

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100419\
 Data File : VD063884.D
 Acq On : 04 Oct 2019 11:47
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/8/2019 3:11:23 PM

Quant Time: Oct 05 03:57:02 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	213110	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	333323	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	325450	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	174543	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	94506	45.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.10%	
35) Dibromofluoromethane	7.91	113	94708	46.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.98%	
50) Toluene-d8	10.34	98	389705	47.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.26%	
62) 4-Bromofluorobenzene	12.63	95	128382	44.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75174	49.741	ug/l	90
3) Chloromethane	2.21	50	199108	48.654	ug/l	97
4) Vinyl Chloride	2.35	62	219700	44.978	ug/l	95
5) Bromomethane	2.77	94	134566	42.851	ug/l	96
6) Chloroethane	2.93	64	141133	43.689	ug/l	92
7) Trichlorofluoromethane	3.27	101	285385	44.189	ug/l	96
8) Diethyl Ether	3.71	74	48163	46.463	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86606	48.446	ug/l	97
10) Methyl Iodide	4.30	142	119375	48.461	ug/l	98
11) Tert butyl alcohol	5.24	59	40909	284.935	ug/l	100
12) 1,1-Dichloroethene	4.06	96	83935	46.995	ug/l	98
13) Acrolein	3.93	56	48321	260.761	ug/l	97
14) Allyl chloride	4.70	41	134042	45.141	ug/l	98
15) Acrylonitrile	5.43	53	110831	242.510	ug/l	97
16) Acetone	4.16	43	133021	246.253	ug/l	99
17) Carbon Disulfide	4.40	76	297607	45.839	ug/l #	94
18) Methyl Acetate	4.72	43	47806	45.248	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	227251	49.136	ug/l	94
20) Methylene Chloride	4.96	84	117607	49.008	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	109937	49.445	ug/l	95
22) Diisopropyl ether	6.37	45	283688	46.779	ug/l	96
23) Vinyl Acetate	6.31	43	882784	244.696	ug/l	99
24) 1,1-Dichloroethane	6.26	63	177672	47.564	ug/l	96
25) 2-Butanone	7.22	43	155975	243.646	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	165392	48.946	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	120734	47.975	ug/l	99
28) Bromochloromethane	7.55	49	71716	50.479	ug/l	97
29) Tetrahydrofuran	7.57	42	85413	228.587	ug/l	98
30) Chloroform	7.71	83	192275	47.391	ug/l	99
31) Cyclohexane	7.98	56	156943	50.888	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	171155	49.179	ug/l	98
36) 1,1-Dichloropropene	8.11	75	145673	47.798	ug/l	98
37) Ethyl Acetate	7.30	43	61985	50.784	ug/l	97
38) Carbon Tetrachloride	8.10	117	150533	48.878	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177652	47.409	ug/l	93
40) Benzene	8.35	78	424377	48.591	ug/l	97
41) Methacrylonitrile	7.54	41	35770m	50.623	ug/l	
42) 1,2-Dichloroethane	8.43	62	118817	47.031	ug/l	99
43) Isopropyl Acetate	8.46	43	120548	47.165	ug/l	99
44) Trichloroethene	9.11	130	125741	49.928	ug/l	100
45) 1,2-Dichloropropane	9.38	63	101601	47.528	ug/l	94
46) Dibromomethane	9.48	93	58086	47.711	ug/l	97
47) Bromodichloromethane	9.66	83	151888	48.457	ug/l	99
48) Methyl methacrylate	9.46	41	54226	44.281	ug/l	93
49) 1,4-Dioxane	9.47	88	15981	961.665	ug/l	89
51) 4-Methyl-2-Pentanone	10.23	43	316730	238.946	ug/l	100
52) Toluene	10.40	92	294925	49.191	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	150033	49.052	ug/l	90
54) cis-1,3-Dichloropropene	10.09	75	177846	50.512	ug/l	93
55) 1,1,2-Trichloroethane	10.80	97	81652	47.500	ug/l	93
56) Ethyl methacrylate	10.66	69	105168	48.312	ug/l	98
57) 1,3-Dichloropropane	10.94	76	139030	47.271	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	207429	221.686	ug/l	99
59) 2-Hexanone	10.98	43	237666	247.865	ug/l	99
60) Dibromochloromethane	11.14	129	111158	49.670	ug/l	97
61) 1,2-Dibromoethane	11.24	107	85032	51.025	ug/l	99
64) Tetrachloroethene	10.87	164	109310	49.199	ug/l	97
65) Chlorobenzene	11.67	112	323852	49.549	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	118283	49.114	ug/l	97
67) Ethyl Benzene	11.74	91	587352	49.837	ug/l	99
68) m/p-Xylenes	11.86	106	457803	100.639	ug/l	100
69) o-Xylene	12.18	106	216874	49.789	ug/l	95
70) Styrene	12.20	104	373799	50.693	ug/l	99
71) Bromoform	12.36	173	66658	51.574	ug/l #	100
73) Isopropylbenzene	12.48	105	578876	49.335	ug/l	99
74) N-amyl acetate	12.29	43	122955	48.670	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	95395	46.721	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	58748m	50.253	ug/l	
77) Bromobenzene	12.76	156	142943	48.897	ug/l	98
78) n-propylbenzene	12.82	91	678244	49.245	ug/l	100
79) 2-Chlorotoluene	12.91	91	367664	48.413	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	491578	50.217	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32110	48.606	ug/l	96
82) 4-Chlorotoluene	13.00	91	389194	48.310	ug/l	99
83) tert-Butylbenzene	13.23	119	425574	48.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	492263	48.778	ug/l	100
85) sec-Butylbenzene	13.40	105	582526	49.512	ug/l	99
86) p-Isopropyltoluene	13.51	119	559324	50.239	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	288059	49.870	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	279606	49.067	ug/l	98
89) n-Butylbenzene	13.84	91	516728	49.862	ug/l	99
90) Hexachloroethane	14.11	117	107201	53.537	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	247015	49.623	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	16458	51.976	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	193058	50.263	ug/l	99
94) Hexachlorobutadiene	15.27	225	103796	48.971	ug/l	94
95) Naphthalene	15.40	128	337031	52.207	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	167765	50.624	ug/l	99

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

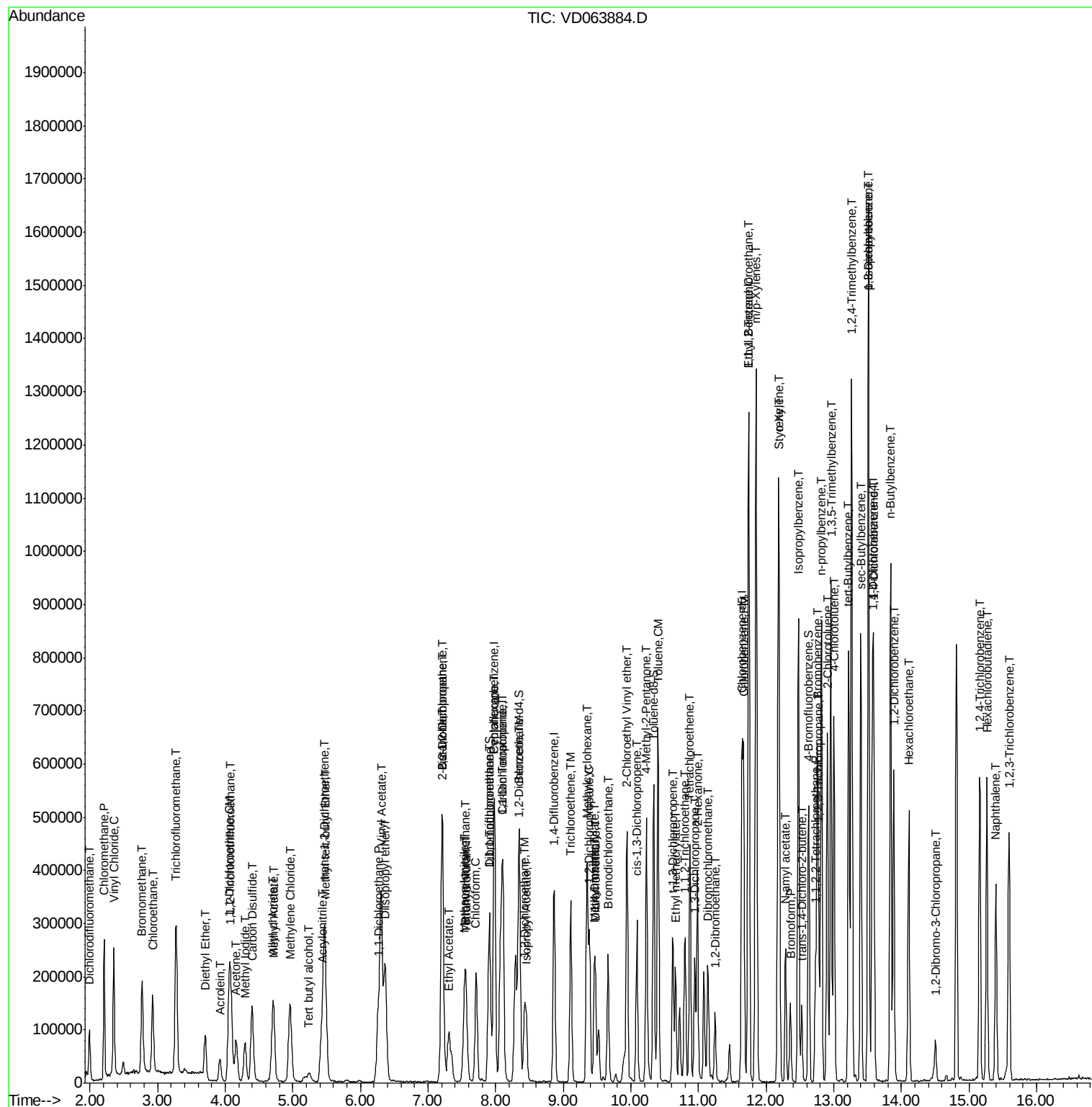
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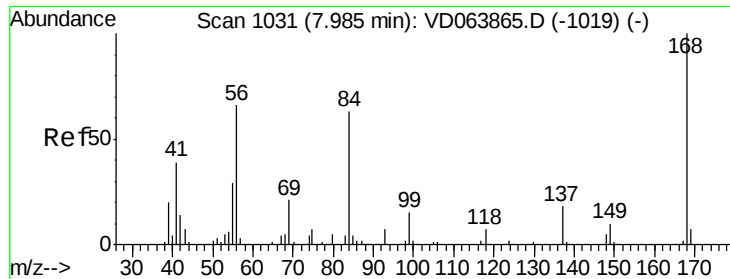
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 213110

Ion Ratio Lower Upper

168 100

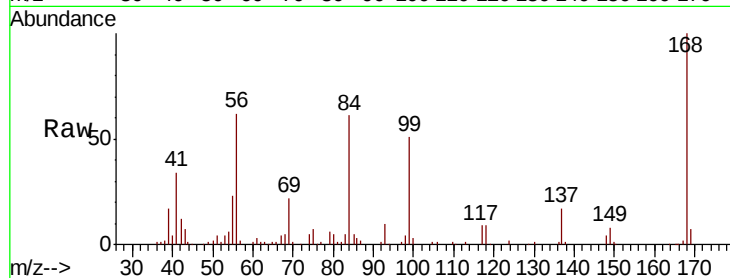
99 50.2 43.0 64.4

Manual Integrations

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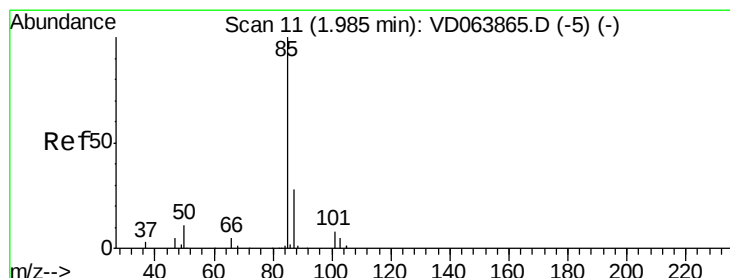
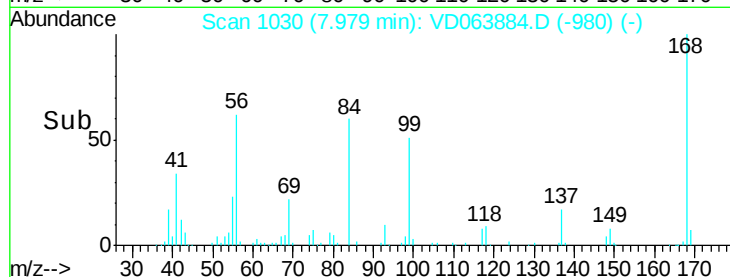
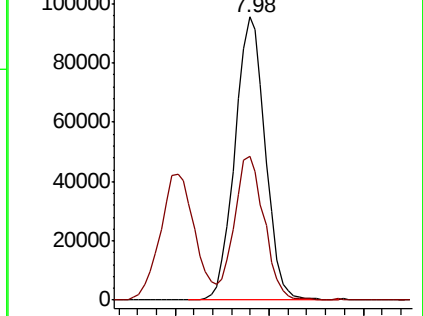
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 49.741 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063884.D

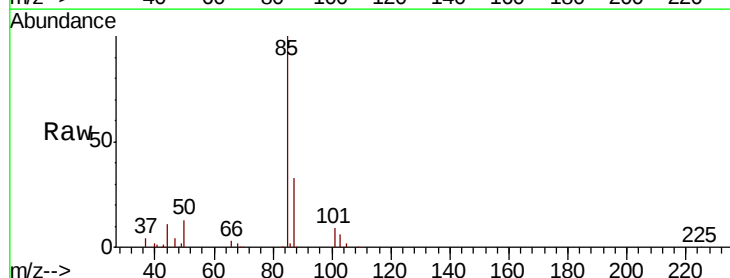
Acq: 04 Oct 2019 11:47

Tgt Ion: 85 Resp: 75174

Ion Ratio Lower Upper

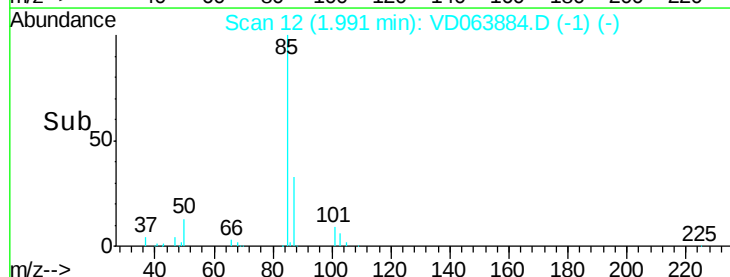
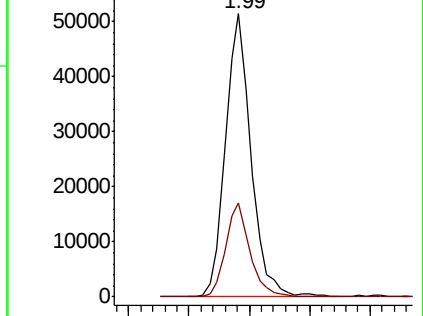
85 100

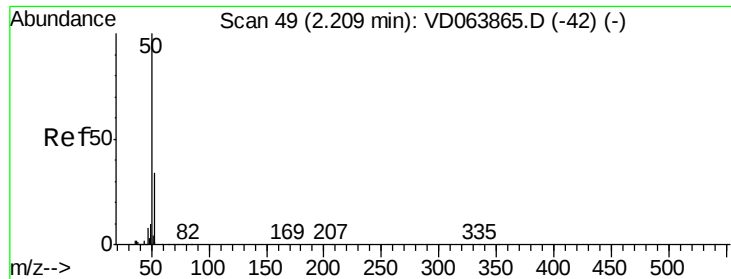
87 33.1 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.654 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 199108

Ion Ratio Lower Upper

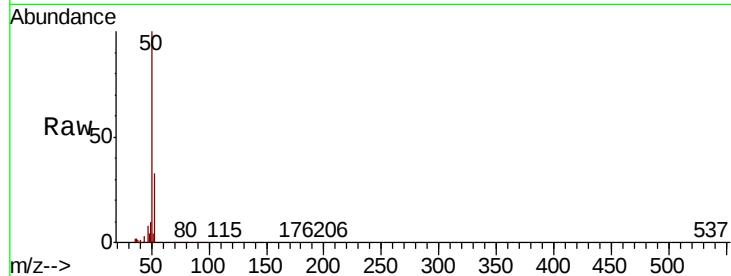
50 100

52 32.6 27.5 41.3

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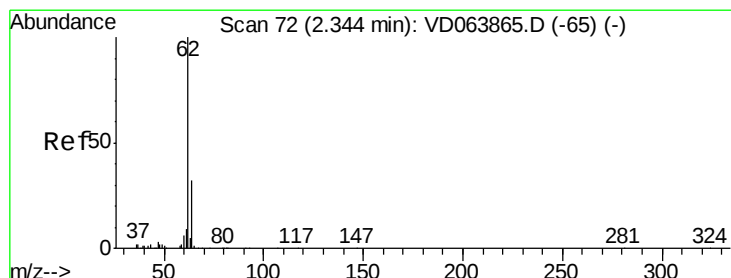
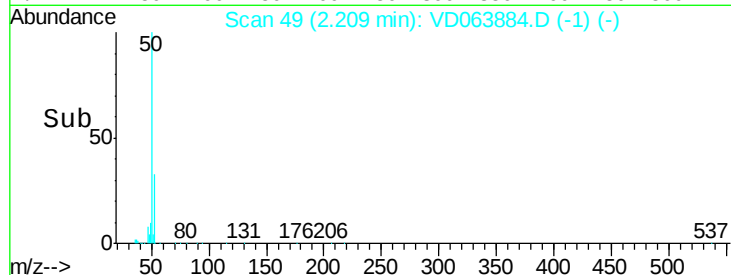
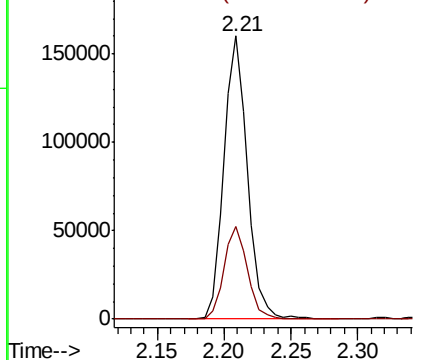
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.978 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063884.D

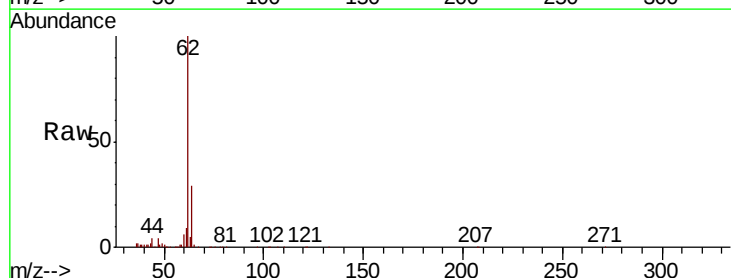
Acq: 04 Oct 2019 11:47

Tgt Ion: 62 Resp: 219700

Ion Ratio Lower Upper

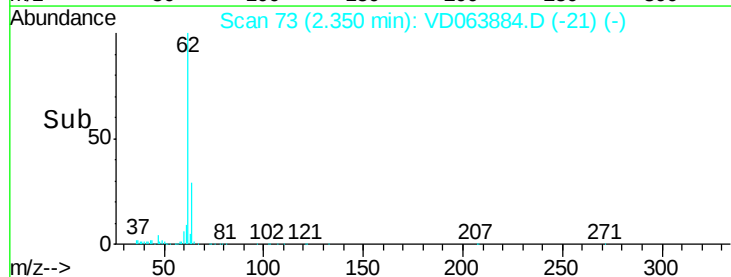
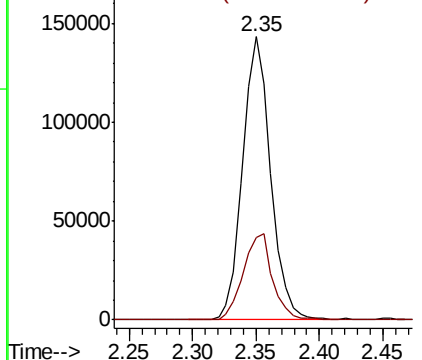
62 100

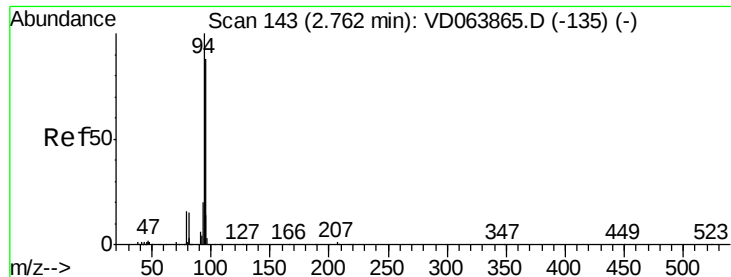
64 28.9 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 42.851 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.01 min

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Acq: 04 Oct 2019 11:47

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Tot Ion: 94 Resp: 134566

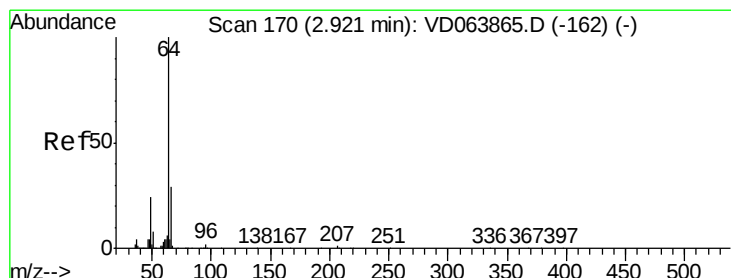
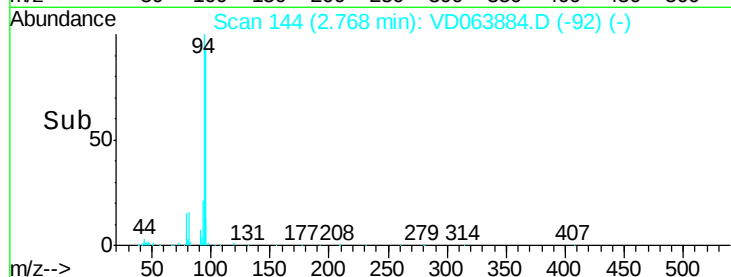
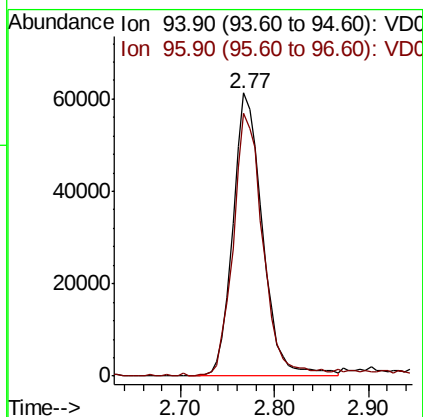
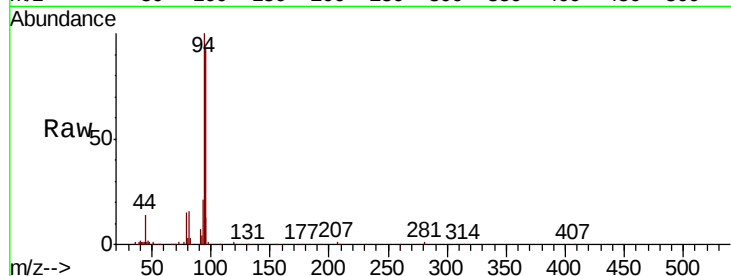
Ion Ratio Lower Upper

94 100

96 92.7 70.8 106.2

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#6

Chloroethane

Concen: 43.689 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063884.D

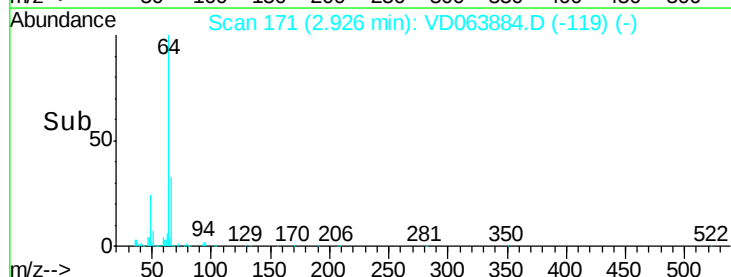
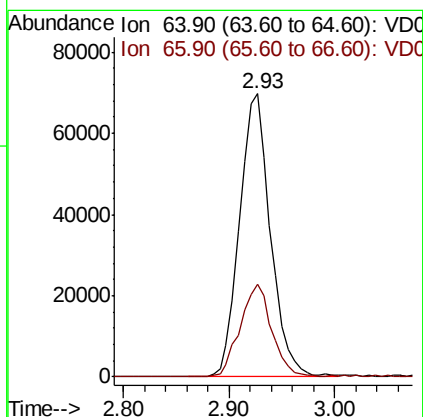
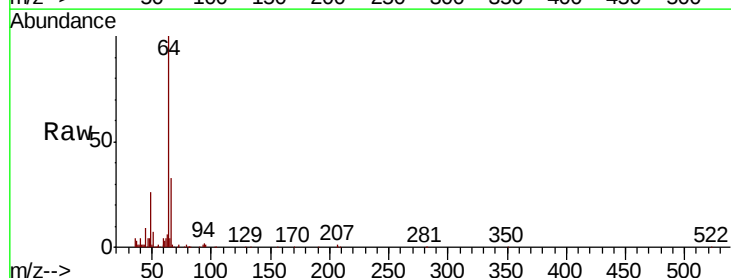
Acq: 04 Oct 2019 11:47

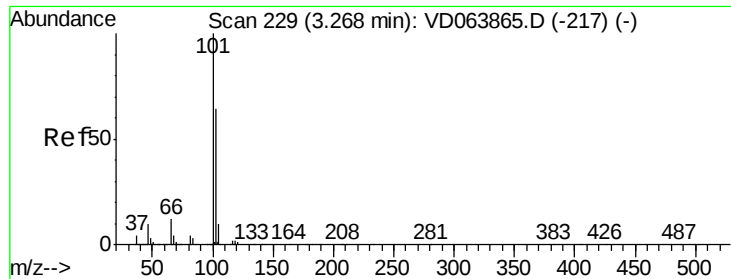
Tgt Ion: 64 Resp: 141133

Ion Ratio Lower Upper

64 100

66 32.9 23.0 34.4





#7

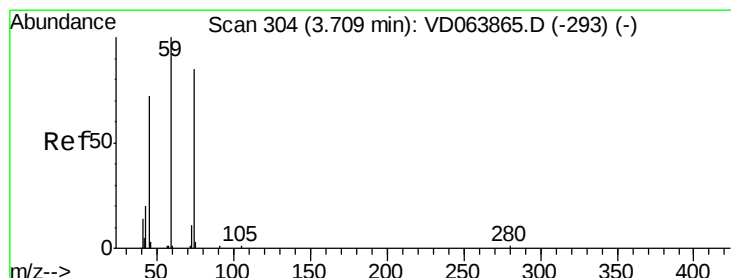
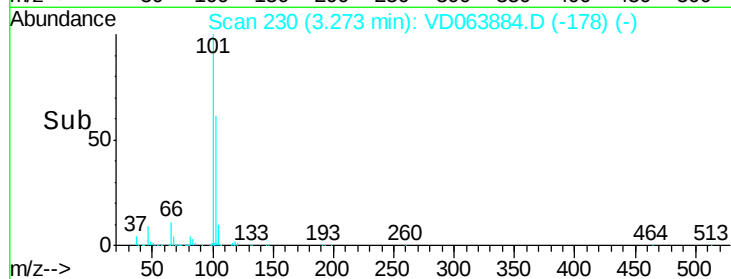
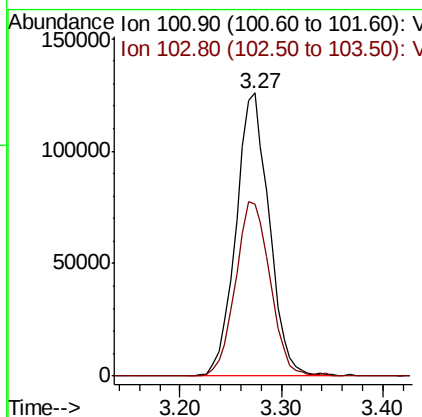
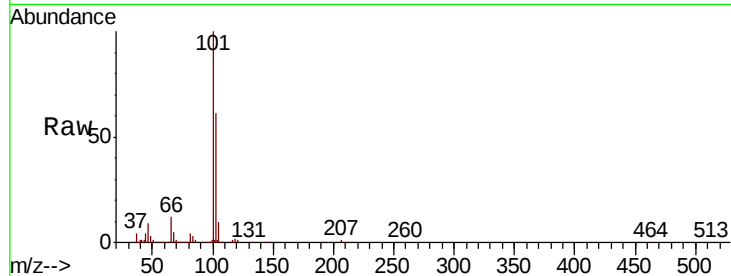
Trichlorofluoromethane
 Concen: 44.189 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	60.7	51.1	76.7

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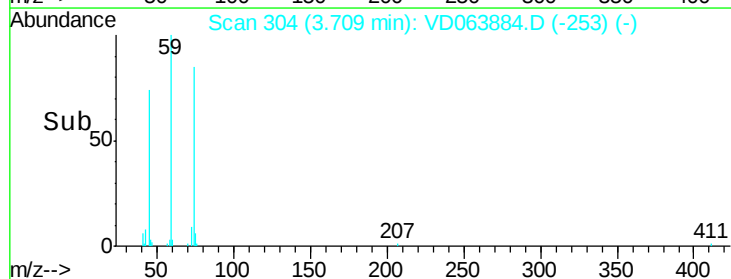
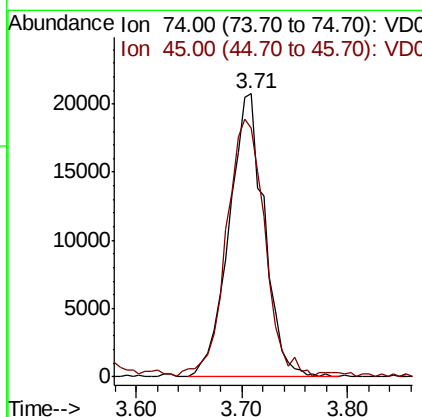
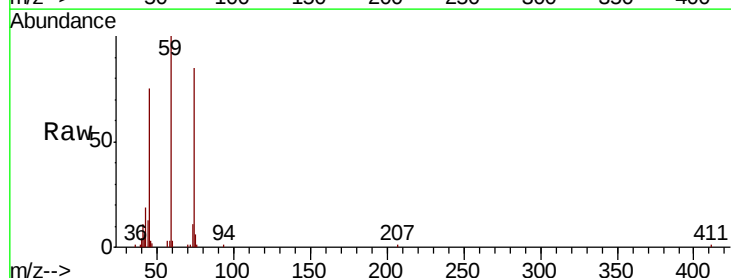
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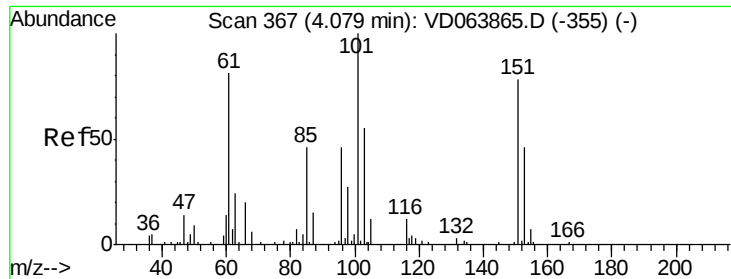


#8

Diethyl Ether
 Concen: 46.463 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.2	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.446 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

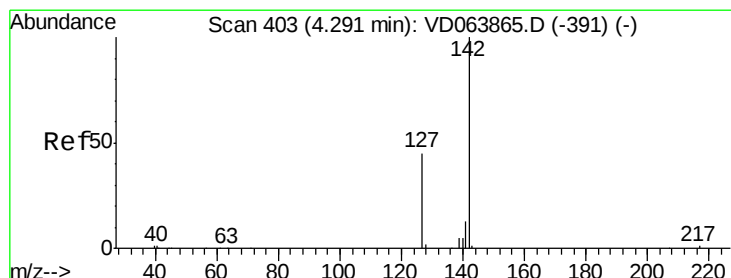
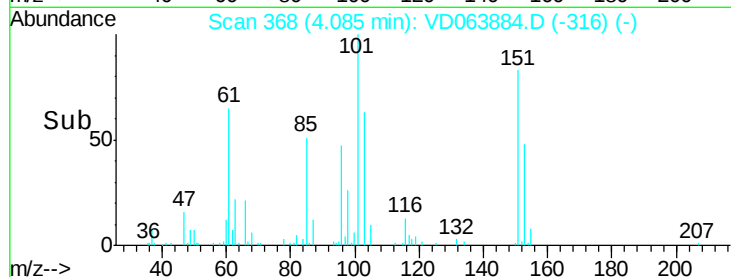
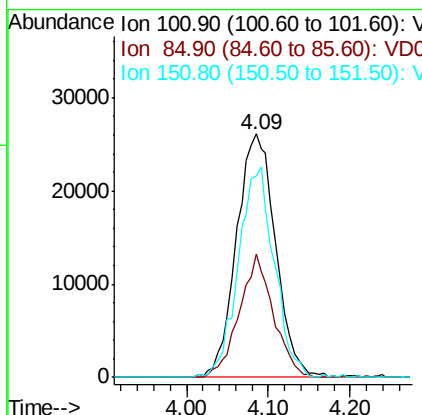
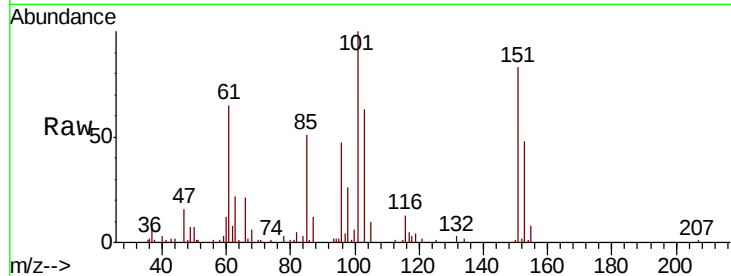
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	86606
Ion Ratio	Lower	Upper	
101	100		
85	44.1	37.5	56.3
151	79.9	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 48.461 ug/l

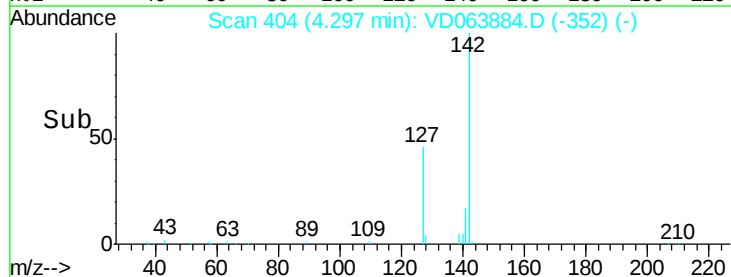
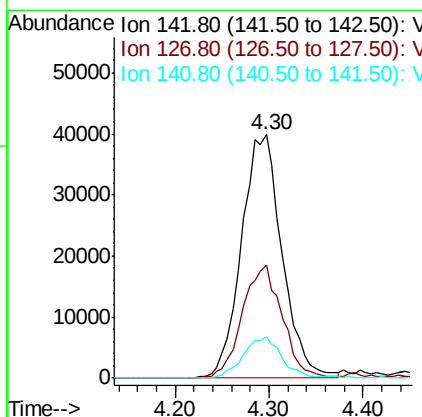
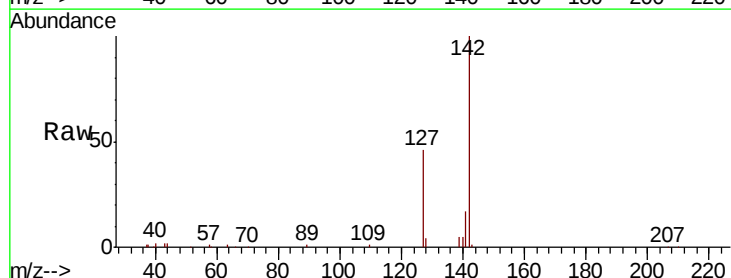
RT: 4.30 min Scan# 404

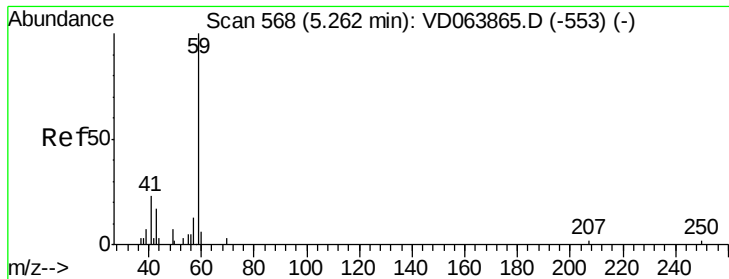
Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion:	142	Resp:	119375
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.3	52.9
141	16.2	12.2	18.2





#11

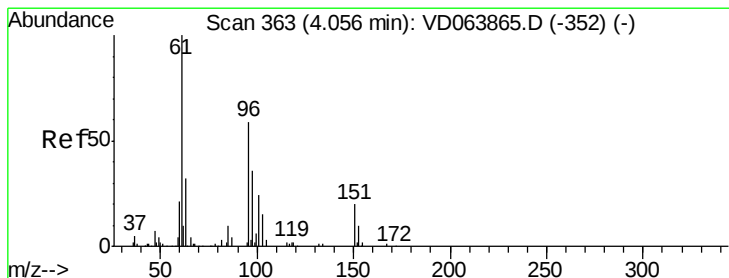
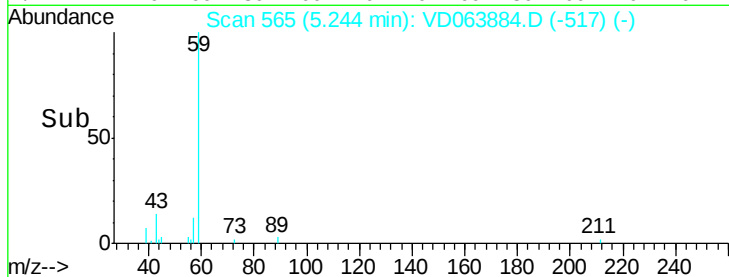
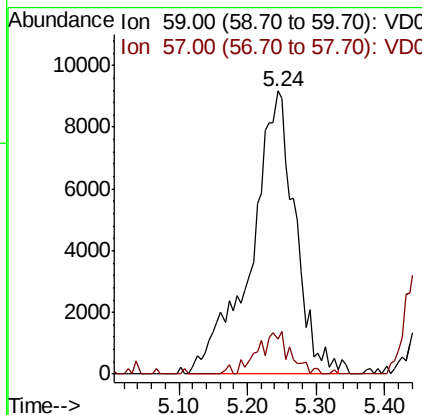
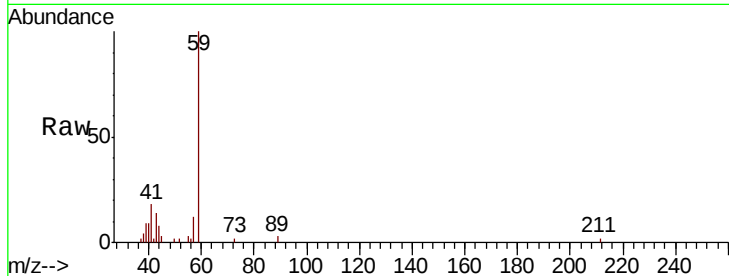
Tert butyl alcohol
 Concen: 284.935 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. -0.02 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.8	13.2

Manual Integrations
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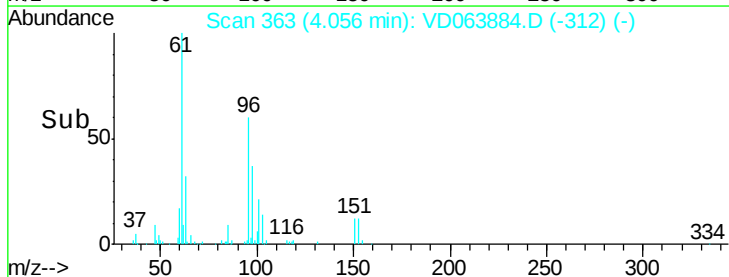
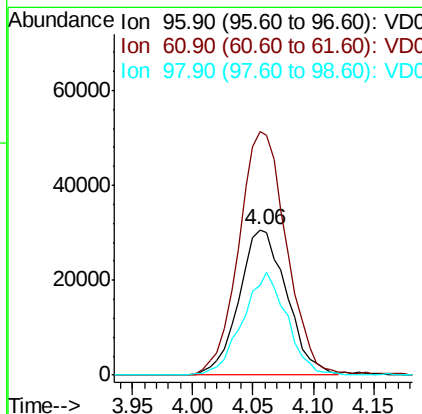
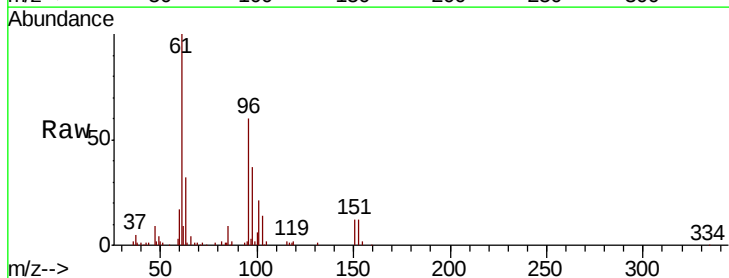
MMDadoda
 10/8/2019 3:11:23 PM

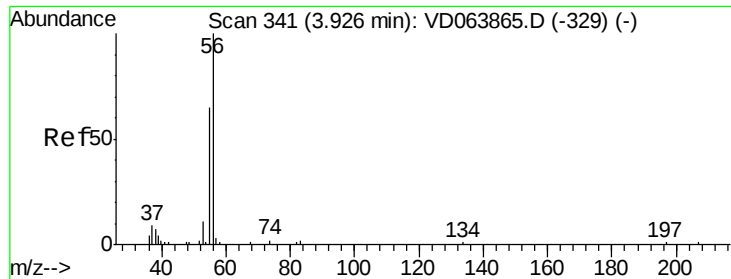


#12

1,1-Dichloroethene
 Concen: 46.995 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.5	135.6	203.4
98	62.1	49.2	73.8





#13

Acrolein

Concen: 260.761 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 48321

Ion Ratio Lower Upper

56 100

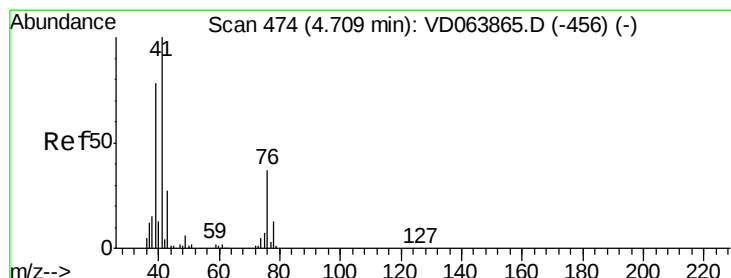
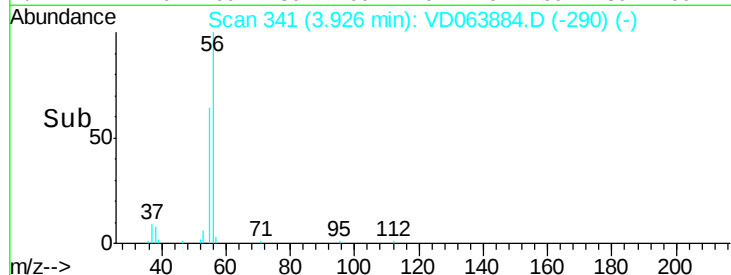
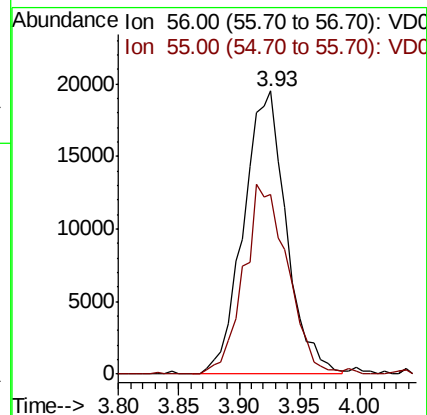
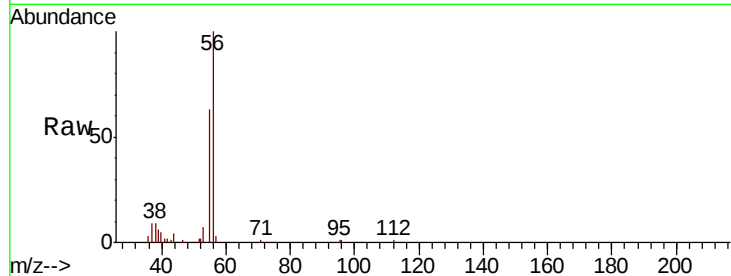
55 68.5 53.0 79.6

Manual Integrations

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#14

Allyl chloride

Concen: 45.141 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

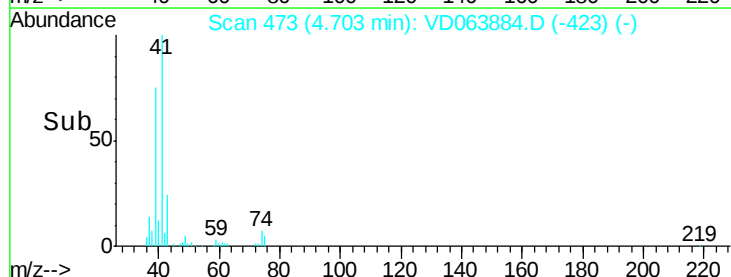
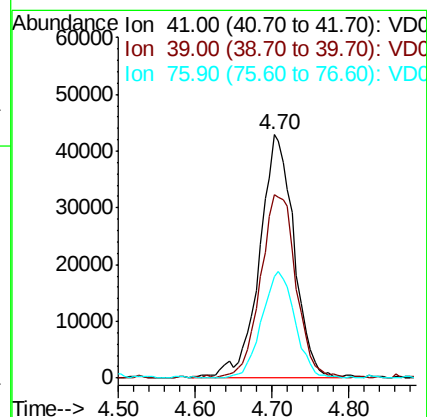
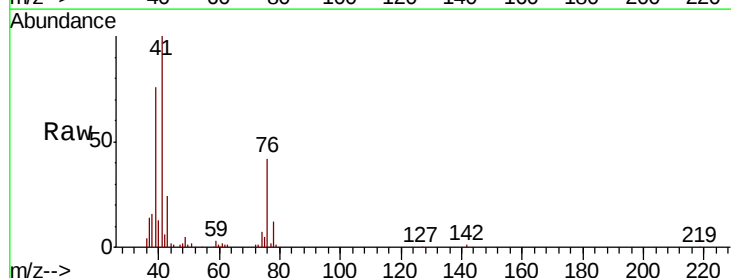
Tgt Ion: 41 Resp: 134042

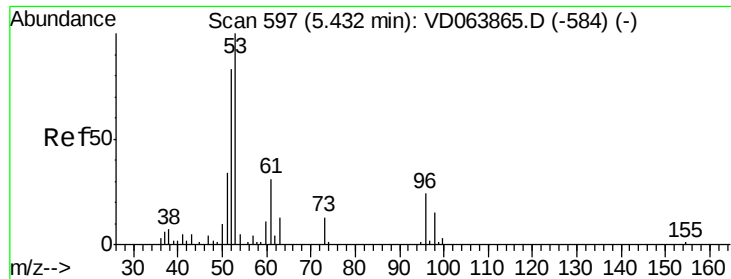
Ion Ratio Lower Upper

41 100

39 77.6 61.8 92.6

76 42.3 31.3 46.9





#15

Acrylonitrile

Concen: 242.510 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

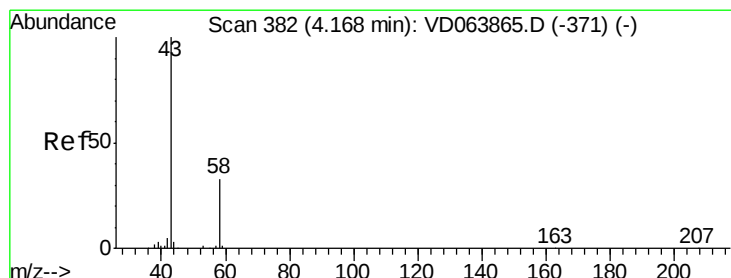
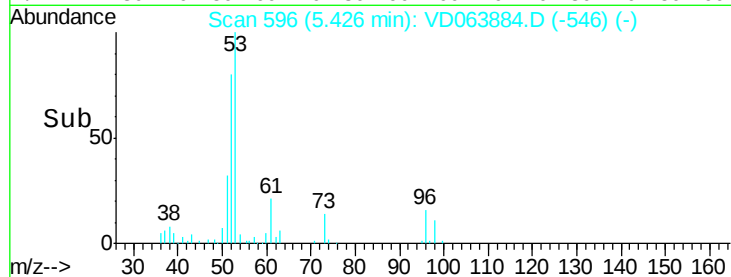
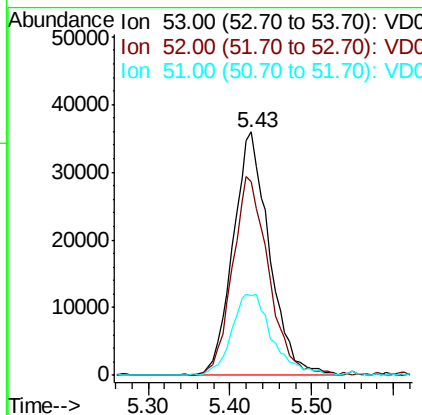
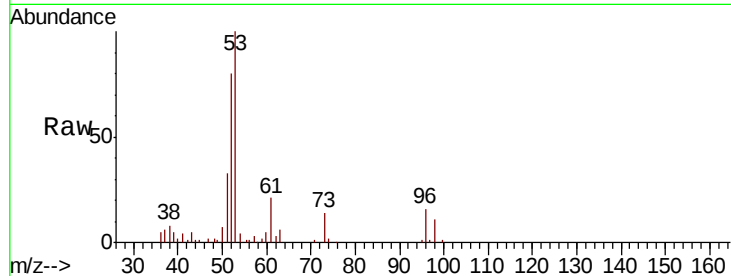
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	110831
Ion Ratio	Lower	Upper	
53	100		
52	81.4	67.3	100.9
51	37.0	30.5	45.7

Manual Integrations
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#16

Acetone

Concen: 246.253 ug/l

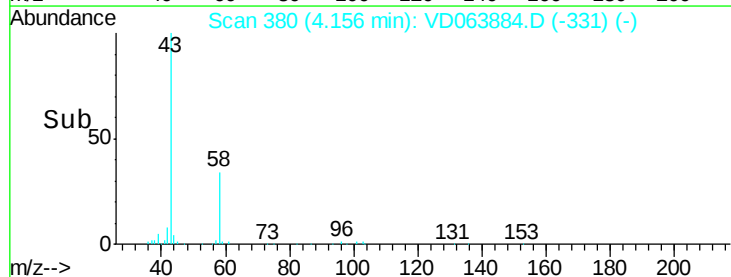
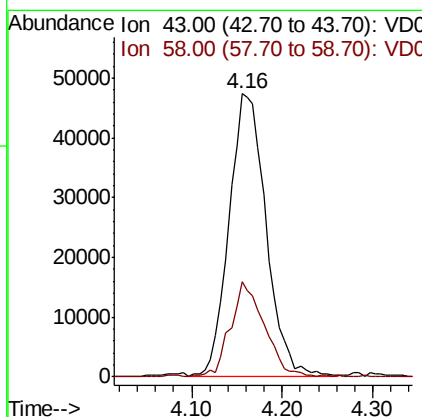
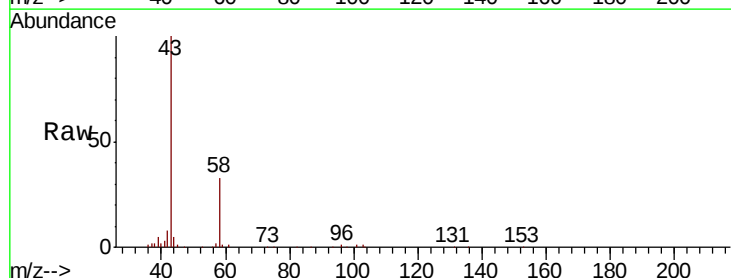
RT: 4.16 min Scan# 380

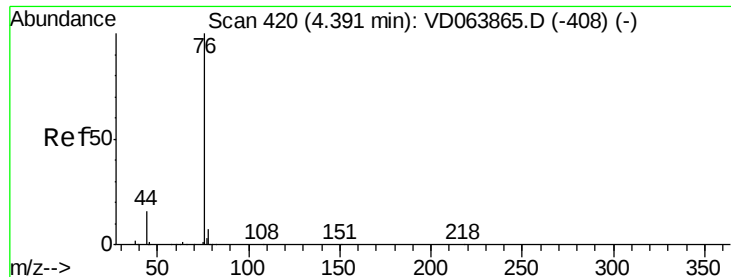
Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion:	43	Resp:	133021
Ion Ratio	Lower	Upper	
43	100		
58	33.6	26.2	39.4





#17

Carbon Disulfide

Concen: 45.839 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 297607

Ion Ratio Lower Upper

76 100

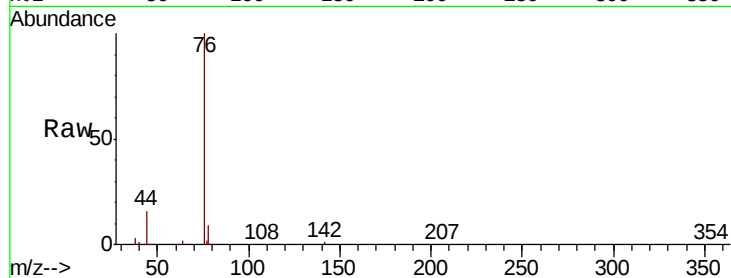
78 9.4 5.8 8.8#

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

120000

100000

80000

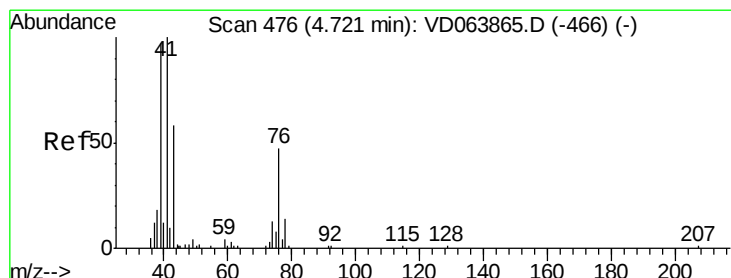
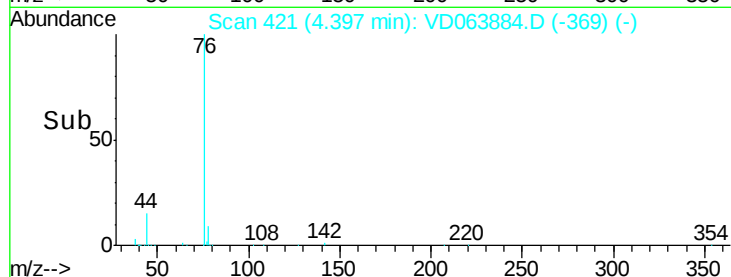
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 45.248 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD063884.D

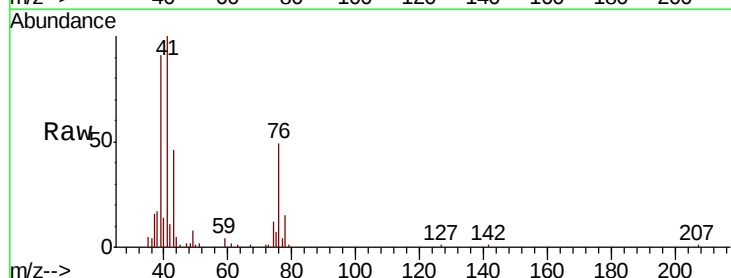
Acq: 04 Oct 2019 11:47

Tgt Ion: 43 Resp: 47806

Ion Ratio Lower Upper

43 100

74 27.5 20.8 31.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.72

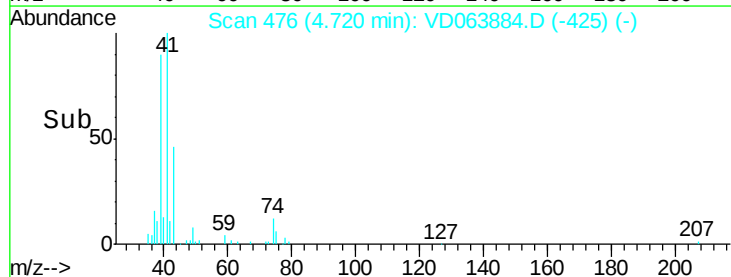
15000

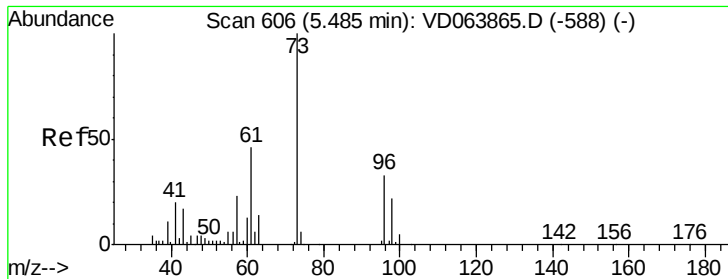
10000

5000

0

Time-->





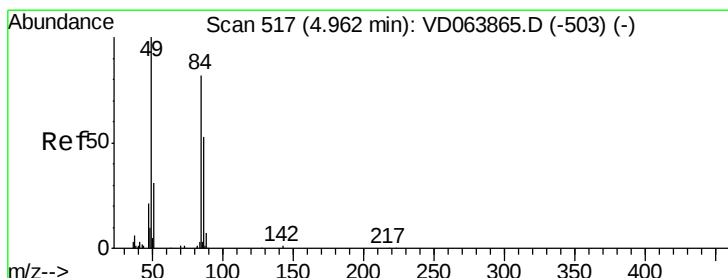
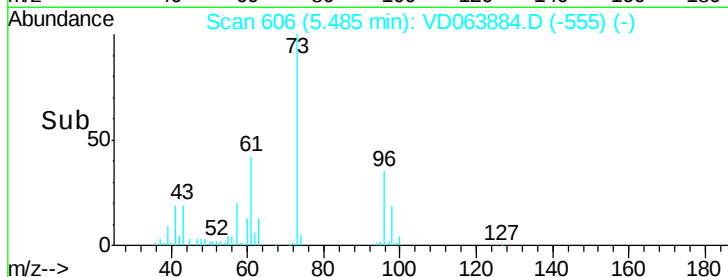
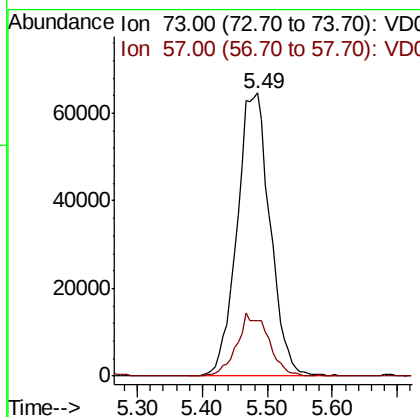
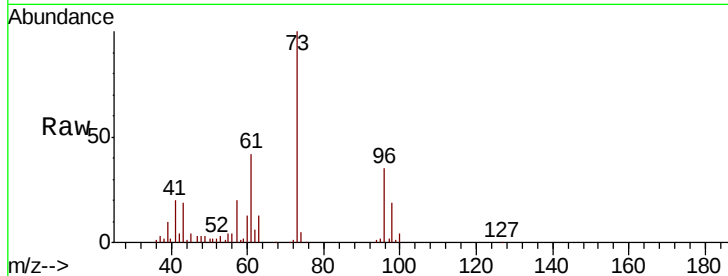
#19
Methvl tert-butvl Ether
Concen: 49.136 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	18.1	27.1

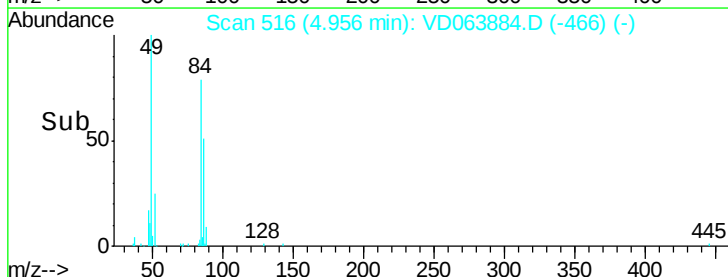
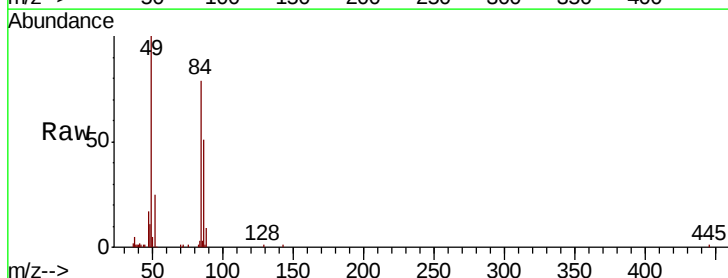
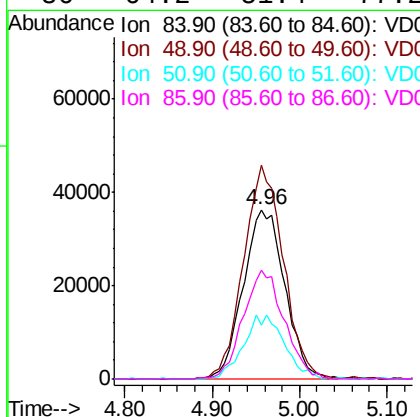
Manual Integrations
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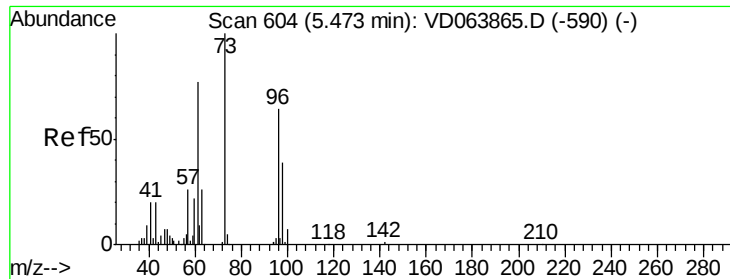
MMDadoda
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#20
Methylene Chloride
Concen: 49.008 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	126.3	97.3	145.9
51	31.9	30.1	45.1
86	64.2	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 49.445 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

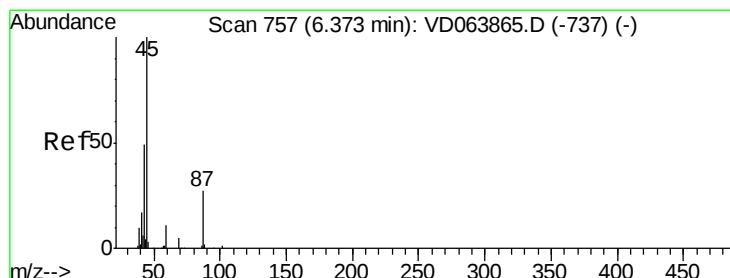
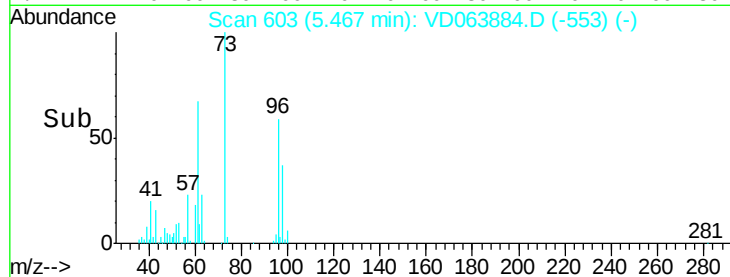
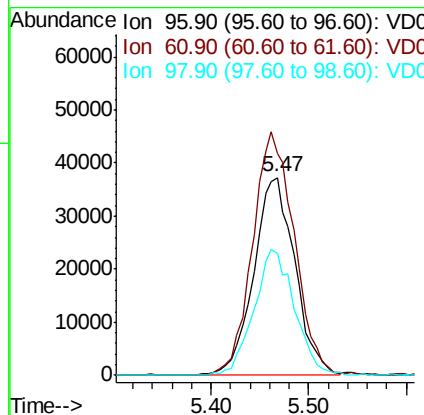
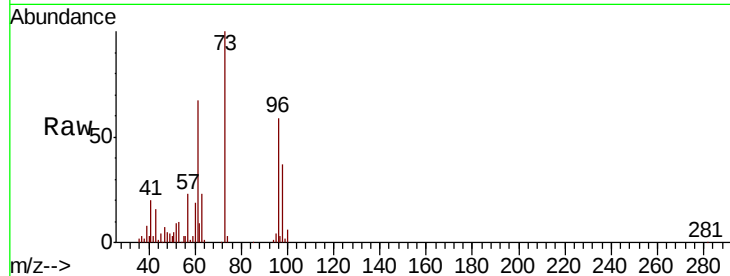
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	109937
Ion	Ratio	Lower	Upper
96	100		
61	112.5	96.6	145.0
98	61.9	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 46.779 ug/l

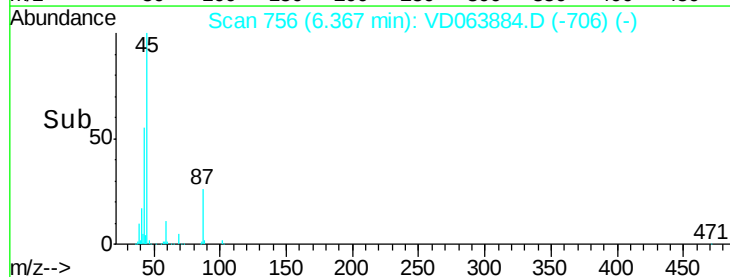
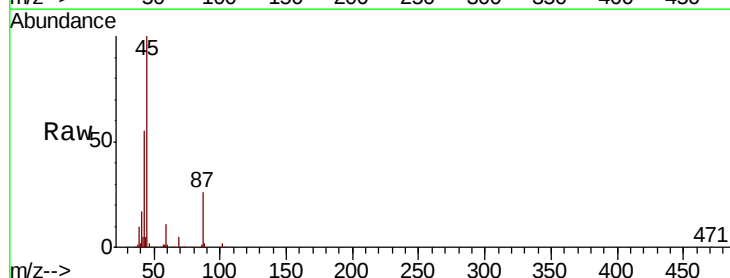
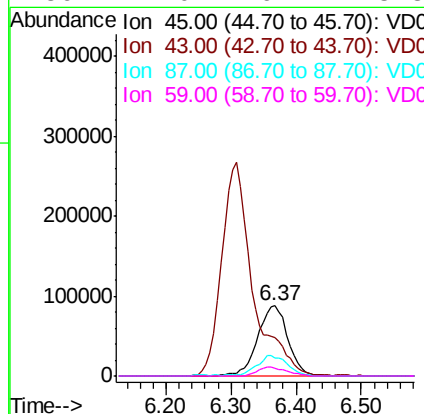
RT: 6.37 min Scan# 756

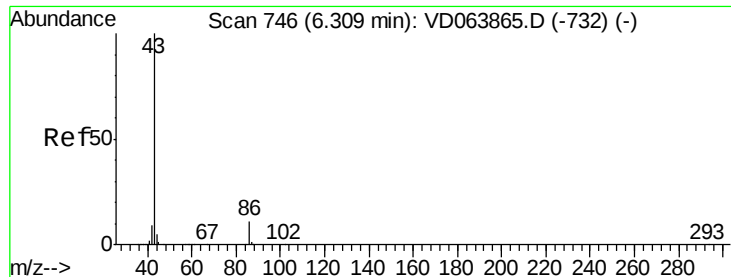
Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion:	45	Resp:	283688
Ion	Ratio	Lower	Upper
45	100		
43	54.1	41.2	61.8
87	25.3	22.2	33.4
59	11.0	9.2	13.8





#23

Vinyl Acetate

Concen: 244.696 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 882784

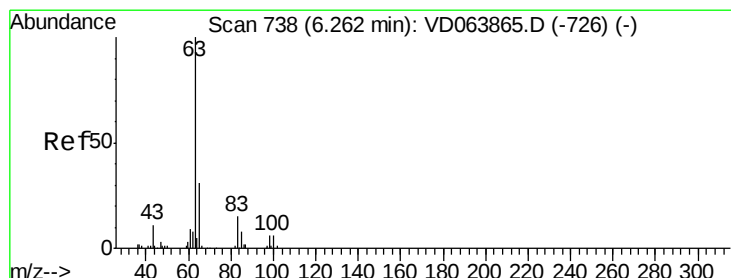
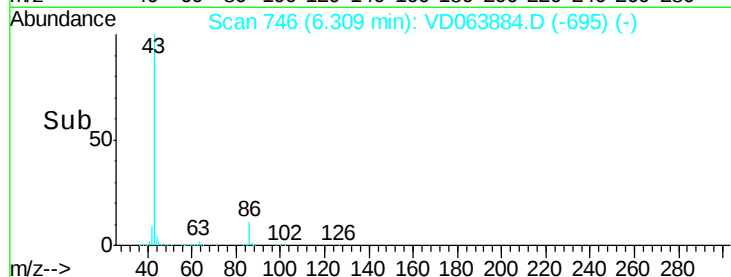
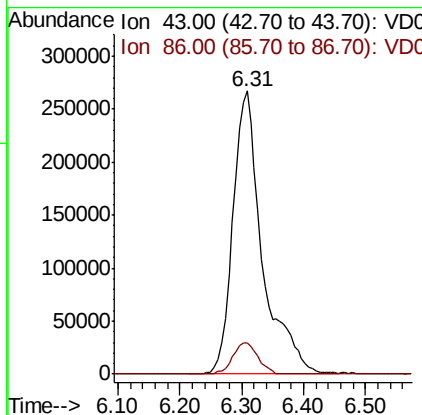
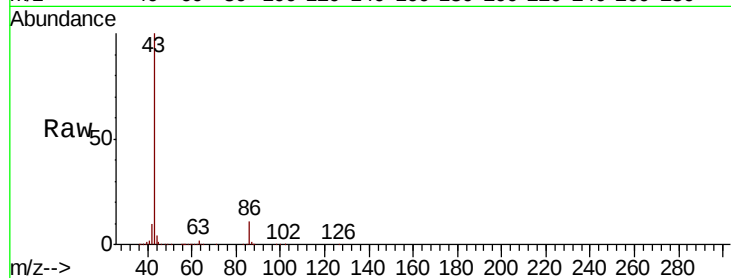
Ion Ratio Lower Upper

43 100

86 11.3 8.8 13.2

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 47.564 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

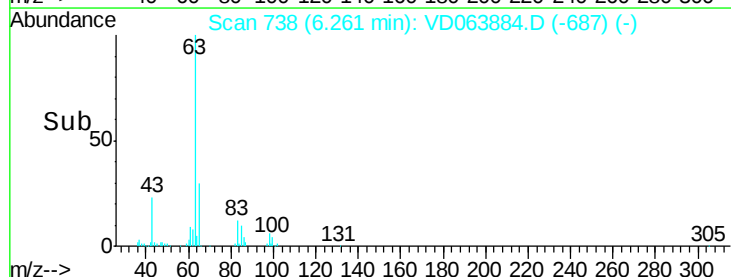
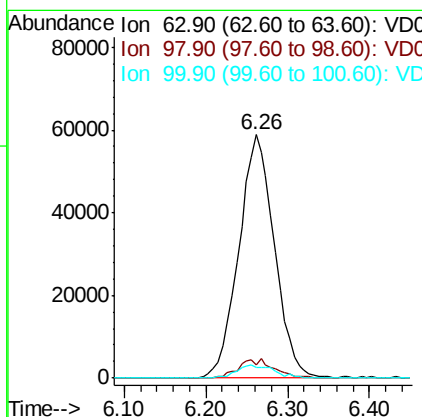
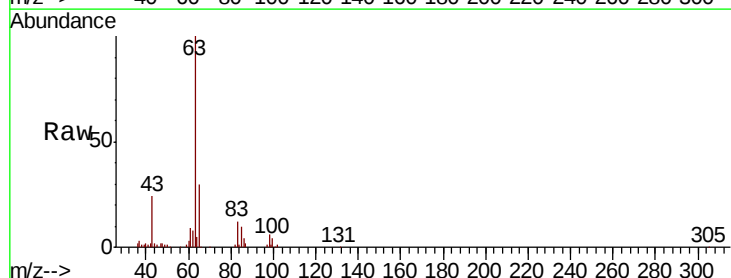
Tgt Ion: 63 Resp: 177672

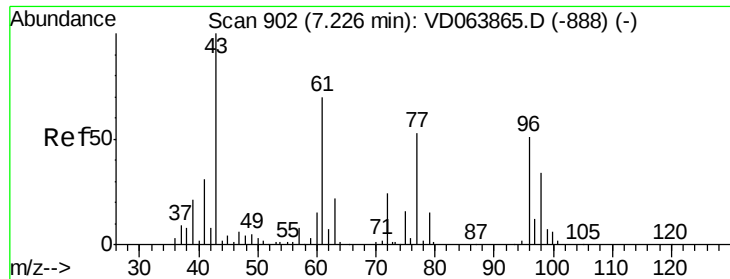
Ion Ratio Lower Upper

63 100

98 5.6 3.1 9.4

100 4.3 3.0 9.2





#25

2-Butanone

Concen: 243.646 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 155975

Ion Ratio Lower Upper

43 100

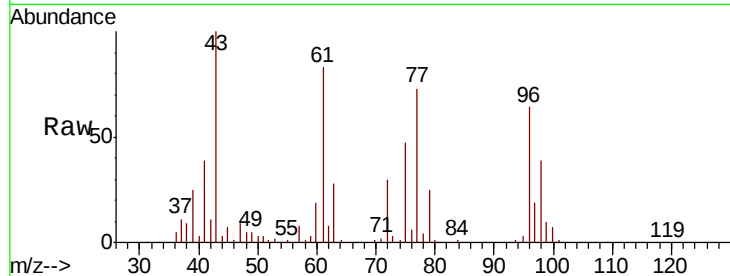
72 29.5 19.2 28.8#

Manual Integrations

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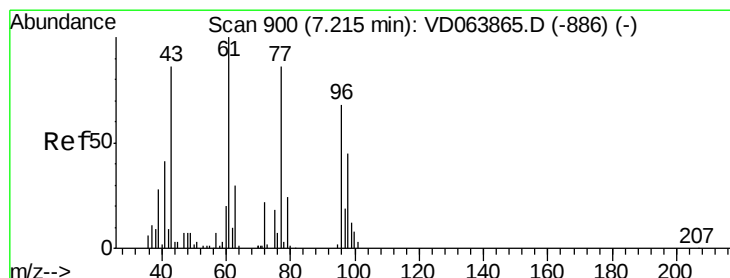
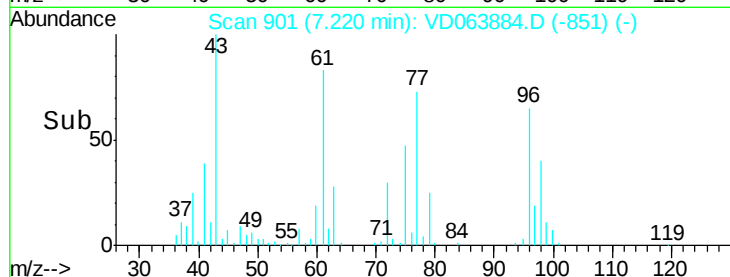
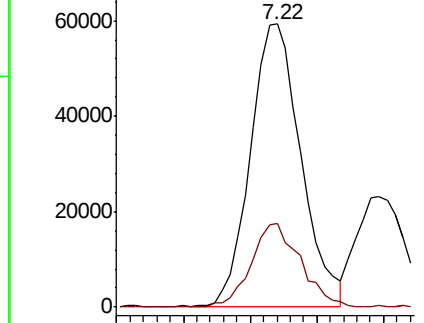
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 48.946 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063884.D

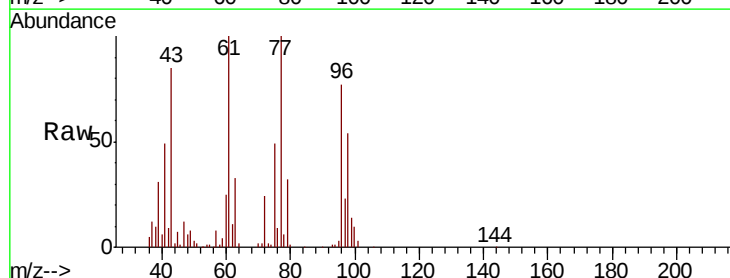
Acq: 04 Oct 2019 11:47

Tgt Ion: 77 Resp: 165392

Ion Ratio Lower Upper

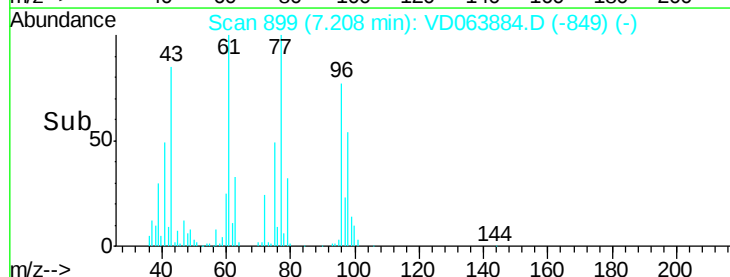
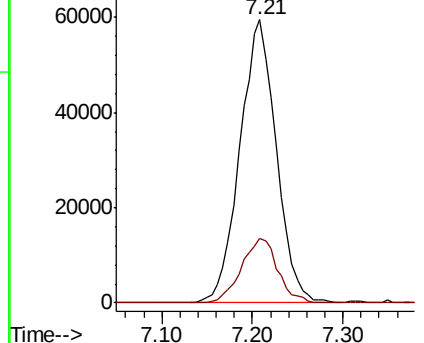
77 100

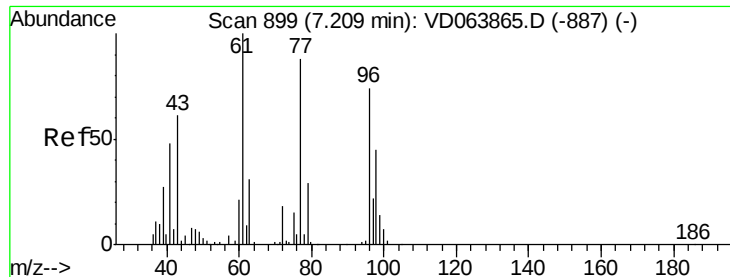
97 22.7 11.4 34.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

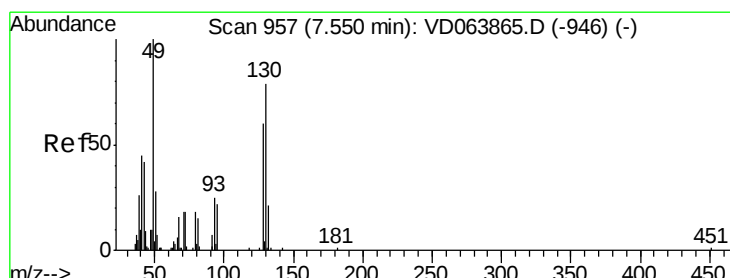
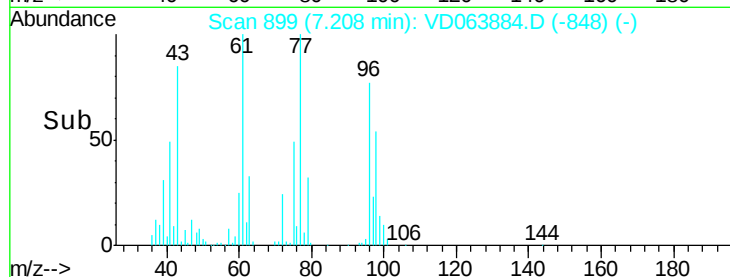
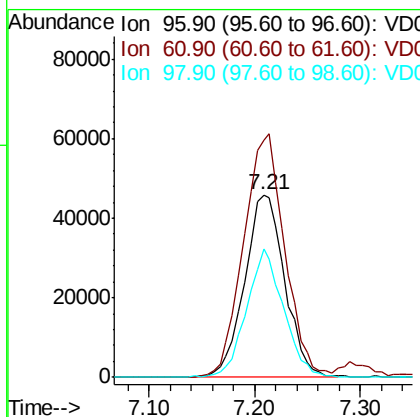
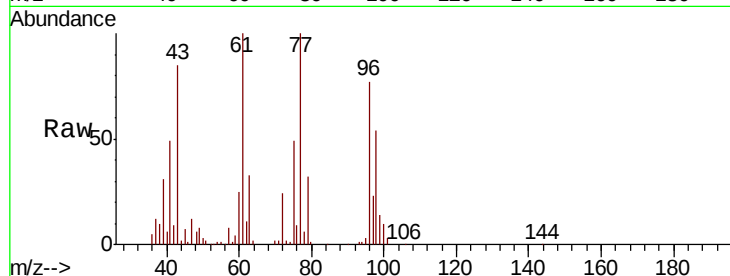
cis-1,2-Dichloroethene
Concen: 47.975 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	137.4	0.0	280.0	
98	65.1	0.0	130.4	

Manual Integrations
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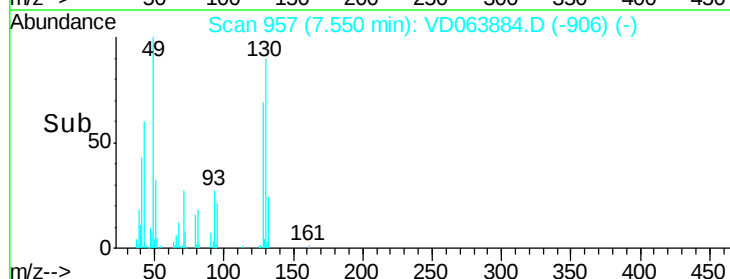
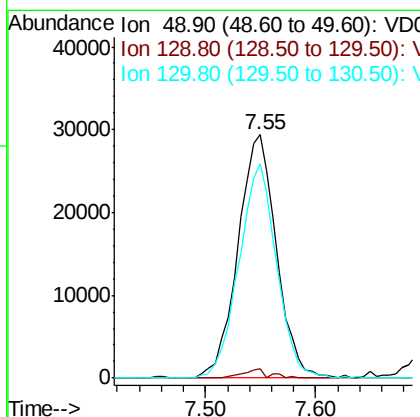
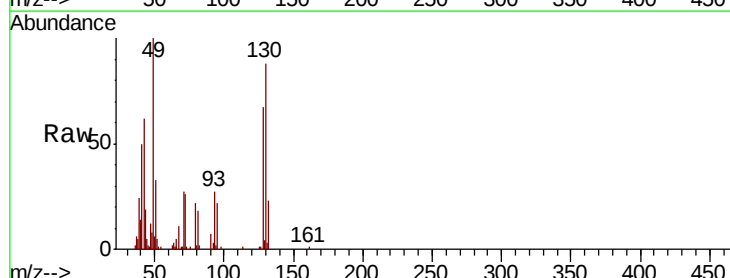
MMDadoda
10/8/2019 3:11:23 PM

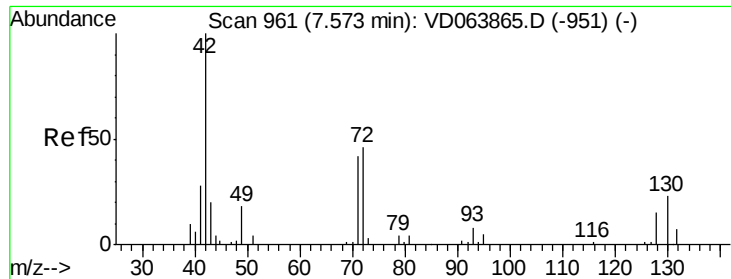


#28

Bromochloromethane
Concen: 50.479 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	5.6	
130	86.5	66.8	100.2	





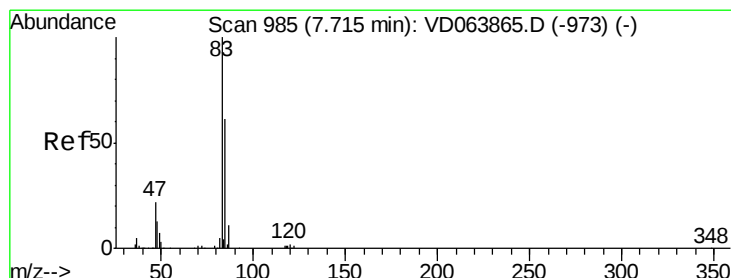
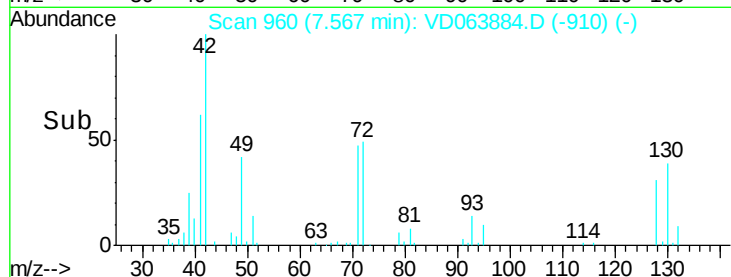
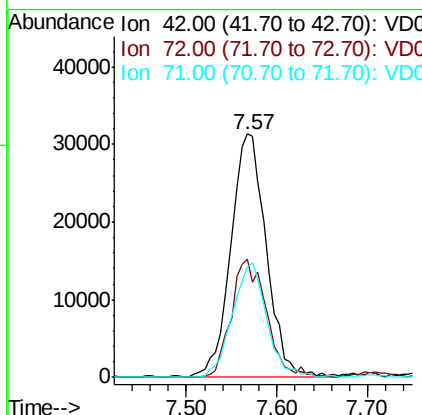
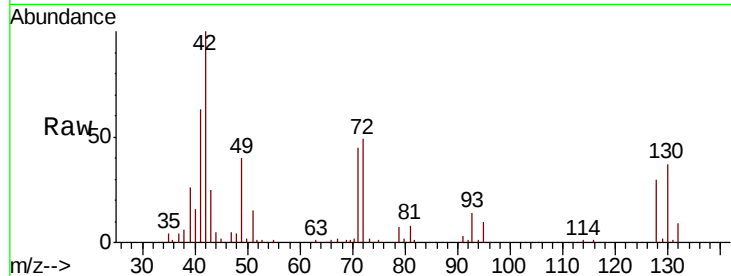
#29
Tetrahydrofuran
Concen: 228.587 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.1	37.6	56.4
71	45.3	35.0	52.6

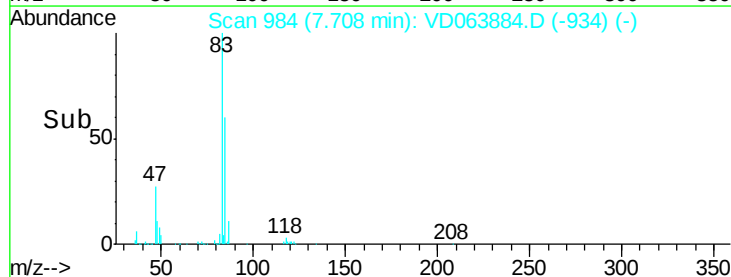
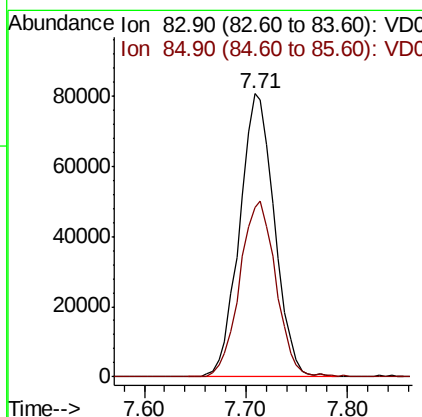
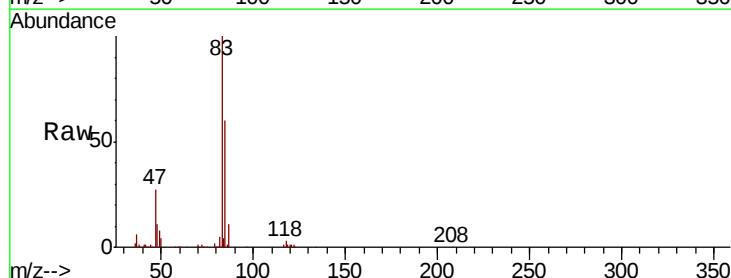
Manual Integrations
APPROVED

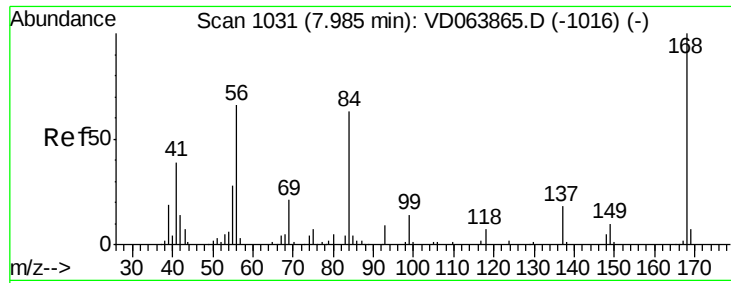
MMDadoda
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#30
Chloroform
Concen: 47.391 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.0	48.9	73.3





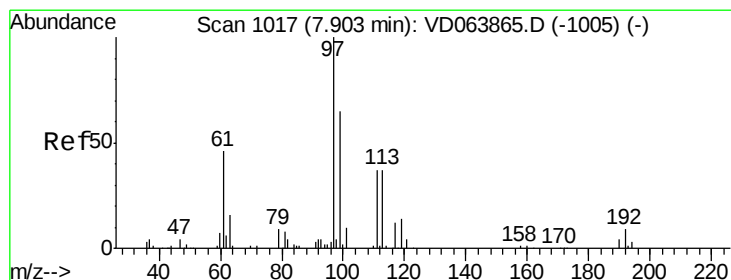
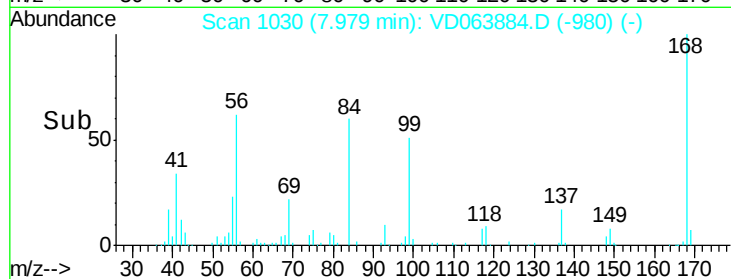
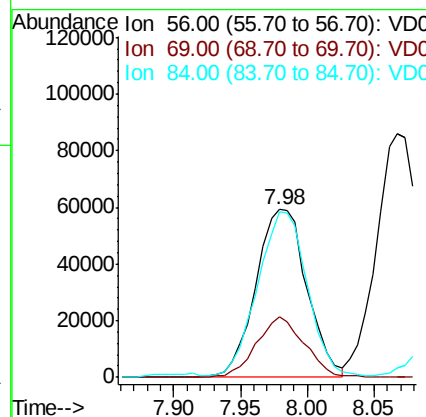
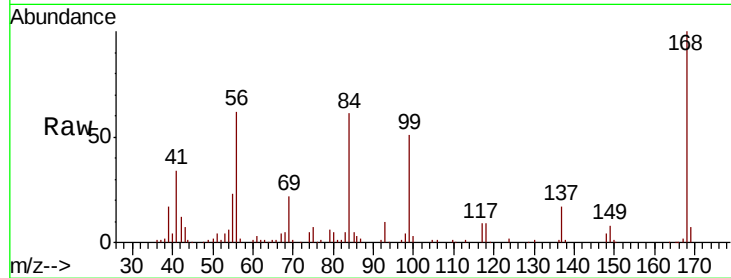
#31
Cyclohexane
Concen: 50.888 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.8	25.0	37.4
84	96.3	76.3	114.5

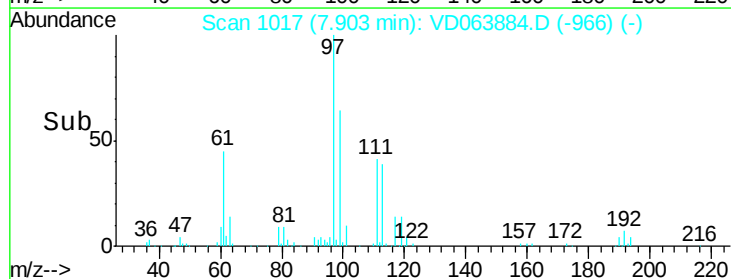
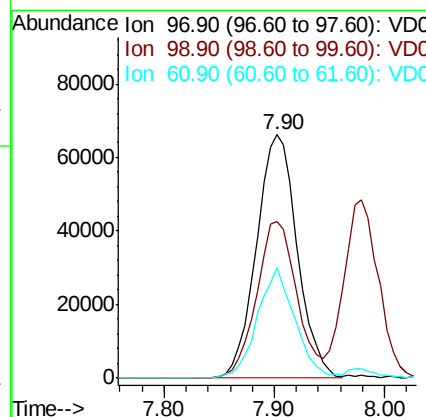
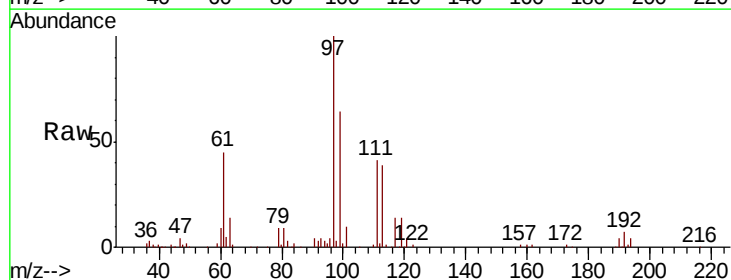
Manual Integrations
APPROVED

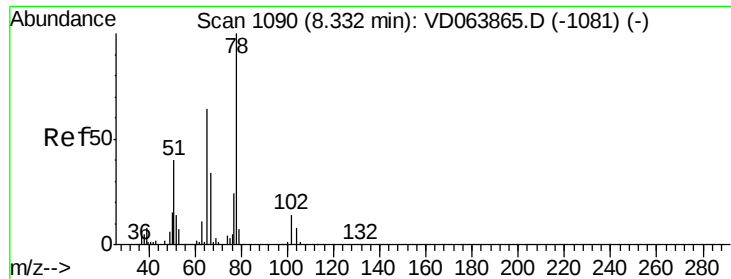
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 49.179 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	52.4	78.6
61	41.5	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 45.550 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 94506

Ion Ratio Lower Upper

65 100

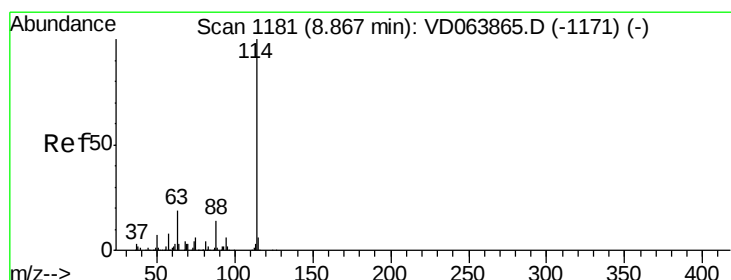
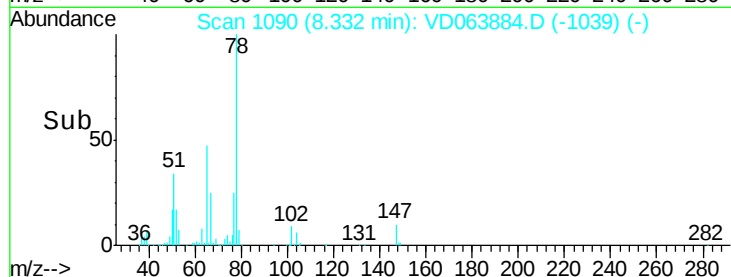
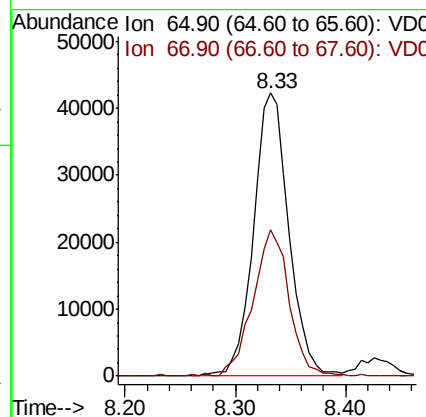
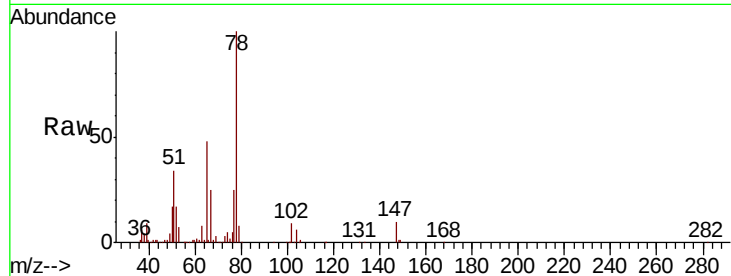
67 53.0 0.0 106.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

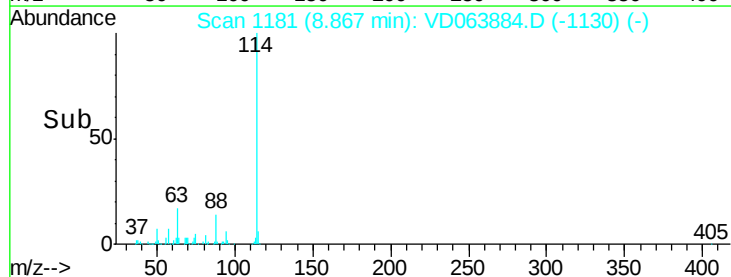
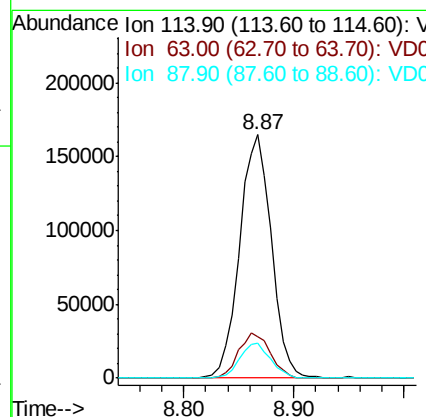
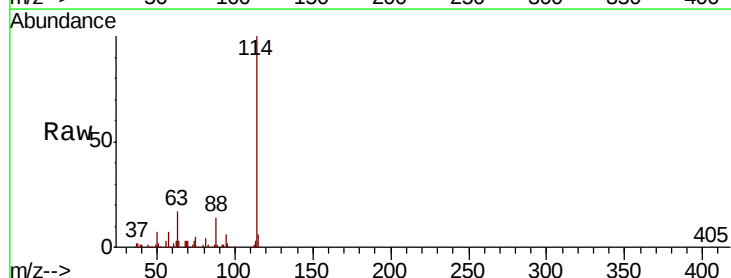
Tgt Ion: 114 Resp: 333323

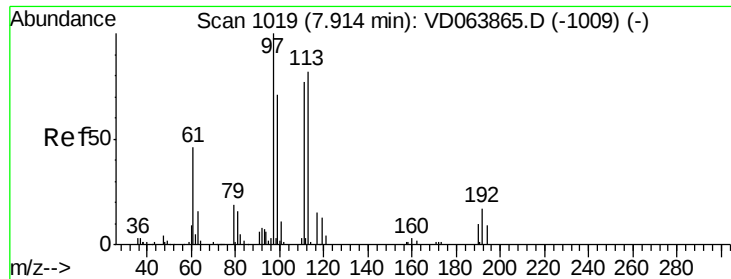
Ion Ratio Lower Upper

114 100

63 17.0 0.0 38.4

88 14.4 0.0 27.4





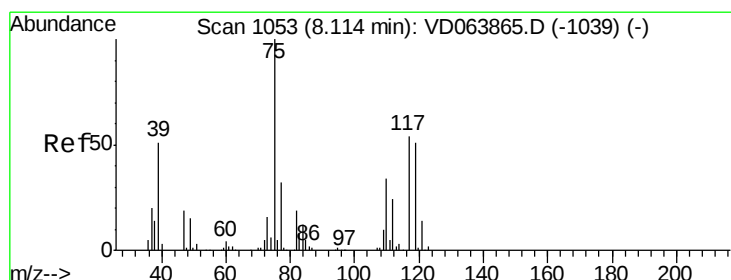
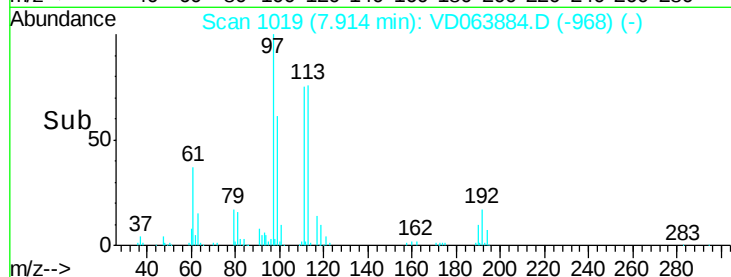
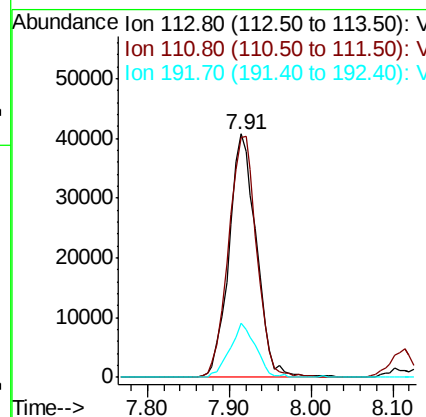
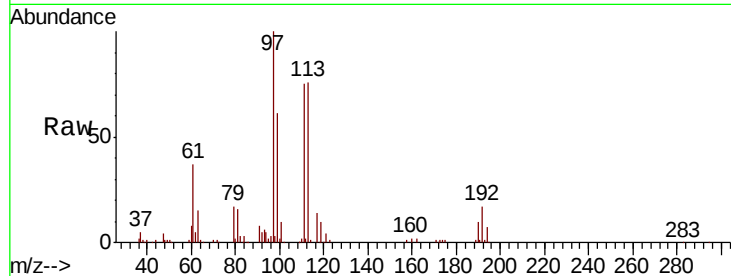
#35
 Dibromofluoromethane
 Concen: 46.493 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.6	123.8
192	20.9	17.1	25.7

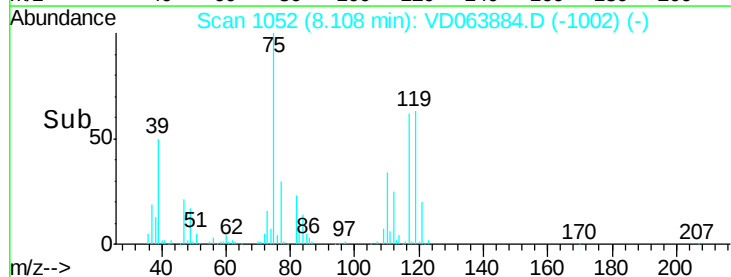
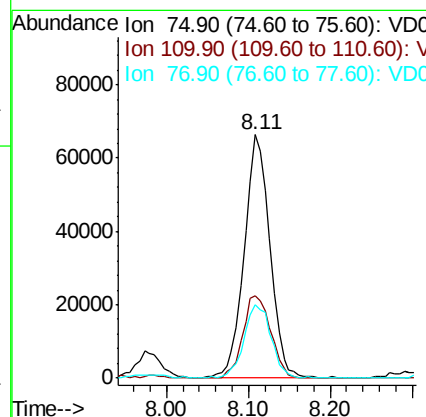
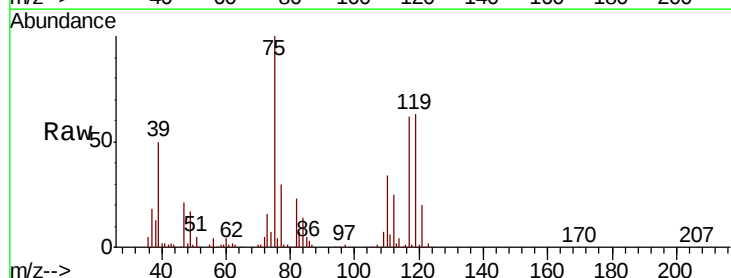
Manual Integrations
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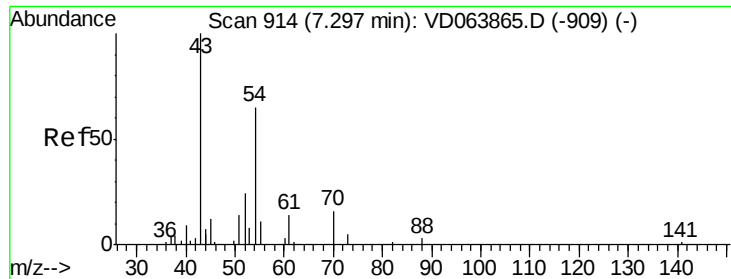
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#36
 1,1-Dichloropropene
 Concen: 47.798 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.7	17.4	52.3
77	32.0	25.4	38.0





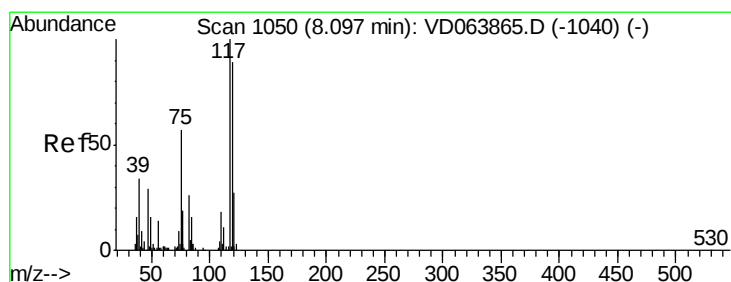
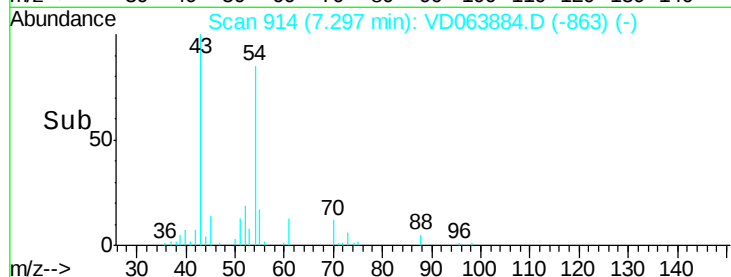
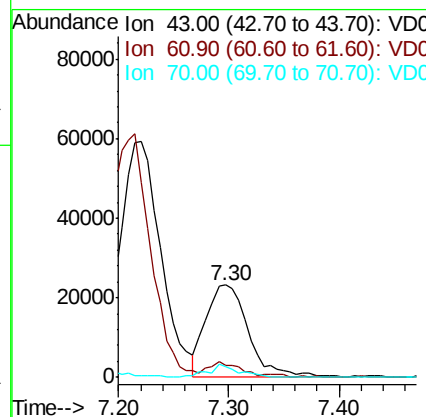
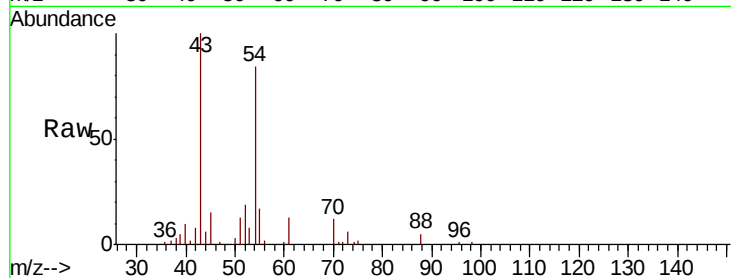
#37
Ethyl Acetate
Concen: 50.784 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.3	11.5	17.3
70	10.0	8.2	12.4

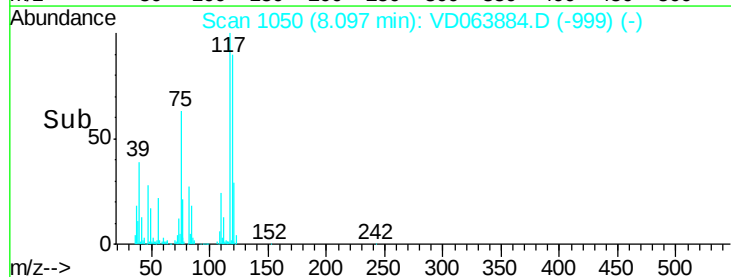
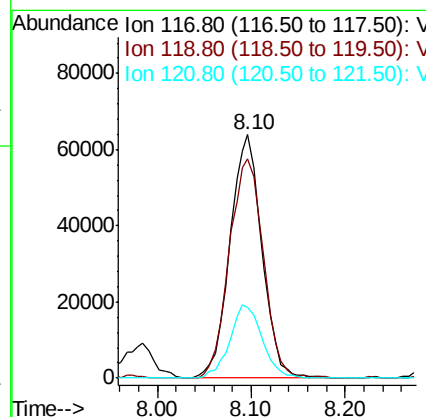
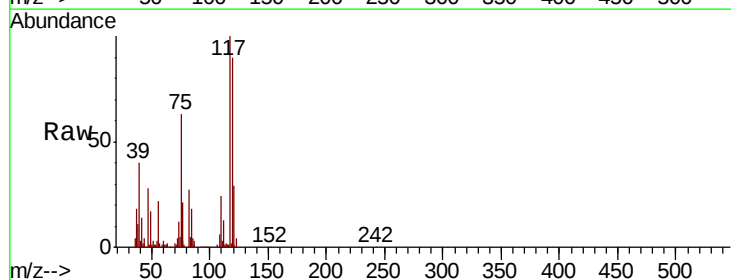
Manual Integrations
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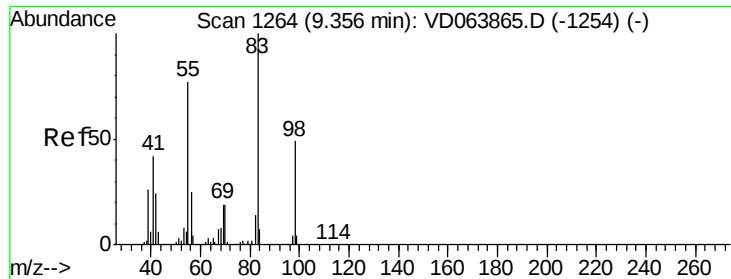
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#38
Carbon Tetrachloride
Concen: 48.878 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.2	70.8	106.2
121	29.2	21.4	32.0





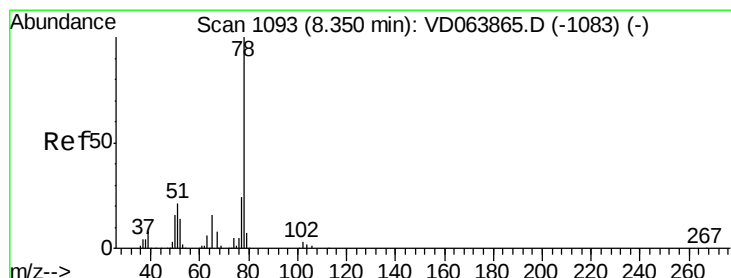
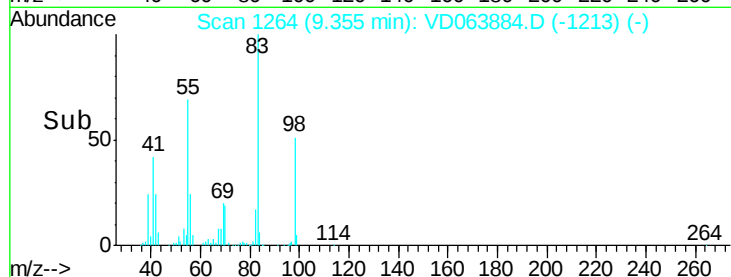
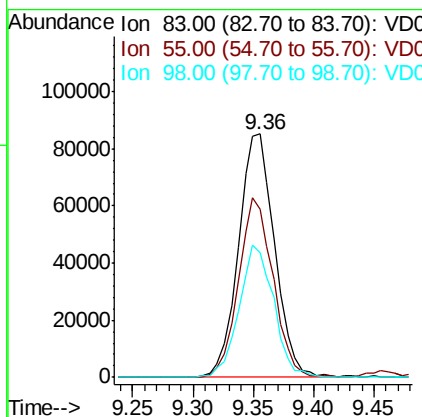
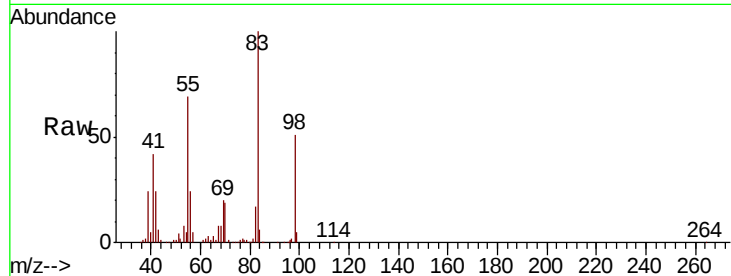
#39
Methvlcvclohexane
Concen: 47.409 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.2	61.3	91.9
98	51.4	39.3	58.9

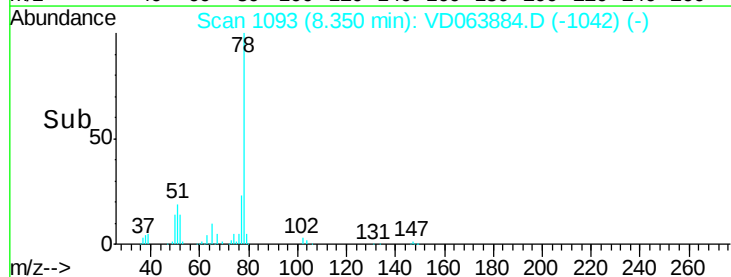
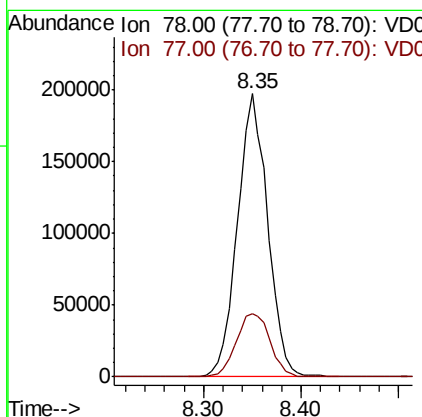
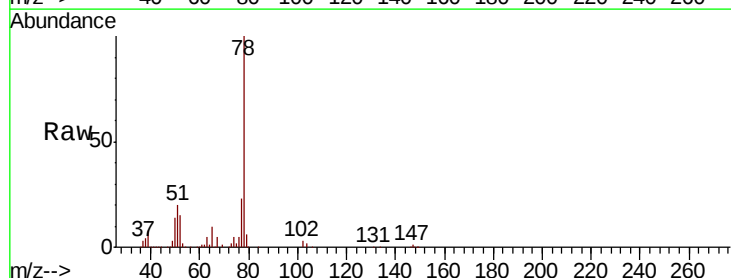
Manual Integrations
APPROVED

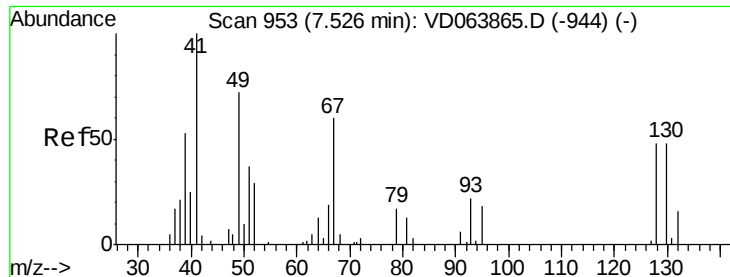
MMDadoda
10/8/2019 3:11:23 PM



#40
Benzene
Concen: 48.591 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.6





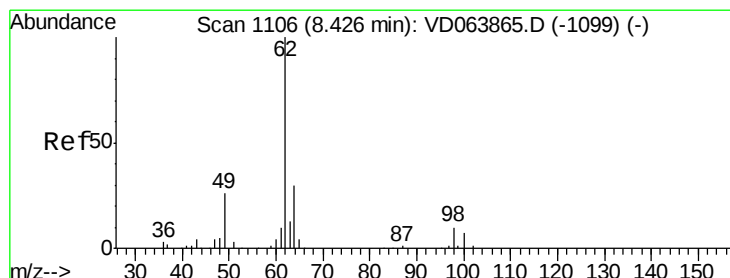
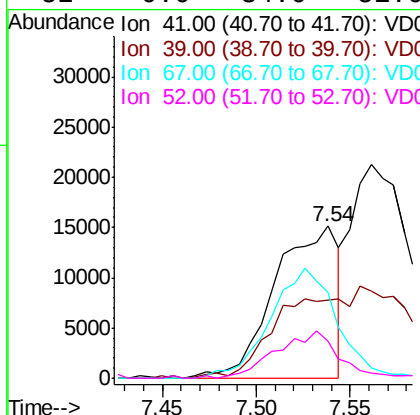
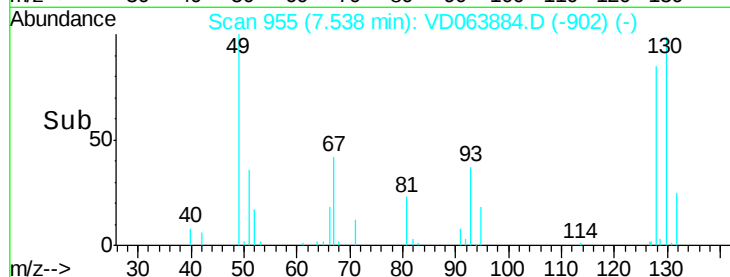
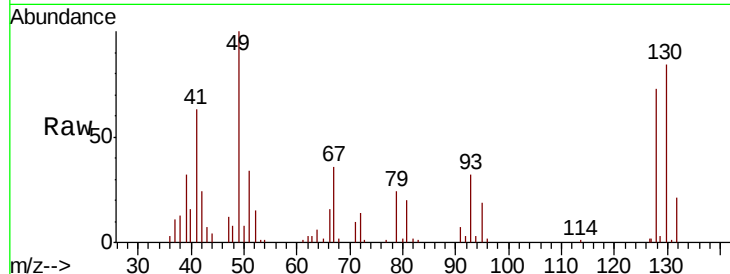
#41
Methacrylonitrile
Concen: 50.623 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 41 Resp: 35770
Ion Ratio Lower Upper
41 100
39 0.0 52.6 78.8#
67 0.0 74.2 111.2#
52 0.0 34.0 51.0#

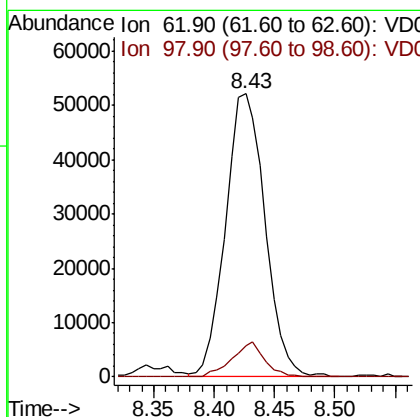
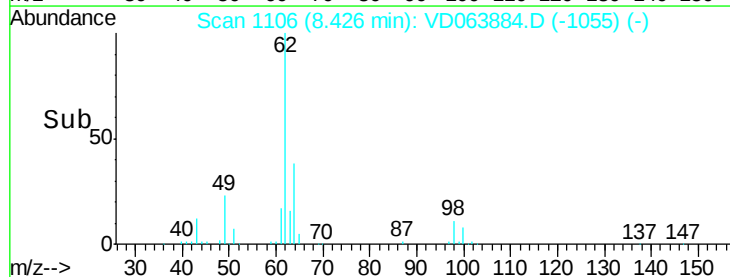
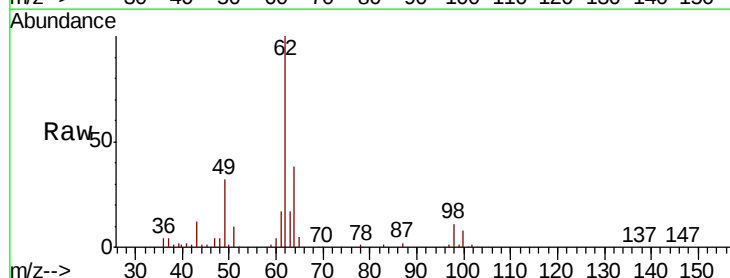
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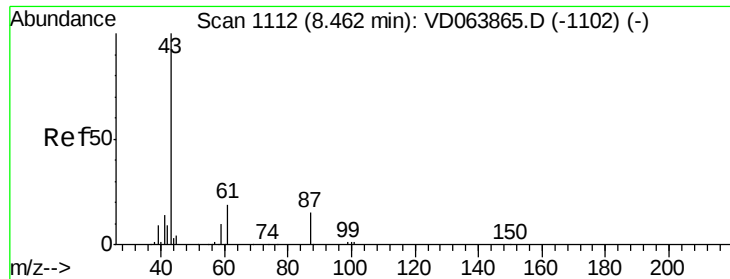
MMDadoda
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#42
1,2-Dichloroethane
Concen: 47.031 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 62 Resp: 118817
Ion Ratio Lower Upper
62 100
98 10.4 0.0 20.0





#43

Isopropyl Acetate

Concen: 47.165 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

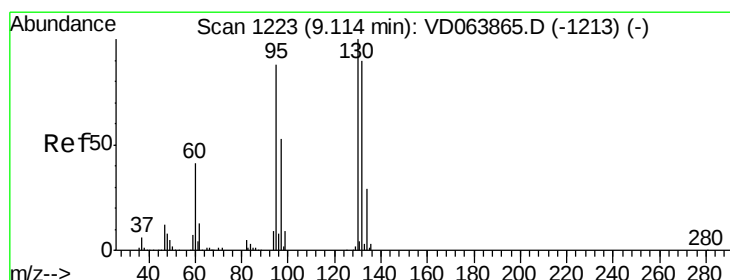
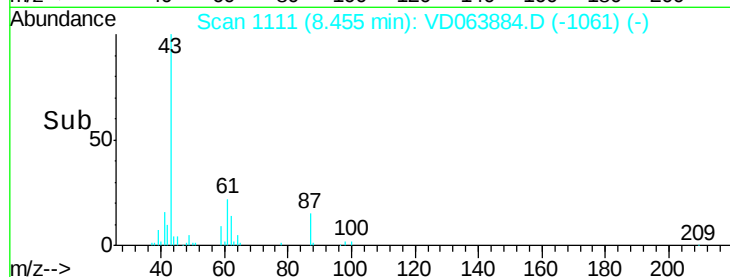
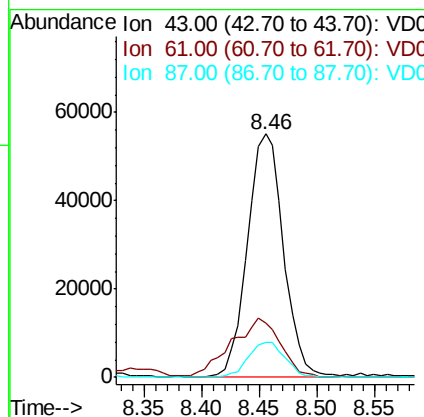
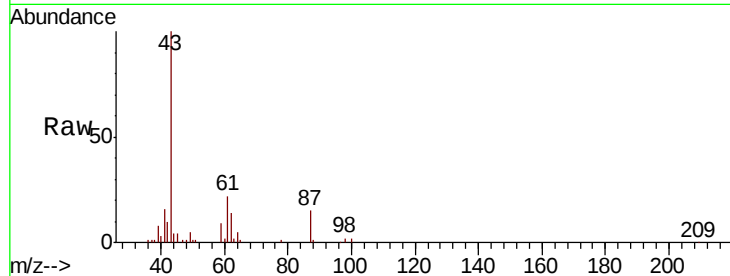
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	120548
Ion	Ratio	Lower	Upper
43	100		
61	32.9	25.7	38.5
87	14.8	11.6	17.4

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#44

Trichloroethene

Concen: 49.928 ug/l

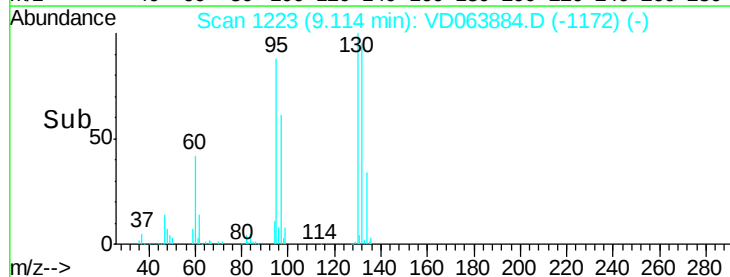
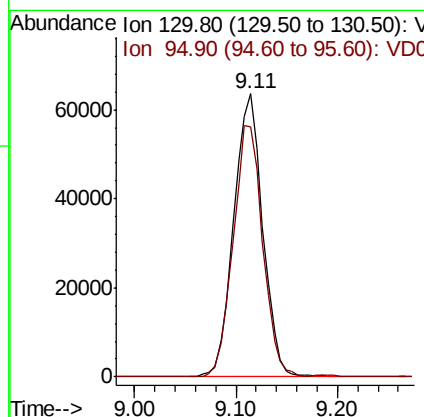
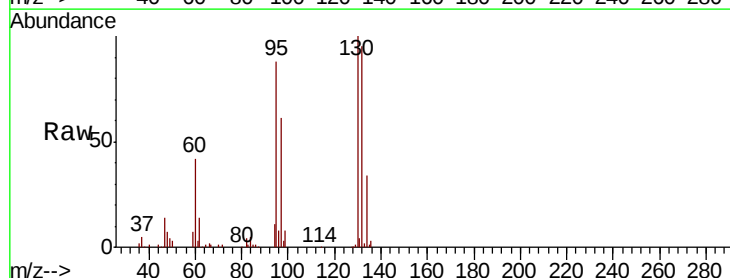
RT: 9.11 min Scan# 1223

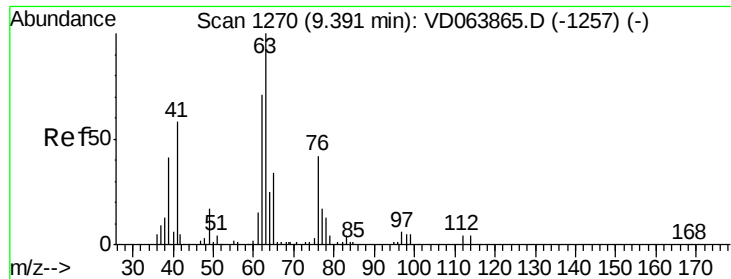
Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion:	130	Resp:	125741
Ion	Ratio	Lower	Upper
130	100		
95	88.2	0.0	175.6





#45

1,2-Dichloropropane

Concen: 47.528 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 101601

Ion Ratio Lower Upper

63 100

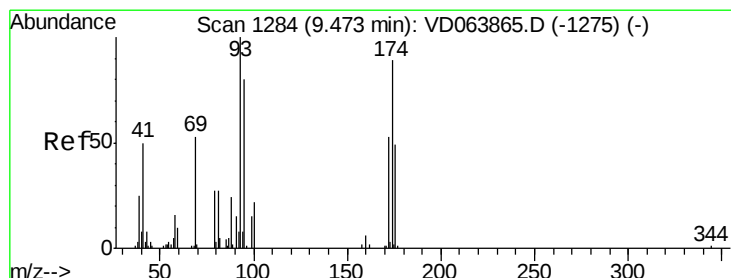
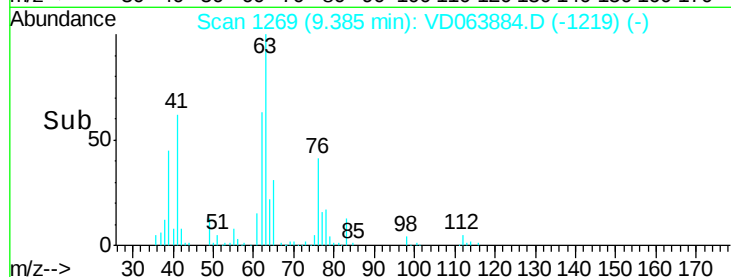
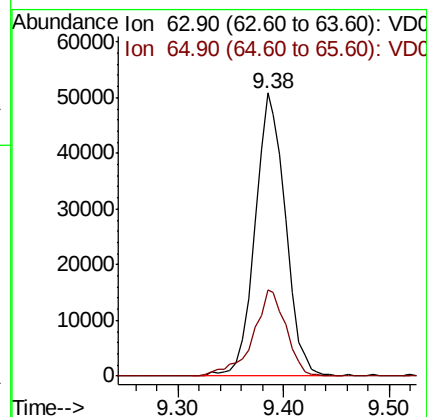
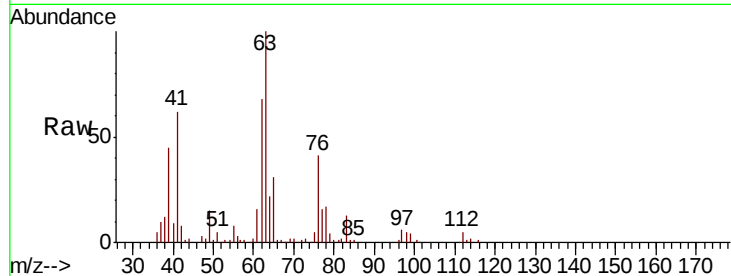
65 30.6 27.3 40.9

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#46

Dibromomethane

Concen: 47.711 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

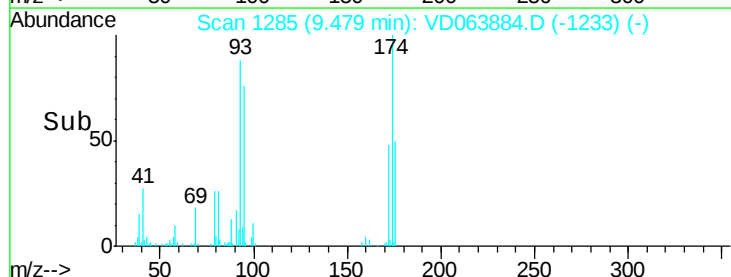
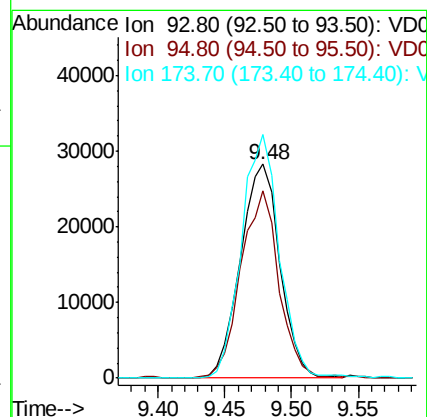
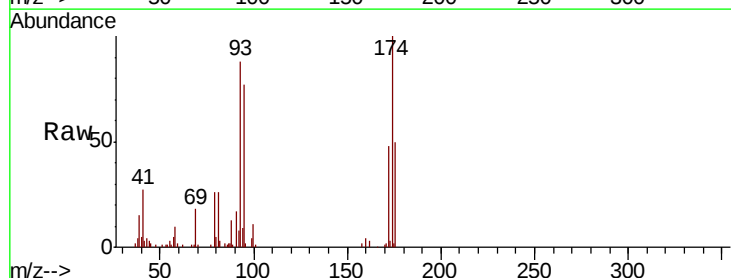
Tgt Ion: 93 Resp: 58086

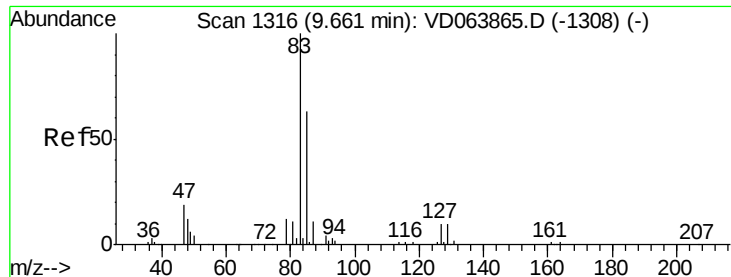
Ion Ratio Lower Upper

93 100

95 83.9 66.0 99.0

174 108.2 83.4 125.0





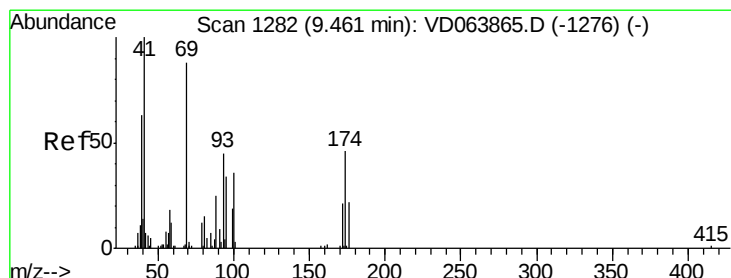
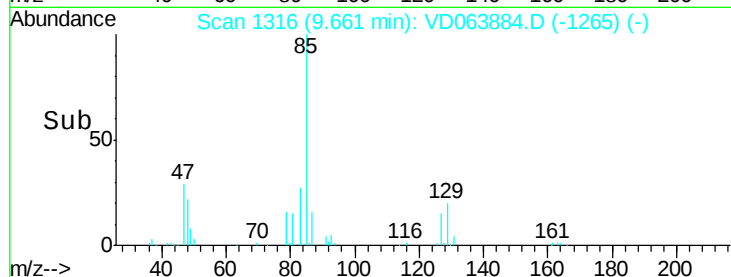
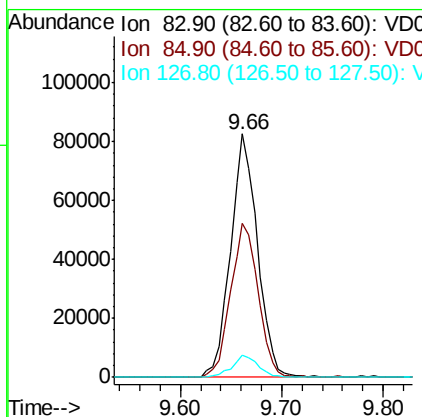
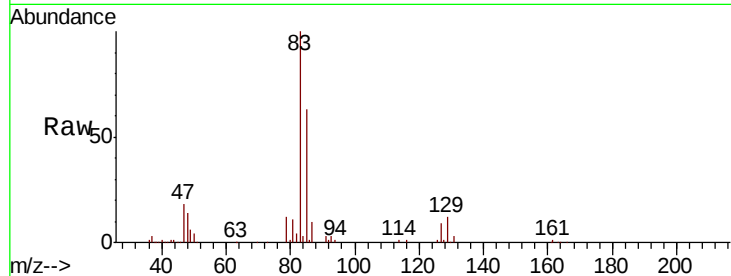
#47
Bromodichloromethane
Concen: 48.457 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.3	50.2	75.2	
127	9.3	7.6	11.4	

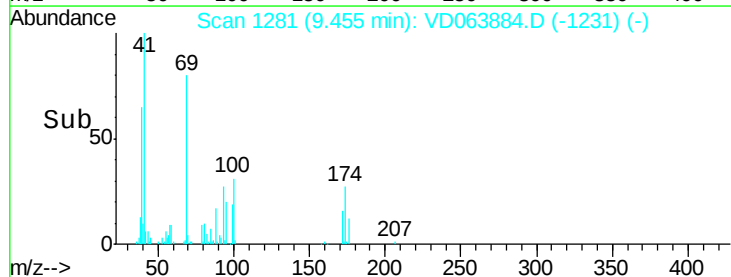
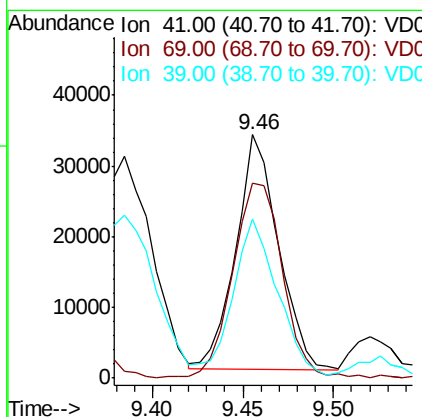
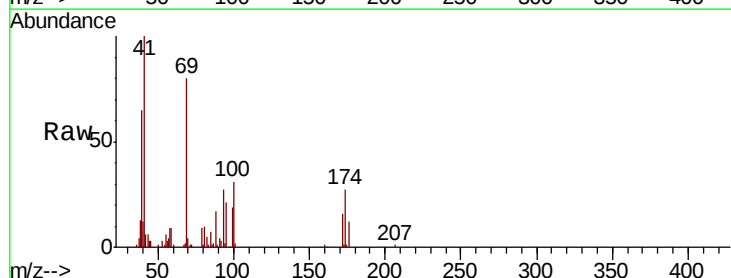
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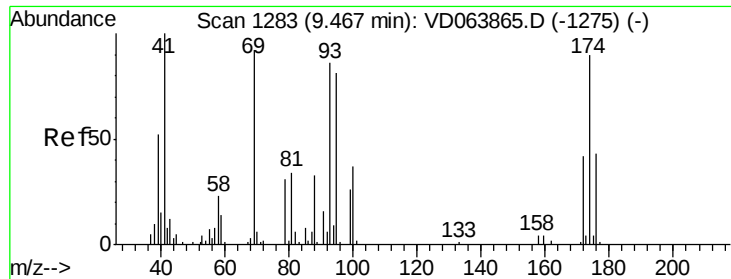
MMDadoda
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#48
Methyl methacrylate
Concen: 44.281 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	97.7	75.1	112.7	
39	71.4	50.2	75.2	





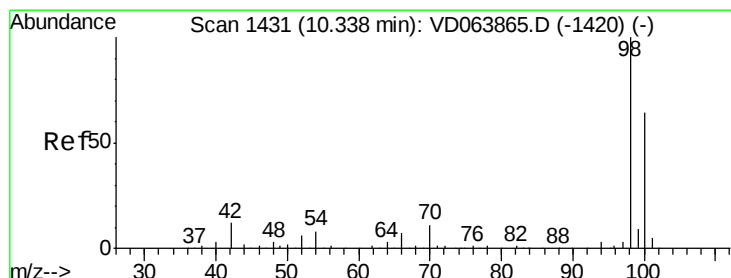
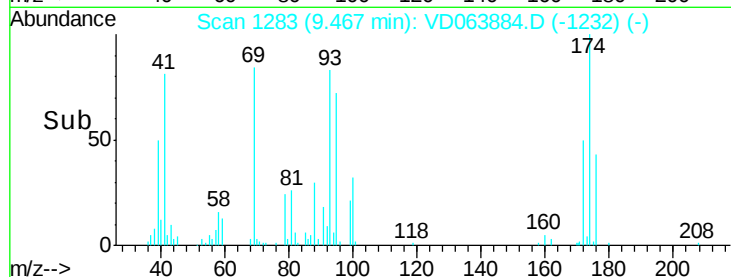
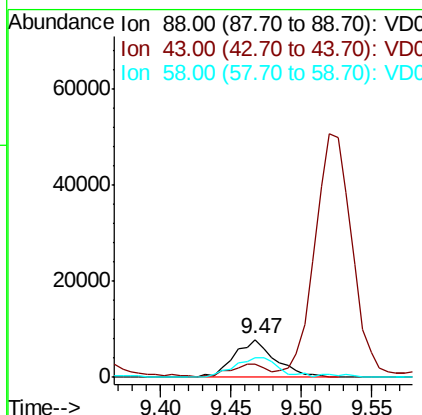
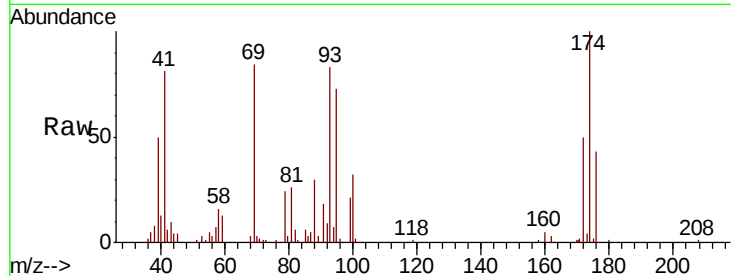
#49
1,4-Dioxane
Concen: 961.665 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.1	27.6	41.4
58	57.7	54.1	81.1

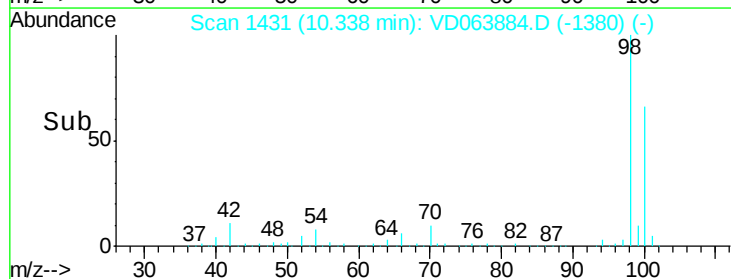
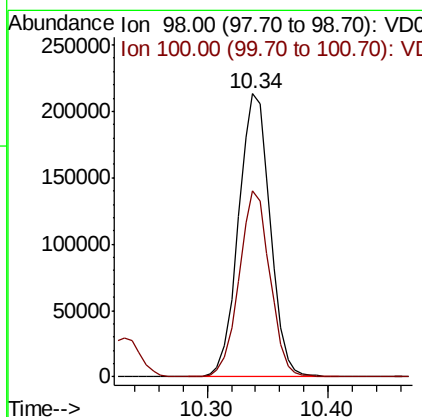
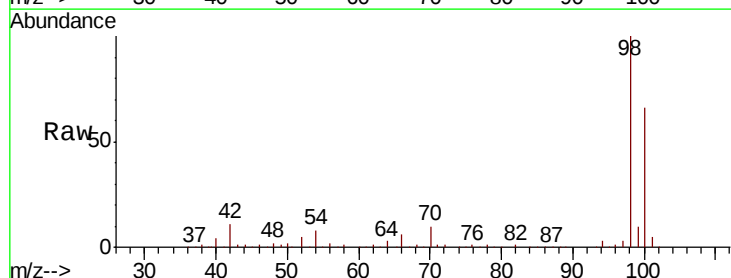
Manual Integrations
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#50
Toluene-d8
Concen: 47.134 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 238.946 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 316730

Ion Ratio Lower Upper

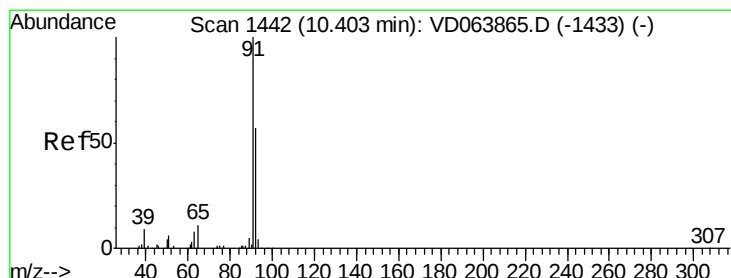
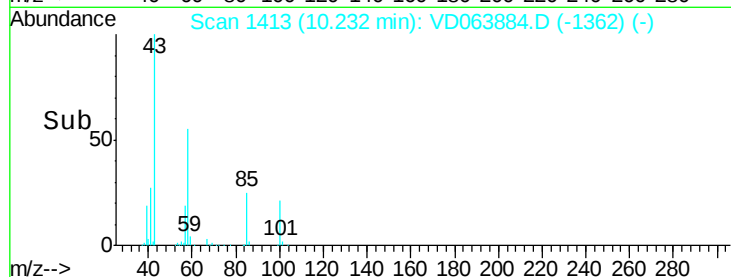
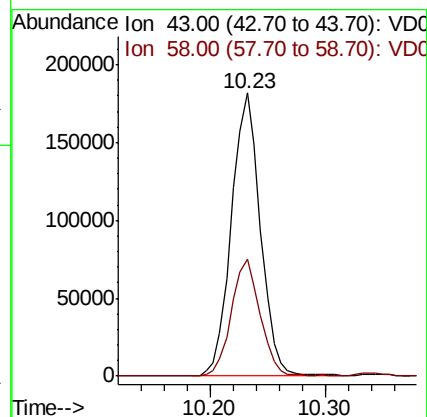
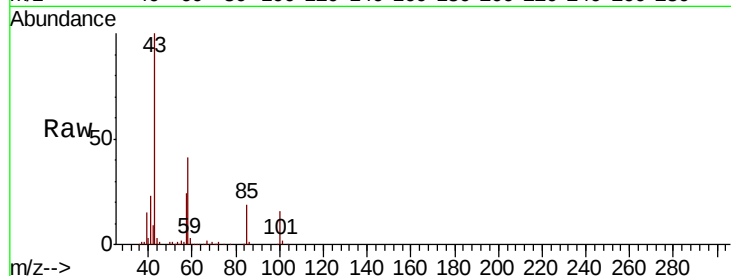
43 100

58 41.1 33.0 49.4

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#52

Toluene

Concen: 49.191 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063884.D

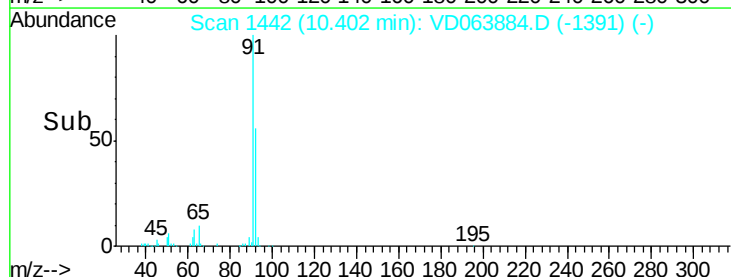
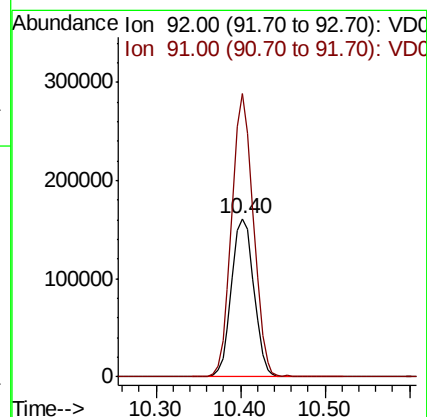
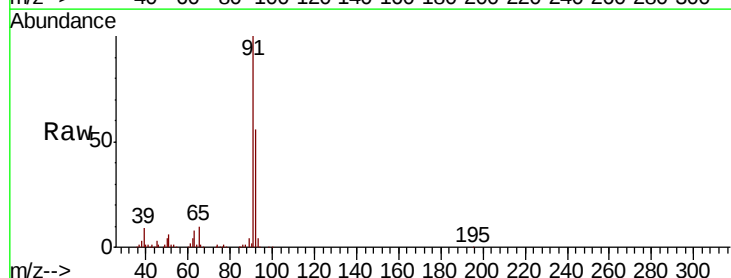
Acq: 04 Oct 2019 11:47

Tgt Ion: 92 Resp: 294925

Ion Ratio Lower Upper

92 100

91 172.6 139.5 209.3





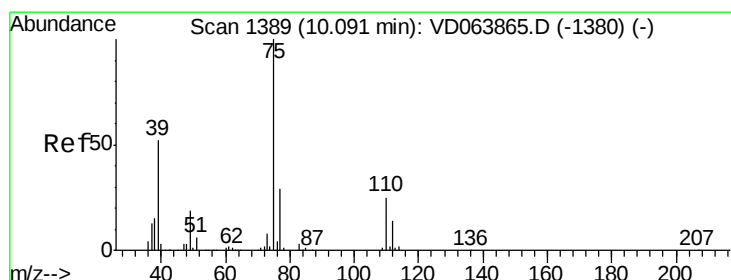
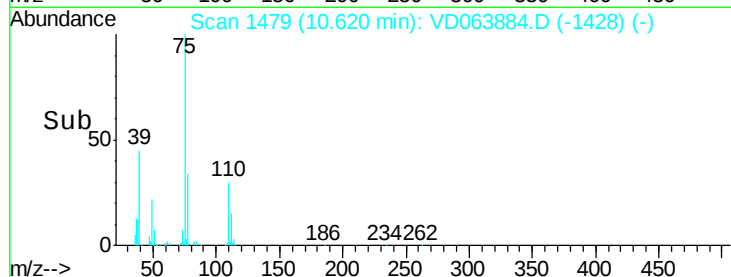
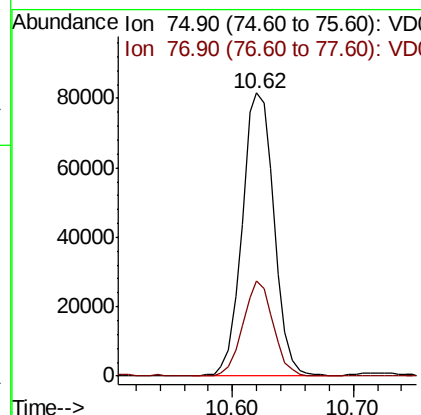
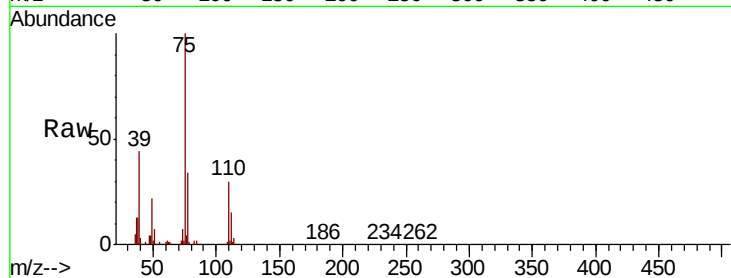
#53
 t-1,3-Dichloropropene
 Concen: 49.052 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 150033
 Ion Ratio Lower Upper
 75 100
 77 33.6 22.8 34.2

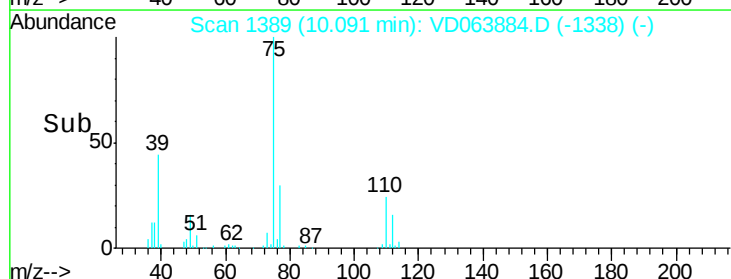
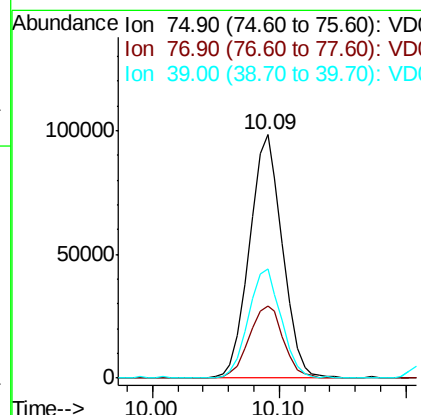
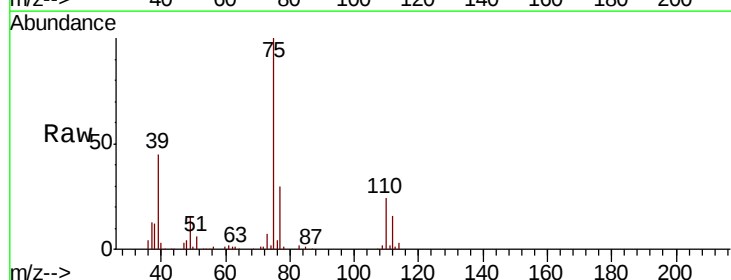
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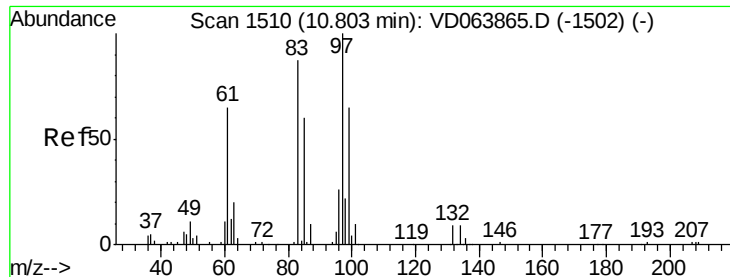
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 50.512 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion: 75 Resp: 177846
 Ion Ratio Lower Upper
 75 100
 77 29.8 23.2 34.8
 39 44.8 41.5 62.3





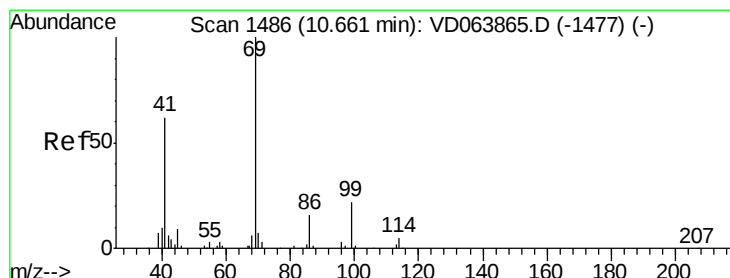
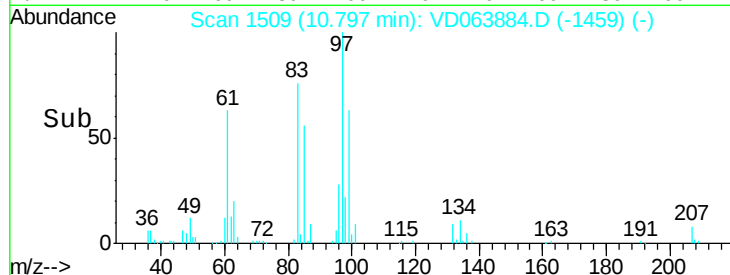
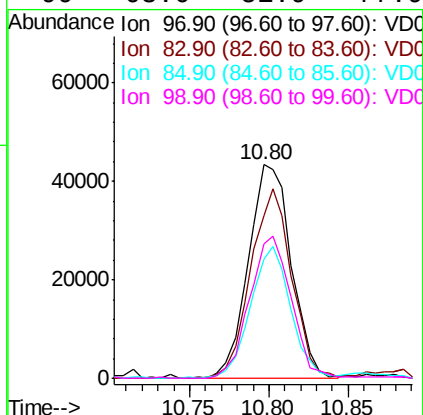
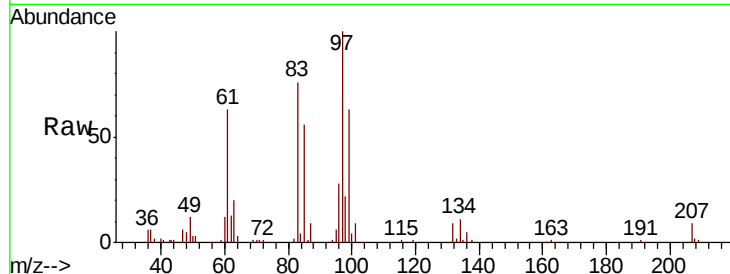
#55
 1,1,2-Trichloroethane
 Concen: 47.500 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	81652
Ion	Ratio	Lower	Upper
97	100		
83	76.2	69.7	104.5
85	55.2	48.1	72.1
99	63.0	51.9	77.9

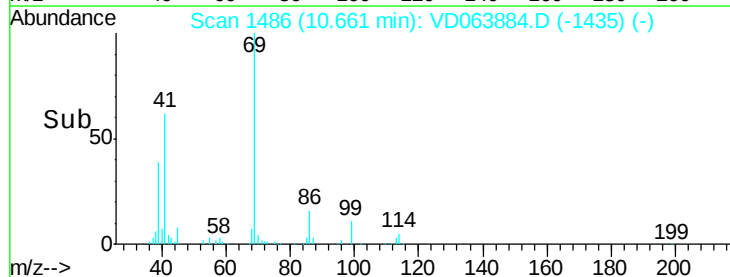
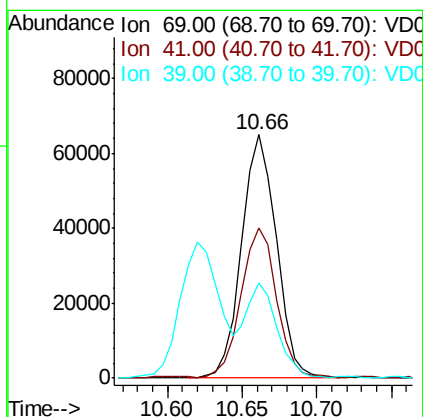
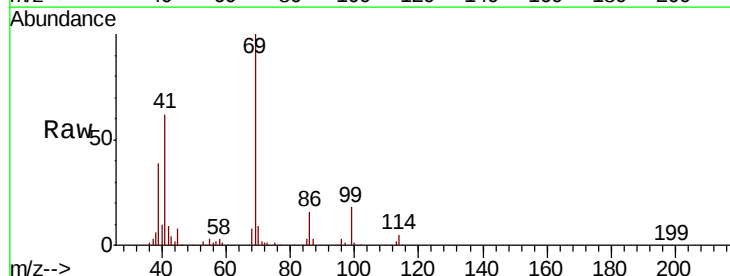
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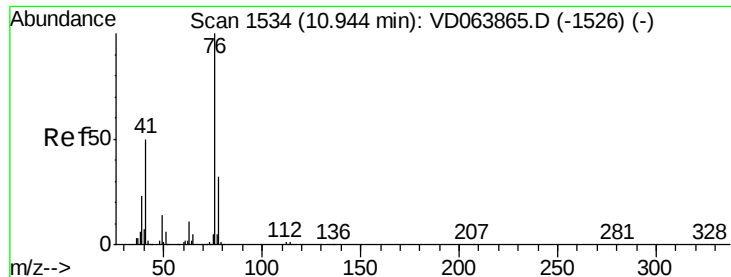
MMDadoda
 10/8/2019 3:11:23 PM



#56
 Ethyl methacrylate
 Concen: 48.312 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion:	69	Resp:	105168
Ion	Ratio	Lower	Upper
69	100		
41	61.9	51.3	76.9
39	35.7	28.0	42.0





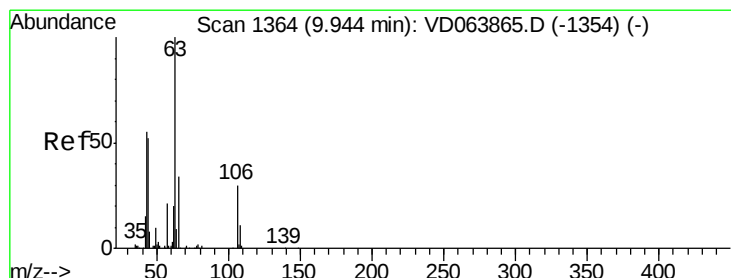
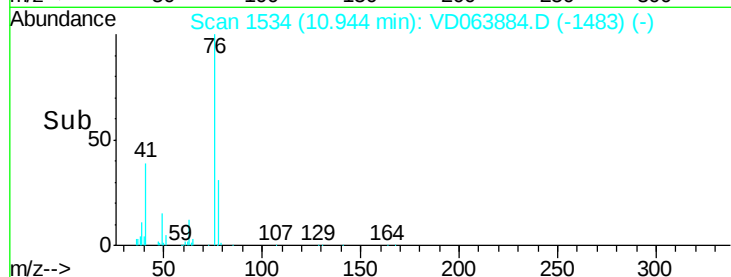
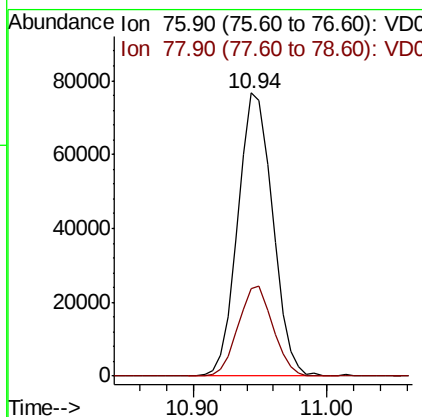
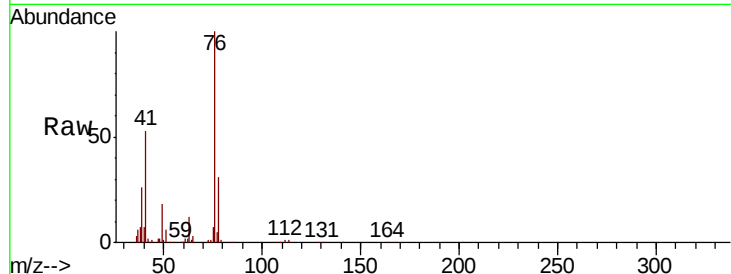
#57
 1,3-Dichloropropane
 Concen: 47.271 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.7	26.6	40.0

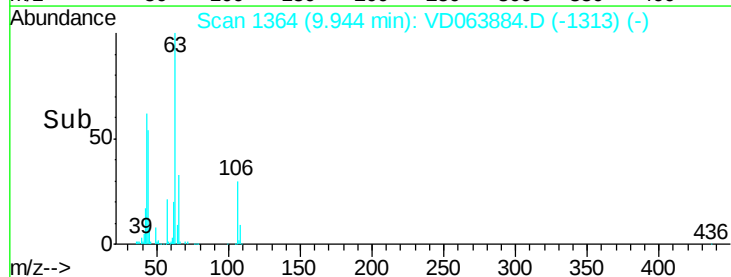
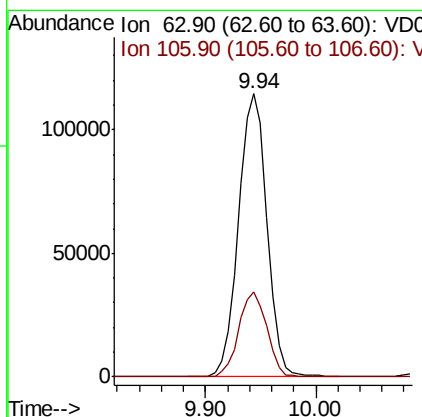
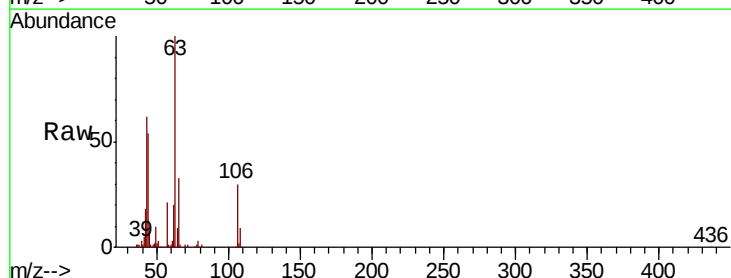
Manual Integrations
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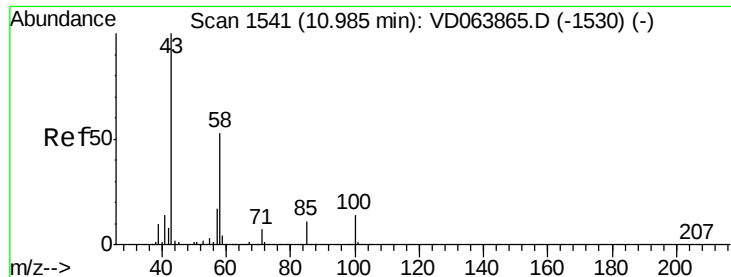
MMDadoda
 10/8/2019 3:11:23 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 221.686 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	24.3	36.5





#59

2-Hexanone

Concen: 247.865 ug/l

RT: 10.98 min Scan# 1541

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 237666

Ion Ratio Lower Upper

43 100

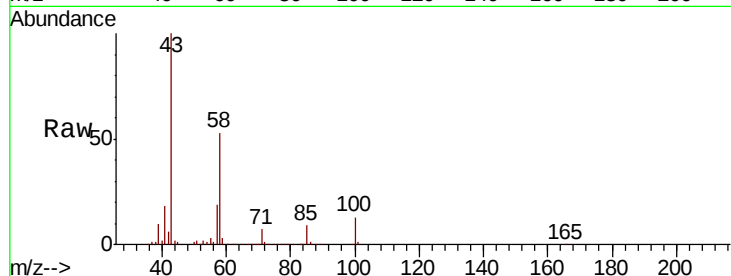
58 56.2 27.7 83.0

Manual Integrations

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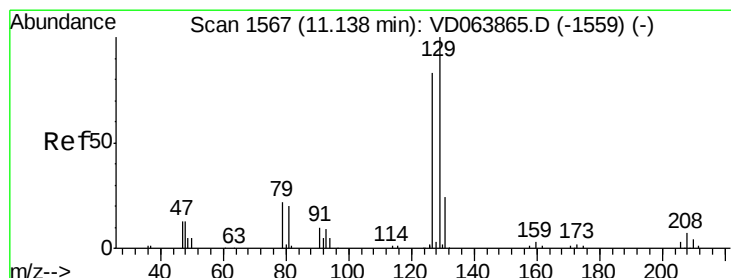
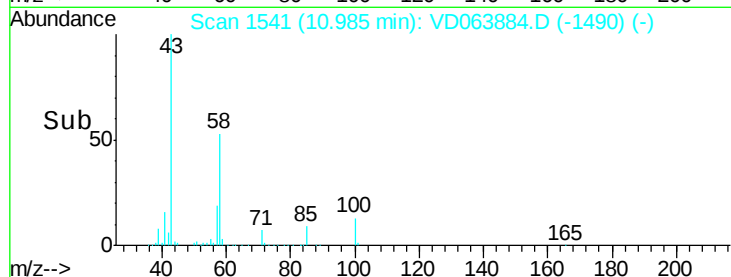
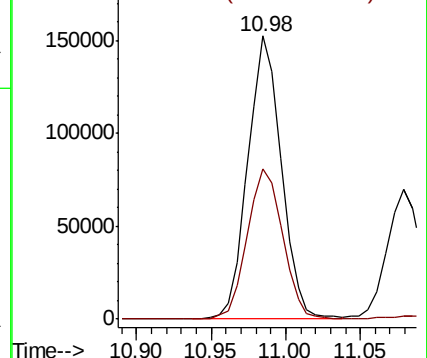
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#60

Dibromochloromethane

Concen: 49.670 ug/l

RT: 11.14 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VD063884.D

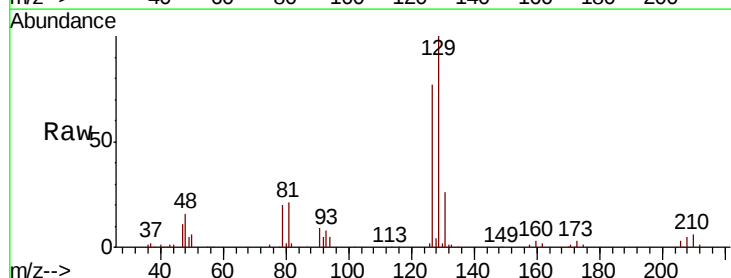
Acq: 04 Oct 2019 11:47

Tgt Ion: 129 Resp: 111158

Ion Ratio Lower Upper

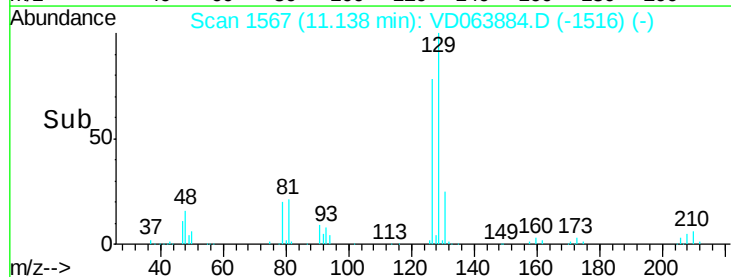
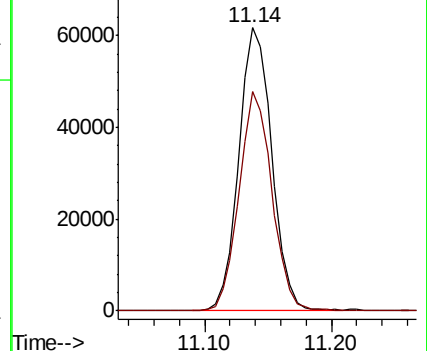
129 100

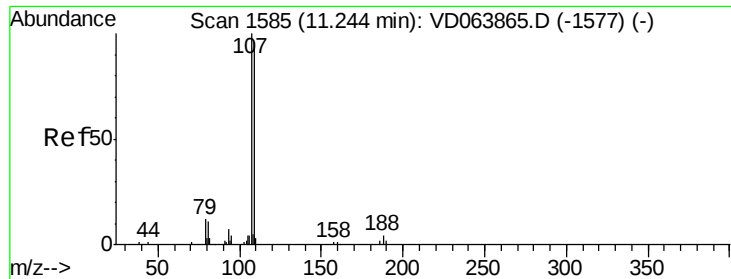
127 77.1 39.9 119.6



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V





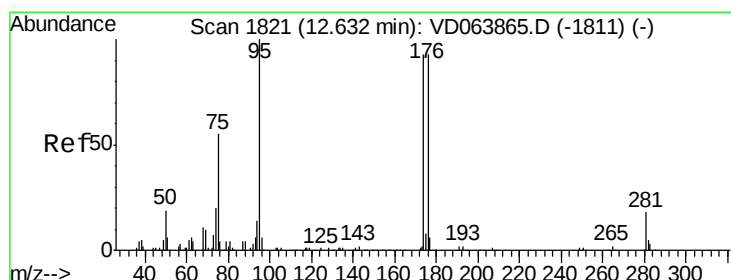
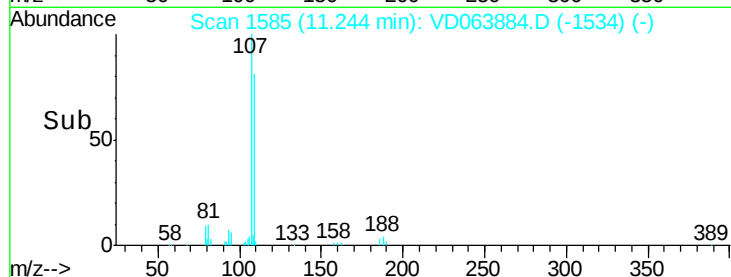
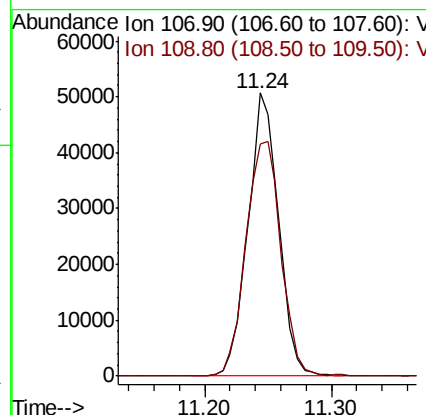
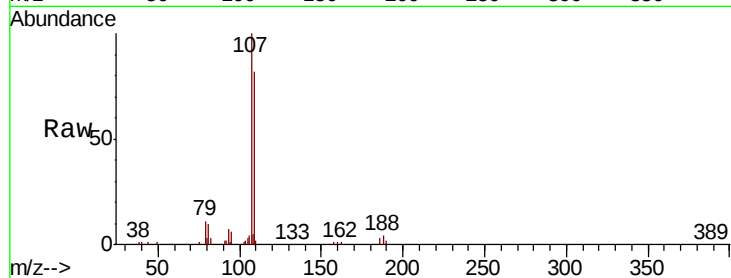
#61
 1,2-Dibromoethane
 Concen: 51.025 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	75.2	112.8

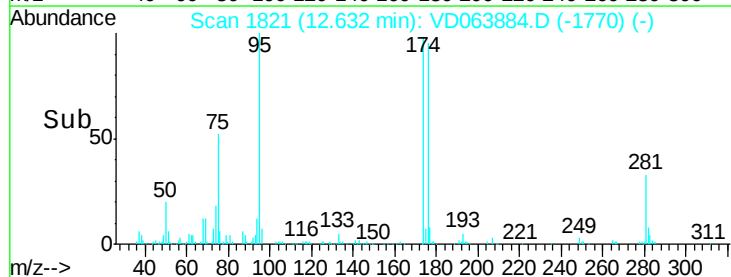
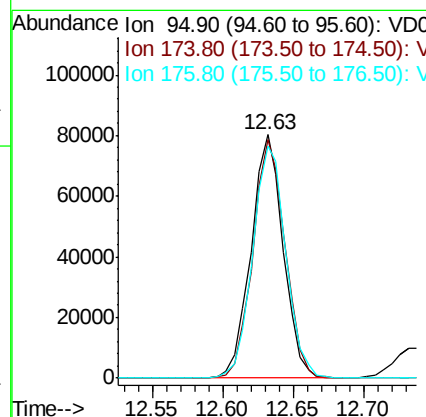
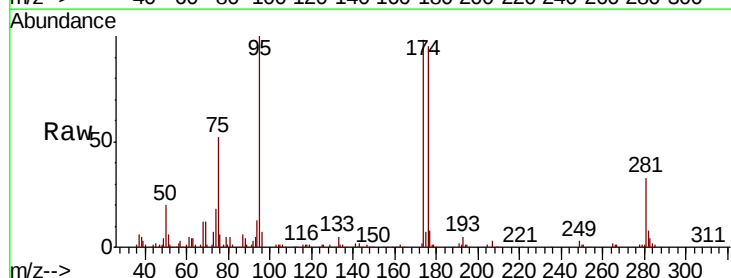
Manual Integrations
 APPROVED

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#62
 4-Bromofluorobenzene
 Concen: 44.684 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.2	0.0	186.4
176	98.2	0.0	184.2





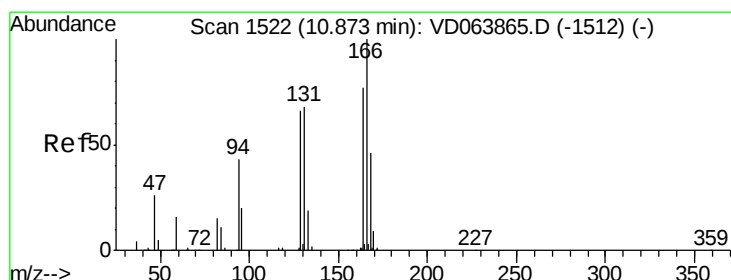
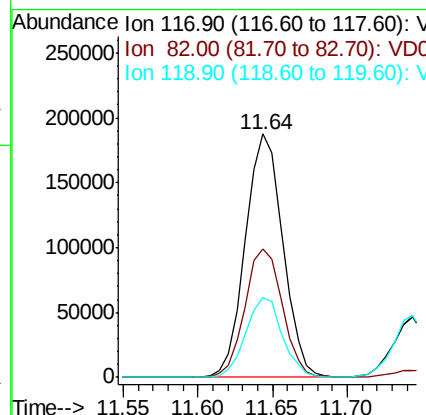
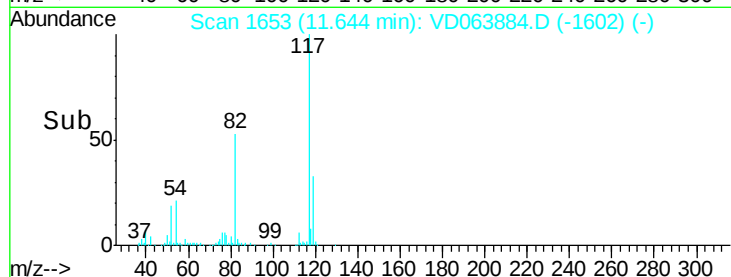
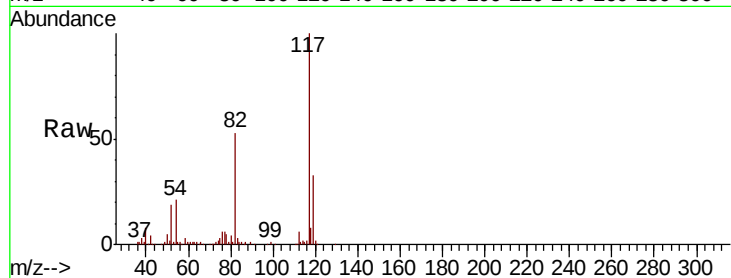
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.8	64.2
119	32.6	24.4	36.6

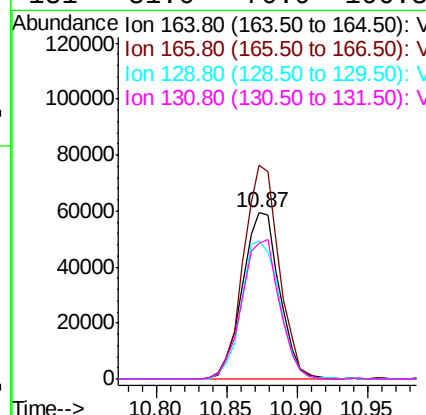
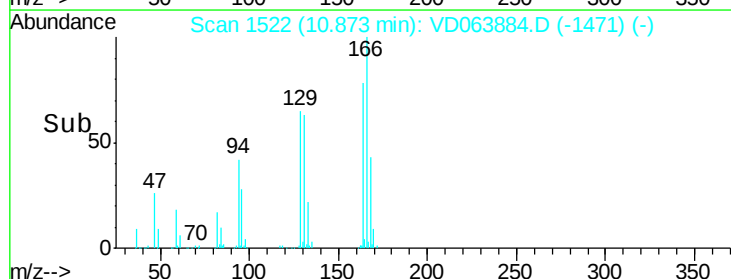
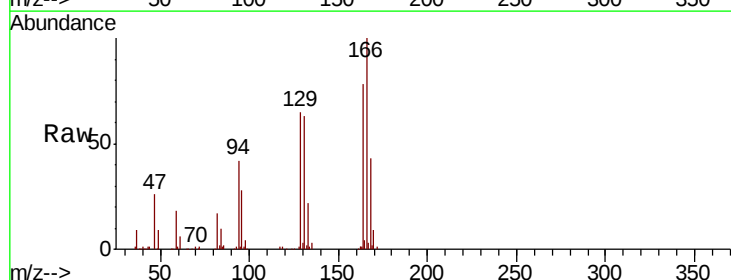
Manual Integrations
APPROVED

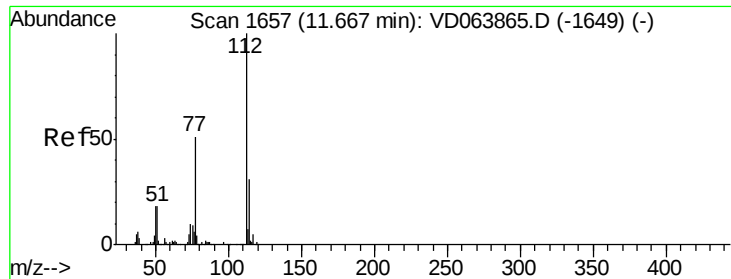
MMDadoda
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#64
Tetrachloroethene
Concen: 49.199 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	103.8	155.6
129	83.3	68.9	103.3
131	81.6	70.9	106.3





#65

Chlorobenzene

Concen: 49.549 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:112 Resp: 323852

Ion Ratio Lower Upper

112 100

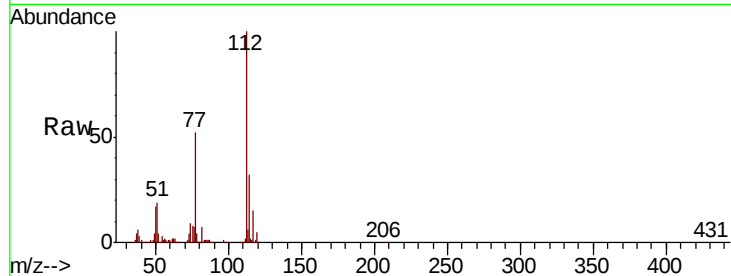
114 32.0 25.1 37.7

Manual Integrations

APPROVED

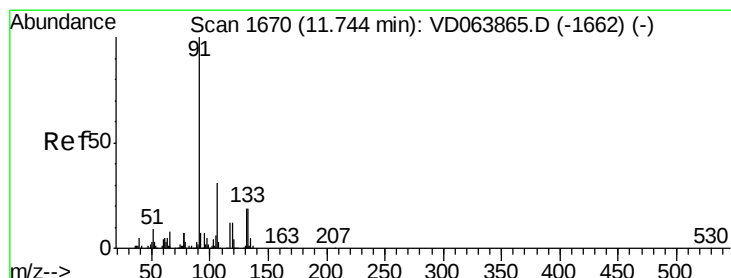
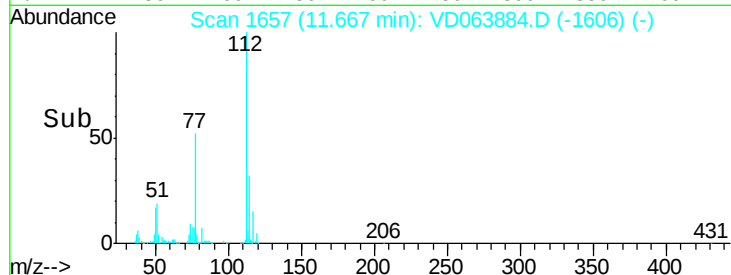
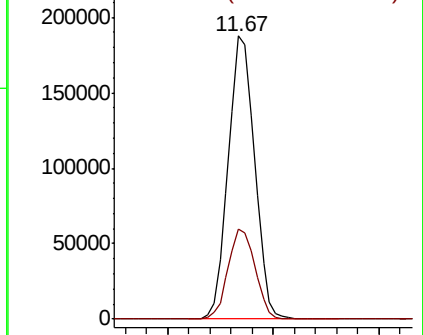
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.114 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

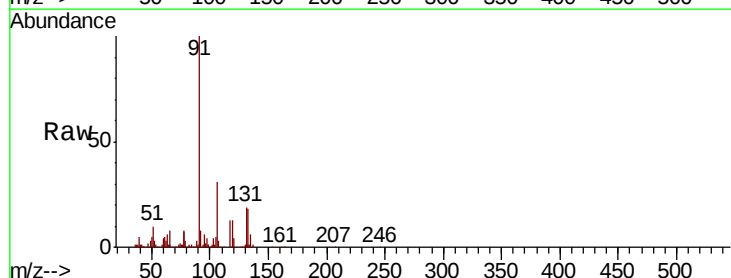
Tgt Ion:131 Resp: 118283

Ion Ratio Lower Upper

131 100

133 94.8 48.9 146.7

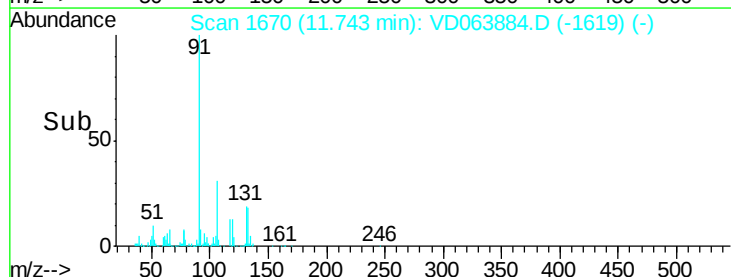
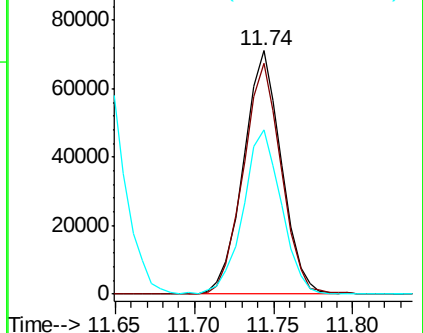
119 67.3 32.6 97.8

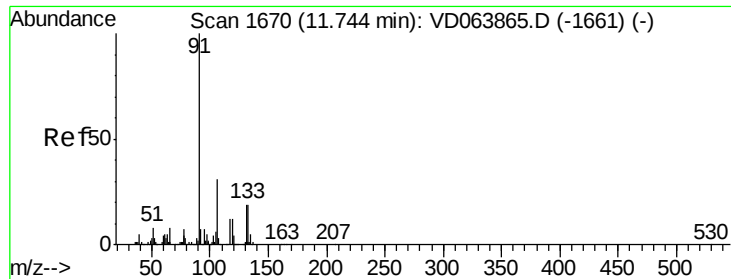


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





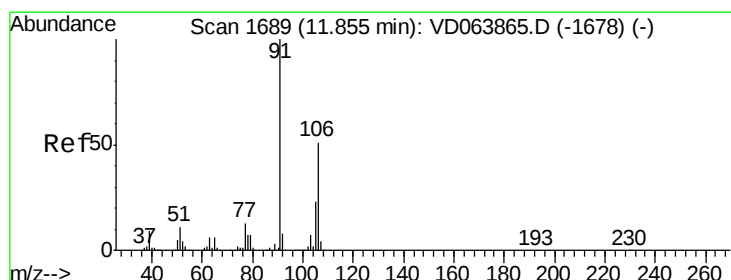
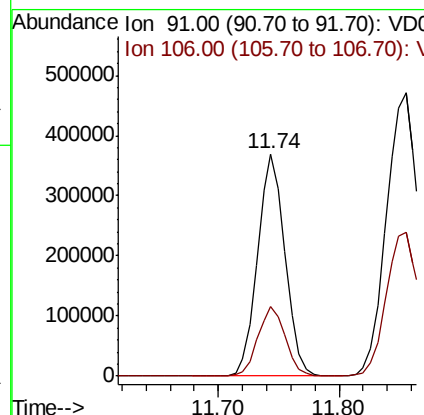
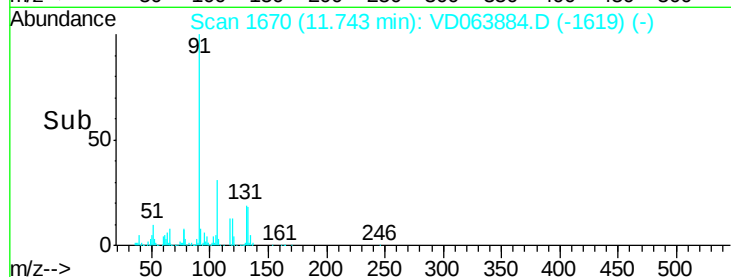
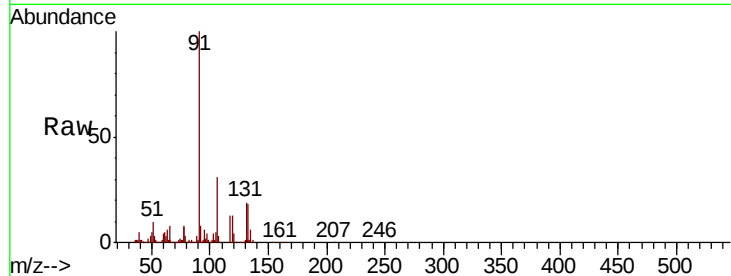
#67
Ethyl Benzene
Concen: 49.837 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 587352
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0

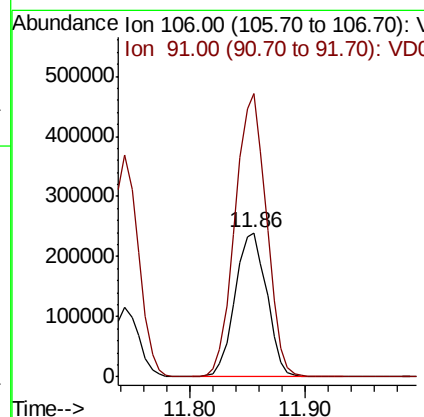
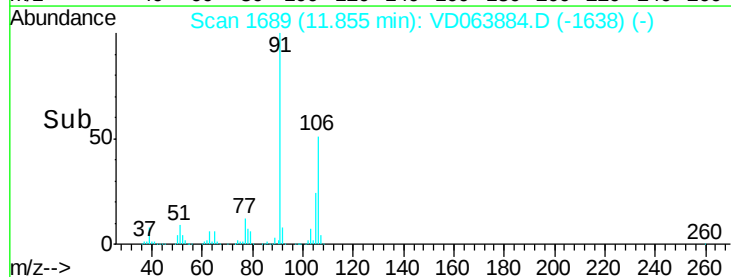
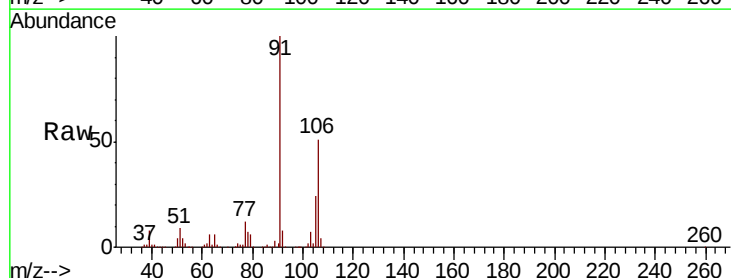
Manual Integrations
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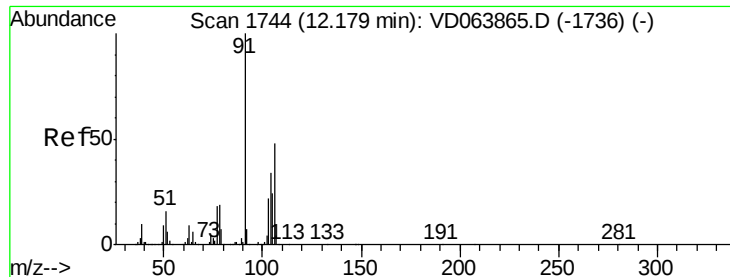
MMDadoda
10/8/2019 3:11:23 PM



#68
m/p-Xylenes
Concen: 100.639 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 106 Resp: 457803
Ion Ratio Lower Upper
106 100
91 194.1 154.8 232.2





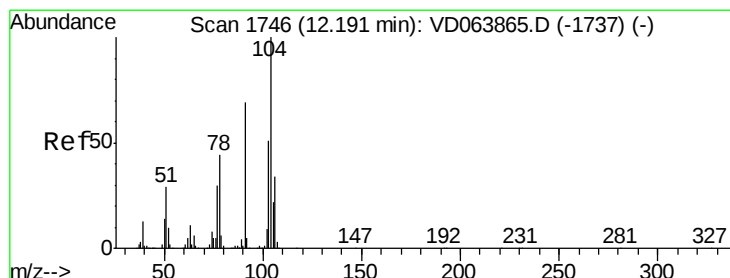
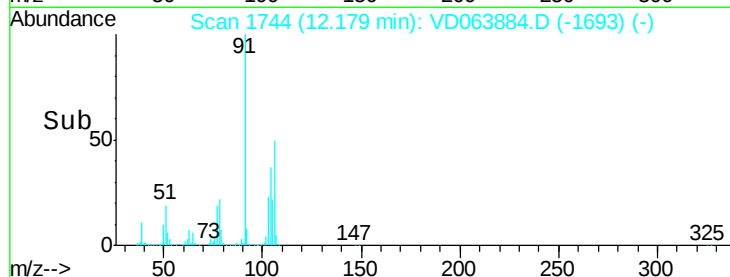
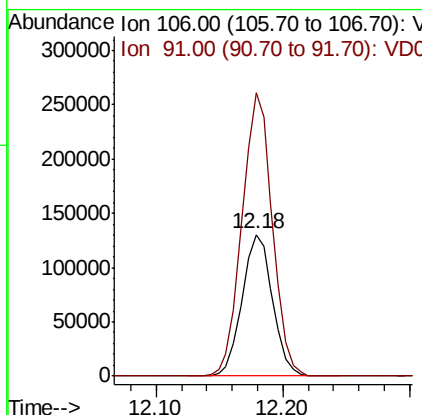
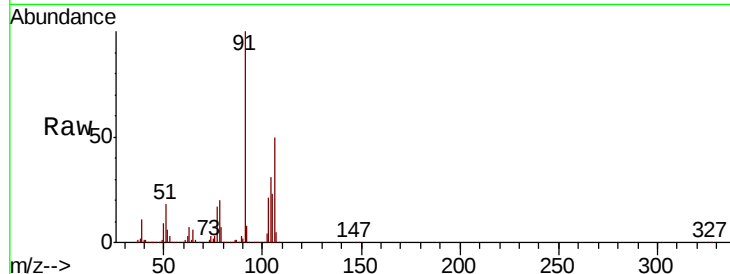
#69
o-Xylene
Concen: 49.789 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	199.9	103.9	311.7

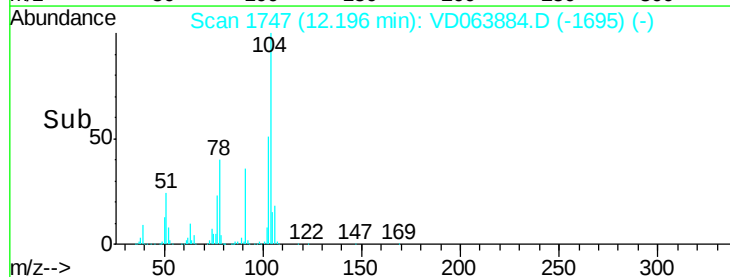
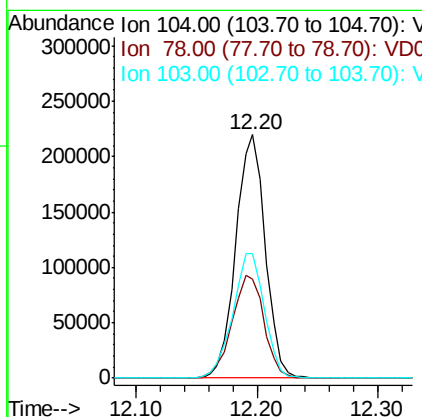
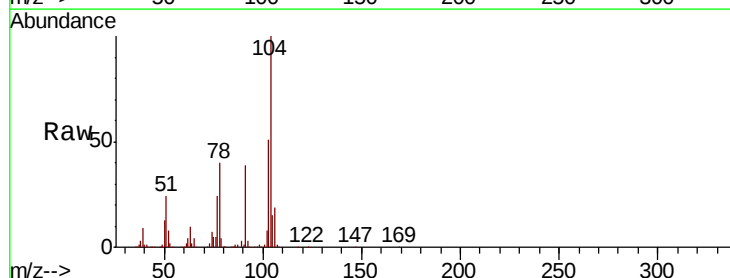
Manual Integrations
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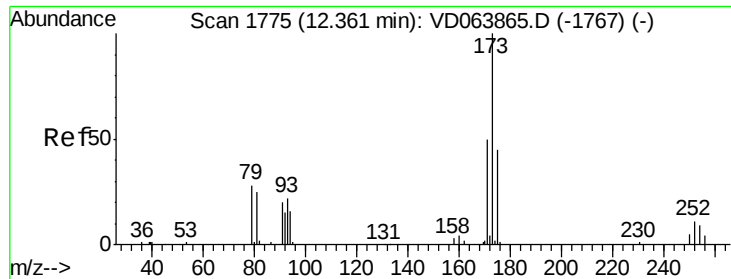
MMDadoda
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#70
Styrene
Concen: 50.693 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
104	100		
78	45.7	37.0	55.4
103	55.0	44.2	66.4





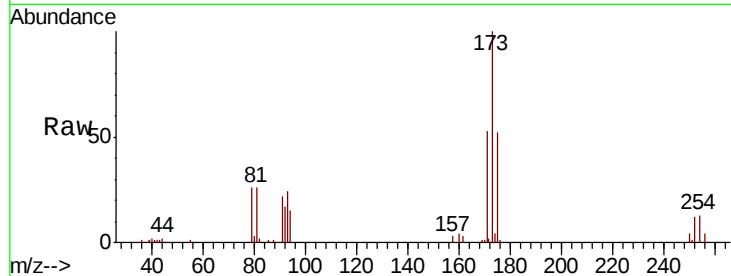
#71
Bromoform
Concen: 51.574 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

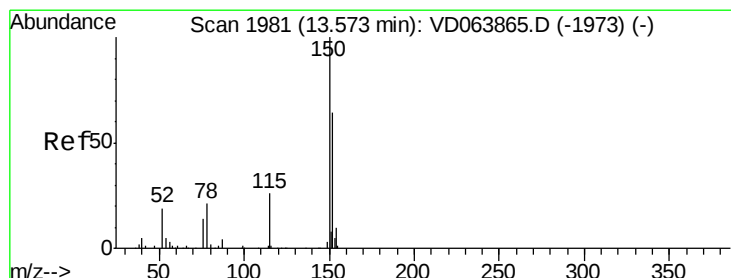
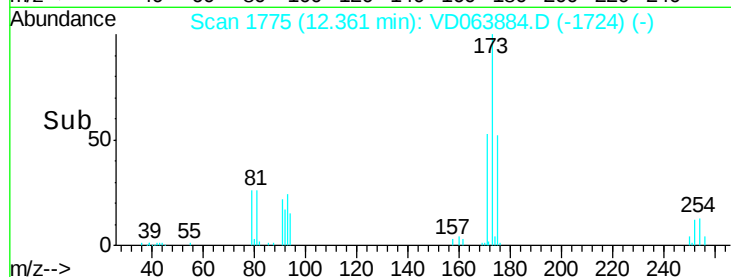
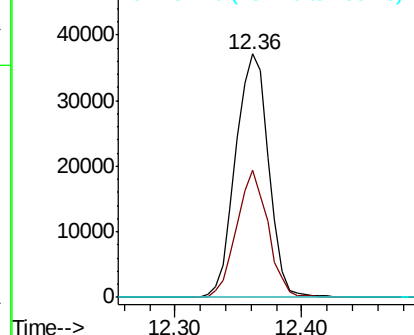
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.6	74.0
254	0.0	0.0	0.0

Manual Integrations
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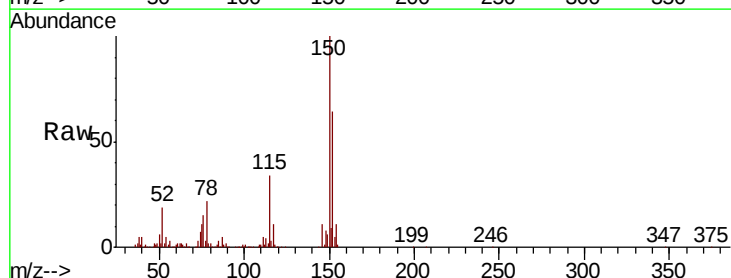


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

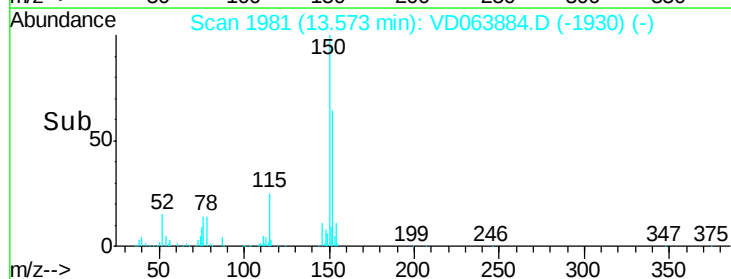
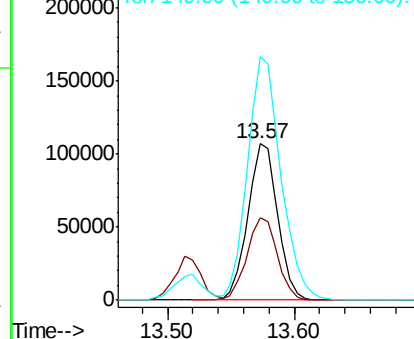


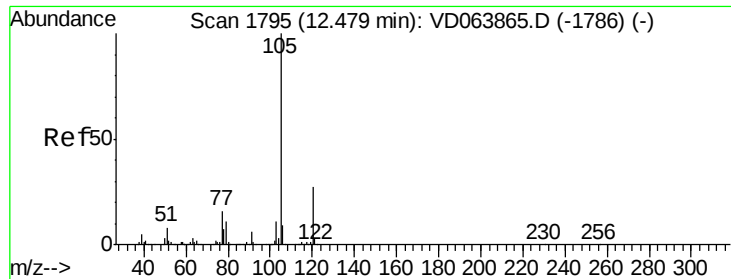
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.57 min Scan# 1981
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.5	25.9	77.7
150	174.4	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: 49.335 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 578876

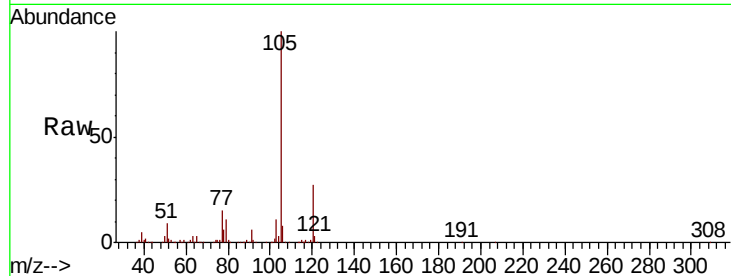
Ion Ratio Lower Upper

105 100

120 27.1 13.3 39.8

Manual Integrations
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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

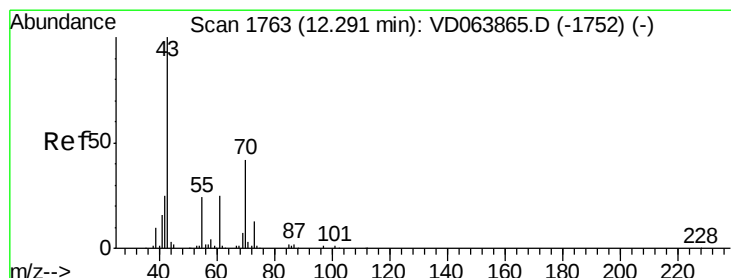
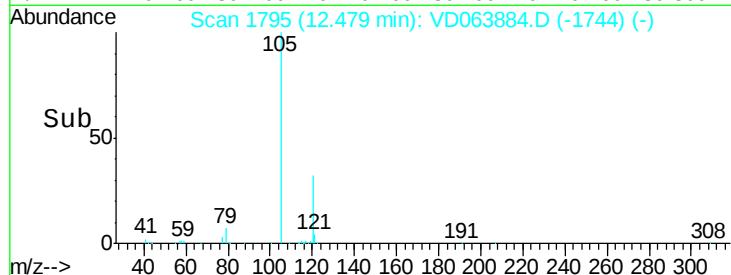
100000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 48.670 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion: 43 Resp: 122955

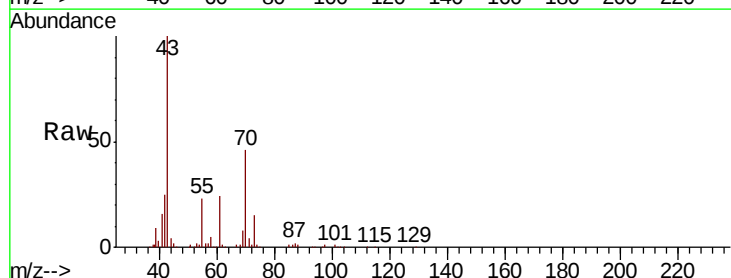
Ion Ratio Lower Upper

43 100

70 45.6 35.8 53.6

55 24.0 19.4 29.0

61 24.8 20.4 30.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

120000

100000

80000

60000

40000

20000

0

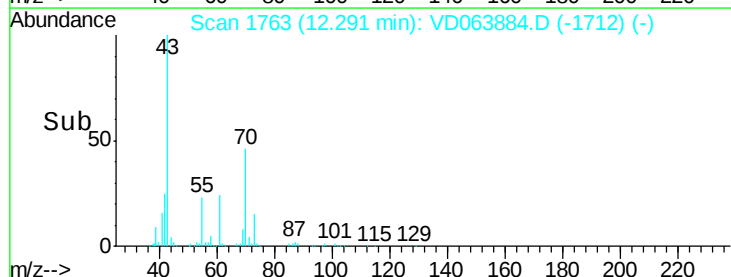
12.20

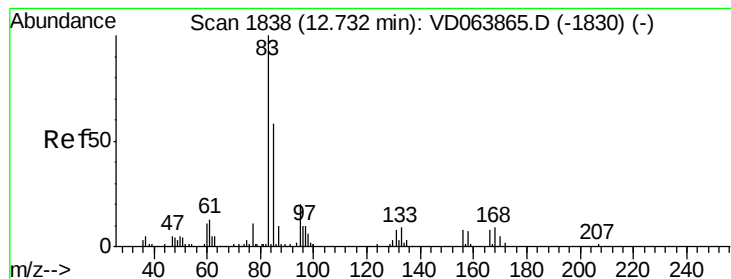
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 46.721 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

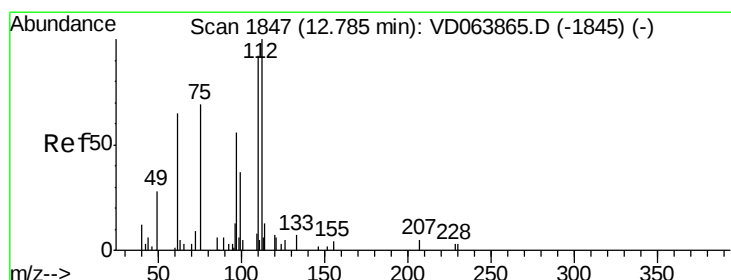
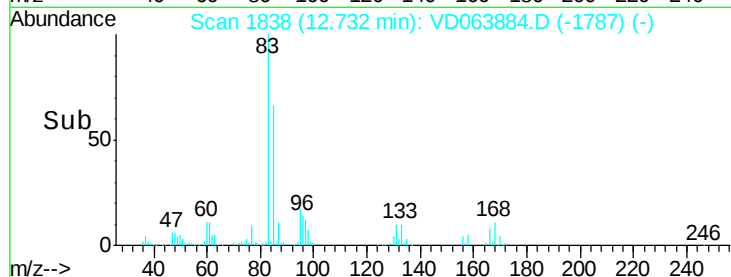
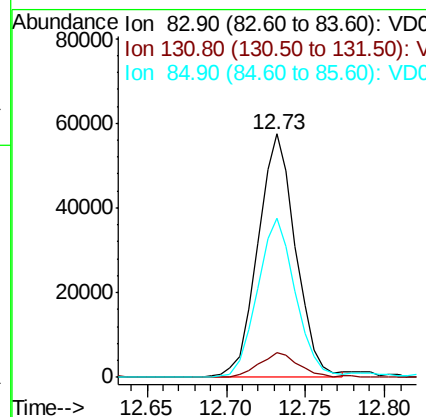
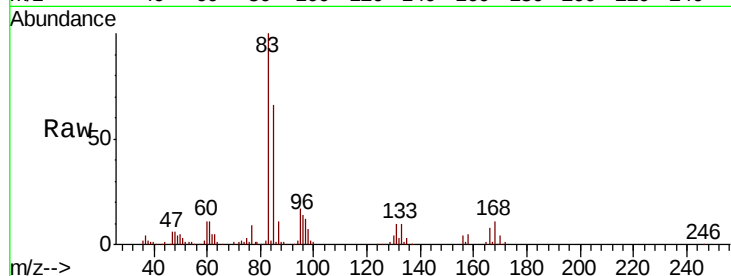
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	95395
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.6	16.8
85	65.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 50.253 ug/l m

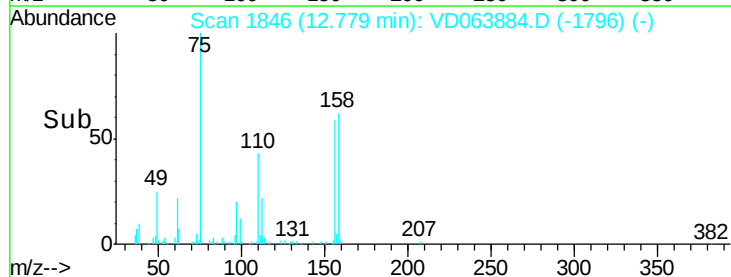
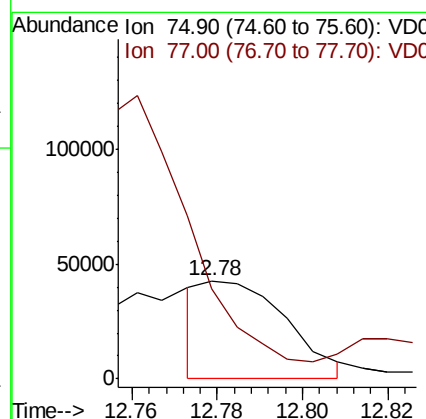
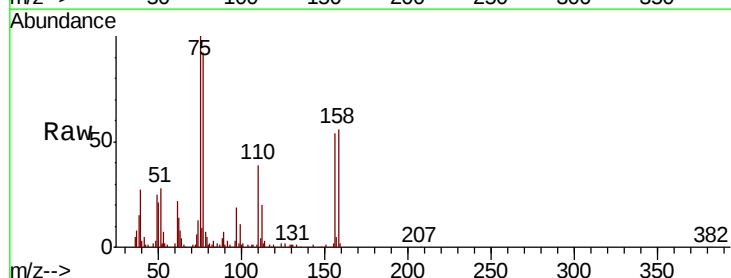
RT: 12.78 min Scan# 1846

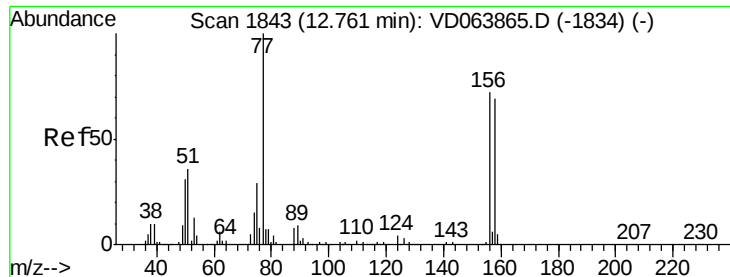
Delta R.T. -0.01 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Tgt Ion:	75	Resp:	58748
Ion Ratio	Lower	Upper	
75	100		
77	387.8	0.0	0.0#





#77

Bromobenzene

Concen: 48.897 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD063884.D

Acq: 04 Oct 2019 11:47

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 142943

Ion Ratio Lower Upper

156 100

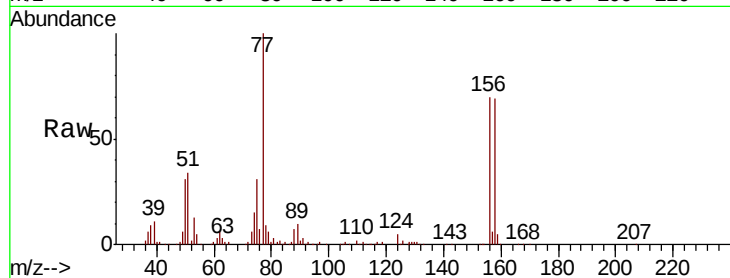
77 159.4 80.3 241.0

158 99.1 47.4 142.2

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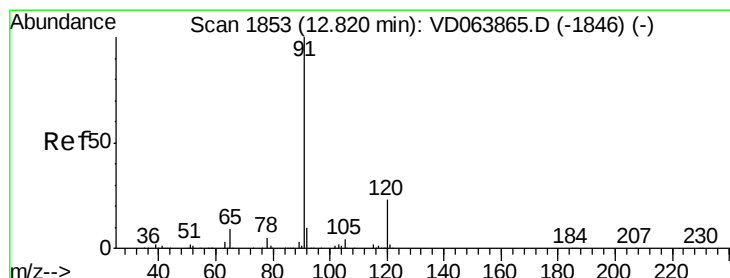
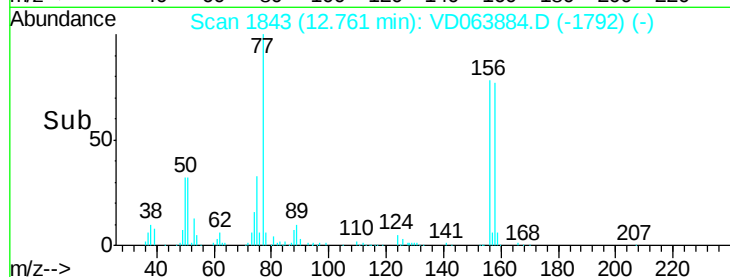
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

12.76

Time-->



#78

n-propylbenzene

Concen: 49.245 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD063884.D

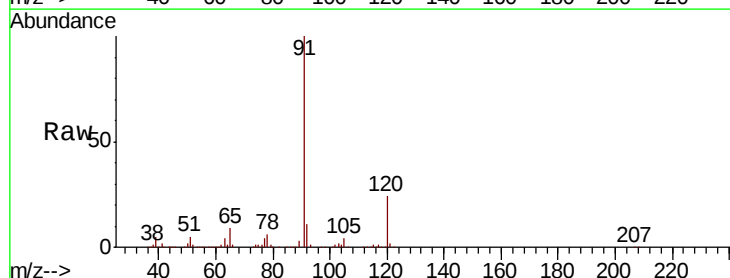
Acq: 04 Oct 2019 11:47

Tgt Ion: 91 Resp: 678244

Ion Ratio Lower Upper

91 100

120 23.8 12.0 36.0

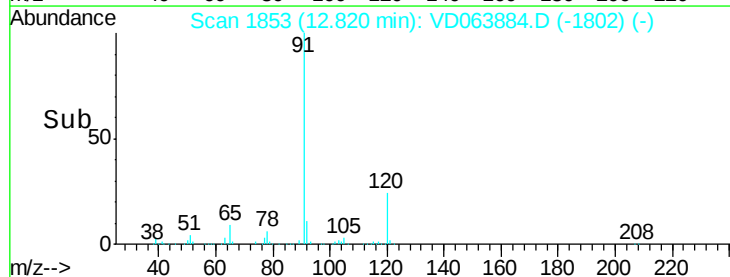


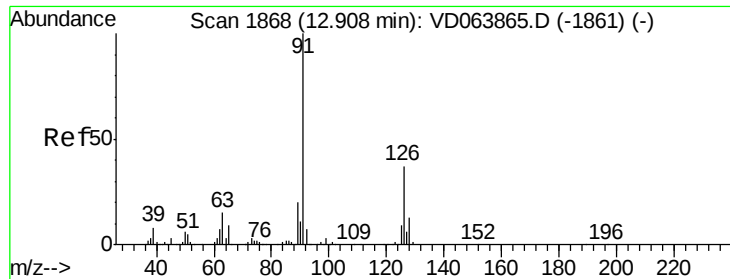
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.82

Time-->





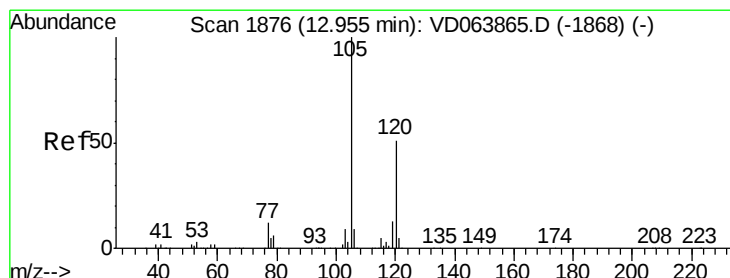
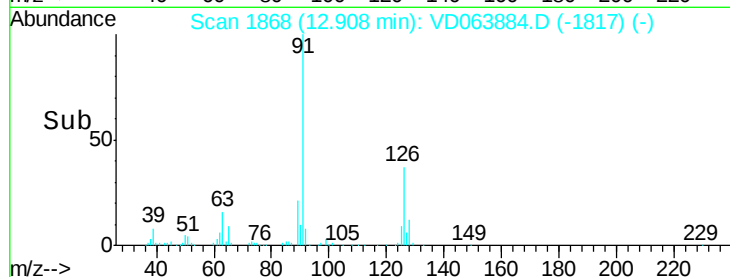
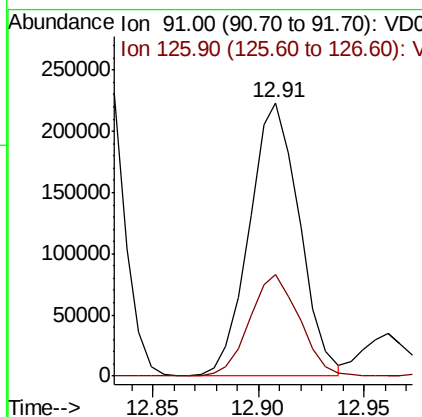
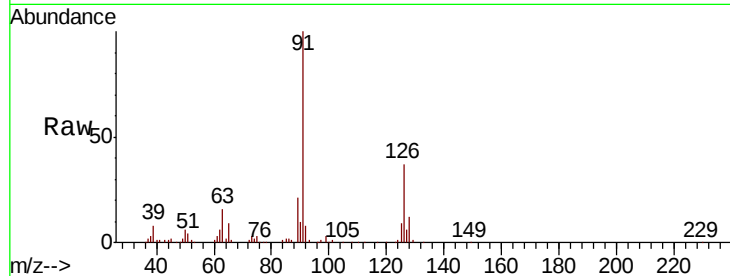
#79
2-Chlorotoluene
Concen: 48.413 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 367664
Ion Ratio Lower Upper
91 100
126 37.1 18.4 55.2

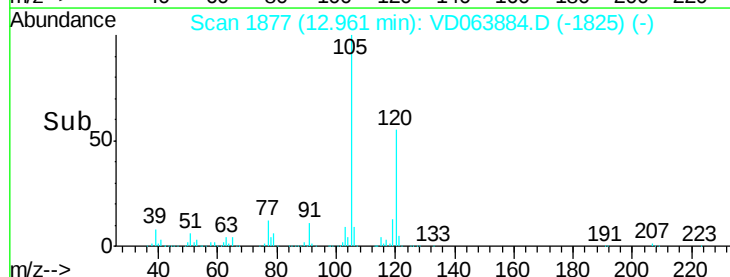
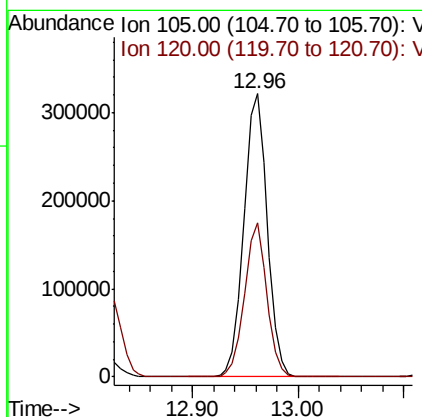
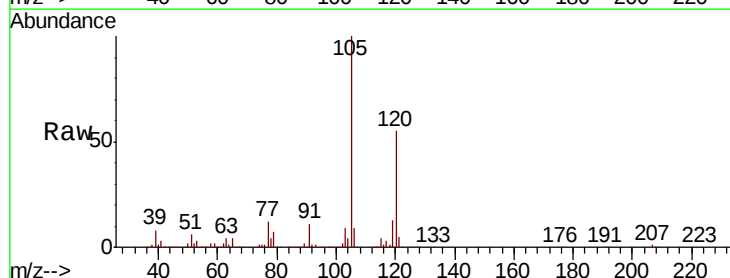
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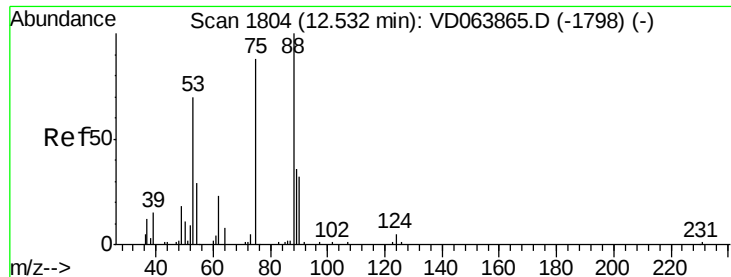
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 50.217 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion: 105 Resp: 491578
Ion Ratio Lower Upper
105 100
120 52.1 25.9 77.8





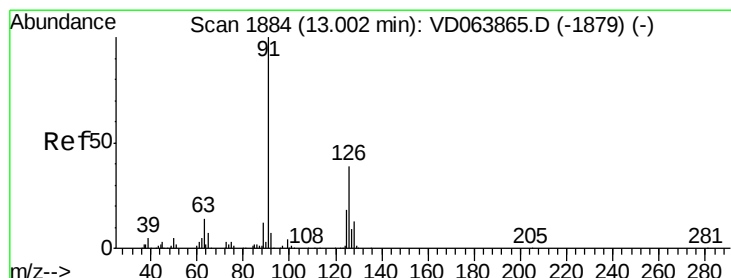
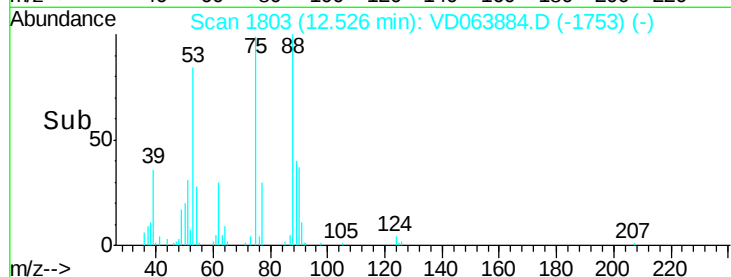
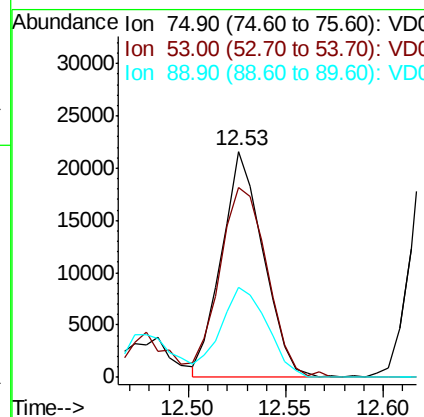
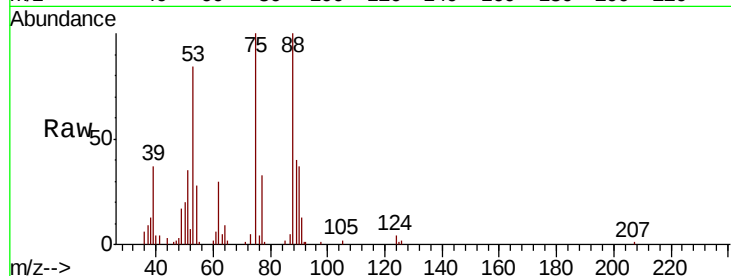
#81
trans-1,4-Dichloro-2-butene
Concen: 48.606 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.1	75.0	112.6
89	44.6	38.2	57.4

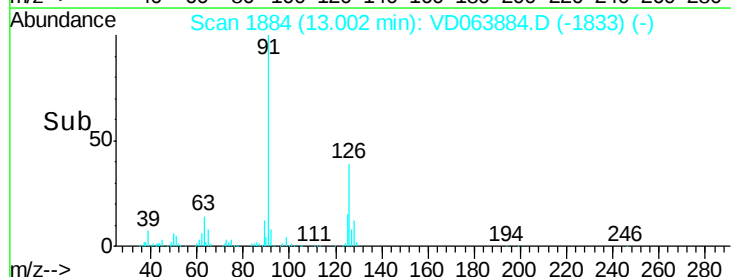
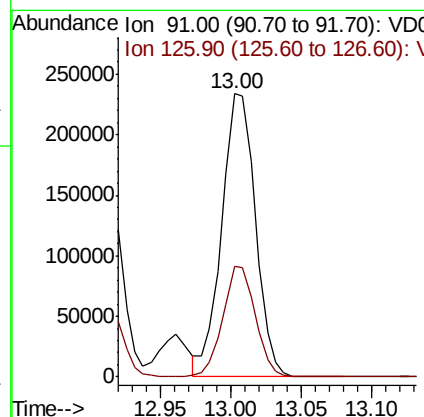
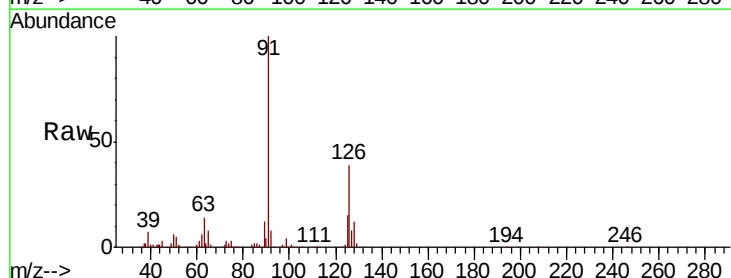
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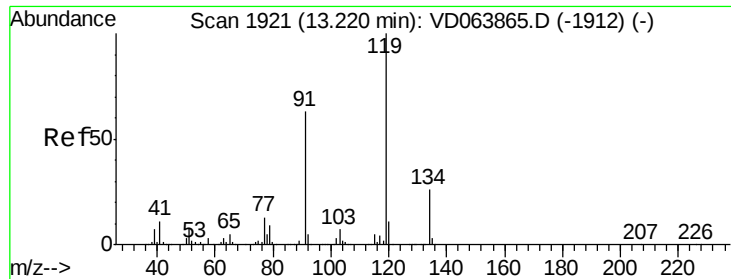
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#82
4-Chlorotoluene
Concen: 48.310 ug/l
RT: 13.00 min Scan# 1884
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.6	18.6	55.8





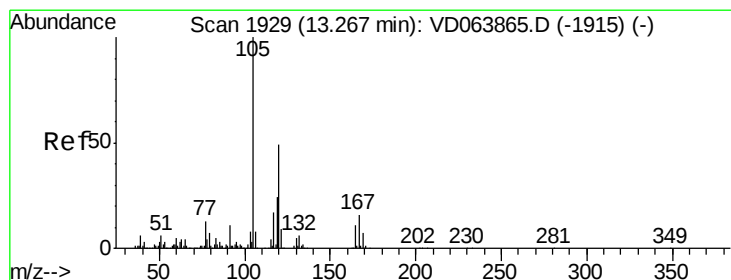
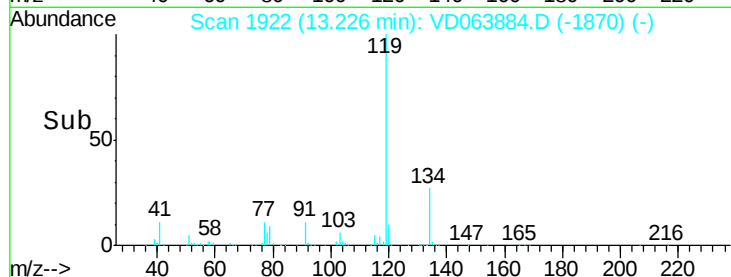
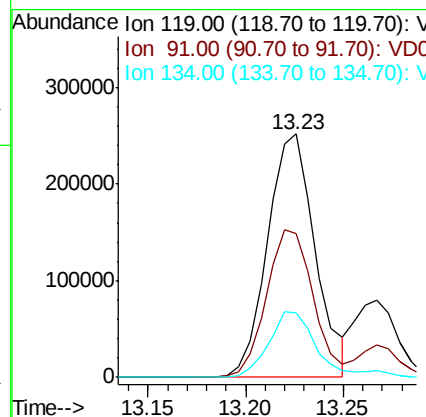
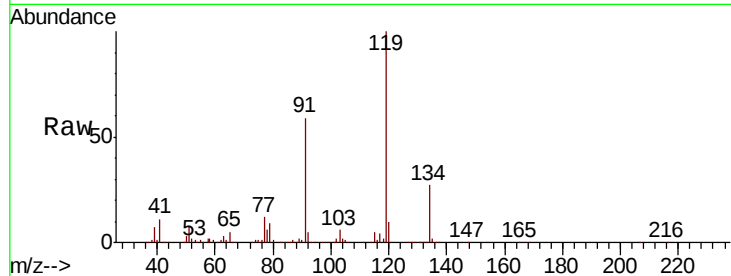
#83
tert-Butylbenzene
Concen: 48.849 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	59.6	30.0	90.0
134	27.9	13.0	38.9

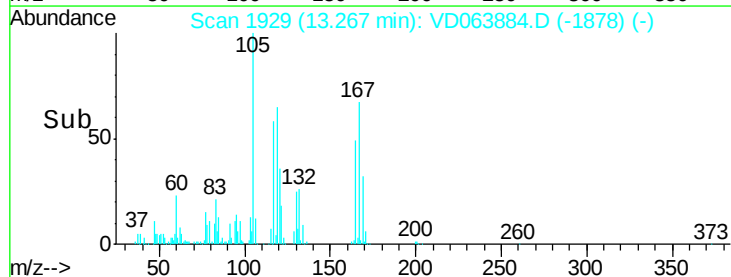
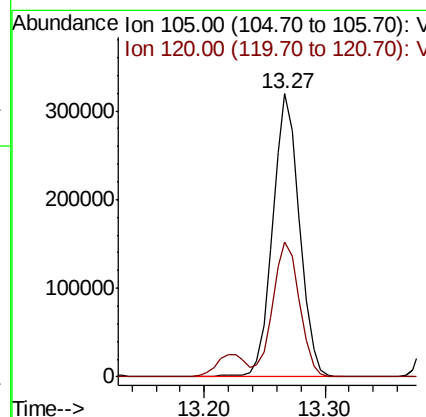
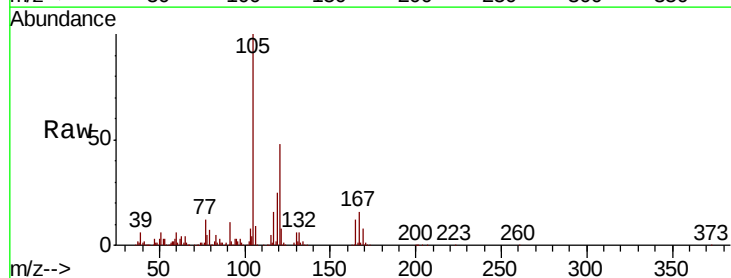
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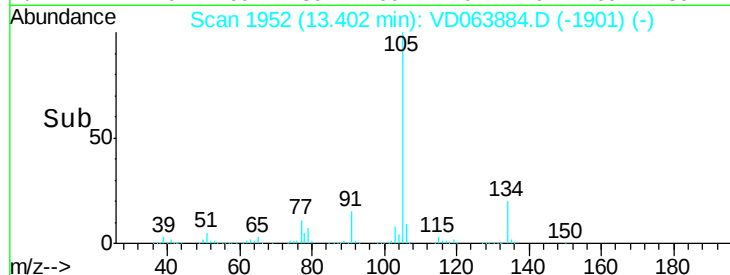
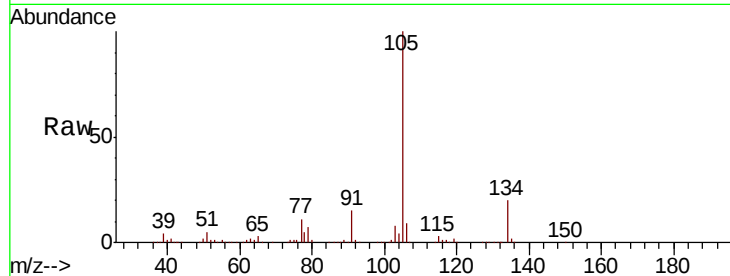
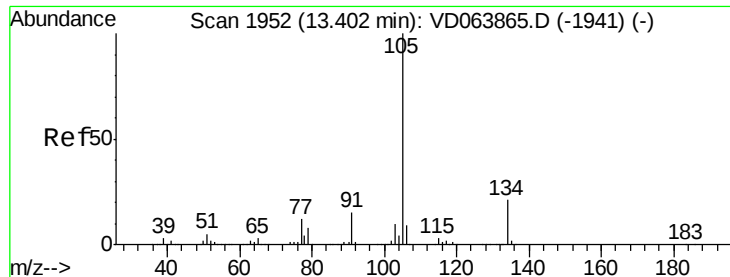
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#84
1,2,4-Trimethylbenzene
Concen: 48.778 ug/l
RT: 13.27 min Scan# 1929
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.0	23.8	71.5





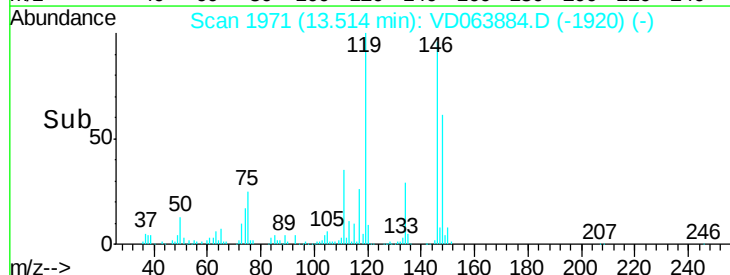
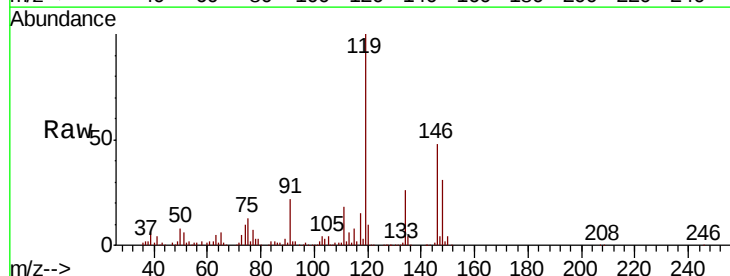
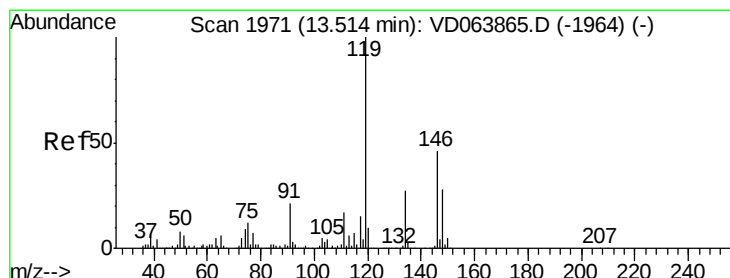
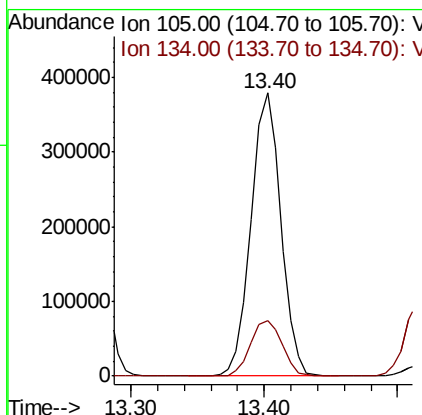
#85
 sec-Butylbenzene
 Concen: 49.512 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tot Ion	Ratio	Resp	Lower	Upper
105	100	582526		
134	20.9		10.6	31.8

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

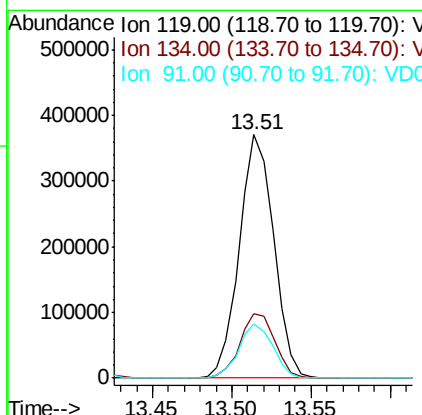
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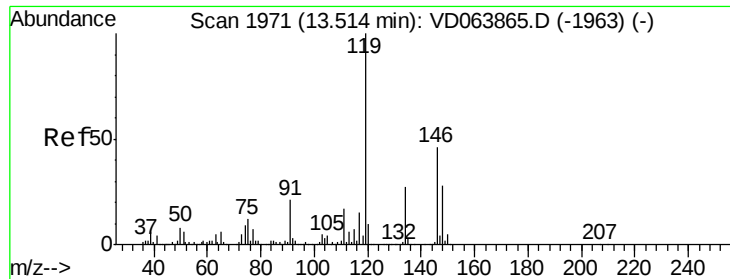
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#86
 p-Isopropyltoluene
 Concen: 50.239 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	559324		
134	27.1		13.9	41.6
91	22.2		11.2	33.5





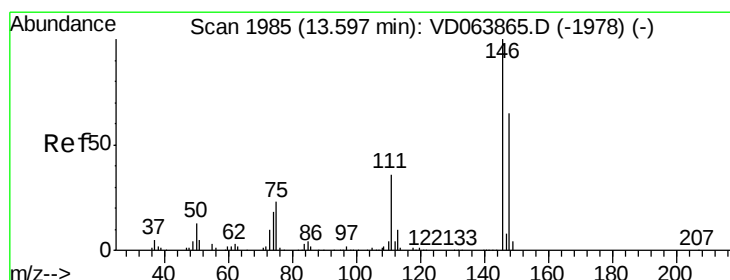
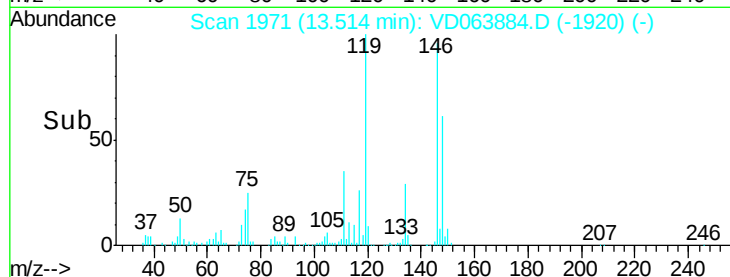
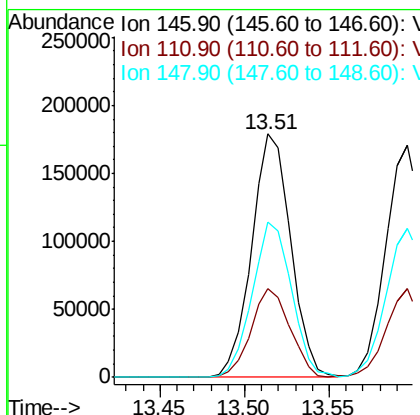
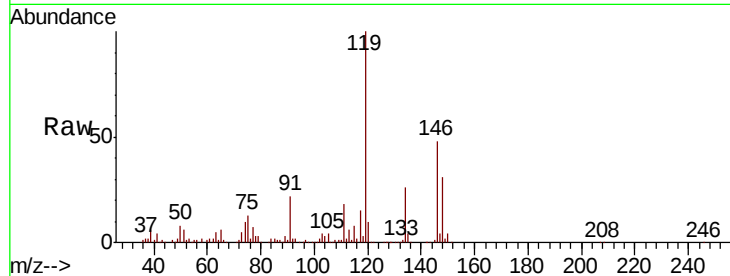
#87
 1,3-Dichlorobenzene
 Concen: 49.870 ug/l
 RT: 13.51 min Scan# 1971
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	288059		
111	36.2	18.3	54.9	
148	64.0	31.8	95.4	

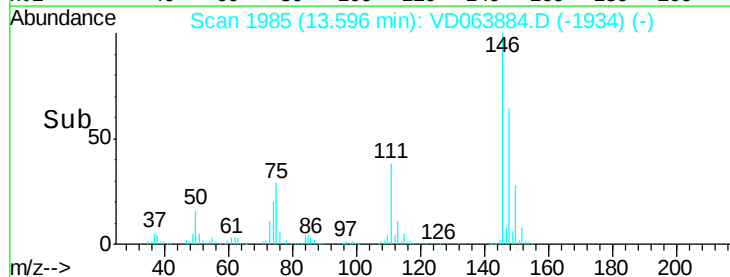
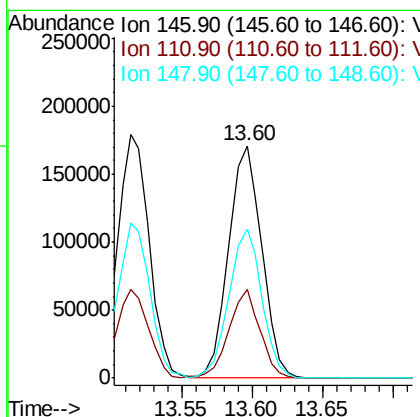
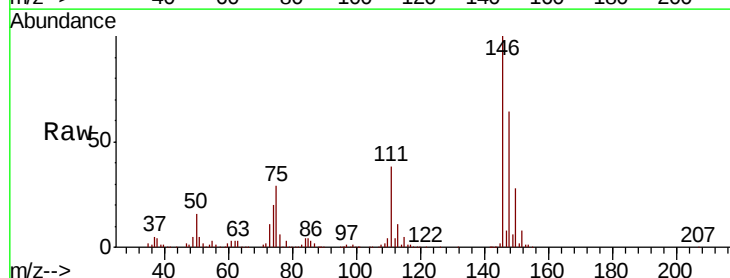
Manual Integrations
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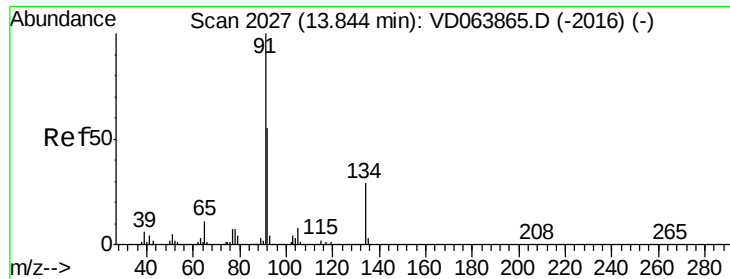
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#88
 1,4-Dichlorobenzene
 Concen: 49.067 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	279606		
111	35.8	18.6	56.0	
148	63.9	32.6	98.0	





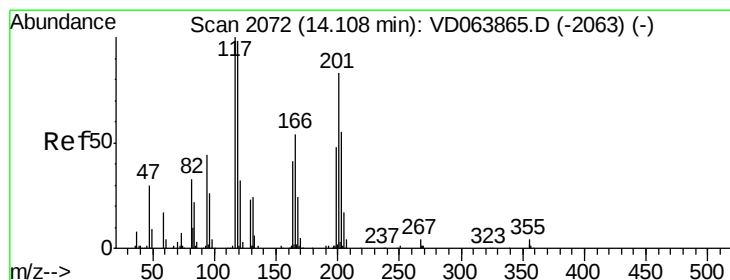
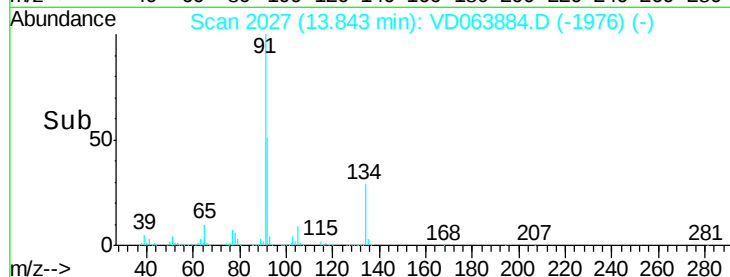
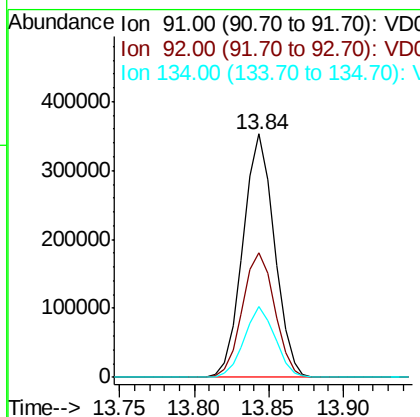
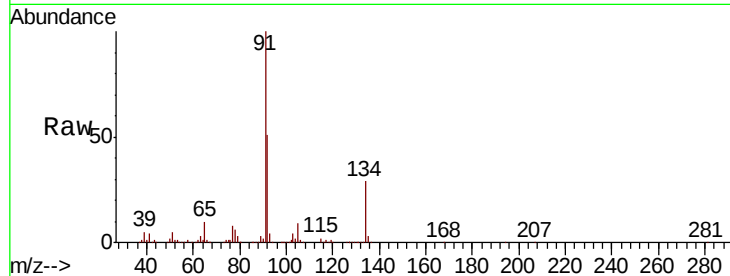
#89
n-Butylbenzene
Concen: 49.862 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.8	80.3
134	28.4	14.4	43.0

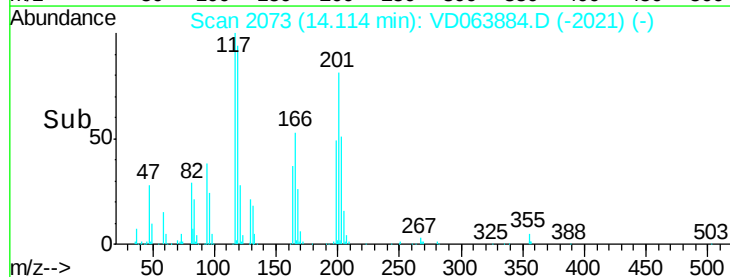
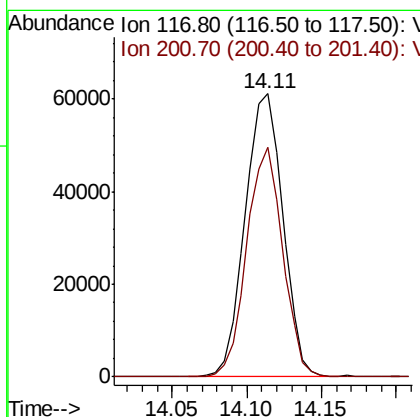
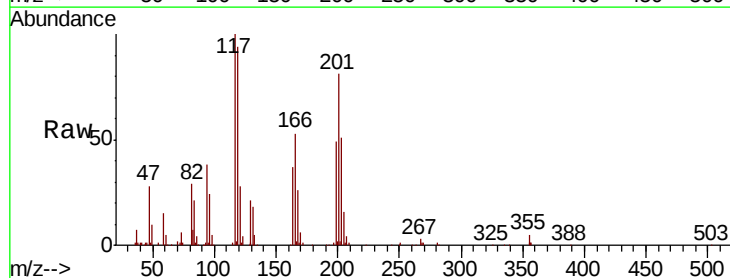
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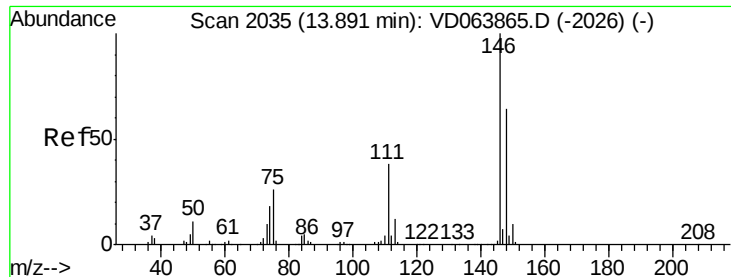
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#90
Hexachloroethane
Concen: 53.537 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.8	40.6	121.7





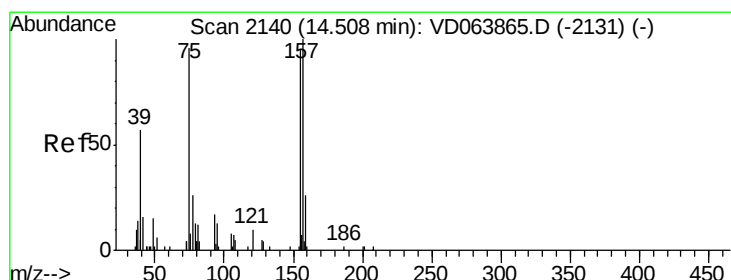
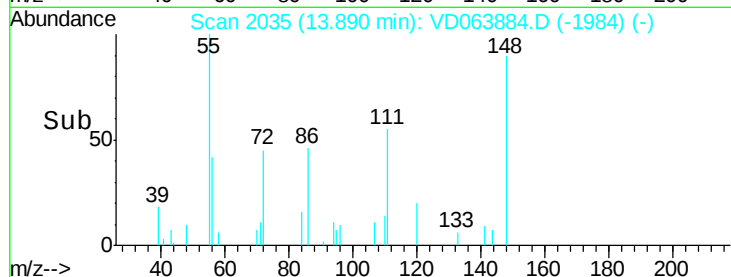
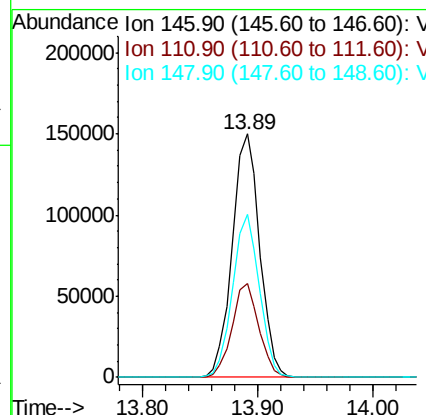
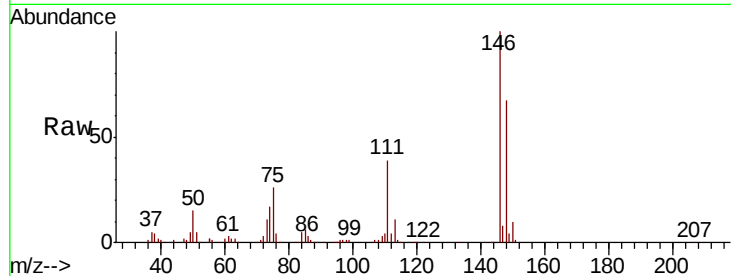
#91
 1,2-Dichlorobenzene
 Concen: 49.623 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.6
148	65.1	31.6	95.0

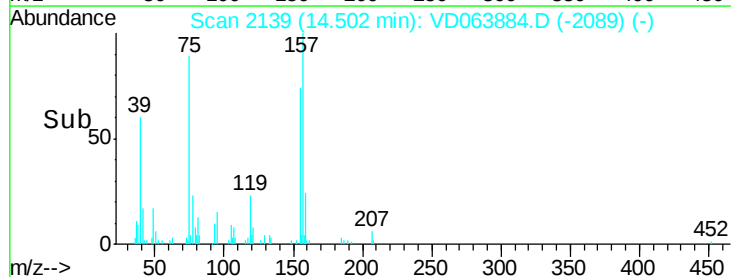
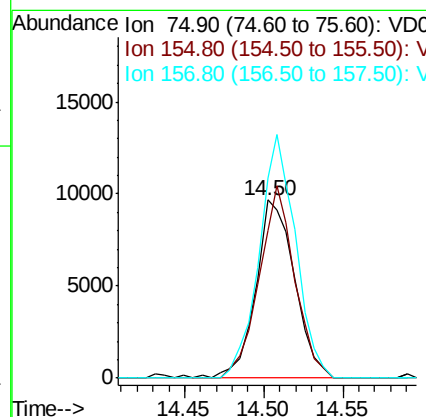
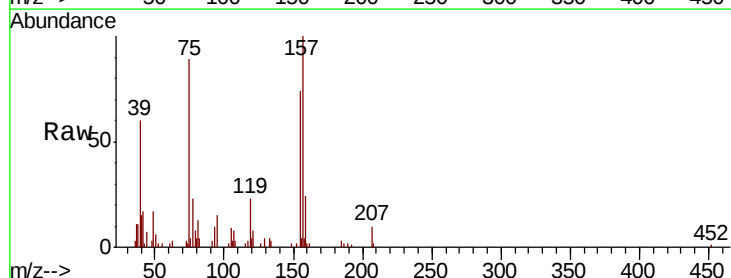
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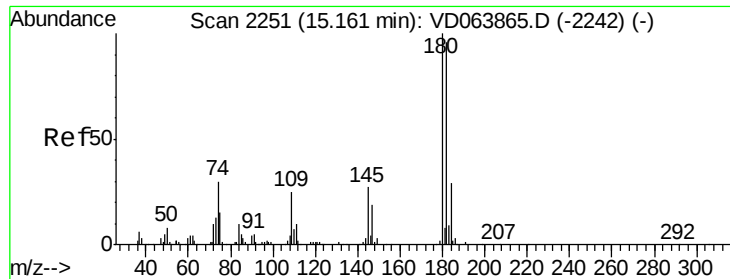
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.976 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.6	43.9	131.6
157	128.1	56.0	167.9





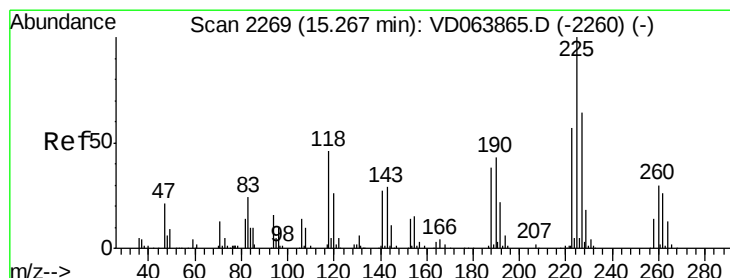
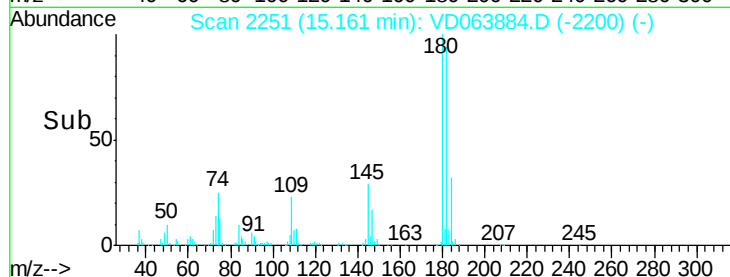
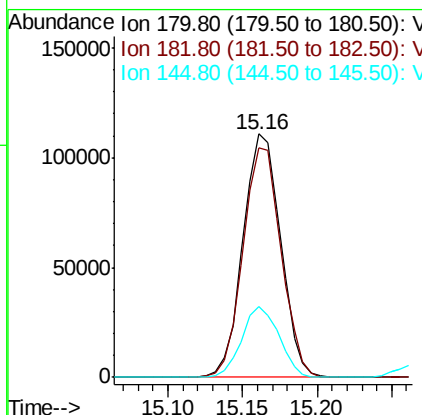
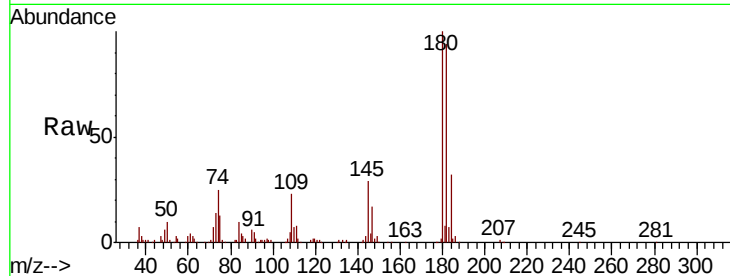
#93
 1,2,4-Trichlorobenzene
 Concen: 50.263 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	193058		
182	95.6	47.4	142.3	
145	29.1	13.9	41.7	

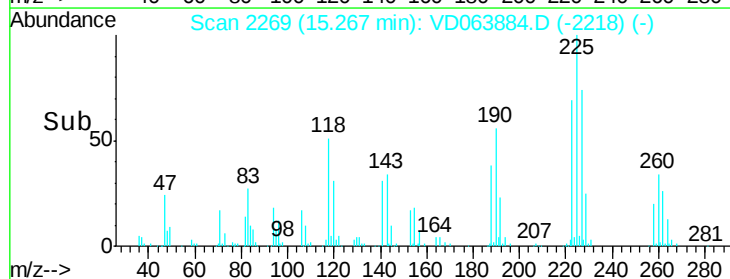
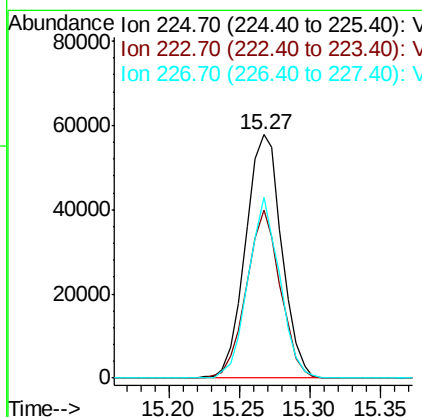
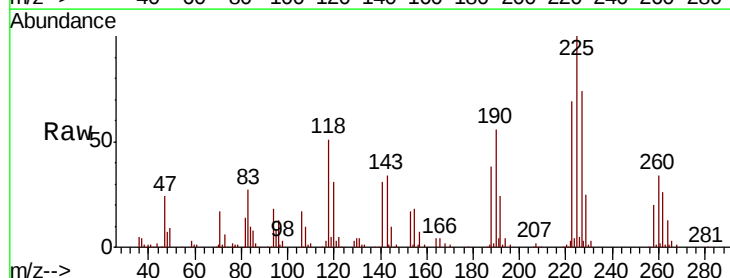
Manual Integrations
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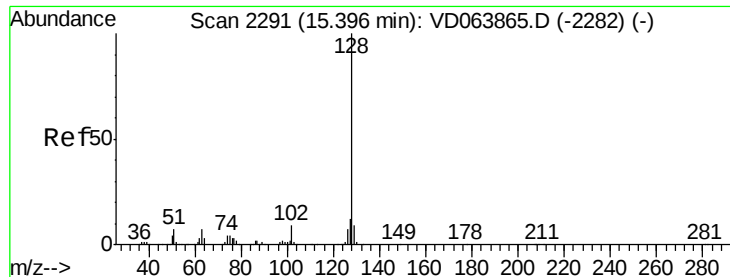
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#94
 Hexachlorobutadiene
 Concen: 48.971 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063884.D
 Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	103796		
223	64.5	29.5	88.6	
227	65.4	30.8	92.4	





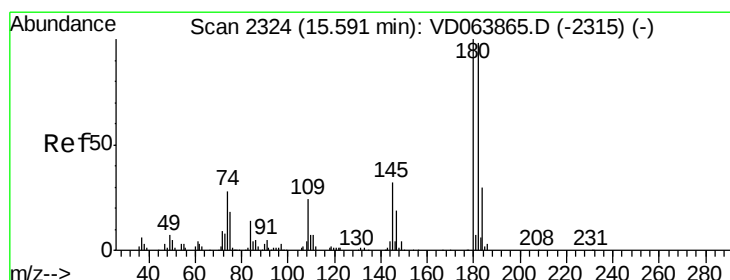
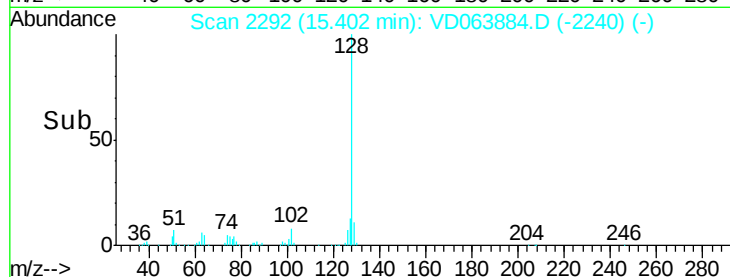
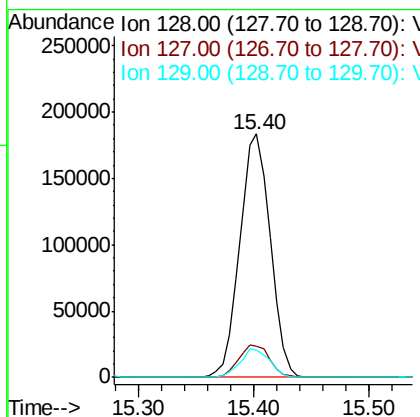
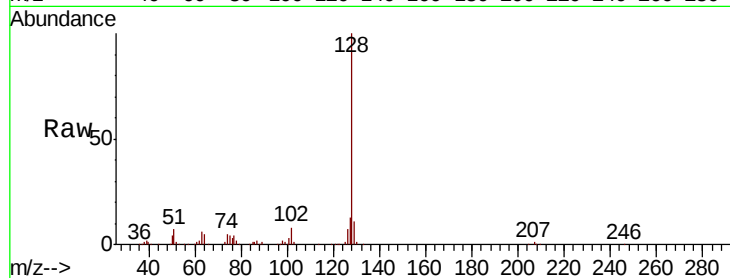
#95
Naphthalene
Concen: 52.207 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.6	16.0
129	11.4	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 50.624 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063884.D
Acq: 04 Oct 2019 11:47

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.0	141.0
145	29.8	15.3	45.9

