

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100719\
 Data File : VD063893.D
 Acq On : 07 Oct 2019 10:40
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:45:54 PM

Quant Time: Oct 08 17:29:34 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	205893	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	323712	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	318726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	168580	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	94690	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	7.92	113	99103	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.34	98	402396	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.63	95	138782	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	70398	48.213	ug/l	84
3) Chloromethane	2.21	50	216934	55.482	ug/l	96
4) Vinyl Chloride	2.35	62	233987	49.582	ug/l	95
5) Bromomethane	2.77	94	139957	46.130	ug/l	98
6) Chloroethane	2.92	64	149647	47.949	ug/l	94
7) Trichlorofluoromethane	3.27	101	302200	48.433	ug/l	97
8) Diethyl Ether	3.70	74	49409	49.336	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	92443	53.524	ug/l	94
10) Methyl Iodide	4.29	142	127864	53.727	ug/l	99
11) Tert butyl alcohol	5.24	59	36545	262.837	ug/l	98
12) 1,1-Dichloroethene	4.06	96	91273	52.895	ug/l	91
13) Acrolein	3.93	56	44871	250.631	ug/l	94
14) Allyl chloride	4.70	41	145209	50.616	ug/l	98
15) Acrylonitrile	5.43	53	112989	255.898	ug/l	95
16) Acetone	4.17	43	148970	285.445	ug/l	100
17) Carbon Disulfide	4.40	76	317695	50.648	ug/l #	94
18) Methyl Acetate	4.72	43	50234	49.213	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	232318	51.992	ug/l	96
20) Methylene Chloride	4.96	84	124310	53.918	ug/l	99
21) trans-1,2-Dichloroethene	5.46	96	113405	52.793	ug/l	93
22) Diisopropyl ether	6.37	45	293557	50.103	ug/l	93
23) Vinyl Acetate	6.31	43	892132	255.955	ug/l	99
24) 1,1-Dichloroethane	6.27	63	183934	50.966	ug/l	96
25) 2-Butanone	7.22	43	167938	271.528	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	170584	52.252	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	127974	52.634	ug/l	99
28) Bromochloromethane	7.55	49	66630	48.615	ug/l	98
29) Tetrahydrofuran	7.57	42	80988	224.342	ug/l	95
30) Chloroform	7.71	83	201407	51.382	ug/l	91
31) Cyclohexane	7.98	56	160203	54.011	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	181594	54.007	ug/l	99
36) 1,1-Dichloropropene	8.11	75	157150	53.095	ug/l	97
37) Ethyl Acetate	7.30	43	59498	50.143	ug/l #	90
38) Carbon Tetrachloride	8.10	117	158791	53.090	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186204	51.166	ug/l	93
40) Benzene	8.36	78	454962	53.639	ug/l	99
41) Methacrylonitrile	7.53	41	33254	48.460	ug/l	90
42) 1,2-Dichloroethane	8.43	62	124121	50.589	ug/l	99
43) Isopropyl Acetate	8.46	43	118316	47.666	ug/l	99
44) Trichloroethene	9.11	130	130191	53.230	ug/l	95
45) 1,2-Dichloropropane	9.39	63	106790	51.439	ug/l	98
46) Dibromomethane	9.47	93	60484	51.156	ug/l	96
47) Bromodichloromethane	9.67	83	158920	52.206	ug/l	93
48) Methyl methacrylate	9.46	41	56309	47.347	ug/l	99
49) 1,4-Dioxane	9.47	88	15623	968.034	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	306083	237.769	ug/l	99
52) Toluene	10.40	92	303630	52.147	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	151658	51.055	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	182681	53.426	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	86555	51.848	ug/l	91
56) Ethyl methacrylate	10.66	69	106291	50.278	ug/l	97
57) 1,3-Dichloropropane	10.95	76	146437	51.268	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	218696	240.667	ug/l	100
59) 2-Hexanone	10.98	43	245591	263.735	ug/l	100
60) Dibromochloromethane	11.14	129	113021	52.002	ug/l	100
61) 1,2-Dibromoethane	11.24	107	83381	51.520	ug/l	99
64) Tetrachloroethene	10.87	164	115723	53.185	ug/l	93
65) Chlorobenzene	11.67	112	353783	55.271	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	126602	53.677	ug/l	97
67) Ethyl Benzene	11.74	91	609101	52.773	ug/l	96
68) m/p-Xylenes	11.86	106	478407	107.387	ug/l	100
69) o-Xylene	12.18	106	227165	53.252	ug/l	96
70) Styrene	12.20	104	385959	53.446	ug/l	99
71) Bromoform	12.36	173	70245	55.495	ug/l #	99
73) Isopropylbenzene	12.48	105	608190	53.666	ug/l	98
74) N-amyl acetate	12.29	43	120742	49.485	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	101241	51.338	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	59808m	52.970	ug/l	
77) Bromobenzene	12.76	156	151658	53.713	ug/l	96
78) n-propylbenzene	12.82	91	718850	54.040	ug/l	100
79) 2-Chlorotoluene	12.91	91	380182	51.832	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	497220	52.590	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	31745	49.753	ug/l	98
82) 4-Chlorotoluene	13.00	91	398475	51.212	ug/l	97
83) tert-Butylbenzene	13.23	119	440326	52.330	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	517645	53.108	ug/l	99
85) sec-Butylbenzene	13.40	105	621635	54.705	ug/l	98
86) p-Isopropyltoluene	13.51	119	590880	54.951	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	298810	53.561	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	298382	54.214	ug/l	98
89) n-Butylbenzene	13.84	91	536167	53.568	ug/l	99
90) Hexachloroethane	14.11	117	106823	55.235	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	261344	54.358	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16736	54.860	ug/l	94

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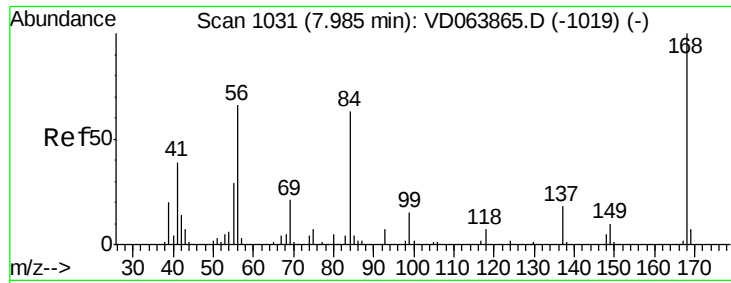
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	199088	53.666	ug/l	99
94) Hexachlorobutadiene	15.27	225	108115	52.812	ug/l	94
95) Naphthalene	15.40	128	336954	54.041	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	173845	54.314	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 205893

Ion Ratio Lower Upper

168 100

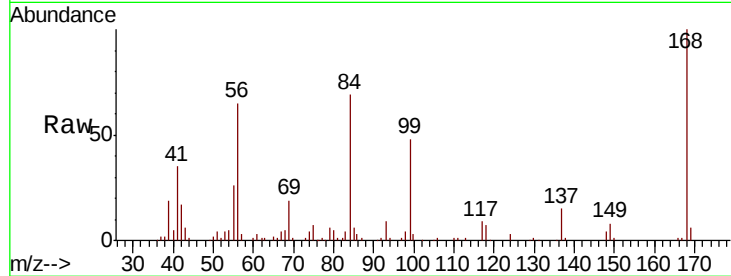
99 48.2 43.0 64.4

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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

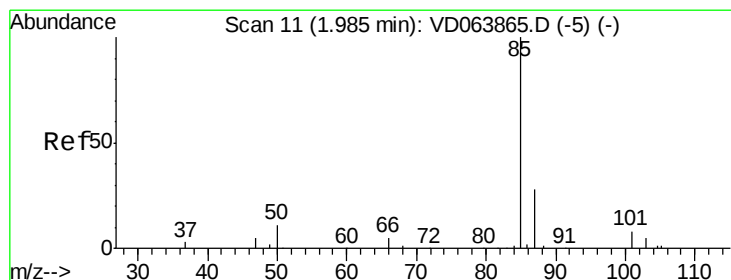
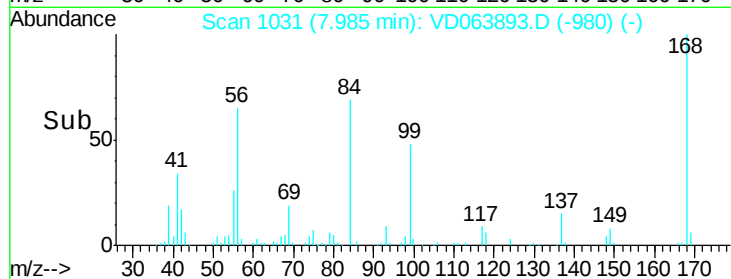
40000

20000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.213 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063893.D

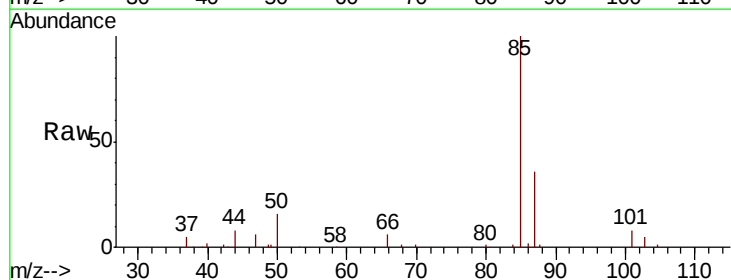
Acq: 07 Oct 2019 10:40

Tgt Ion: 85 Resp: 70398

Ion Ratio Lower Upper

85 100

87 36.5 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

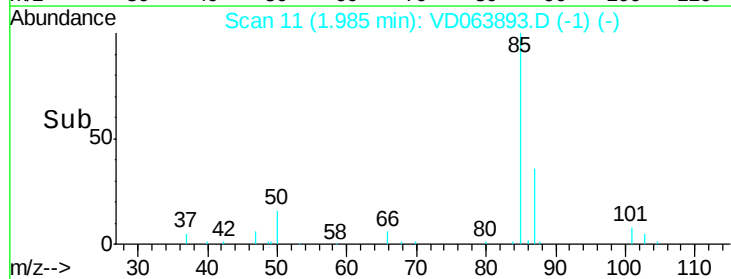
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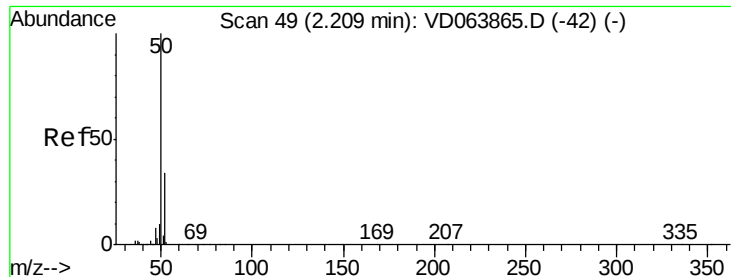
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 55.482 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 216934

Ion Ratio Lower Upper

50 100

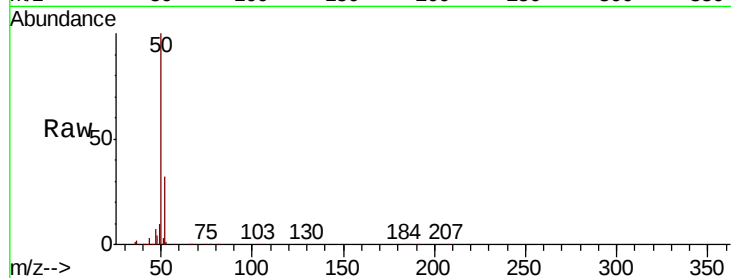
52 32.4 27.5 41.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

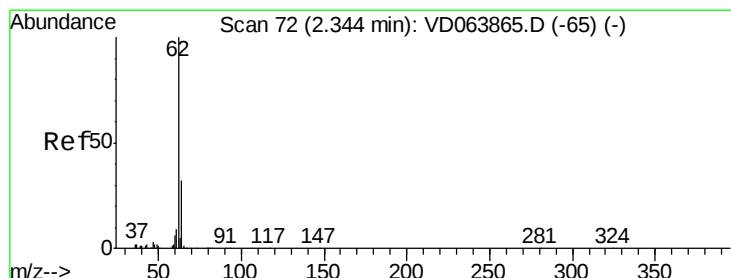
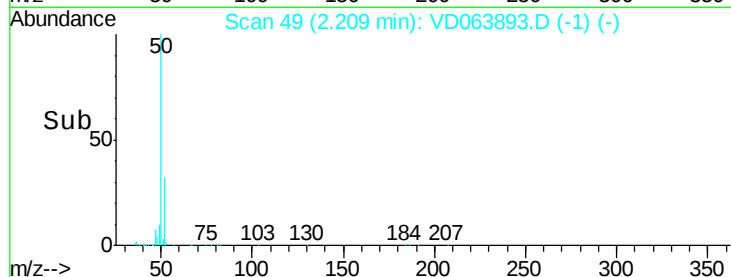
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 49.582 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063893.D

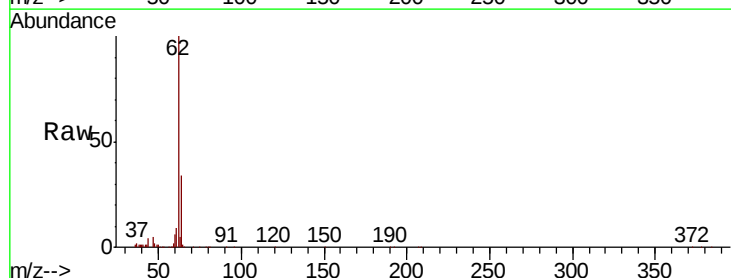
Acq: 07 Oct 2019 10:40

Tgt Ion: 62 Resp: 233987

Ion Ratio Lower Upper

62 100

64 34.4 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

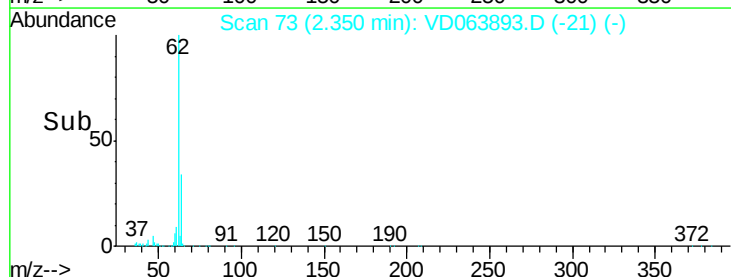
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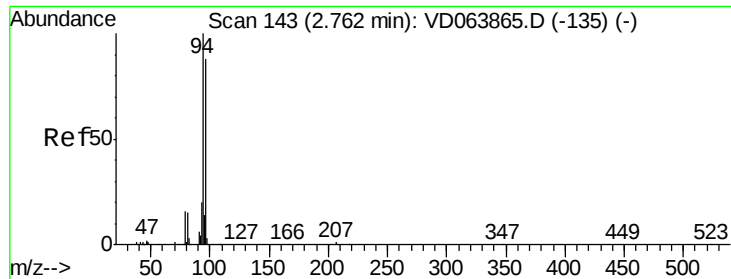
100000

50000

0

Time-->





#5

Bromomethane

Concen: 46.130 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 139957

Ion Ratio Lower Upper

94 100

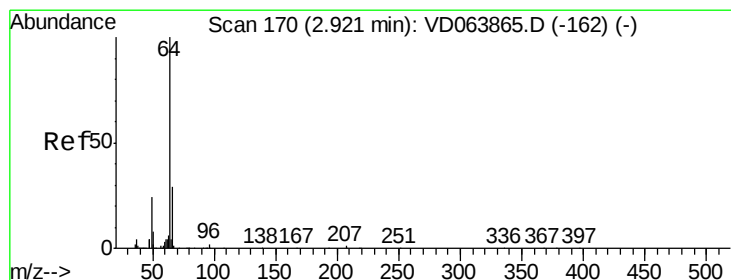
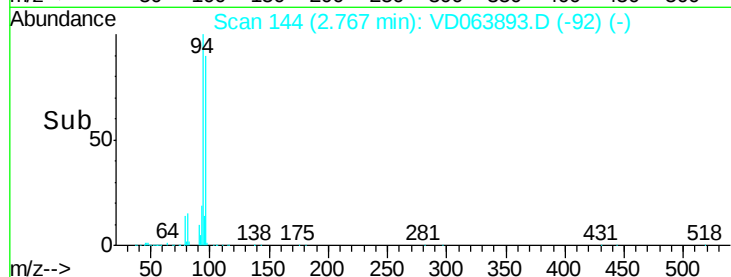
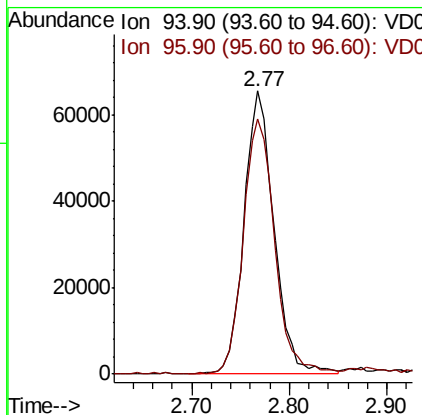
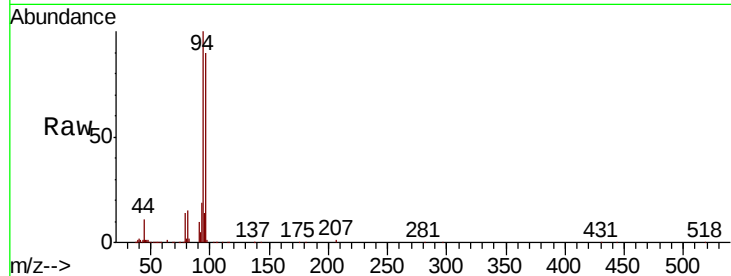
96 90.1 70.8 106.2

Manual Integrations

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#6

Chloroethane

Concen: 47.949 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063893.D

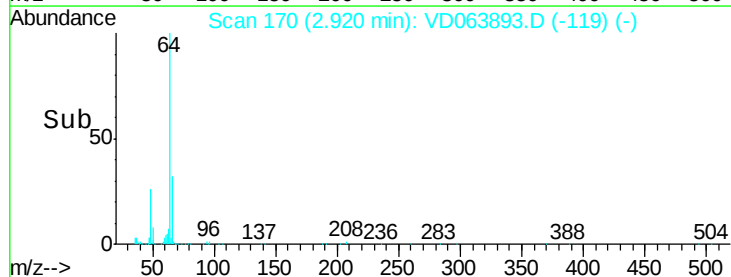
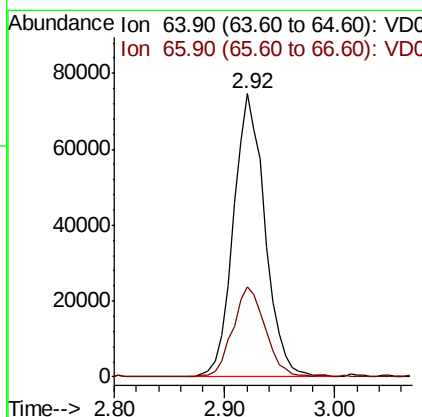
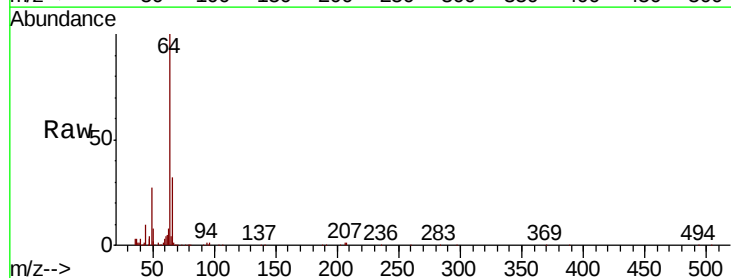
Acq: 07 Oct 2019 10:40

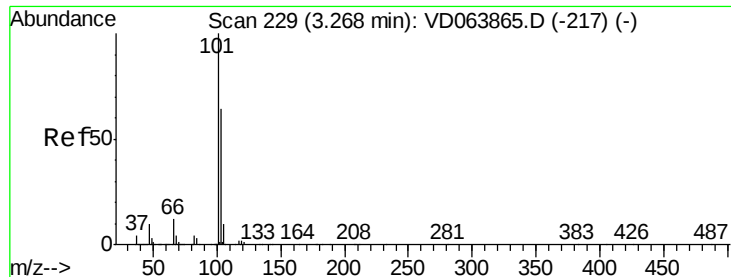
Tgt Ion: 64 Resp: 149647

Ion Ratio Lower Upper

64 100

66 32.0 23.0 34.4





#7

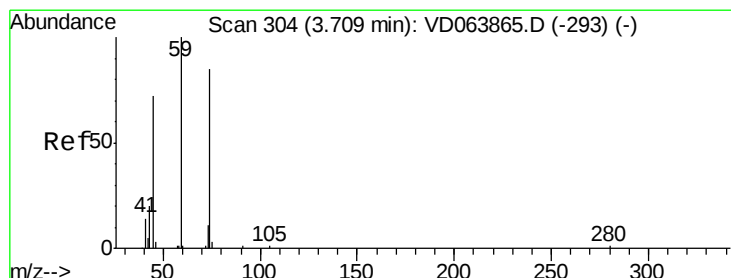
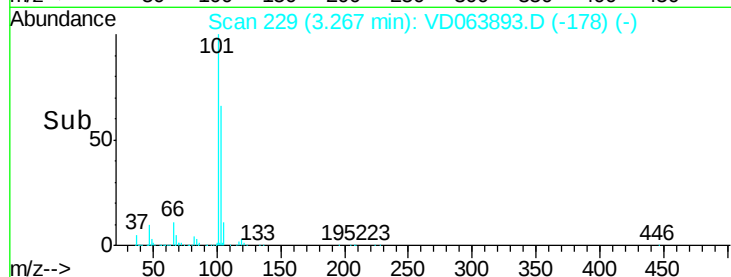
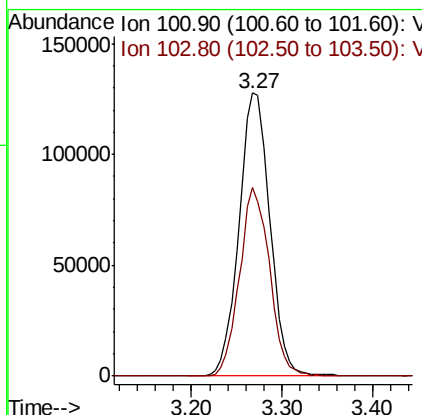
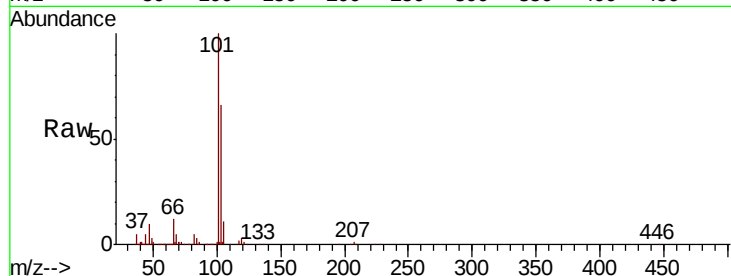
Trichlorofluoromethane
Concen: 48.433 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063893.D
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VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	51.1	76.7

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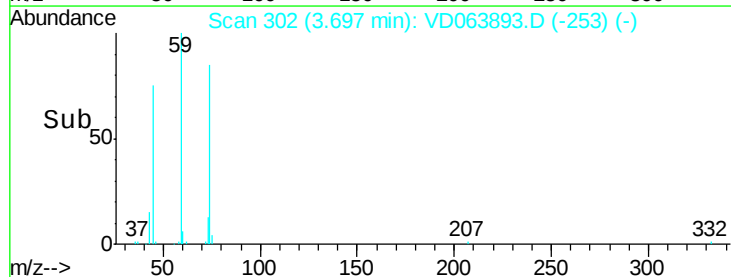
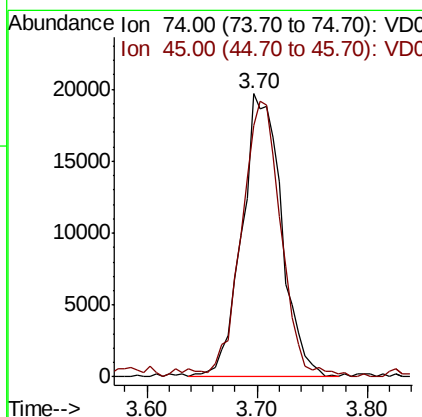
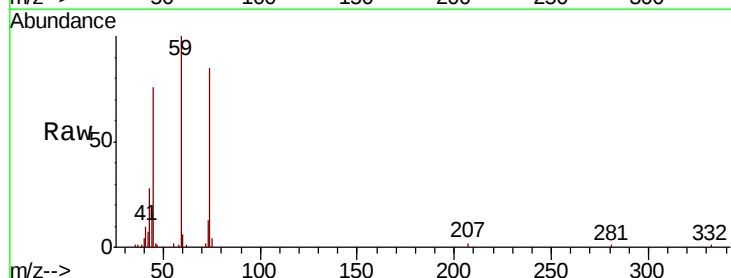
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10/10/2019 1:45:54 PM

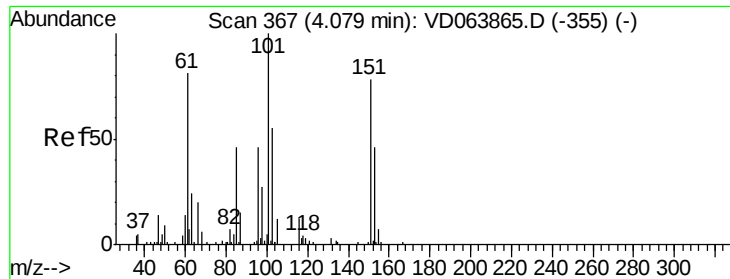


#8

Diethyl Ether
Concen: 49.336 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.9	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 53.524 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

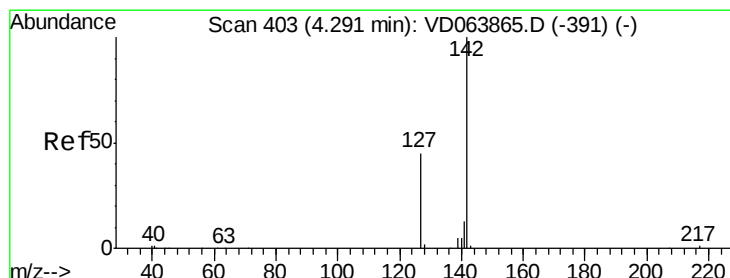
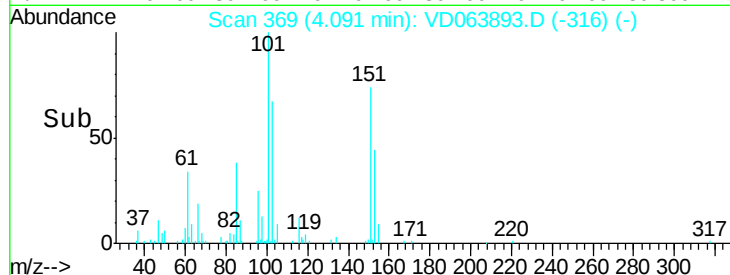
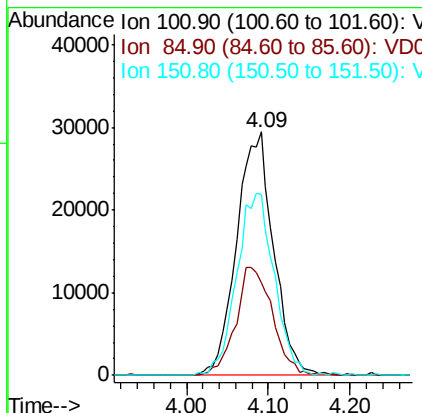
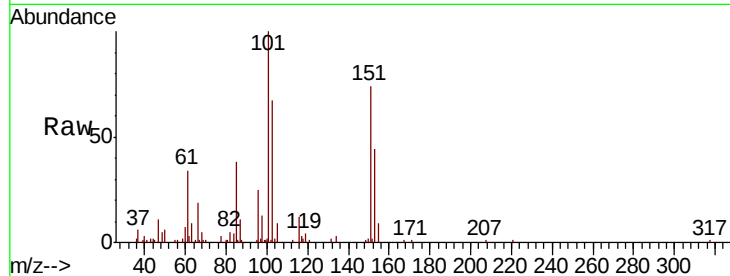
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	92443
Ion Ratio	Lower	Upper	
101	100		
85	44.1	37.5	56.3
151	75.9	65.5	98.3

Manual Integrations
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10/10/2019 1:45:54 PM



#10

Methyl Iodide

Concen: 53.727 ug/l

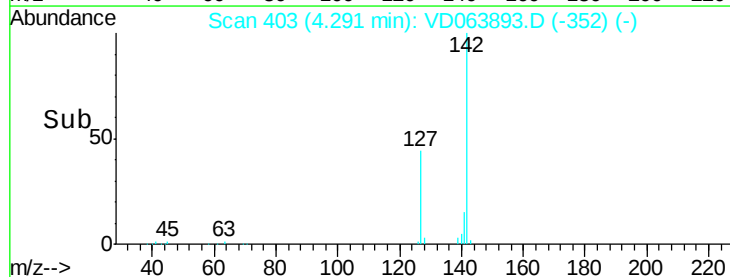
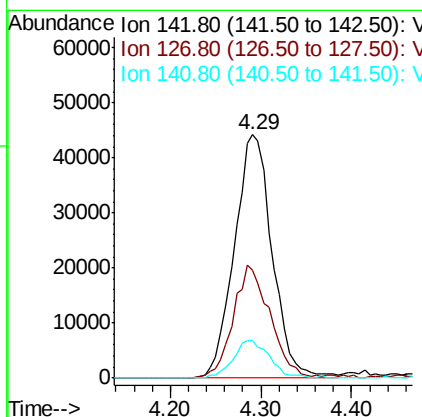
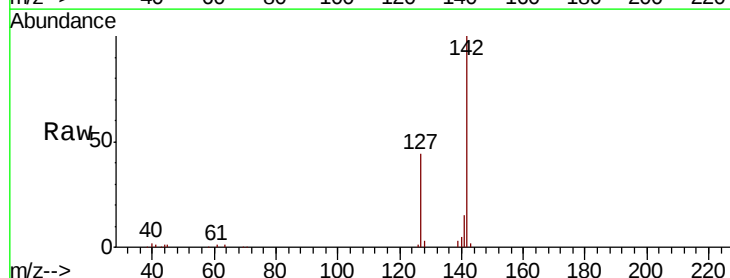
RT: 4.29 min Scan# 403

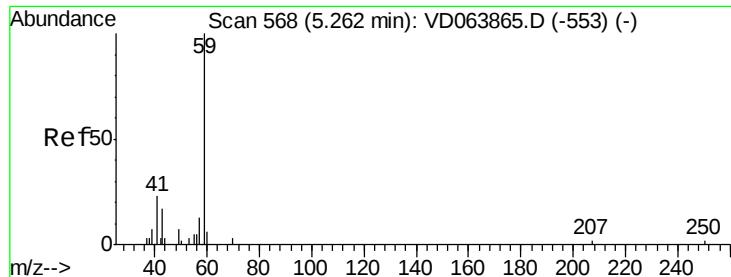
Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion:	142	Resp:	127864
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.3	52.9
141	15.0	12.2	18.2





#11

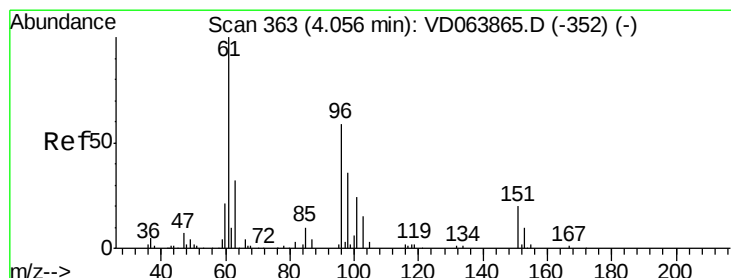
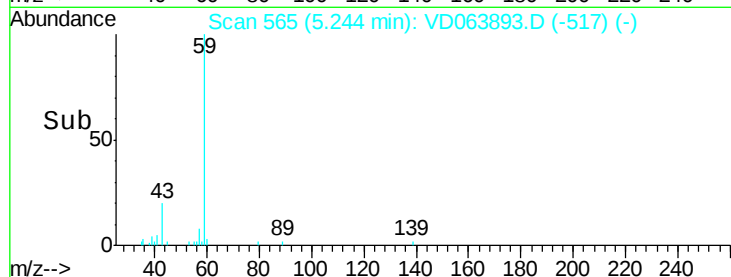
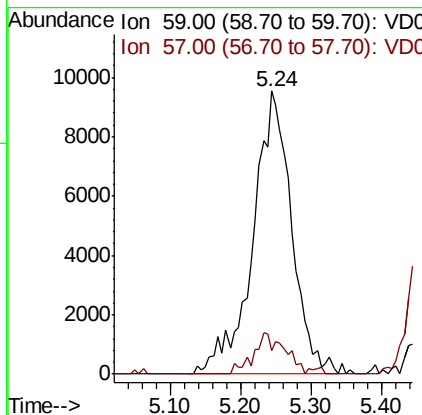
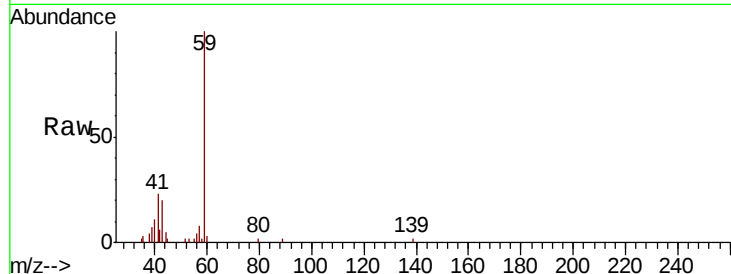
Tert butyl alcohol
 Concen: 262.837 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 36545
 Ion Ratio Lower Upper
 59 100
 57 11.6 8.8 13.2

Manual Integrations
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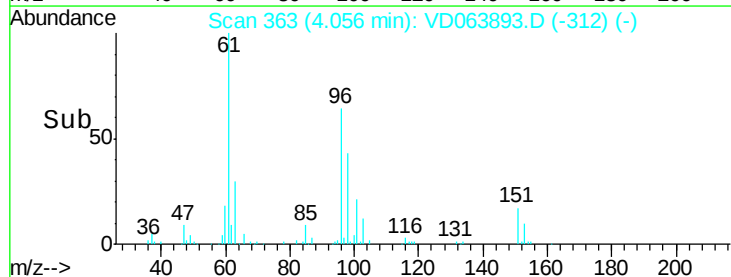
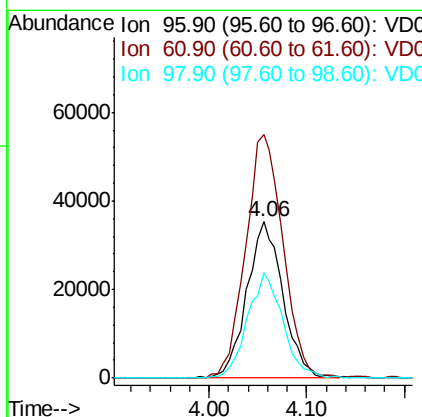
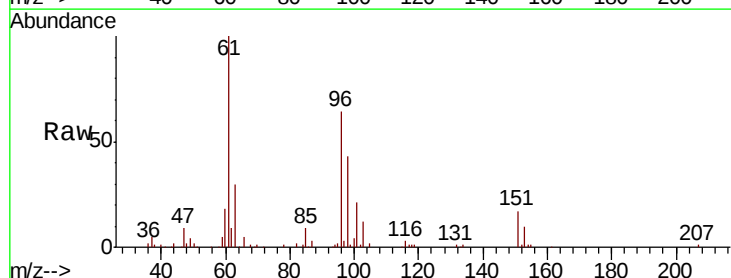
MMDadoda
 10/10/2019 1:45:54 PM

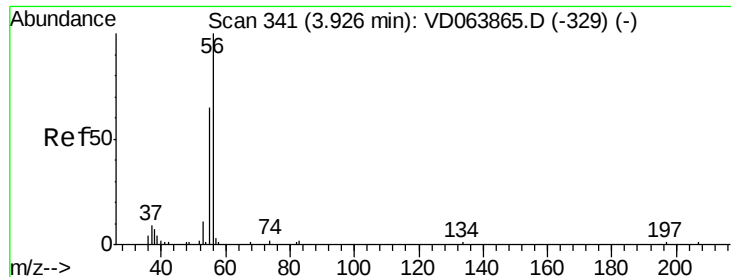


#12

1,1-Dichloroethene
 Concen: 52.895 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion: 96 Resp: 91273
 Ion Ratio Lower Upper
 96 100
 61 156.1 135.6 203.4
 98 67.2 49.2 73.8





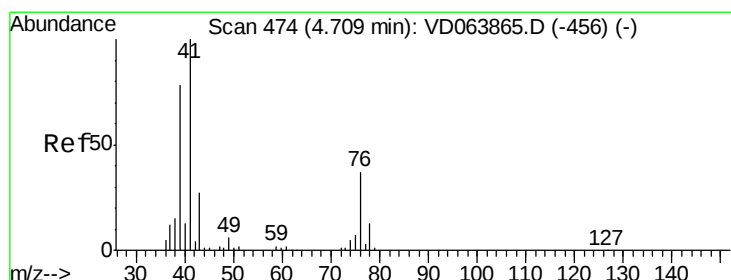
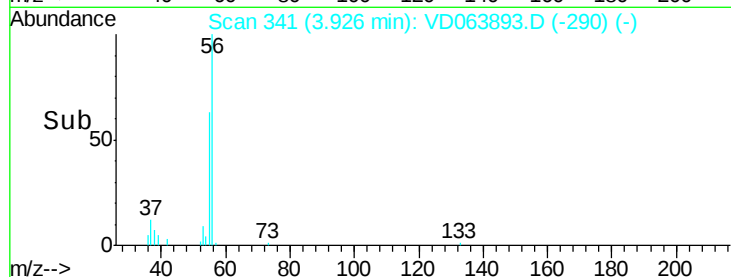
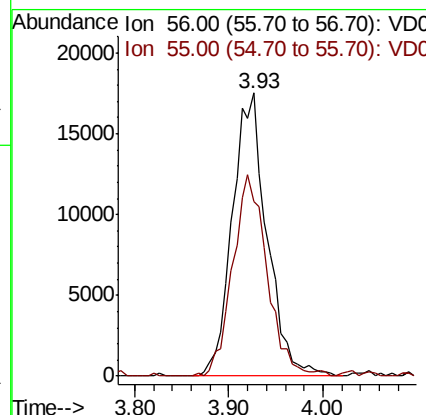
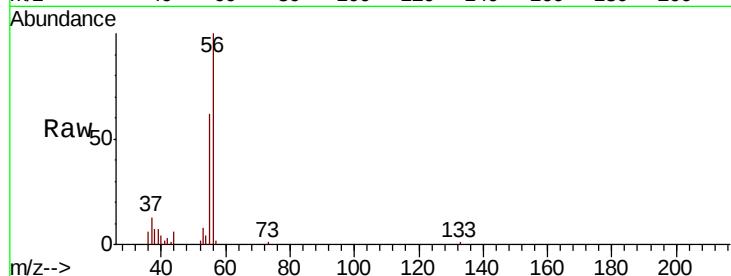
#13
Acrolein
Concen: 250.631 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	44871
Ion Ratio	100	Lower	Upper
56	100		
55	70.7	53.0	79.6

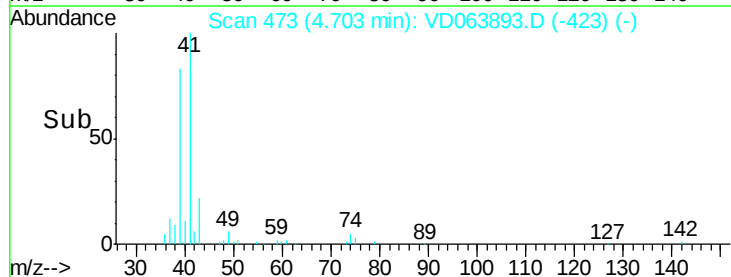
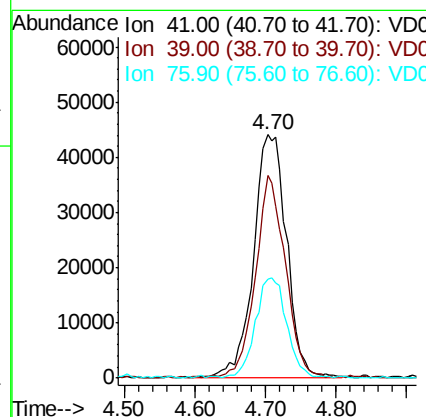
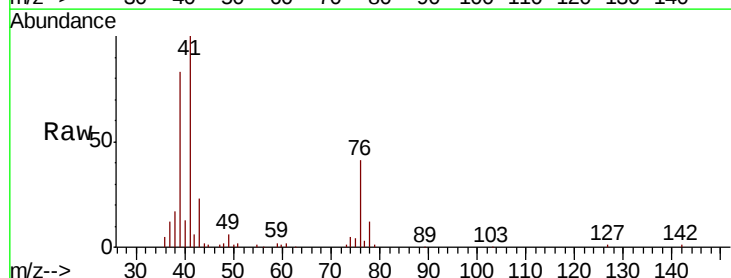
Manual Integrations
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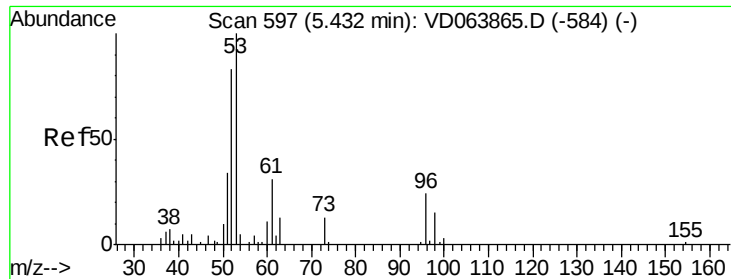
MMDadoda
10/10/2019 1:45:54 PM



#14
Allyl chloride
Concen: 50.616 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	41	Resp	145209
Ion Ratio	100	Lower	Upper
41	100		
39	75.4	61.8	92.6
76	38.9	31.3	46.9





#15

Acrylonitrile

Concen: 255.898 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

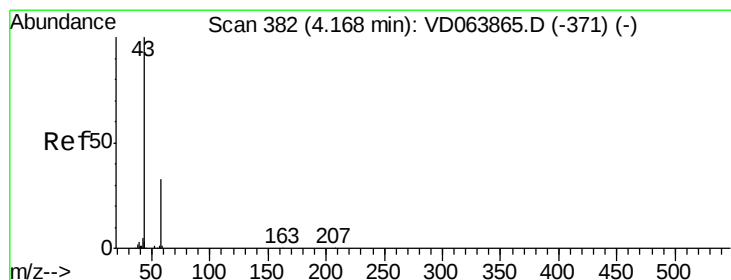
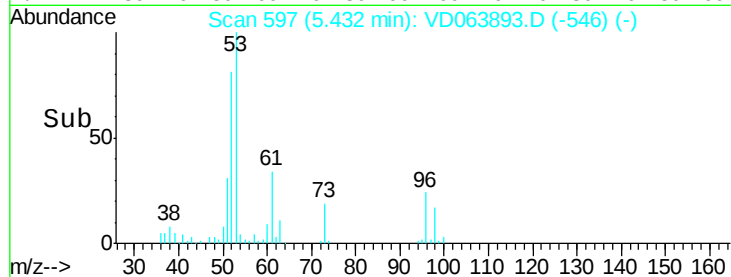
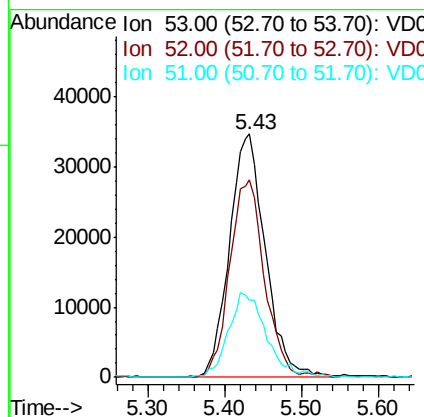
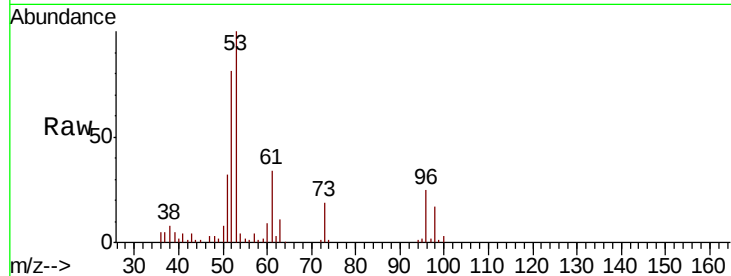
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	112989
Ion	Ratio	Lower	Upper
53	100		
52	78.4	67.3	100.9
51	36.0	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 285.445 ug/l

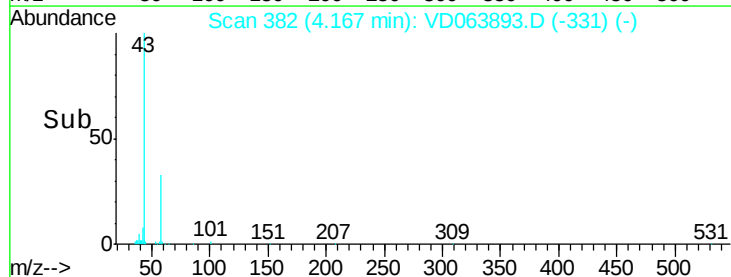
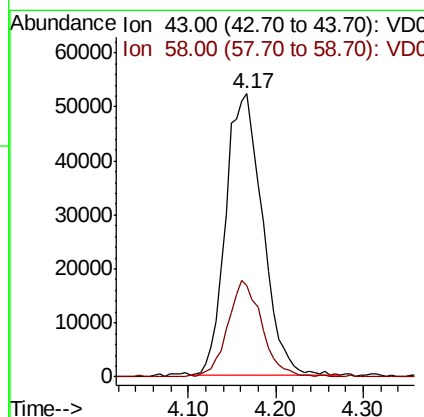
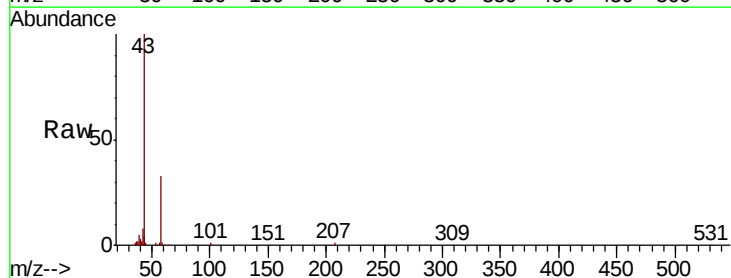
RT: 4.17 min Scan# 382

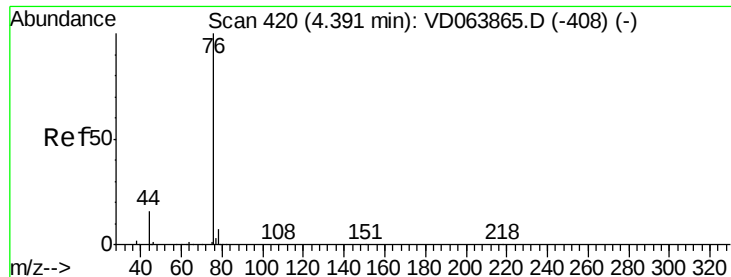
Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion:	43	Resp:	148970
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.2	39.4





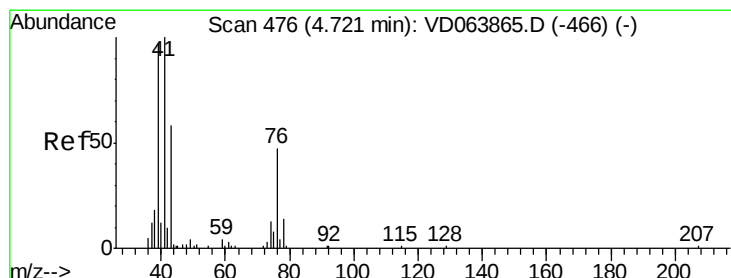
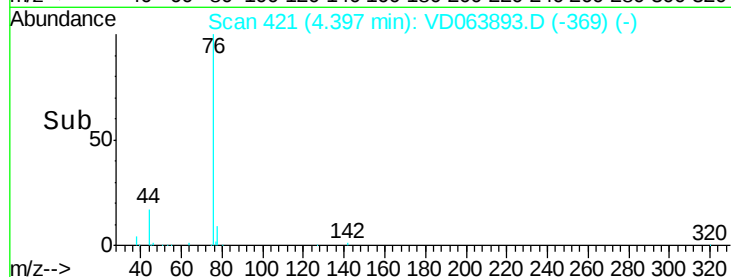
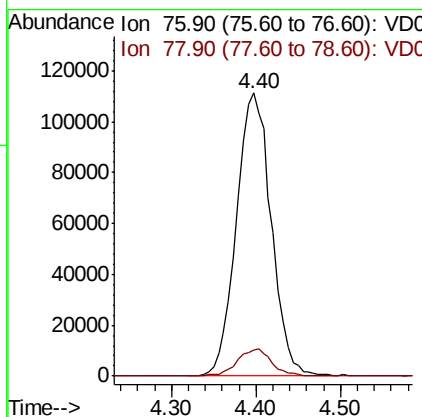
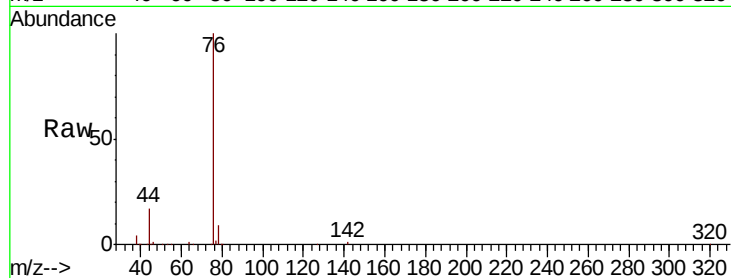
#17
Carbon Disulfide
Concen: 50.648 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

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

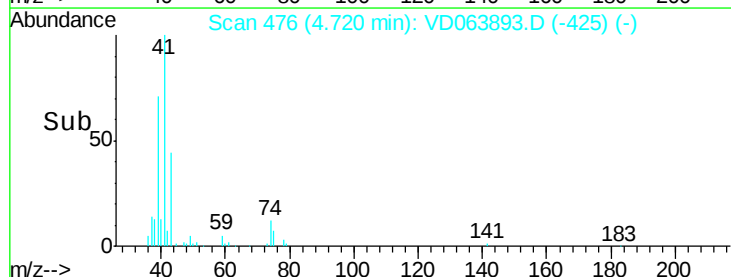
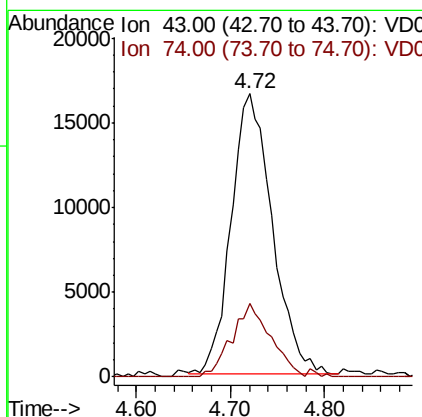
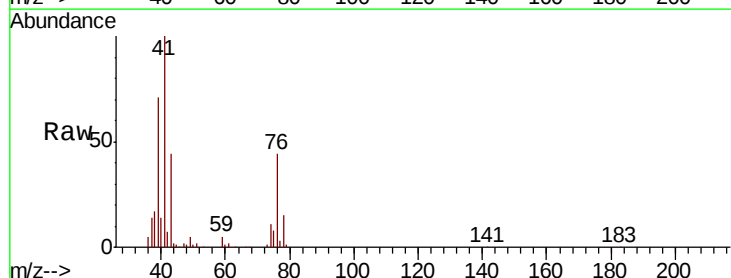
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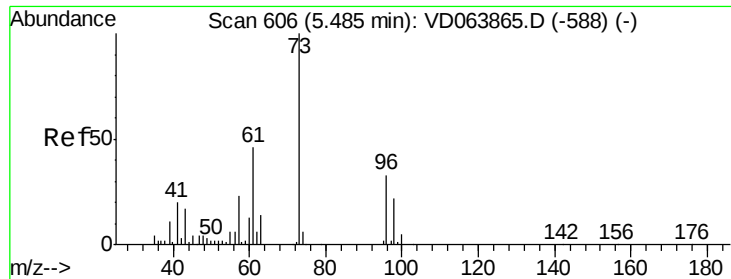
MMDadoda
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#18
Methyl Acetate
Concen: 49.213 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.7	20.8	31.2





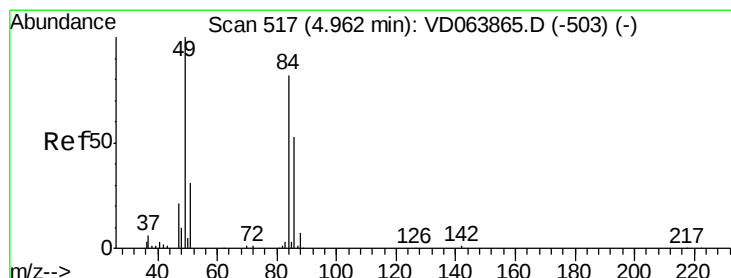
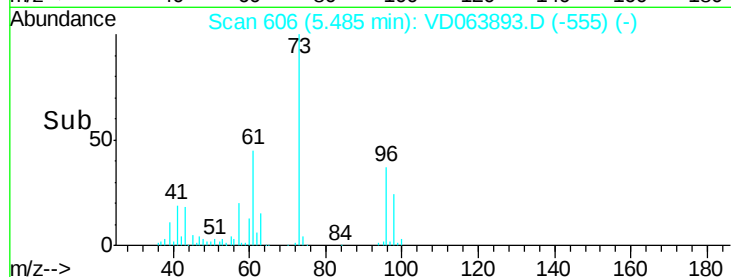
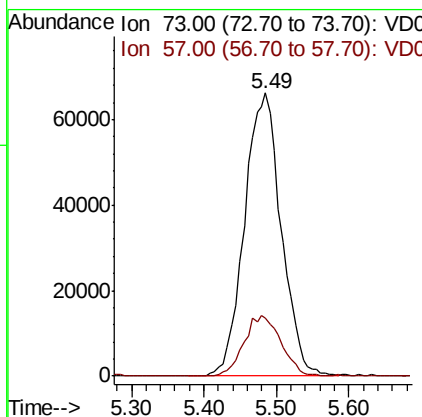
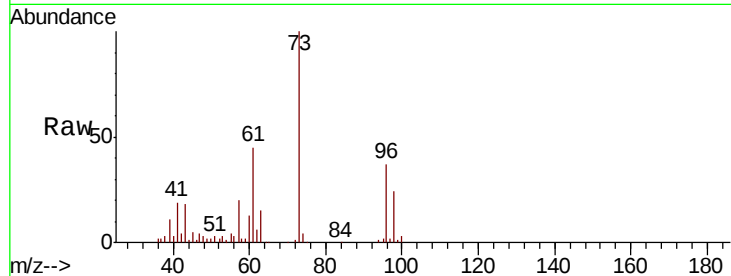
#19
Methvl tert-butvl Ether
Concen: 51.992 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.1	27.1

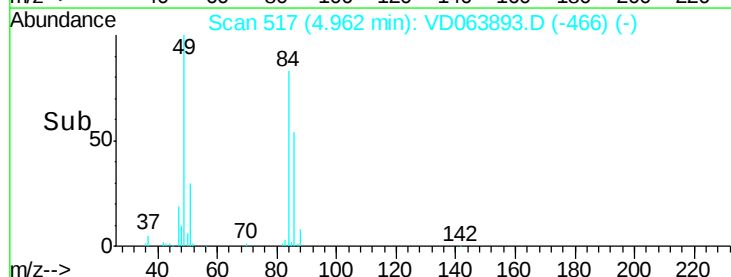
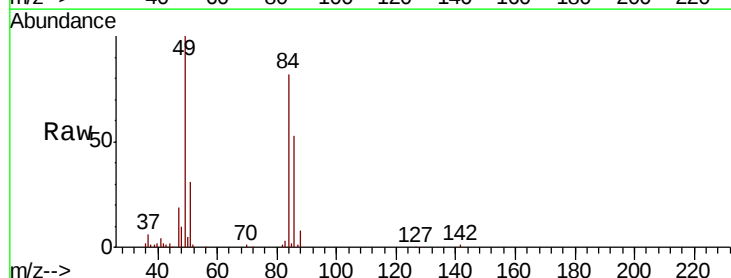
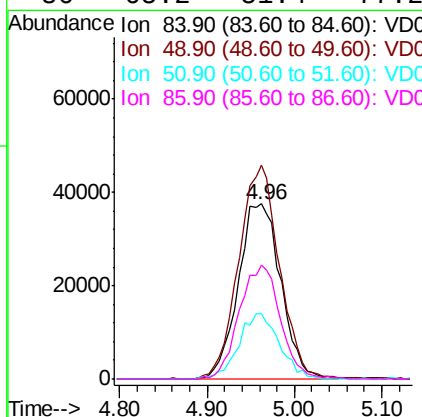
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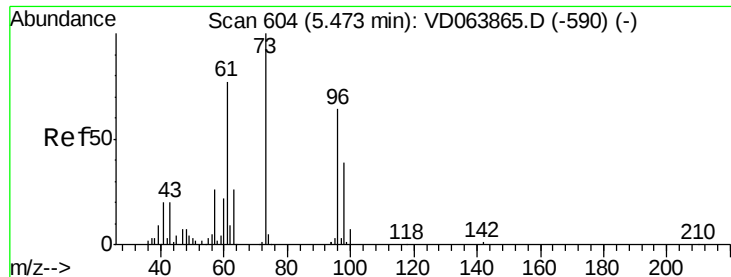
MMDadoda
10/10/2019 1:45:54 PM



#20
Methylene Chloride
Concen: 53.918 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.9	97.3	145.9
51	37.3	30.1	45.1
86	65.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 52.793 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 113405

Ion Ratio Lower Upper

96 100

61 112.0 96.6 145.0

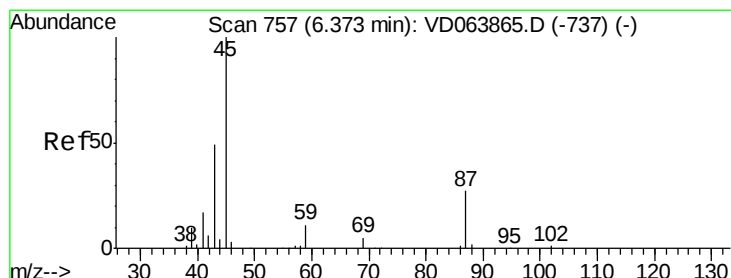
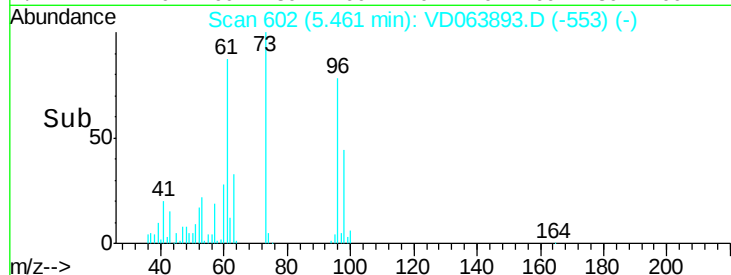
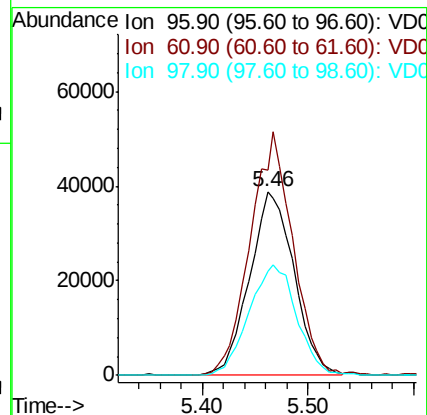
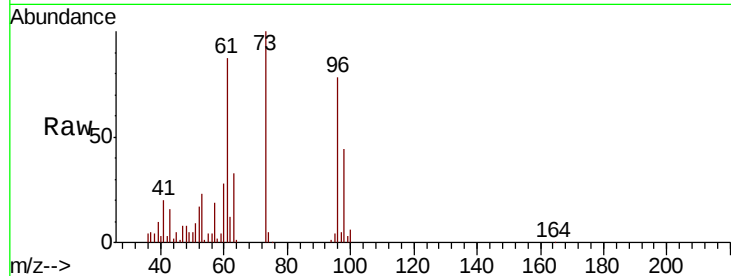
98 56.7 48.7 73.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 50.103 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion: 45 Resp: 293557

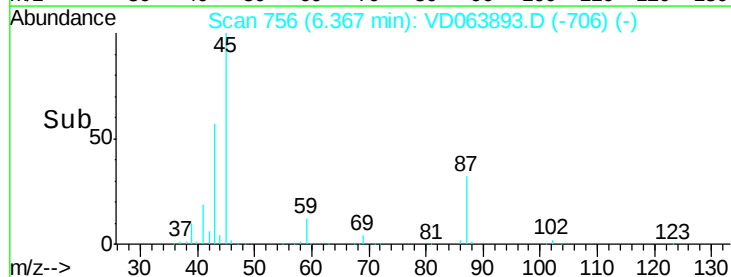
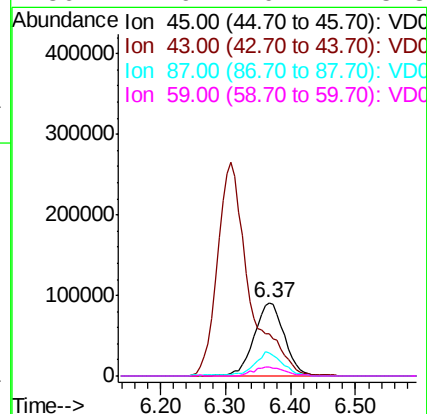
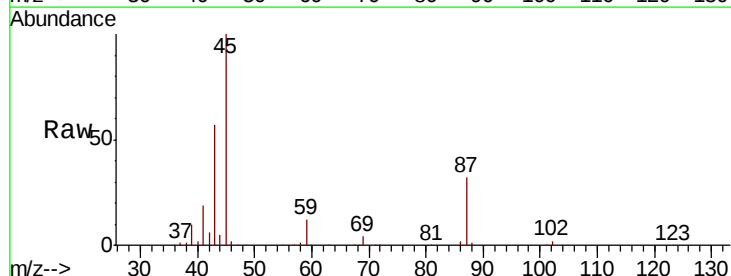
Ion Ratio Lower Upper

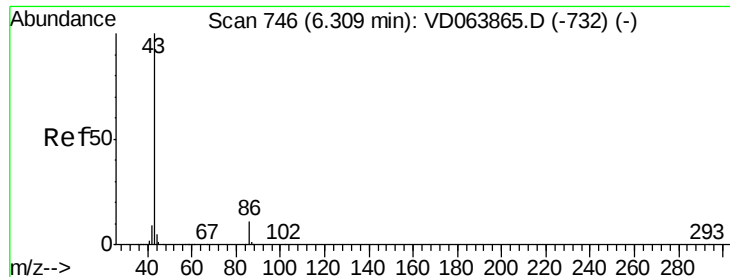
45 100

43 56.6 41.2 61.8

87 31.6 22.2 33.4

59 11.9 9.2 13.8





#23

Vinyl Acetate

Concen: 255.955 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 892132

Ion Ratio Lower Upper

43 100

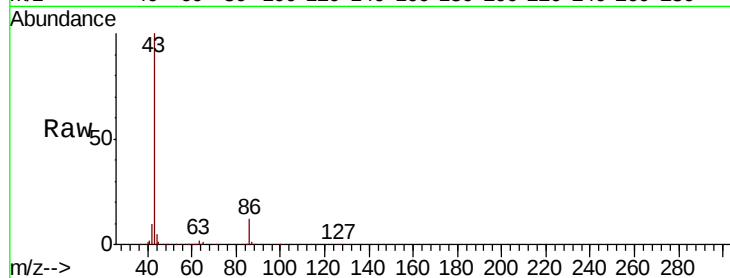
86 11.6 8.8 13.2

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

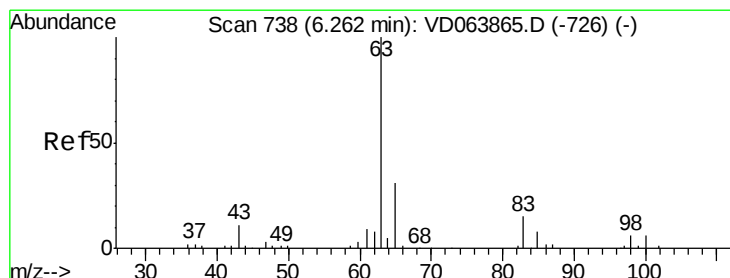
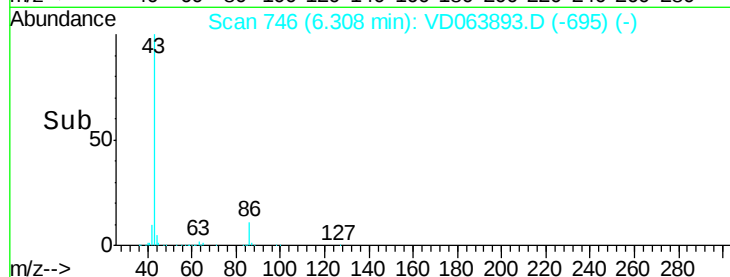
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 50.966 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

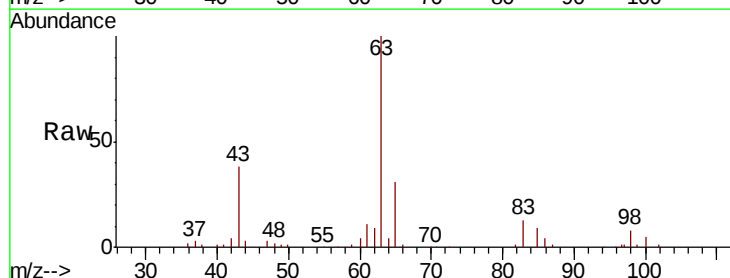
Tgt Ion: 63 Resp: 183934

Ion Ratio Lower Upper

63 100

98 8.3 3.1 9.4

100 5.2 3.0 9.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

80000

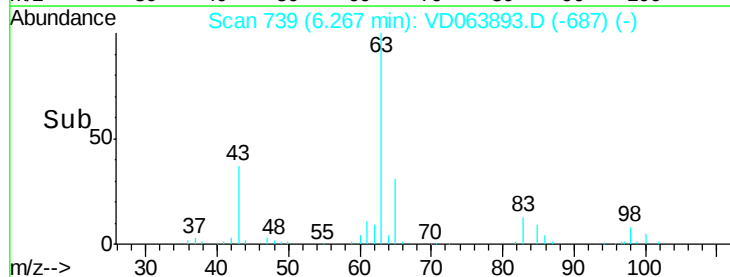
60000

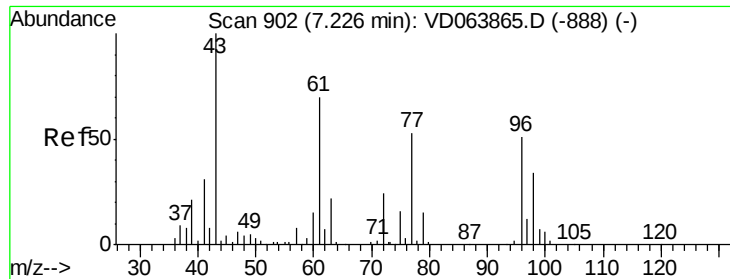
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 271.528 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 167938

Ion Ratio Lower Upper

43 100

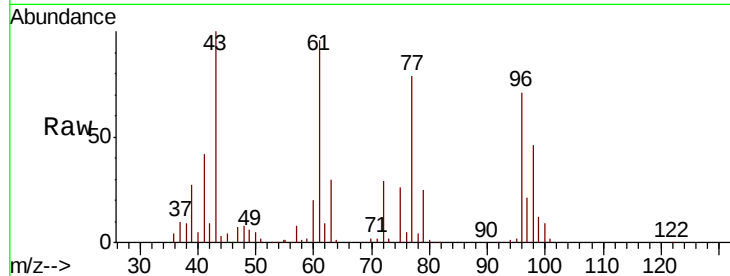
72 29.4 19.2 28.8#

Manual Integrations

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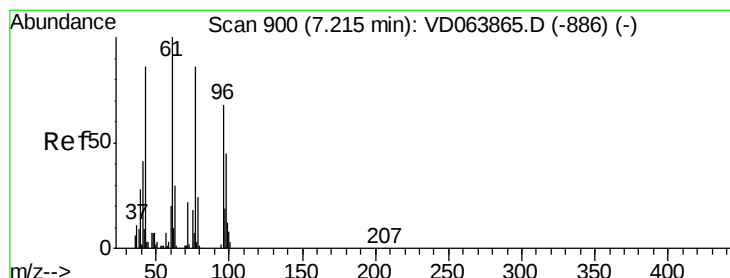
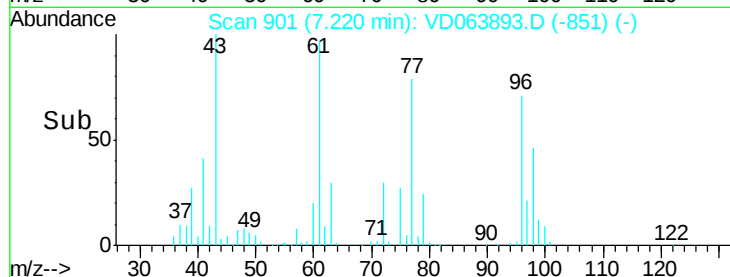
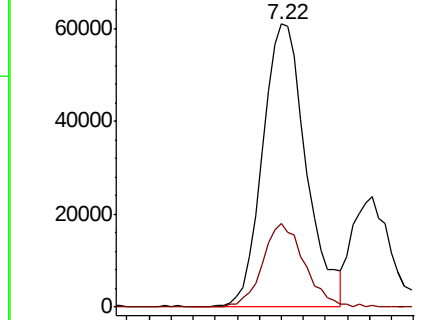
MMDadoda

10/10/2019 1:45:54 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.252 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063893.D

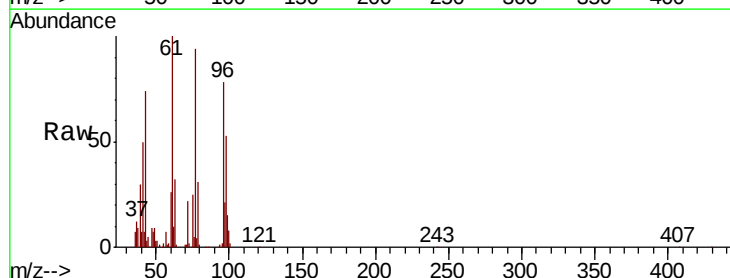
Acq: 07 Oct 2019 10:40

Tgt Ion: 77 Resp: 170584

Ion Ratio Lower Upper

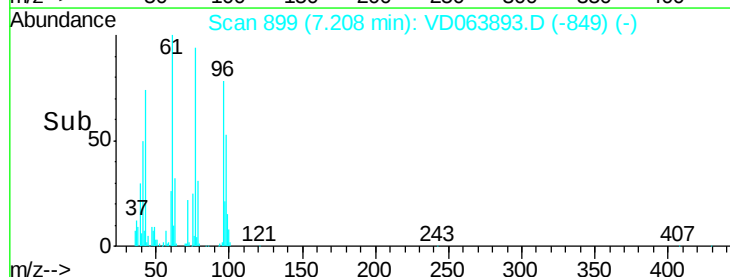
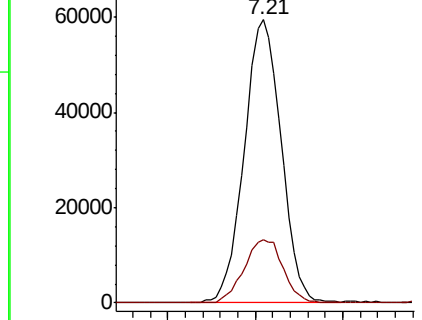
77 100

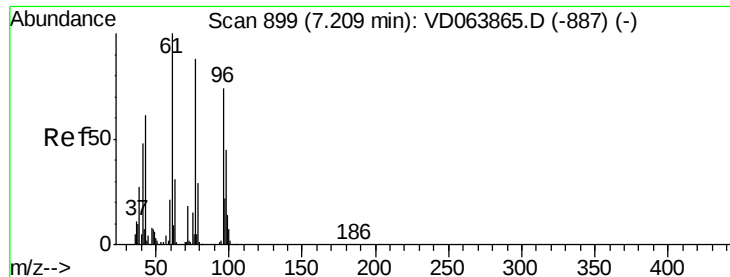
97 23.5 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

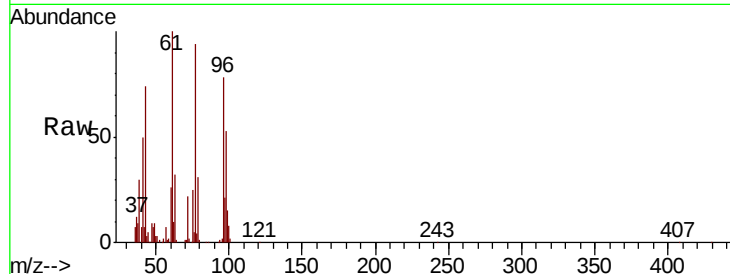
cis-1,2-Dichloroethene
Concen: 52.634 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

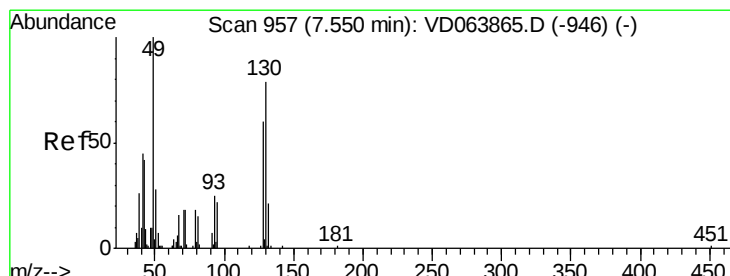
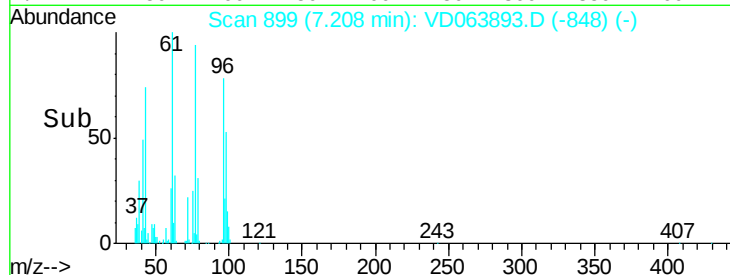
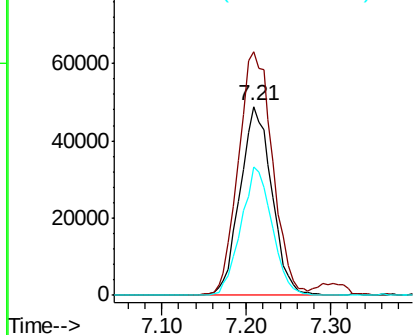
Tot Ion	Ratio	Lower	Upper
96	100		
61	138.4	0.0	280.0
98	66.5	0.0	130.4

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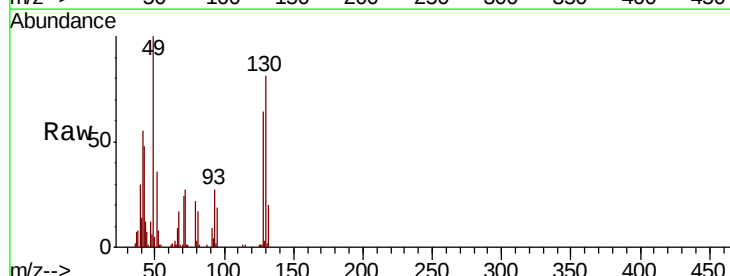
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



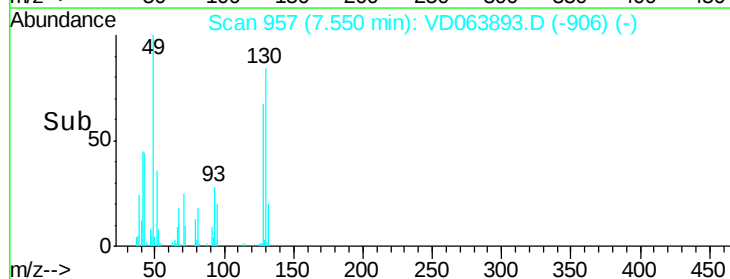
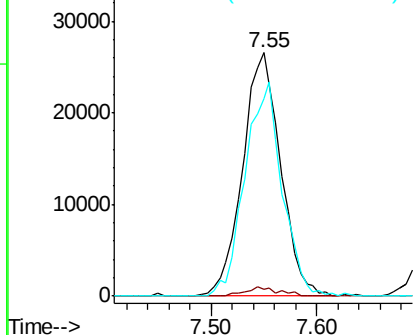
#28

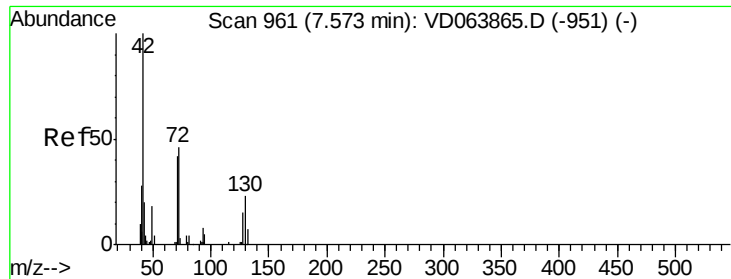
Bromochloromethane
Concen: 48.615 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.2	0.0	5.6
130	85.6	66.8	100.2



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





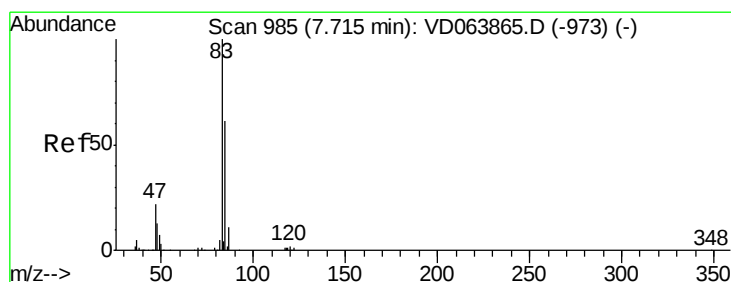
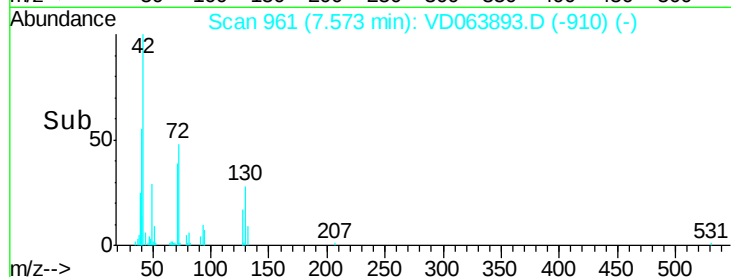
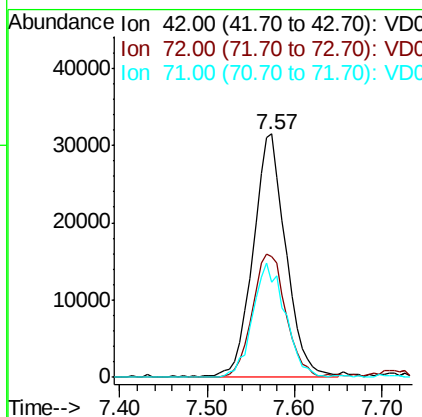
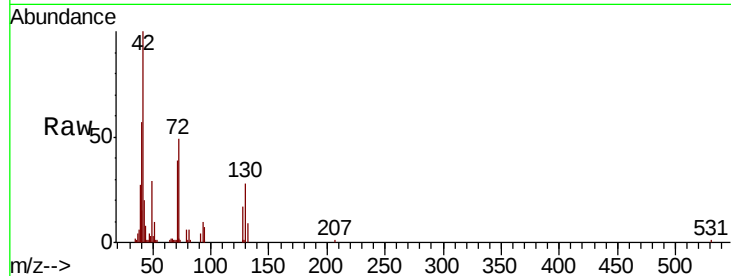
#29
Tetrahydrofuran
Concen: 224.342 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.5	37.6	56.4
71	46.2	35.0	52.6

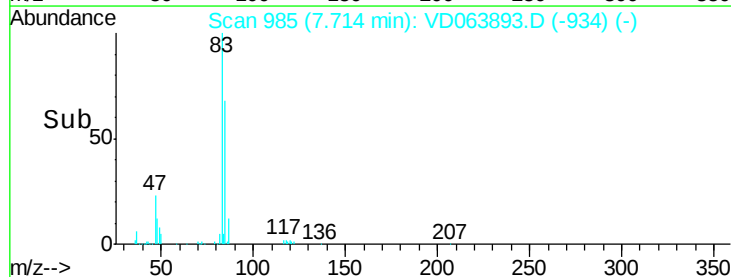
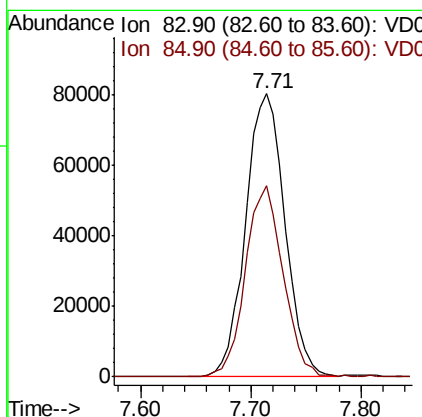
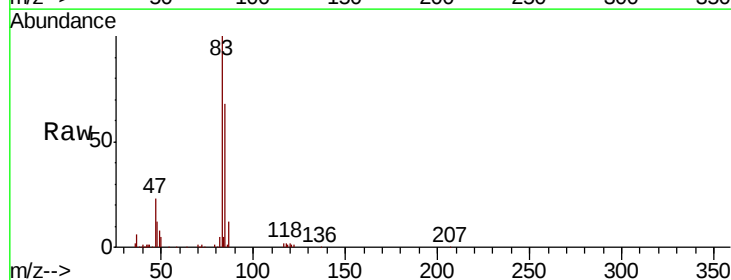
Manual Integrations
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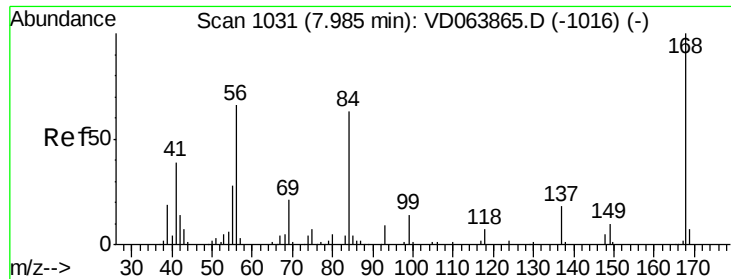
MMDadoda
10/10/2019 1:45:54 PM



#30
Chloroform
Concen: 51.382 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.6	48.9	73.3





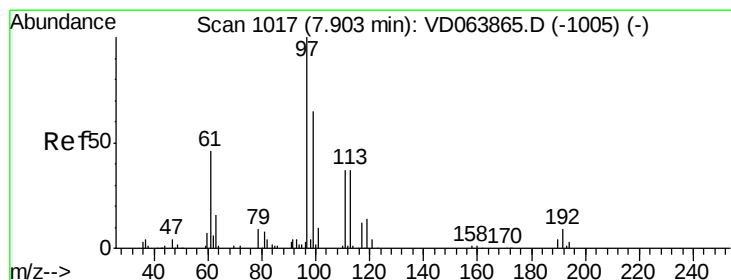
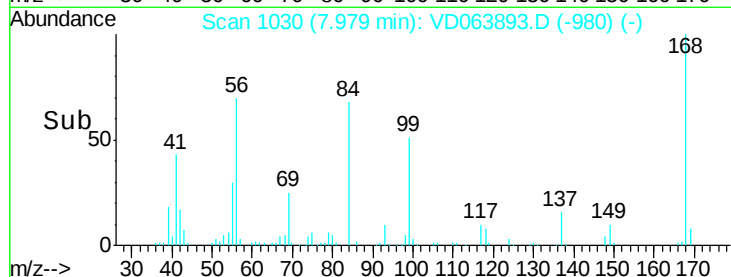
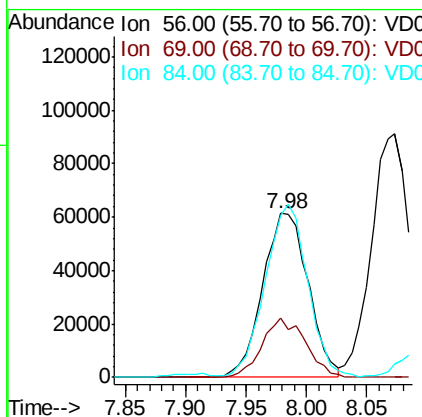
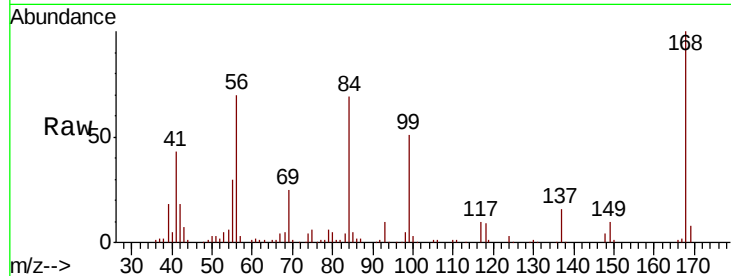
#31
Cyclohexane
Concen: 54.011 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.2	25.0	37.4
84	96.8	76.3	114.5

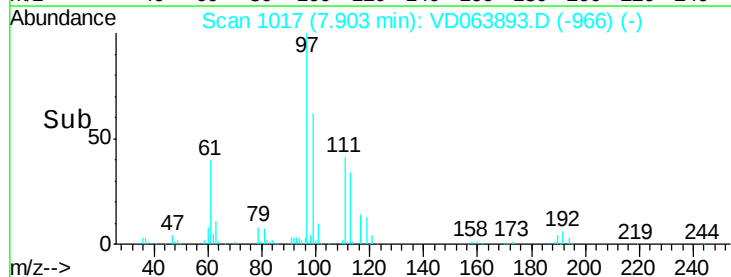
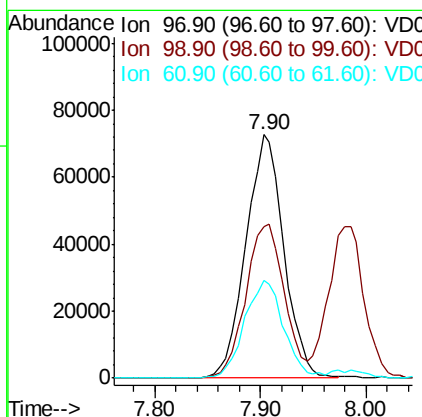
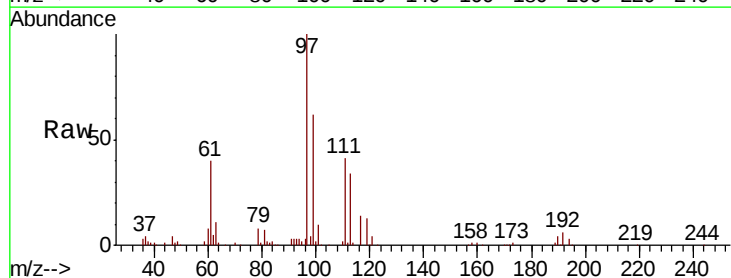
Manual Integrations
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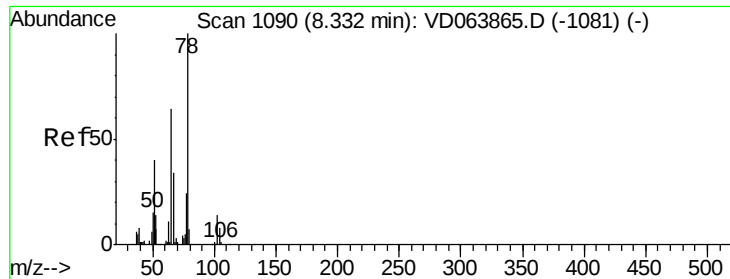
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#32
1,1,1-Trichloroethane
Concen: 54.007 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.4	78.6
61	41.4	33.8	50.8





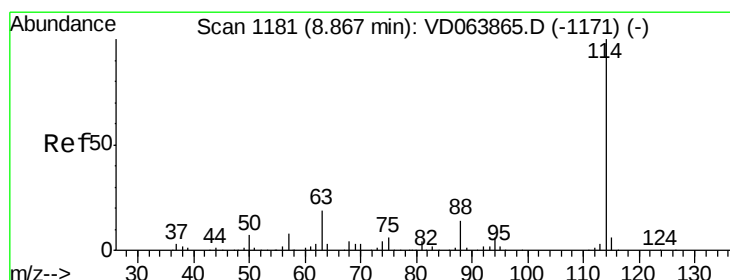
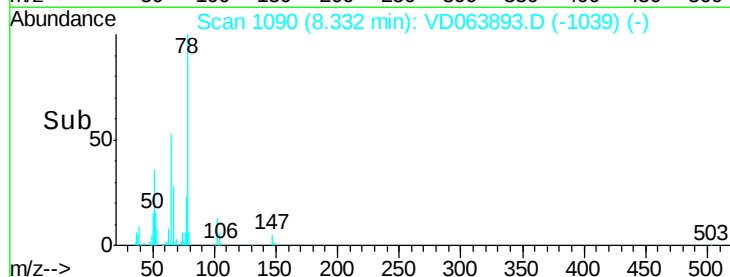
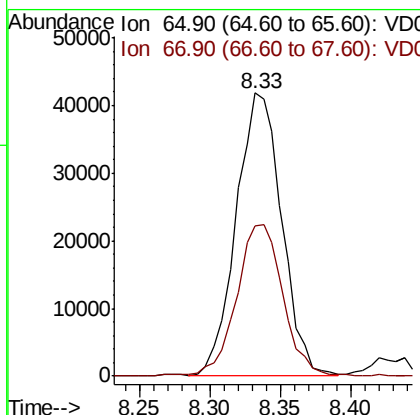
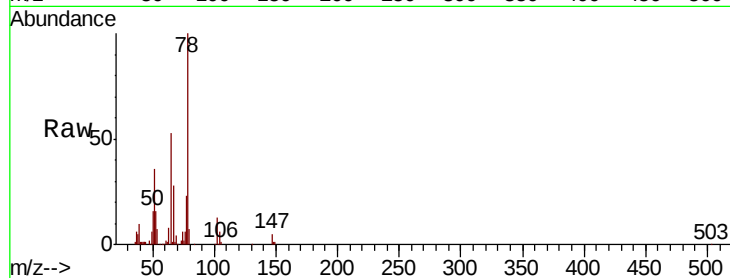
#33
 1,2-Dichloroethane-d4
 Concen: 47.238 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	106.4

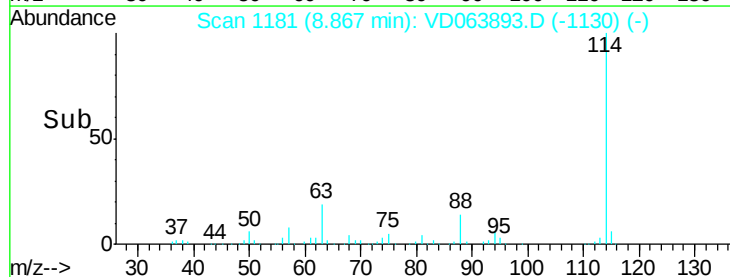
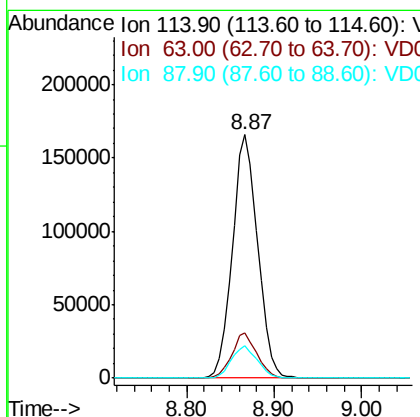
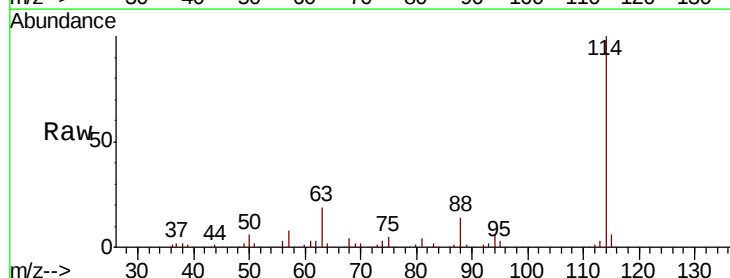
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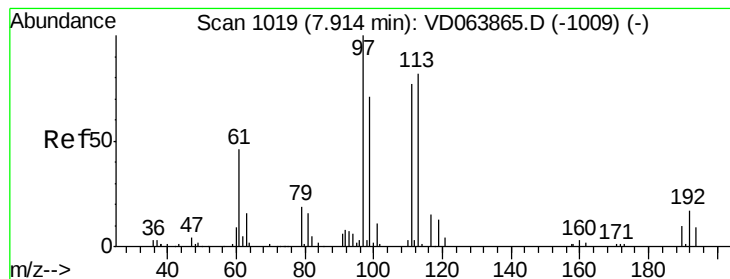
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	38.4
88	13.5	0.0	27.4





#35

Dibromofluoromethane

Concen: 50.095 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

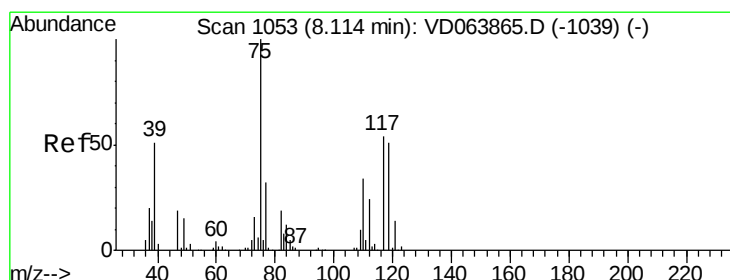
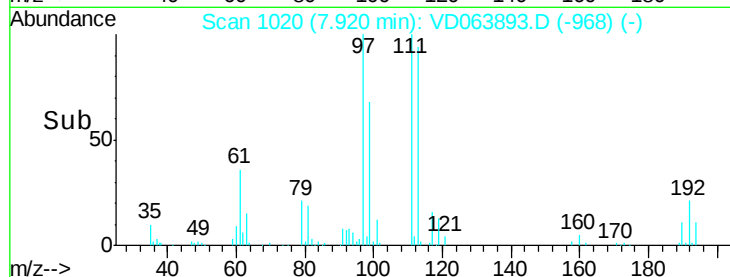
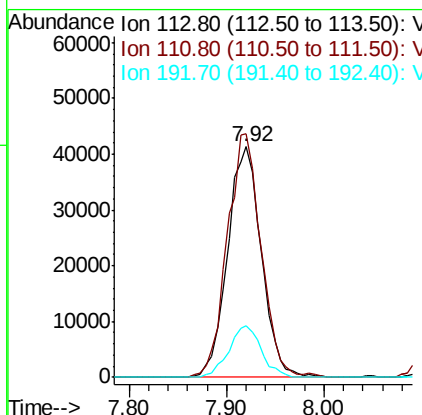
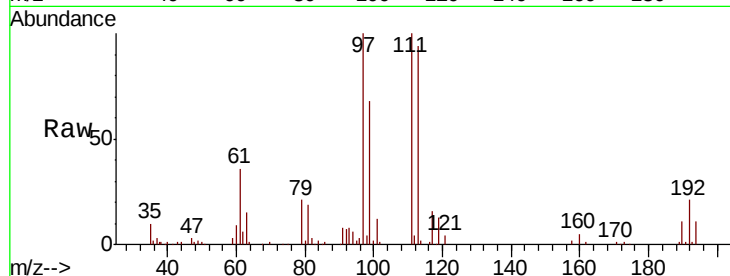
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	99103
Ion Ratio	Lower	Upper	
113	100		
111	106.0	82.6	123.8
192	21.5	17.1	25.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 53.095 ug/l

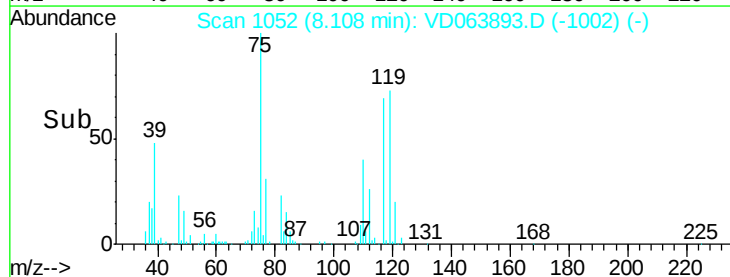
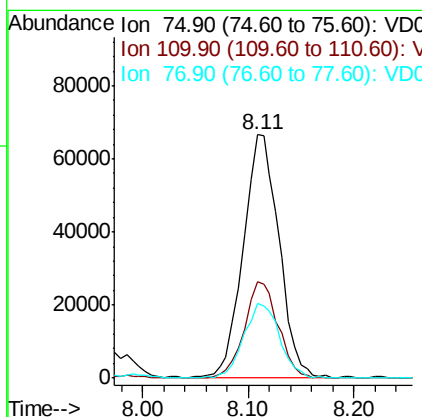
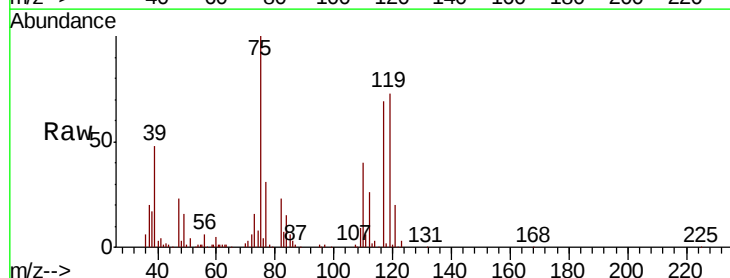
RT: 8.11 min Scan# 1052

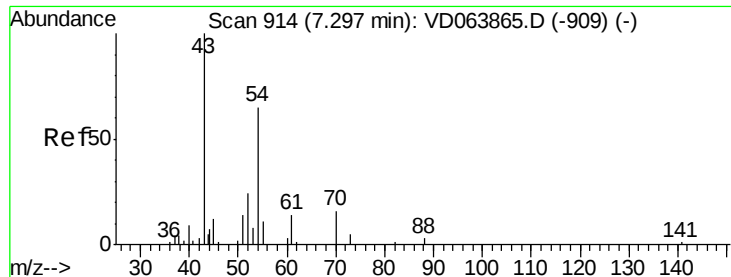
Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion:	75	Resp:	157150
Ion Ratio	Lower	Upper	
75	100		
110	37.4	17.4	52.3
77	30.9	25.4	38.0





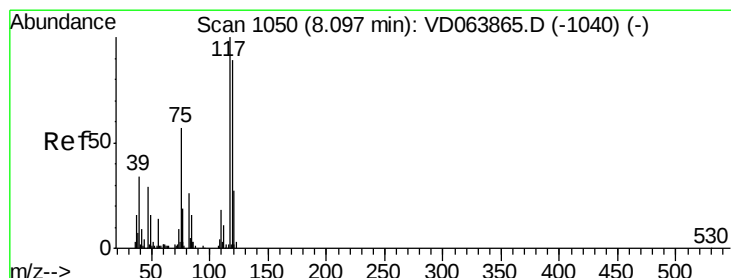
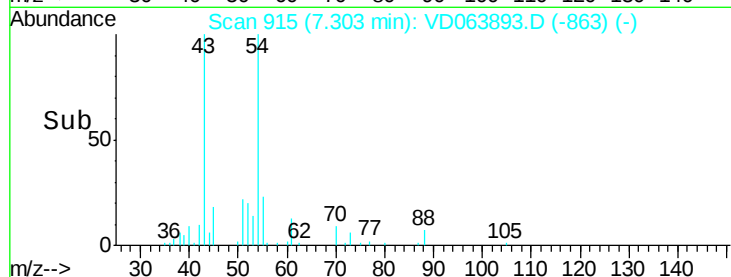
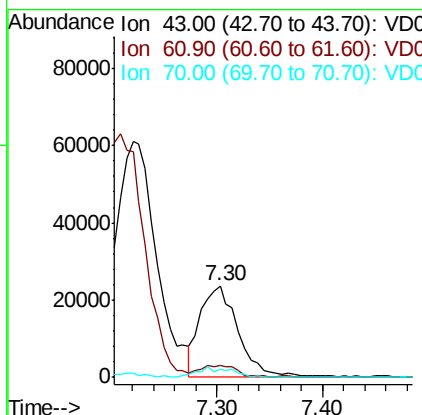
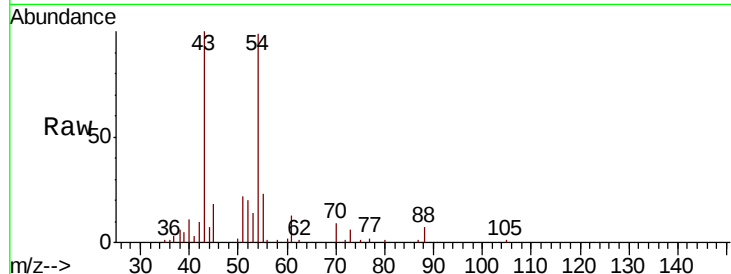
#37
Ethyl Acetate
Concen: 50.143 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.0	11.5	17.3
70	4.8	8.2	12.4

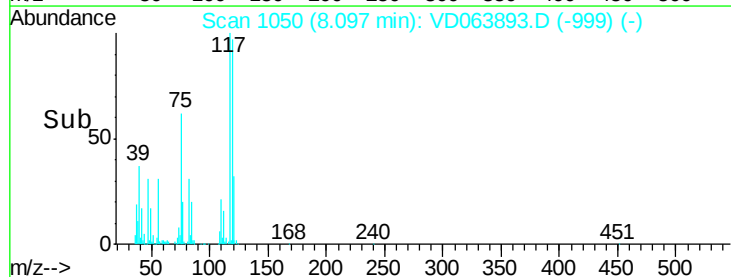
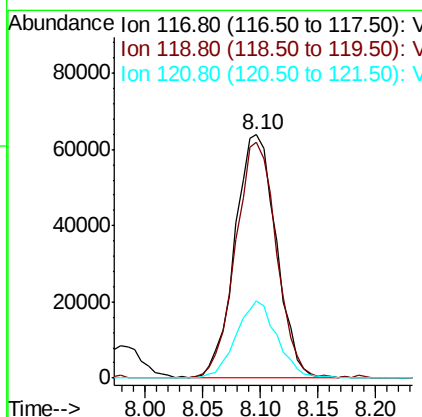
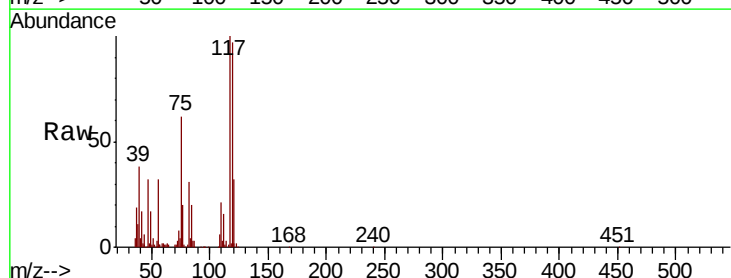
Manual Integrations
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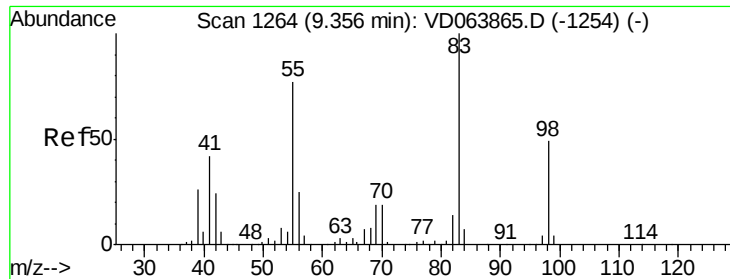
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#38
Carbon Tetrachloride
Concen: 53.090 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.9	70.8	106.2
121	31.6	21.4	32.0





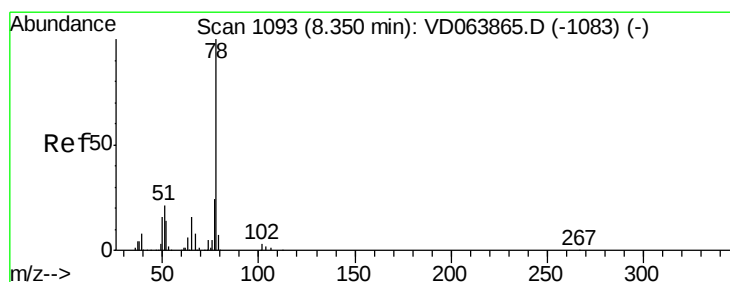
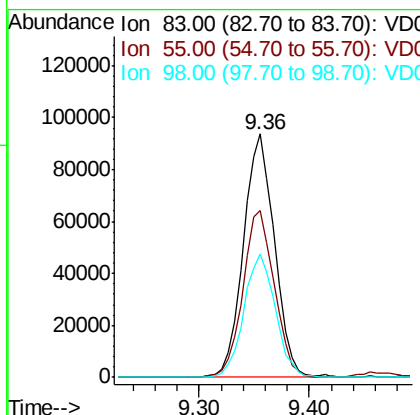
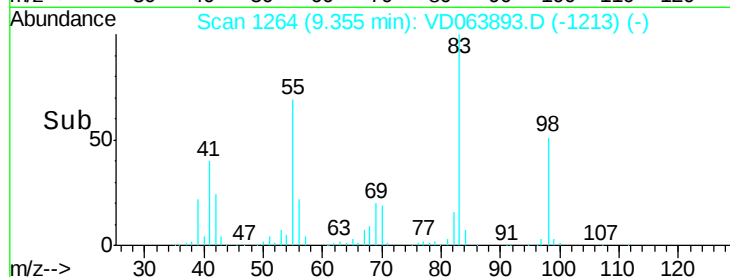
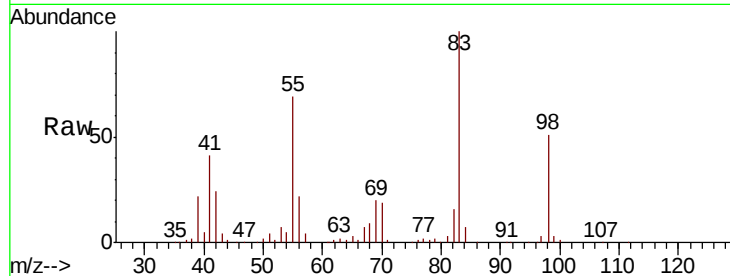
#39
Methvlcvclohexane
Concen: 51.166 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	68.5	61.3	91.9
98	50.6	39.3	58.9

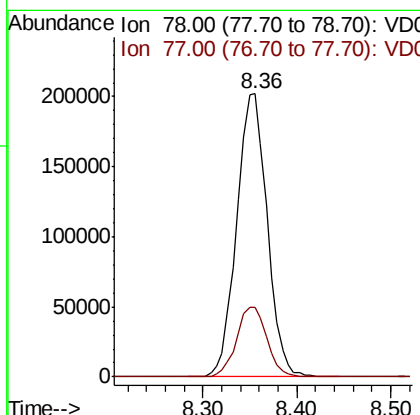
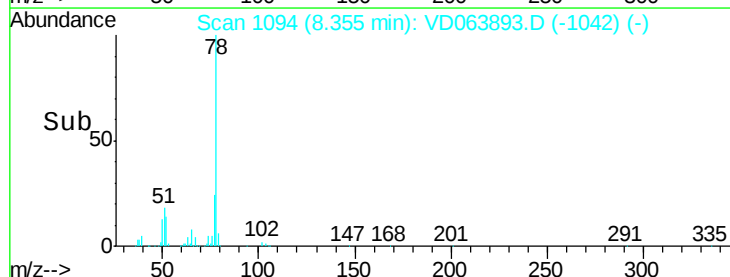
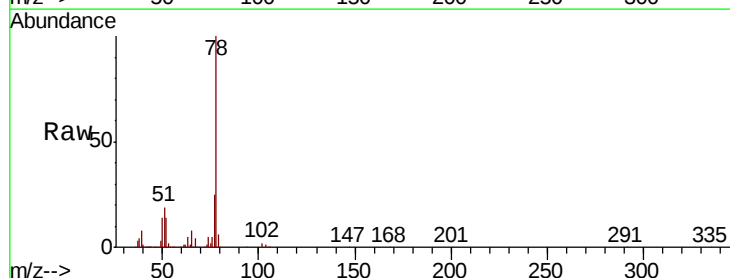
Manual Integrations
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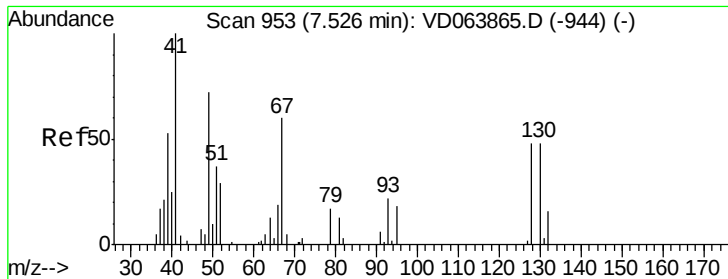
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#40
Benzene
Concen: 53.639 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





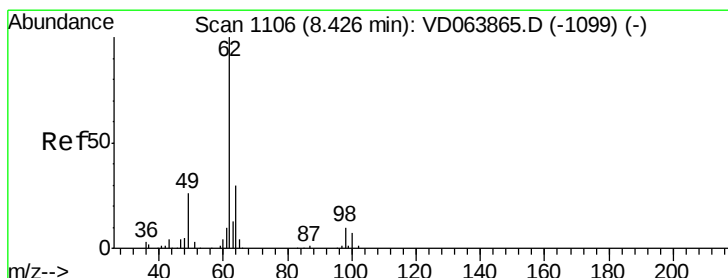
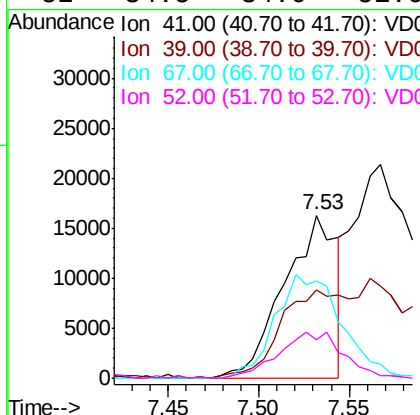
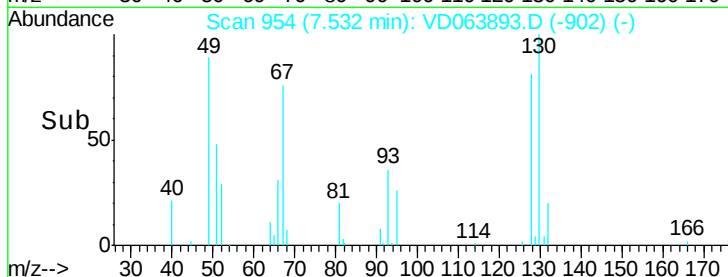
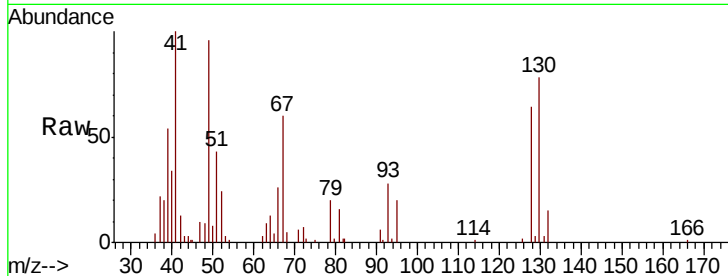
#41
Methacrylonitrile
Concen: 48.460 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	41	Resp:	33254
Ion	Ratio	Lower	Upper
41	100		
39	68.0	52.6	78.8
67	80.1	74.2	111.2
52	34.5	34.0	51.0

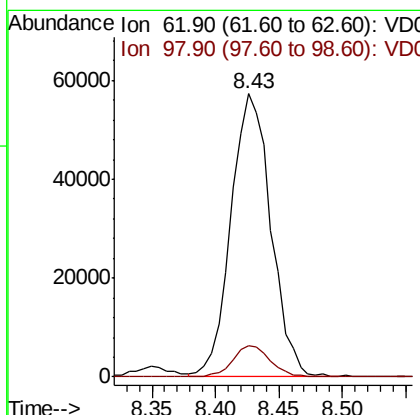
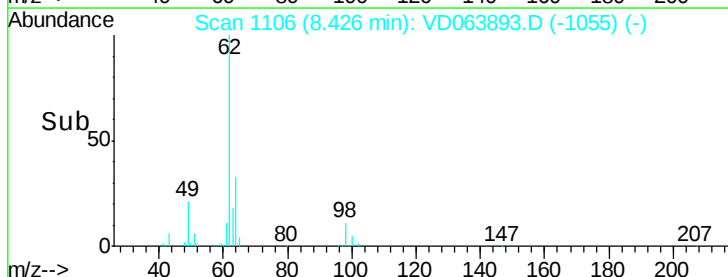
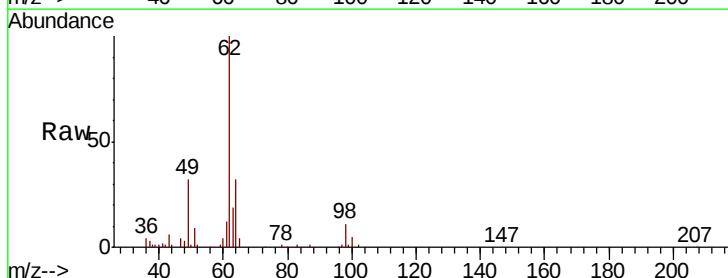
Manual Integrations
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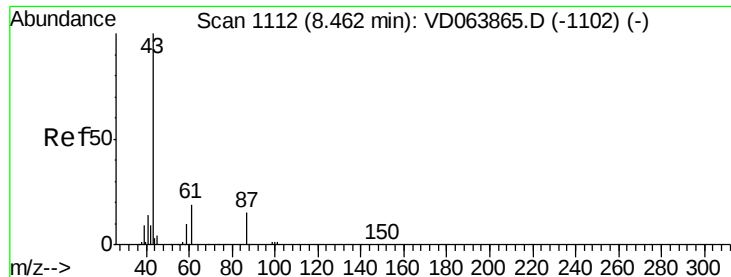
MMDadoda
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#42
1,2-Dichloroethane
Concen: 50.589 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion:	62	Resp:	124121
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0





#43

Isopropyl Acetate

Concen: 47.666 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

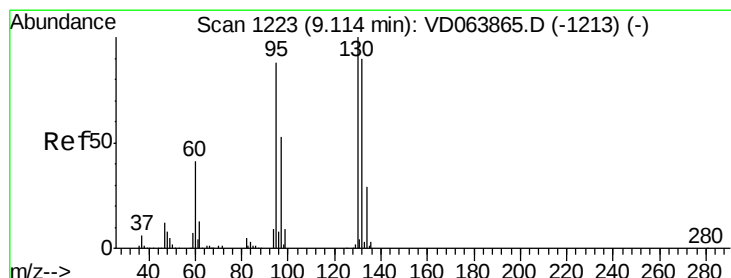
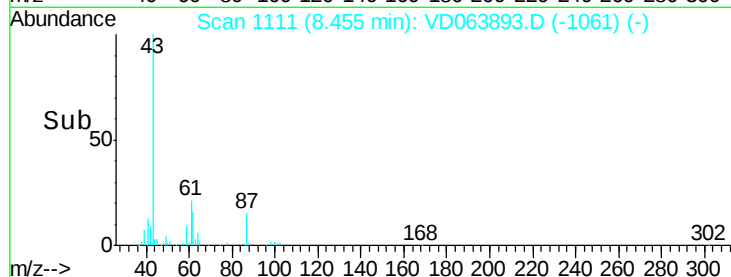
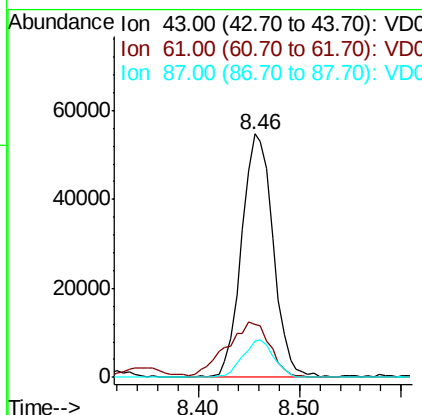
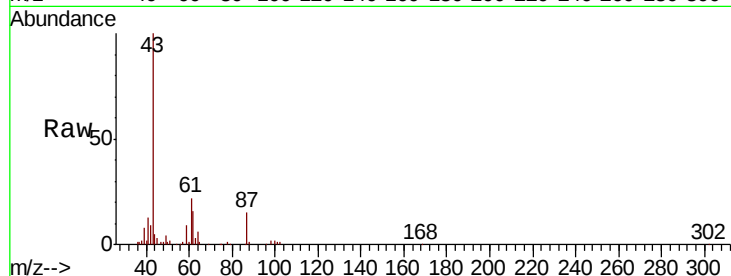
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	118316
Ion	Ratio	Lower	Upper
43	100		
61	31.5	25.7	38.5
87	15.1	11.6	17.4

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#44

Trichloroethene

Concen: 53.230 ug/l

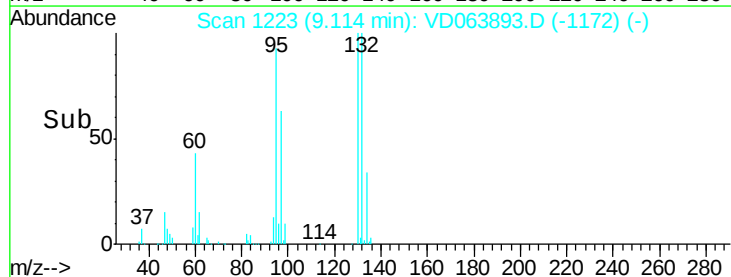
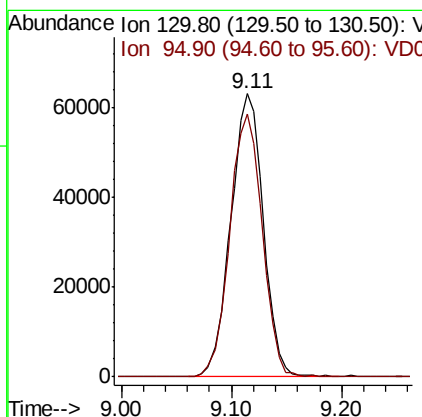
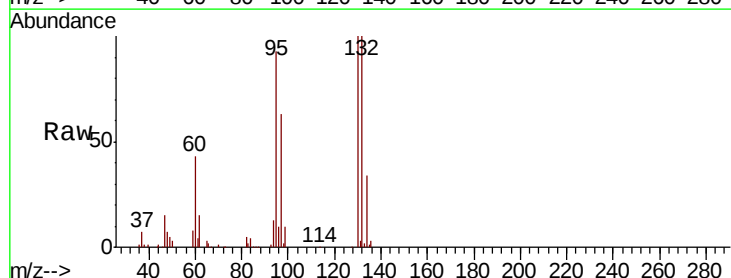
RT: 9.11 min Scan# 1223

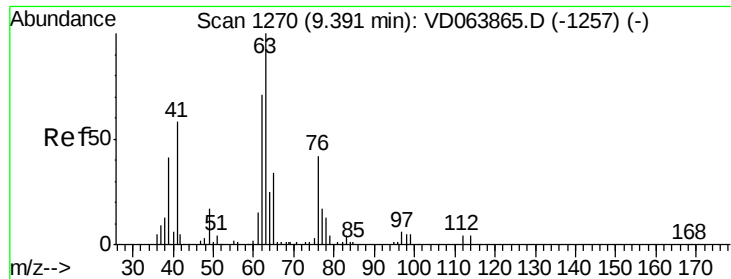
Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion:	130	Resp:	130191
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	175.6





#45

1,2-Dichloropropane

Concen: 51.439 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 106790

Ion Ratio Lower Upper

63 100

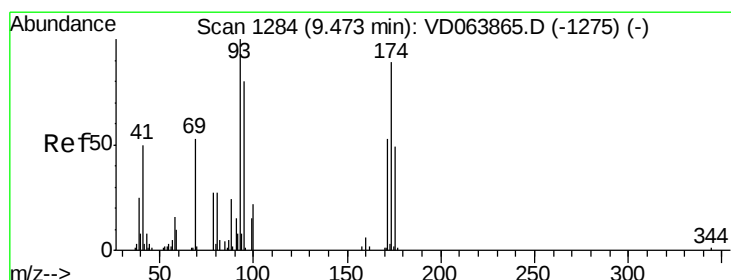
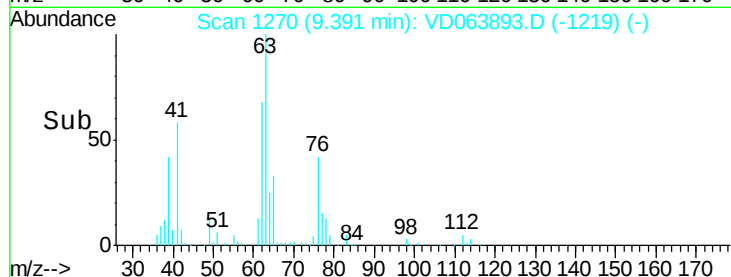
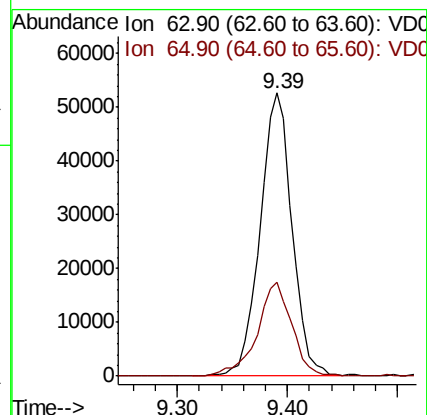
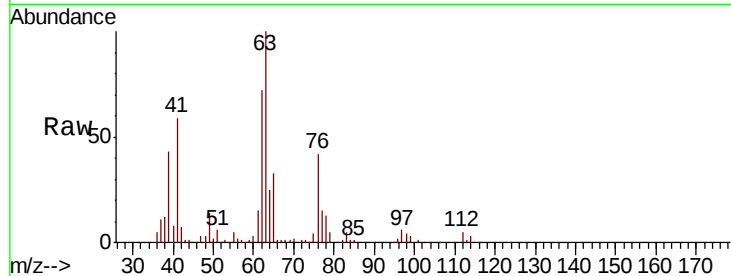
65 33.1 27.3 40.9

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#46

Dibromomethane

Concen: 51.156 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

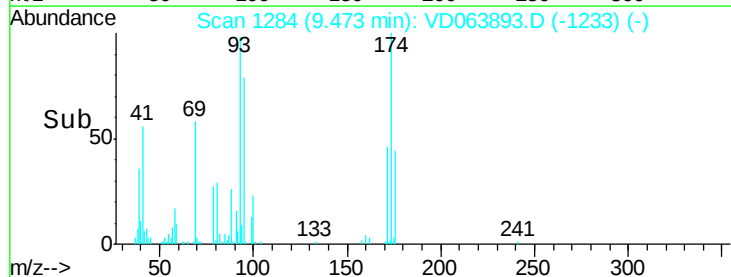
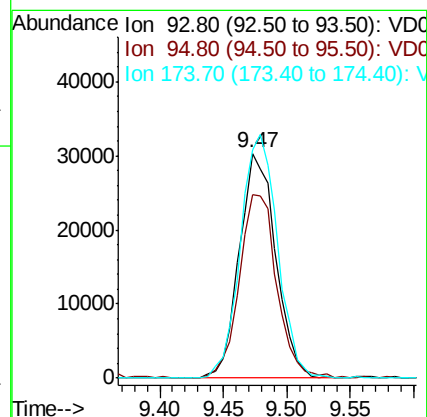
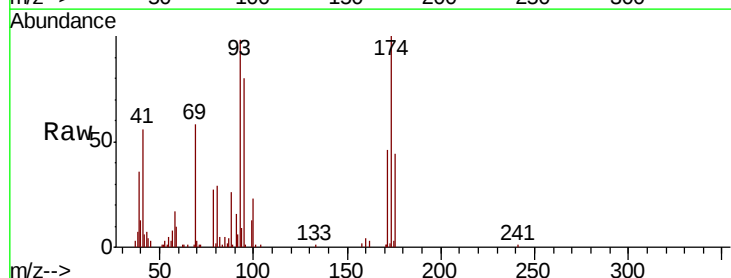
Tgt Ion: 93 Resp: 60484

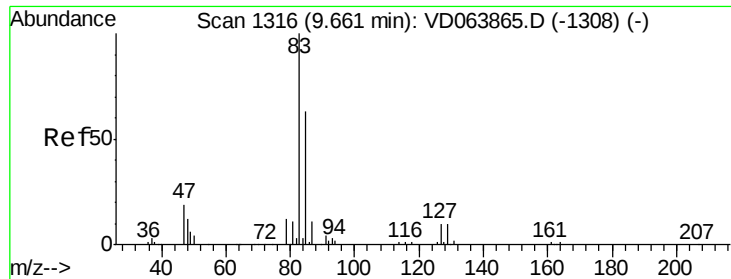
Ion Ratio Lower Upper

93 100

95 83.8 66.0 99.0

174 110.3 83.4 125.0





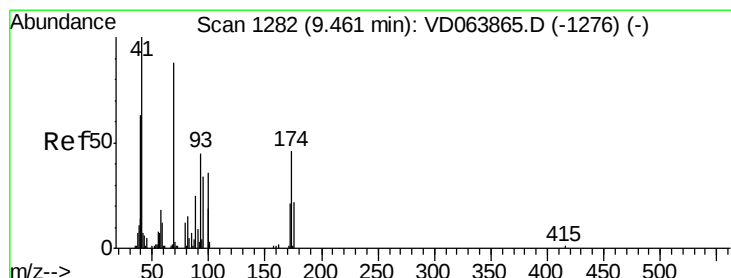
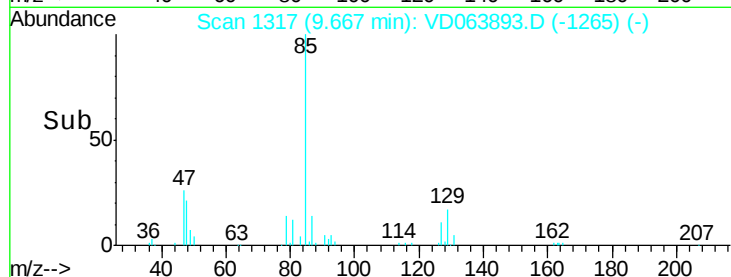
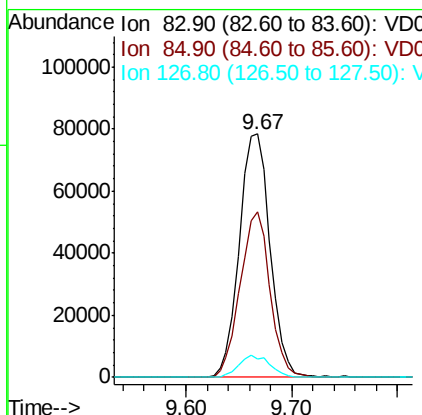
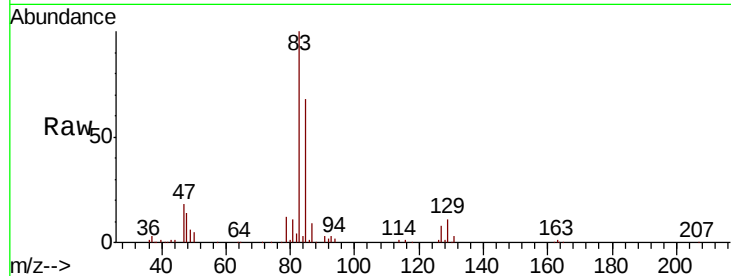
#47
Bromodichloromethane
Concen: 52.206 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	85	127
Resp	158920		
Ratio	100	68.2	7.8
Lower		50.2	7.6
Upper		75.2	11.4

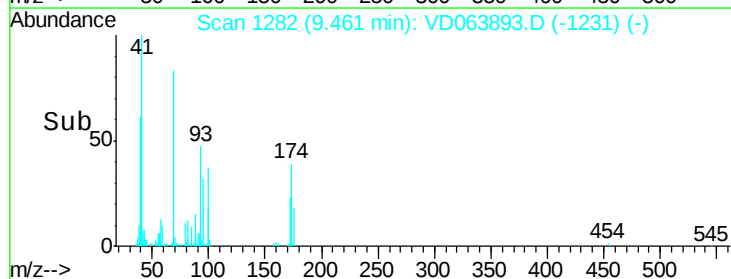
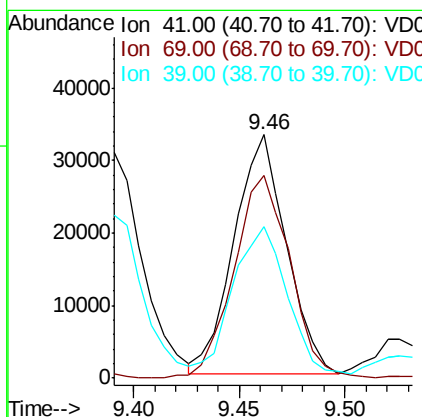
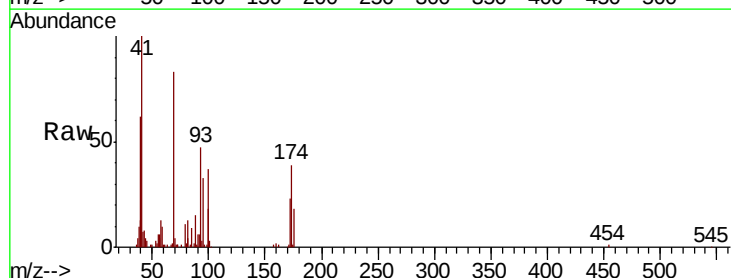
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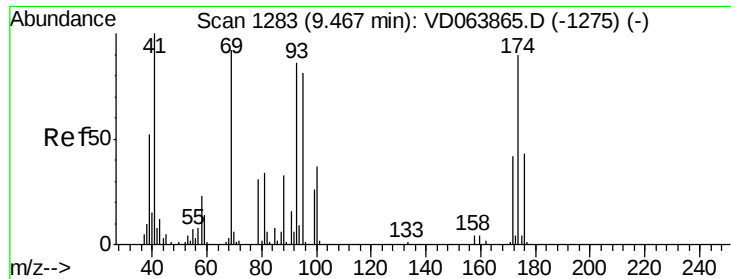
MMDadoda
10/10/2019 1:45:54 PM



#48
Methyl methacrylate
Concen: 47.347 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	41	69	39
Resp	56309		
Ratio	100	91.8	63.0
Lower		75.1	50.2
Upper		112.7	75.2





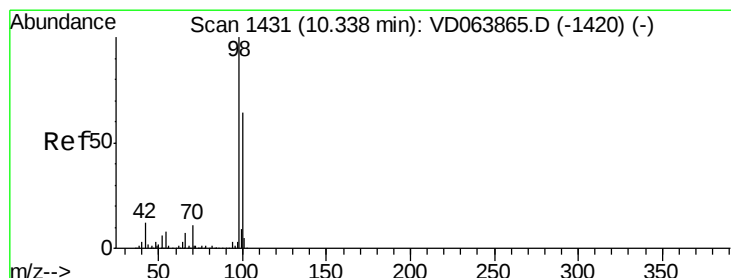
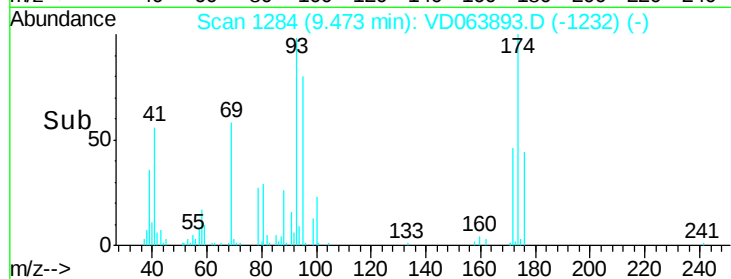
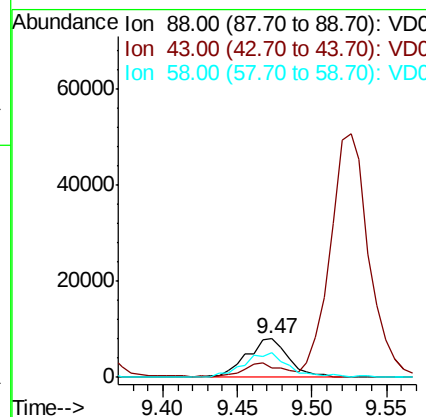
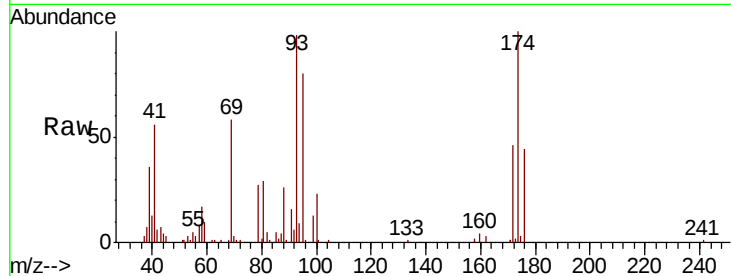
#49
1,4-Dioxane
Concen: 968.034 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	27.6	41.4
58	68.2	54.1	81.1

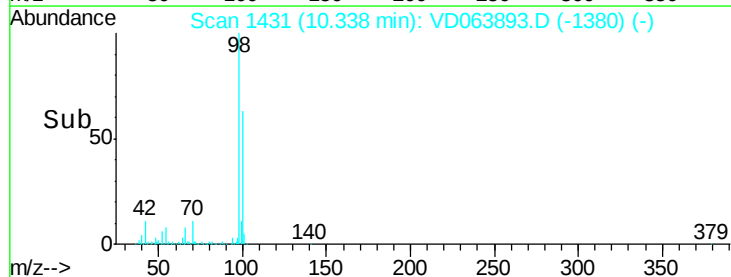
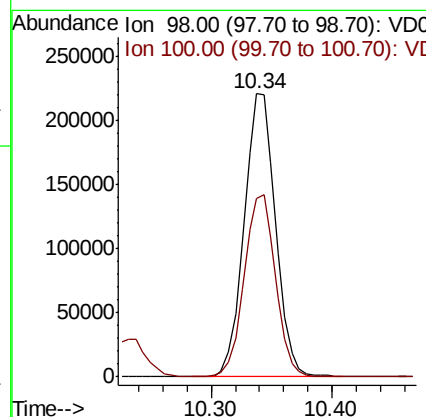
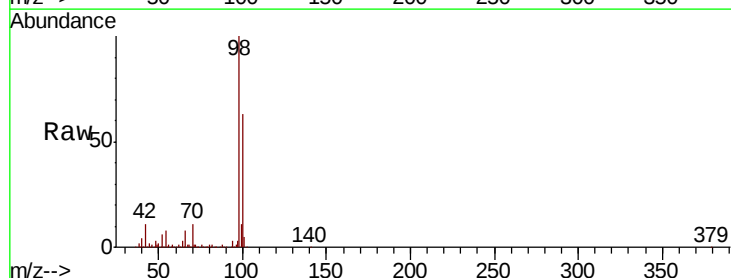
Manual Integrations
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#50
Toluene-d8
Concen: 50.114 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 237.769 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 306083

Ion Ratio Lower Upper

43 100

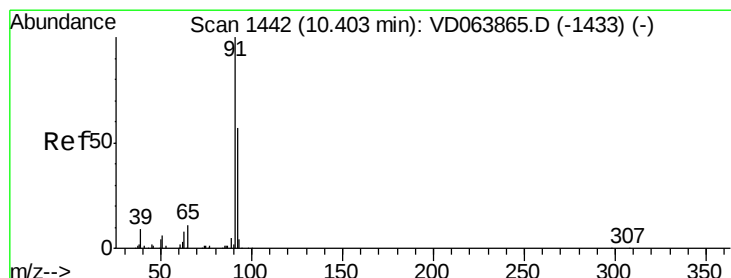
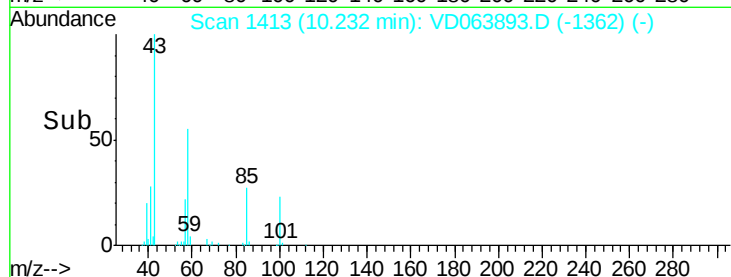
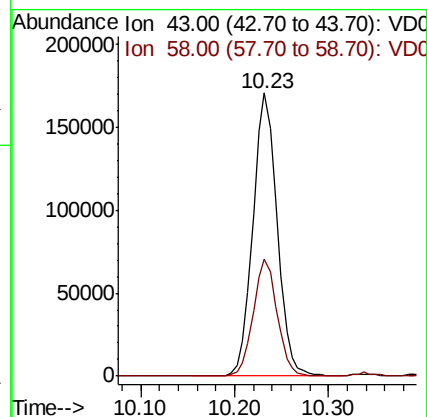
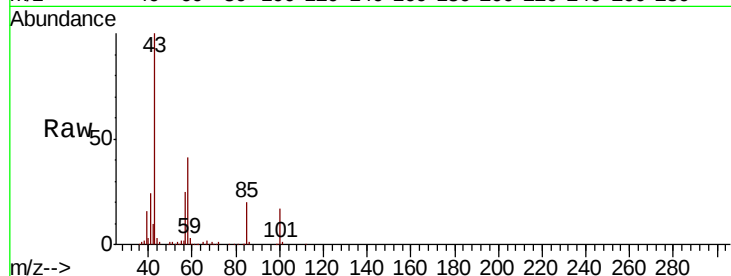
58 40.8 33.0 49.4

Manual Integrations

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#52

Toluene

Concen: 52.147 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063893.D

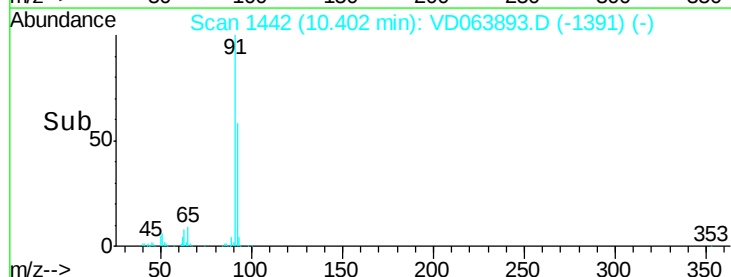
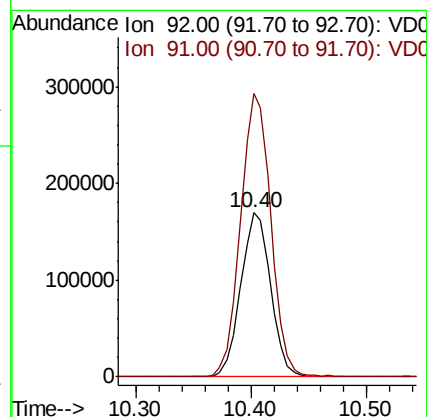
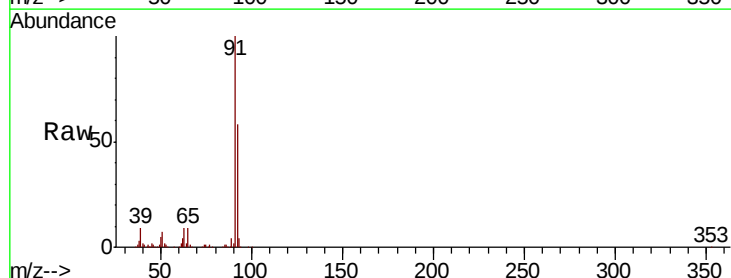
Acq: 07 Oct 2019 10:40

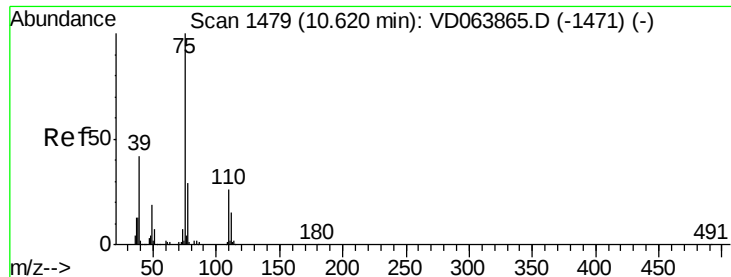
Tgt Ion: 92 Resp: 303630

Ion Ratio Lower Upper

92 100

91 175.1 139.5 209.3





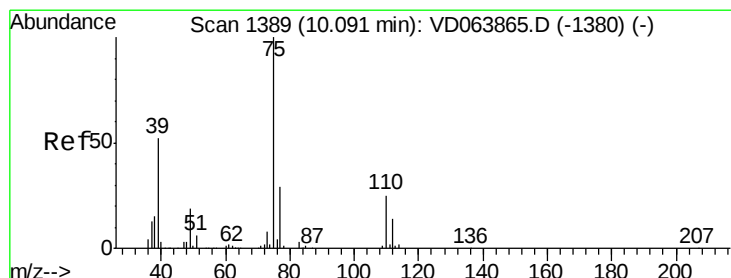
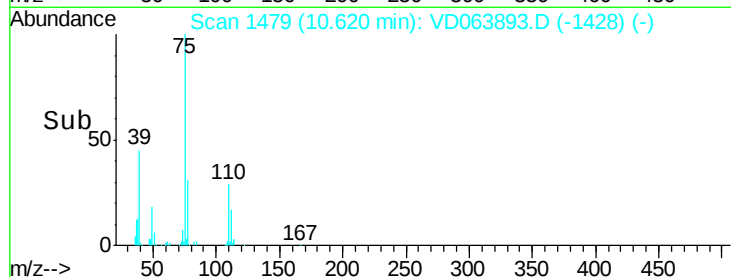
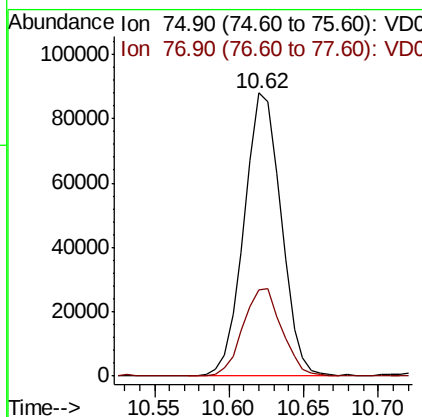
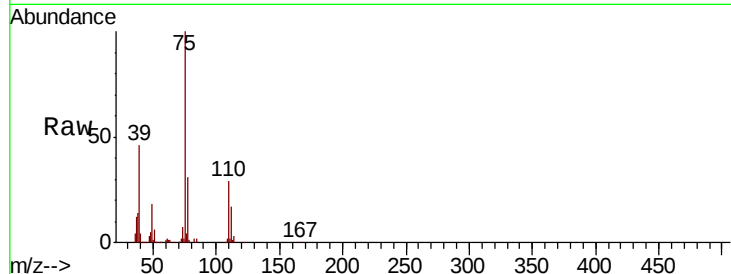
#53
 t-1,3-Dichloropropene
 Concen: 51.055 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 151658
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.8 34.2

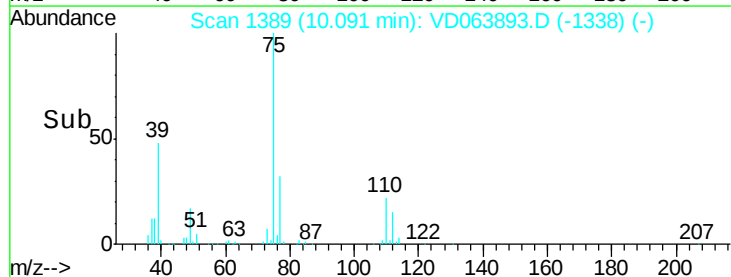
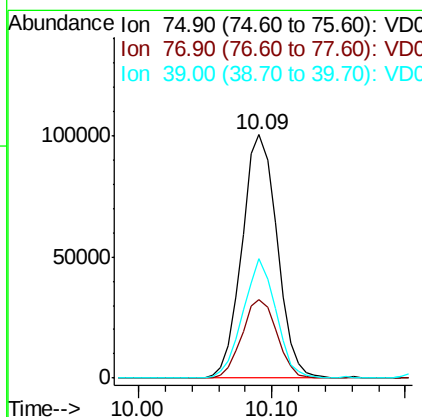
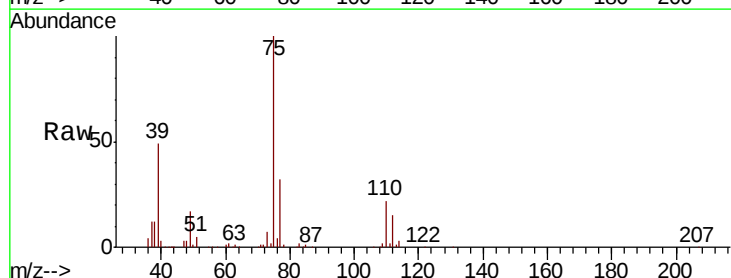
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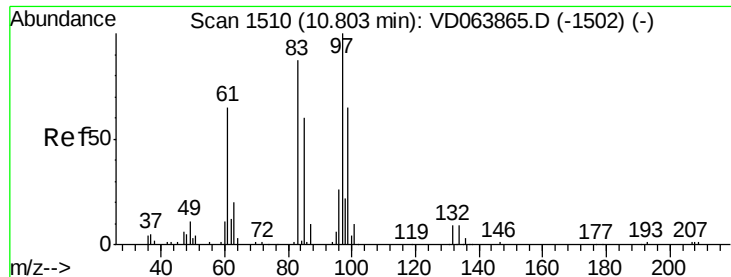
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 10/10/2019 1:45:54 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.426 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion: 75 Resp: 182681
 Ion Ratio Lower Upper
 75 100
 77 32.0 23.2 34.8
 39 48.8 41.5 62.3





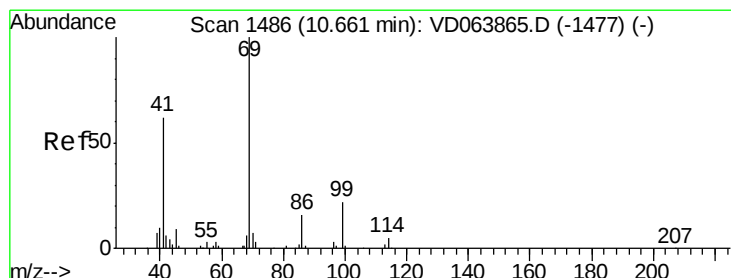
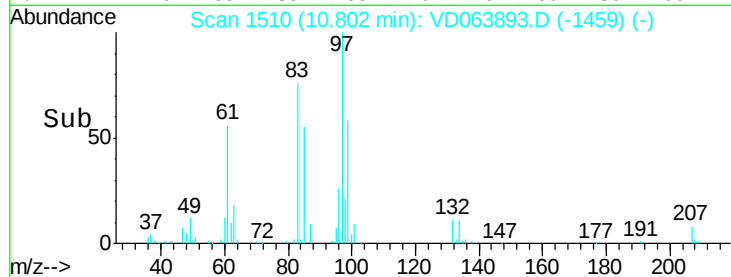
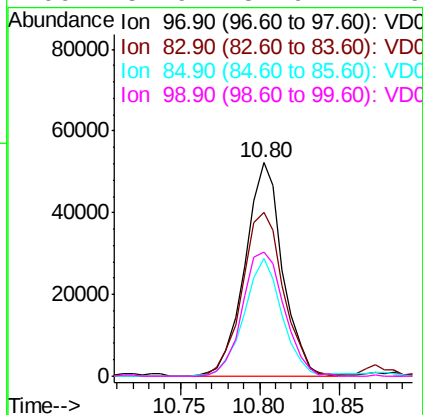
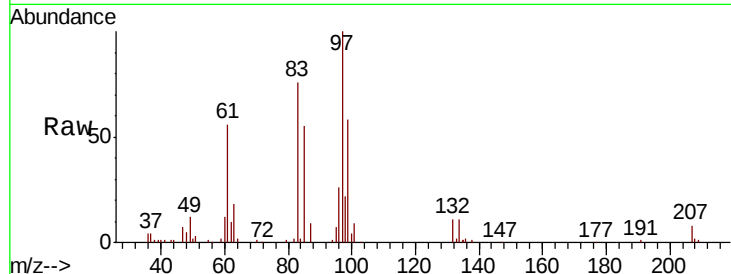
#55
 1,1,2-Trichloroethane
 Concen: 51.848 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	86555
Ion	Ratio	Lower	Upper
97	100		
83	76.1	69.7	104.5
85	55.1	48.1	72.1
99	57.9	51.9	77.9

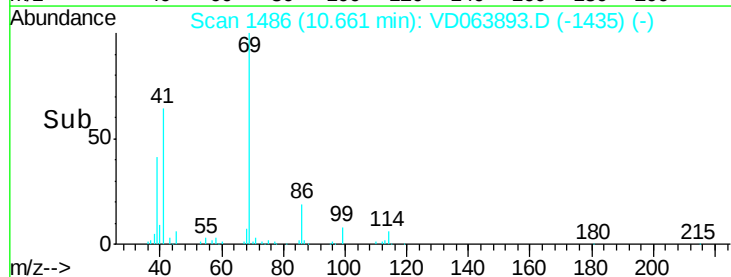
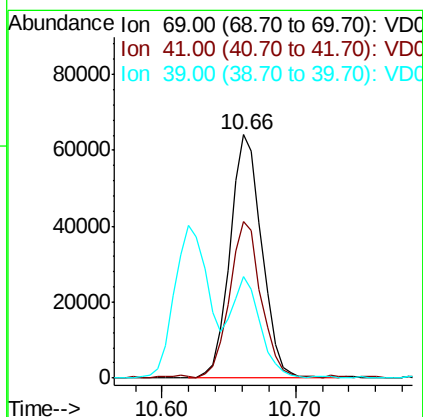
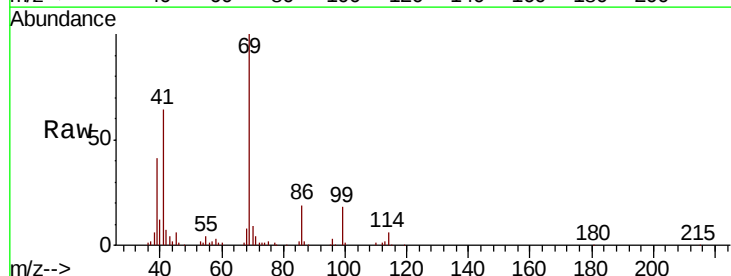
Manual Integrations
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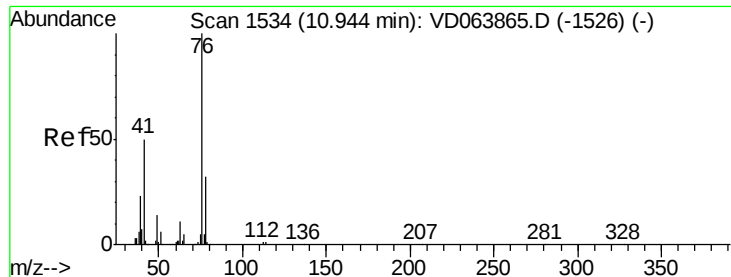
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#56
 Ethyl methacrylate
 Concen: 50.278 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion:	69	Resp:	106291
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.3	76.9
39	37.9	28.0	42.0





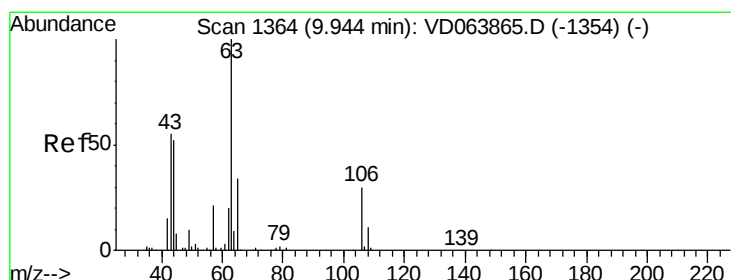
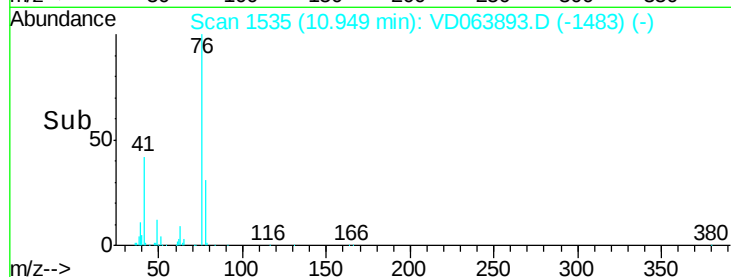
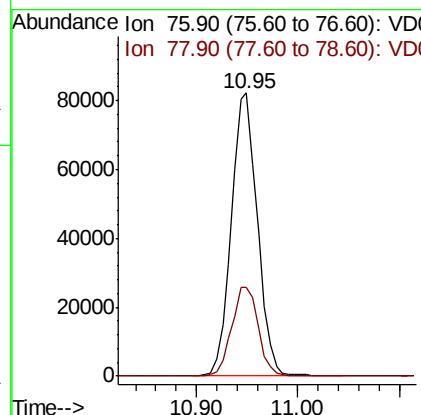
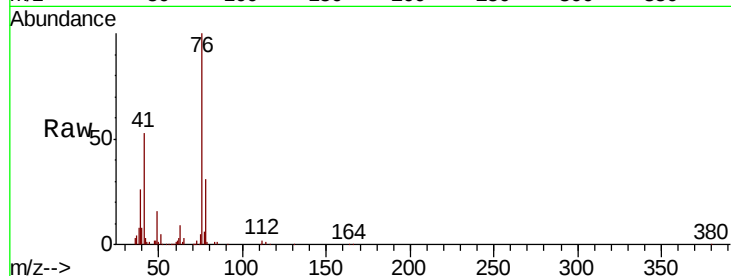
#57
 1,3-Dichloropropane
 Concen: 51.268 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.6	40.0

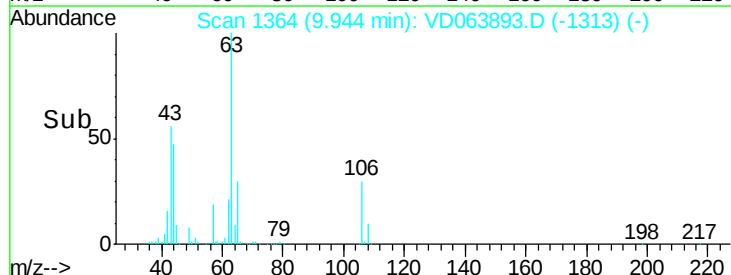
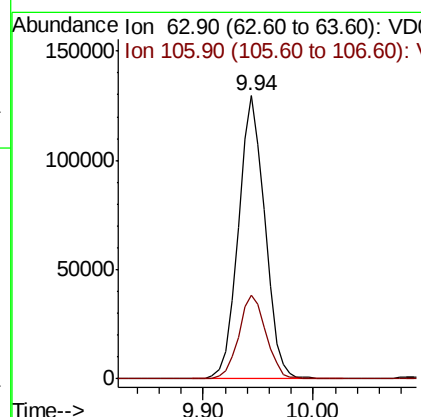
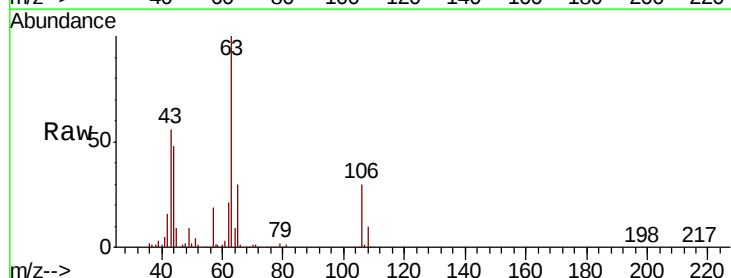
Manual Integrations
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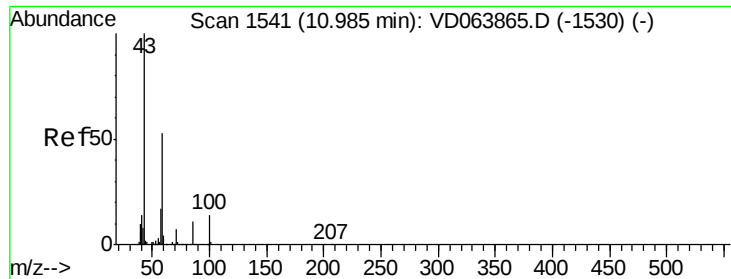
MMDadoda
 10/10/2019 1:45:54 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 240.667 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.3	36.5





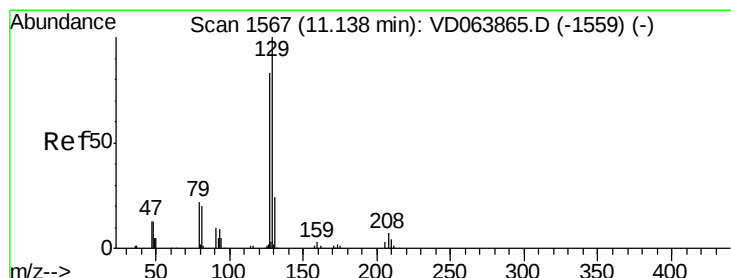
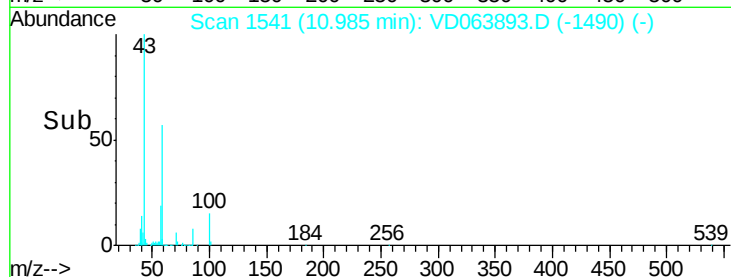
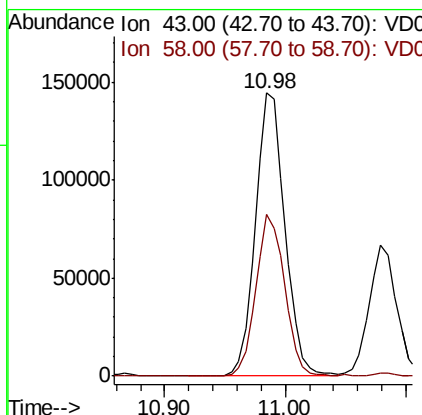
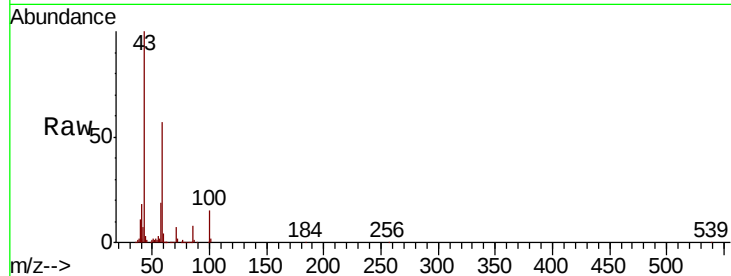
#59
2-Hexanone
Concen: 263.735 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 245591
Ion Ratio Lower Upper
43 100
58 55.6 27.7 83.0

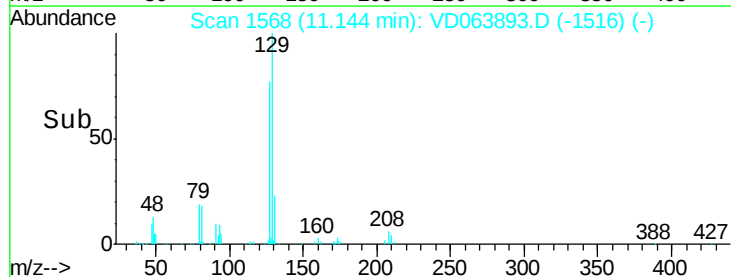
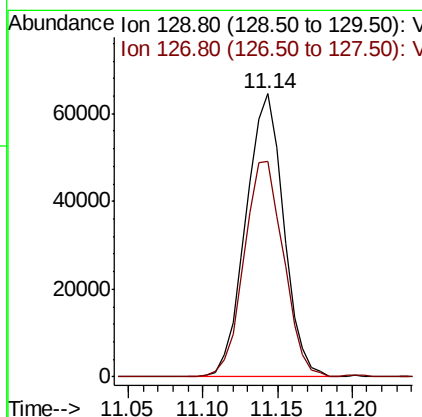
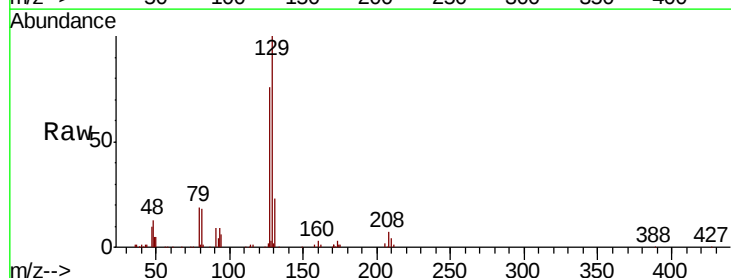
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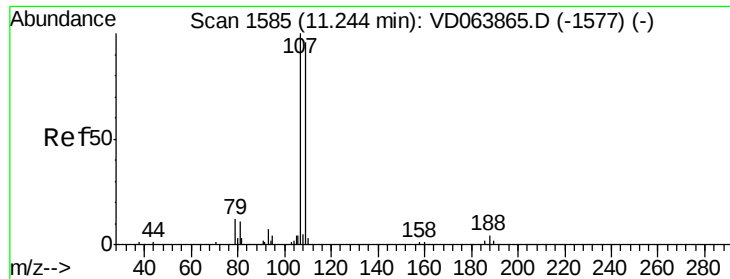
MMDadoda
10/10/2019 1:45:54 PM



#60
Dibromochloromethane
Concen: 52.002 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 129 Resp: 113021
Ion Ratio Lower Upper
129 100
127 79.5 39.9 119.6





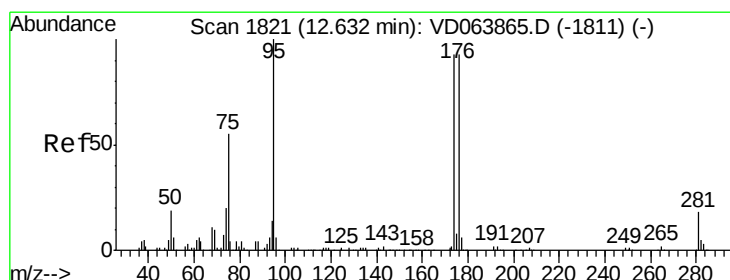
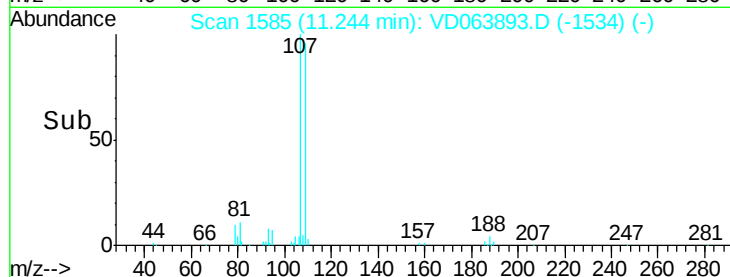
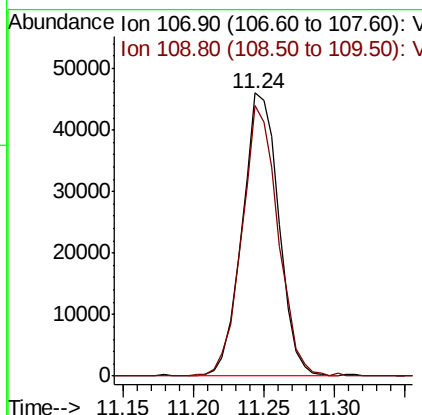
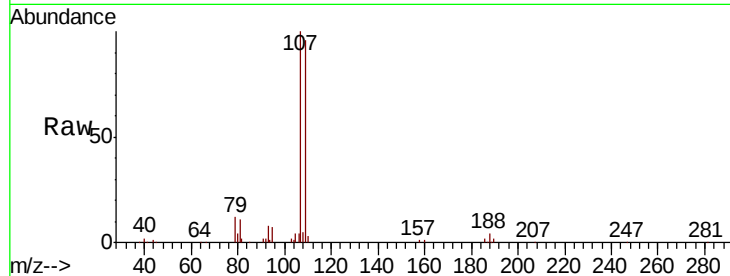
#61
 1,2-Dibromoethane
 Concen: 51.520 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 83381
 Ion Ratio Lower Upper
 107 100
 109 94.6 75.2 112.8

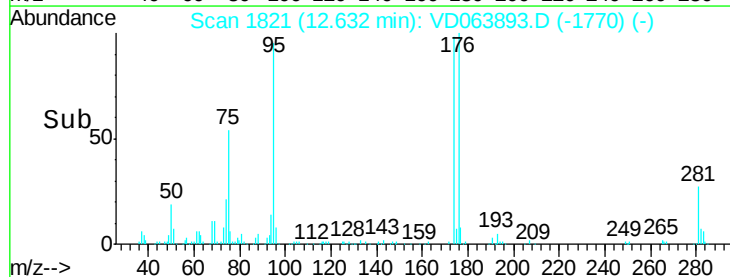
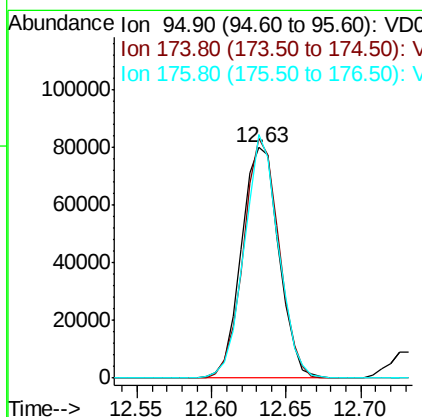
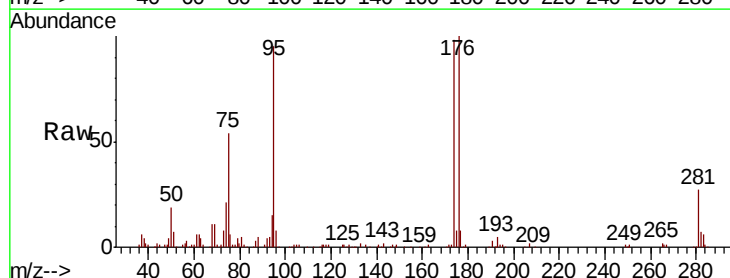
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#62
 4-Bromofluorobenzene
 Concen: 49.737 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion: 95 Resp: 138782
 Ion Ratio Lower Upper
 95 100
 174 97.9 0.0 186.4
 176 96.1 0.0 184.2





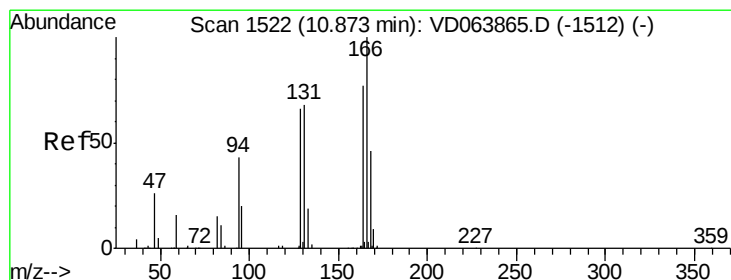
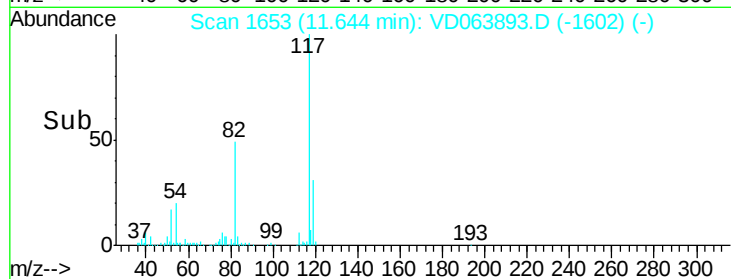
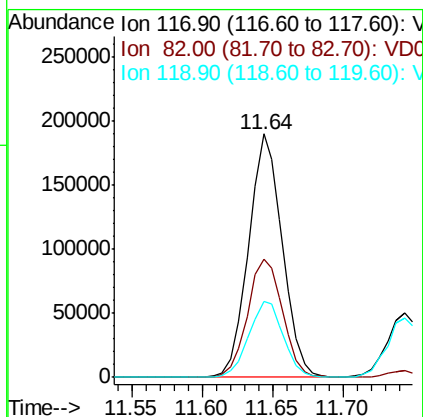
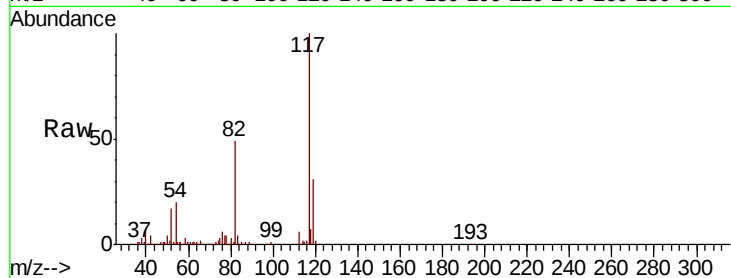
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.5	42.8	64.2
119	31.1	24.4	36.6

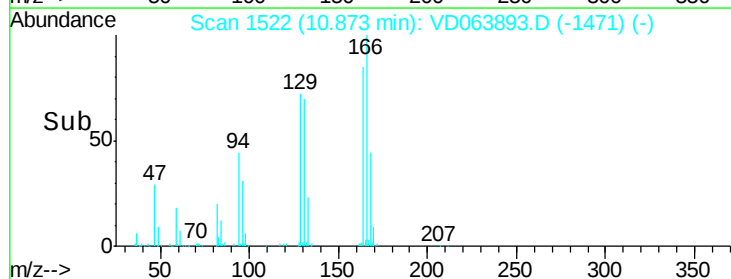
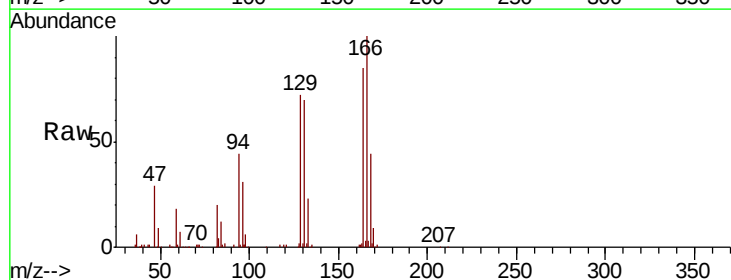
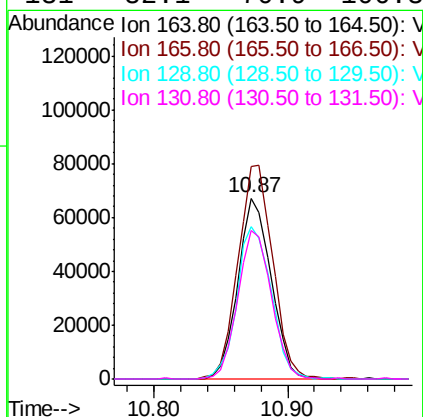
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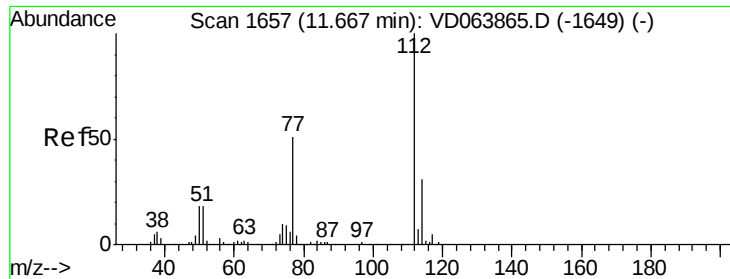
MMDadoda
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#64
Tetrachloroethene
Concen: 53.185 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.3	103.8	155.6
129	84.5	68.9	103.3
131	82.1	70.9	106.3





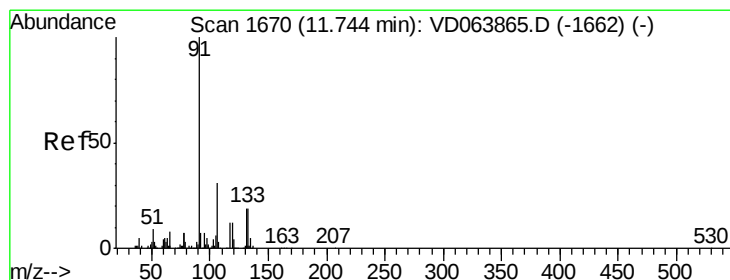
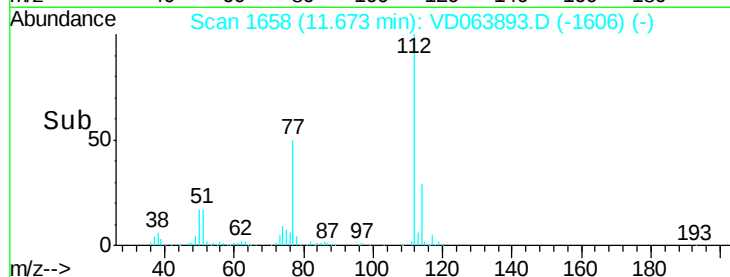
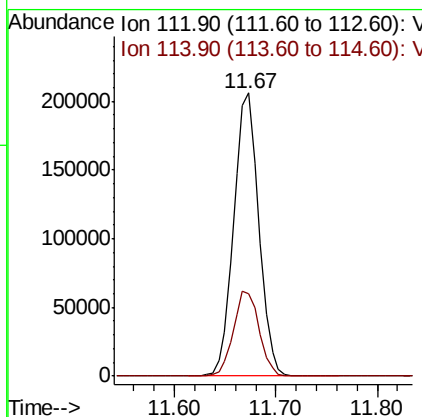
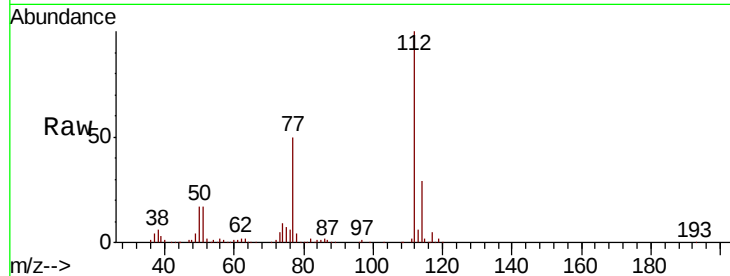
#65
Chlorobenzene
Concen: 55.271 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 353783
Ion Ratio Lower Upper
112 100
114 29.3 25.1 37.7

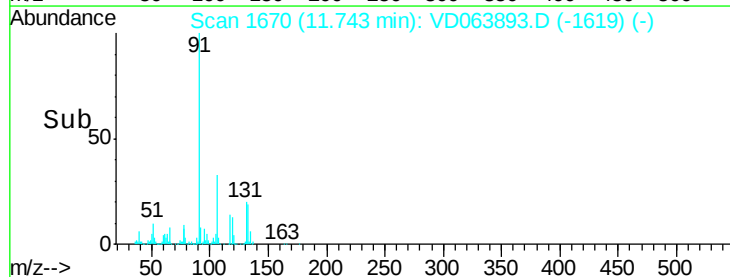
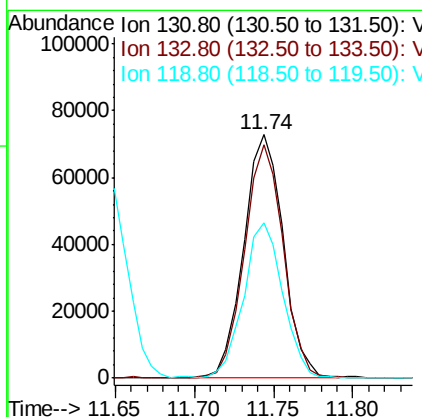
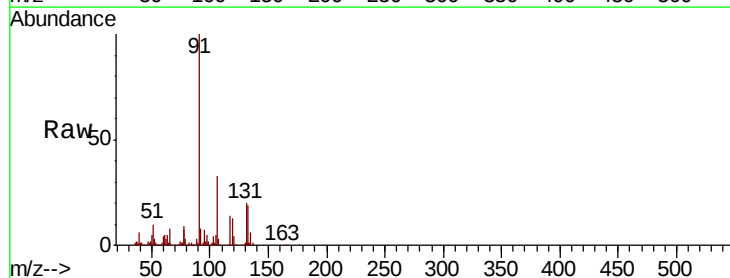
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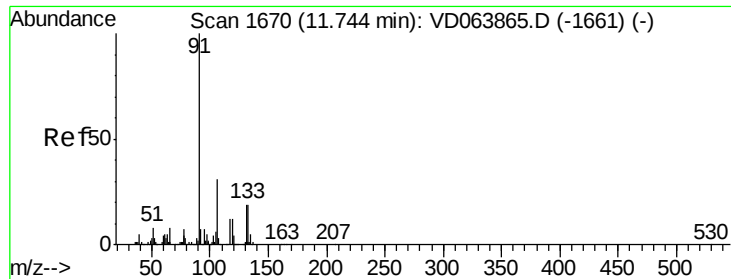
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.677 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion:131 Resp: 126602
Ion Ratio Lower Upper
131 100
133 93.7 48.9 146.7
119 63.2 32.6 97.8





#67

Ethyl Benzene

Concen: 52.773 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 609101

Ion Ratio Lower Upper

91 100

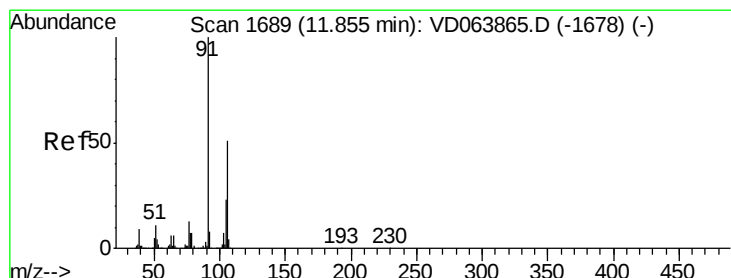
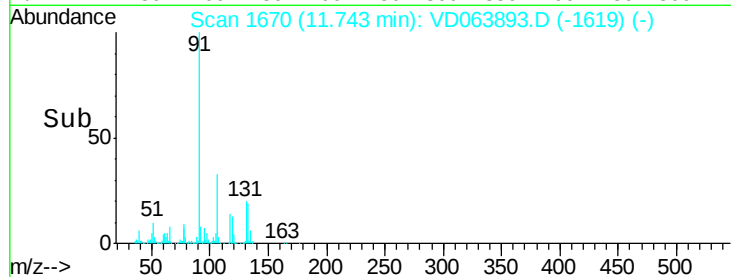
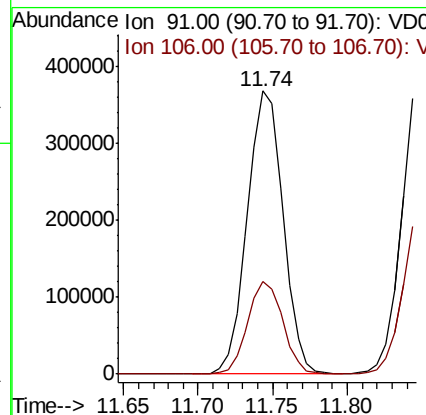
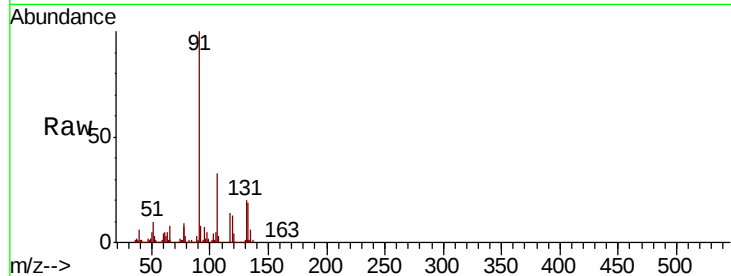
106 32.7 24.6 37.0

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#68

m/p-Xylenes

Concen: 107.387 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063893.D

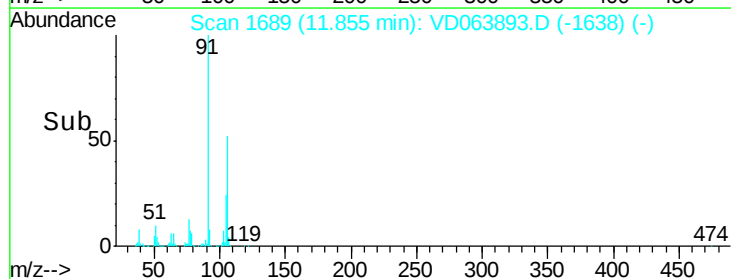
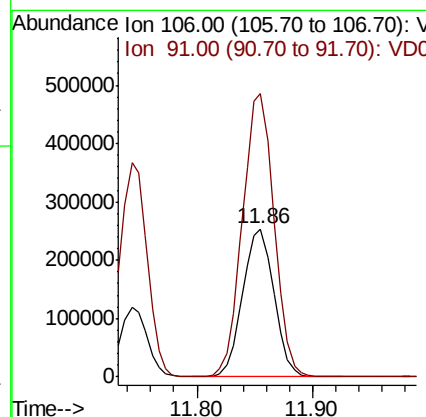
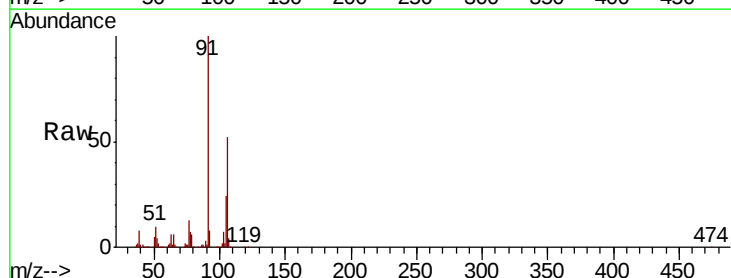
Acq: 07 Oct 2019 10:40

Tgt Ion: 106 Resp: 478407

Ion Ratio Lower Upper

106 100

91 193.2 154.8 232.2





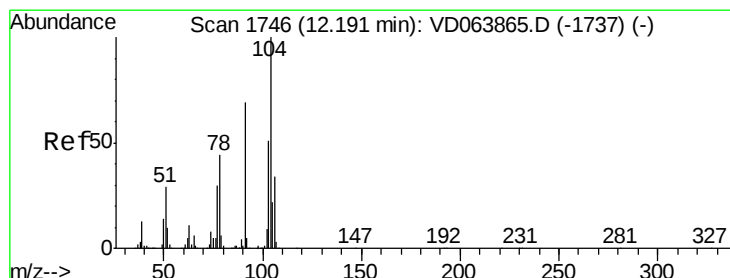
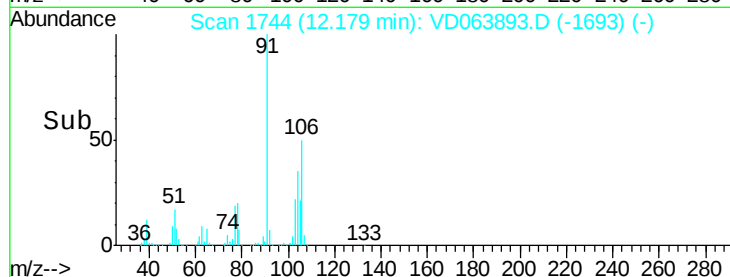
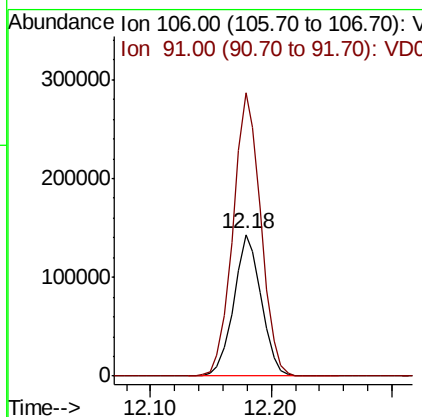
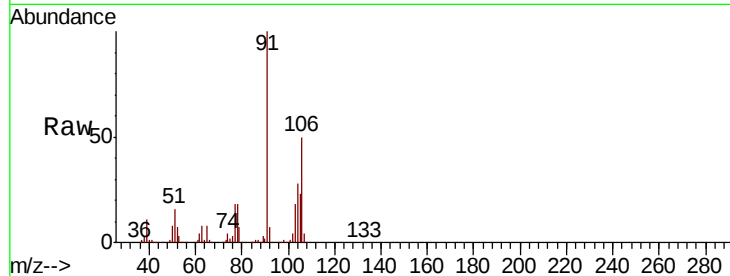
#69
o-Xylene
Concen: 53.252 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 227165
Ion Ratio Lower Upper
106 100
91 202.3 103.9 311.7

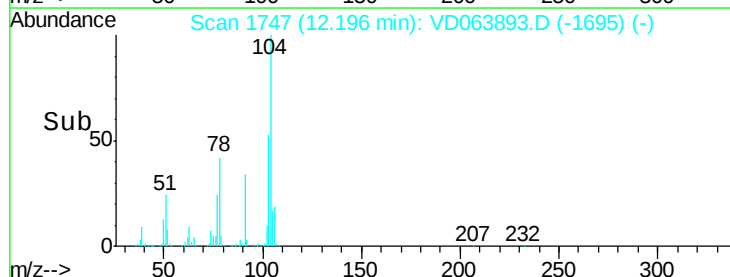
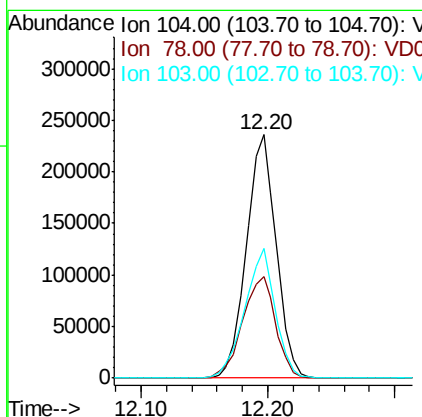
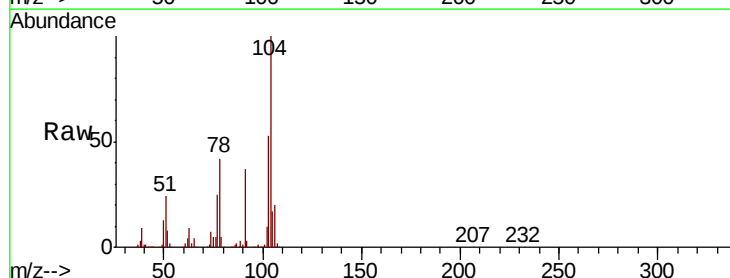
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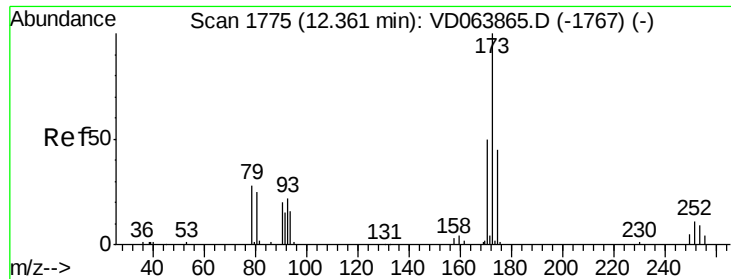
MMDadoda
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#70
Styrene
Concen: 53.446 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion:104 Resp: 385959
Ion Ratio Lower Upper
104 100
78 46.3 37.0 55.4
103 54.5 44.2 66.4





#71

Bromoform

Concen: 55.495 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

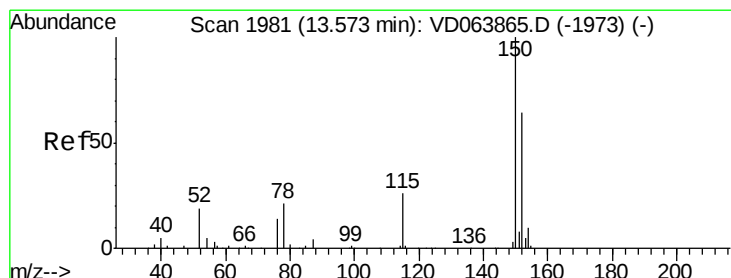
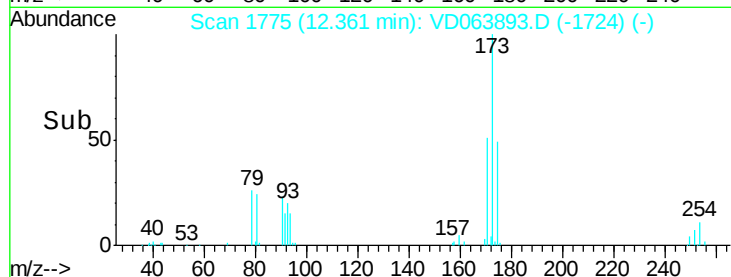
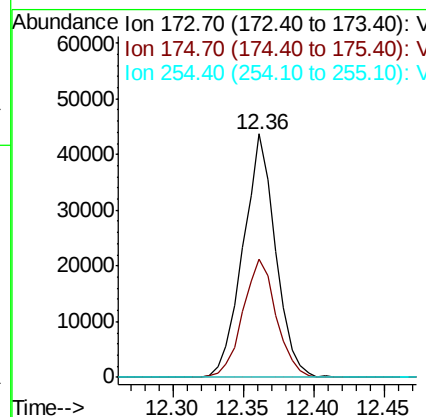
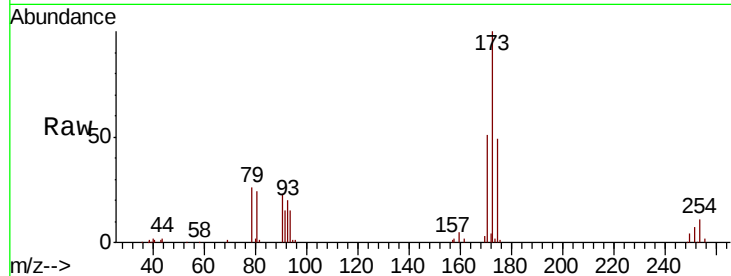
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	70245
Ion Ratio	Lower	Upper	
173	100		
175	49.9	24.6	74.0
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

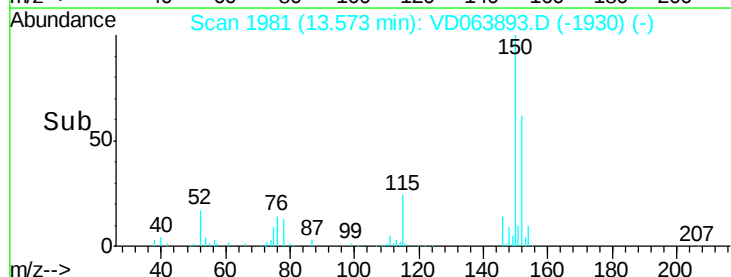
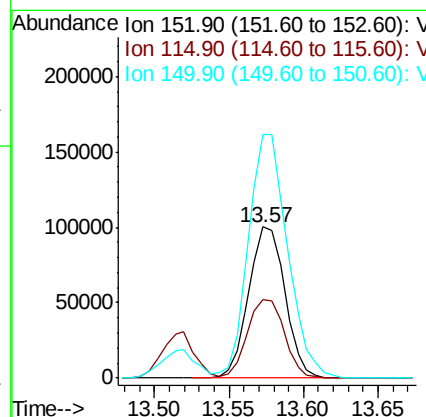
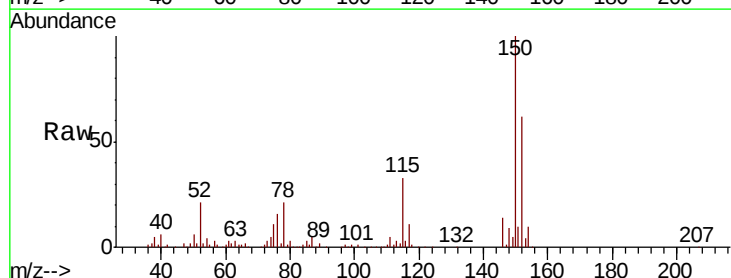
RT: 13.57 min Scan# 1981

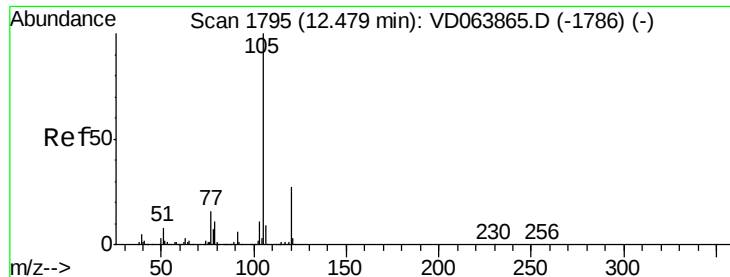
Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion:	152	Resp:	168580
Ion Ratio	Lower	Upper	
152	100		
115	53.3	25.9	77.7
150	174.0	0.0	344.2





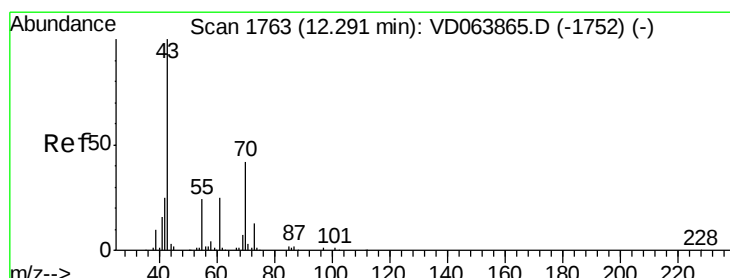
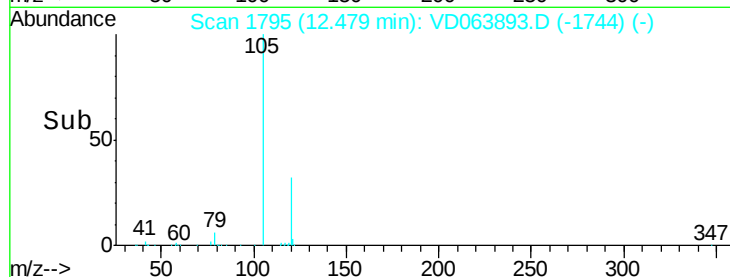
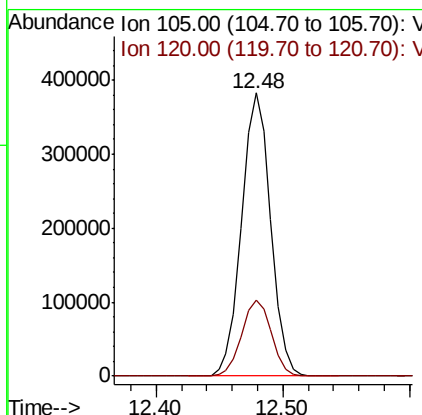
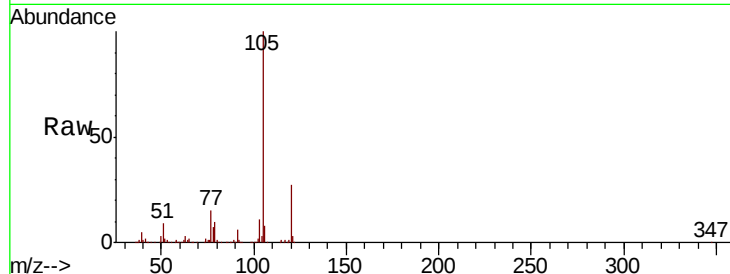
#73
Isopropylbenzene
Concen: 53.666 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.5	13.3	39.8

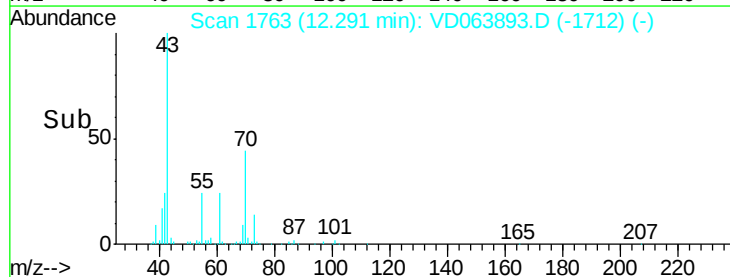
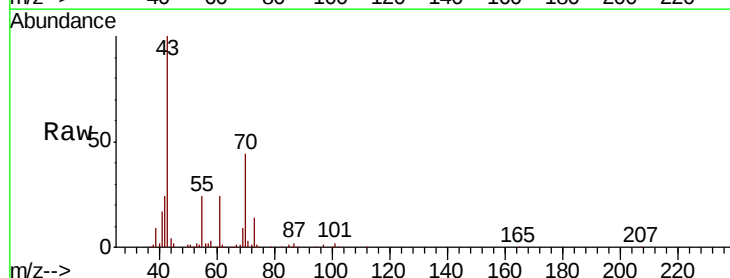
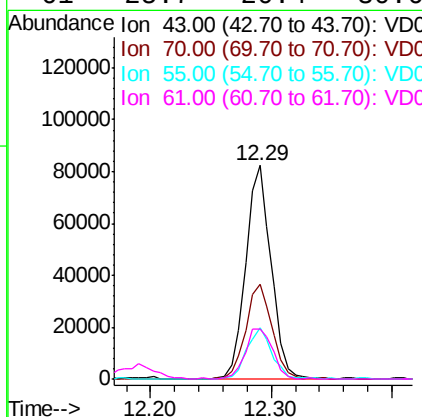
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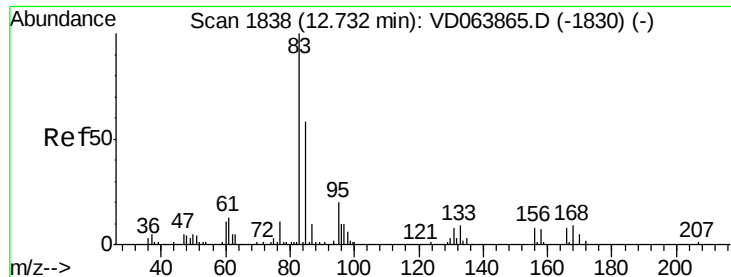
MMDadoda
10/10/2019 1:45:54 PM



#74
N-ethyl acetate
Concen: 49.485 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
43	100		
70	45.8	35.8	53.6
55	24.2	19.4	29.0
61	25.7	20.4	30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 51.338 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

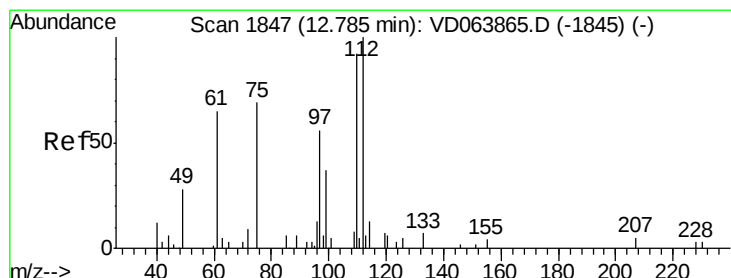
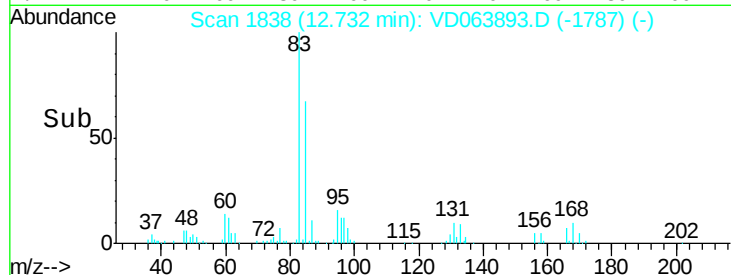
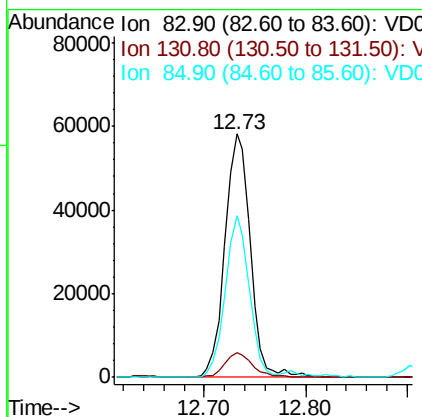
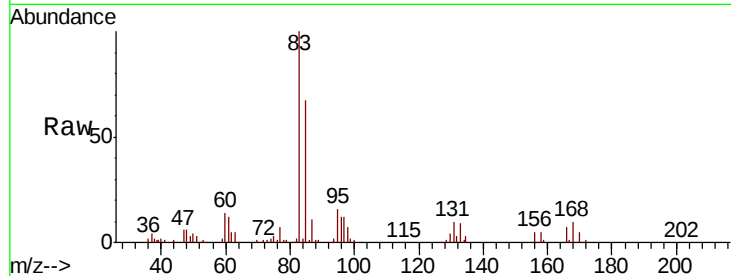
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	101241
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.6	16.8
85	62.3	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 52.970 ug/l m

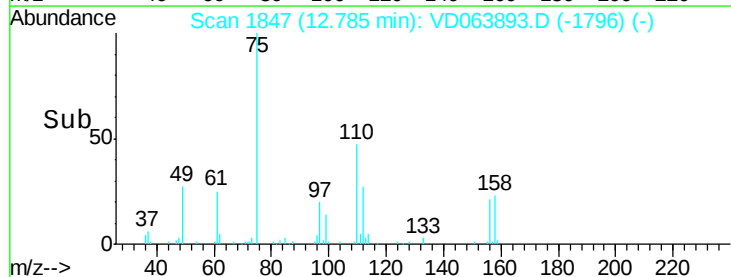
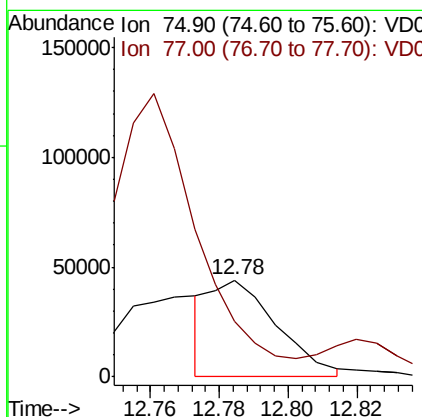
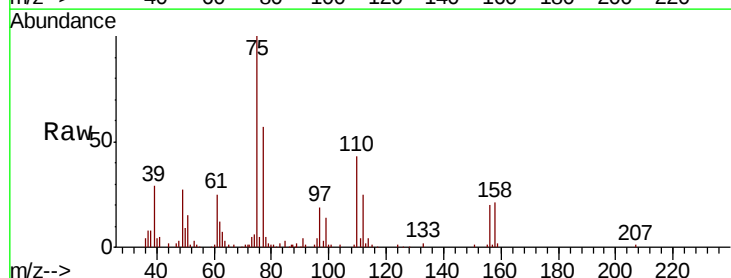
RT: 12.78 min Scan# 1847

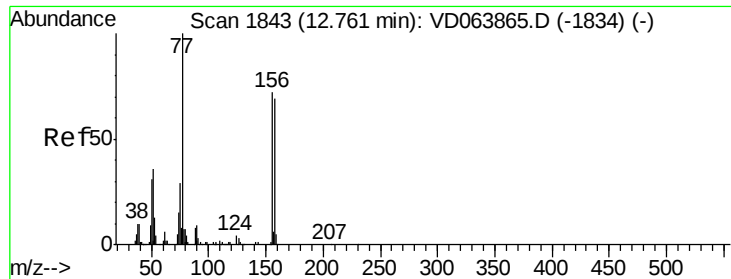
Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion:	75	Resp:	59808
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.713 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

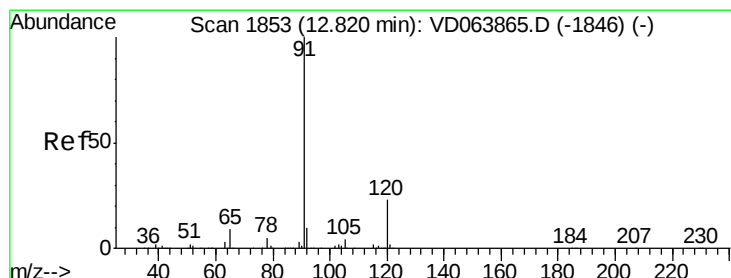
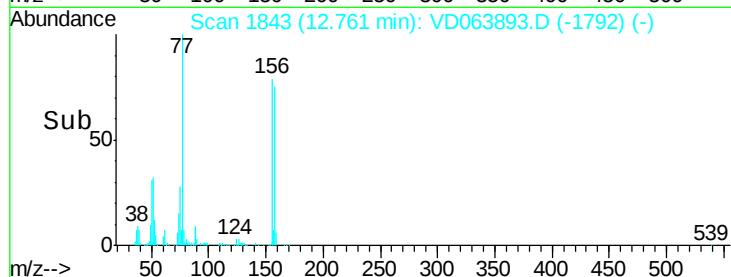
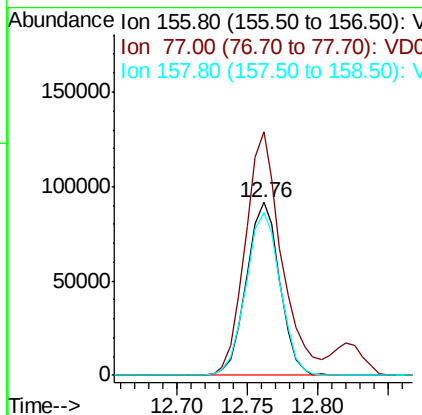
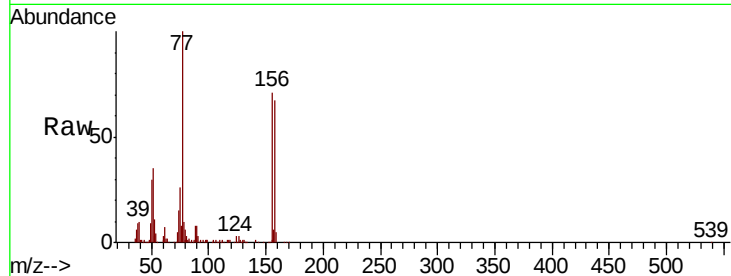
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	153.5	80.3	241.0
158	97.5	47.4	142.2

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#78

n-propylbenzene

Concen: 54.040 ug/l

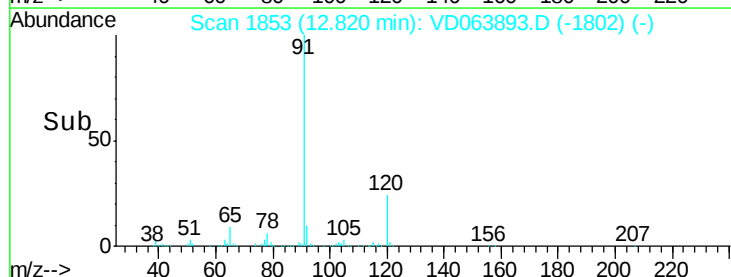
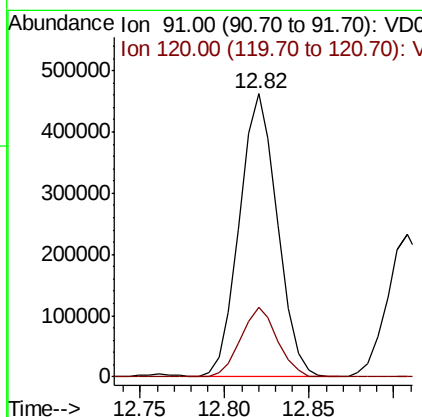
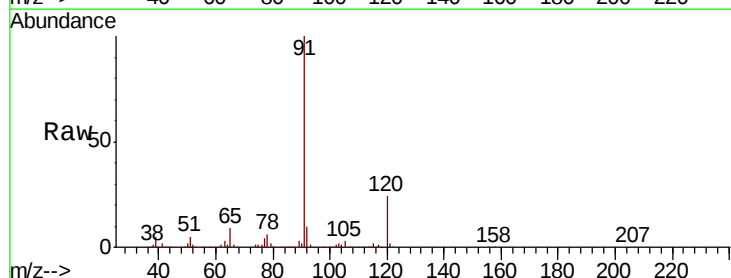
RT: 12.82 min Scan# 1853

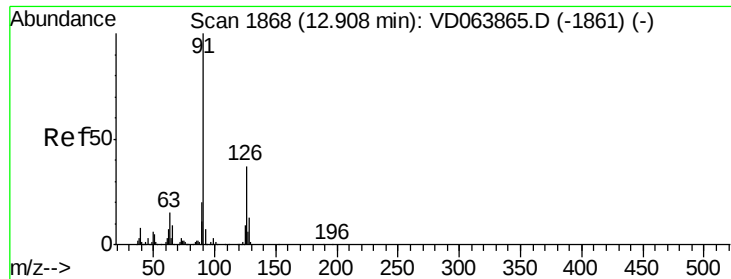
Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	12.0	36.0





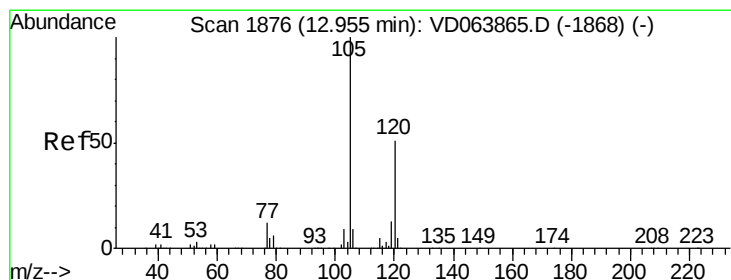
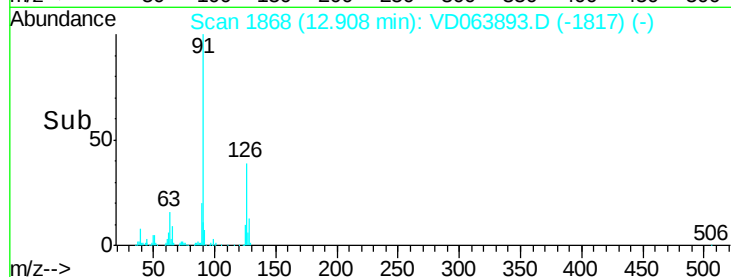
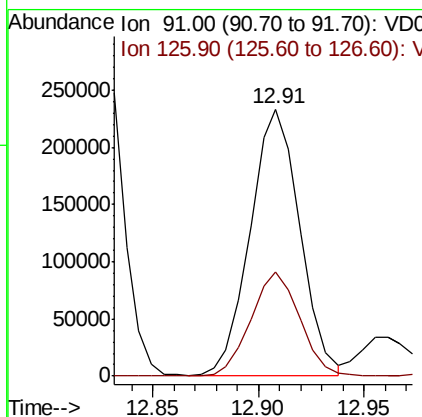
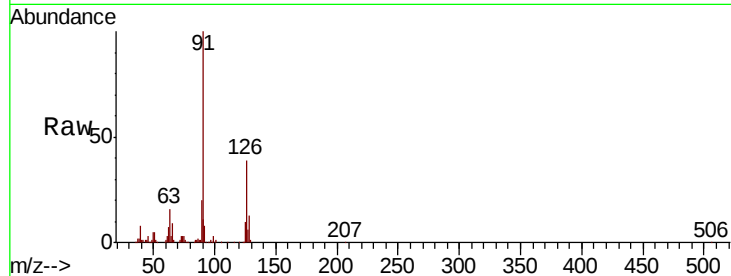
#79
2-Chlorotoluene
Concen: 51.832 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 380182
Ion Ratio Lower Upper
91 100
126 38.7 18.4 55.2

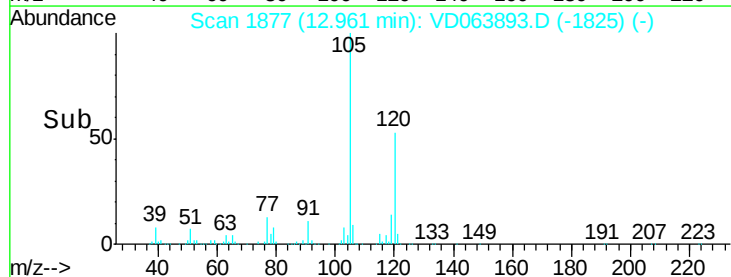
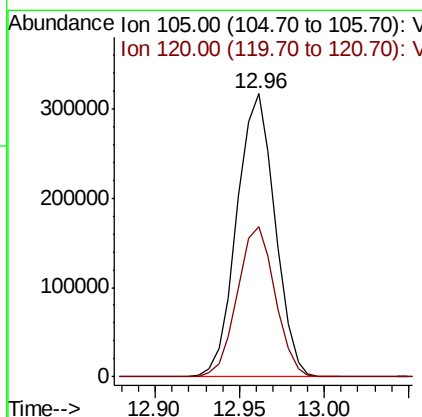
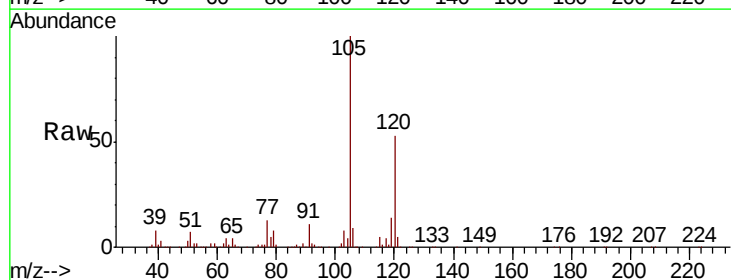
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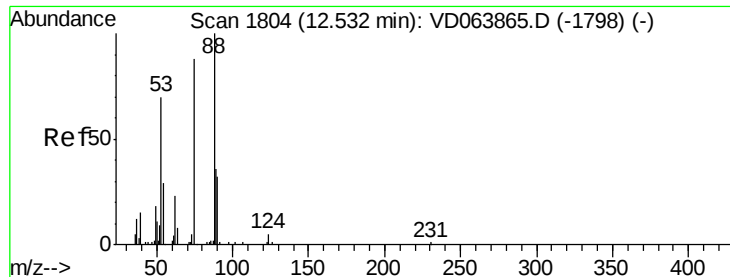
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 52.590 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion: 105 Resp: 497220
Ion Ratio Lower Upper
105 100
120 52.7 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.753 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 31745

Ion Ratio Lower Upper

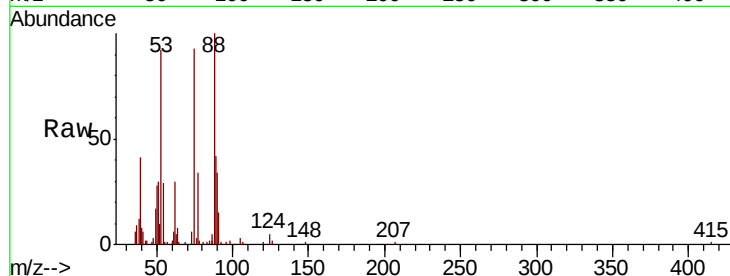
75 100

53 95.6 75.0 112.6

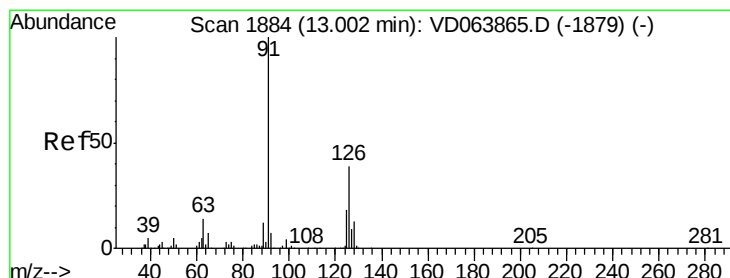
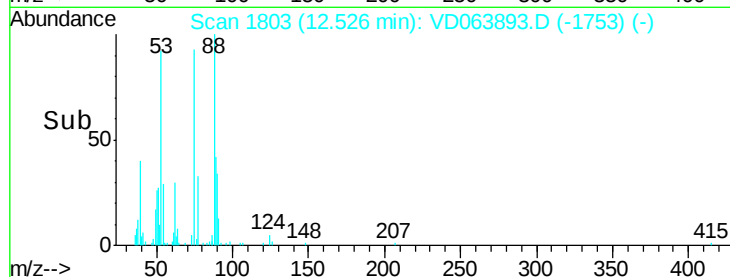
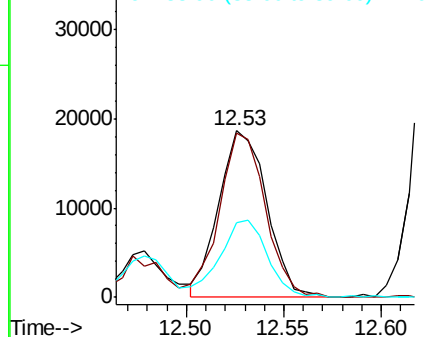
89 47.0 38.2 57.4

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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 51.212 ug/l

RT: 13.00 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VD063893.D

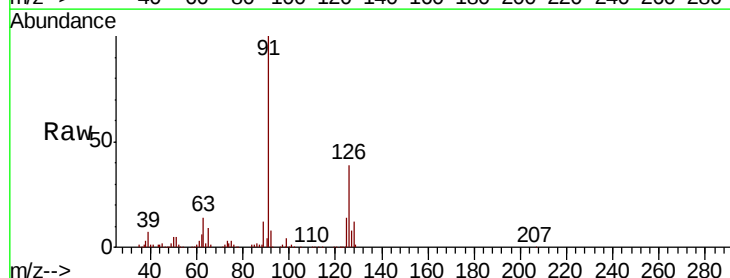
Acq: 07 Oct 2019 10:40

Tgt Ion: 91 Resp: 398475

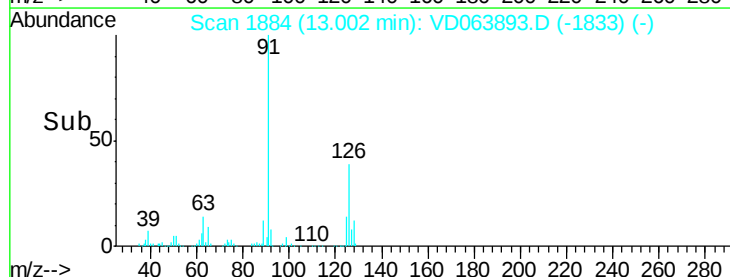
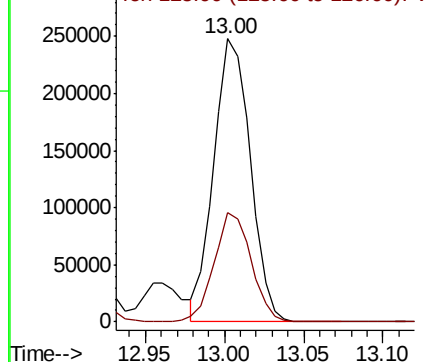
Ion Ratio Lower Upper

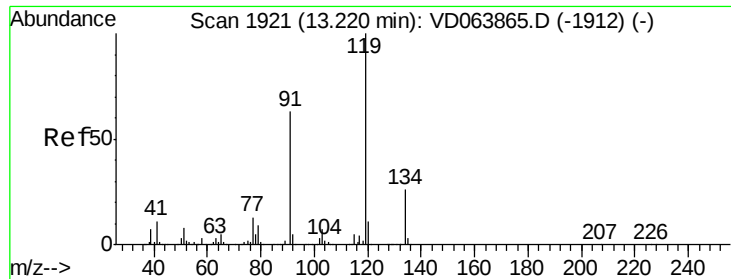
91 100

126 39.2 18.6 55.8



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





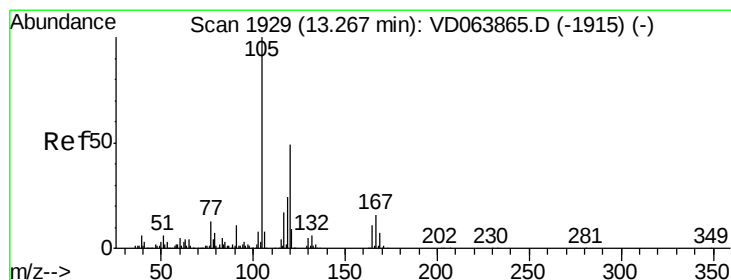
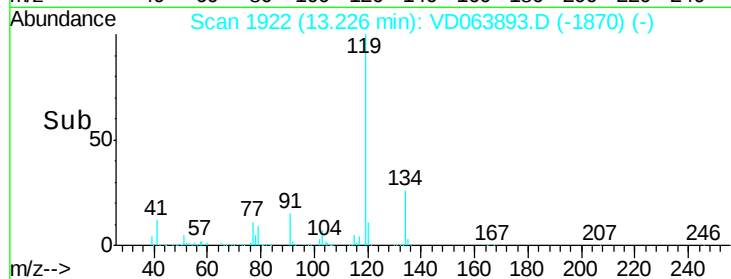
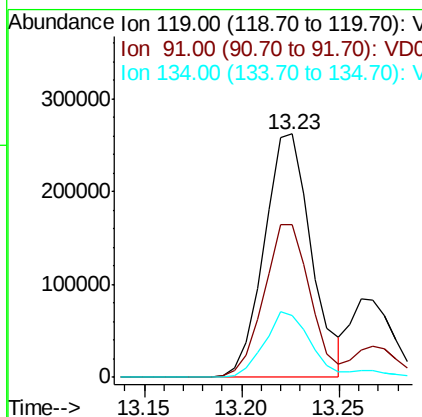
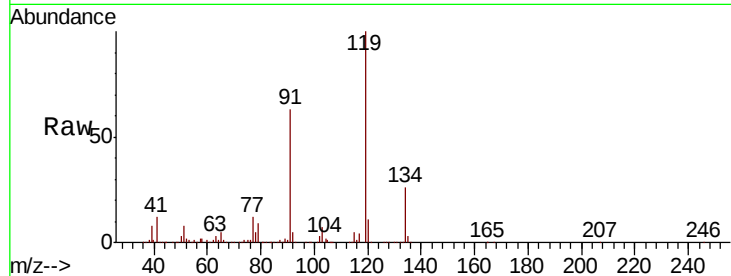
#83
tert-Butylbenzene
Concen: 52.330 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.4	30.0	90.0
134	26.2	13.0	38.9

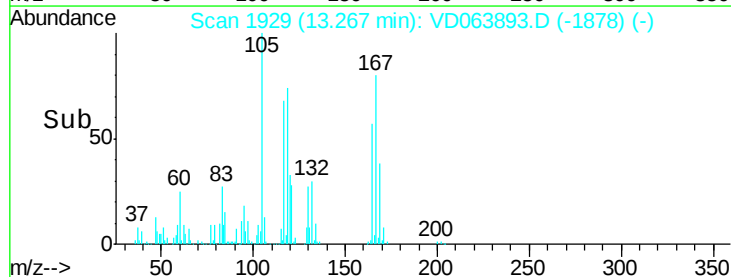
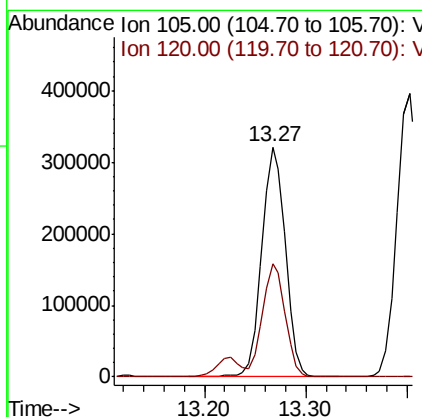
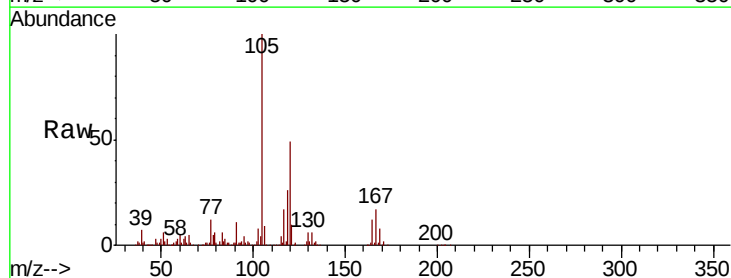
Manual Integrations
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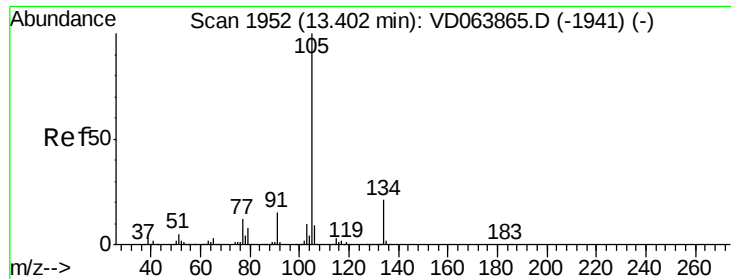
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#84
1,2,4-Trimethylbenzene
Concen: 53.108 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.5





#85

sec-Butylbenzene

Concen: 54.705 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 621635

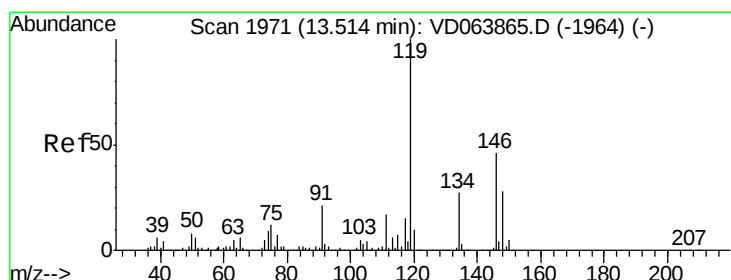
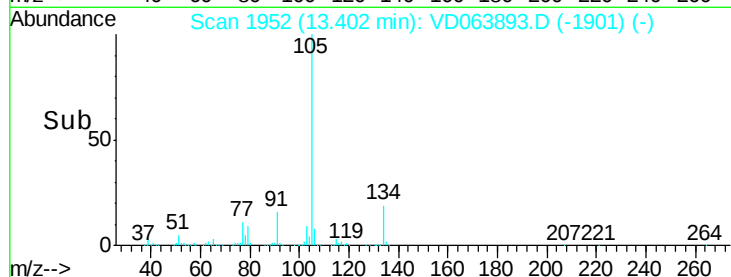
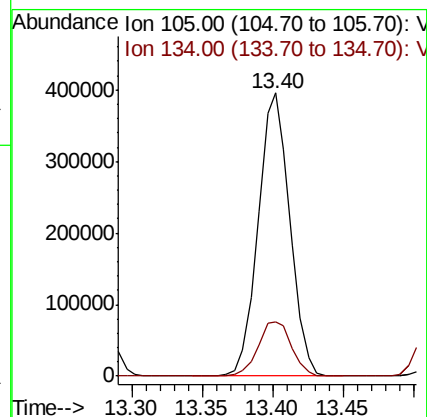
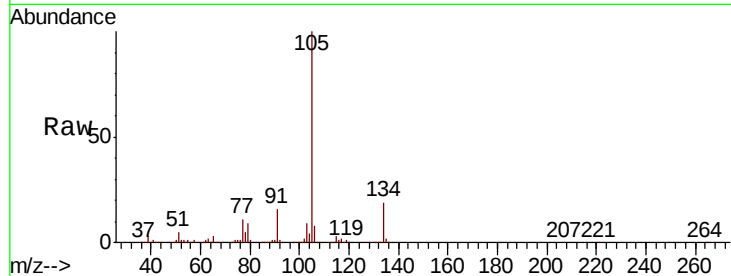
Ion Ratio Lower Upper

105 100

134 20.5 10.6 31.8

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 54.951 ug/l

RT: 13.51 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

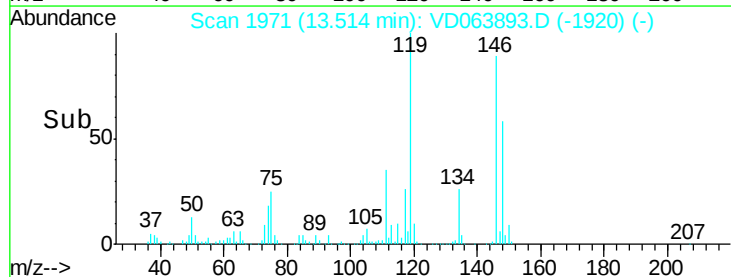
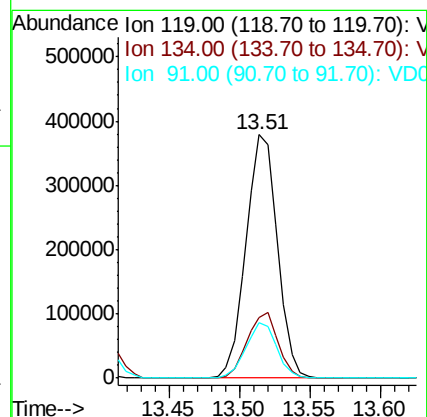
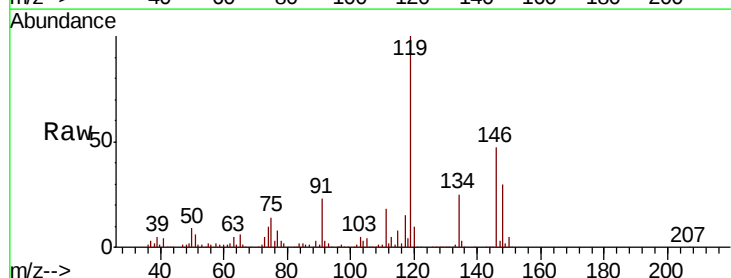
Tgt Ion:119 Resp: 590880

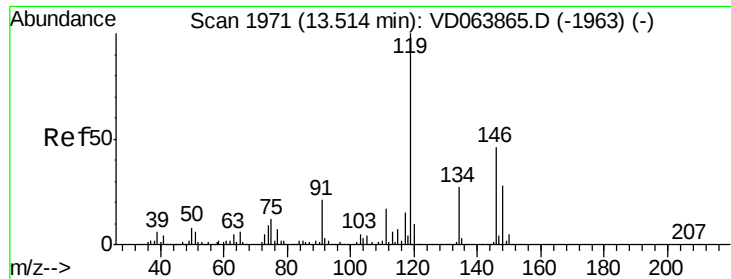
Ion Ratio Lower Upper

119 100

134 26.4 13.9 41.6

91 22.3 11.2 33.5





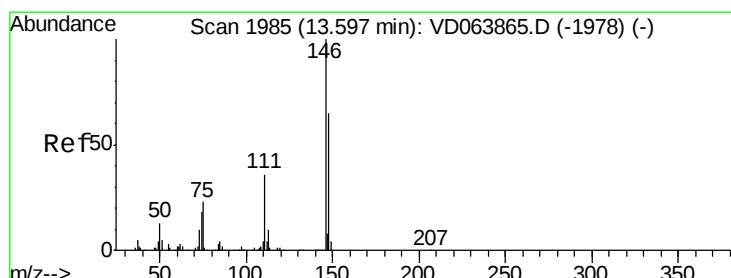
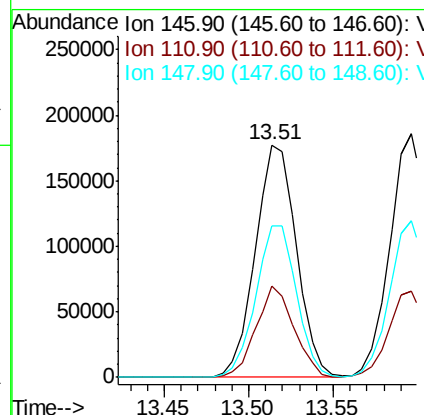
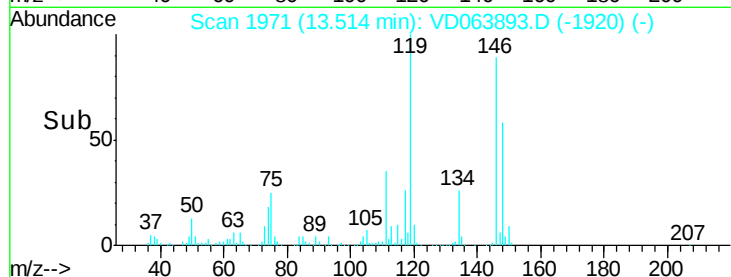
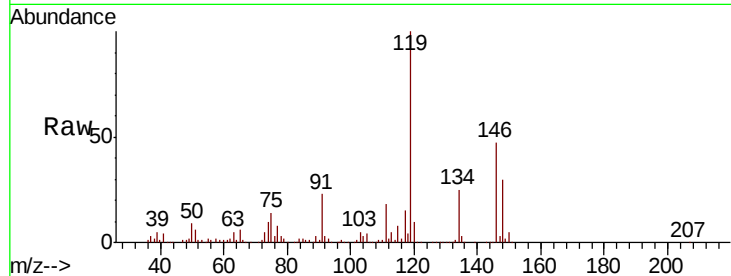
#87
 1,3-Dichlorobenzene
 Concen: 53.561 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	298810		
111	36.6	18.3	54.9	
148	64.8	31.8	95.4	

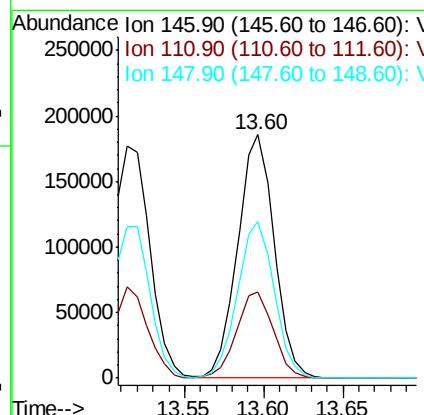
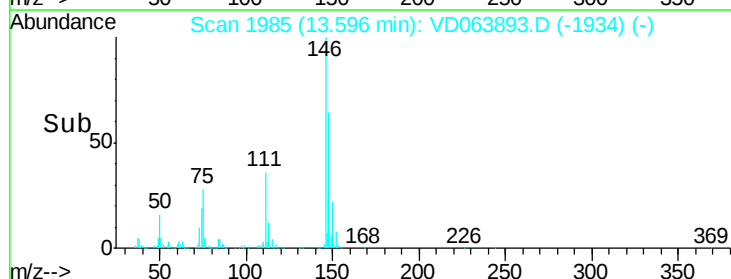
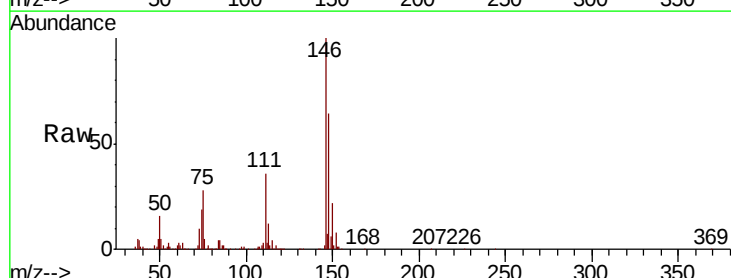
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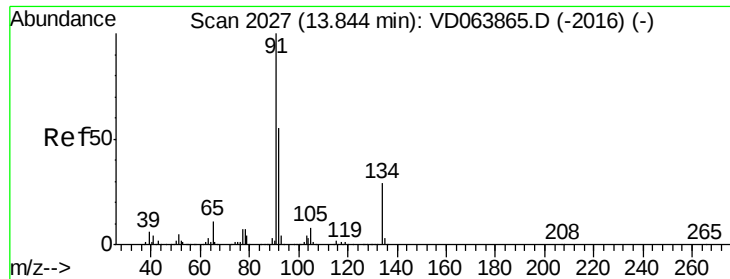
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#88
 1,4-Dichlorobenzene
 Concen: 54.214 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	298382		
111	35.4	18.6	56.0	
148	64.4	32.6	98.0	





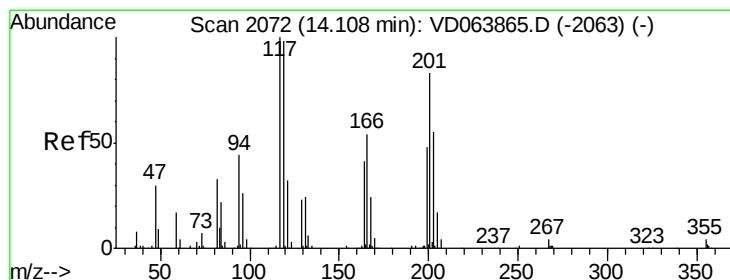
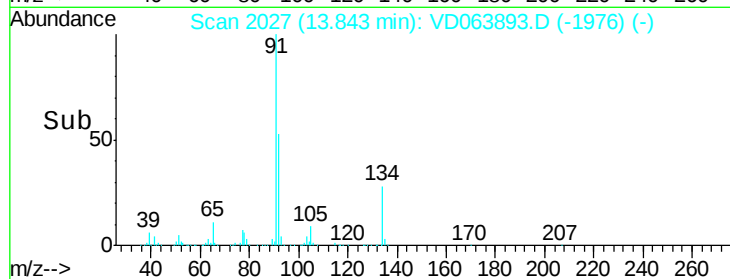
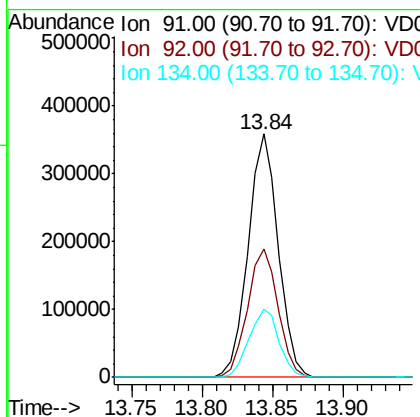
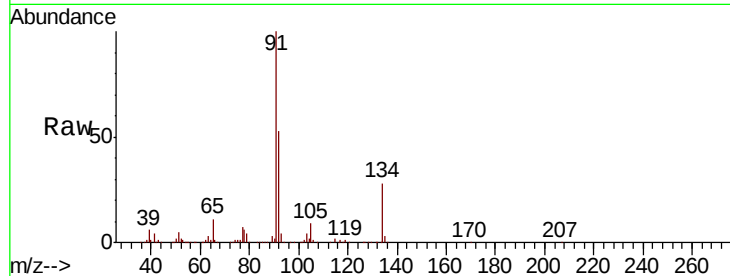
#89
n-Butylbenzene
Concen: 53.568 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.8	80.3
134	28.1	14.4	43.0

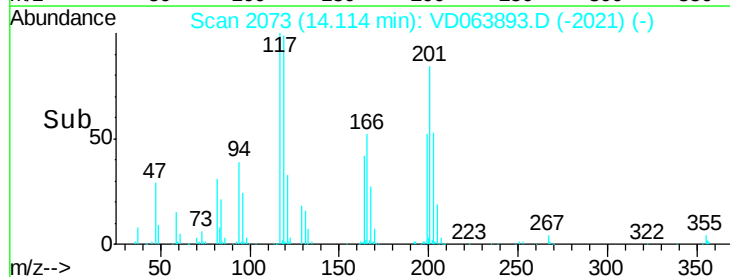
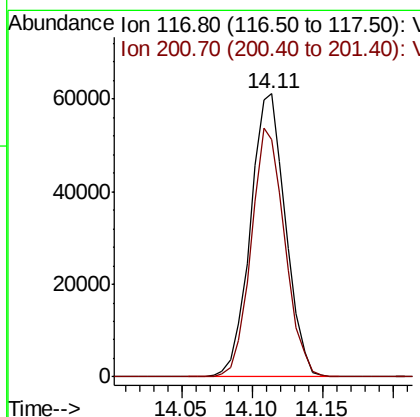
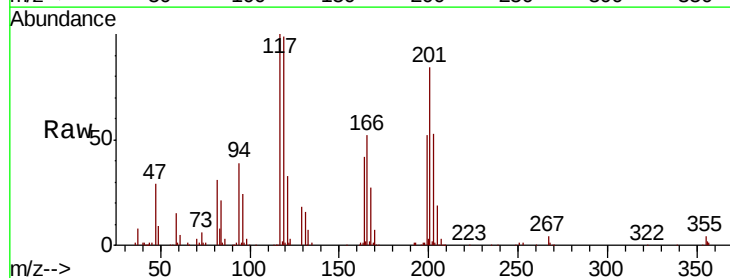
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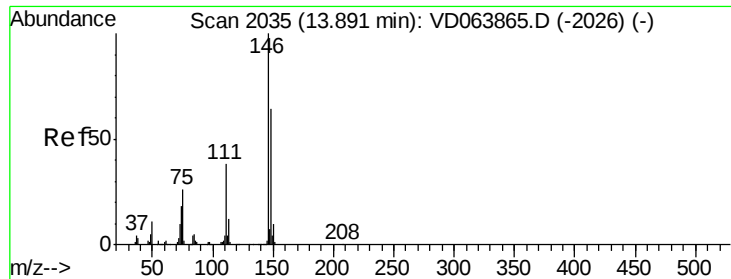
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#90
Hexachloroethane
Concen: 55.235 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063893.D
Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.1	40.6	121.7





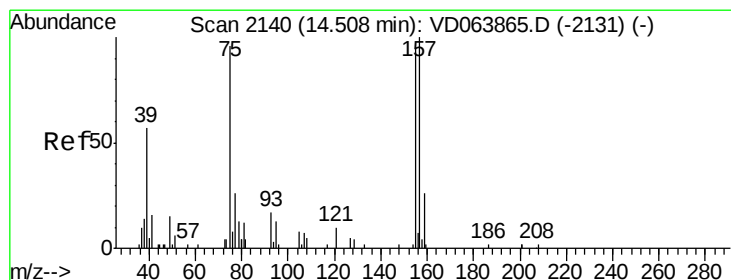
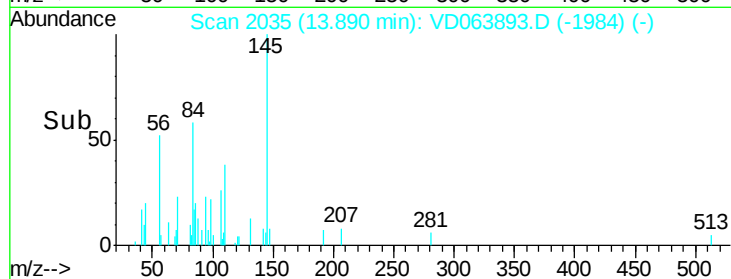
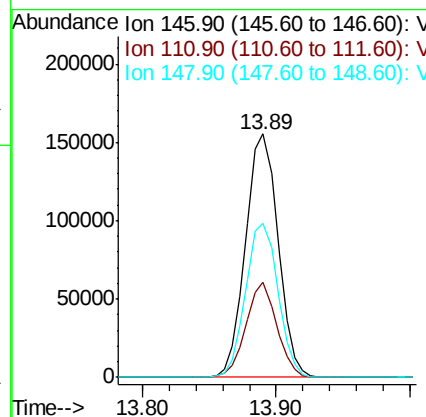
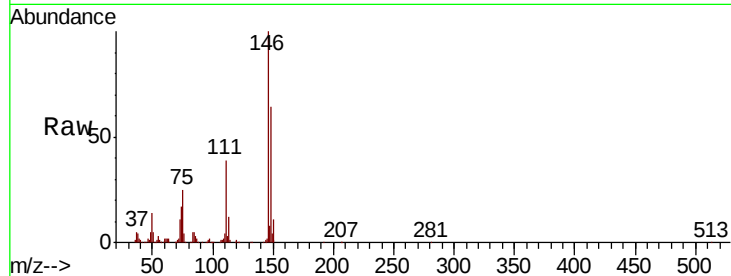
#91
 1,2-Dichlorobenzene
 Concen: 54.358 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	63.1	31.6	95.0

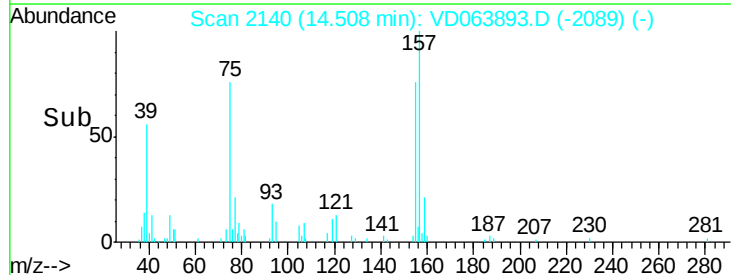
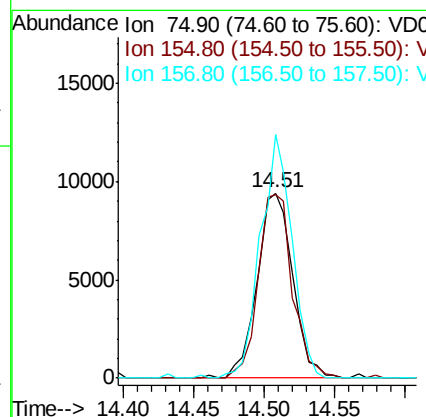
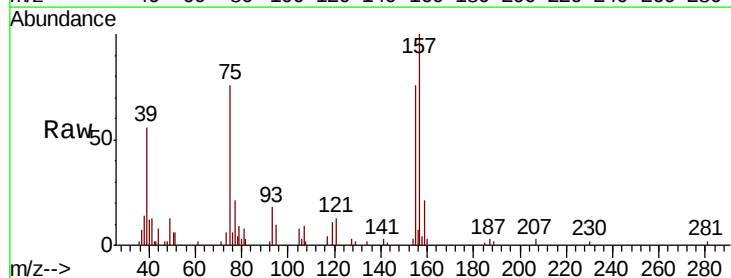
Manual Integrations
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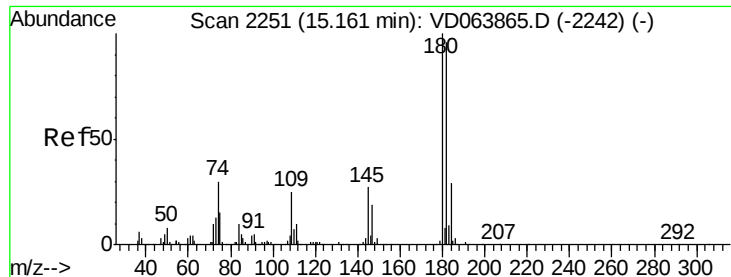
MMDadoda
 10/10/2019 1:45:54 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.860 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	43.9	131.6
157	116.7	56.0	167.9





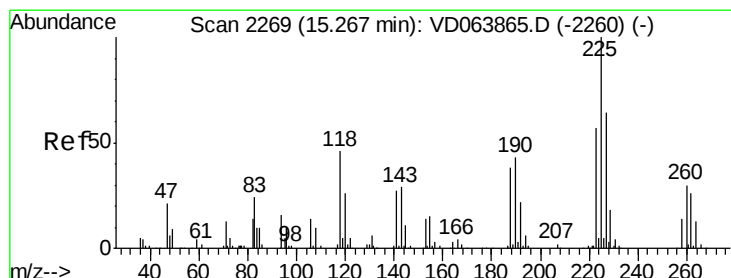
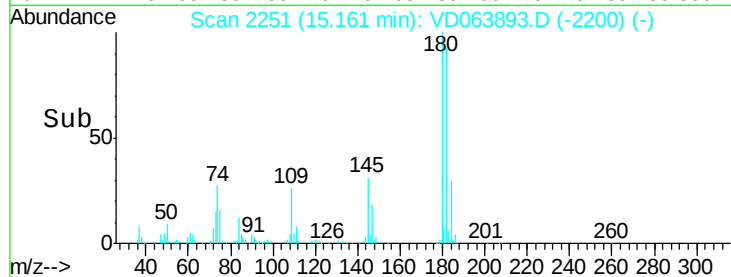
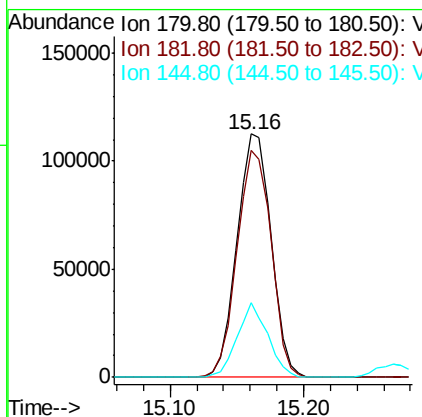
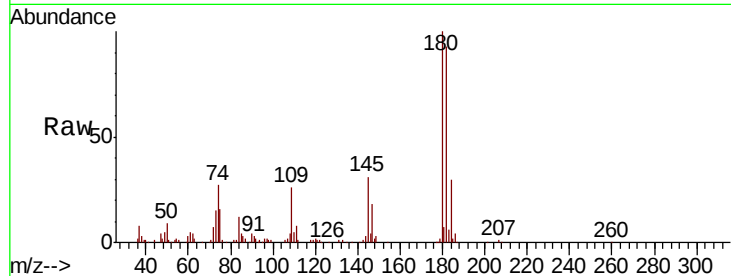
#93
 1,2,4-Trichlorobenzene
 Concen: 53.666 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	199088		
182	93.2	47.4	142.3	
145	27.7	13.9	41.7	

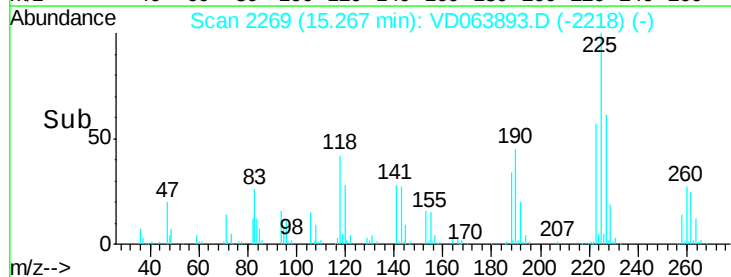
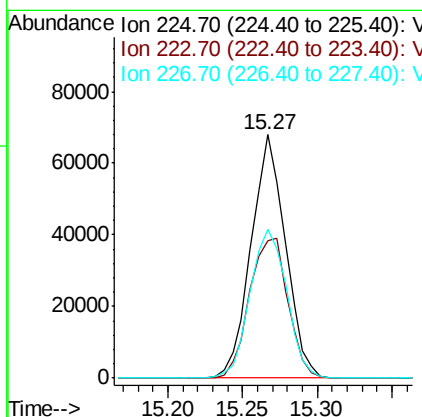
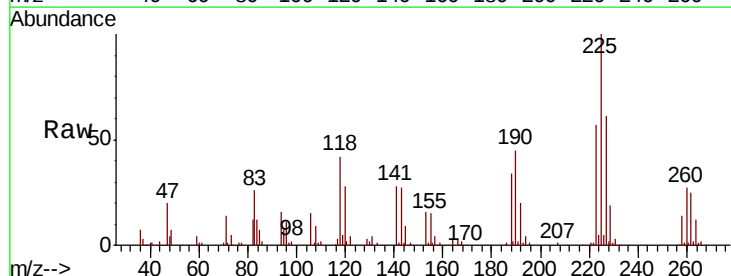
Manual Integrations
 APPROVED

MMDadoda
 10/10/2019 1:45:54 PM



#94
 Hexachlorobutadiene
 Concen: 52.812 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063893.D
 Acq: 07 Oct 2019 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108115		
223	64.6	29.5	88.6	
227	65.2	30.8	92.4	





#95

Naphthalene

Concen: 54.041 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Instrument :

MSVOA_D

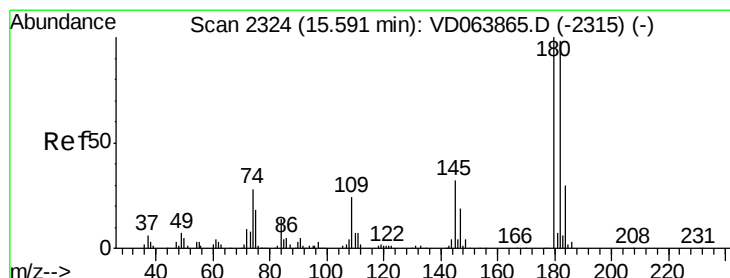
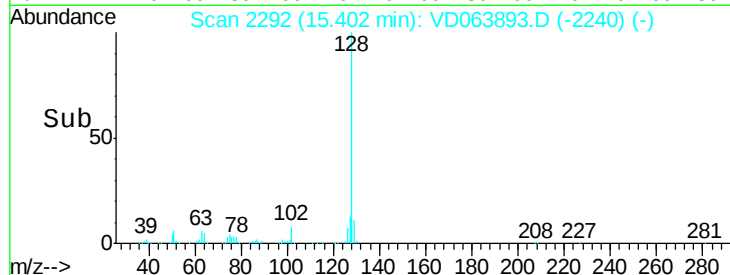
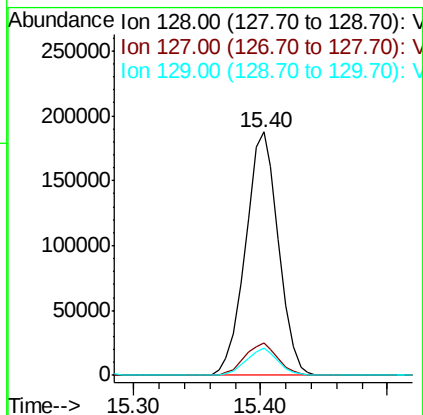
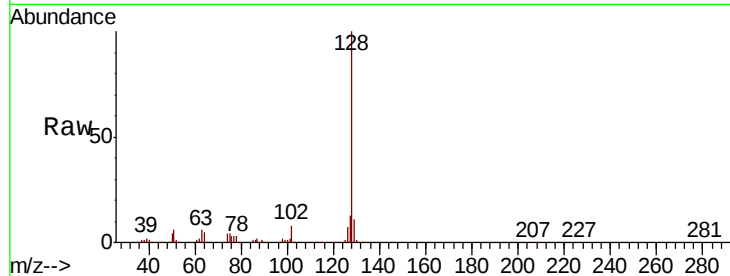
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	336954
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.6	16.0
129	10.7	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/10/2019 1:45:54 PM



#96

1,2,3-Trichlorobenzene

Concen: 54.314 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063893.D

Acq: 07 Oct 2019 10:40

Tgt Ion:	180	Resp:	173845
Ion Ratio	Lower	Upper	
180	100		
182	94.0	47.0	141.0
145	31.1	15.3	45.9

