

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
 Data File : VD063978.D
 Acq On : 15 Oct 2019 18:09
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:46 AM

Quant Time: Oct 16 03:46:56 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	189108	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	292838	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	299132	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	168474	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	92248	50.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.20%	
35) Dibromofluoromethane	7.92	113	92895	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	
50) Toluene-d8	10.34	98	396488	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
62) 4-Bromofluorobenzene	12.63	95	134306	53.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	54705	40.791	ug/l	93
3) Chloromethane	2.21	50	186855	51.732	ug/l	97
4) Vinyl Chloride	2.35	62	209497	48.332	ug/l	100
5) Bromomethane	2.77	94	127681	45.819	ug/l	91
6) Chloroethane	2.92	64	139123	48.533	ug/l	91
7) Trichlorofluoromethane	3.27	101	298515	52.089	ug/l	99
8) Diethyl Ether	3.70	74	40555	44.089	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	70917	44.705	ug/l	96
10) Methyl Iodide	4.30	142	94233	43.110	ug/l	99
11) Tert butyl alcohol	5.26	59	26645	206.936	ug/l	99
12) 1,1-Dichloroethene	4.06	96	69915	44.114	ug/l	94
13) Acrolein	3.92	56	30286	184.180	ug/l	89
14) Allyl chloride	4.71	41	121013	45.926	ug/l	98
15) Acrylonitrile	5.43	53	95967	236.638	ug/l	98
16) Acetone	4.17	43	97141	202.655	ug/l	98
17) Carbon Disulfide	4.40	76	238426	41.385	ug/l	98
18) Methyl Acetate	4.73	43	48088	51.292	ug/l	93
19) Methyl tert-butyl Ether	5.48	73	187735	45.744	ug/l	97
20) Methylene Chloride	4.97	84	113677	53.668	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	91353	46.302	ug/l	95
22) Diisopropyl ether	6.37	45	263588	48.981	ug/l	98
23) Vinyl Acetate	6.31	43	768998	240.211	ug/l	99
24) 1,1-Dichloroethane	6.27	63	162653	49.070	ug/l	96
25) 2-Butanone	7.22	43	125817	221.481	ug/l	98
26) 2,2-Dichloropropane	7.21	77	137970	46.013	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	110240	49.365	ug/l	96
28) Bromochloromethane	7.55	49	70230	55.515	ug/l	98
29) Tetrahydrofuran	7.58	42	78615	237.098	ug/l	97
30) Chloroform	7.72	83	173268	48.127	ug/l	98
31) Cyclohexane	7.98	56	146954	53.936	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	153949	49.849	ug/l	98
36) 1,1-Dichloropropene	8.11	75	136553	51.000	ug/l	98
37) Ethyl Acetate	7.30	43	52378	48.680	ug/l	98
38) Carbon Tetrachloride	8.10	117	138682	51.255	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168183	51.087	ug/l	95
40) Benzene	8.36	78	396417	51.665	ug/l	98
41) Methacrylonitrile	7.53	41	34715	55.923	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	112255	50.577	ug/l	98
43) Isopropyl Acetate	8.46	43	104503	46.540	ug/l	100
44) Trichloroethene	9.11	130	109598	49.534	ug/l	92
45) 1,2-Dichloropropane	9.39	63	95630	50.920	ug/l	92
46) Dibromomethane	9.48	93	52429	49.019	ug/l	96
47) Bromodichloromethane	9.67	83	137798	50.040	ug/l #	98
48) Methyl methacrylate	9.46	41	48255	44.852	ug/l	98
49) 1,4-Dioxane	9.47	88	14652	1003.586	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	281293	241.550	ug/l	97
52) Toluene	10.41	92	268362	50.949	ug/l	97
53) t-1,3-Dichloropropene	10.62	75	132127	49.170	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	159650	51.613	ug/l	92
55) 1,1,2-Trichloroethane	10.80	97	79725	52.791	ug/l	94
56) Ethyl methacrylate	10.67	69	92596	48.418	ug/l	96
57) 1,3-Dichloropropane	10.95	76	133061	51.497	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	226332	275.329	ug/l	98
59) 2-Hexanone	10.99	43	203892	242.040	ug/l	99
60) Dibromochloromethane	11.14	129	99801	50.760	ug/l	95
61) 1,2-Dibromoethane	11.25	107	75862	51.816	ug/l	98
64) Tetrachloroethene	10.88	164	101063	49.490	ug/l	97
65) Chlorobenzene	11.67	112	307984	51.267	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	114393	51.678	ug/l	96
67) Ethyl Benzene	11.75	91	546535	50.454	ug/l	99
68) m/p-Xylenes	11.86	106	441392	105.568	ug/l	97
69) o-Xylene	12.18	106	203451	50.817	ug/l	98
70) Styrene	12.20	104	353141	52.105	ug/l	99
71) Bromoform	12.36	173	62516	52.624	ug/l #	98
73) Isopropylbenzene	12.48	105	552747	48.805	ug/l	99
74) N-amyl acetate	12.29	43	107508	44.089	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	91766	46.563	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	59345m	52.593	ug/l	
77) Bromobenzene	12.76	156	136104	48.235	ug/l	99
78) n-propylbenzene	12.82	91	654030	49.198	ug/l	100
79) 2-Chlorotoluene	12.91	91	347879	47.458	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	467392	49.466	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27979	43.878	ug/l	96
82) 4-Chlorotoluene	13.01	91	371371	47.759	ug/l	99
83) tert-Butylbenzene	13.23	119	408067	48.527	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	478136	49.085	ug/l	99
85) sec-Butylbenzene	13.40	105	570495	50.236	ug/l	100
86) p-Isopropyltoluene	13.52	119	549014	51.090	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	283229	50.800	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	273653	49.752	ug/l	97
89) n-Butylbenzene	13.85	91	503802	50.366	ug/l	99
90) Hexachloroethane	14.11	117	98820	51.129	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	236059	49.130	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13406	43.459	ug/l	80

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	177980	48.007	ug/l	98
94) Hexachlorobutadiene	15.27	225	101086	49.410	ug/l	96
95) Naphthalene	15.40	128	306013	49.109	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	153729	48.060	ug/l	98

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

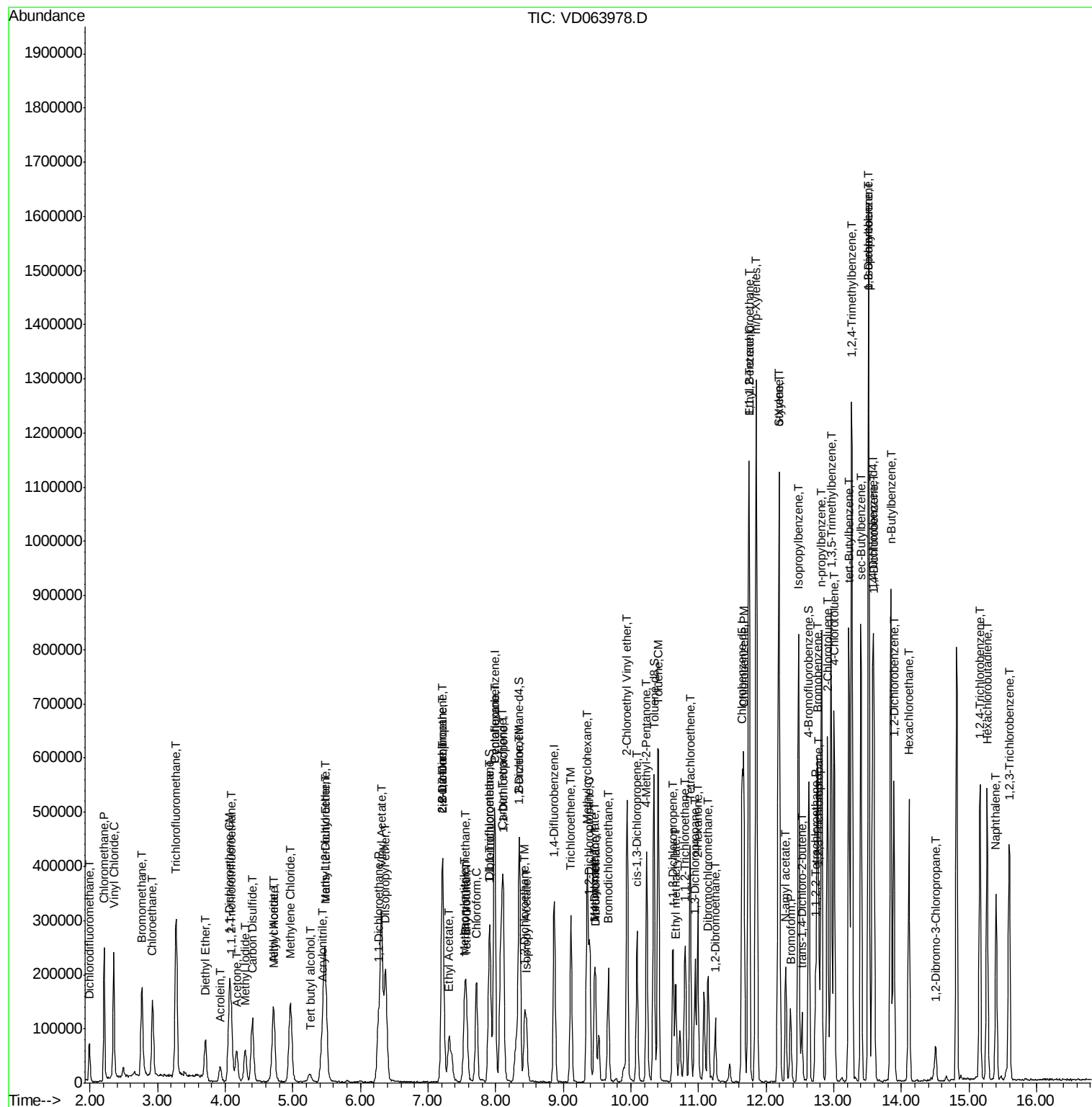
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101519\
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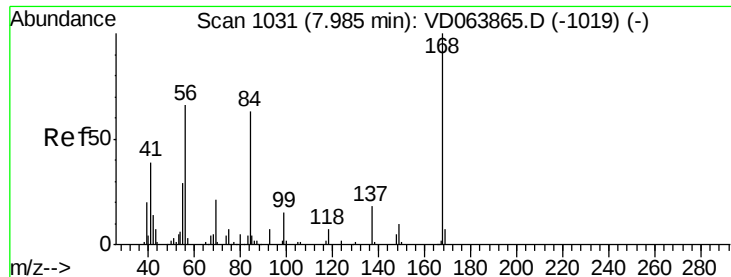
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 189108

Ion Ratio Lower Upper

168 100

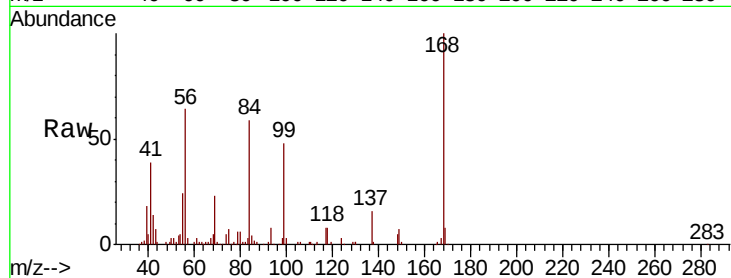
99 47.6 43.0 64.4

Manual Integrations

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10/18/2019 12:41:46 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

100000

80000

60000

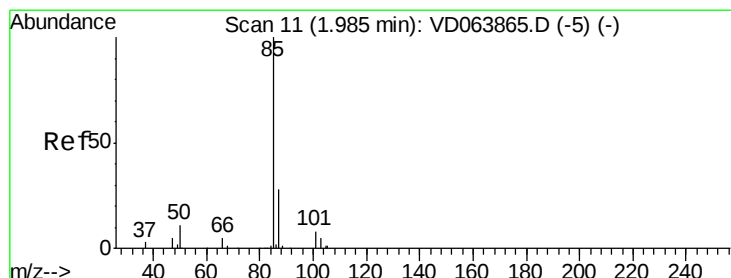
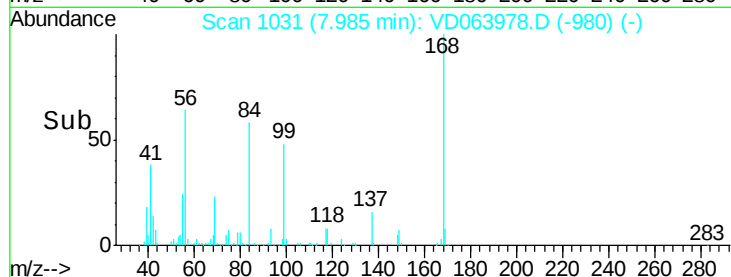
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.791 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063978.D

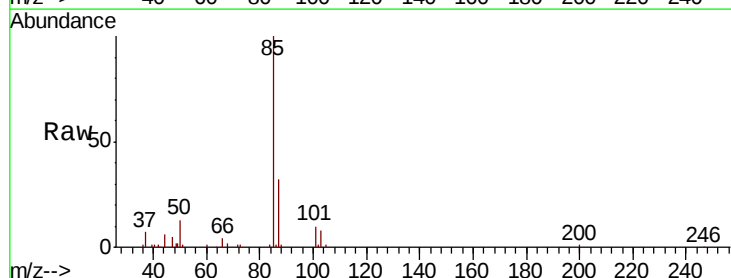
Acq: 15 Oct 2019 18:09

Tgt Ion: 85 Resp: 54705

Ion Ratio Lower Upper

85 100

87 31.6 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

40000

30000

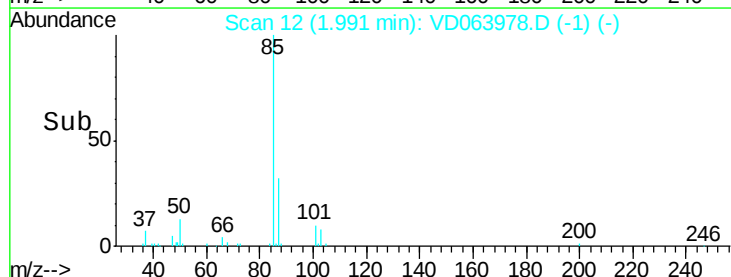
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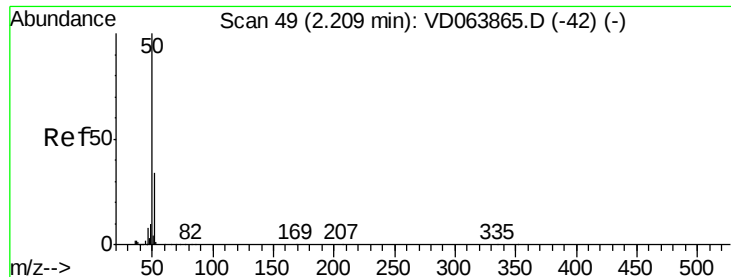
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 51.732 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 186855

Ion Ratio Lower Upper

50 100

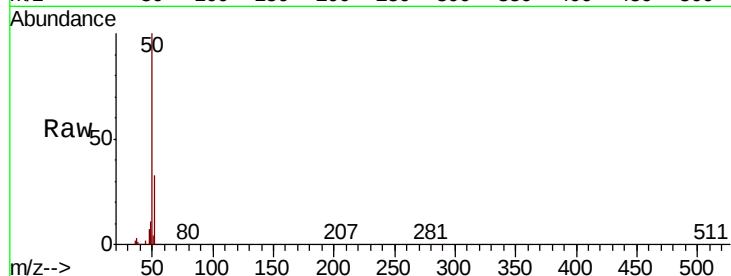
52 32.6 27.5 41.3

Manual Integrations

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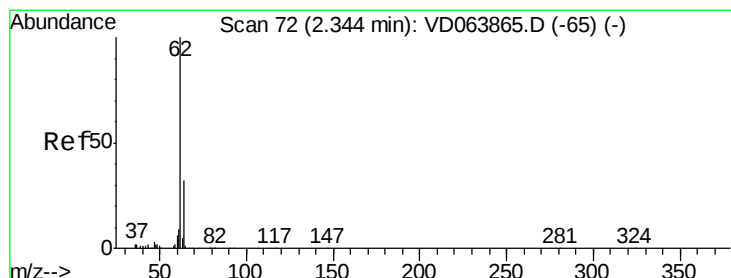
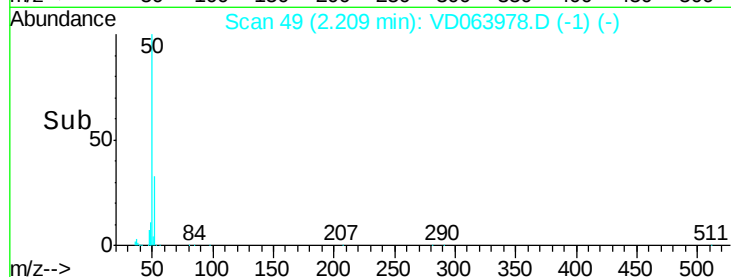
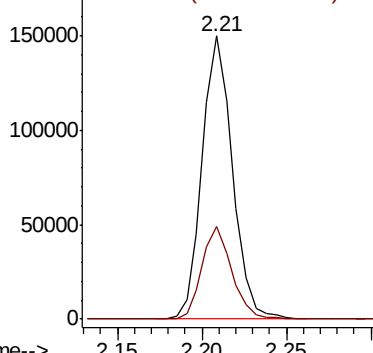
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.332 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063978.D

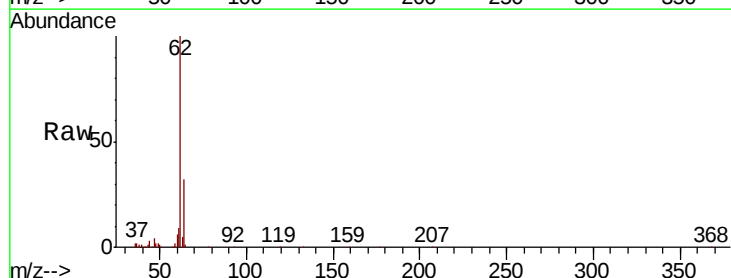
Acq: 15 Oct 2019 18:09

Tgt Ion: 62 Resp: 209497

Ion Ratio Lower Upper

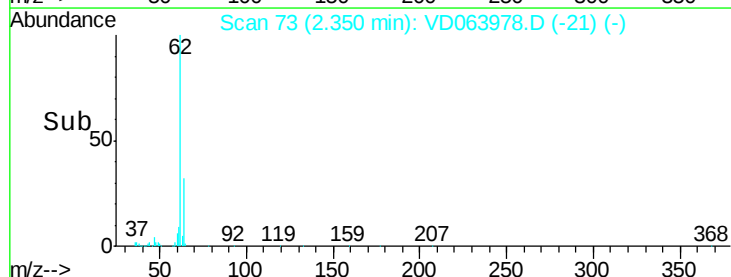
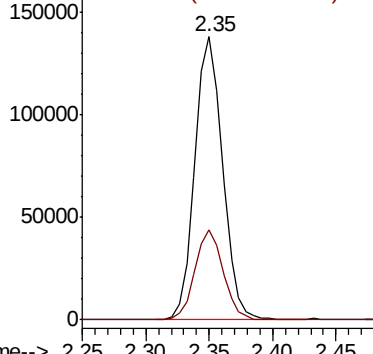
62 100

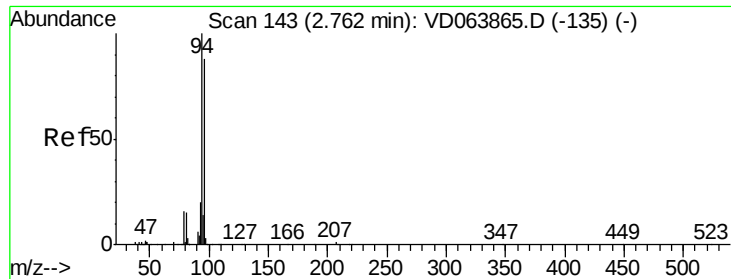
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.819 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

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Tot Ion: 94 Resp: 127681

Ion Ratio Lower Upper

94 100

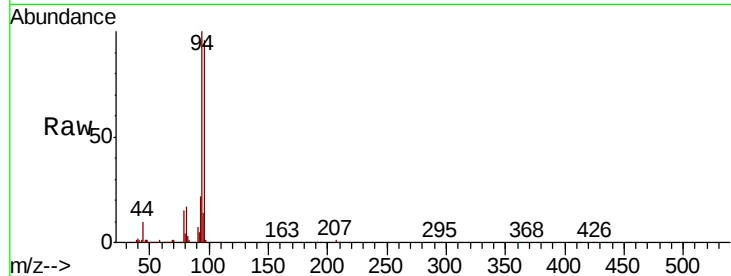
96 96.4 70.8 106.2

Manual Integrations

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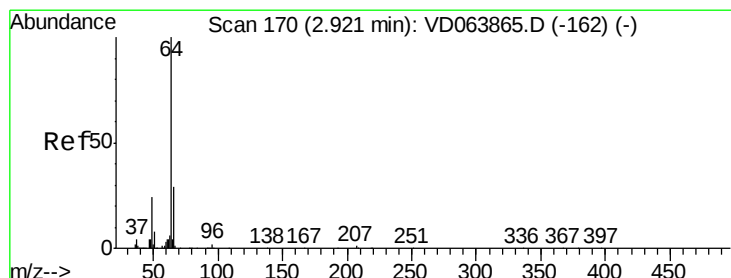
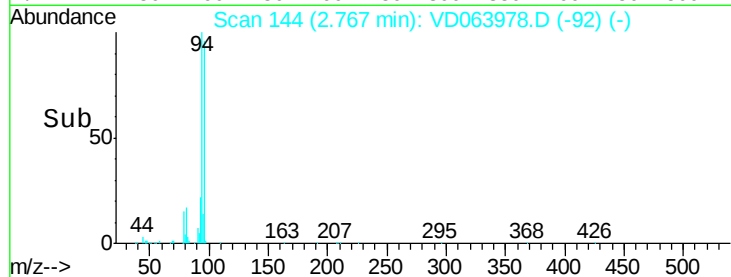
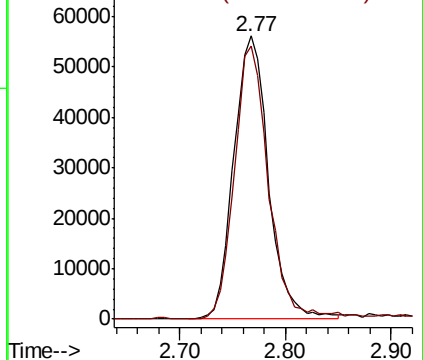
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.533 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063978.D

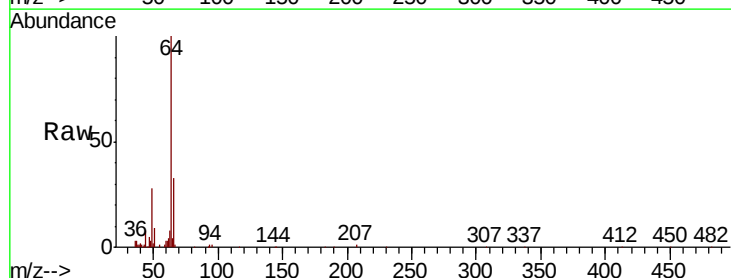
Acq: 15 Oct 2019 18:09

Tgt Ion: 64 Resp: 139123

Ion Ratio Lower Upper

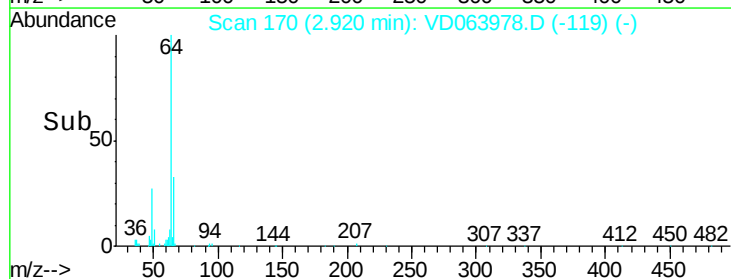
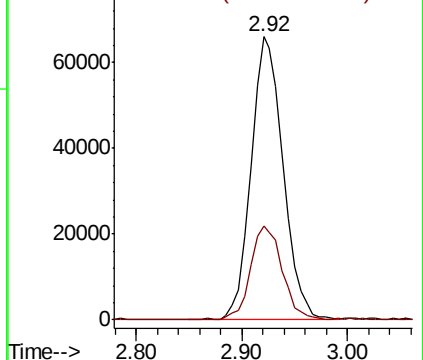
64 100

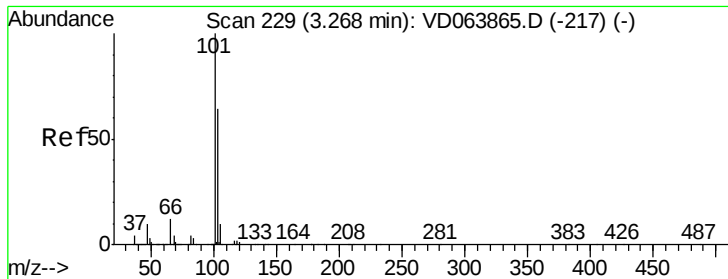
66 33.2 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 52.089 ug/l

RT: 3.27 min Scan# 230

Delta R.T. 0.01 min

Lab File: VD063978.D

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Tot Ion:101 Resp: 298515

Ion Ratio Lower Upper

101 100

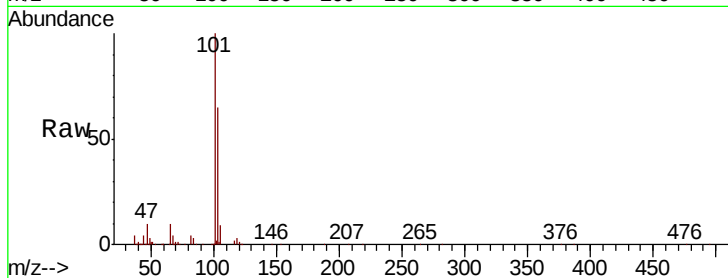
103 64.9 51.1 76.7

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

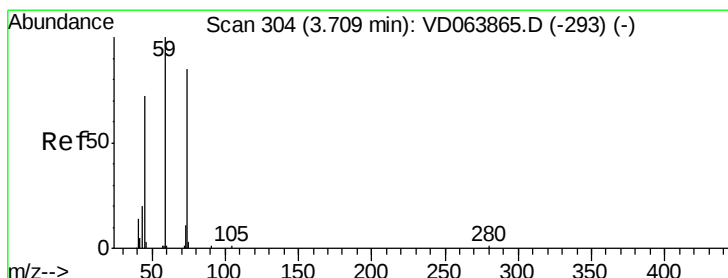
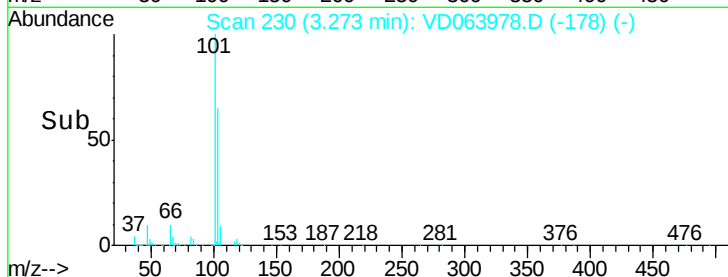
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100000

50000

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Time-->



#8

Diethyl Ether

Concen: 44.089 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD063978.D

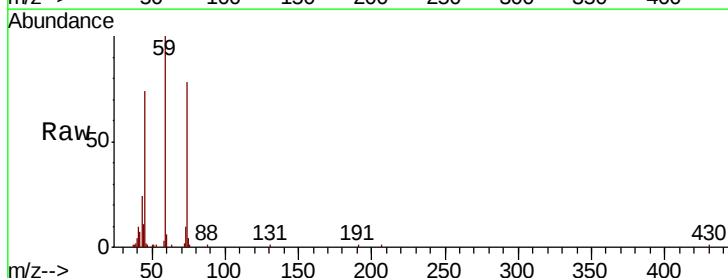
Acq: 15 Oct 2019 18:09

Tgt Ion: 74 Resp: 40555

Ion Ratio Lower Upper

74 100

45 101.4 48.1 144.4



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

20000

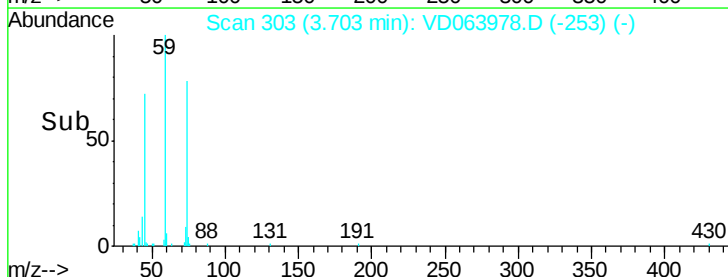
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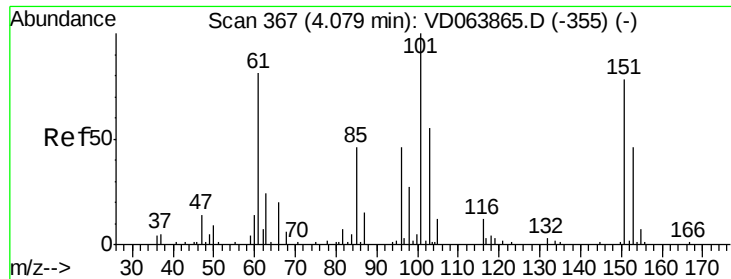
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5000

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Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 44.705 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

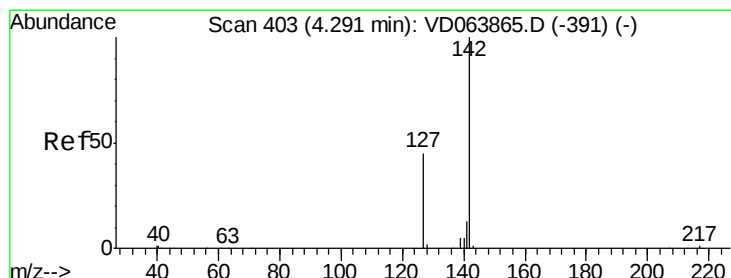
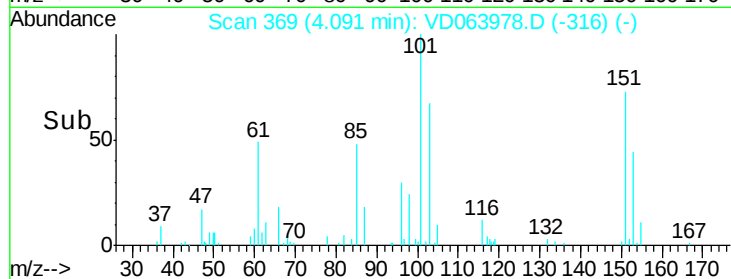
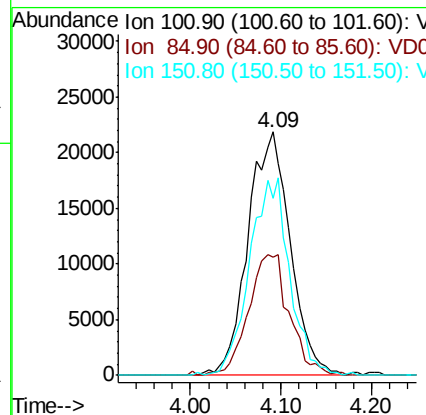
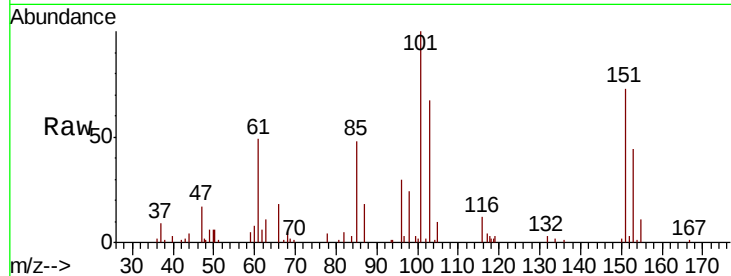
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	70917
Ion Ratio	Lower	Upper	
101	100		
85	47.9	37.5	56.3
151	76.7	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 43.110 ug/l

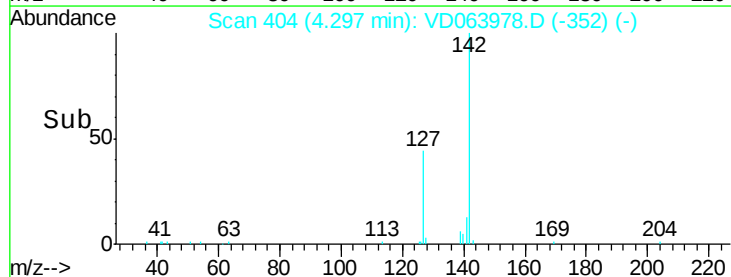
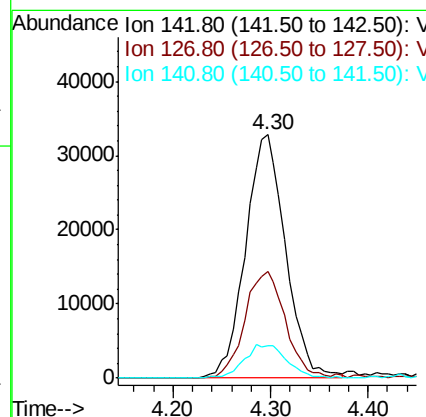
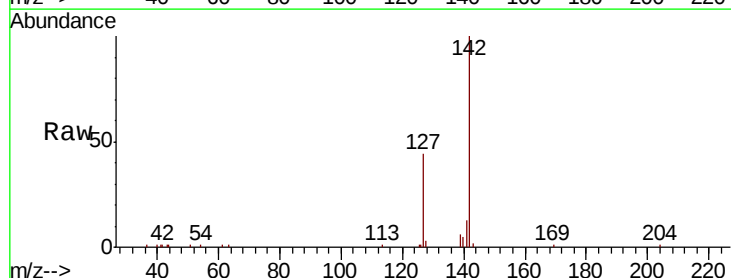
RT: 4.30 min Scan# 404

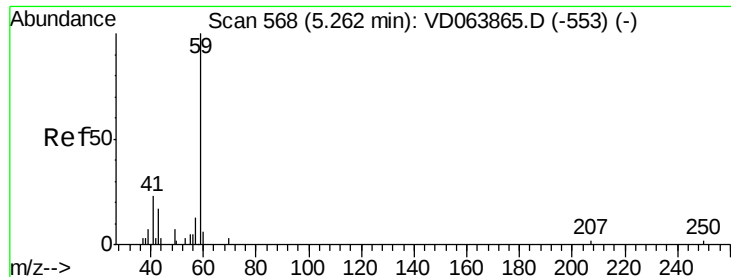
Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	142	Resp:	94233
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.3	52.9
141	14.6	12.2	18.2





#11

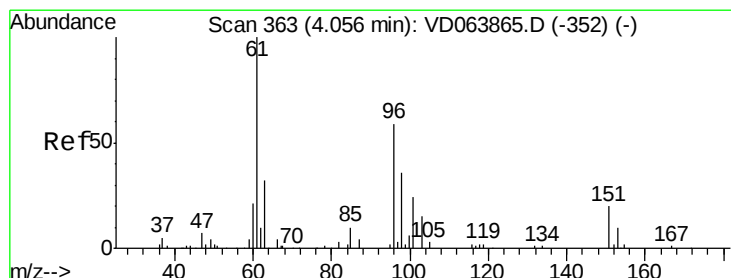
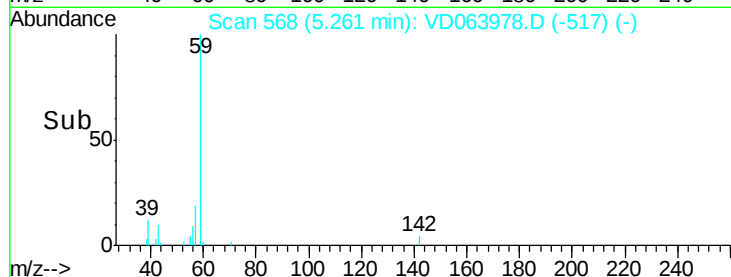
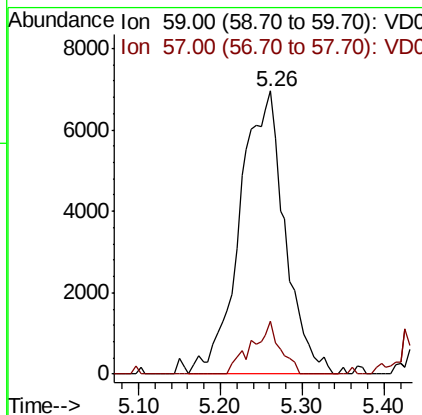
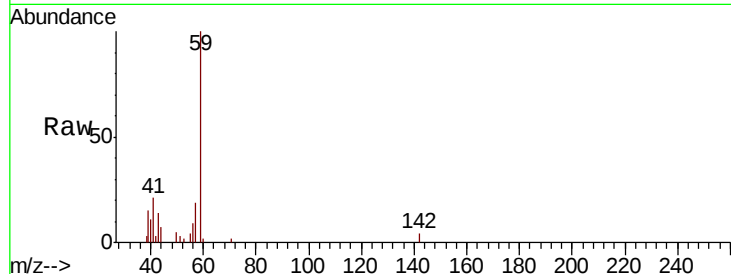
Tert butyl alcohol
 Concen: 206.936 ug/l
 RT: 5.26 min Scan# 568
 Delta R.T. 0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.5	8.8	13.2

Manual Integrations
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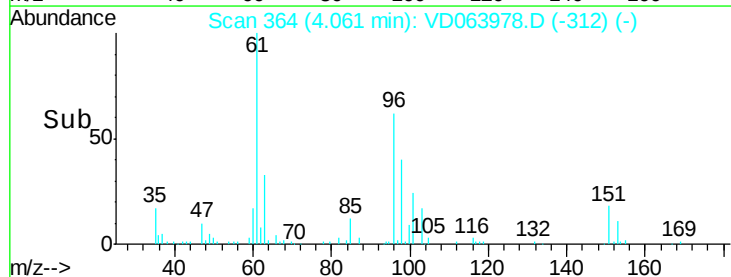
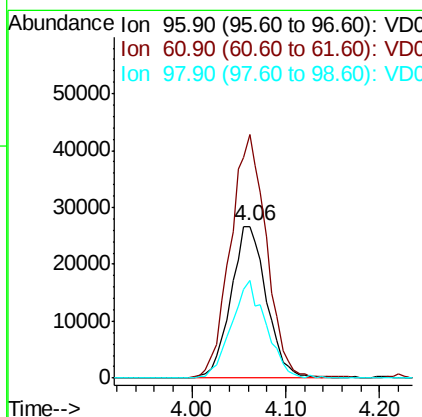
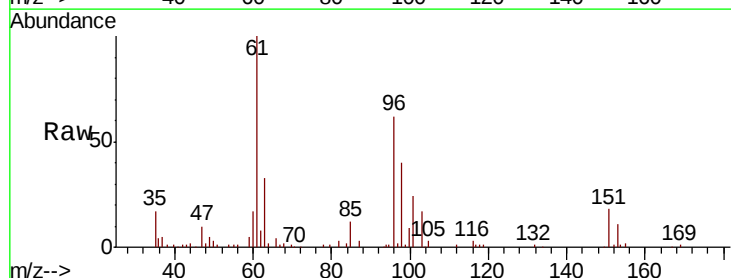
MMDadoda
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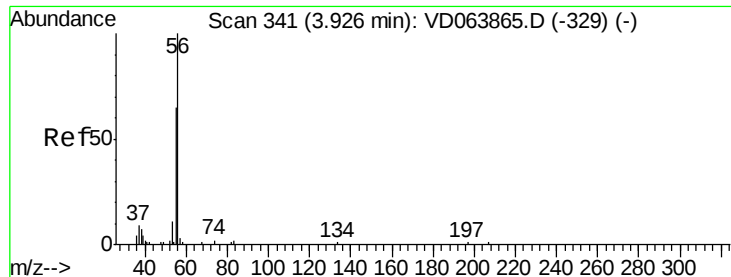


#12

1,1-Dichloroethene
 Concen: 44.114 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.7	135.6	203.4
98	64.3	49.2	73.8





#13

Acrolein

Concen: 184.180 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 30286

Ion Ratio Lower Upper

56 100

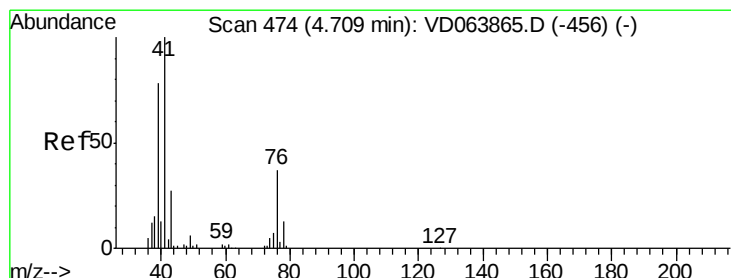
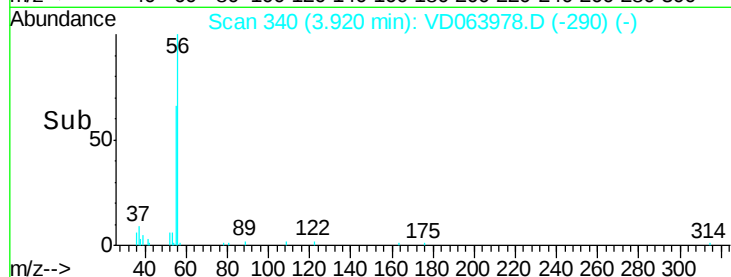
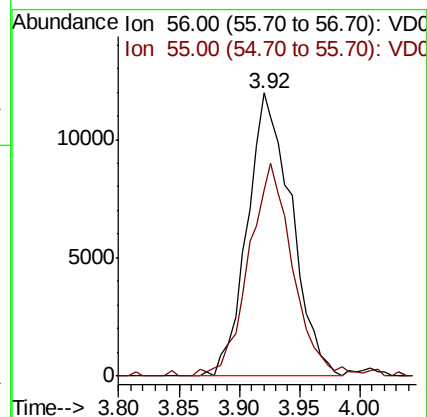
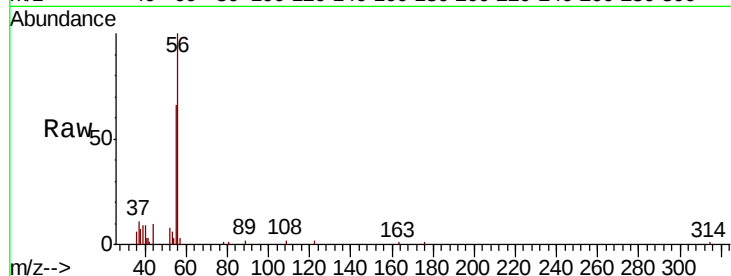
55 75.4 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.926 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

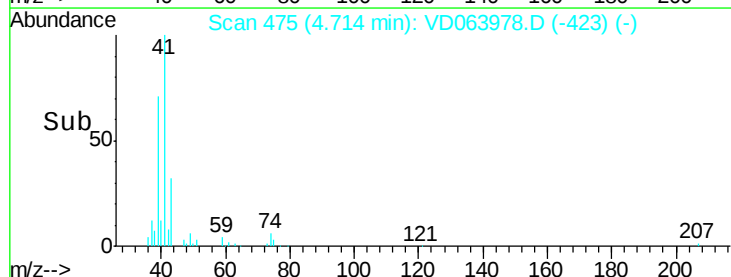
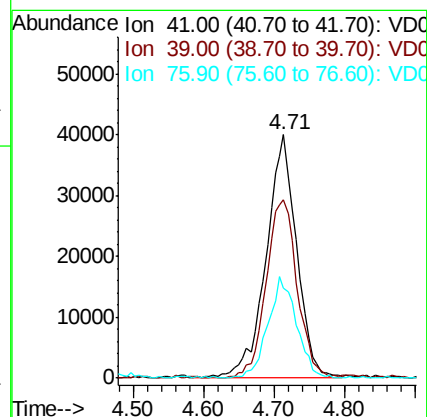
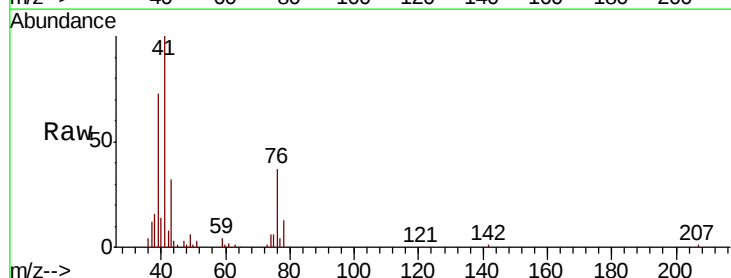
Tgt Ion: 41 Resp: 121013

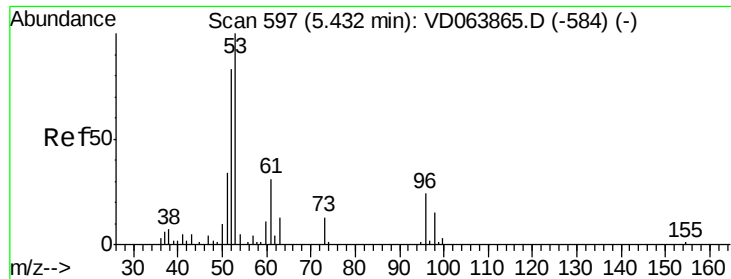
Ion Ratio Lower Upper

41 100

39 74.6 61.8 92.6

76 38.8 31.3 46.9





#15

Acrylonitrile

Concen: 236.638 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

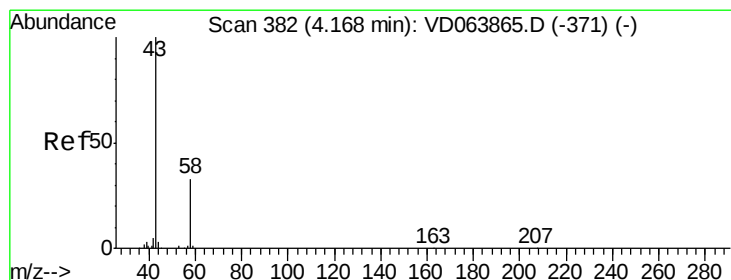
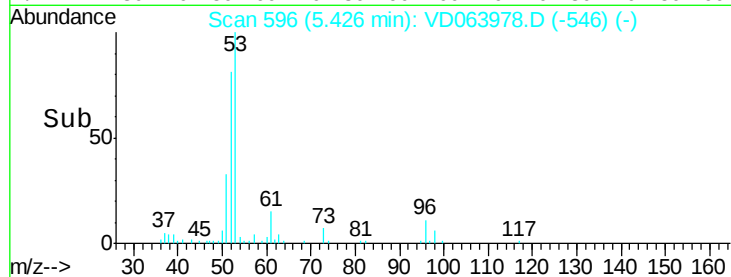
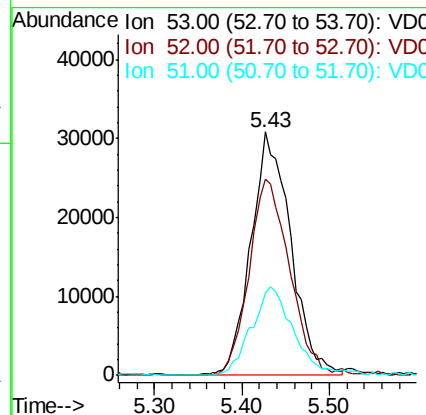
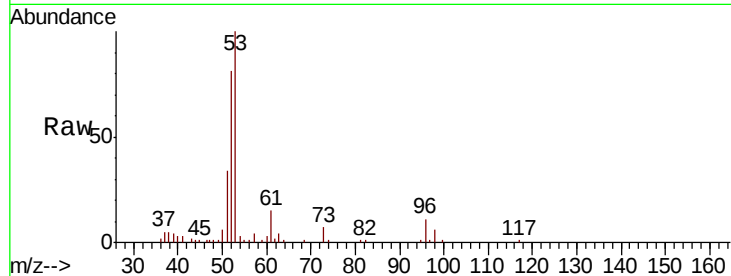
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	95967
Ion Ratio	Lower	Upper	
53	100		
52	81.6	67.3	100.9
51	37.8	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 202.655 ug/l

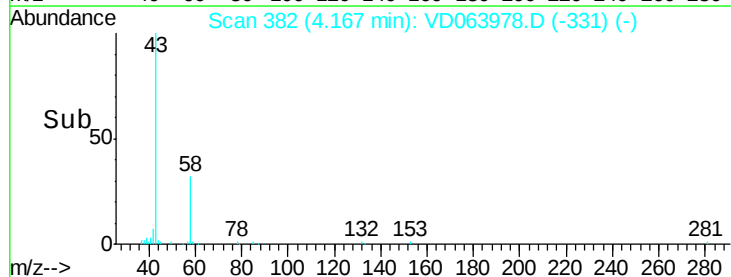
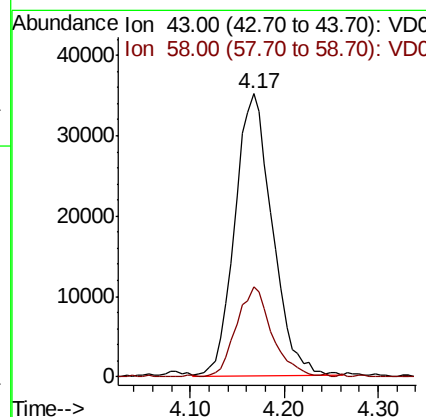
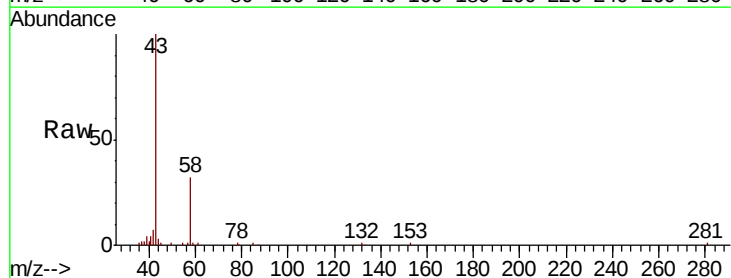
RT: 4.17 min Scan# 382

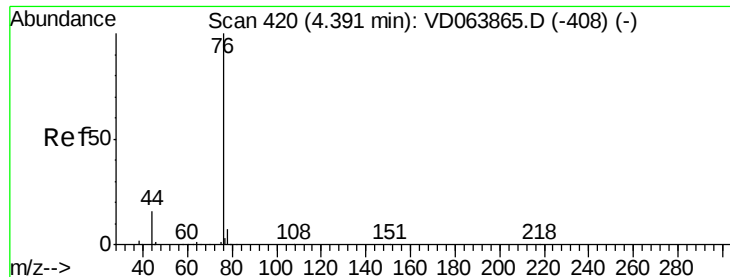
Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	43	Resp:	97141
Ion Ratio	Lower	Upper	
43	100		
58	31.4	26.2	39.4





#17

Carbon Disulfide

Concen: 41.385 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 238426

Ion Ratio Lower Upper

76 100

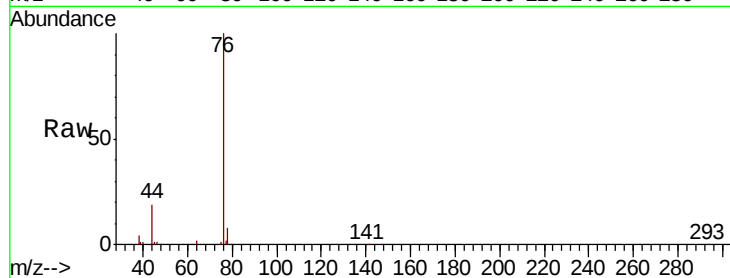
78 7.9 5.8 8.8

Manual Integrations

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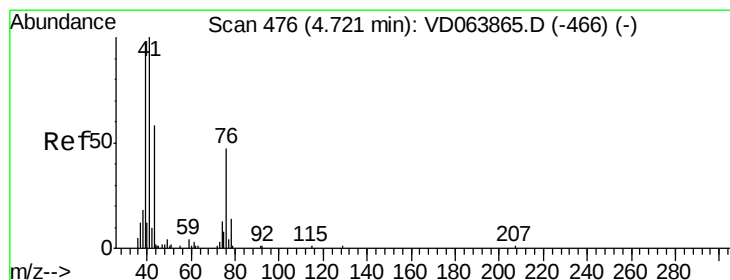
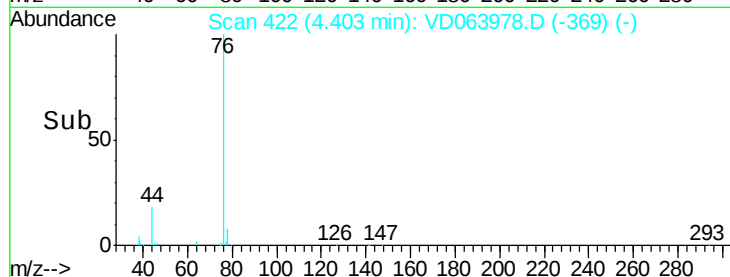
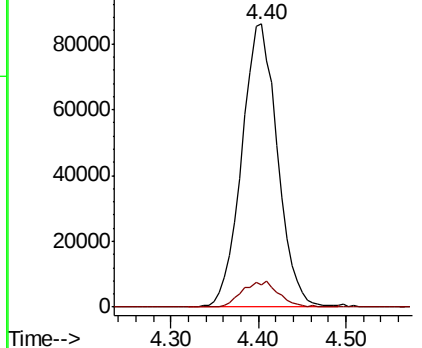
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 51.292 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD063978.D

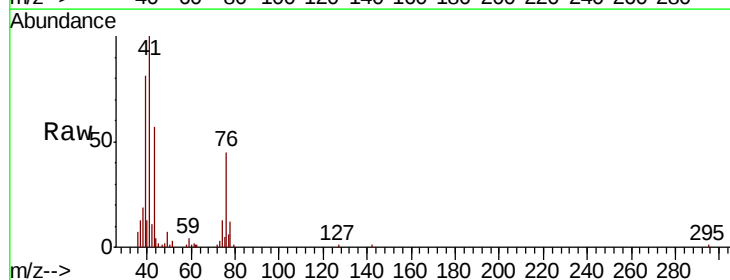
Acq: 15 Oct 2019 18:09

Tgt Ion: 43 Resp: 48088

Ion Ratio Lower Upper

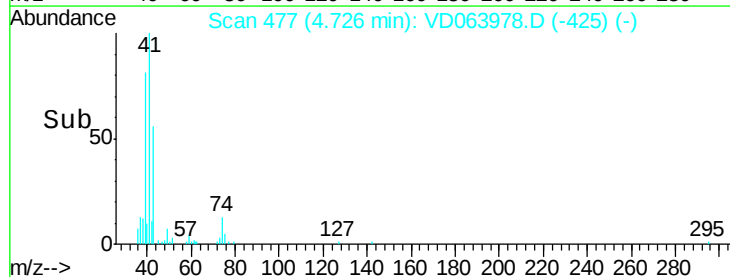
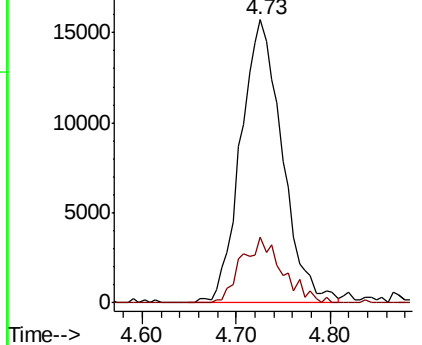
43 100

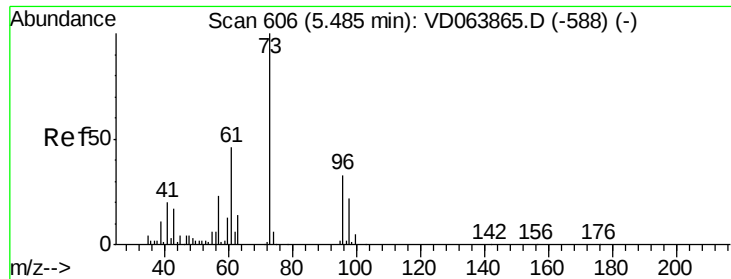
74 22.6 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

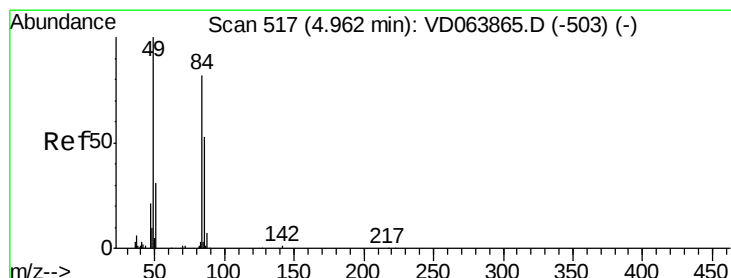
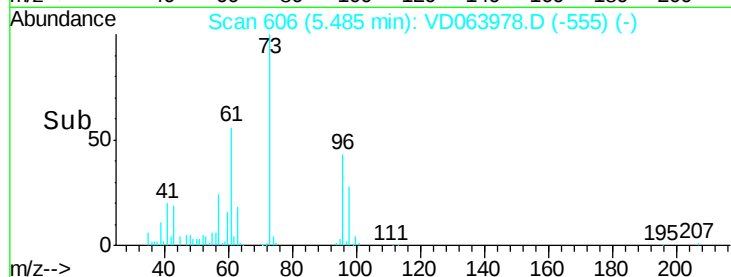
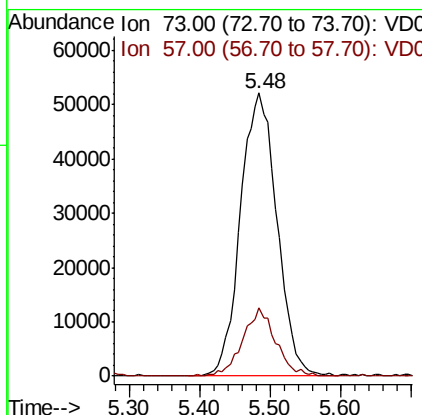
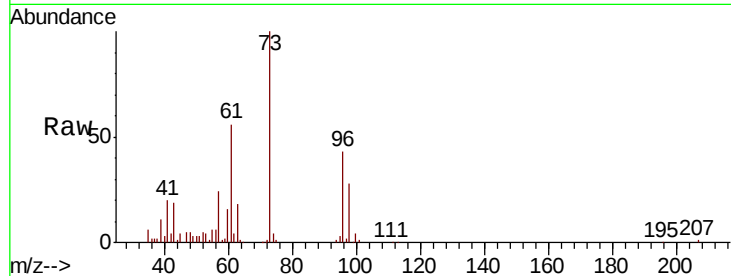
Methyl tert-butyl Ether
 Concen: 45.744 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	73	Resp	187735
Ion Ratio	Lower	Upper	
73	100		
57	24.1	18.1	27.1

Manual Integrations
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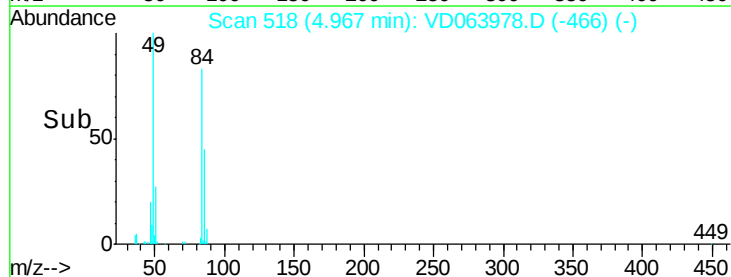
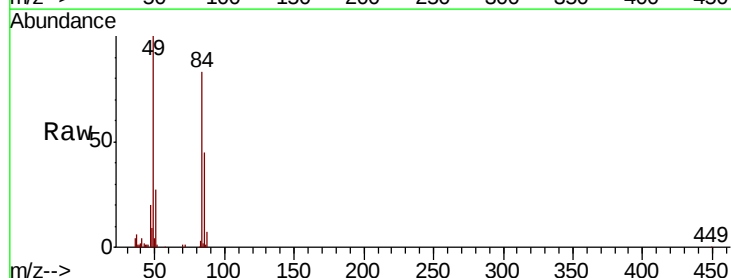
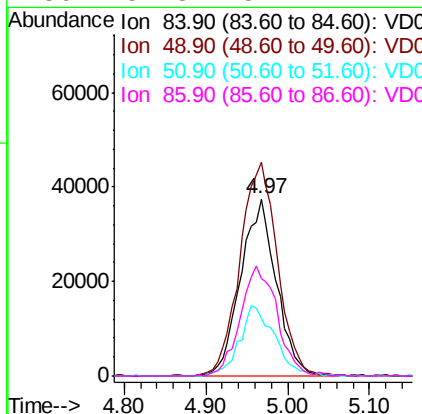
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 10/18/2019 12:41:46 AM

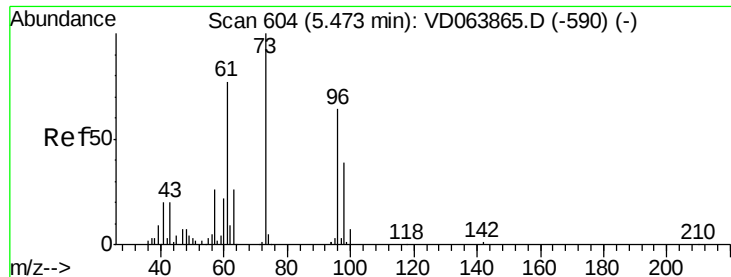


#20

Methylene Chloride
 Concen: 53.668 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	84	Resp	113677
Ion Ratio	Lower	Upper	
84	100		
49	120.7	97.3	145.9
51	32.6	30.1	45.1
86	54.8	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 46.302 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

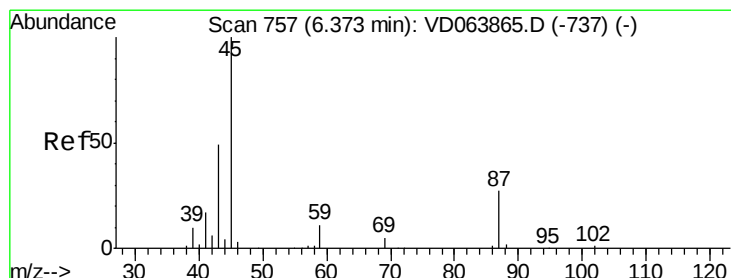
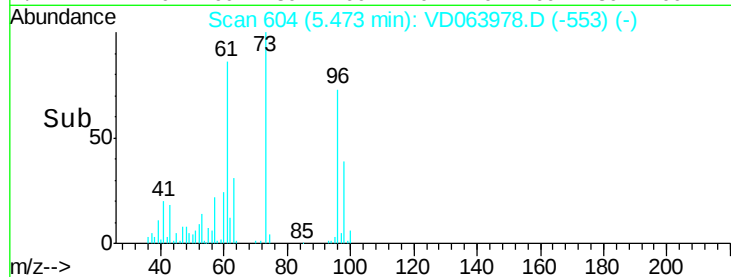
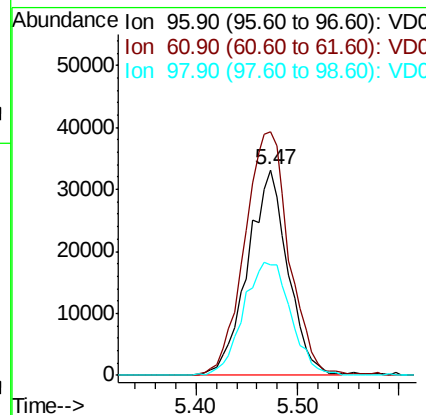
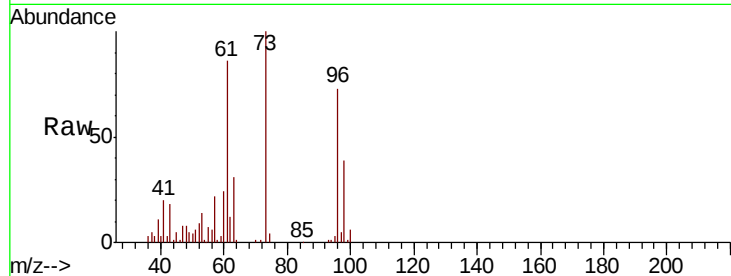
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	91353
Ion	Ratio	Lower	Upper
96	100		
61	118.5	96.6	145.0
98	53.5	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.981 ug/l

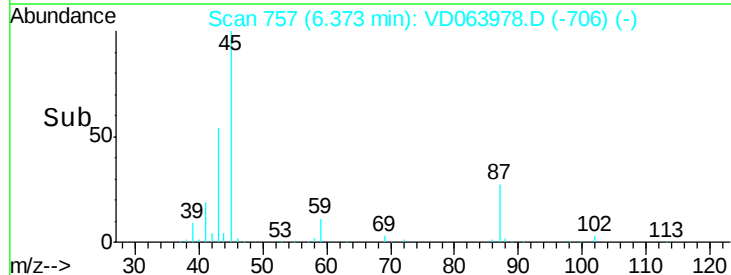
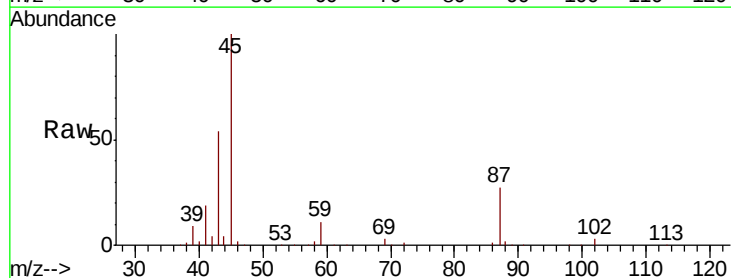
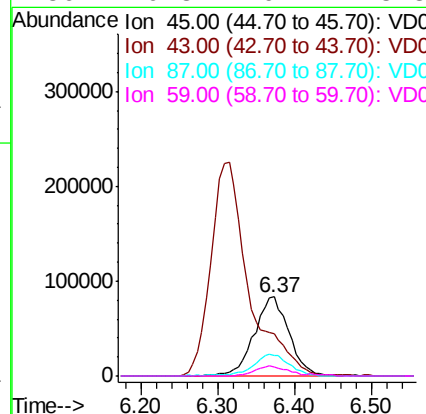
RT: 6.37 min Scan# 757

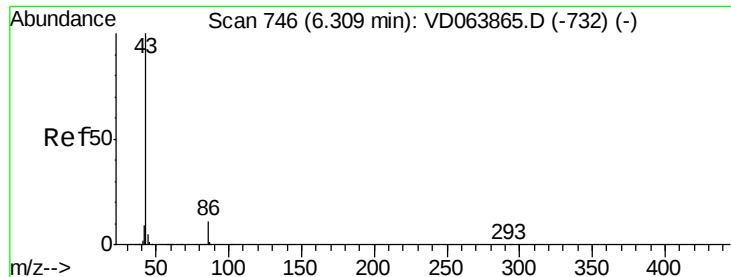
Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	45	Resp:	263588
Ion	Ratio	Lower	Upper
45	100		
43	52.8	41.2	61.8
87	26.6	22.2	33.4
59	10.3	9.2	13.8





#23

Vinyl Acetate

Concen: 240.211 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 768998

Ion Ratio Lower Upper

43 100

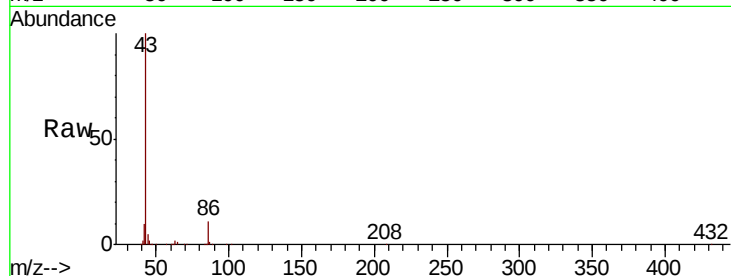
86 11.3 8.8 13.2

Manual Integrations

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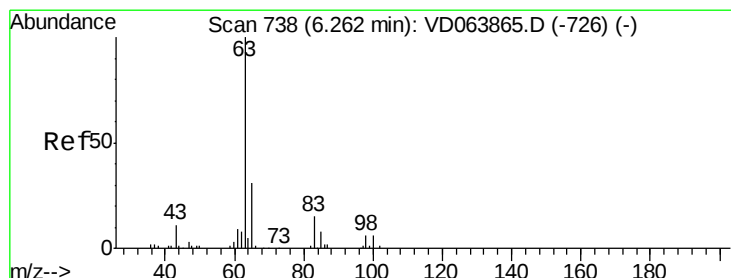
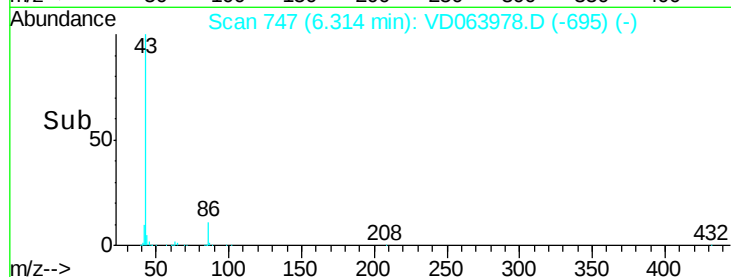
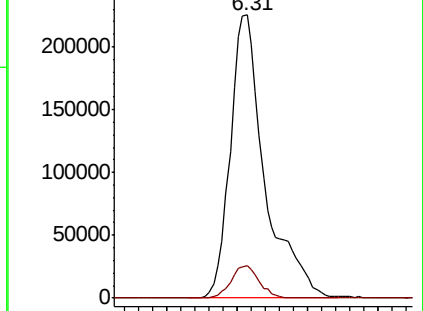
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.070 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

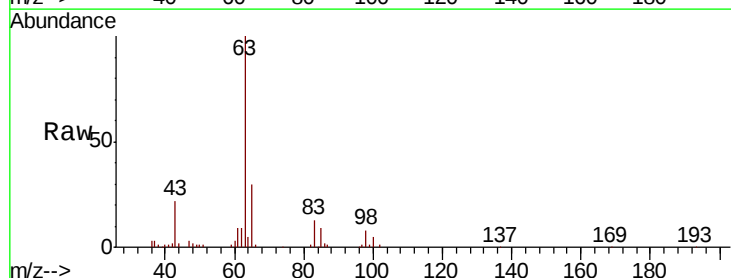
Tgt Ion: 63 Resp: 162653

Ion Ratio Lower Upper

63 100

98 7.7 3.1 9.4

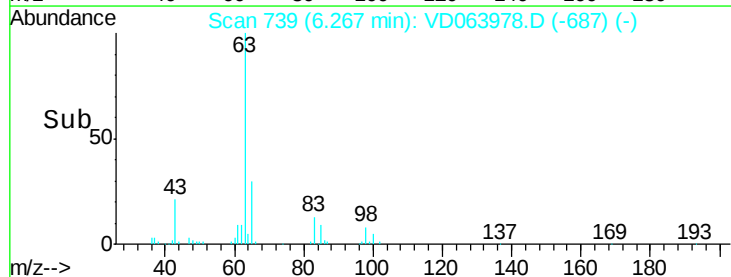
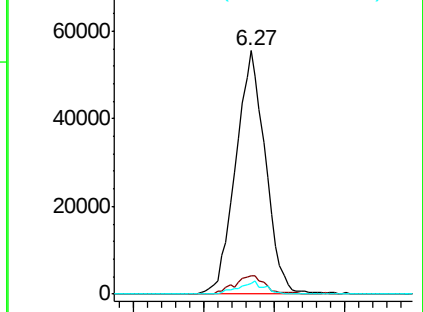
100 4.6 3.0 9.2

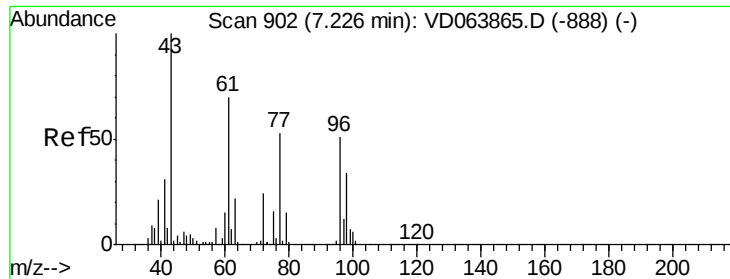


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 221.481 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 125817

Ion Ratio Lower Upper

43 100

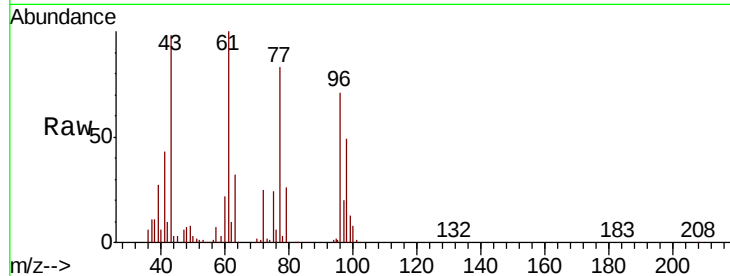
72 25.1 19.2 28.8

Manual Integrations

APPROVED

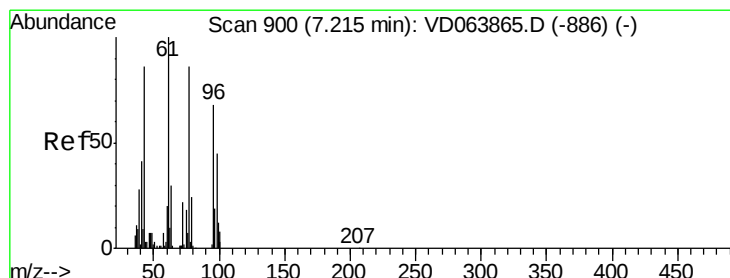
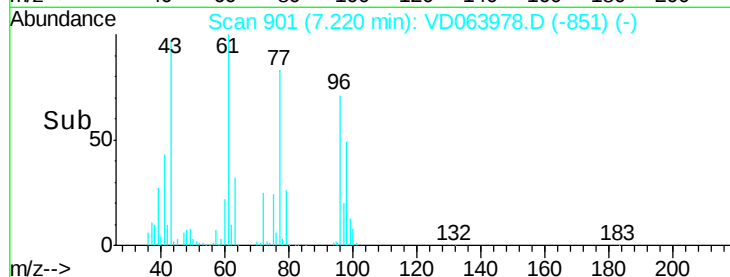
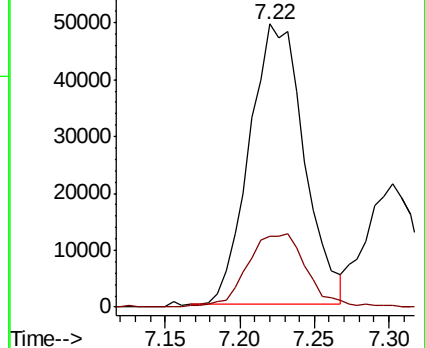
MMDadoda

10/18/2019 12:41:46 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 46.013 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD063978.D

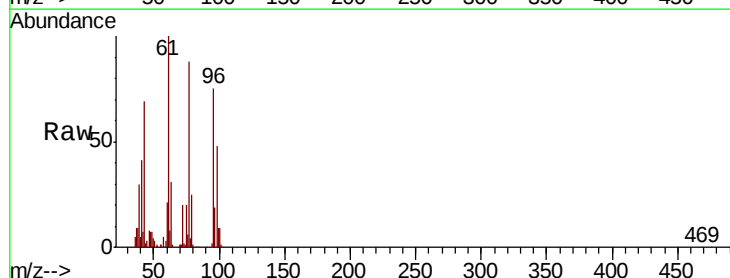
Acq: 15 Oct 2019 18:09

Tgt Ion: 77 Resp: 137970

Ion Ratio Lower Upper

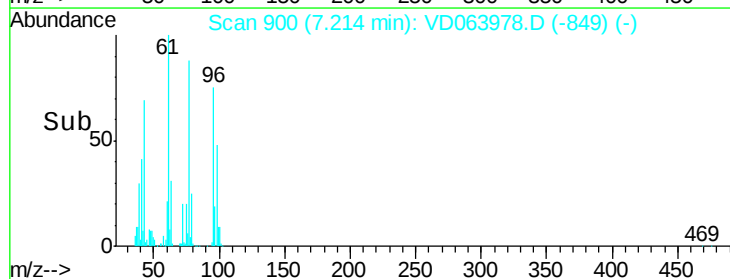
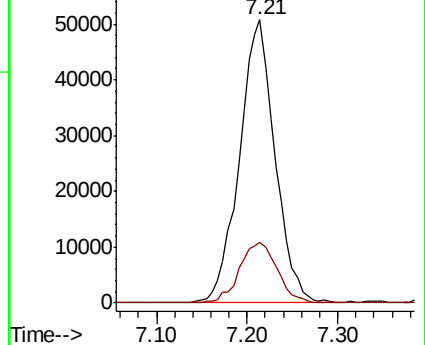
77 100

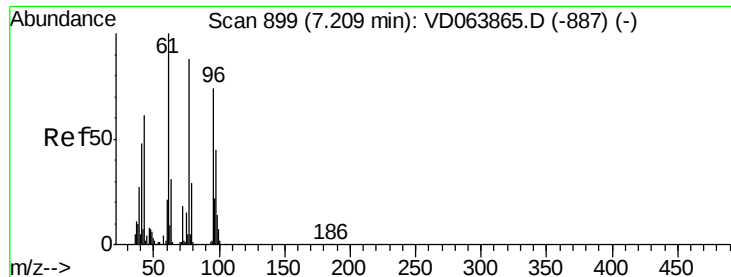
97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





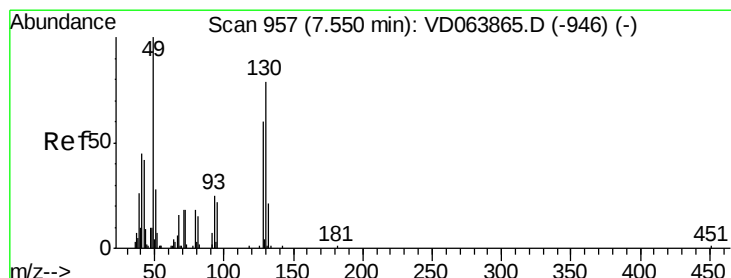
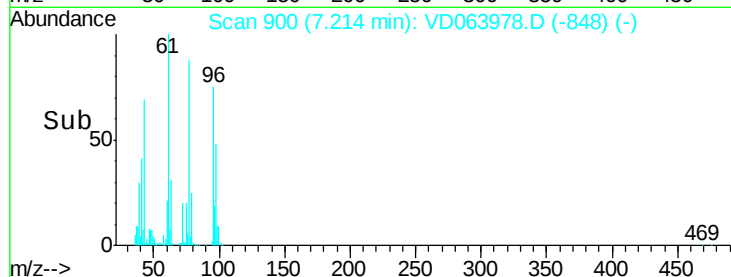
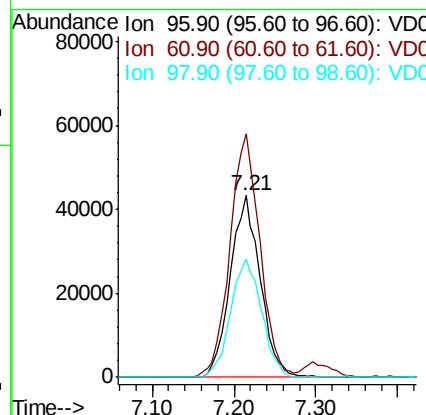
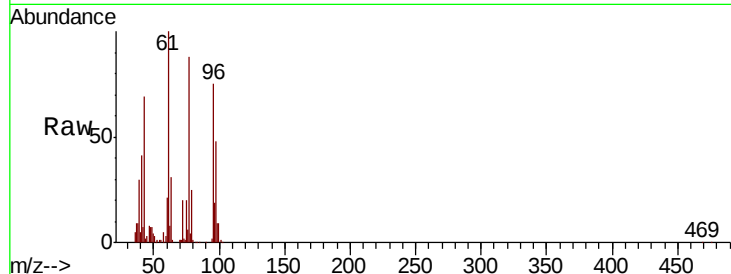
#27
 cis-1,2-Dichloroethene
 Concen: 49.365 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	134.5	0.0	280.0	
98	66.9	0.0	130.4	

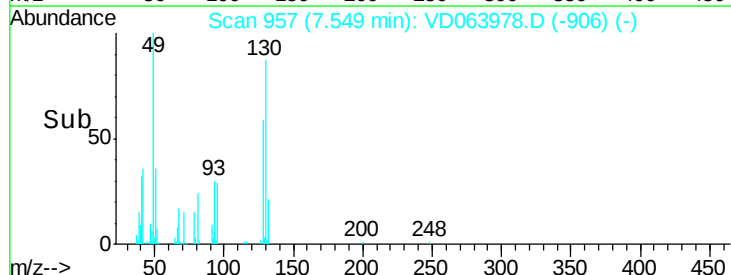
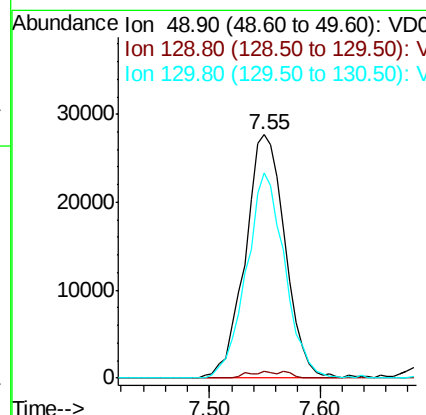
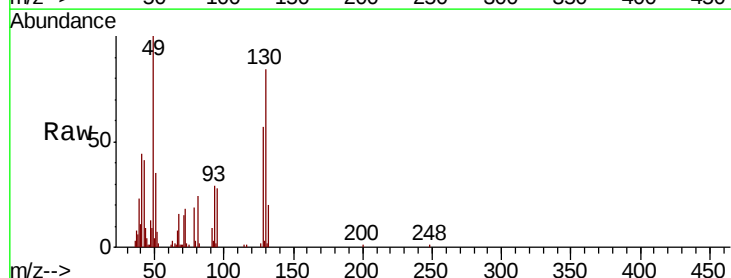
Manual Integrations
 APPROVED

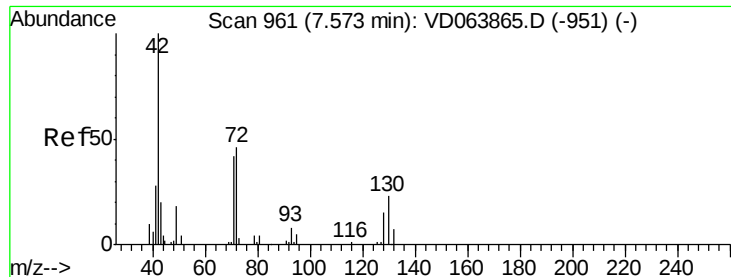
MMDadoda
 10/18/2019 12:41:46 AM



#28
 Bromochloromethane
 Concen: 55.515 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	5.6	
130	81.3	66.8	100.2	





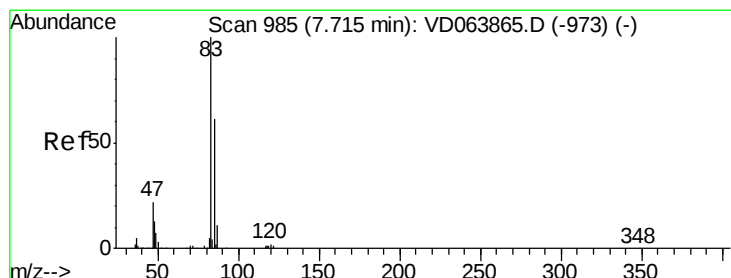
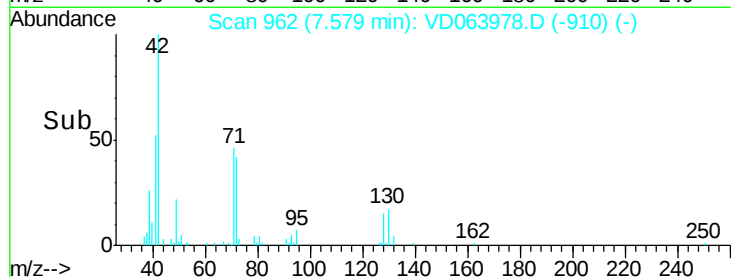
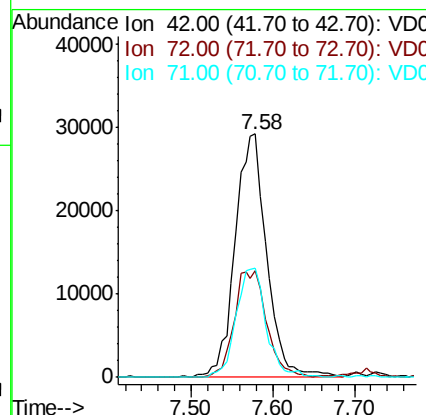
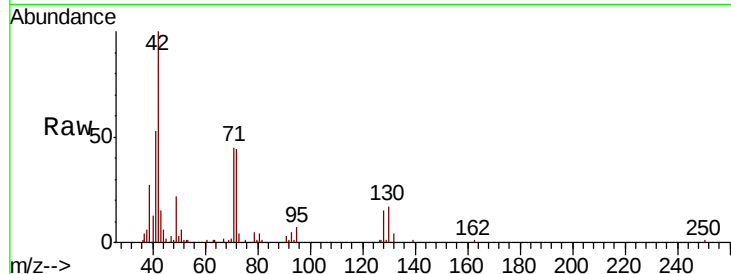
#29
Tetrahydrofuran
Concen: 237.098 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.8	37.6	56.4
71	42.6	35.0	52.6

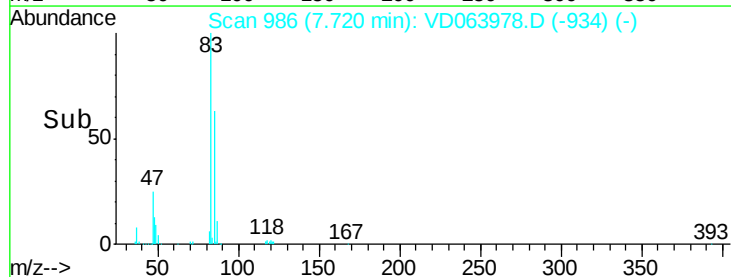
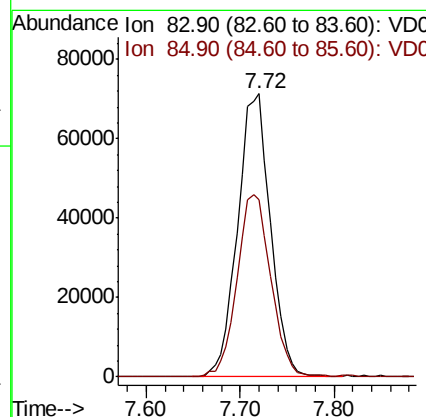
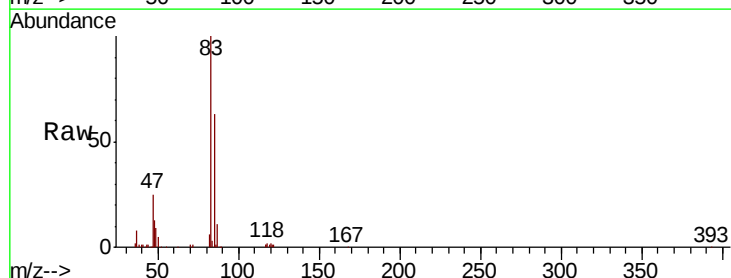
Manual Integrations
APPROVED

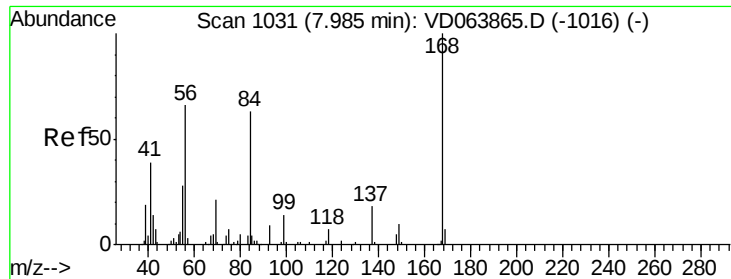
MMDadoda
10/18/2019 12:41:46 AM



#30
Chloroform
Concen: 48.127 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.5	48.9	73.3





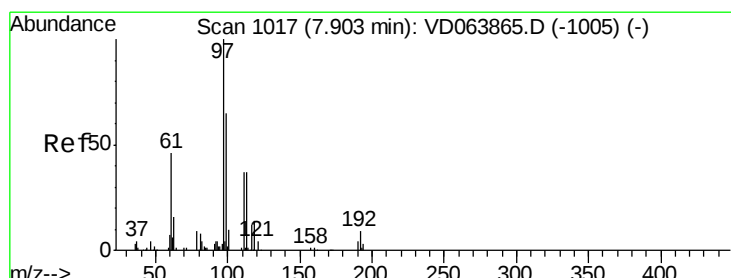
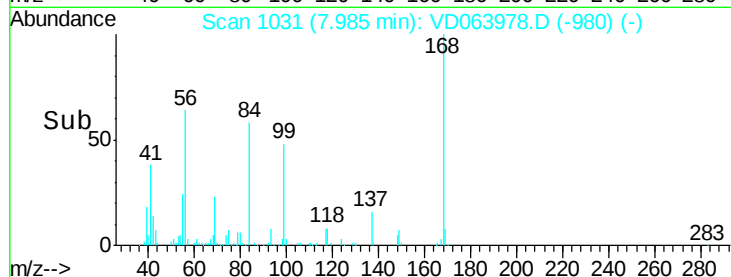
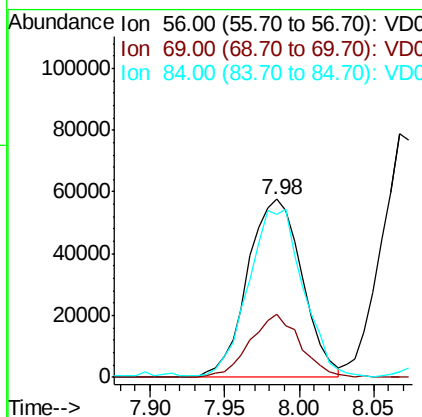
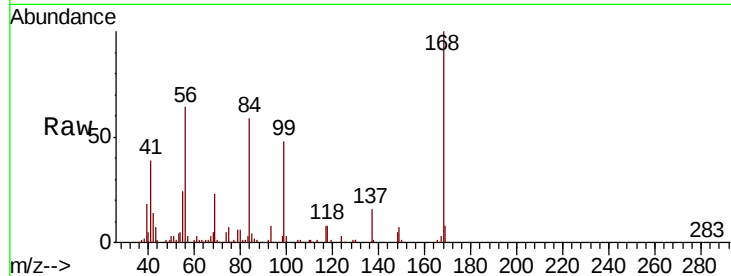
#31
Cyclohexane
Concen: 53.936 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.6	25.0	37.4	
84	90.7	76.3	114.5	

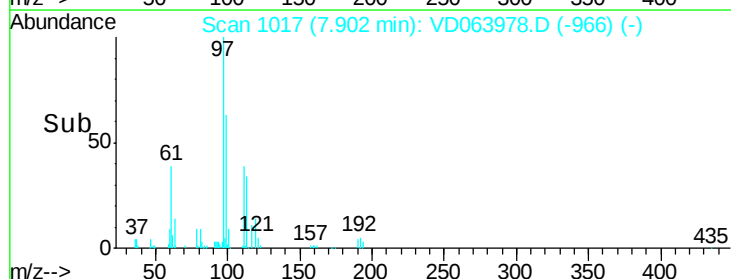
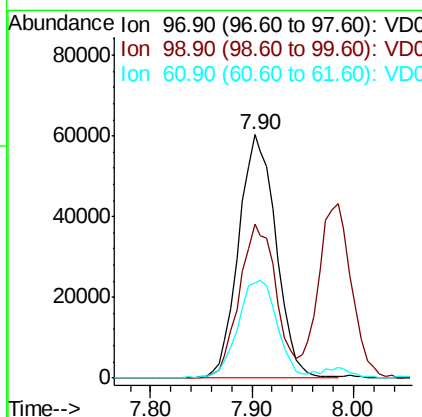
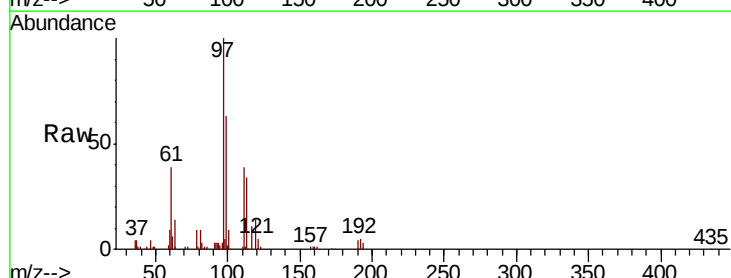
Manual Integrations
APPROVED

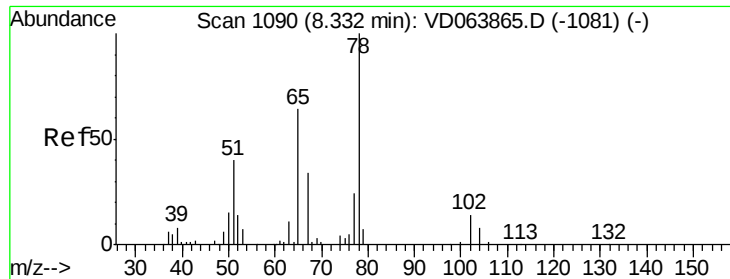
MMDadoda
10/18/2019 12:41:46 AM



#32
1,1,1-Trichloroethane
Concen: 49.849 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	62.6	52.4	78.6	
61	42.1	33.8	50.8	





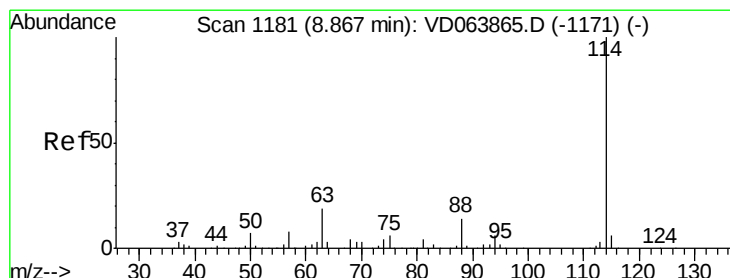
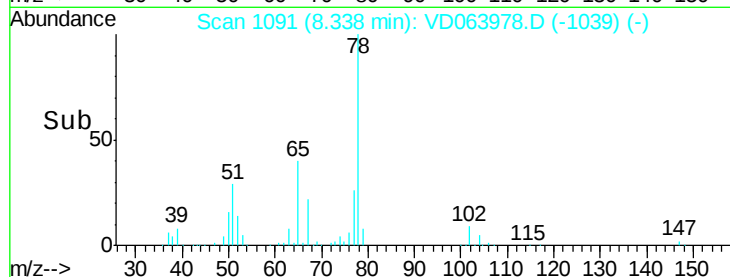
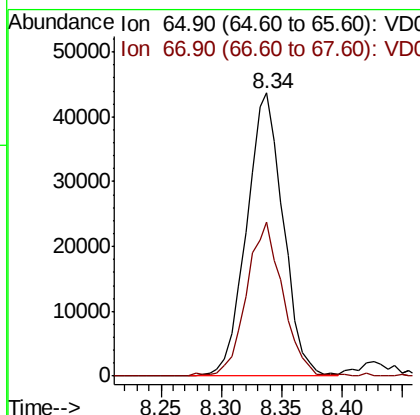
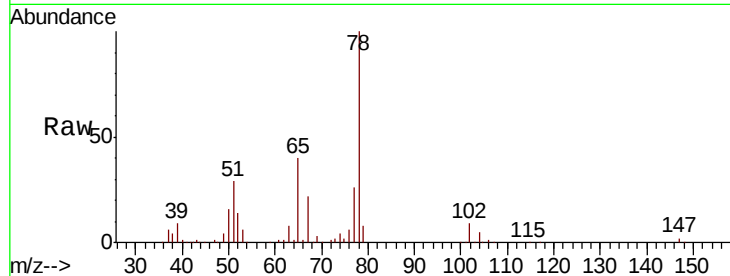
#33
 1,2-Dichloroethane-d4
 Concen: 50.105 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.4

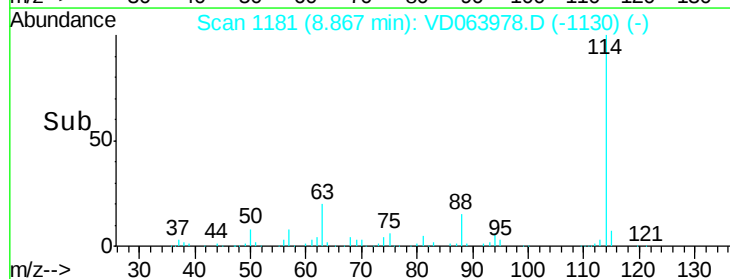
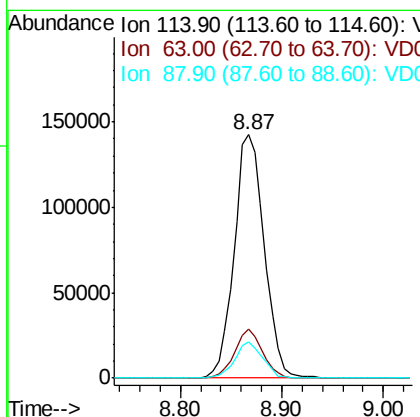
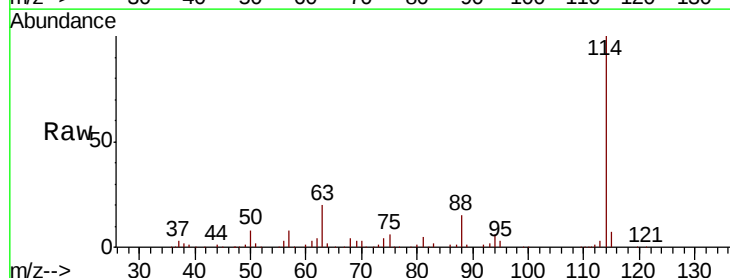
Manual Integrations
 APPROVED

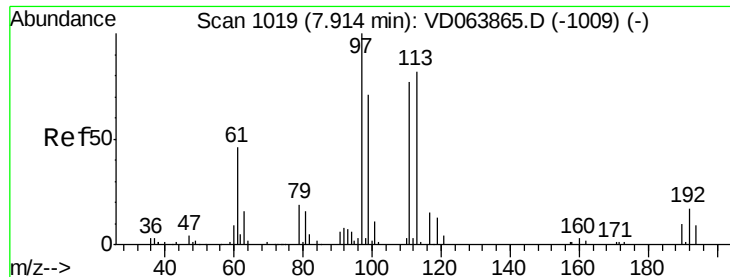
MMDadoda
 10/18/2019 12:41:46 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.1	0.0	38.4
88	14.8	0.0	27.4





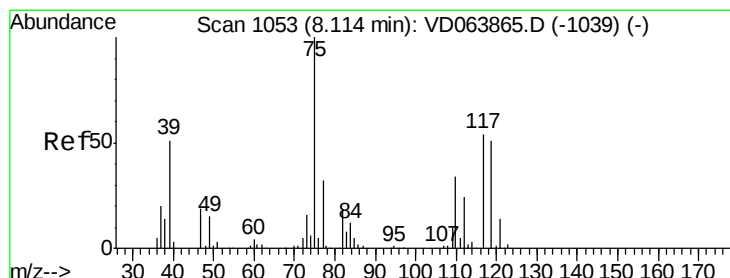
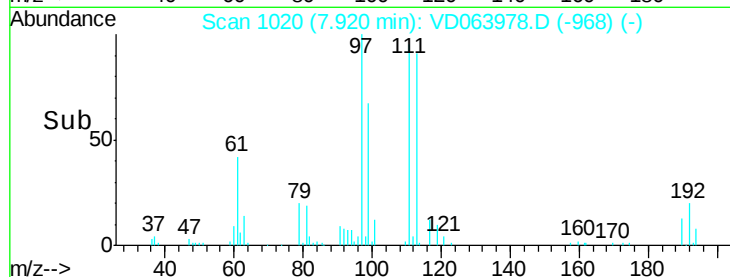
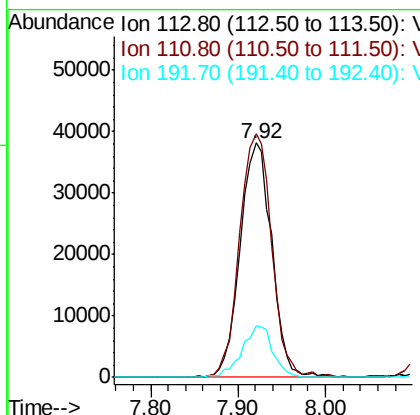
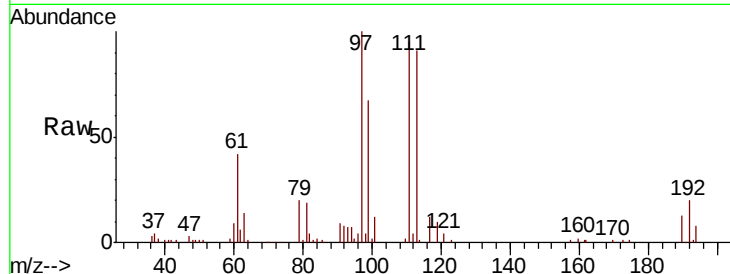
#35
 Dibromofluoromethane
 Concen: 51.908 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.6	123.8
192	21.5	17.1	25.7

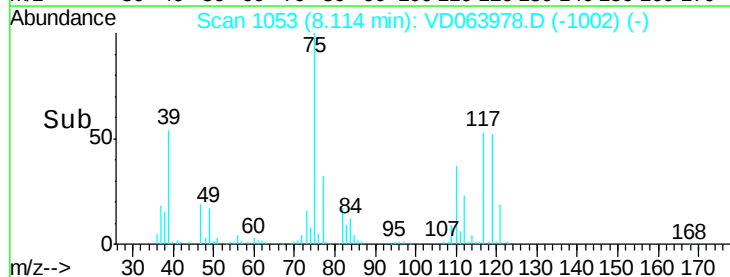
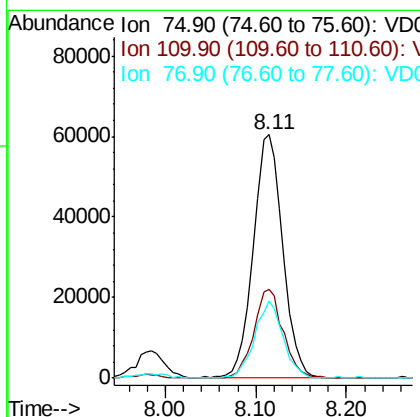
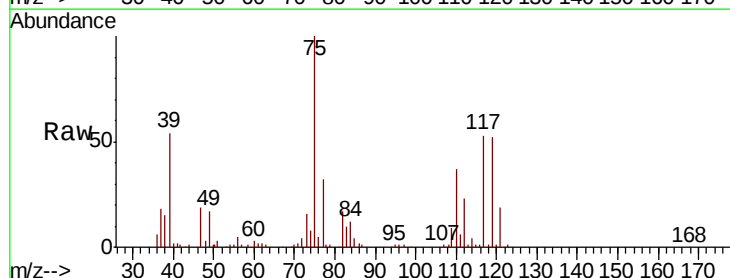
Manual Integrations
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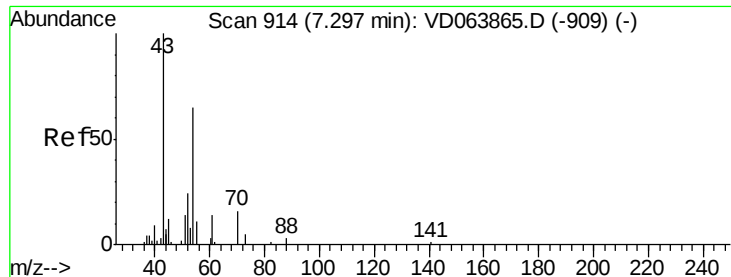
MMDadoda
 10/18/2019 12:41:46 AM



#36
 1,1-Dichloropropene
 Concen: 51.000 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.0	17.4	52.3
77	30.6	25.4	38.0





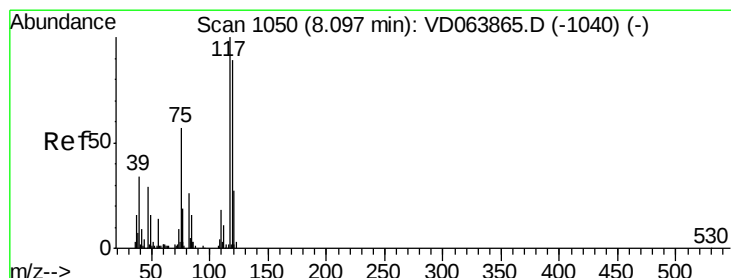
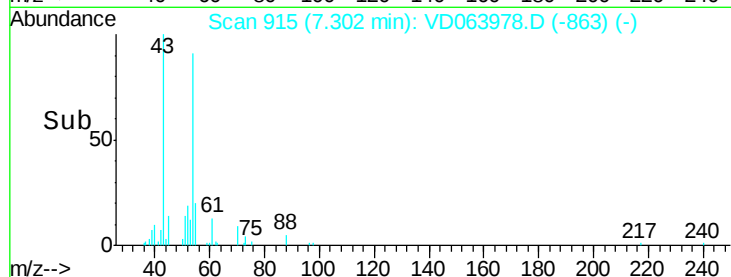
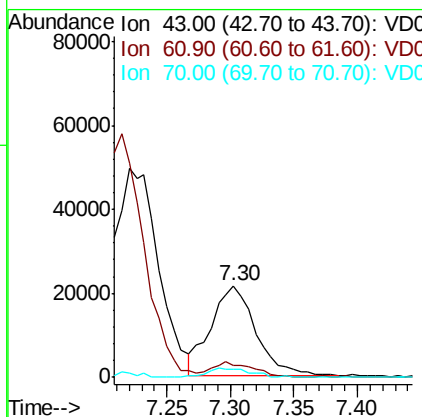
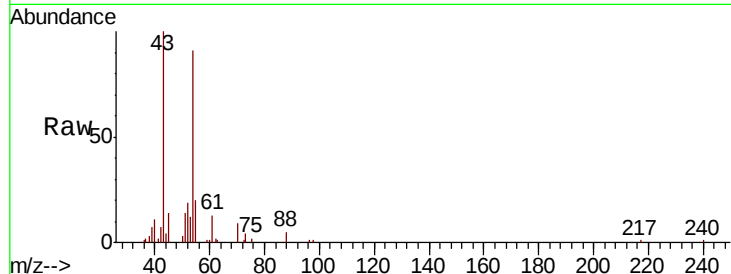
#37
Ethyl Acetate
Concen: 48.680 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	43	Resp:	52378
Ion	Ratio	Lower	Upper
43	100		
61	15.9	11.5	17.3
70	10.1	8.2	12.4

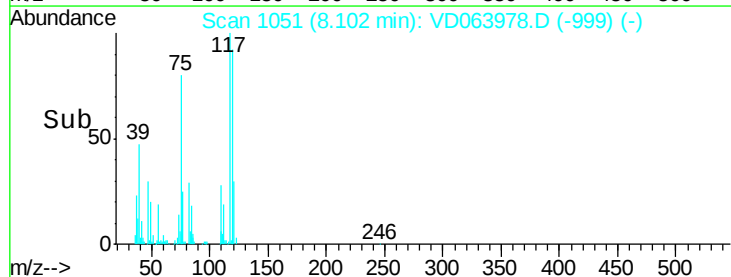
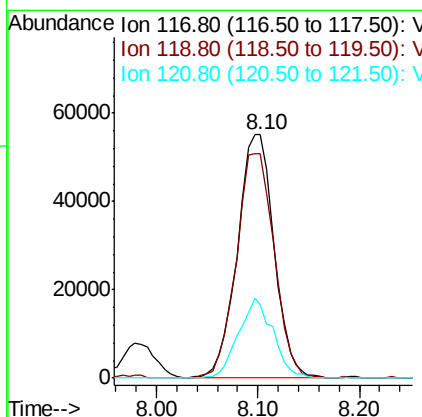
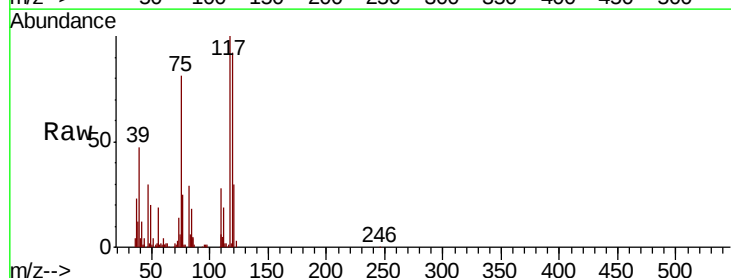
Manual Integrations
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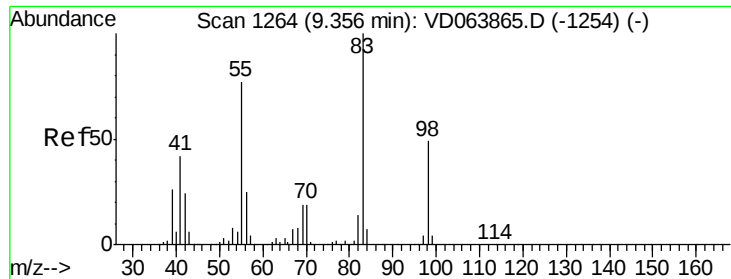
MMDadoda
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#38
Carbon Tetrachloride
Concen: 51.255 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion:	117	Resp:	138682
Ion	Ratio	Lower	Upper
117	100		
119	92.3	70.8	106.2
121	30.0	21.4	32.0





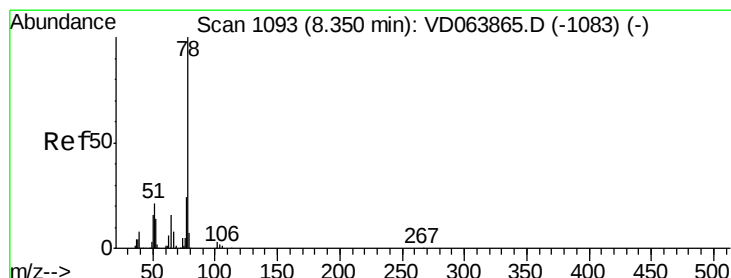
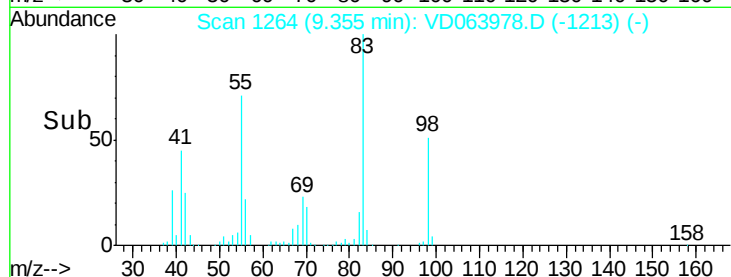
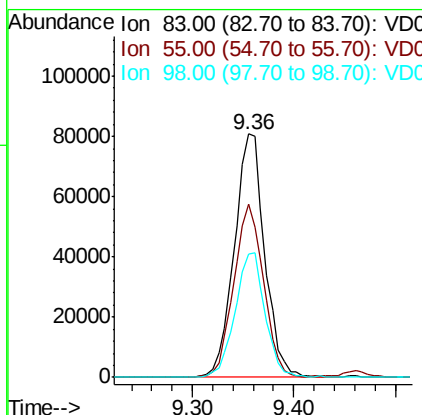
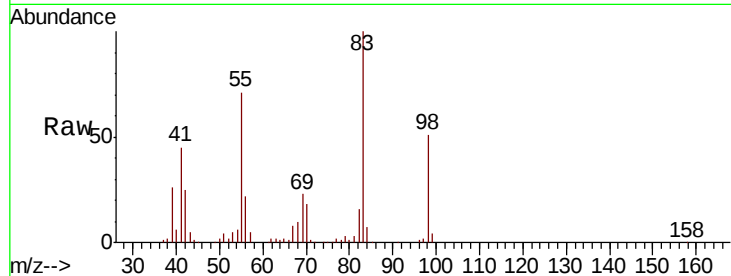
#39
Methvlcvclohexane
Concen: 51.087 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.3	61.3	91.9
98	50.8	39.3	58.9

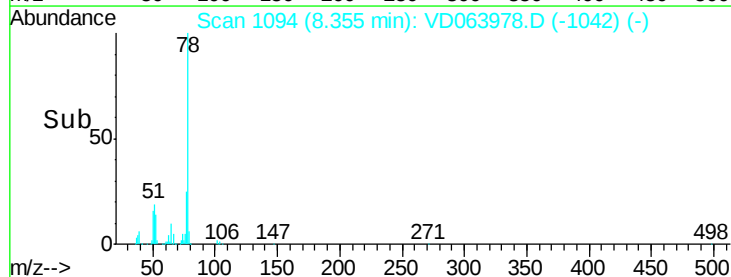
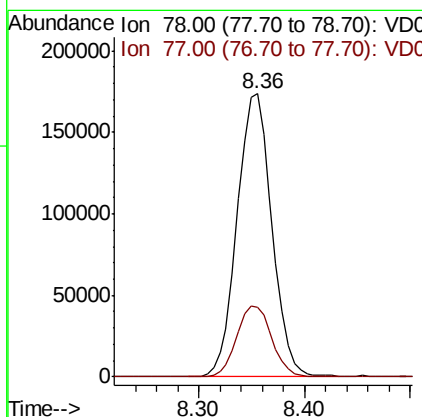
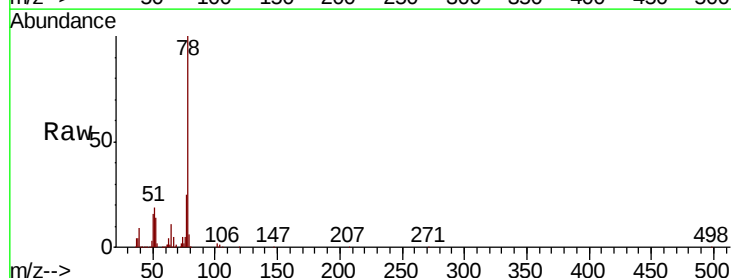
Manual Integrations
APPROVED

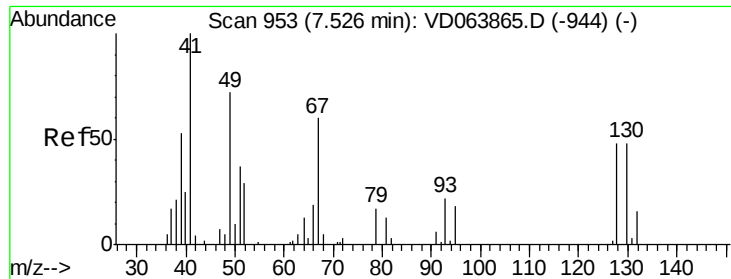
MMDadoda
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#40
Benzene
Concen: 51.665 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





#41

Methacrylonitrile

Concen: 55.923 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 34715

Ion Ratio Lower Upper

41 100

39 55.0 52.6 78.8

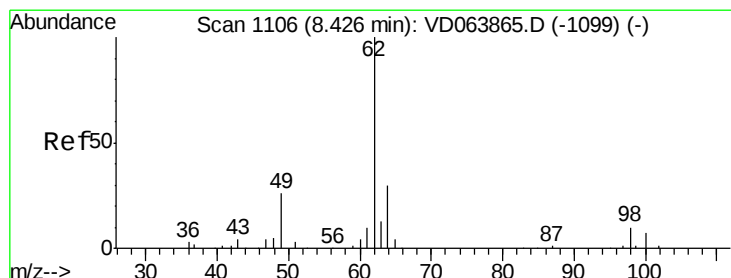
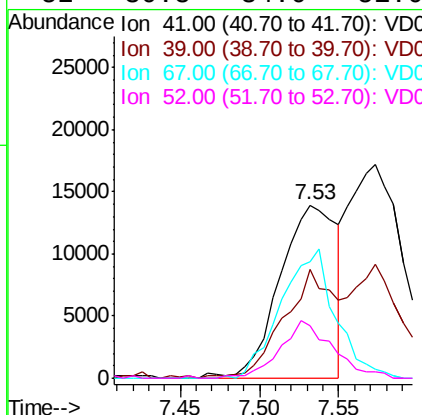
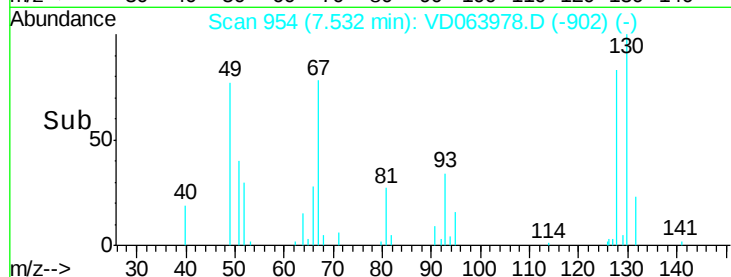
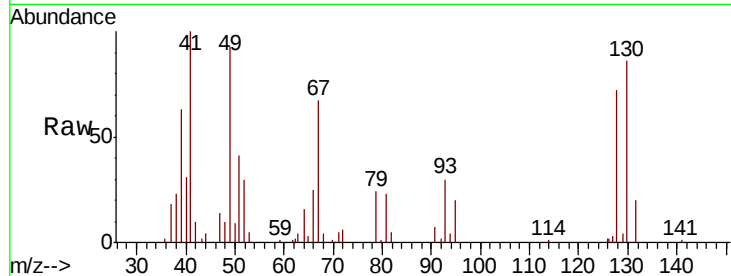
67 71.7 74.2 111.2#

52 30.8 34.0 51.0#

Manual Integrations
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10/18/2019 12:41:46 AM



#42

1,2-Dichloroethane

Concen: 50.577 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD063978.D

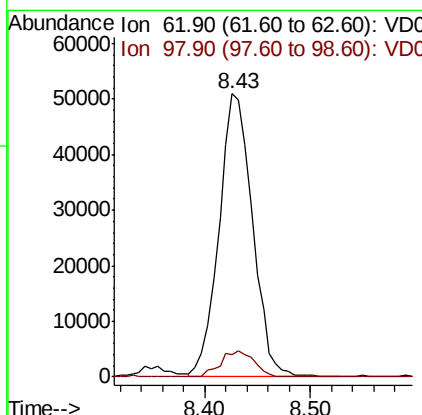
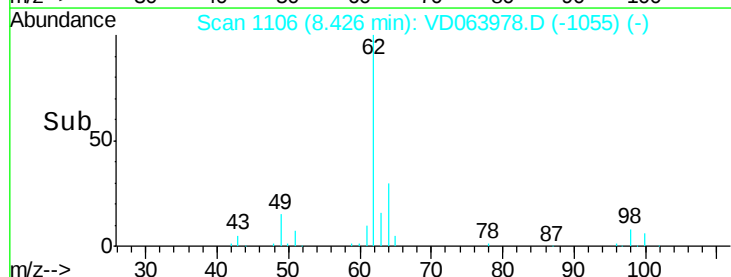
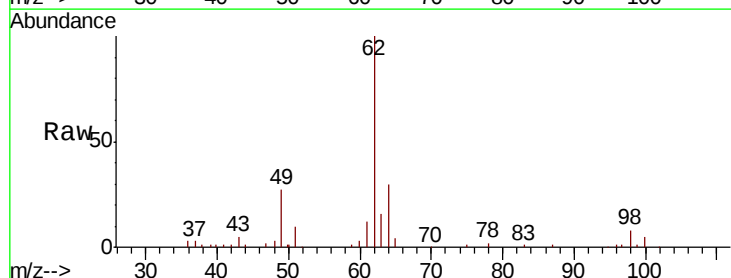
Acq: 15 Oct 2019 18:09

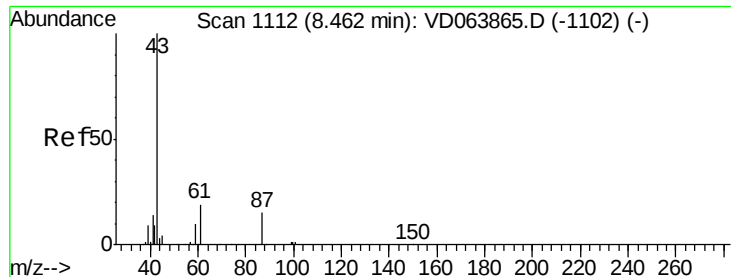
Tgt Ion: 62 Resp: 112255

Ion Ratio Lower Upper

62 100

98 9.2 0.0 20.0





#43

Isopropyl Acetate

Concen: 46.540 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

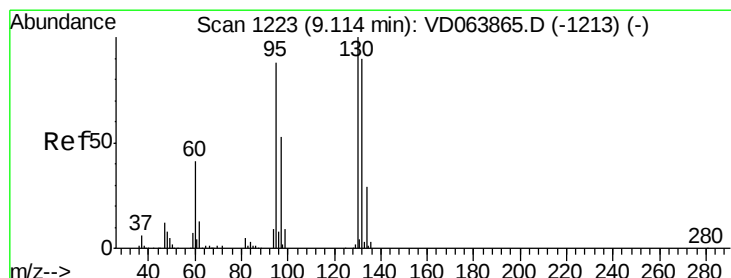
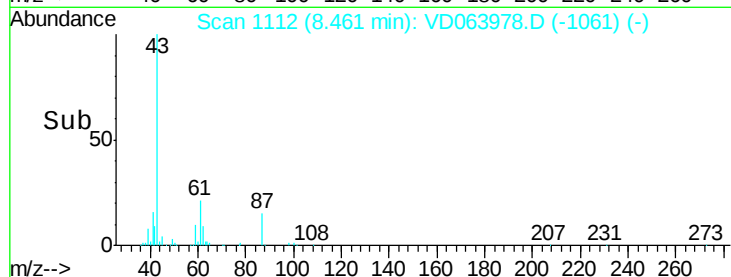
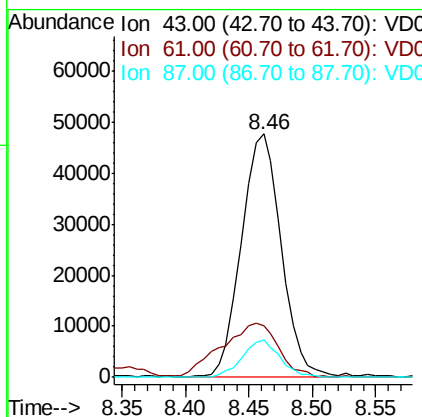
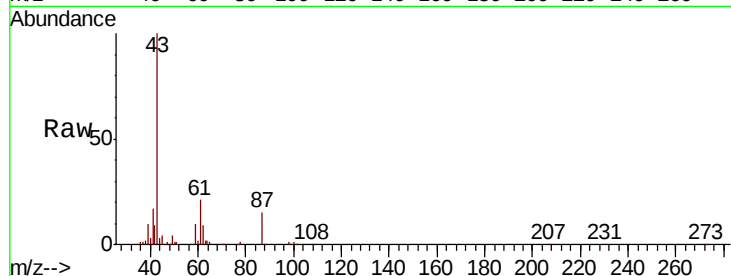
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	104503
Ion	Ratio	Lower	Upper
43	100		
61	31.8	25.7	38.5
87	14.5	11.6	17.4

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#44

Trichloroethene

Concen: 49.534 ug/l

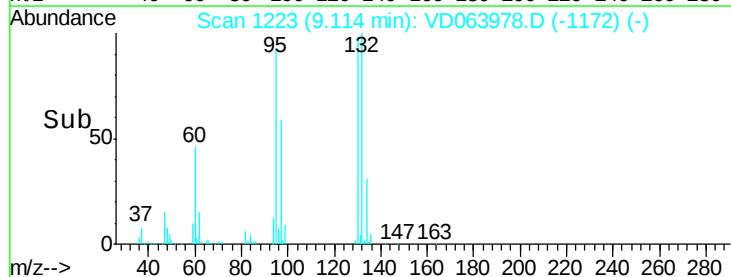
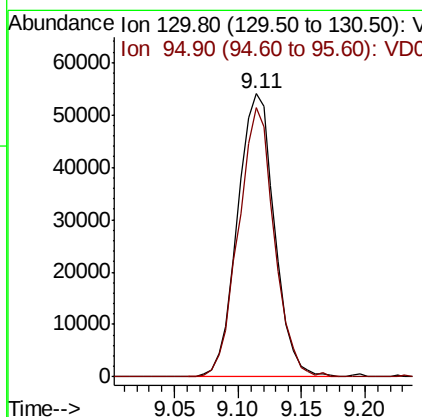
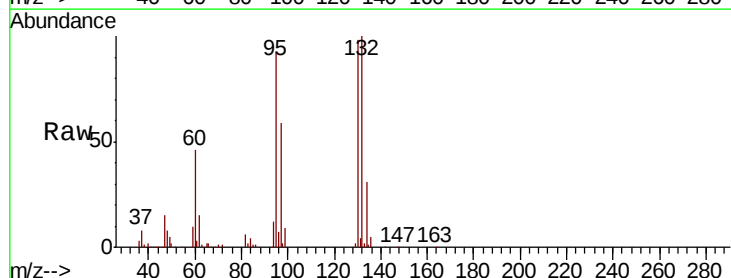
RT: 9.11 min Scan# 1223

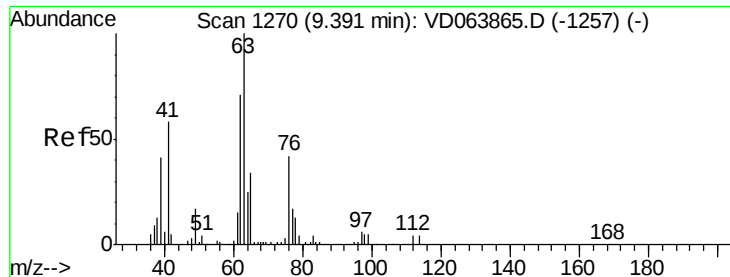
Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	130	Resp:	109598
Ion	Ratio	Lower	Upper
130	100		
95	95.0	0.0	175.6





#45

1,2-Dichloropropane

Concen: 50.920 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 95630

Ion Ratio Lower Upper

63 100

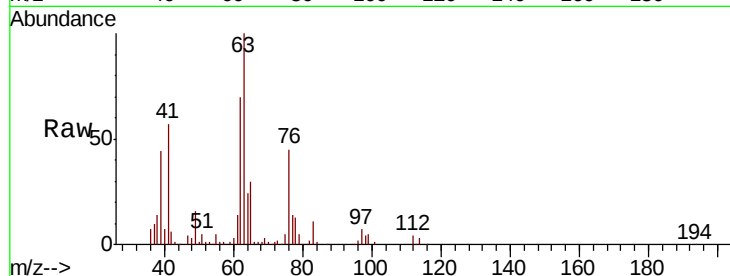
65 29.7 27.3 40.9

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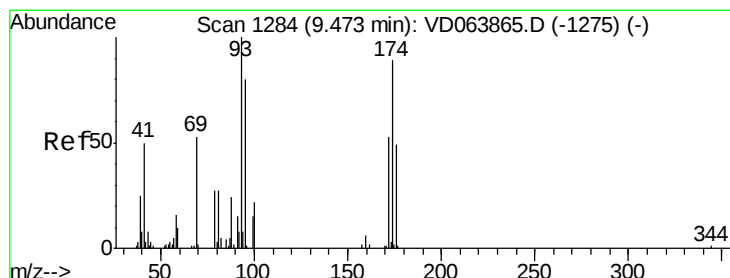
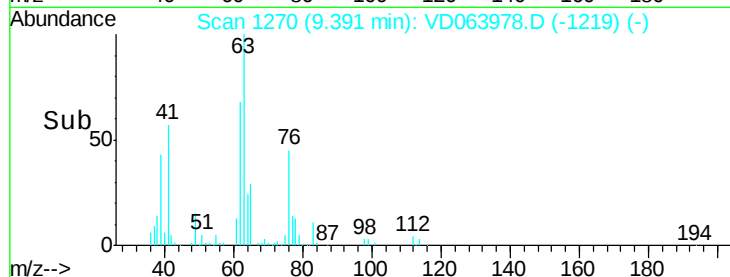
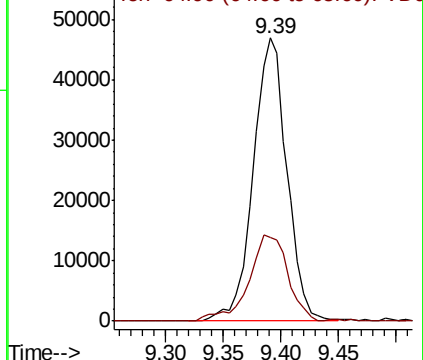
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.019 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

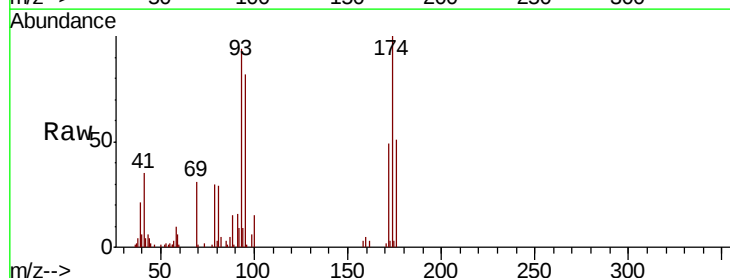
Tgt Ion: 93 Resp: 52429

Ion Ratio Lower Upper

93 100

95 84.1 66.0 99.0

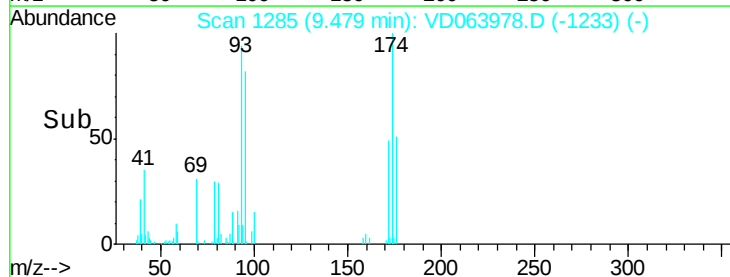
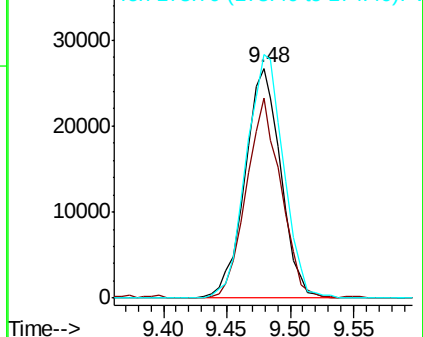
174 110.3 83.4 125.0

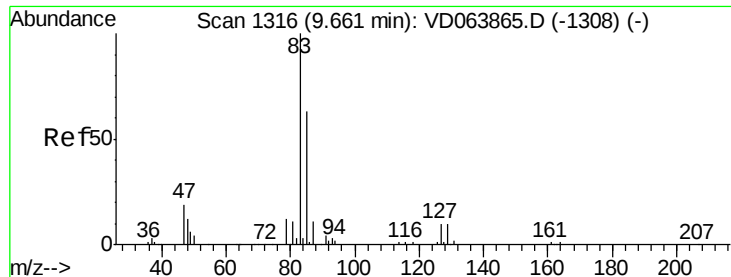


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.040 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

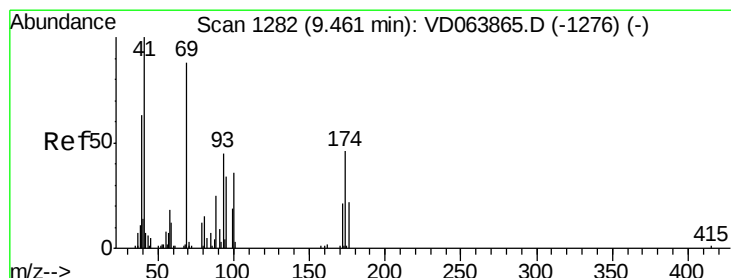
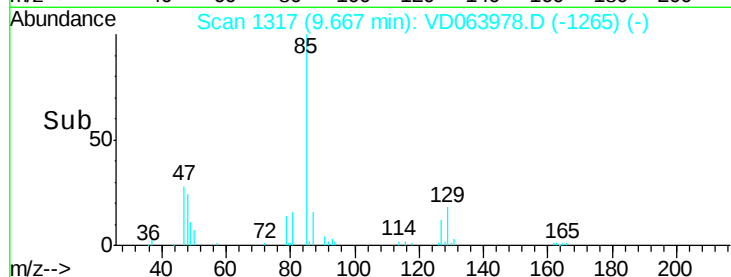
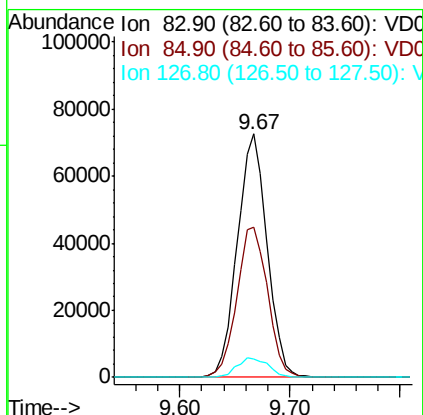
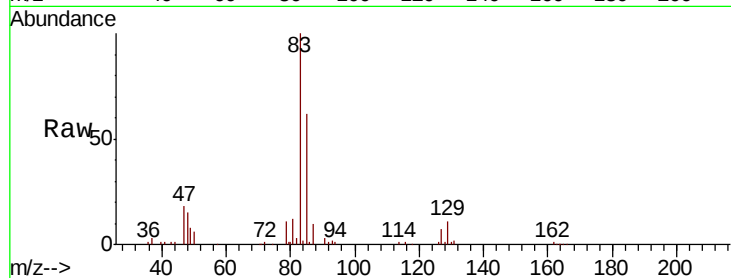
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	137798
Ion Ratio	Lower	Upper	
83	100		
85	61.6	50.2	75.2
127	7.5	7.6	11.4#

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#48

Methyl methacrylate

Concen: 44.852 ug/l

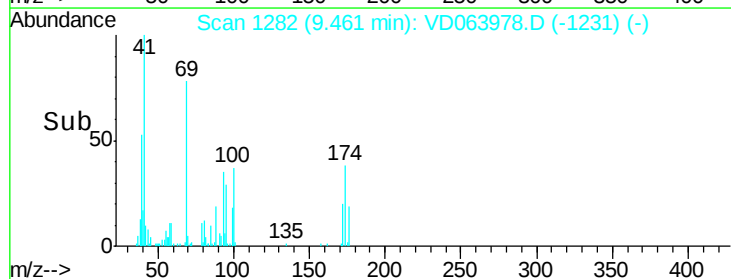
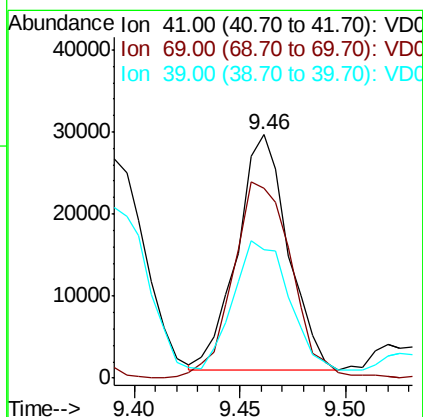
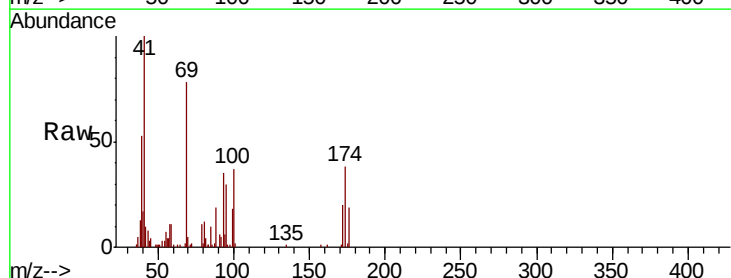
RT: 9.46 min Scan# 1282

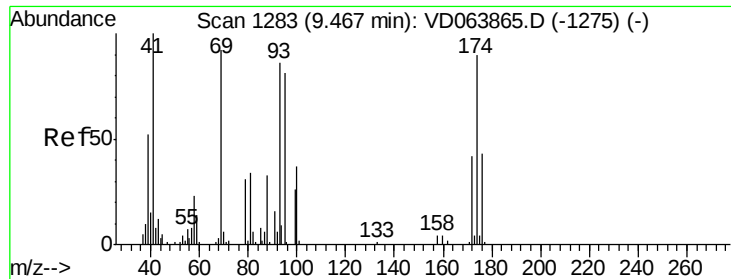
Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	41	Resp:	48255
Ion Ratio	Lower	Upper	
41	100		
69	95.5	75.1	112.7
39	65.6	50.2	75.2





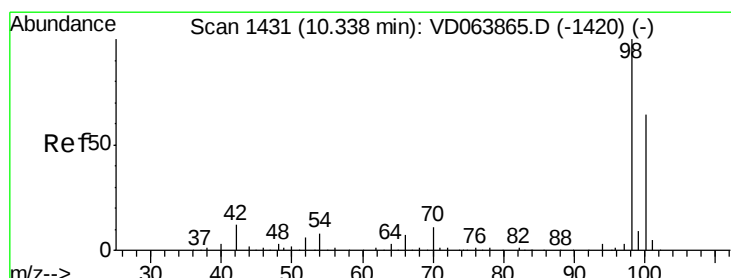
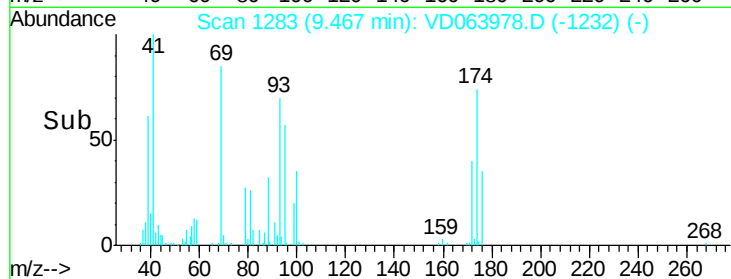
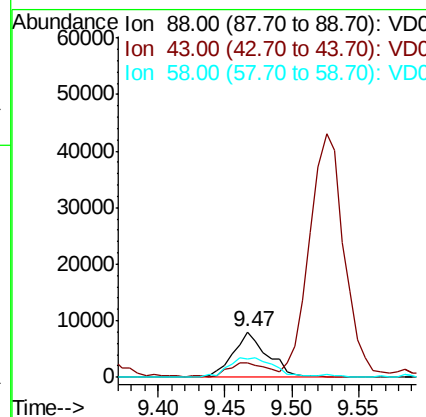
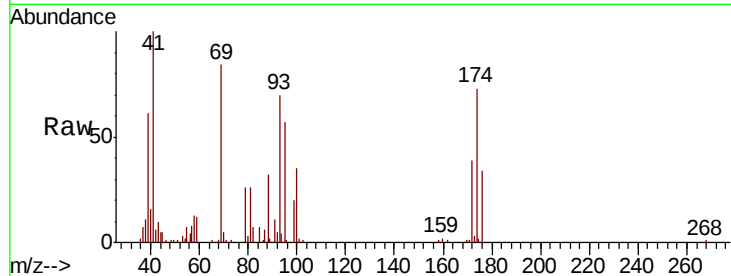
#49
1,4-Dioxane
Concen: 1003.586 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	14652
Ion	Ratio	Lower	Upper
88	100		
43	37.7	27.6	41.4
58	56.9	54.1	81.1

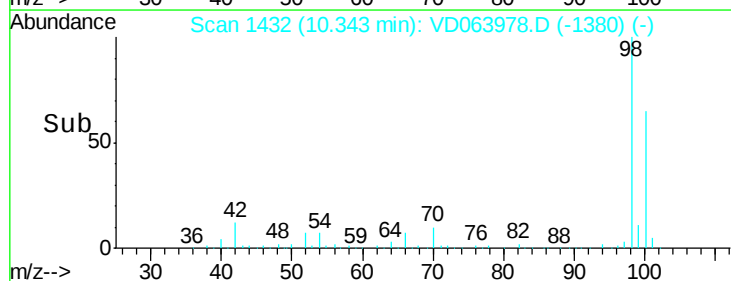
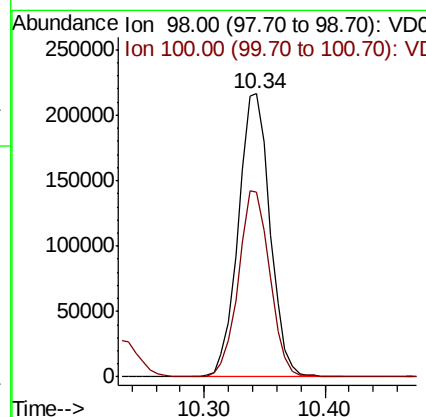
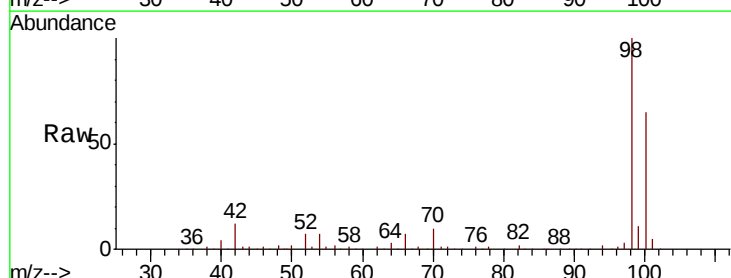
Manual Integrations
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#50
Toluene-d8
Concen: 54.584 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	98	Resp	396488
Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 241.550 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 43 Resp: 281293

Ion Ratio Lower Upper

43 100

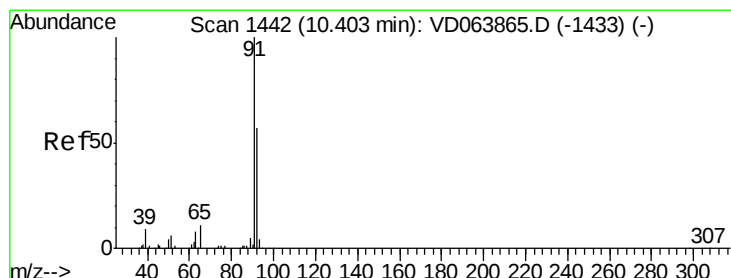
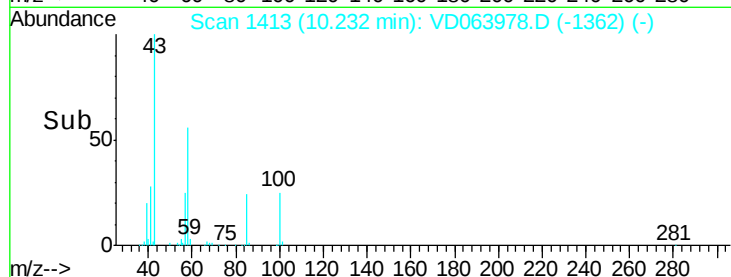
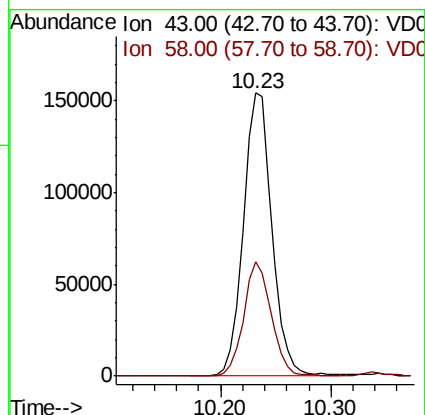
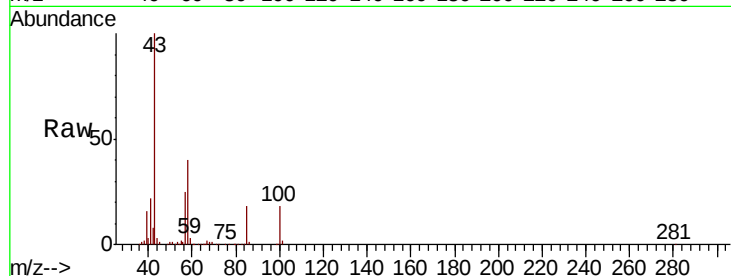
58 39.1 33.0 49.4

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#52

Toluene

Concen: 50.949 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063978.D

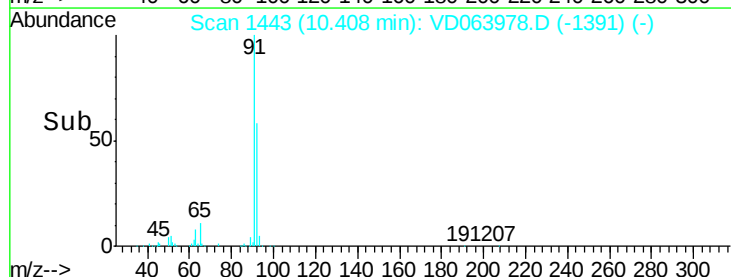
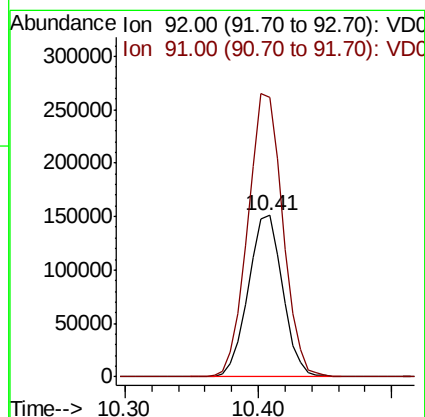
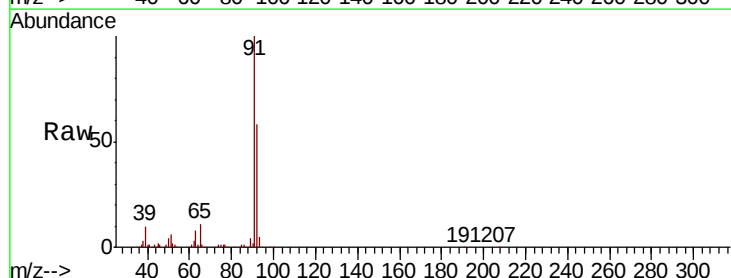
Acq: 15 Oct 2019 18:09

Tgt Ion: 92 Resp: 268362

Ion Ratio Lower Upper

92 100

91 178.7 139.5 209.3





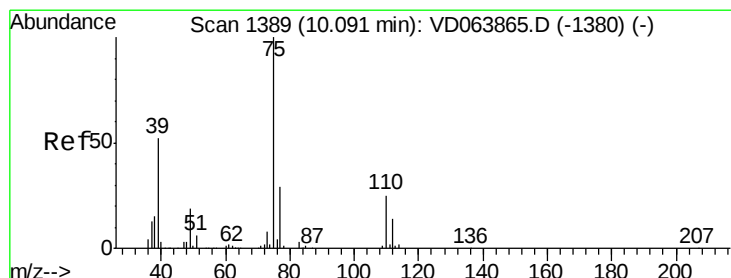
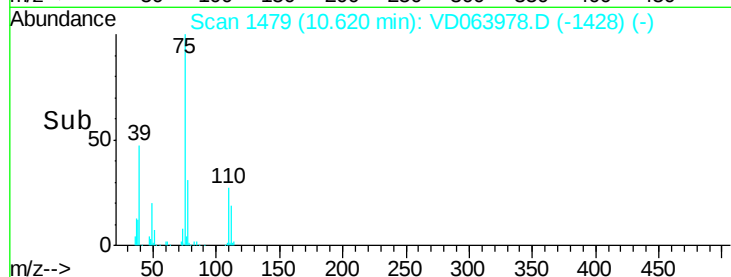
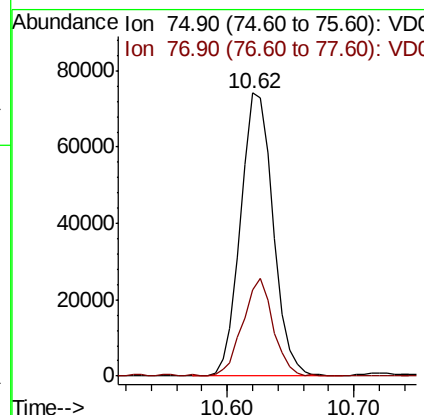
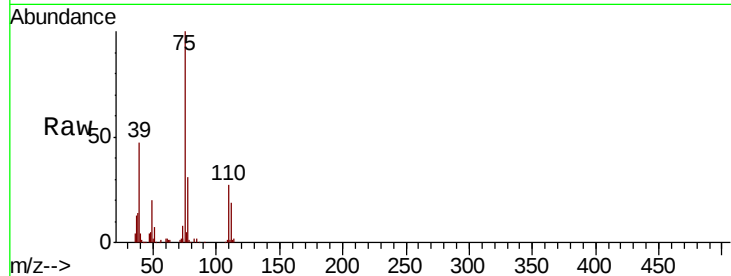
#53
t-1,3-Dichloropropene
Concen: 49.170 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	22.8	34.2

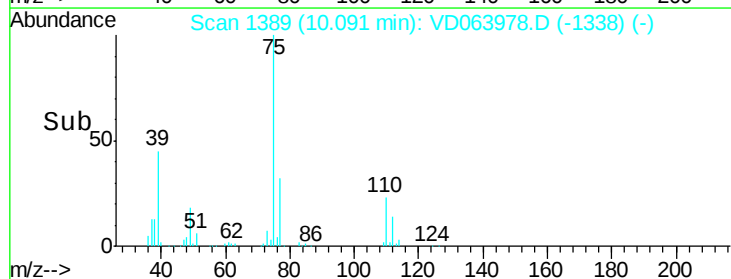
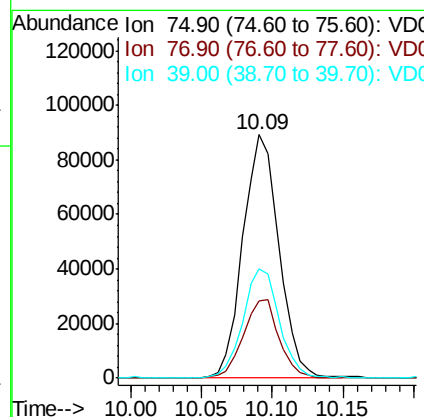
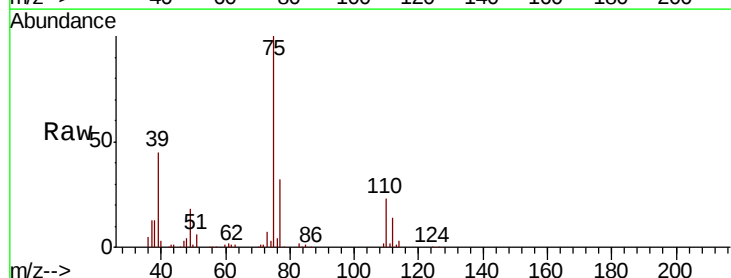
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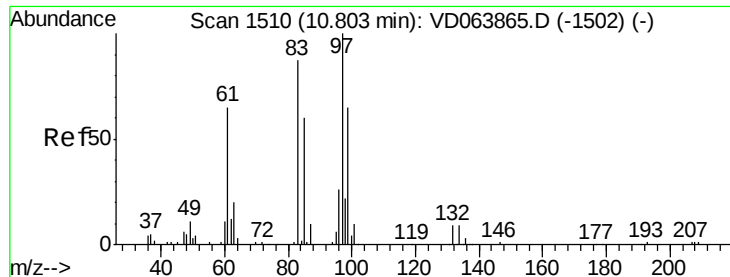
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#54
cis-1,3-Dichloropropene
Concen: 51.613 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	23.2	34.8
39	44.7	41.5	62.3





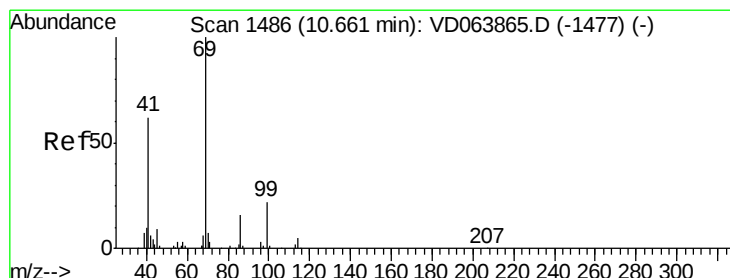
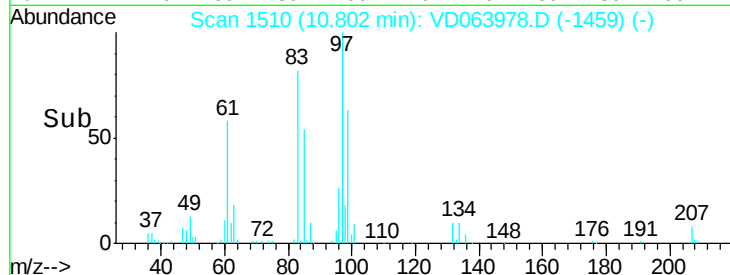
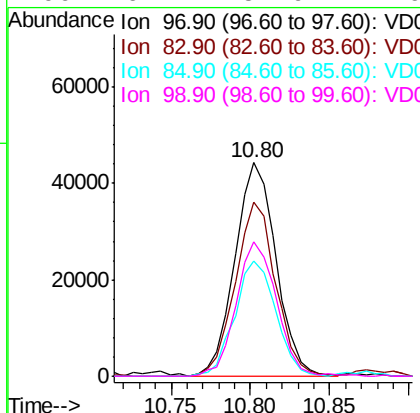
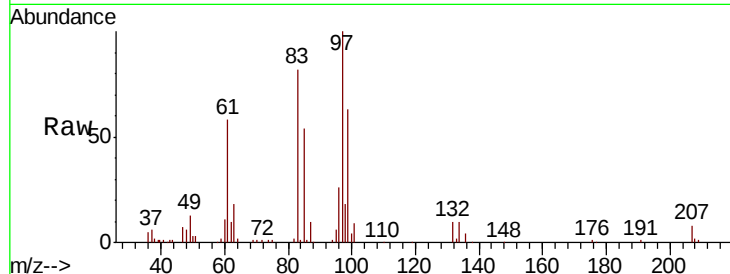
#55
 1,1,2-Trichloroethane
 Concen: 52.791 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp:	79725
Ion	Ratio	Lower	Upper
97	100		
83	81.8	69.7	104.5
85	53.9	48.1	72.1
99	62.7	51.9	77.9

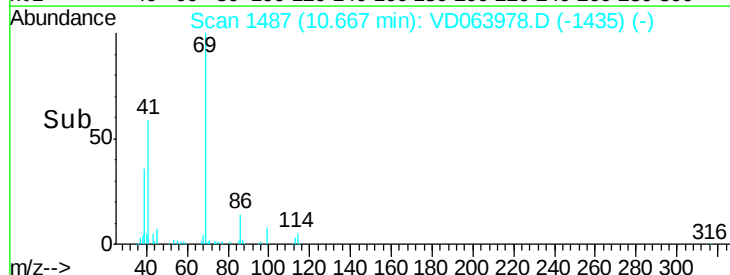
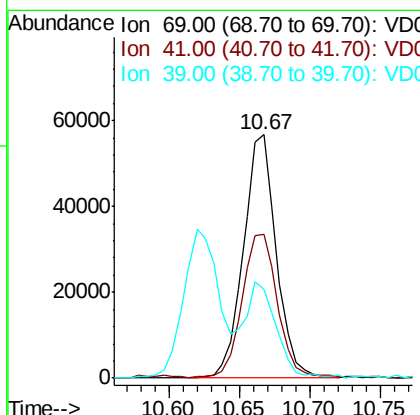
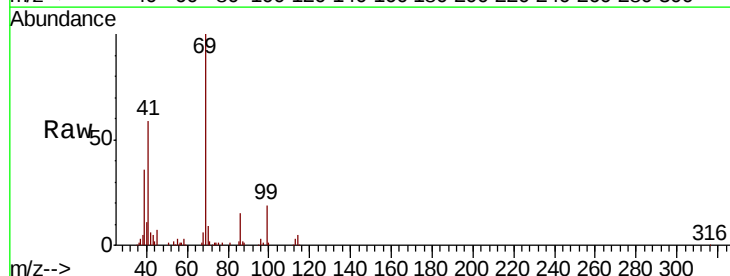
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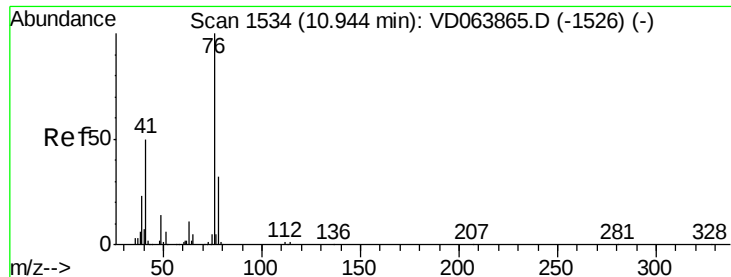
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#56
 Ethyl methacrylate
 Concen: 48.418 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	69	Resp:	92596
Ion	Ratio	Lower	Upper
69	100		
41	62.9	51.3	76.9
39	39.2	28.0	42.0





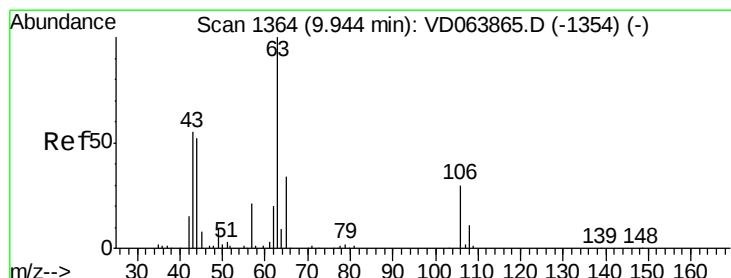
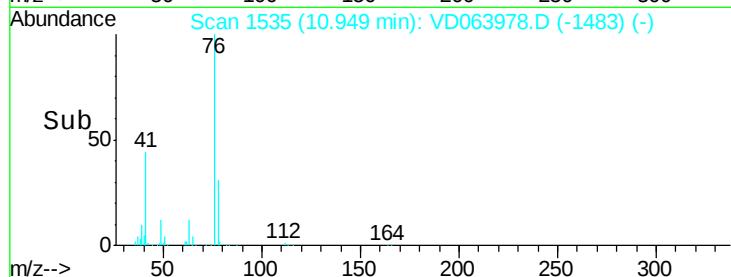
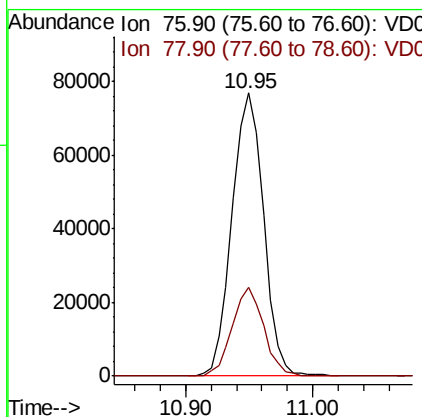
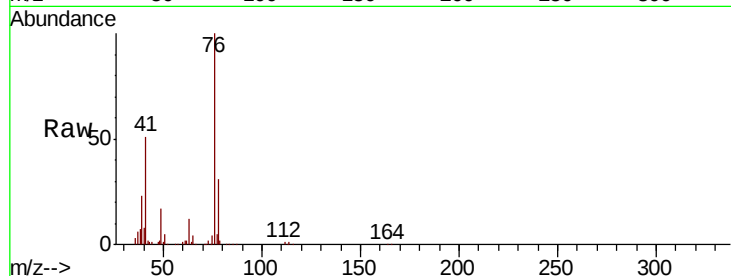
#57
 1,3-Dichloropropane
 Concen: 51.497 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.2	26.6	40.0

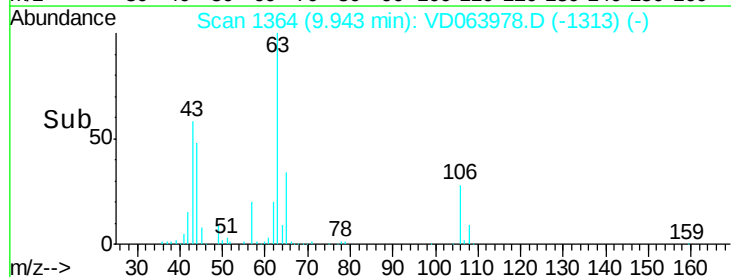
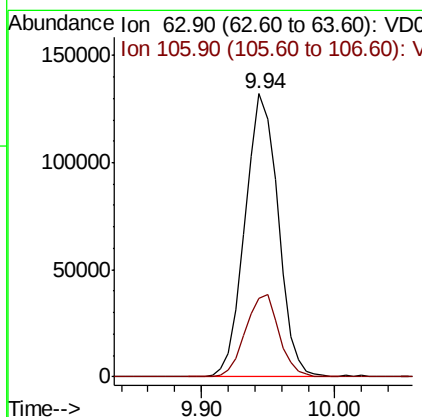
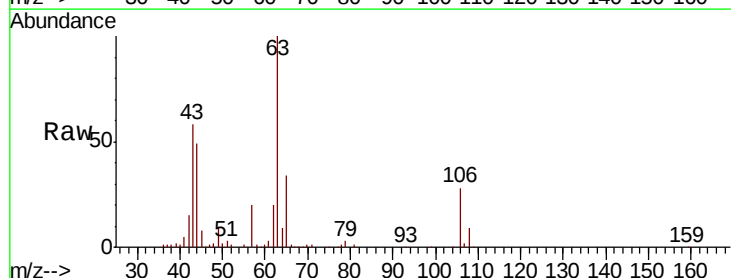
Manual Integrations
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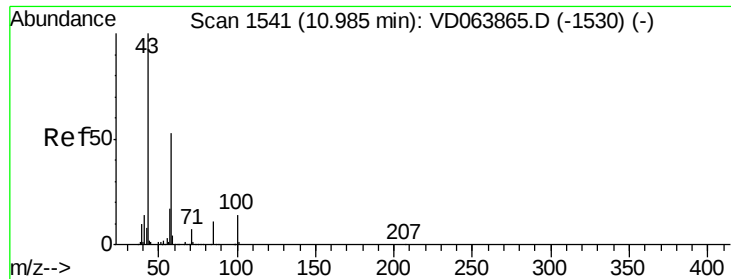
MMDadoda
 10/18/2019 12:41:46 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 275.329 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	24.3	36.5





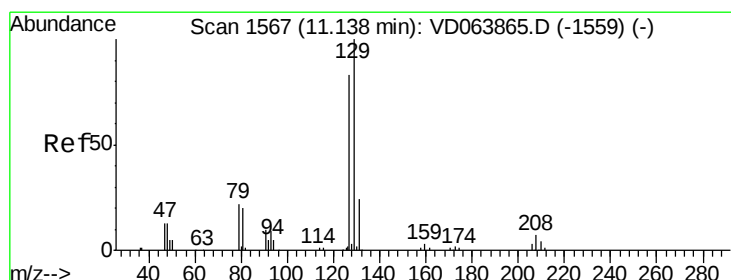
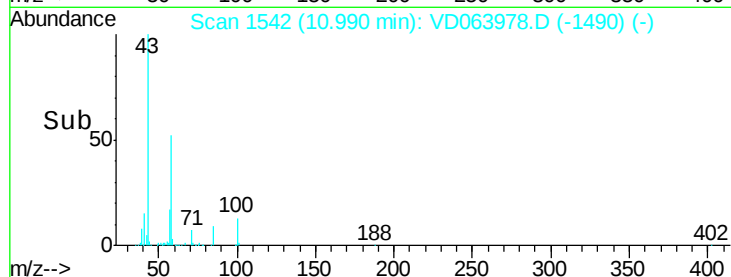
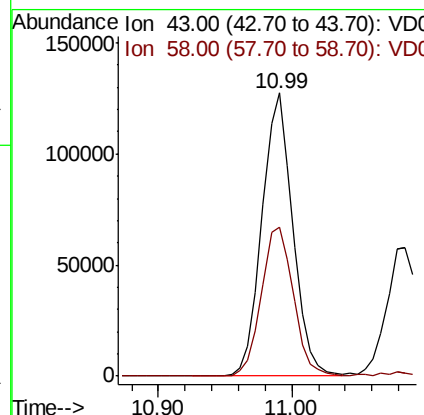
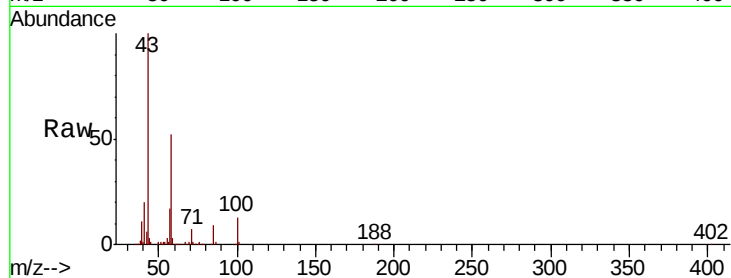
#59
2-Hexanone
Concen: 242.040 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 203892
Ion Ratio Lower Upper
43 100
58 54.6 27.7 83.0

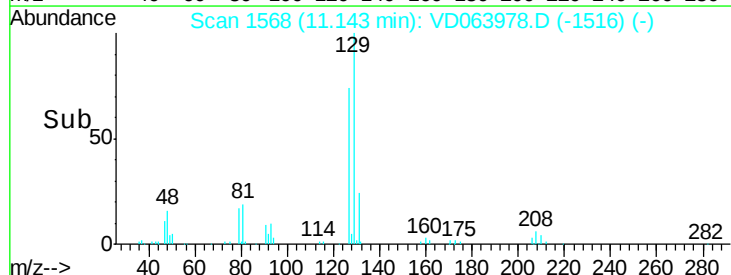
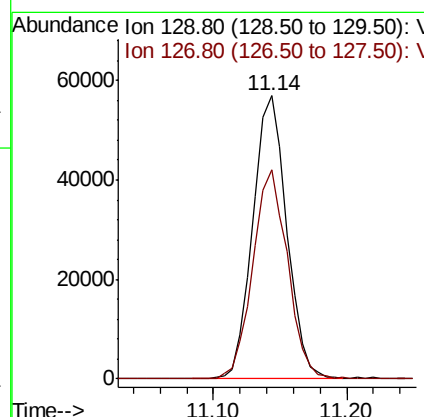
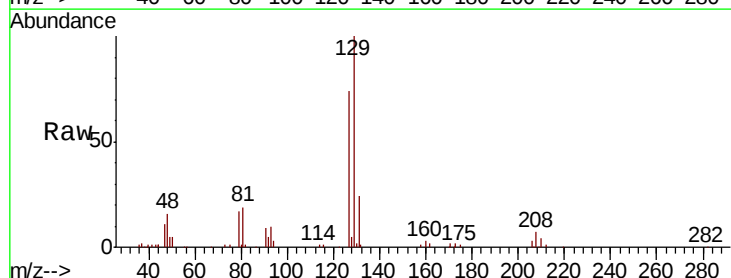
Manual Integrations
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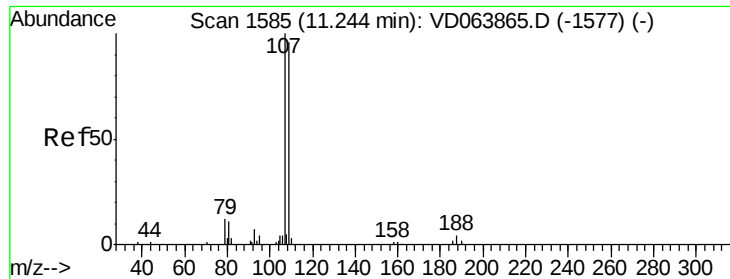
MMDadoda
10/18/2019 12:41:46 AM



#60
Dibromochloromethane
Concen: 50.760 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 129 Resp: 99801
Ion Ratio Lower Upper
129 100
127 75.6 39.9 119.6





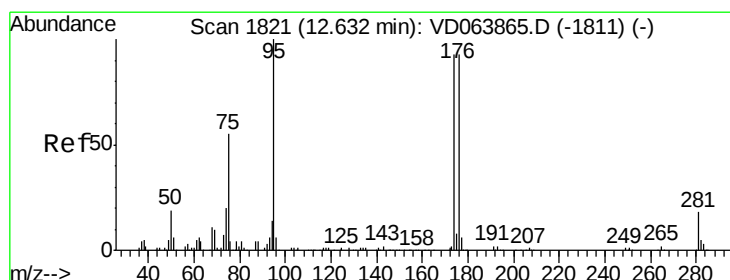
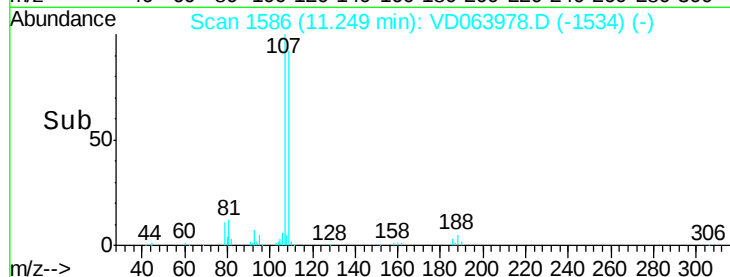
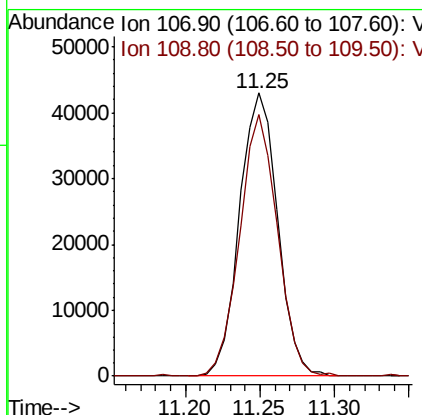
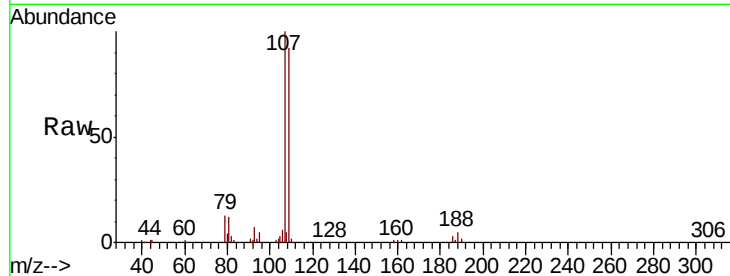
#61
 1,2-Dibromoethane
 Concen: 51.816 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 75862
 Ion Ratio Lower Upper
 107 100
 109 91.7 75.2 112.8

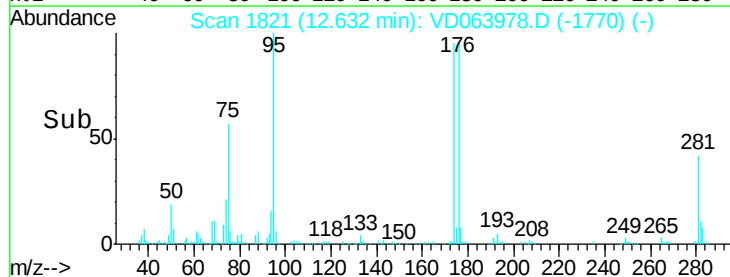
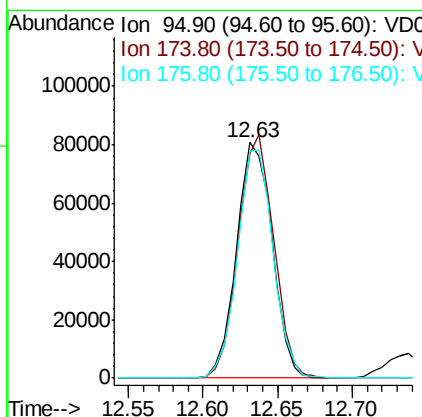
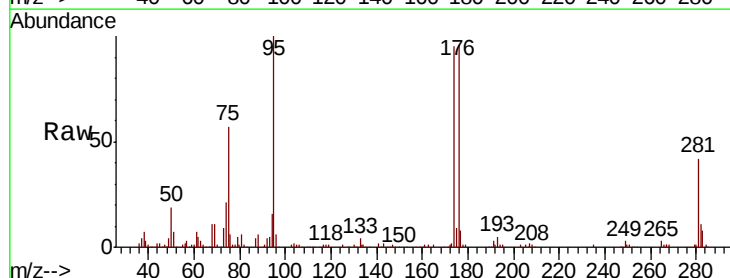
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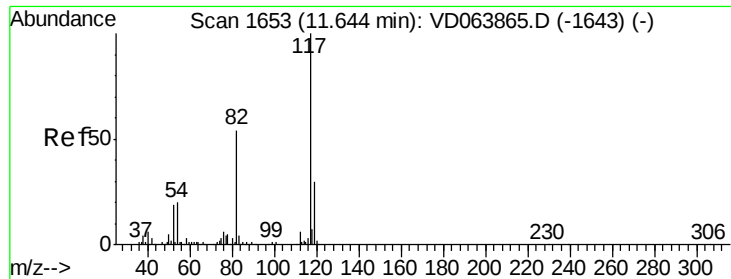
MMDadoda
 10/18/2019 12:41:46 AM



#62
 4-Bromofluorobenzene
 Concen: 53.208 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion: 95 Resp: 134306
 Ion Ratio Lower Upper
 95 100
 174 102.0 0.0 186.4
 176 96.7 0.0 184.2





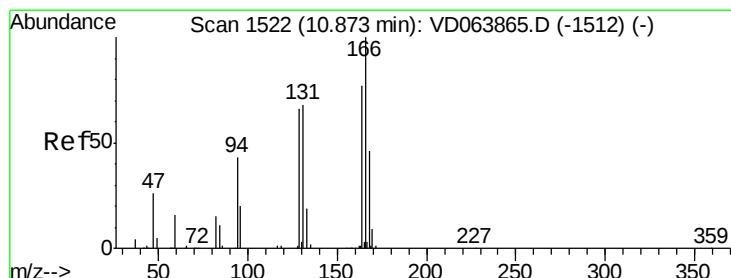
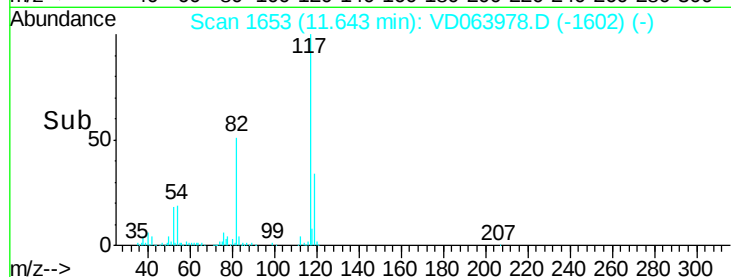
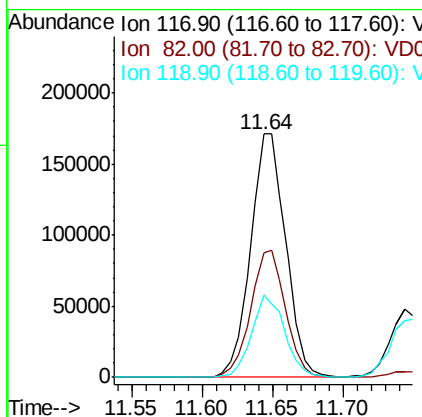
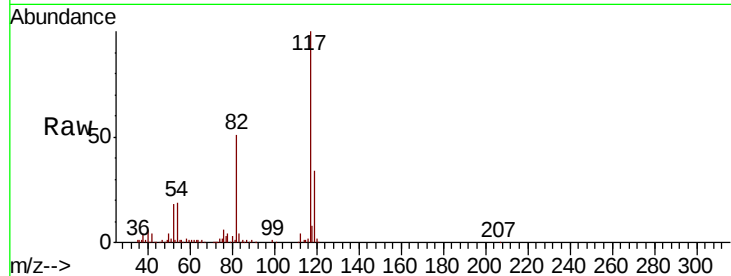
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	42.8	64.2
119	33.6	24.4	36.6

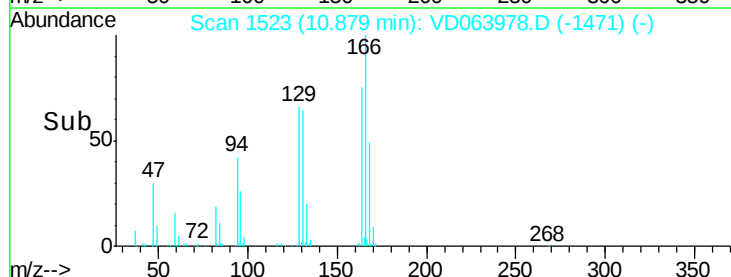
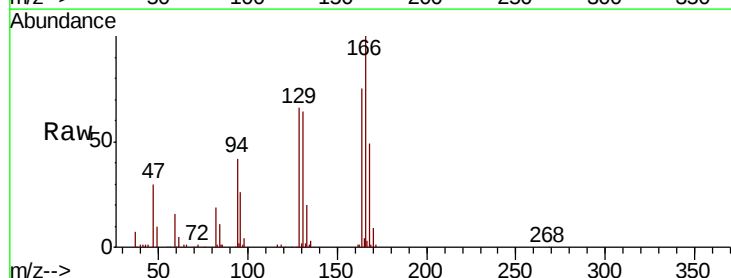
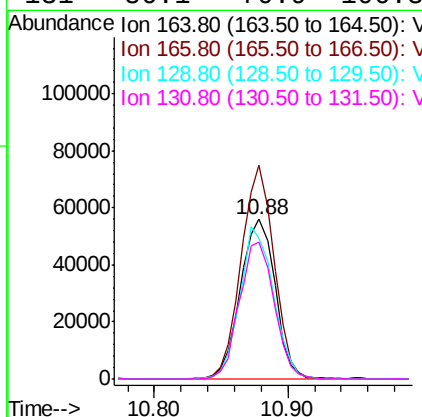
Manual Integrations
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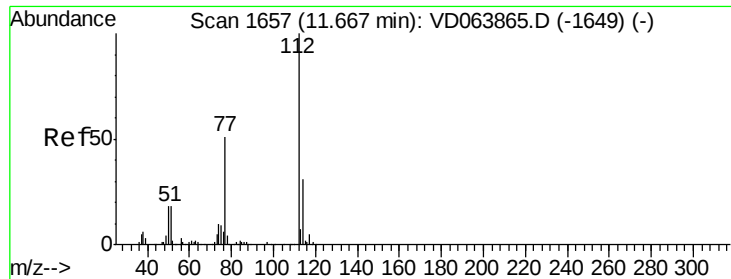
MMDadoda
10/18/2019 12:41:46 AM



#64
Tetrachloroethene
Concen: 49.490 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.0	103.8	155.6
129	88.0	68.9	103.3
131	86.1	70.9	106.3





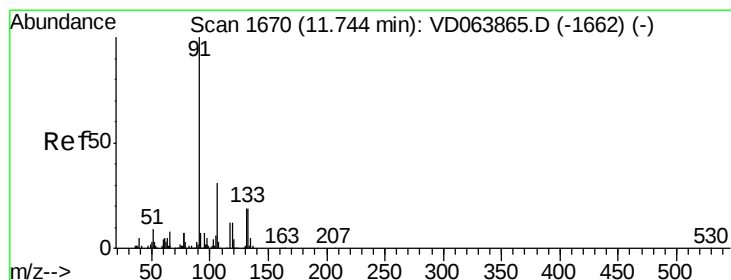
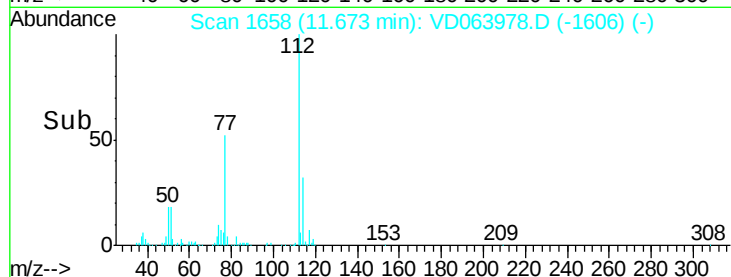
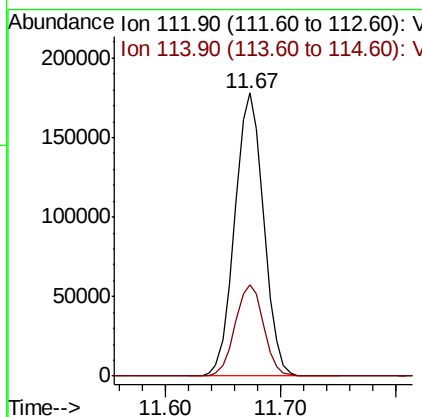
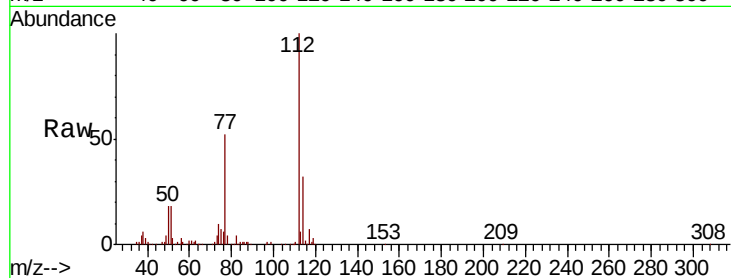
#65
Chlorobenzene
Concen: 51.267 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.1	37.7

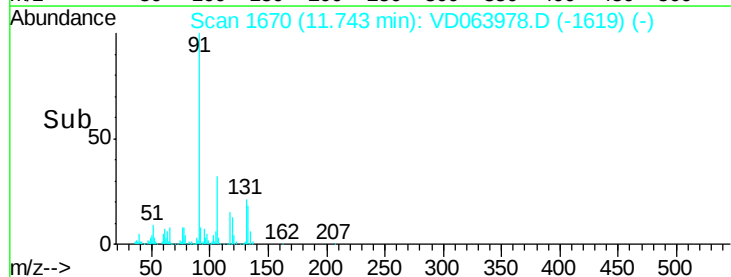
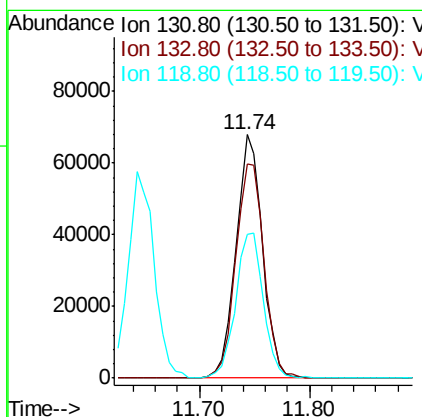
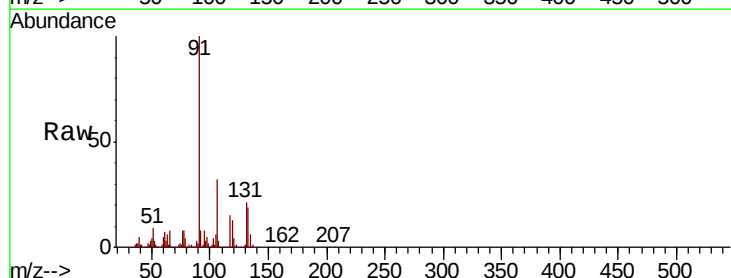
Manual Integrations
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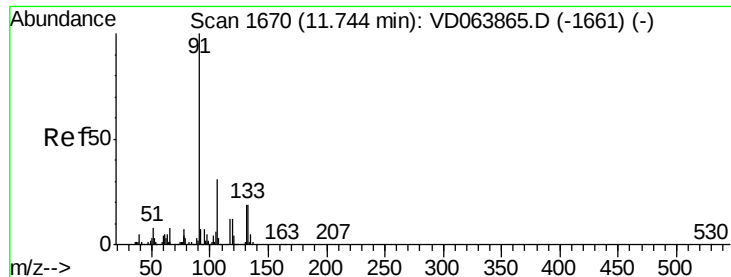
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.678 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.1	48.9	146.7
119	62.4	32.6	97.8





#67

Ethyl Benzene

Concen: 50.454 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050EC

Tot Ion: 91 Resp: 546535

Ion Ratio Lower Upper

91 100

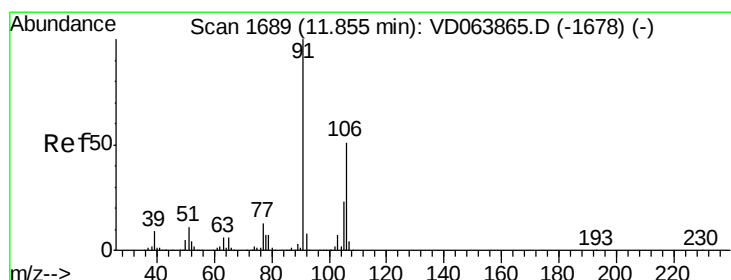
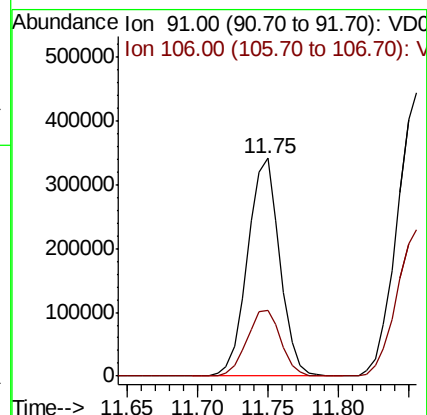
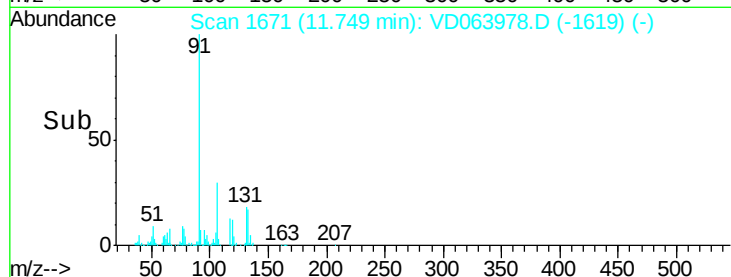
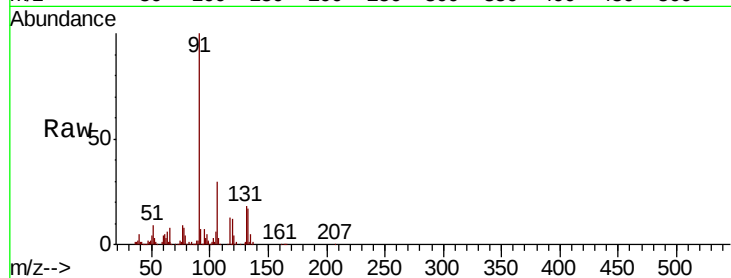
106 30.5 24.6 37.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 105.568 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063978.D

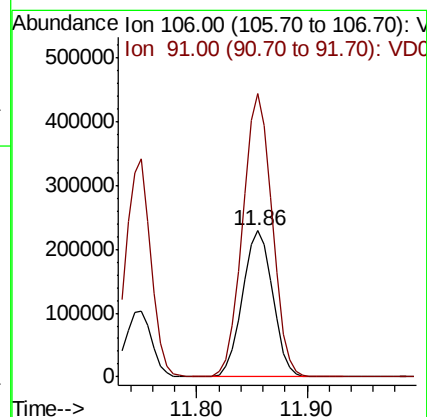
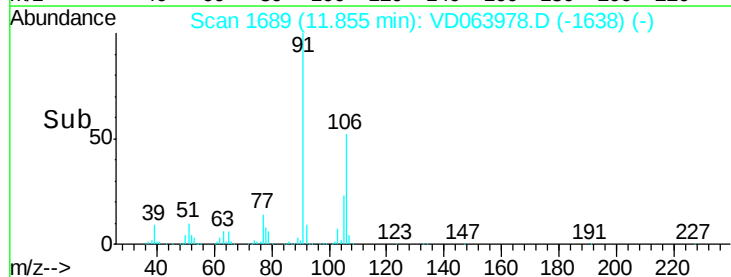
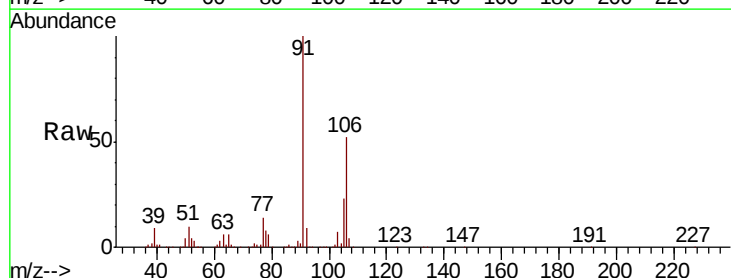
Acq: 15 Oct 2019 18:09

Tgt Ion: 106 Resp: 441392

Ion Ratio Lower Upper

106 100

91 189.0 154.8 232.2





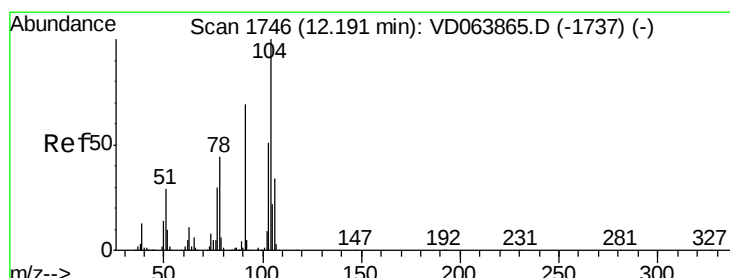
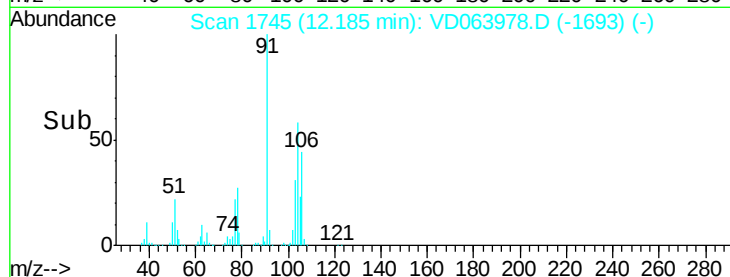
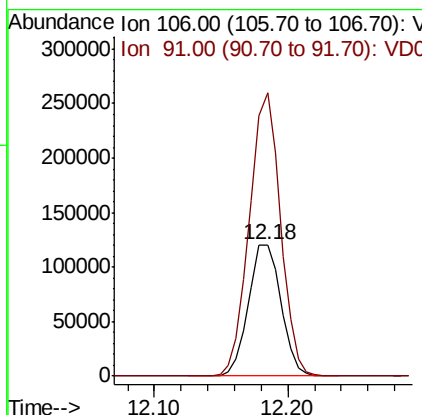
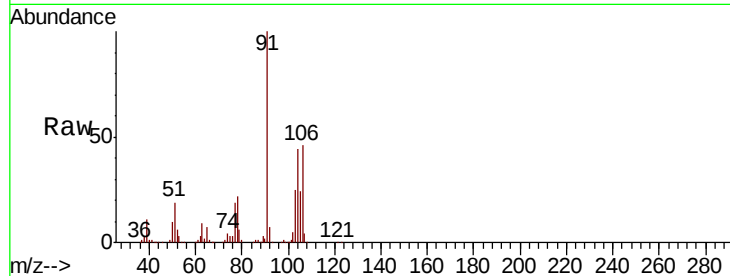
#69
o-Xylene
Concen: 50.817 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.3	103.9	311.7

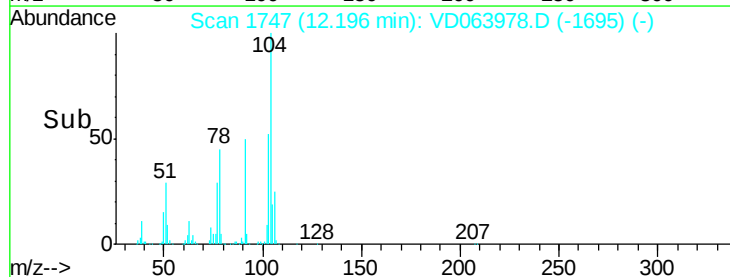
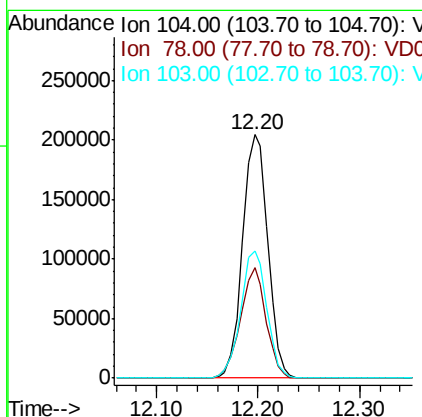
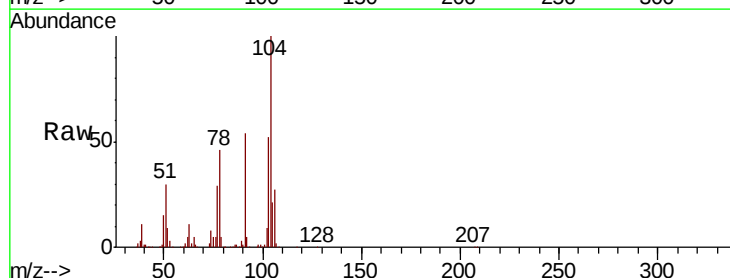
Manual Integrations
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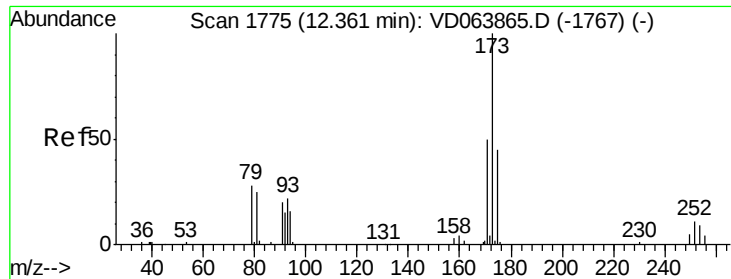
MMDadoda
10/18/2019 12:41:46 AM



#70
Styrene
Concen: 52.105 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.9	37.0	55.4
103	54.2	44.2	66.4





#71

Bromoform

Concen: 52.624 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 62516

Ion Ratio Lower Upper

173 100

175 50.9 24.6 74.0

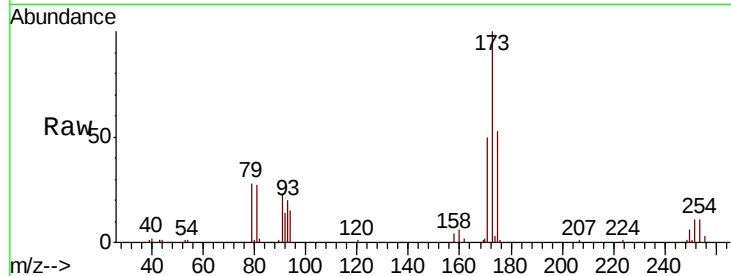
254 0.0 0.0 0.0

Manual Integrations

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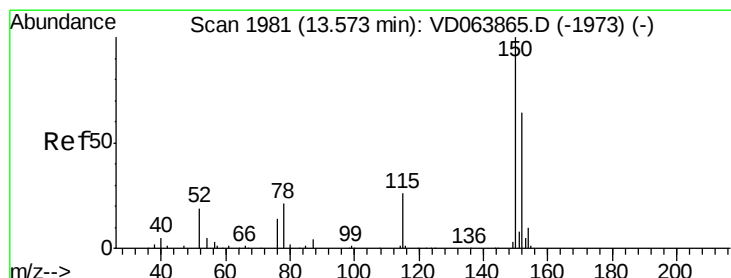
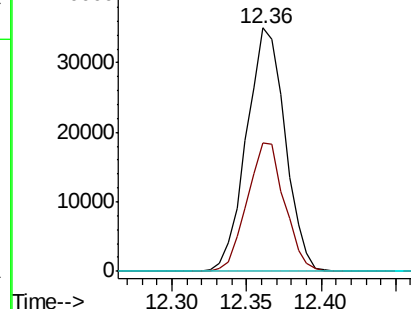
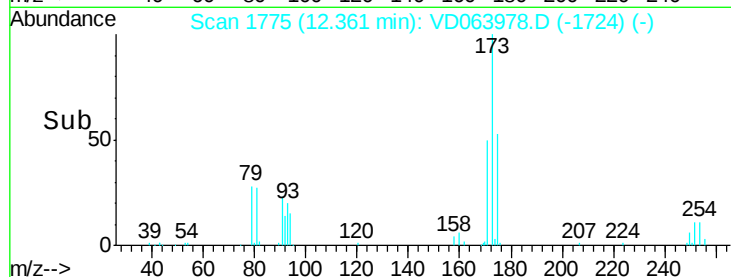
10/18/2019 12:41:46 AM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

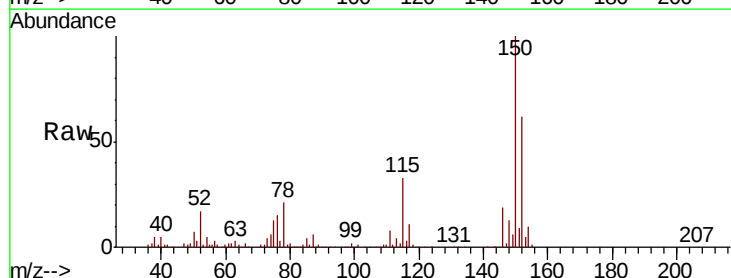
Tgt Ion:152 Resp: 168474

Ion Ratio Lower Upper

152 100

115 52.7 25.9 77.7

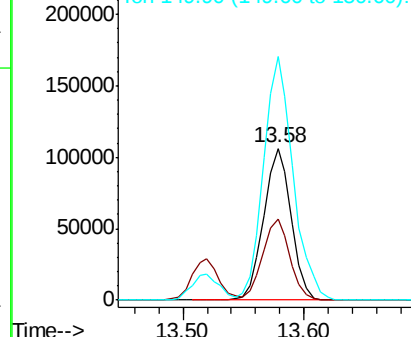
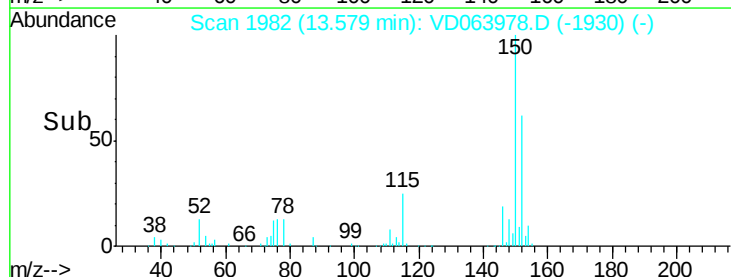
150 172.7 0.0 344.2

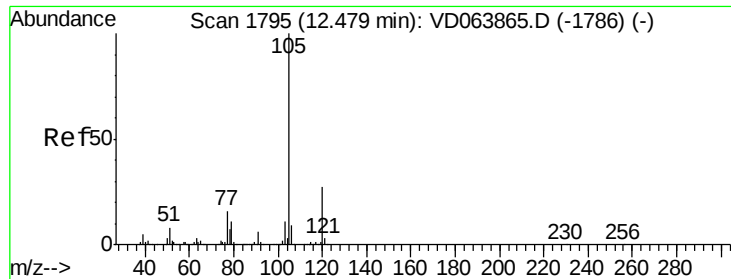


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.805 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 552747

Ion Ratio Lower Upper

105 100

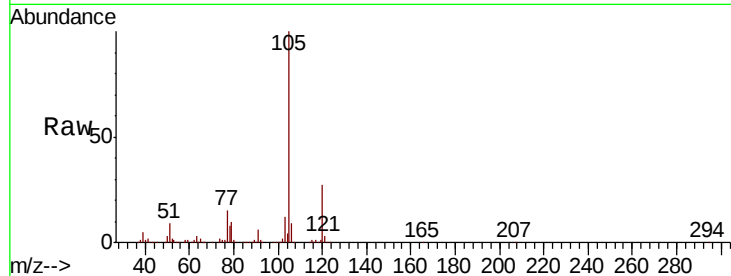
120 27.1 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

400000

300000

200000

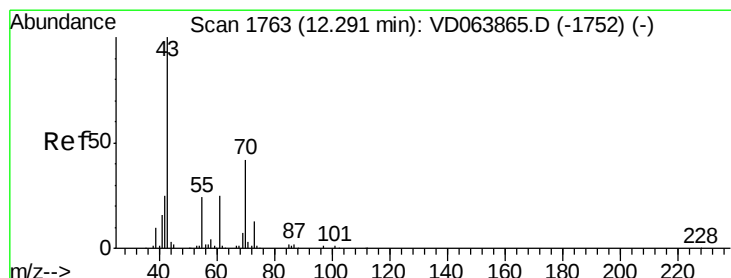
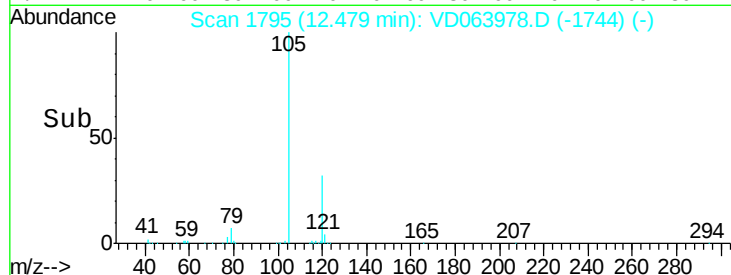
100000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 44.089 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion: 43 Resp: 107508

Ion Ratio Lower Upper

43 100

70 44.3 35.8 53.6

55 24.1 19.4 29.0

61 24.0 20.4 30.6

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

100000

80000

60000

40000

20000

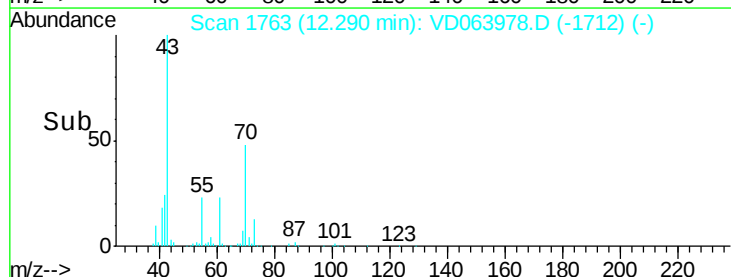
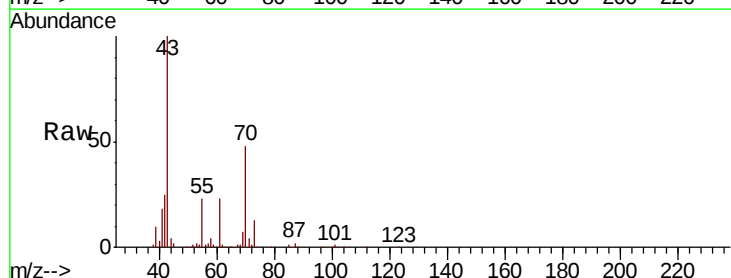
0

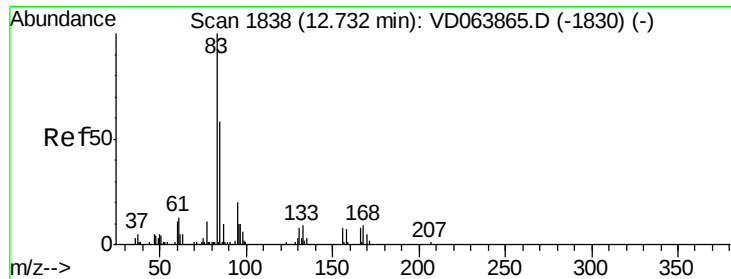
12.20

12.30

12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.563 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

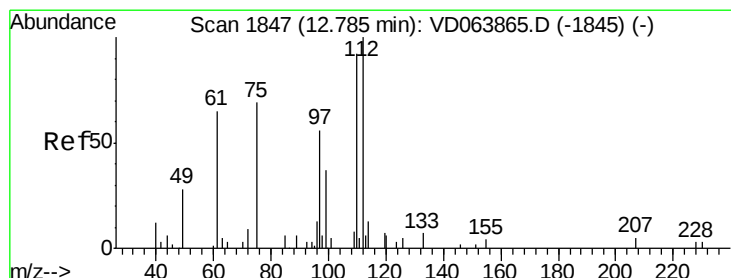
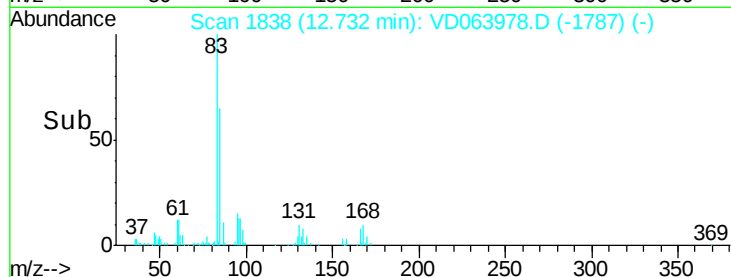
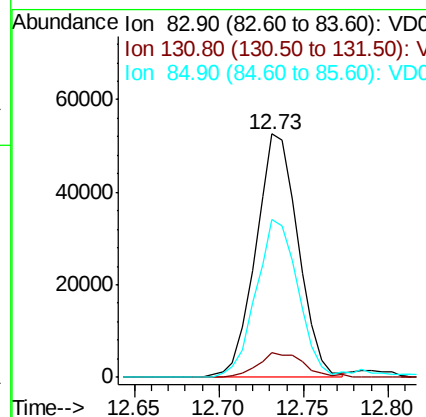
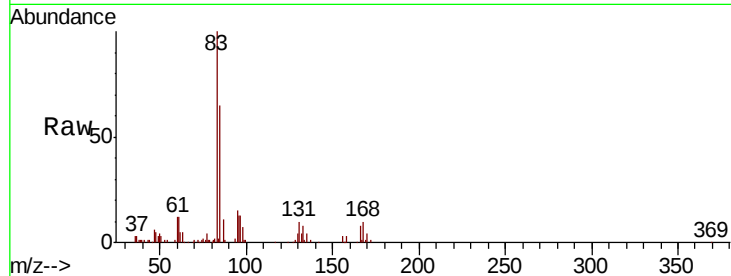
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	91766
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	64.7	32.3	96.8

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#76

1,2,3-Trichloropropane

Concen: 52.593 ug/l m

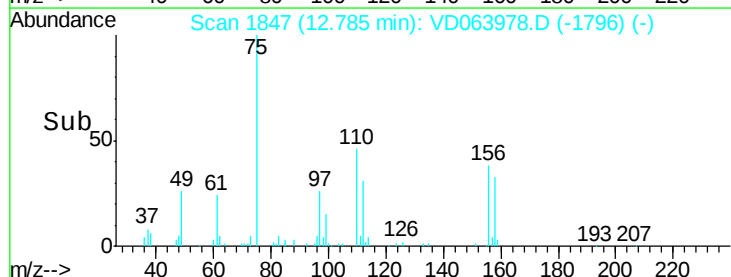
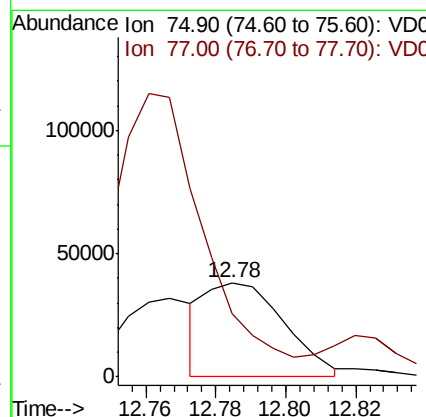
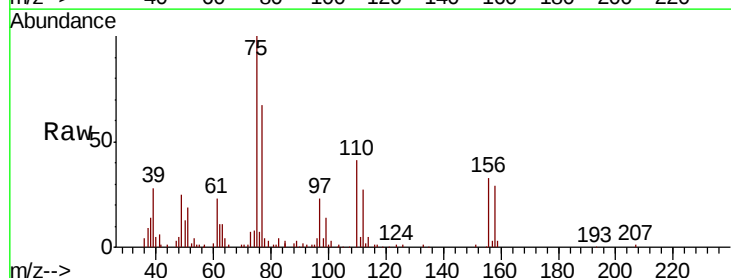
RT: 12.78 min Scan# 1847

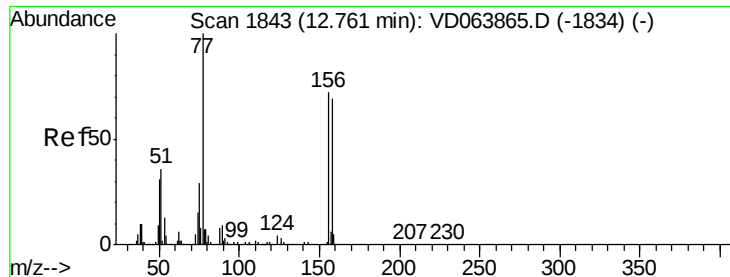
Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	75	Resp:	59345
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





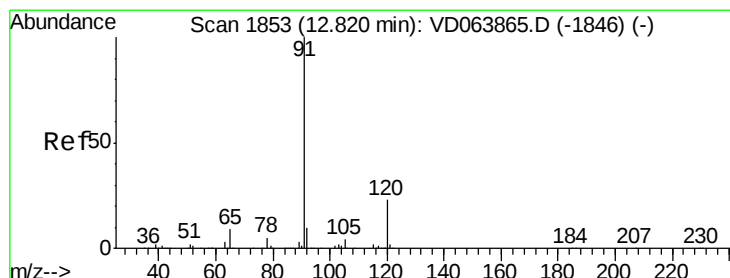
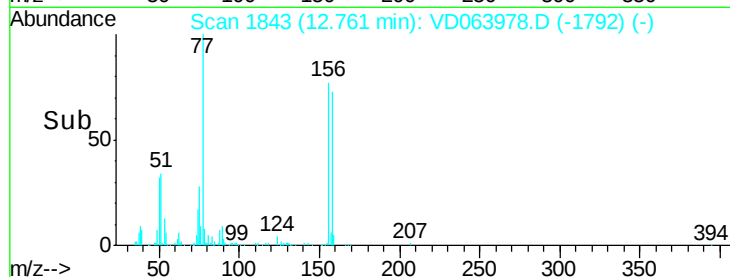
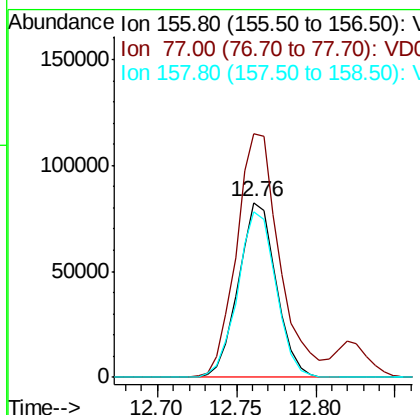
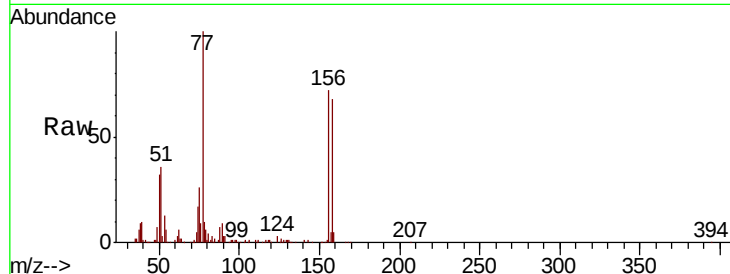
#77
Bromobenzene
Concen: 48.235 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	159.1	80.3	241.0
158	96.3	47.4	142.2

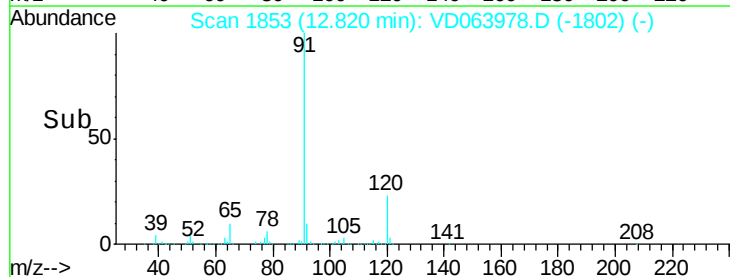
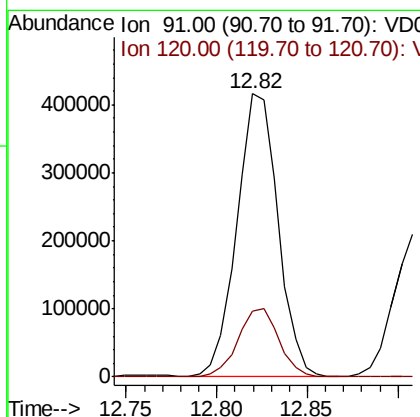
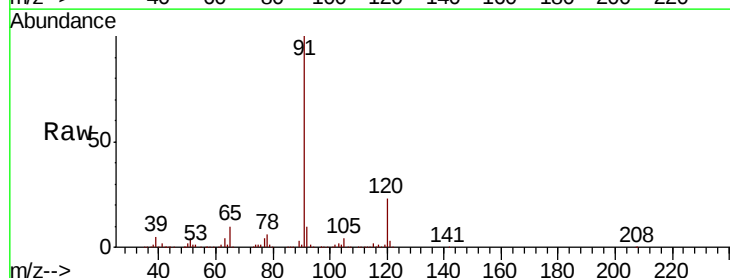
Manual Integrations
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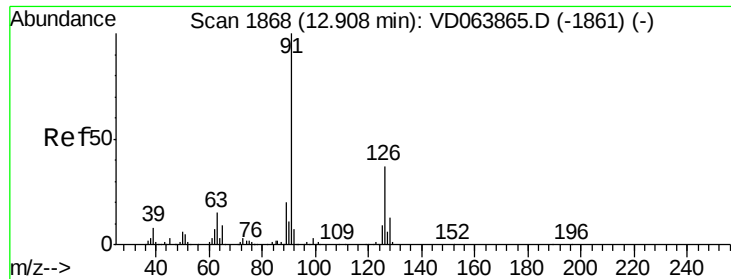
MMDadoda
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#78
n-propylbenzene
Concen: 49.198 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.0	12.0	36.0





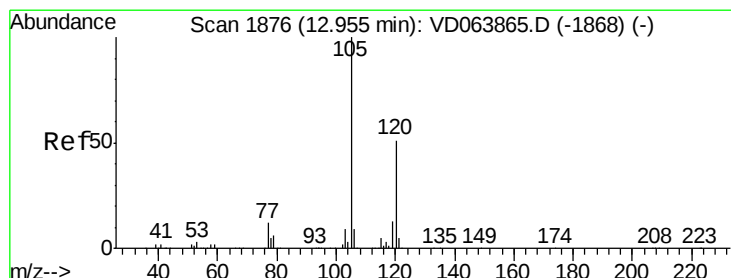
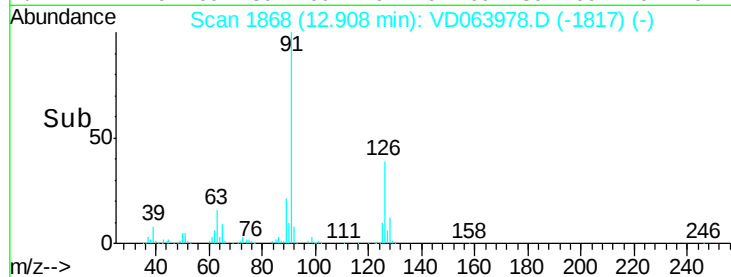
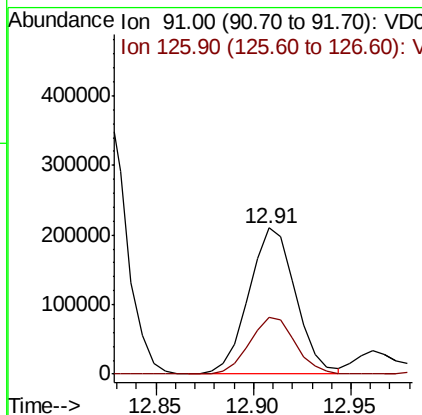
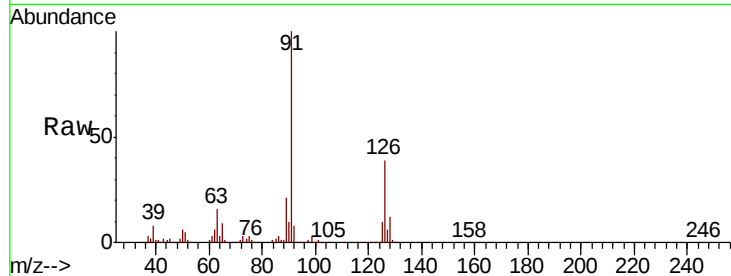
#79
2-Chlorotoluene
Concen: 47.458 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 347879
Ion Ratio Lower Upper
91 100
126 38.1 18.4 55.2

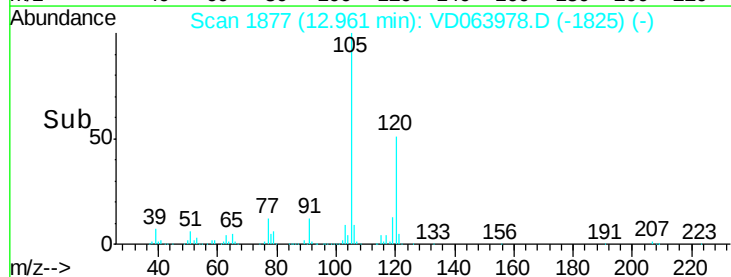
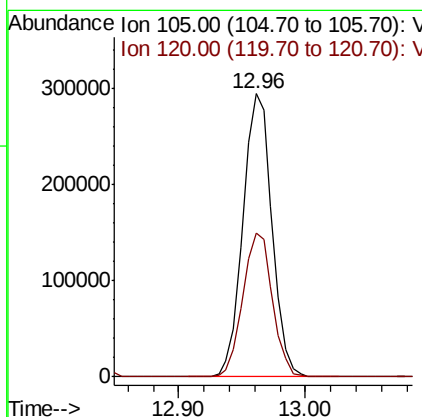
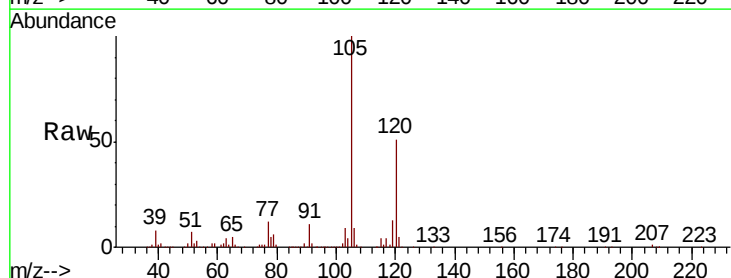
Manual Integrations
APPROVED

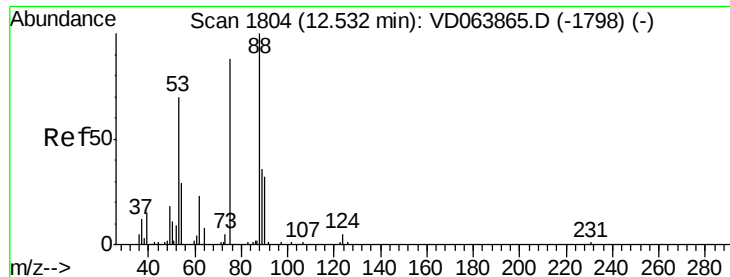
MMDadoda
10/18/2019 12:41:46 AM



#80
1,3,5-Trimethylbenzene
Concen: 49.466 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion: 105 Resp: 467392
Ion Ratio Lower Upper
105 100
120 51.9 25.9 77.8





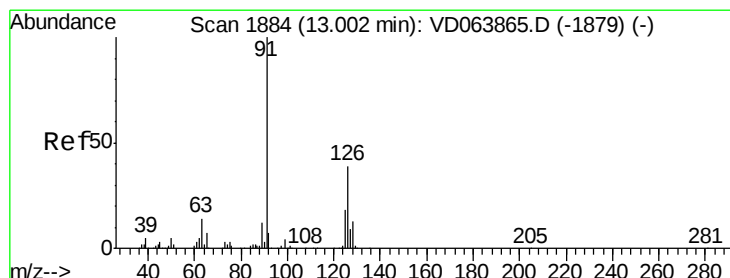
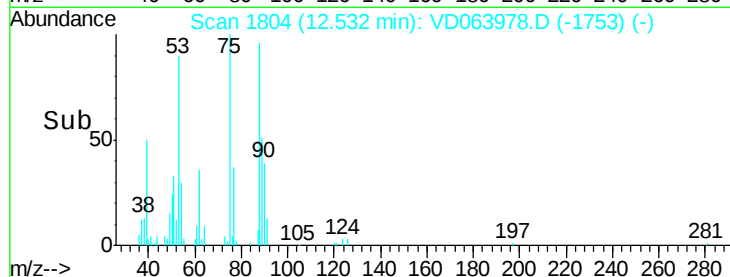
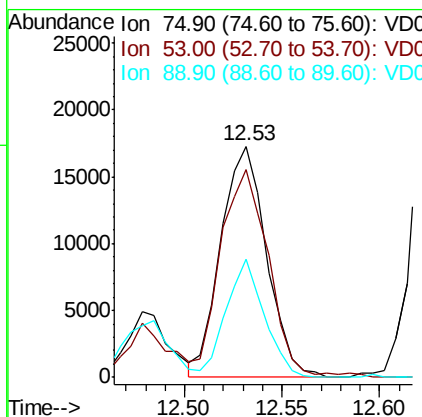
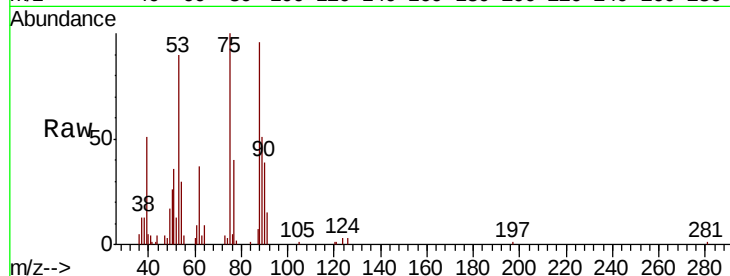
#81
trans-1,4-Dichloro-2-butene
Concen: 43.878 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.4	75.0	112.6
89	42.6	38.2	57.4

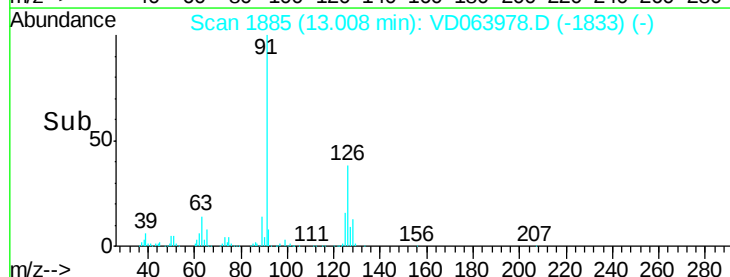
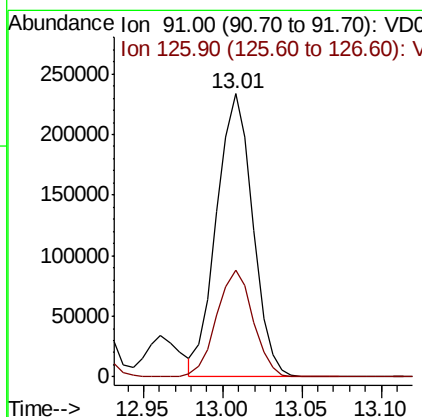
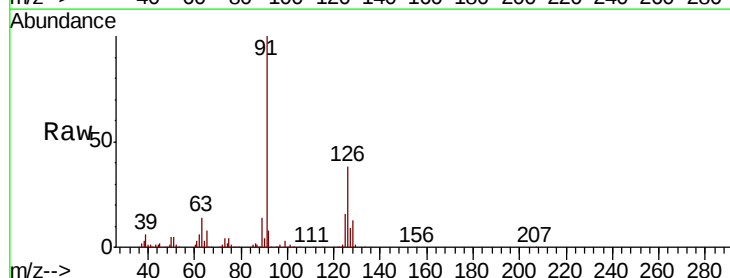
Manual Integrations
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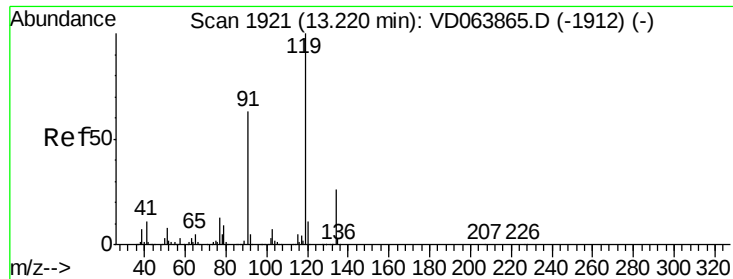
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#82
4-Chlorotoluene
Concen: 47.759 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.0	18.6	55.8





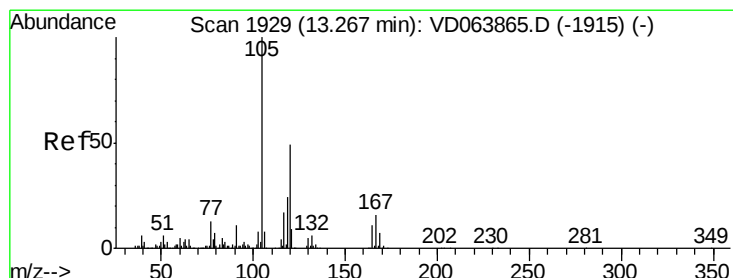
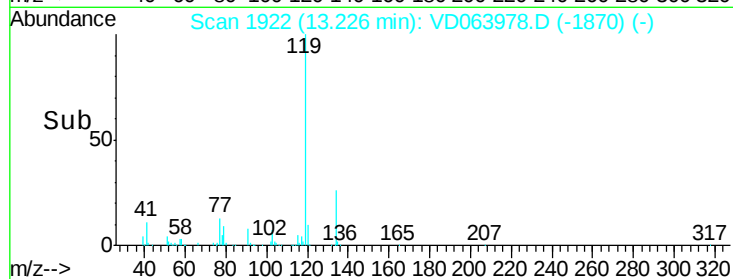
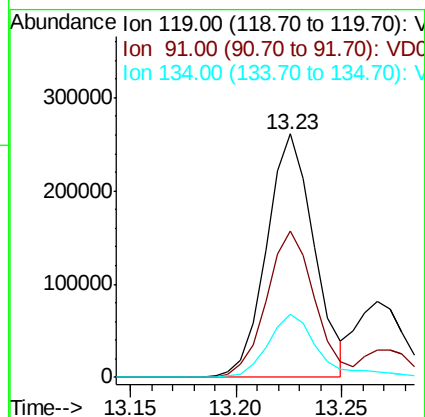
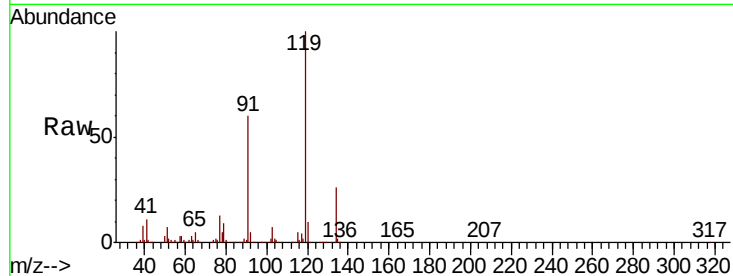
#83
tert-Butylbenzene
Concen: 48.527 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.9	30.0	90.0
134	28.0	13.0	38.9

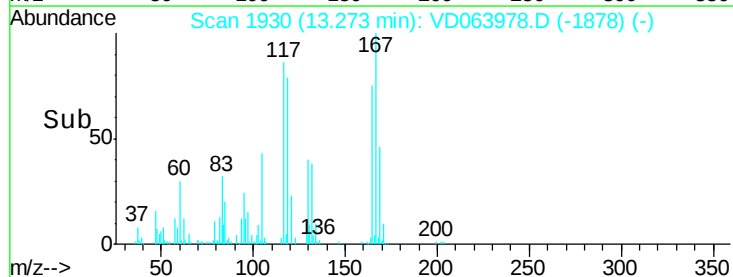
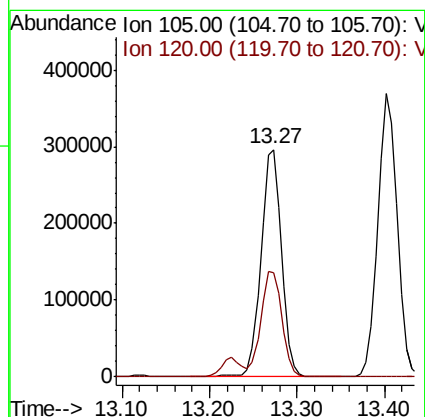
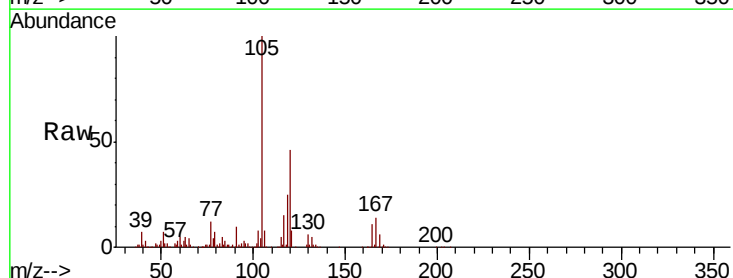
Manual Integrations
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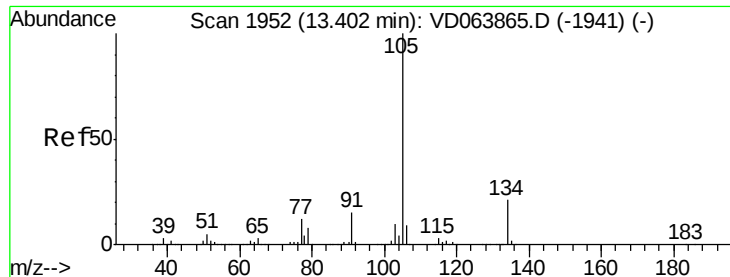
MMDadoda
10/18/2019 12:41:46 AM



#84
1,2,4-Trimethylbenzene
Concen: 49.085 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.5





#85

sec-Butylbenzene

Concen: 50.236 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 570495

Ion Ratio Lower Upper

105 100

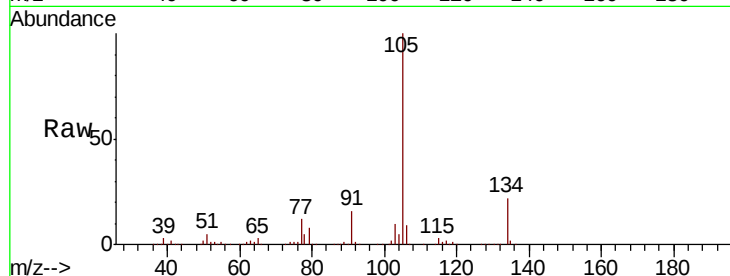
134 21.2 10.6 31.8

Manual Integrations

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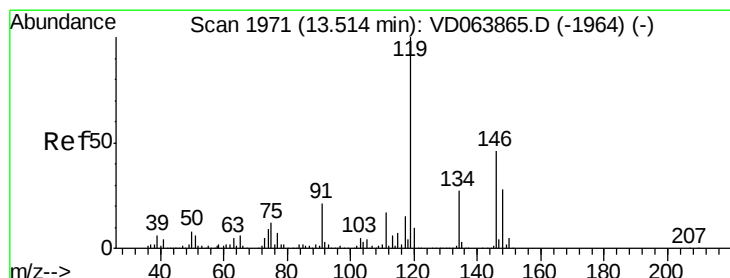
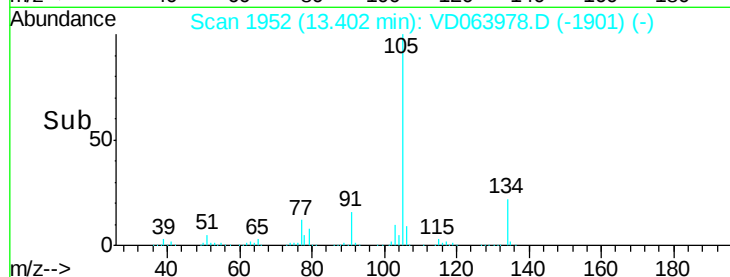
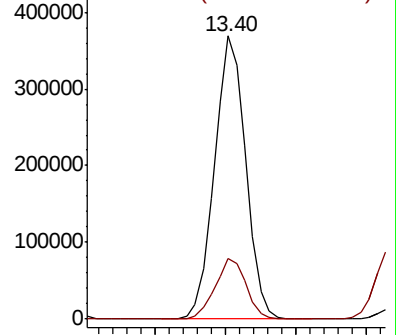
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 51.090 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

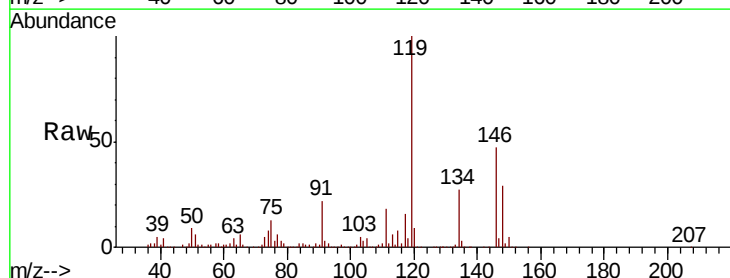
Tgt Ion:119 Resp: 549014

Ion Ratio Lower Upper

119 100

134 27.5 13.9 41.6

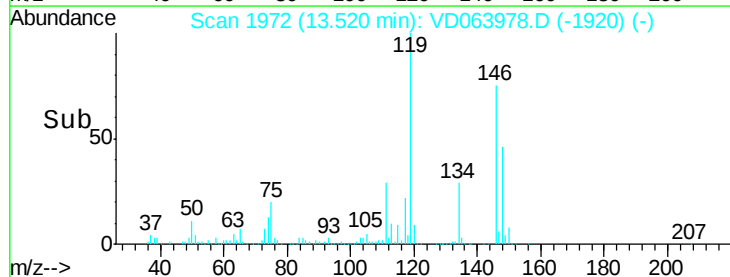
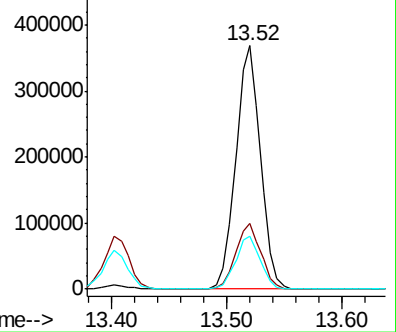
91 21.9 11.2 33.5

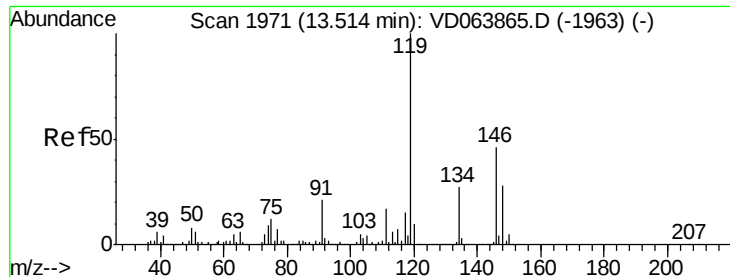


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





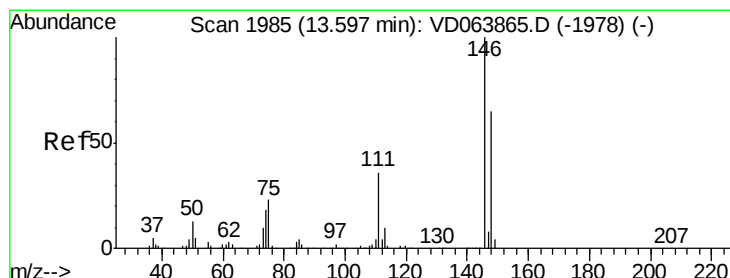
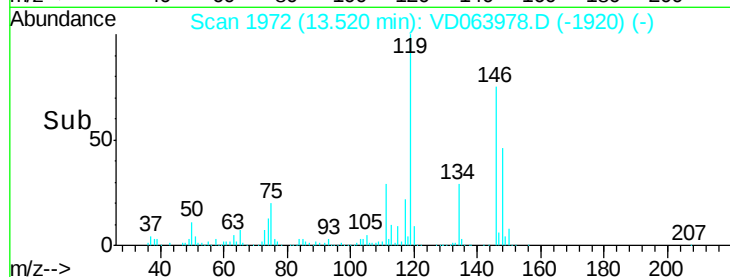
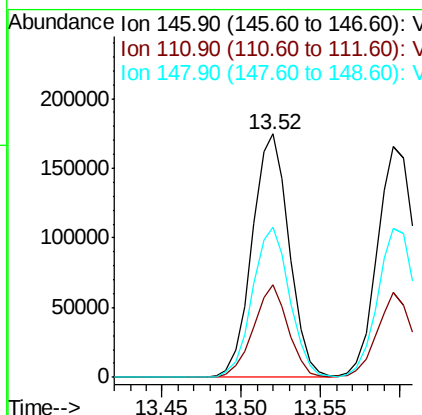
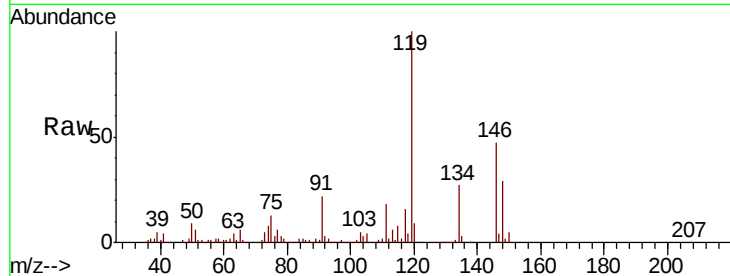
#87
 1,3-Dichlorobenzene
 Concen: 50.800 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.8	18.3	54.9
148	62.0	31.8	95.4

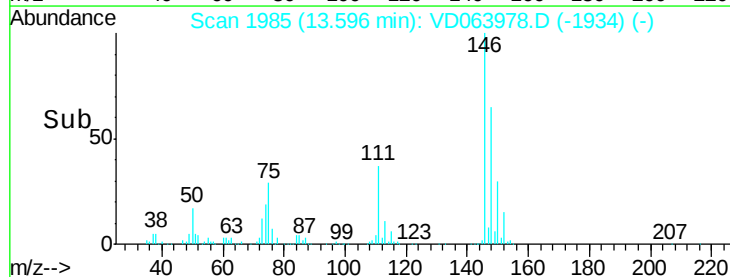
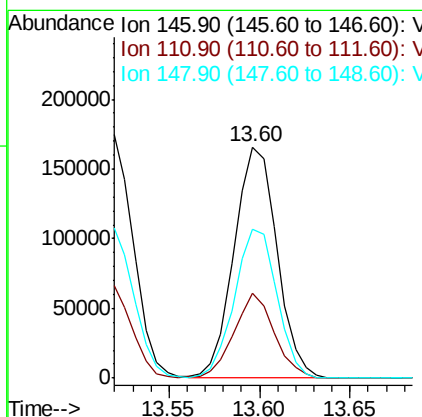
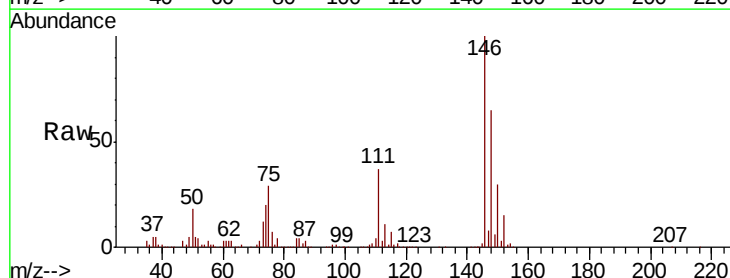
Manual Integrations
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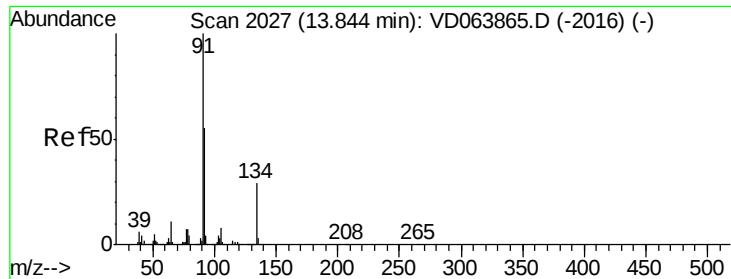
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 49.752 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	18.6	56.0
148	63.8	32.6	98.0





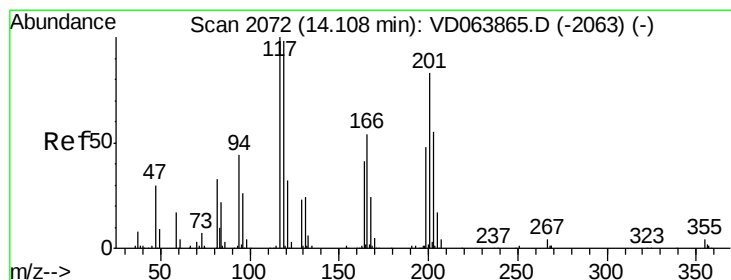
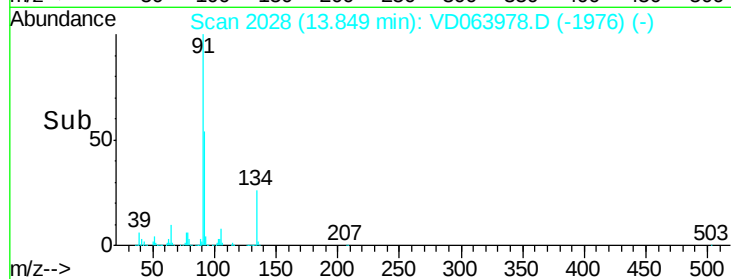
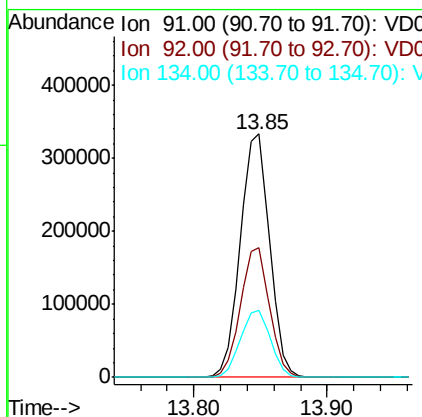
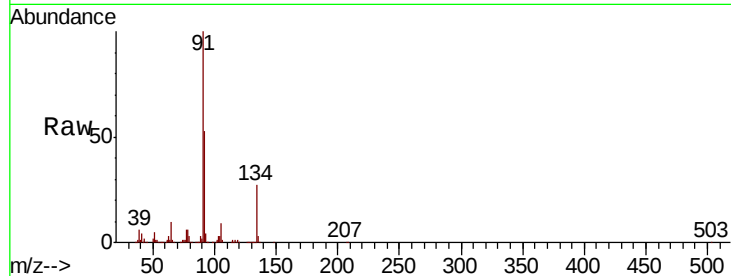
#89
n-Butylbenzene
Concen: 50.366 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.8	80.3
134	28.3	14.4	43.0

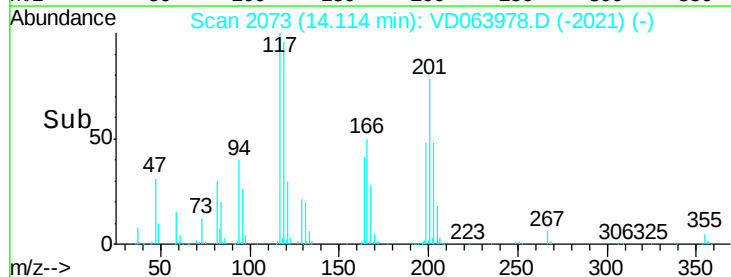
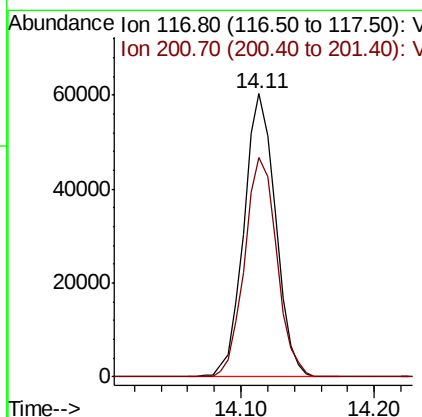
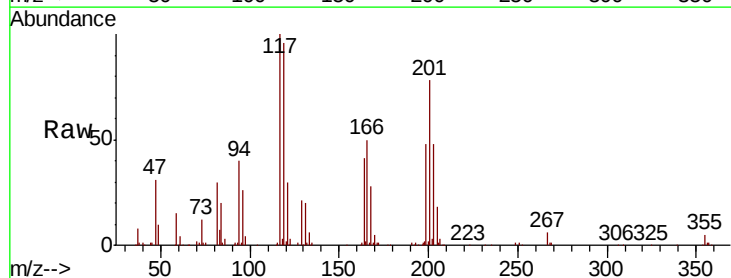
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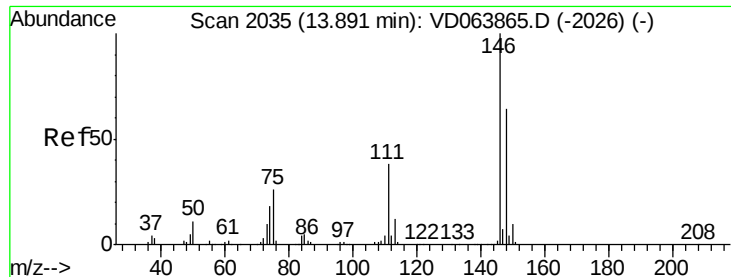
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#90
Hexachloroethane
Concen: 51.129 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063978.D
Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	40.6	121.7





#91

1,2-Dichlorobenzene

Concen: 49.130 ug/l

RT: 13.89 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

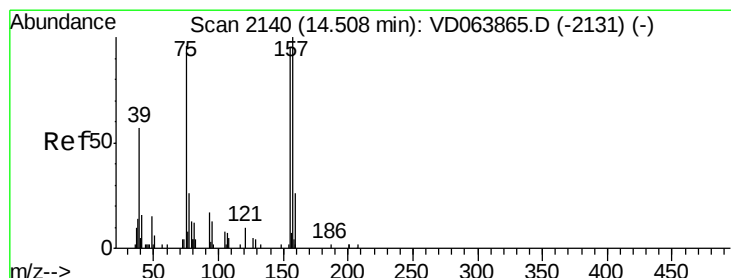
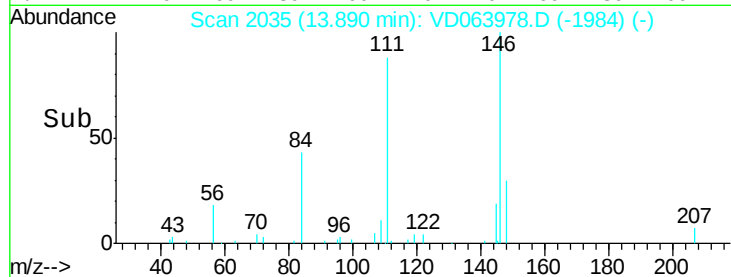
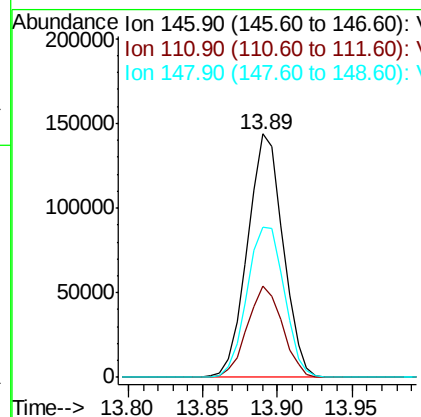
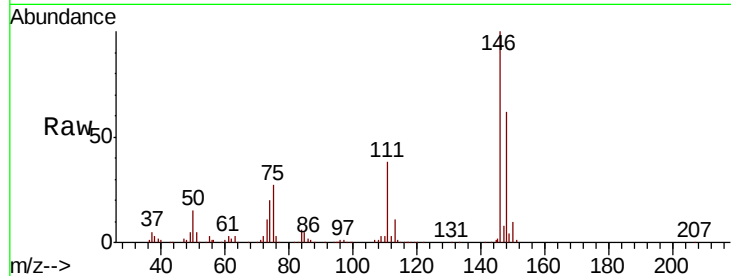
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	236059
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.6	55.6
148	65.0	31.6	95.0

Manual Integrations
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MMDadoda
10/18/2019 12:41:46 AM



#92

1,2-Dibromo-3-Chloropropane

Concen: 43.459 ug/l

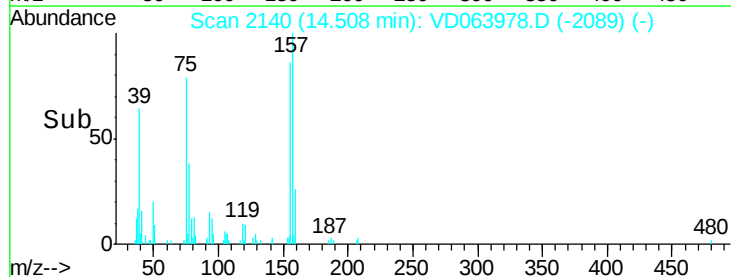
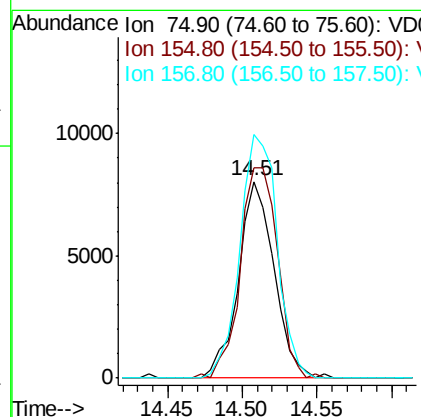
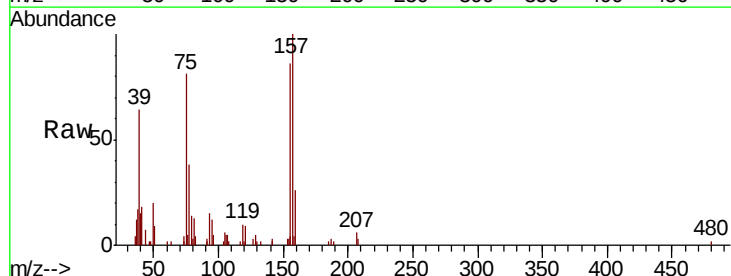
RT: 14.51 min Scan# 2140

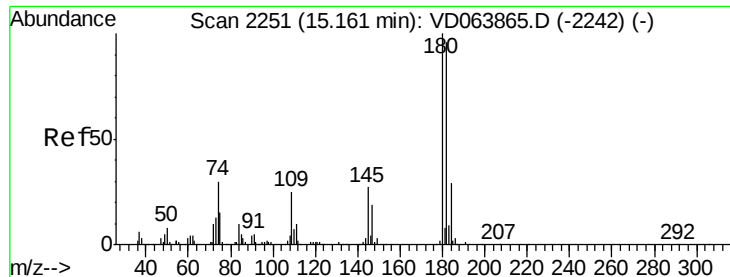
Delta R.T. -0.00 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	75	Resp:	13406
Ion Ratio	Lower	Upper	
75	100		
155	111.3	43.9	131.6
157	128.9	56.0	167.9





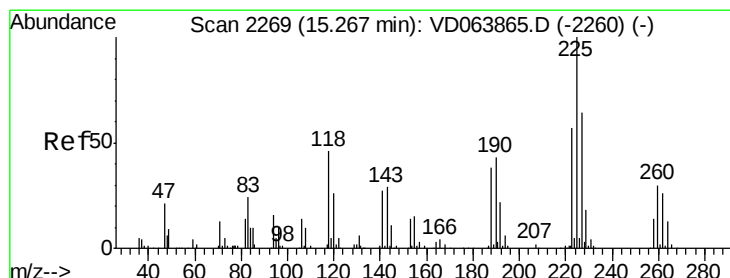
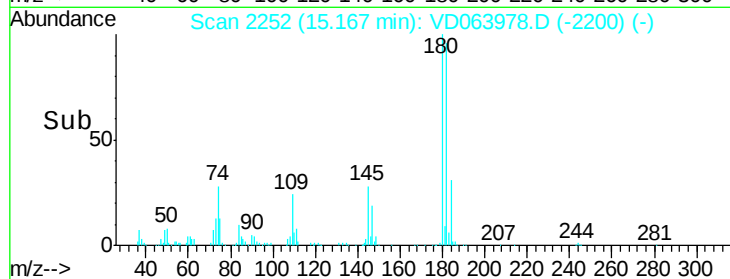
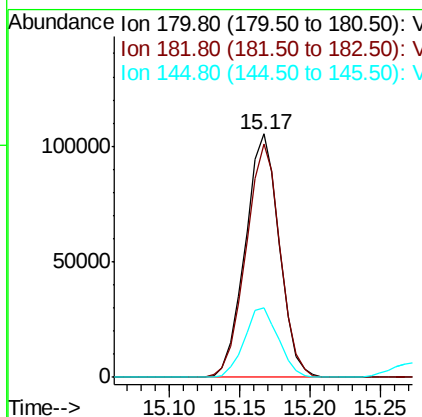
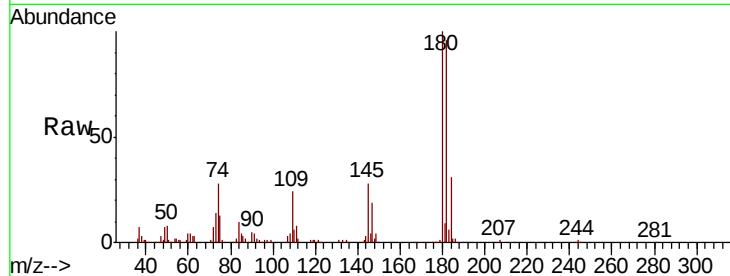
#93
 1,2,4-Trichlorobenzene
 Concen: 48.007 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	177980		
182	96.2	47.4	142.3	
145	28.9	13.9	41.7	

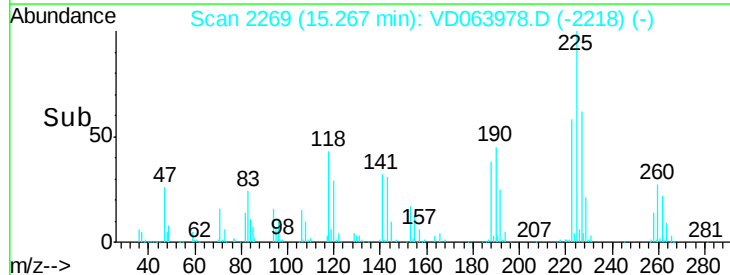
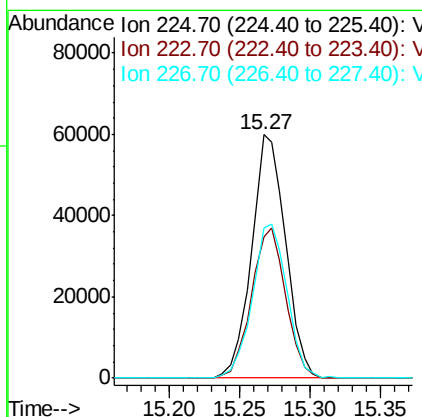
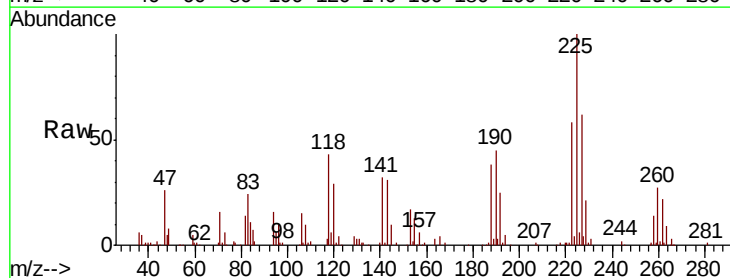
Manual Integrations
 APPROVED

MMDadoda
 10/18/2019 12:41:46 AM



#94
 Hexachlorobutadiene
 Concen: 49.410 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063978.D
 Acq: 15 Oct 2019 18:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101086		
223	62.4	29.5	88.6	
227	64.5	30.8	92.4	





#95

Naphthalene

Concen: 49.109 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Instrument :

MSVOA_D

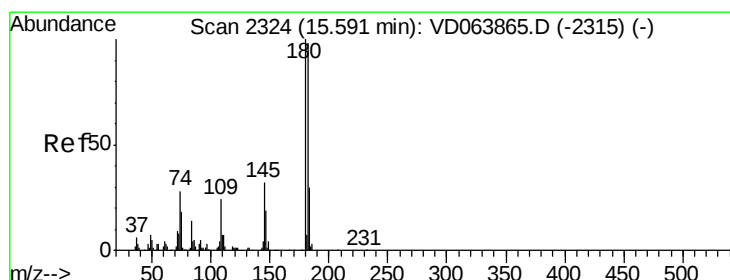
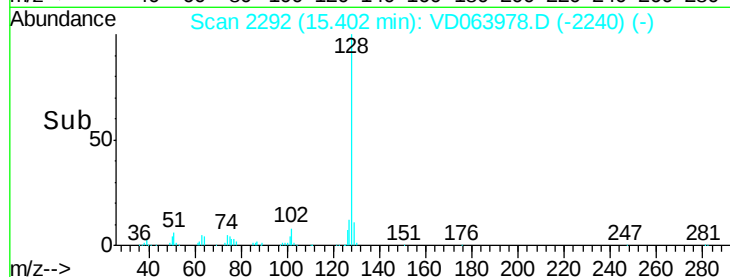
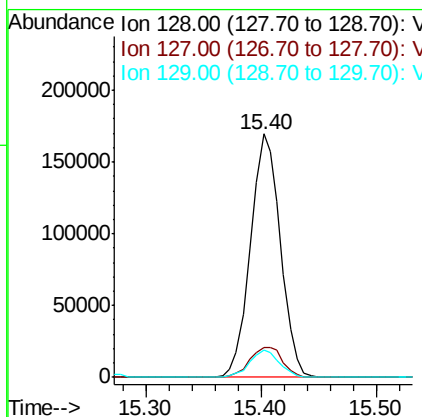
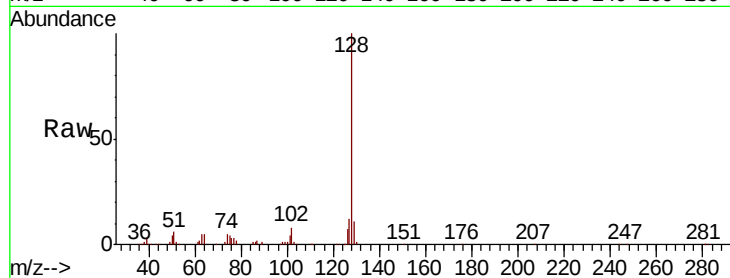
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	306013
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	16.0
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/18/2019 12:41:46 AM



#96

1,2,3-Trichlorobenzene

Concen: 48.060 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.01 min

Lab File: VD063978.D

Acq: 15 Oct 2019 18:09

Tgt Ion:	180	Resp:	153729
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.0	141.0
145	30.5	15.3	45.9

