

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063930.D
 Acq On : 11 Oct 2019 11:56
 Operator : VA/SY
 Sample : VD1011SBSD01
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 4:13:49 PM

Quant Time: Oct 12 01:50:19 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	177379	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	278858	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	271941	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	143382	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	77746	45.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.04%	
35) Dibromofluoromethane	7.92	113	79246	46.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.00%	
50) Toluene-d8	10.34	98	337058	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.64	95	105542	43.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.82%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	26341	20.940	ug/l 97
3) Chloromethane	2.21	50	75557	19.570	ug/l 99
4) Vinyl Chloride	2.35	62	88738	21.826	ug/l 100
5) Bromomethane	2.76	94	57129	21.857	ug/l 98
6) Chloroethane	2.92	64	56277	20.931	ug/l 92
7) Trichlorofluoromethane	3.27	101	123690	23.010	ug/l 94
8) Diethyl Ether	3.71	74	16062	18.616	ug/l 95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	32889	22.104	ug/l 95
10) Methyl Iodide	4.29	142	40054	19.536	ug/l 98
11) Tert butyl alcohol	5.25	59	9084	69.941	ug/l # 93
12) 1,1-Dichloroethene	4.06	96	30618	20.596	ug/l 91
13) Acrolein	3.91	56	12759	82.723	ug/l 97
14) Allyl chloride	4.71	41	48905	19.787	ug/l 98
15) Acrylonitrile	5.44	53	40130	105.497	ug/l 94
16) Acetone	4.17	43	34617	76.993	ug/l 98
17) Carbon Disulfide	4.40	76	102237	18.919	ug/l 99
18) Methyl Acetate	4.72	43	19770	22.482	ug/l 97
19) Methyl tert-butyl Ether	5.48	73	72918	18.942	ug/l 96
20) Methylene Chloride	4.96	84	40391	18.340	ug/l # 77
21) trans-1,2-Dichloroethene	5.47	96	36556	19.753	ug/l 94
22) Diisopropyl ether	6.37	45	99414	19.695	ug/l 94
23) Vinyl Acetate	6.31	43	290266	96.665	ug/l 100
24) 1,1-Dichloroethane	6.27	63	61871	19.900	ug/l 96
25) 2-Butanone	7.22	43	49163	92.266	ug/l 93
26) 2,2-Dichloropropane	7.21	77	55247	19.643	ug/l 98
27) cis-1,2-Dichloroethene	7.22	96	41011	19.579	ug/l 99
28) Bromochloromethane	7.55	49	19090	17.412	ug/l 94
29) Tetrahydrofuran	7.57	42	29323	94.284	ug/l 98
30) Chloroform	7.72	83	66535	19.703	ug/l 95
31) Cyclohexane	7.99	56	60646	21.301	ug/l 86
32) 1,1,1-Trichloroethane	7.90	97	59721	20.617	ug/l 98
36) 1,1-Dichloropropene	8.11	75	54700	21.454	ug/l 100
37) Ethyl Acetate	7.30	43	23539	20.685	ug/l # 73
38) Carbon Tetrachloride	8.10	117	55026	21.357	ug/l 88

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Manual Integrations
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Quant Time: Oct 12 01:50:19 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)
39) Methylcyclohexane	9.36	83	66084	21.080	ug/l	92
40) Benzene	8.36	78	154056	21.084	ug/l	96
41) Methacrylonitrile	7.54	41	12625m	21.357	ug/l	
42) 1,2-Dichloroethane	8.43	62	42142	19.939	ug/l	97
43) Isopropyl Acetate	8.46	43	40952	19.152	ug/l	97
44) Trichloroethene	9.11	130	42487	20.165	ug/l	83
45) 1,2-Dichloropropane	9.38	63	35742	19.985	ug/l	90
46) Dibromomethane	9.48	93	19686	19.328	ug/l	93
47) Bromodichloromethane	9.66	83	50301	19.182	ug/l	99
48) Methyl methacrylate	9.46	41	18093	17.660	ug/l	95
49) 1,4-Dioxane	9.47	88	5845	420.423	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	105704	95.320	ug/l	96
52) Toluene	10.41	92	104308	20.796	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	49160	19.212	ug/l #	88
54) cis-1,3-Dichloropropene	10.09	75	59422	20.174	ug/l	92
55) 1,1,2-Trichloroethane	10.81	97	29538	20.540	ug/l	87
56) Ethyl methacrylate	10.66	69	33043	18.144	ug/l #	90
57) 1,3-Dichloropropane	10.94	76	50194	20.400	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	69685	89.020	ug/l	100
59) 2-Hexanone	10.99	43	77987	97.219	ug/l	99
60) Dibromochloromethane	11.14	129	35551	18.988	ug/l	99
61) 1,2-Dibromoethane	11.25	107	28668	20.563	ug/l	93
64) Tetrachloroethene	10.88	164	40144	21.624	ug/l	92
65) Chlorobenzene	11.67	112	114231	20.916	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.74	131	40172	19.963	ug/l	96
67) Ethyl Benzene	11.74	91	207991	21.121	ug/l	96
68) m/p-Xylenes	11.86	106	159741	42.026	ug/l	99
69) o-Xylene	12.18	106	74720	20.529	ug/l	95
70) Styrene	12.20	104	125302	20.337	ug/l	99
71) Bromoform	12.36	173	21029	19.472	ug/l #	93
73) Isopropylbenzene	12.48	105	199103	20.656	ug/l	100
74) N-amyl acetate	12.29	43	39605	19.084	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	34134	20.351	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	22371m	23.295	ug/l	
77) Bromobenzene	12.76	156	50008	20.824	ug/l	95
78) n-propylbenzene	12.83	91	239579	21.175	ug/l	99
79) 2-Chlorotoluene	12.91	91	128361	20.576	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	167890	20.878	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	9625	17.736	ug/l	87
82) 4-Chlorotoluene	13.00	91	135712	20.507	ug/l	99
83) tert-Butylbenzene	13.23	119	144985	20.259	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	169774	20.479	ug/l	99
85) sec-Butylbenzene	13.40	105	211680	21.902	ug/l	98
86) p-Isopropyltoluene	13.52	119	188203	20.579	ug/l	97
87) 1,3-Dichlorobenzene	13.52	146	95452	20.116	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	95711	20.446	ug/l	99
89) n-Butylbenzene	13.85	91	185446	21.784	ug/l	98
90) Hexachloroethane	14.11	117	34532	20.994	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	85653	20.946	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	5228	18.513	ug/l	81

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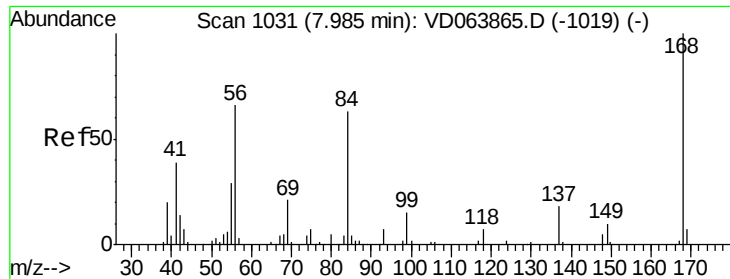
Manual Integrations
APPROVED

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10/15/2019 4:13:49 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	61066	19.354	ug/l	98
94) Hexachlorobutadiene	15.27	225	35119	20.170	ug/l	93
95) Naphthalene	15.40	128	105257	19.848	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	50489	18.546	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBSD01

Tot Ion:168 Resp: 177379

Ion Ratio Lower Upper

168 100

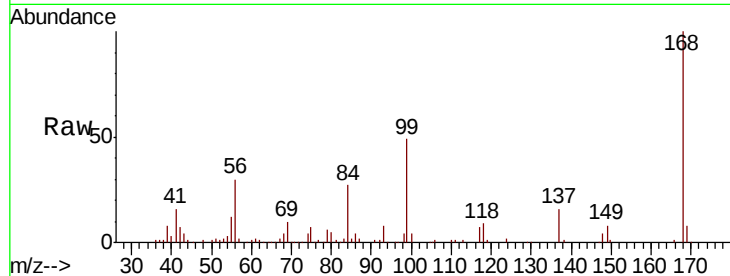
99 48.5 43.0 64.4

Manual Integrations

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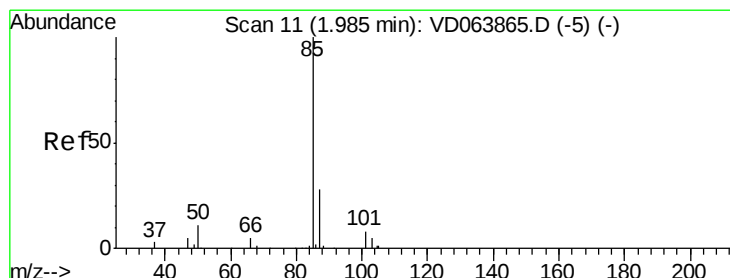
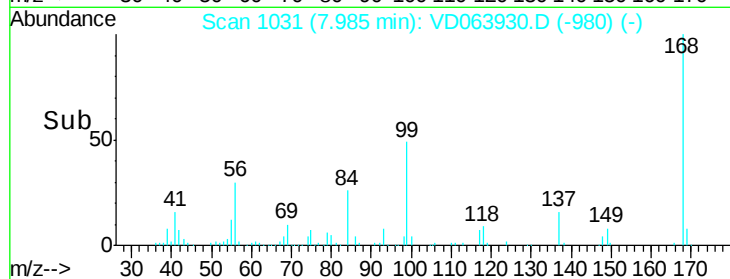
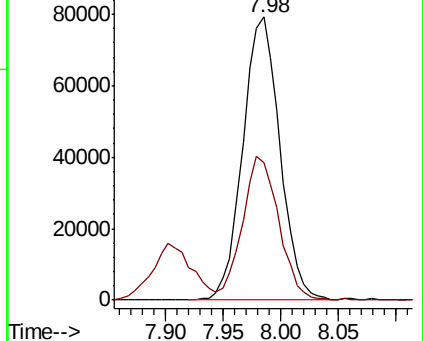
MMDadoda

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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: 20.940 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD063930.D

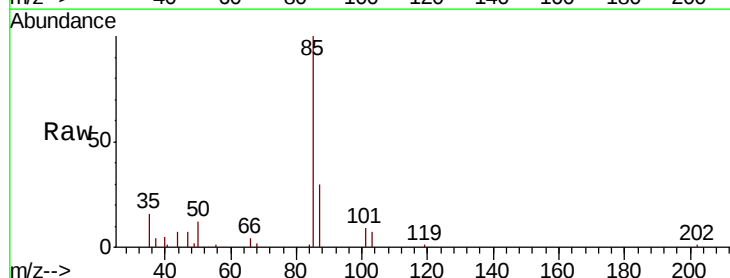
Acq: 11 Oct 2019 11:56

Tgt Ion: 85 Resp: 26341

Ion Ratio Lower Upper

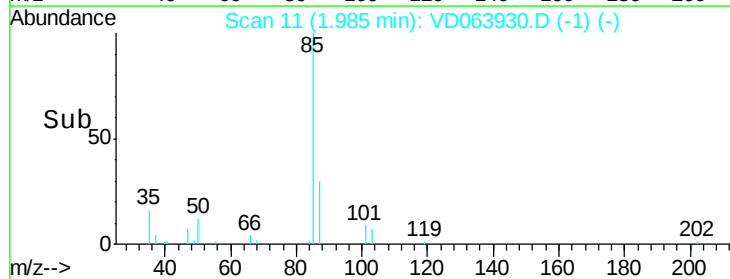
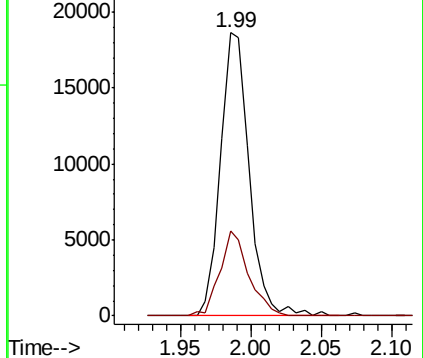
85 100

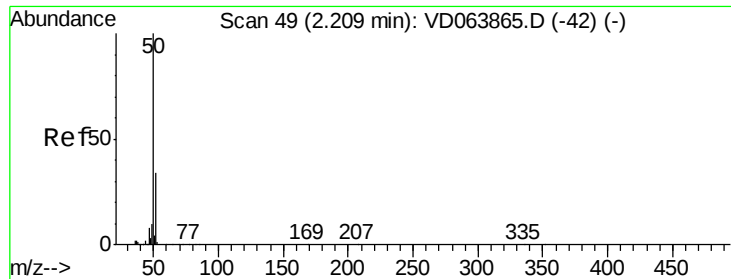
87 29.8 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 19.570 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 50 Resp: 75557

Ion Ratio Lower Upper

50 100

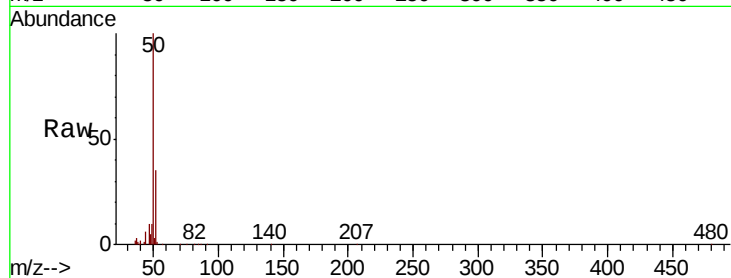
52 35.1 27.5 41.3

Manual Integrations

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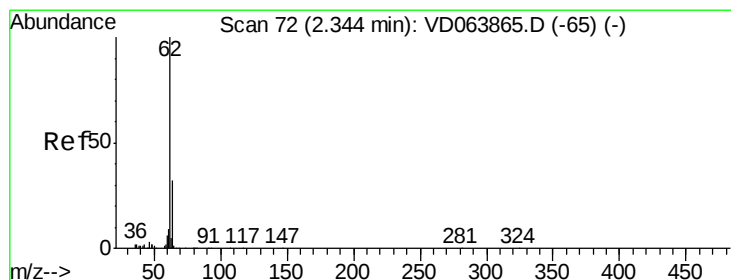
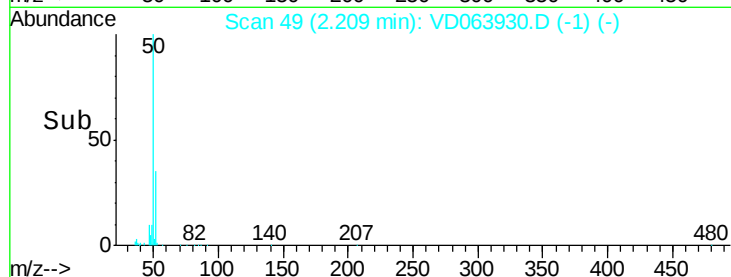
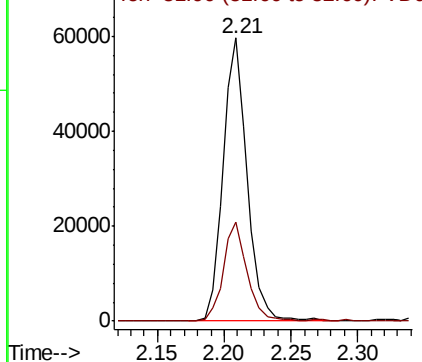
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.826 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063930.D

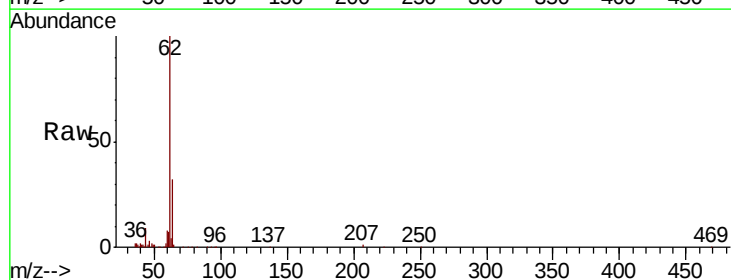
Acq: 11 Oct 2019 11:56

Tgt Ion: 62 Resp: 88738

Ion Ratio Lower Upper

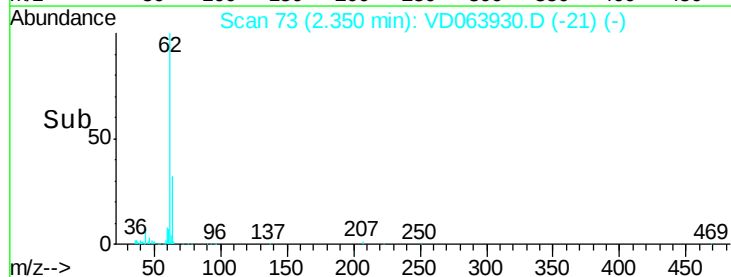
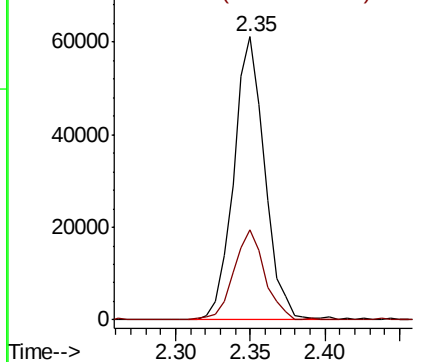
62 100

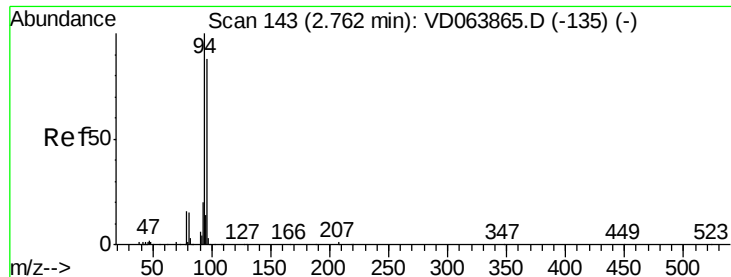
64 31.6 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.857 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBSD01

Tot Ion: 94 Resp: 57129

Ion Ratio Lower Upper

94 100

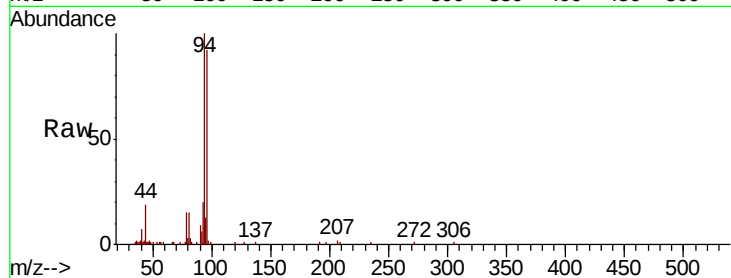
96 90.7 70.8 106.2

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

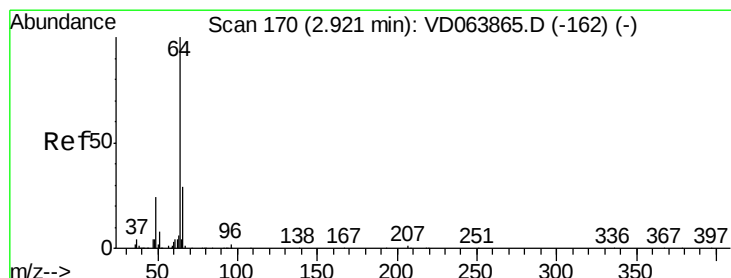
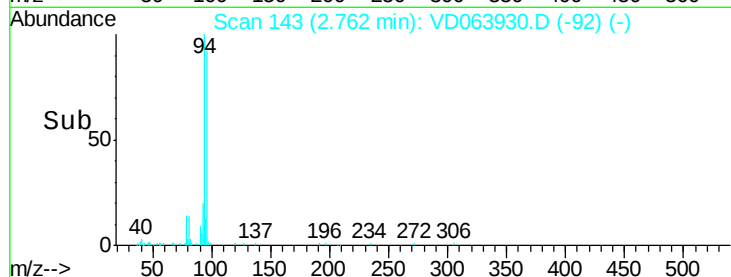
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.931 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD063930.D

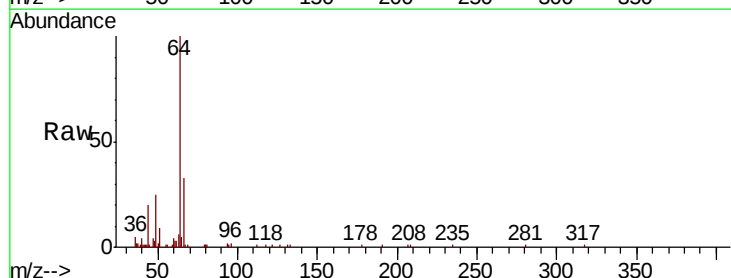
Acq: 11 Oct 2019 11:56

Tgt Ion: 64 Resp: 56277

Ion Ratio Lower Upper

64 100

66 32.9 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

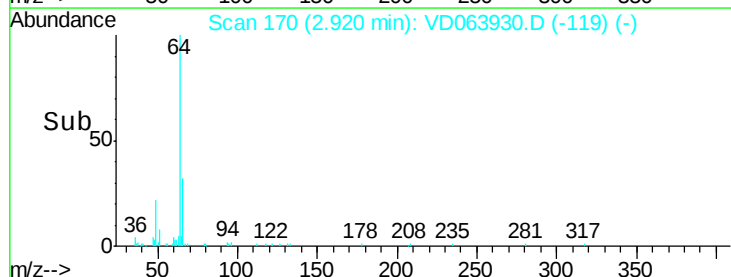
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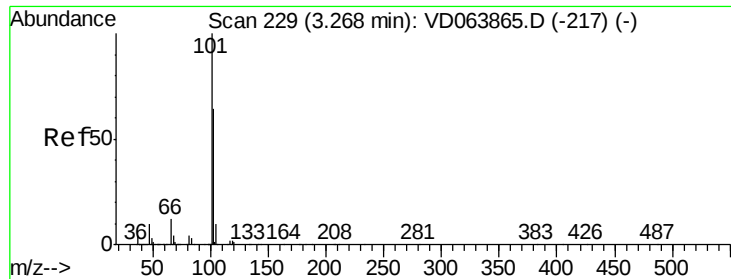
20000

10000

0

Time-->





#7

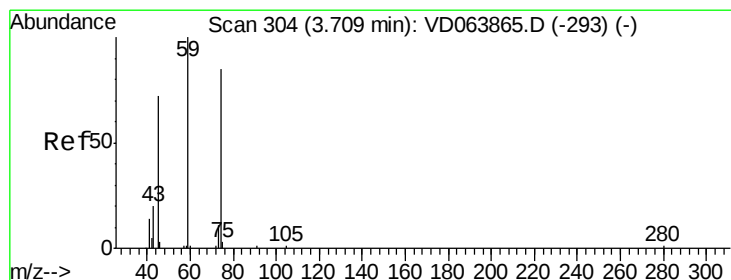
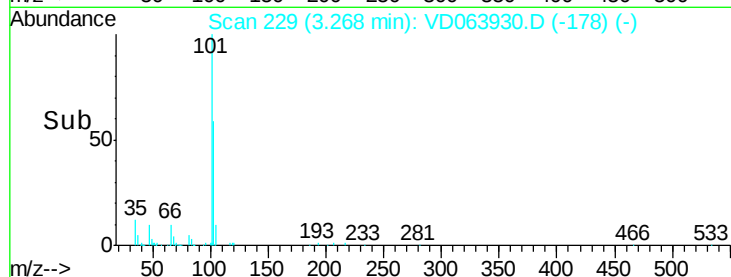
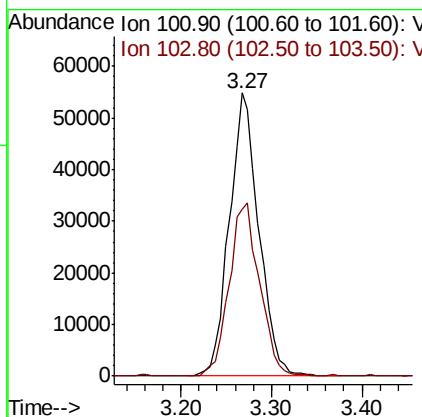
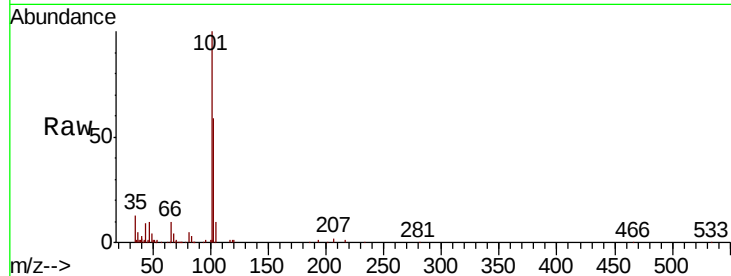
Trichlorofluoromethane
 Concen: 23.010 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
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 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	58.9	51.1	76.7

Manual Integrations
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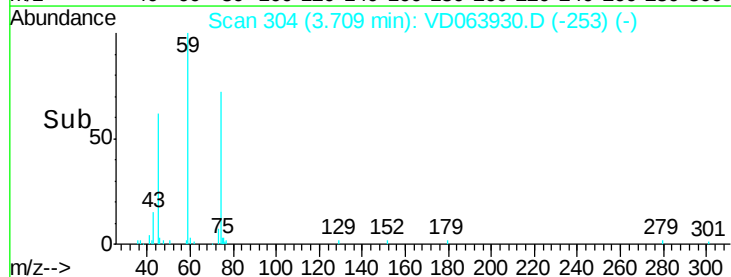
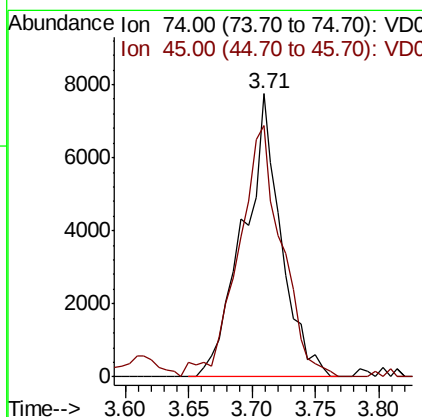
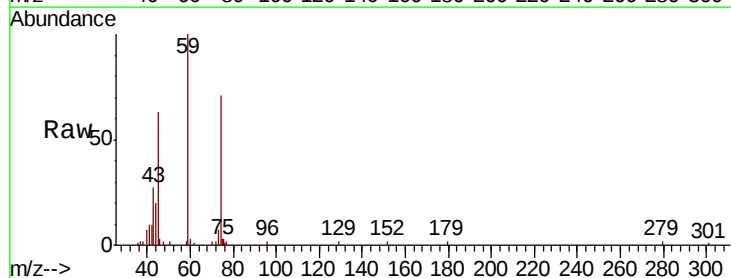
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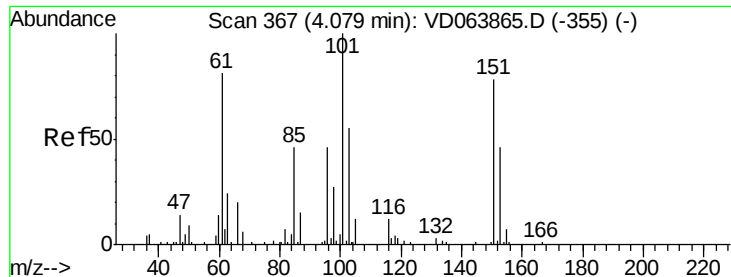


#8

Diethyl Ether
 Concen: 18.616 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.104 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

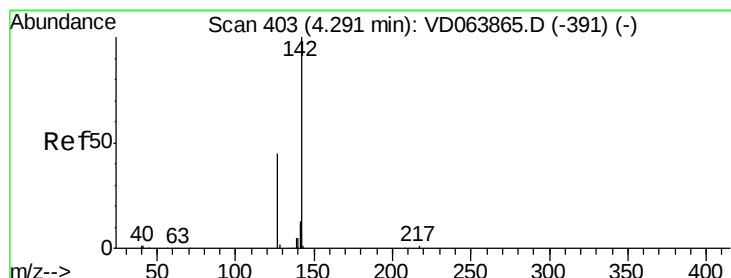
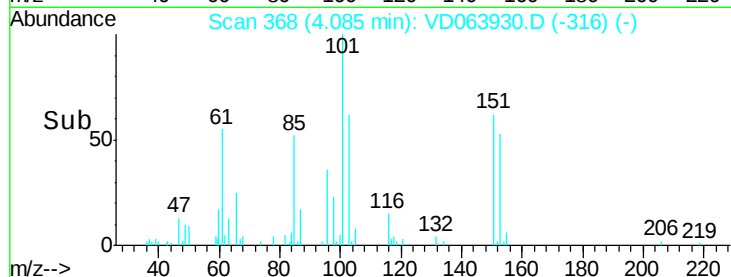
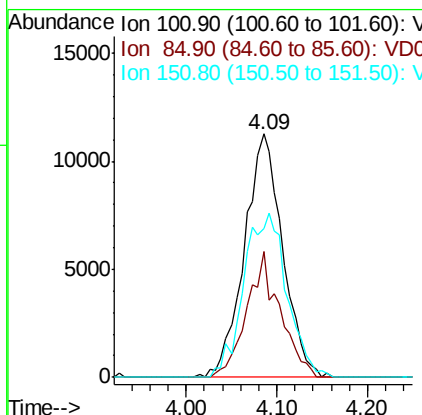
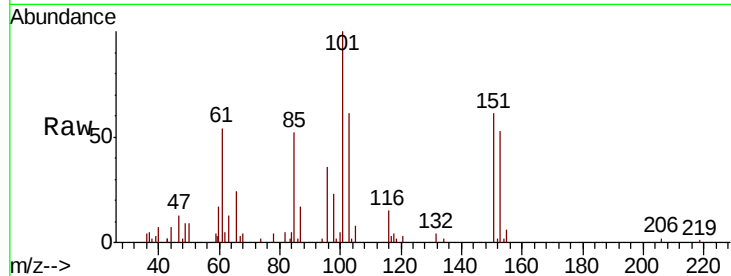
ClientSampleId :

VD1011SBS01

Tot Ion:	101	Resp:	32889
Ion Ratio	Lower	Upper	
101	100		
85	44.8	37.5	56.3
151	76.3	65.5	98.3

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#10

Methyl Iodide

Concen: 19.536 ug/l

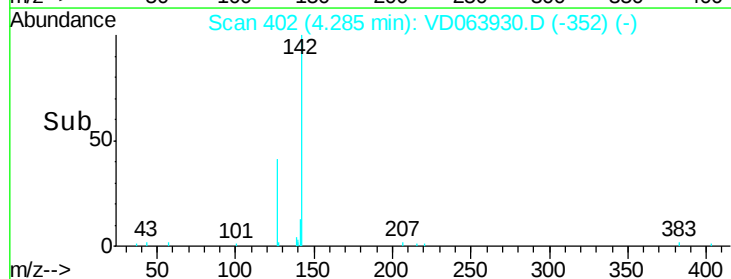
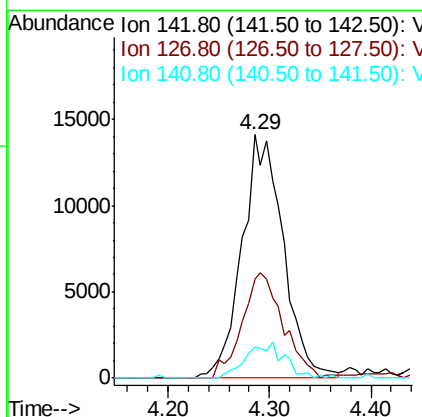
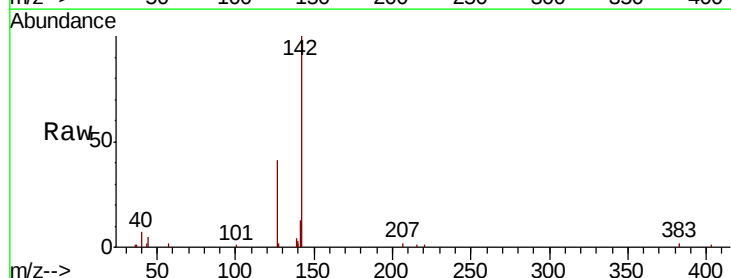
RT: 4.29 min Scan# 402

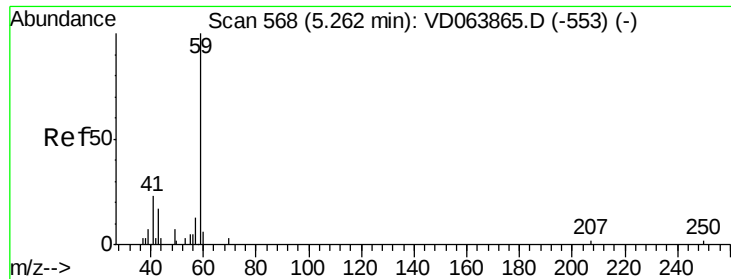
Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion:	142	Resp:	40054
Ion Ratio	Lower	Upper	
142	100		
127	43.1	35.3	52.9
141	13.5	12.2	18.2





#11

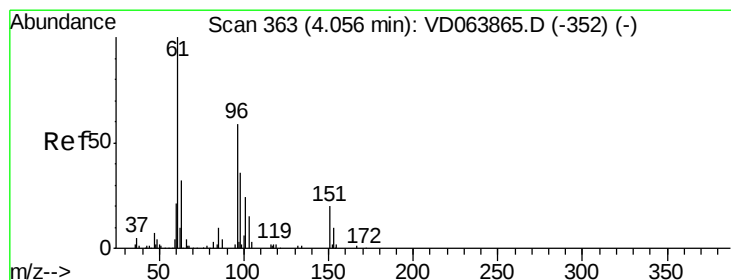
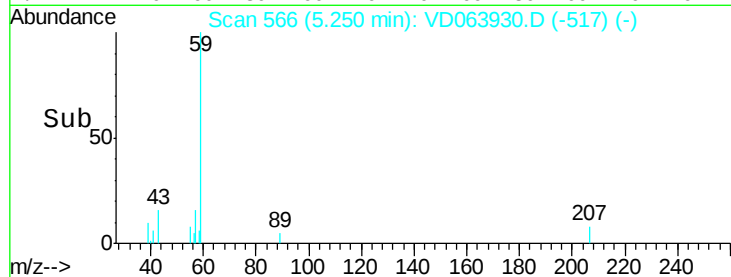
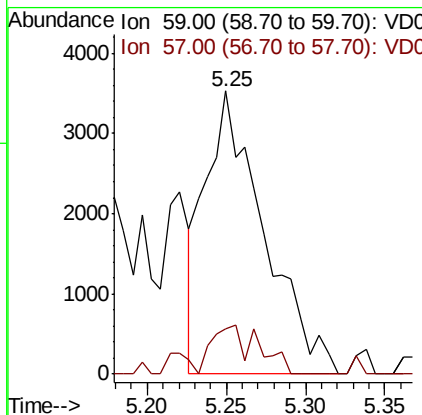
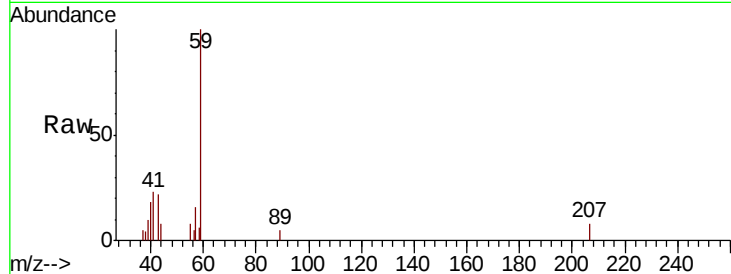
Tert butyl alcohol
Concen: 69.941 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	13.6	8.8	13.2#

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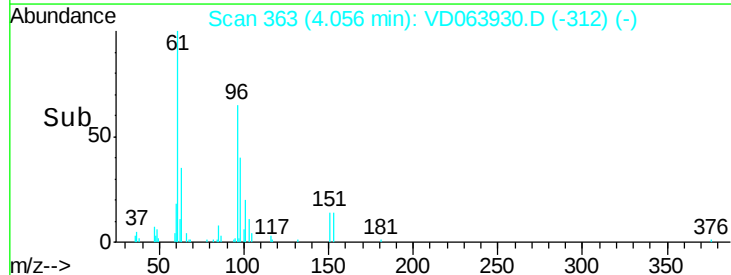
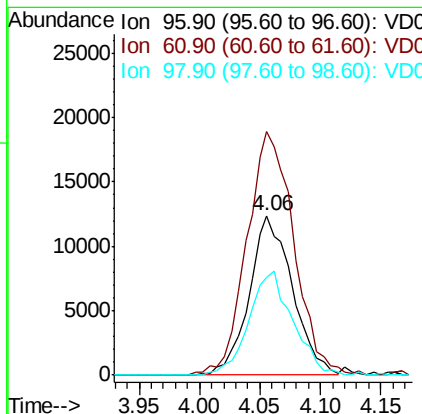
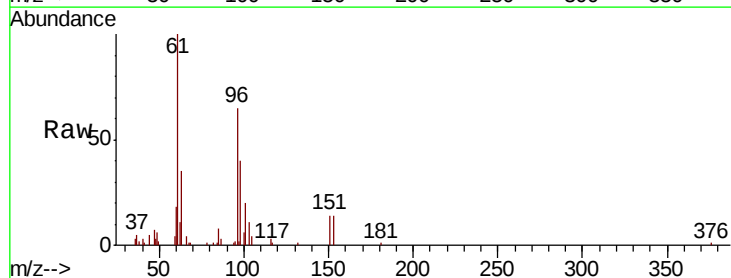
MMDadoda
10/15/2019 4:13:49 PM

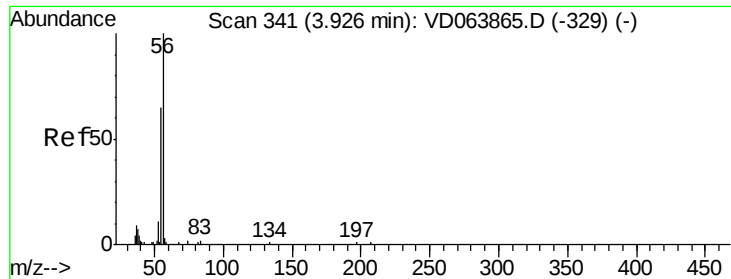


#12

1,1-Dichloroethene
Concen: 20.596 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	152.7	135.6	203.4
98	61.6	49.2	73.8





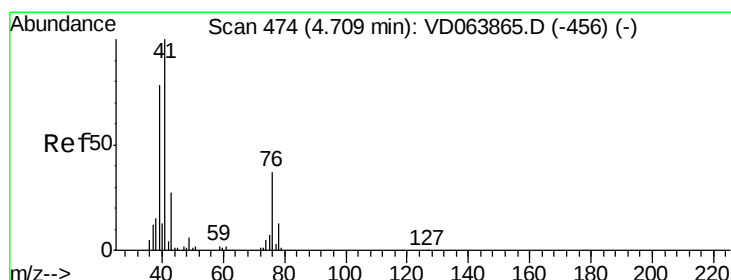
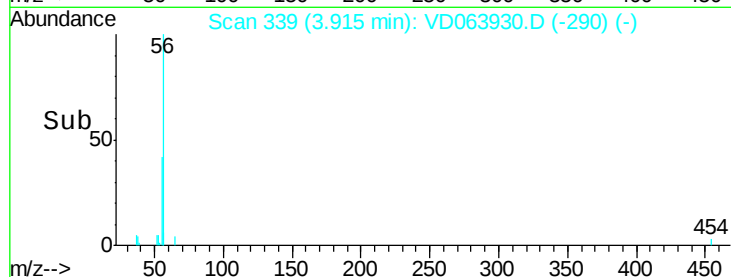
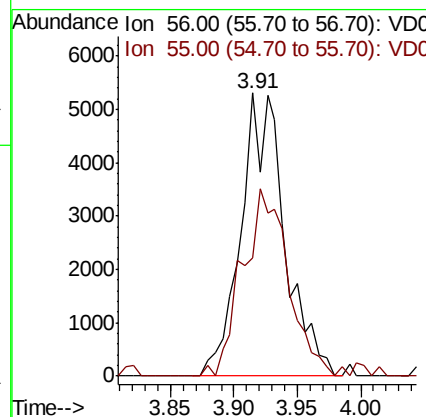
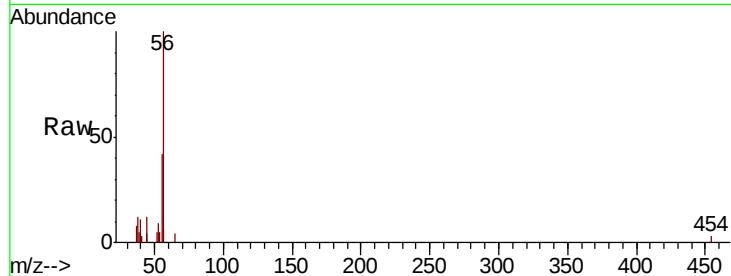
#13
 Acrolein
 Concen: 82.723 ug/l
 RT: 3.91 min Scan# 339
 Delta R.T. -0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBSD01

Tot Ion	56	Resp	12759
Ion Ratio	100	Lower	Upper
55	68.7	53.0	79.6

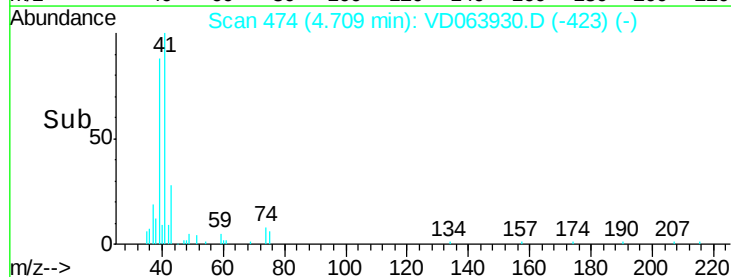
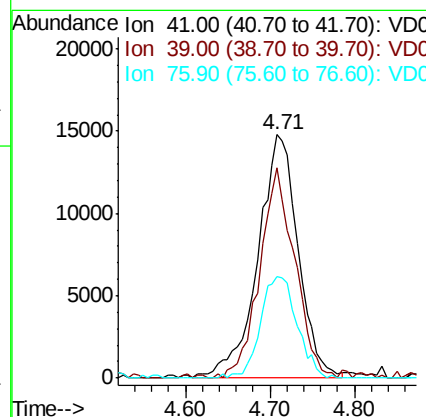
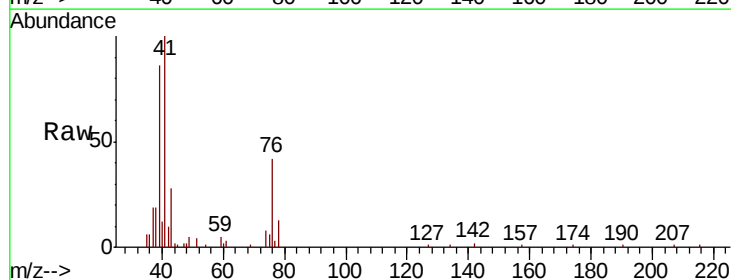
Manual Integrations
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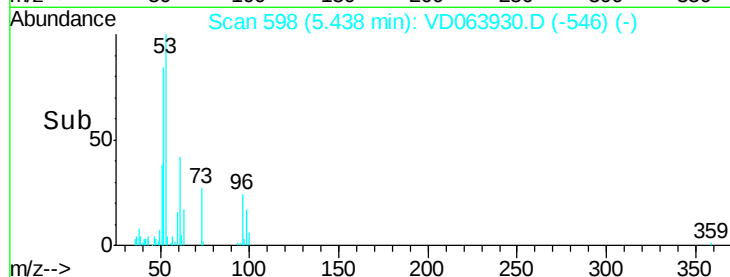
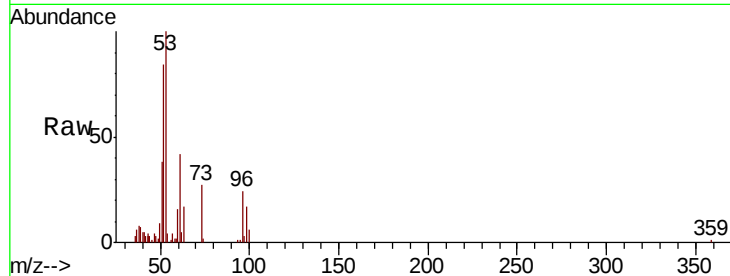
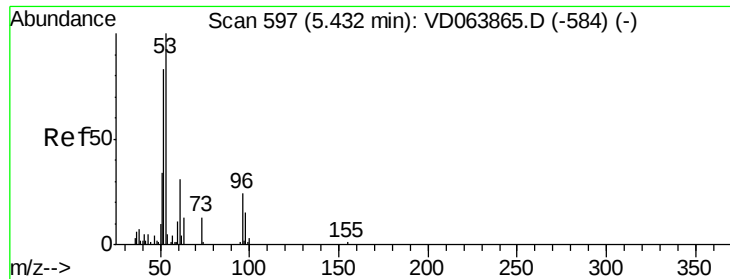
MMDadoda
 10/15/2019 4:13:49 PM



#14
 Allyl chloride
 Concen: 19.787 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	41	Resp	48905
Ion Ratio	100	Lower	Upper
39	75.5	61.8	92.6
76	38.1	31.3	46.9





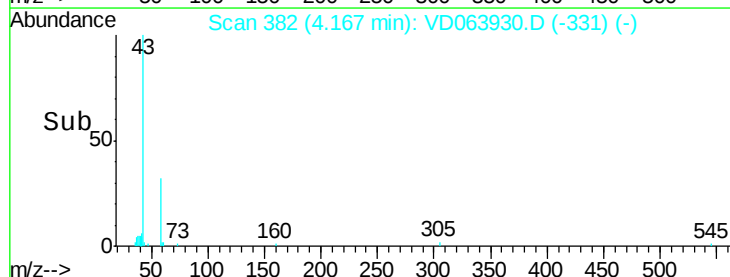
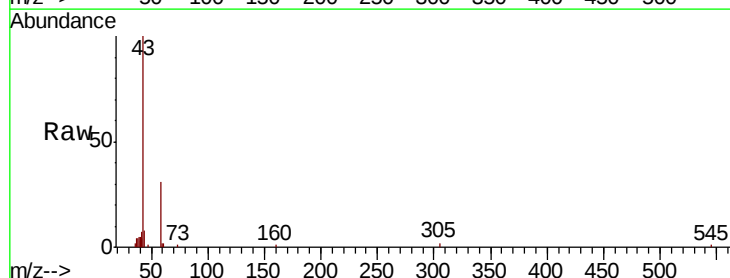
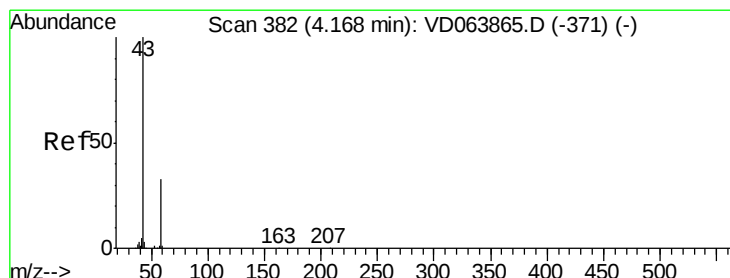
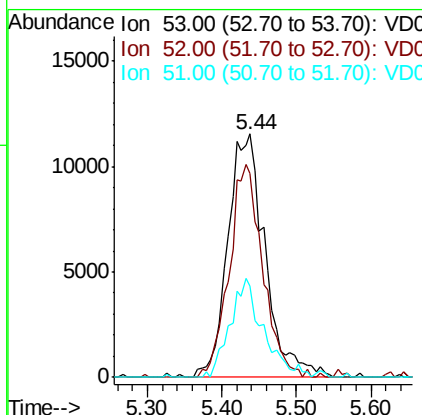
#15
 Acrylonitrile
 Concen: 105.497 ug/l
 RT: 5.44 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tot Ion	53	Ratio	Lower	Upper
53	100			
52	78.6	67.3	100.9	
51	35.3	30.5	45.7	

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

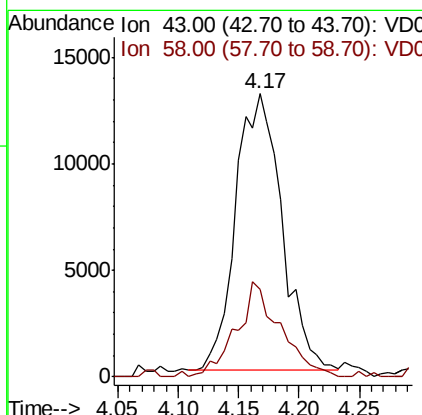
Manual Integrations
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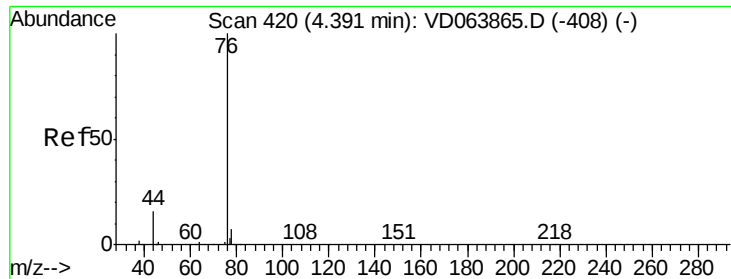
MMDadoda
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#16
 Acetone
 Concen: 76.993 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	43	Ratio	Lower	Upper
43	100			
58	31.8	26.2	39.4	





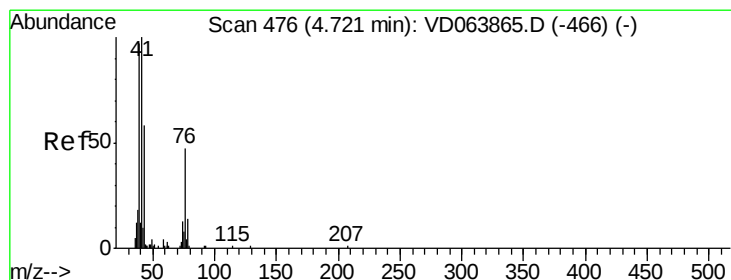
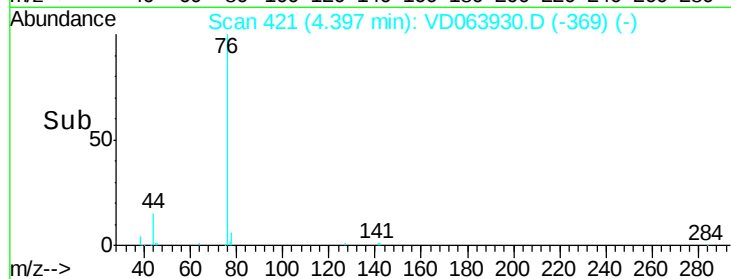
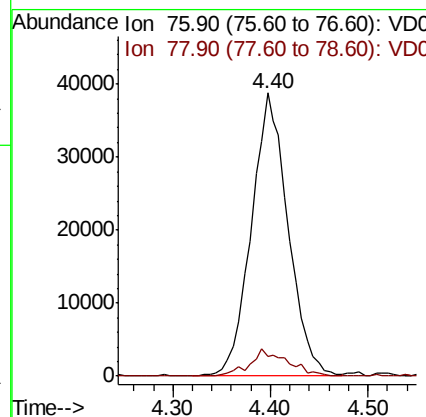
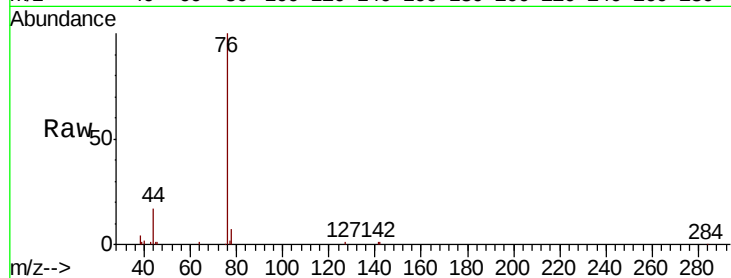
#17
Carbon Disulfide
Concen: 18.919 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	6.9	5.8	8.8

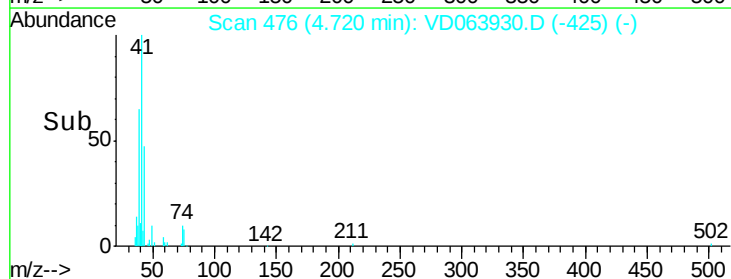
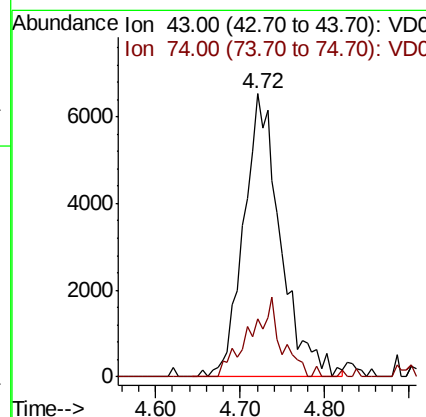
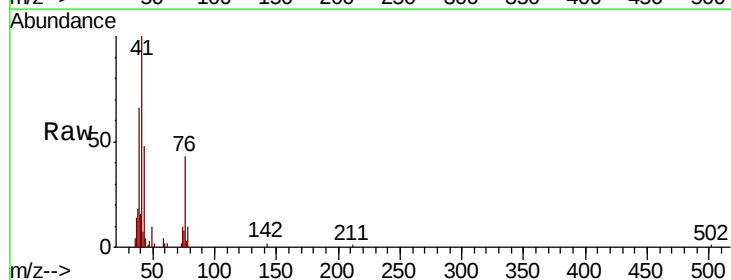
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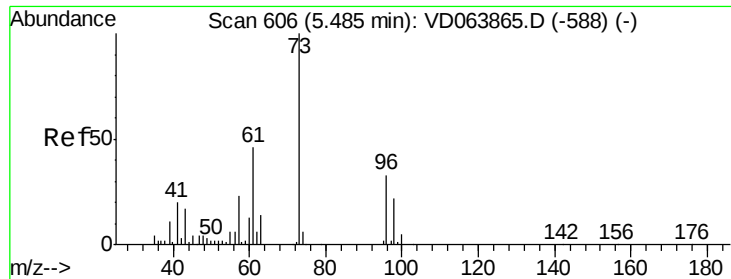
MMDadoda
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#18
Methyl Acetate
Concen: 22.482 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.2	20.8	31.2





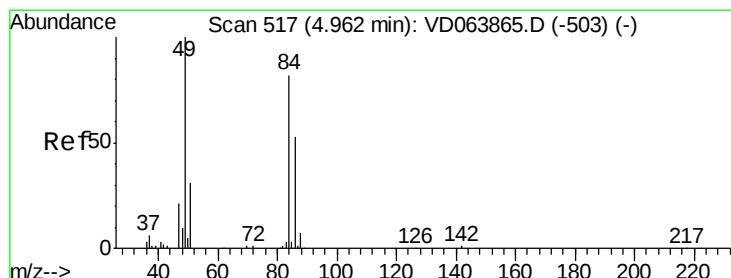
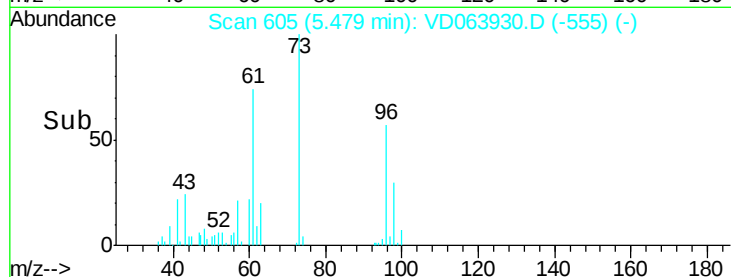
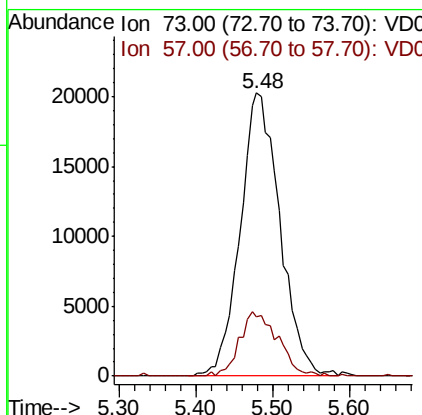
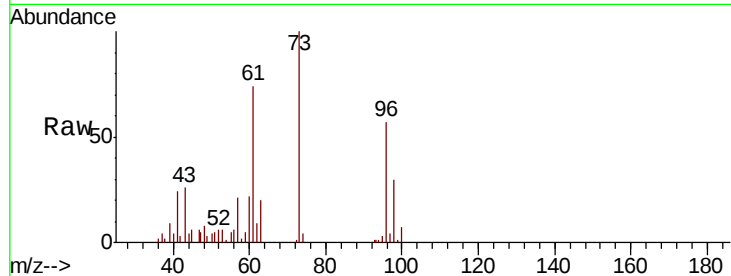
#19
Methyl tert-butyl Ether
Concen: 18.942 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	18.1	27.1

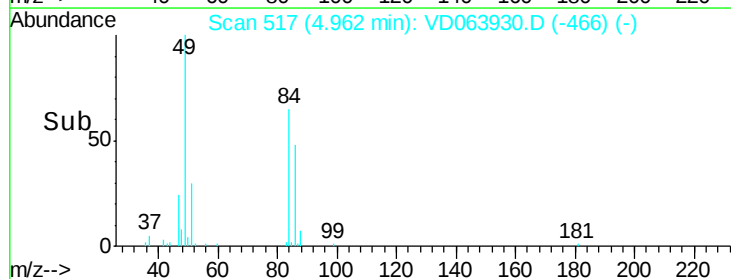
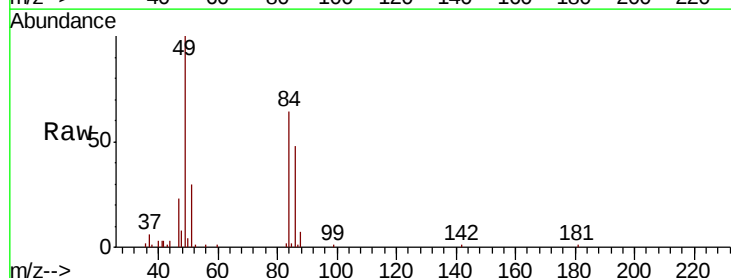
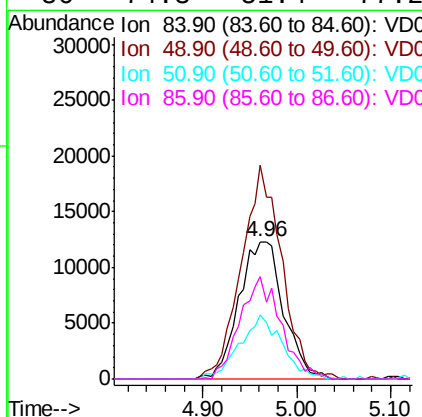
Manual Integrations
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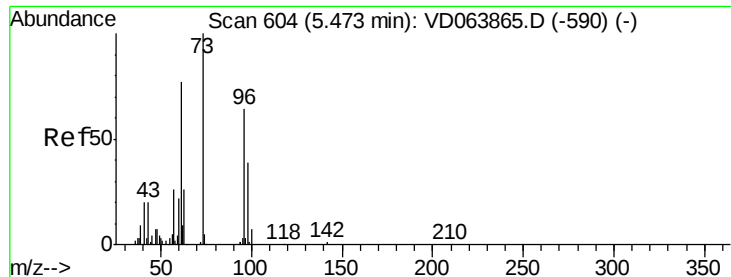
MMDadoda
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#20
Methylene Chloride
Concen: 18.340 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
84	100		
49	155.9	97.3	145.9#
51	46.6	30.1	45.1#
86	74.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 19.753 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

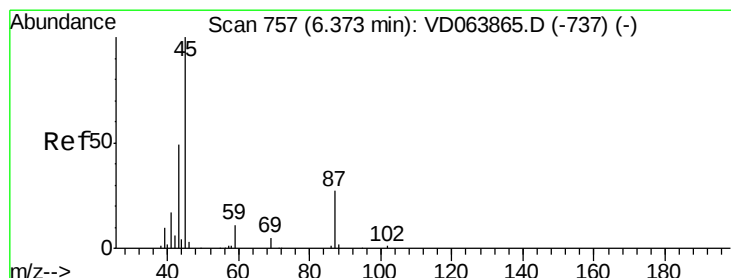
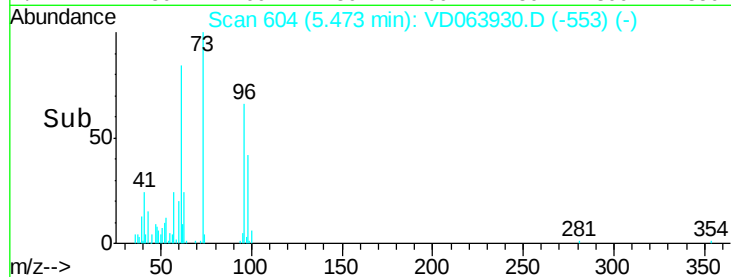
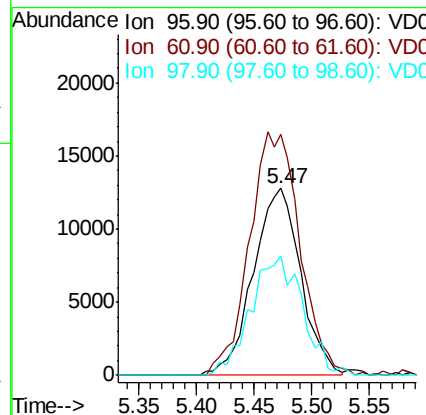
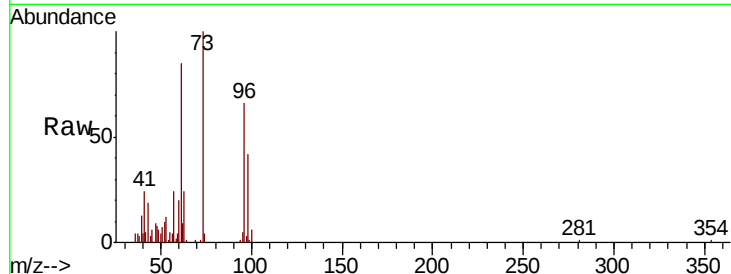
ClientSampleId :

VD1011SBSD01

Tot Ion:	96	Resp:	36556
Ion	Ratio	Lower	Upper
96	100		
61	129.1	96.6	145.0
98	63.9	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.695 ug/l

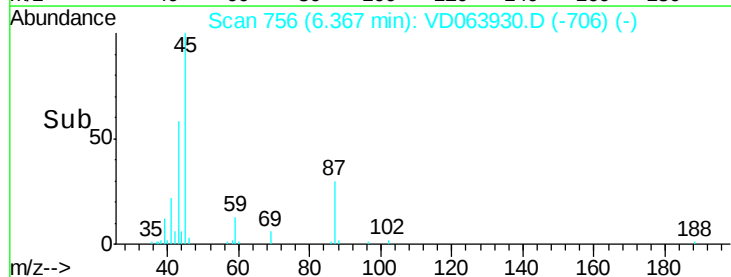
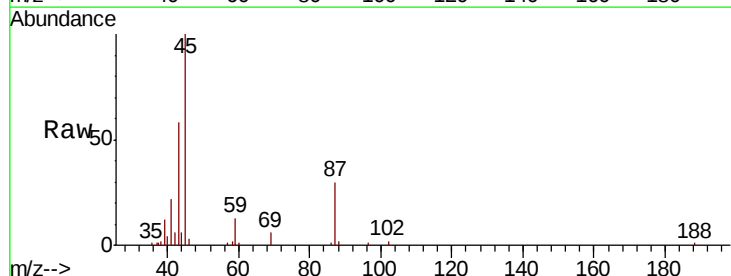
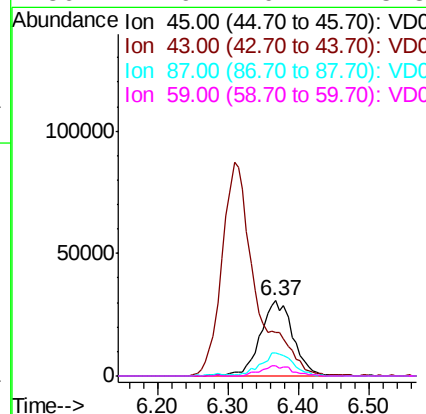
RT: 6.37 min Scan# 756

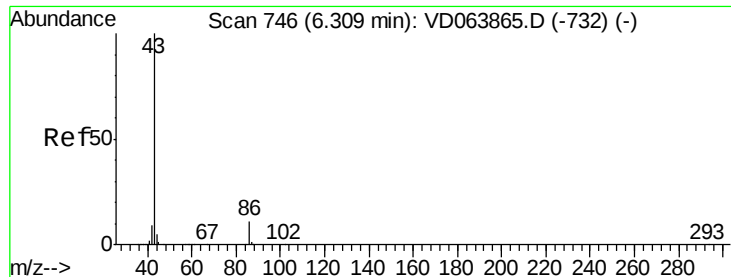
Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion:	45	Resp:	99414
Ion	Ratio	Lower	Upper
45	100		
43	56.6	41.2	61.8
87	30.5	22.2	33.4
59	12.9	9.2	13.8





#23

Vinyl Acetate

Concen: 96.665 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleID :

VD1011SBS01

Tot Ion: 43 Resp: 290266

Ion Ratio Lower Upper

43 100

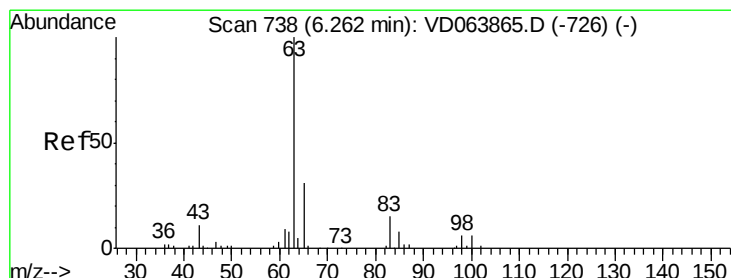
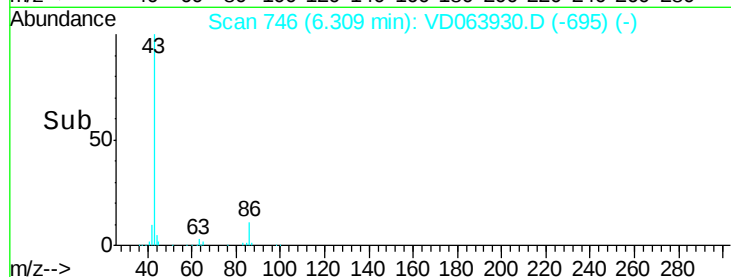
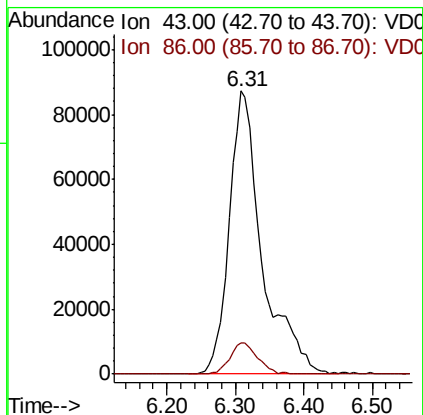
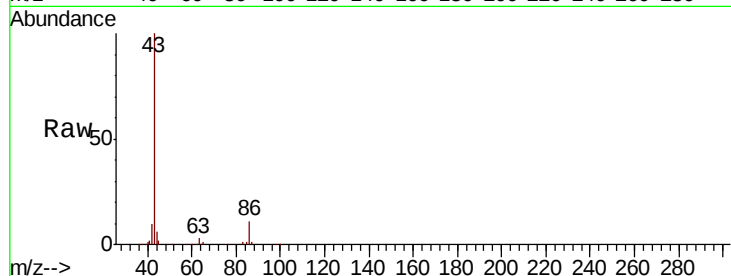
86 10.9 8.8 13.2

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 19.900 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

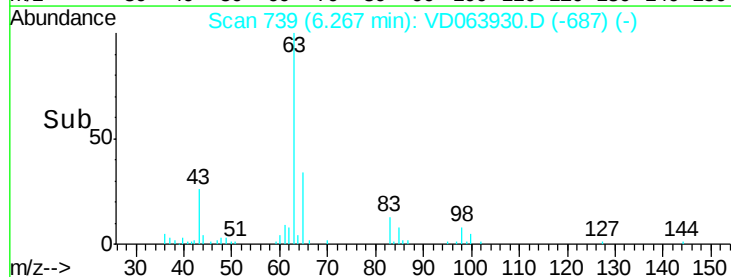
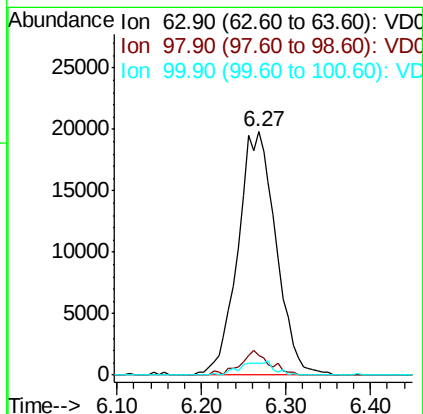
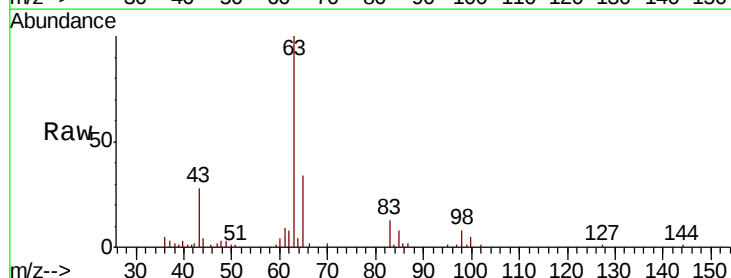
Tgt Ion: 63 Resp: 61871

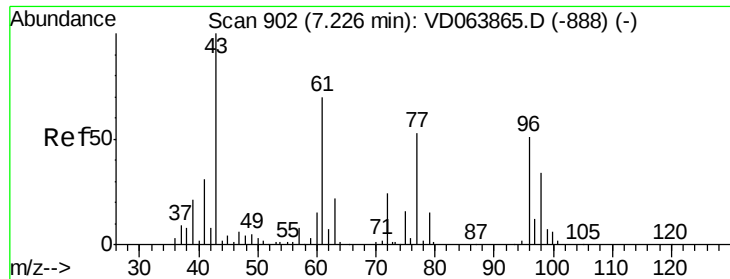
Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.4

100 5.0 3.0 9.2





#25

2-Butanone

Concen: 92.266 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 43 Resp: 49163

Ion Ratio Lower Upper

43 100

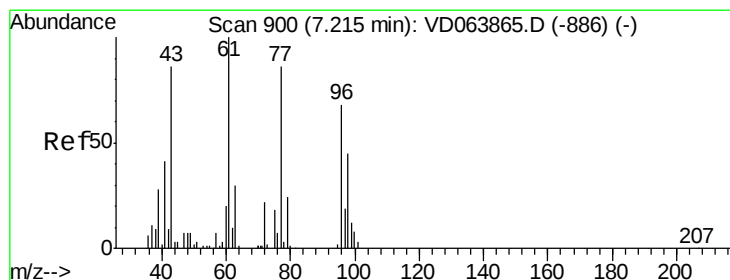
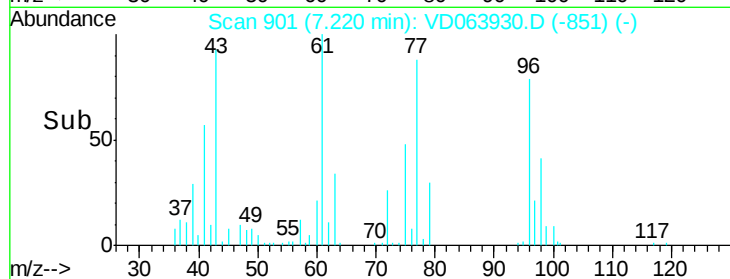
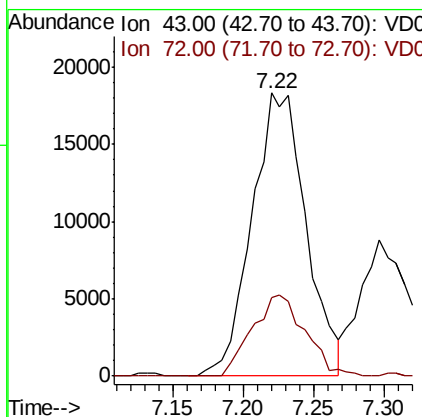
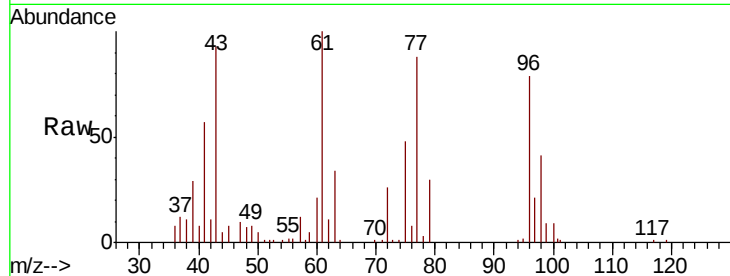
72 27.6 19.2 28.8

Manual Integrations

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MMDadoda

10/15/2019 4:13:49 PM



#26

2,2-Dichloropropane

Concen: 19.643 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063930.D

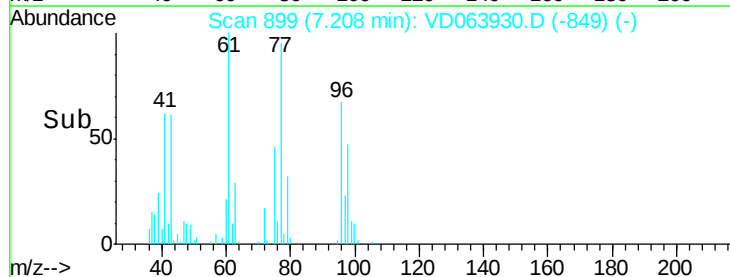
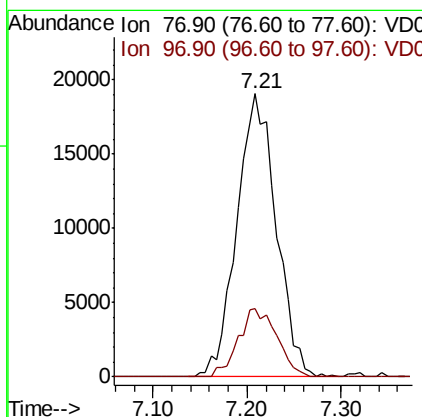
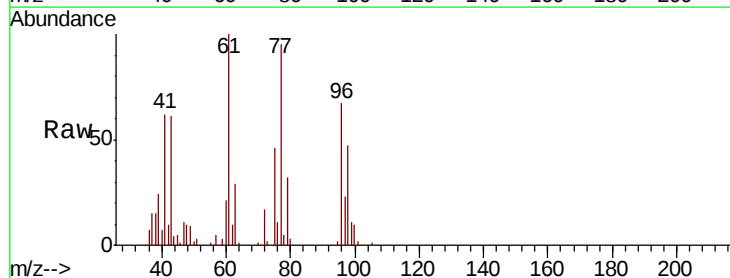
Acq: 11 Oct 2019 11:56

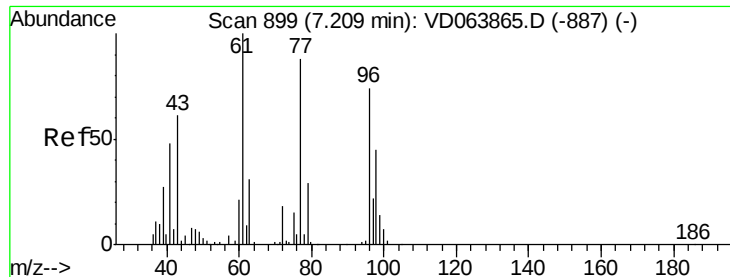
Tgt Ion: 77 Resp: 55247

Ion Ratio Lower Upper

77 100

97 23.7 11.4 34.1





#27

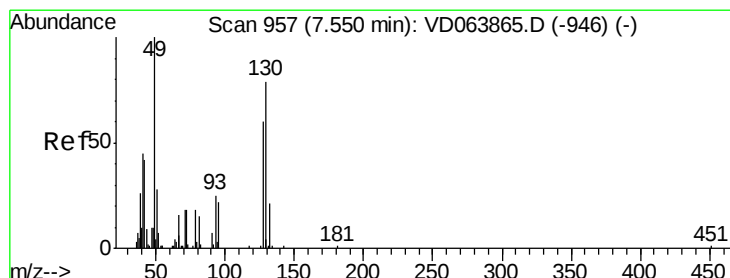
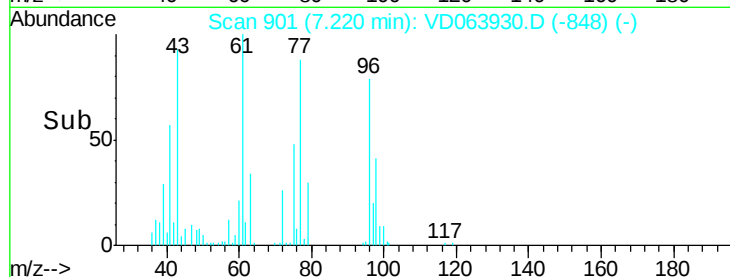
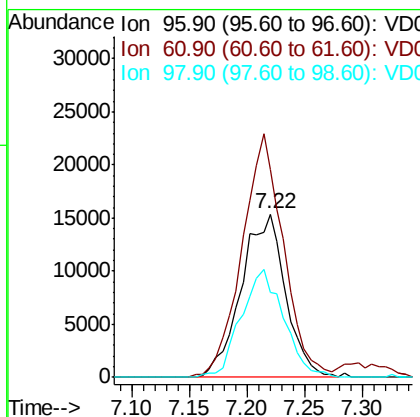
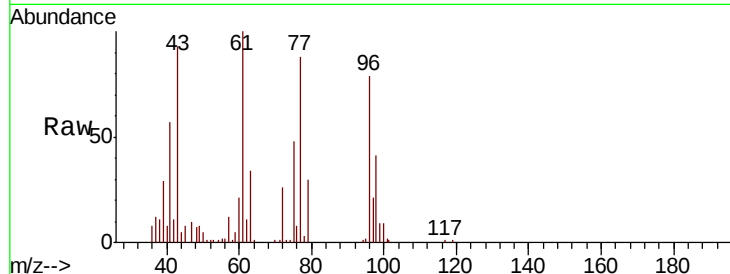
cis-1,2-Dichloroethene
Concen: 19.579 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	41011		
61	139.4	0.0	280.0	
98	63.8	0.0	130.4	

Manual Integrations
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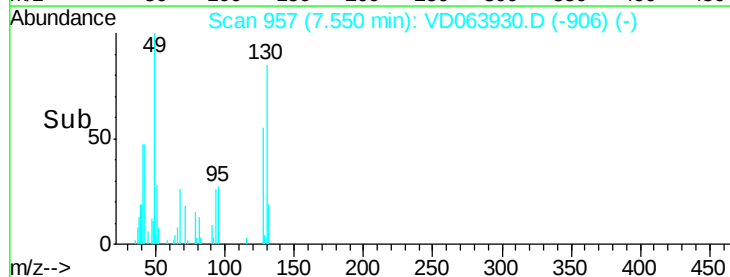
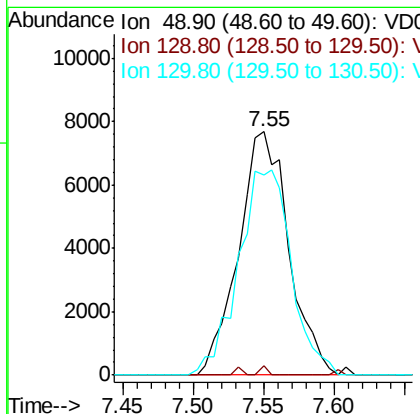
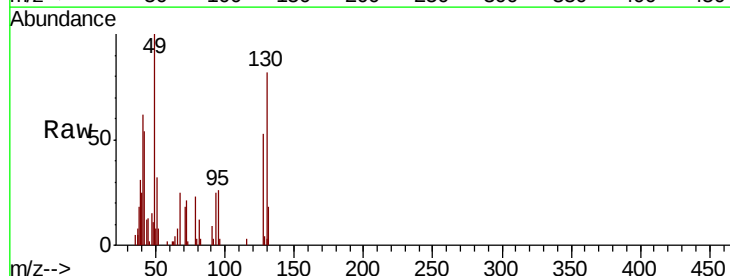
MMDadoda
10/15/2019 4:13:49 PM

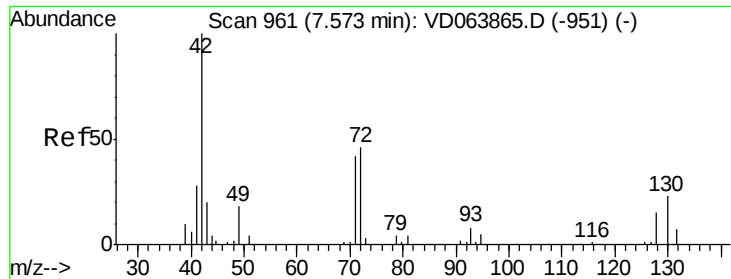


#28

Bromochloromethane
Concen: 17.412 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	19090		
129	0.5	0.0	5.6	
130	89.0	66.8	100.2	





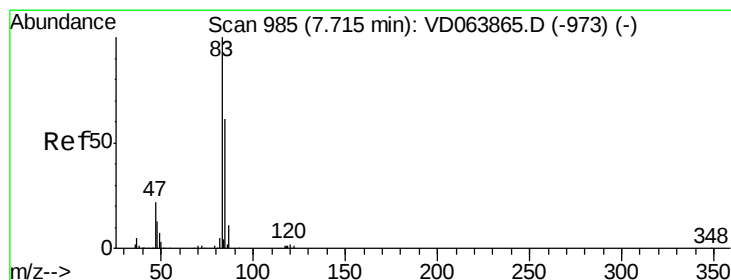
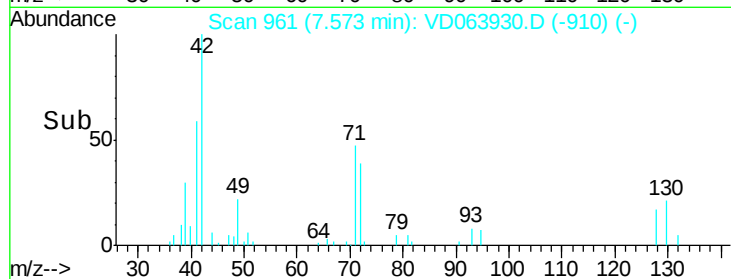
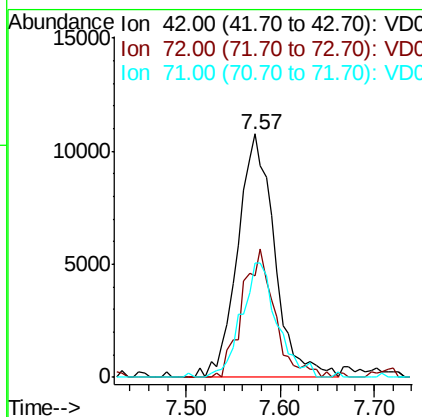
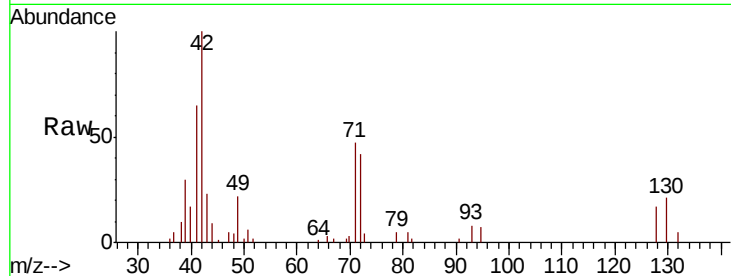
#29
Tetrahydrofuran
Concen: 94.284 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion:	42	Resp:	29323
Ion Ratio		Lower	Upper
42	100		
72	46.2	37.6	56.4
71	45.2	35.0	52.6

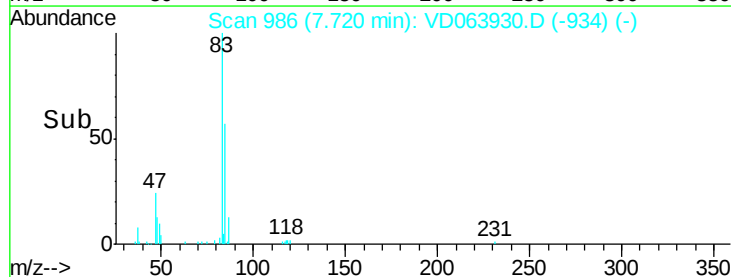
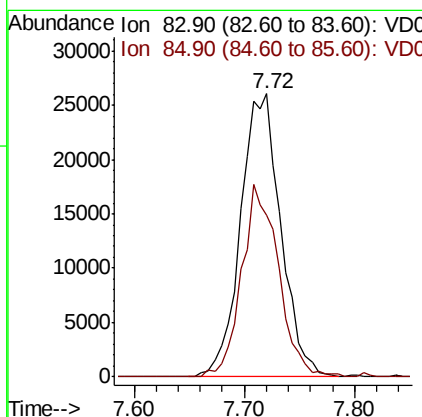
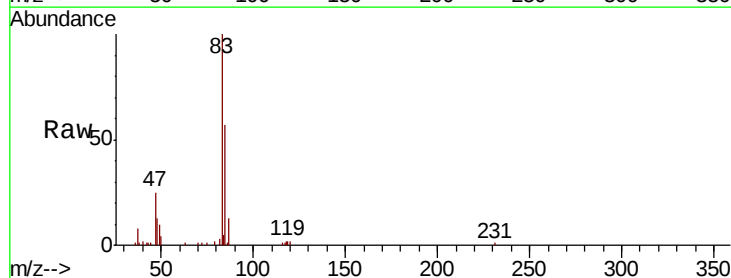
Manual Integrations
APPROVED

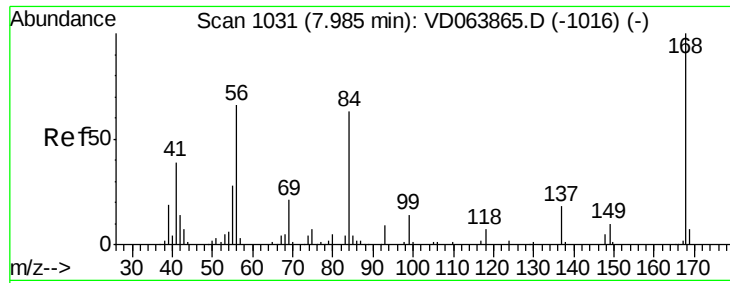
MMDadoda
10/15/2019 4:13:49 PM



#30
Chloroform
Concen: 19.703 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion:	83	Resp:	66535
Ion Ratio		Lower	Upper
83	100		
85	57.3	48.9	73.3





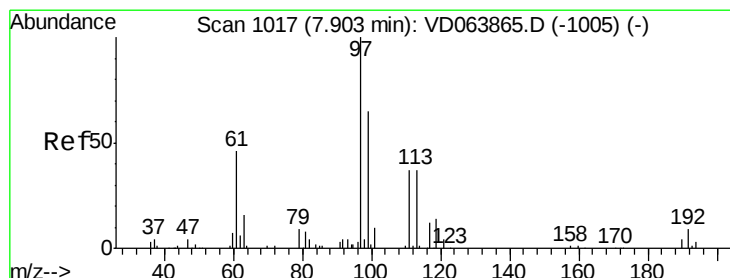
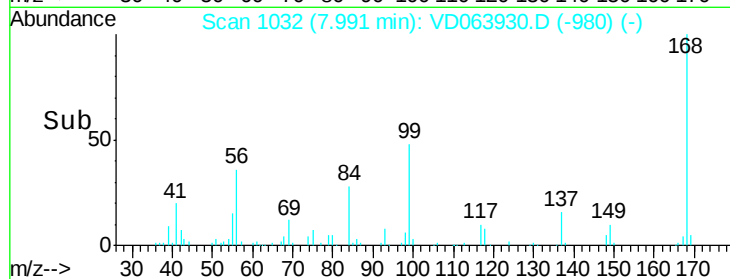
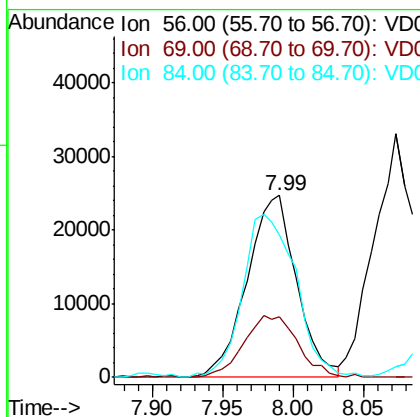
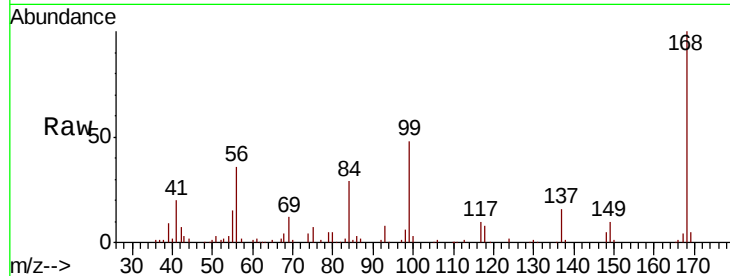
#31
Cyclohexane
Concen: 21.301 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	25.0	37.4
84	78.5	76.3	114.5

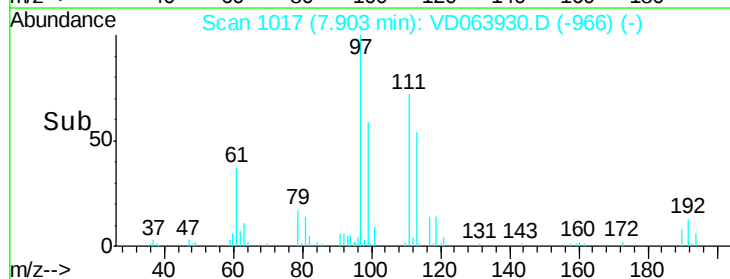
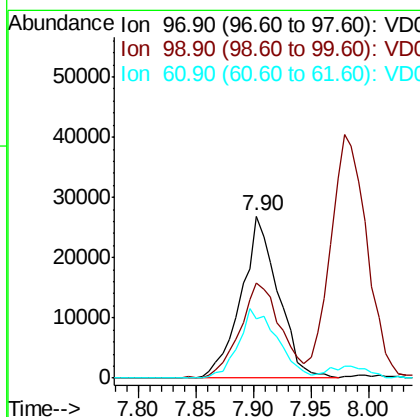
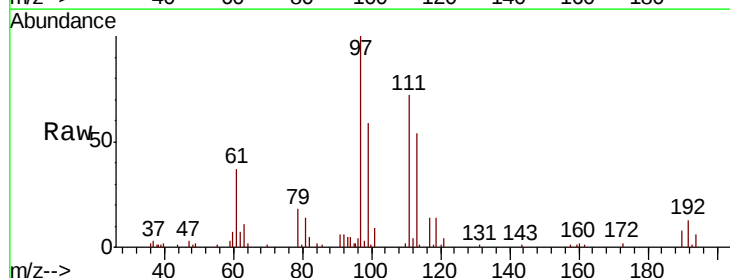
Manual Integrations
APPROVED

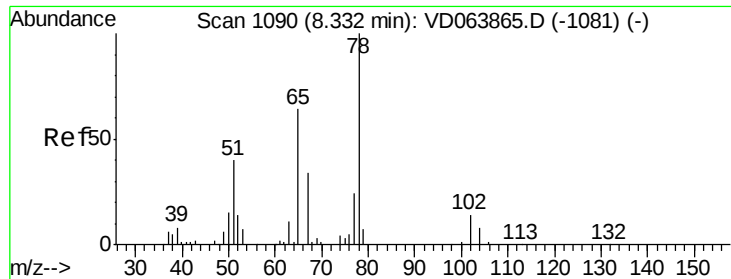
MMDadoda
10/15/2019 4:13:49 PM



#32
1,1,1-Trichloroethane
Concen: 20.617 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.4	78.6
61	44.9	33.8	50.8





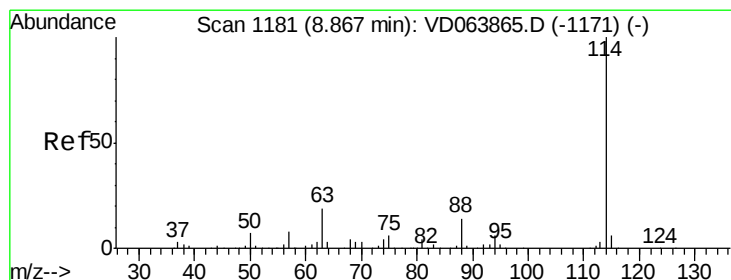
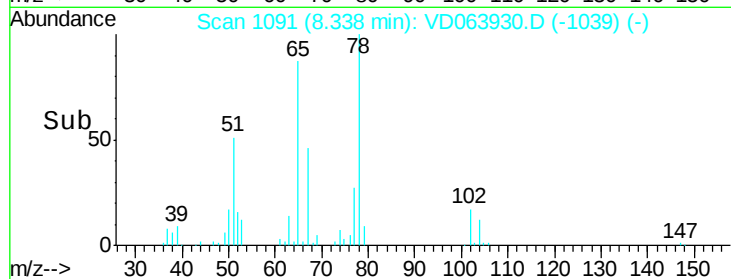
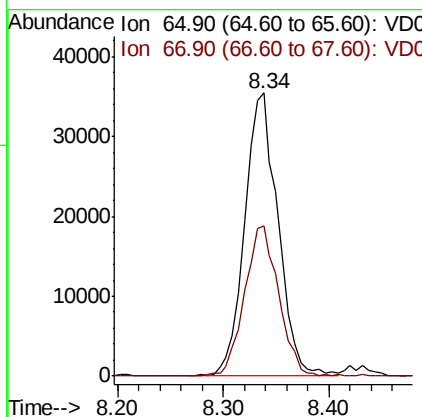
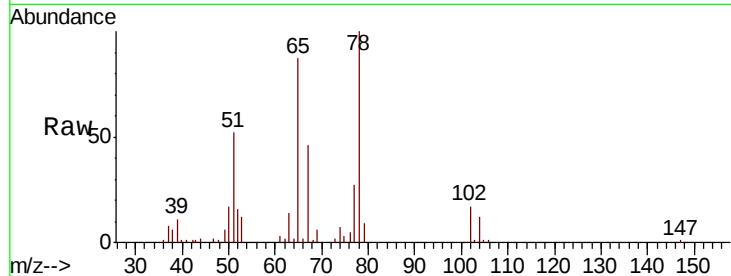
#33
 1,2-Dichloroethane-d4
 Concen: 45.020 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	106.4

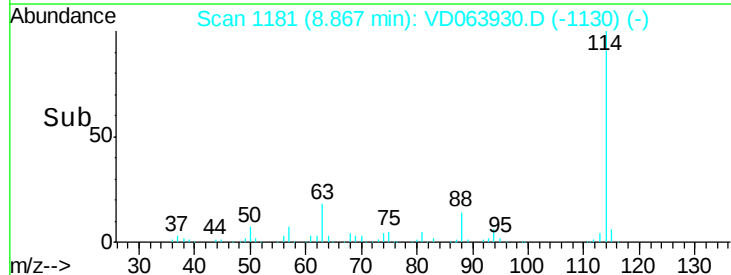
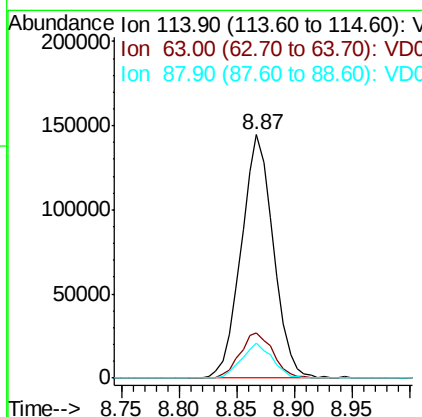
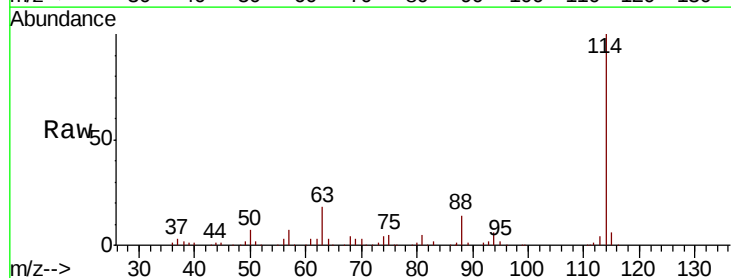
Manual Integrations
 APPROVED

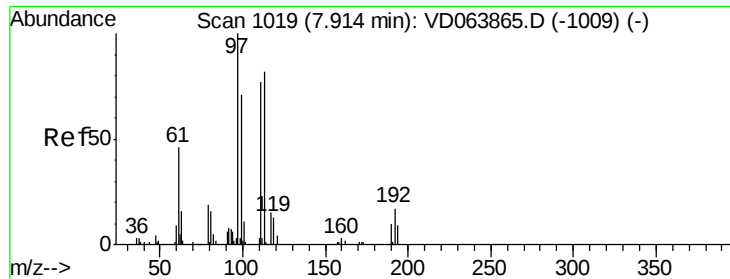
MMDadoda
 10/15/2019 4:13:49 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.4
88	14.5	0.0	27.4





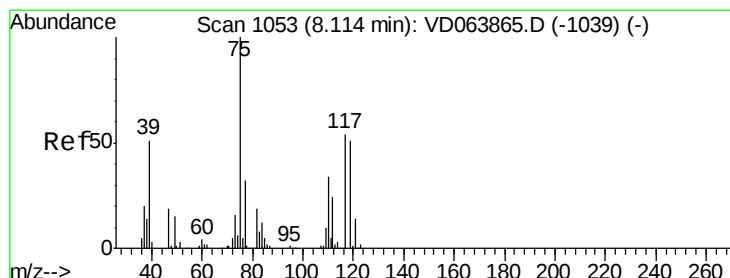
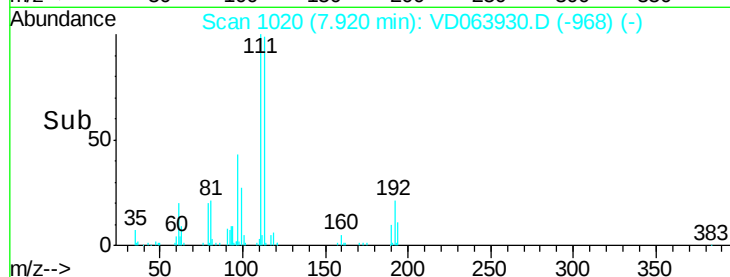
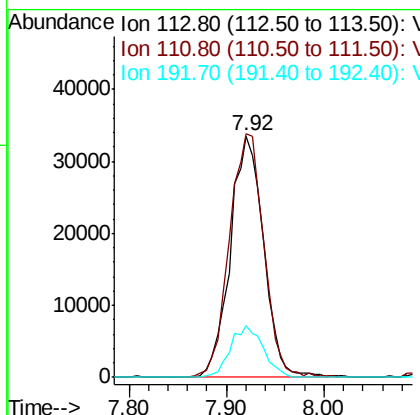
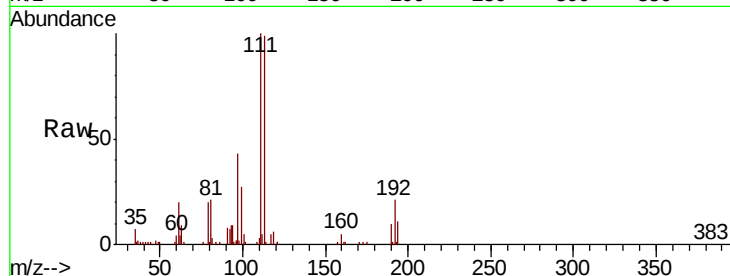
#35
Dibromofluoromethane
Concen: 46.501 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.4	82.6	123.8	
192	20.9	17.1	25.7	

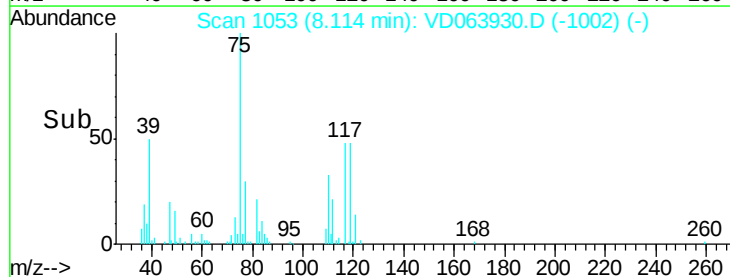
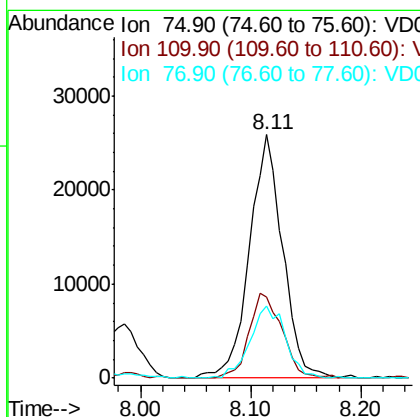
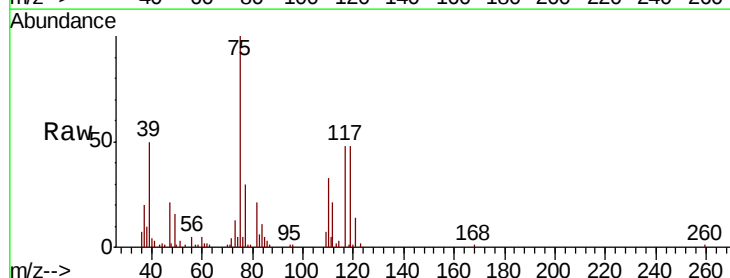
Manual Integrations
APPROVED

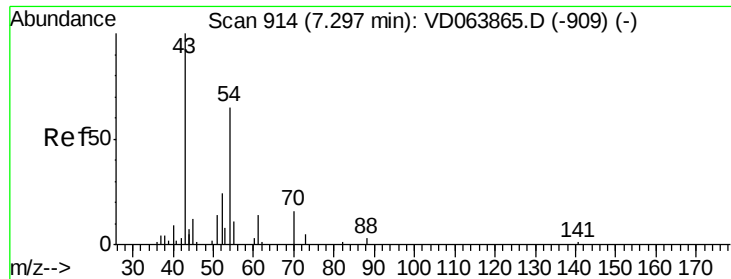
MMDadoda
10/15/2019 4:13:49 PM



#36
1,1-Dichloropropene
Concen: 21.454 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	34.6	17.4	52.3	
77	31.6	25.4	38.0	





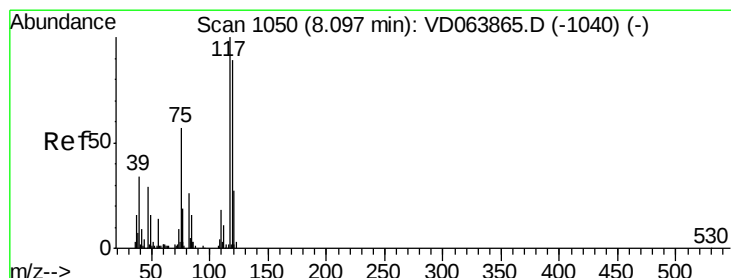
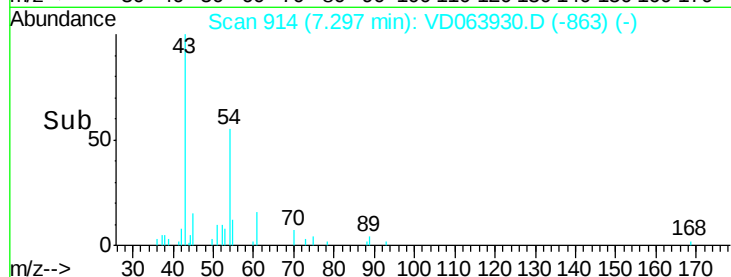
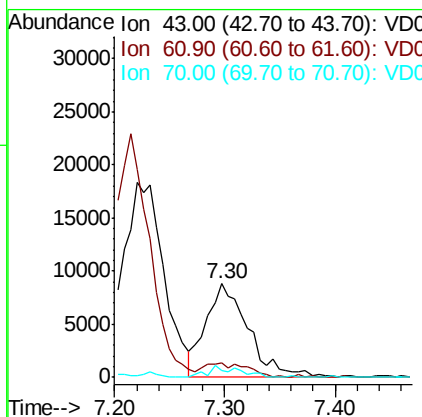
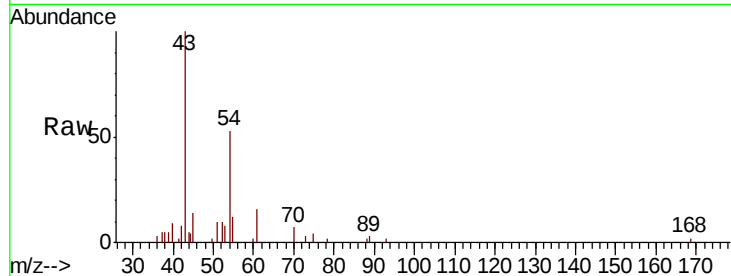
#37
Ethyl Acetate
Concen: 20.685 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleID :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.5	17.3#
70	4.8	8.2	12.4#

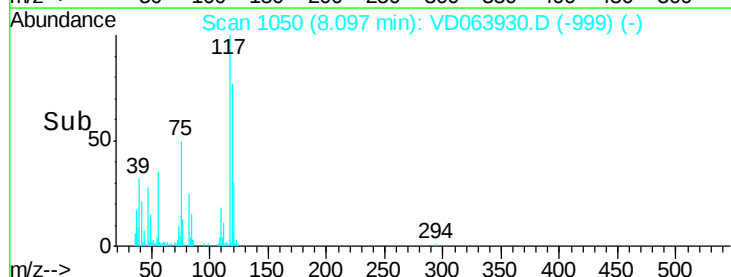
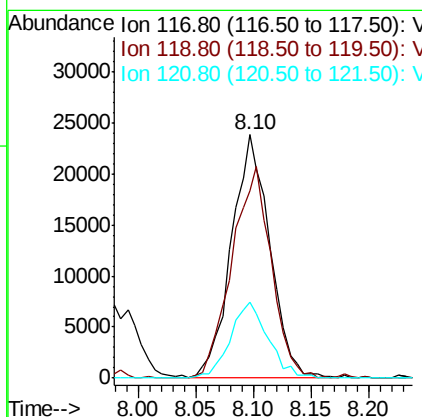
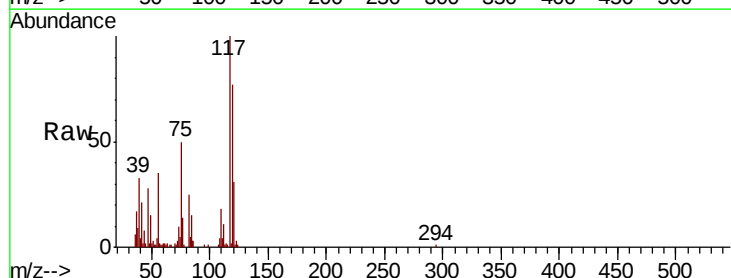
Manual Integrations
APPROVED

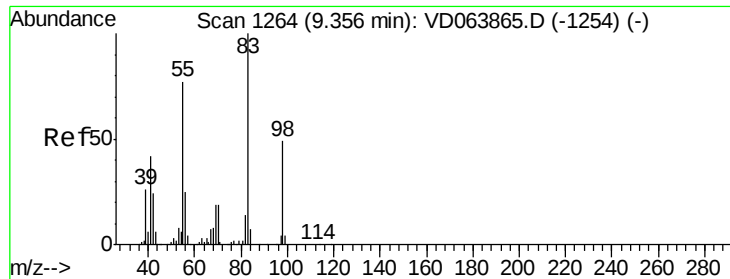
MMDadoda
10/15/2019 4:13:49 PM



#38
Carbon Tetrachloride
Concen: 21.357 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	76.9	70.8	106.2
121	31.4	21.4	32.0





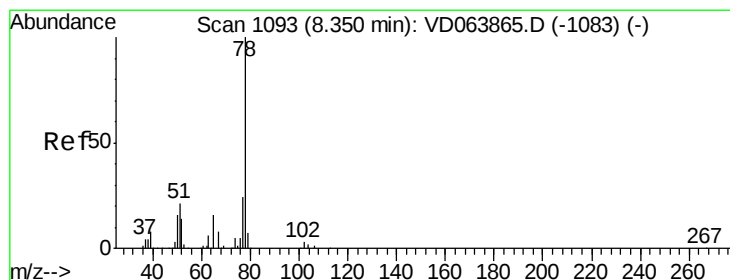
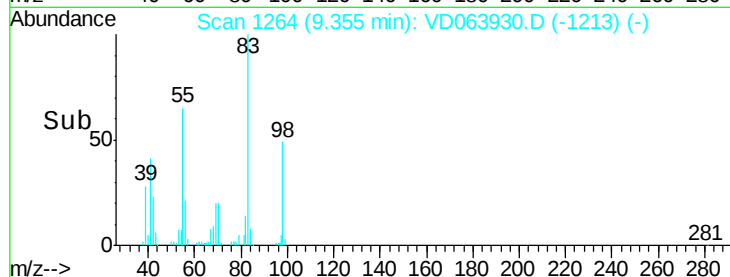
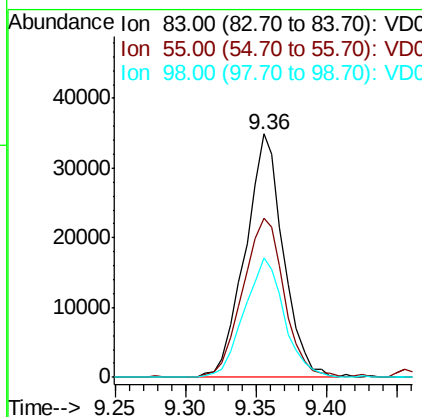
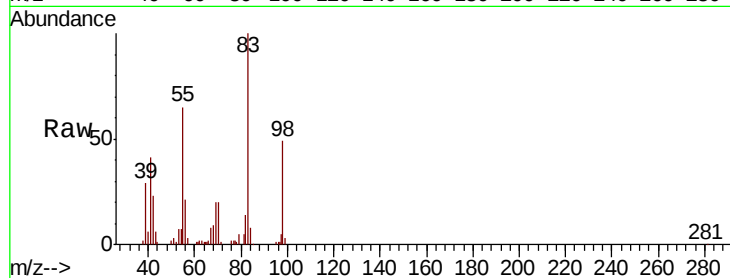
#39
Methvlcvclohexane
Concen: 21.080 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.3	61.3	91.9
98	49.2	39.3	58.9

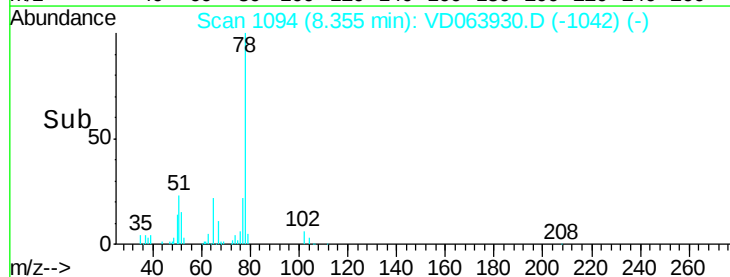
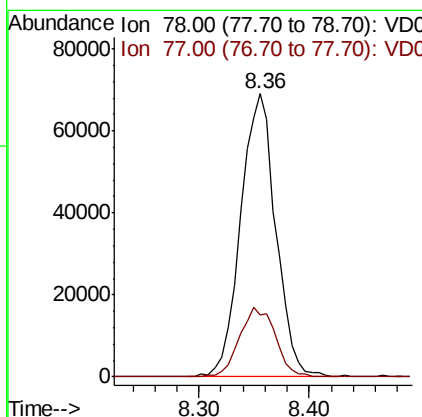
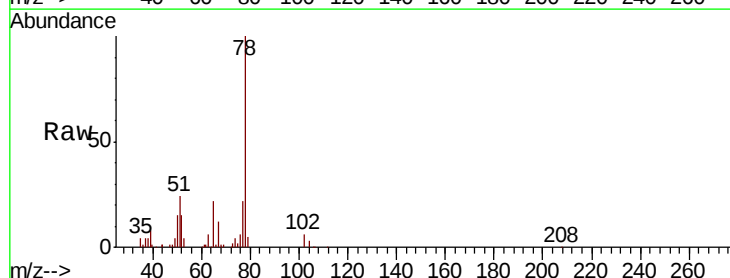
Manual Integrations
APPROVED

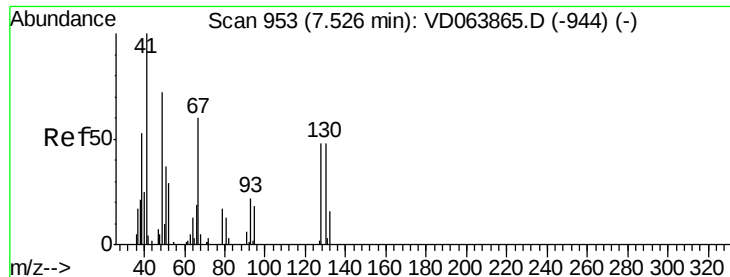
MMDadoda
10/15/2019 4:13:49 PM



#40
Benzene
Concen: 21.084 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	19.0	28.6





#41

Methacrylonitrile

Concen: 21.357 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 41 Resp: 12625

Ion Ratio Lower Upper

41 100

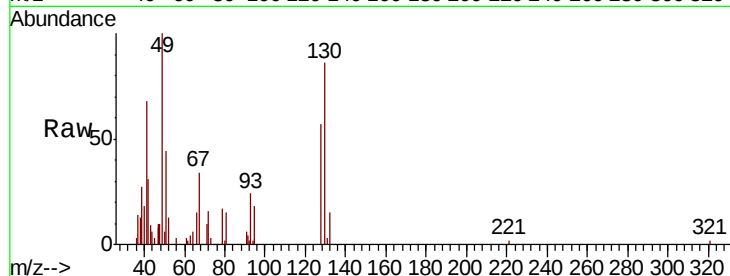
39 53.5 52.6 78.8

67 0.0 74.2 111.2#

52 0.0 34.0 51.0#

Manual Integrations
APPROVED

MMDadoda
10/15/2019 4:13:49 PM

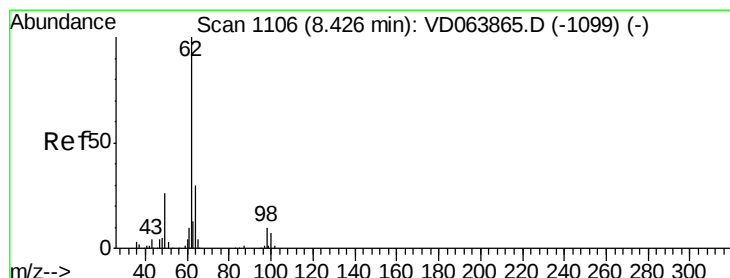
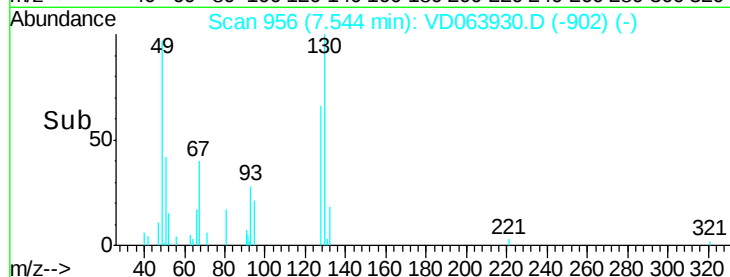
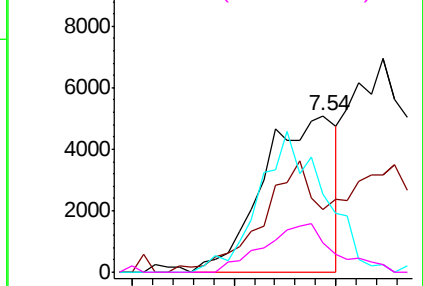


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.939 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

Lab File: VD063930.D

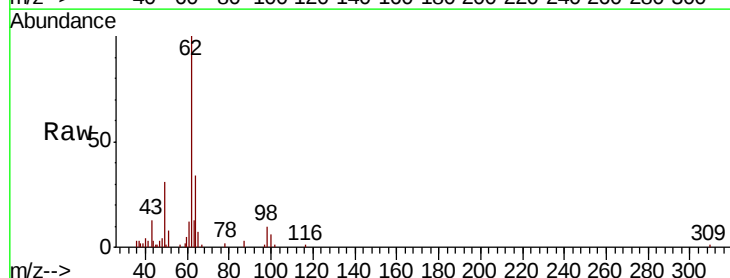
Acq: 11 Oct 2019 11:56

Tgt Ion: 62 Resp: 42142

Ion Ratio Lower Upper

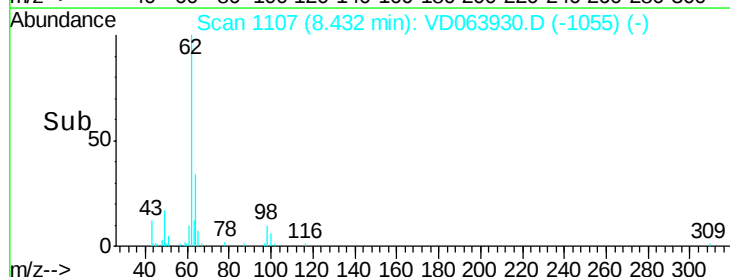
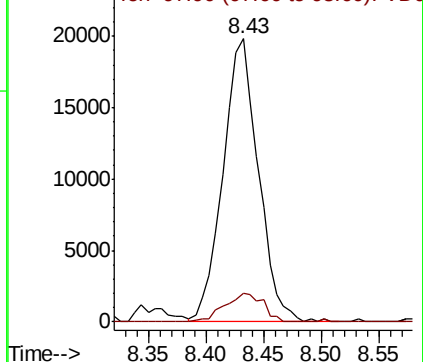
62 100

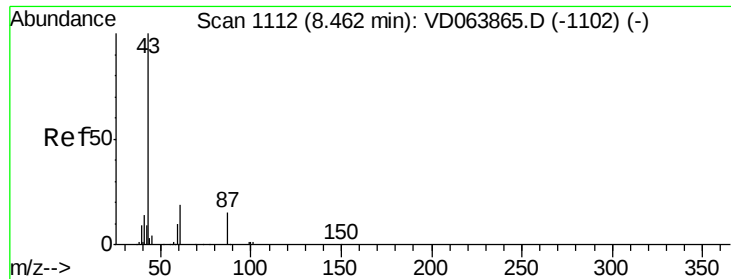
98 11.0 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 19.152 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

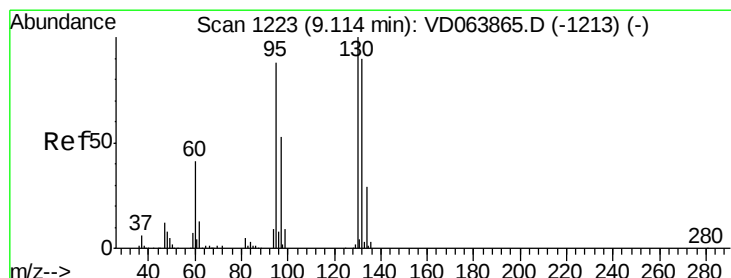
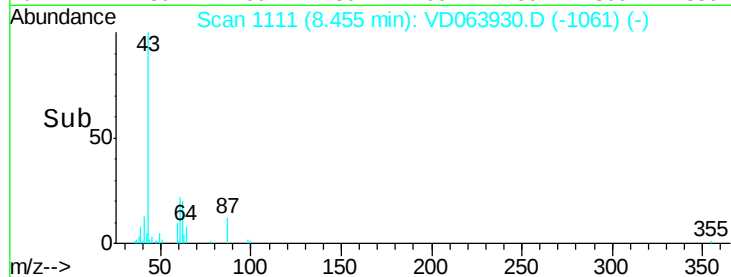
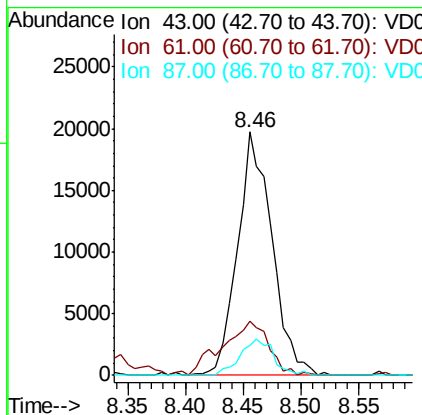
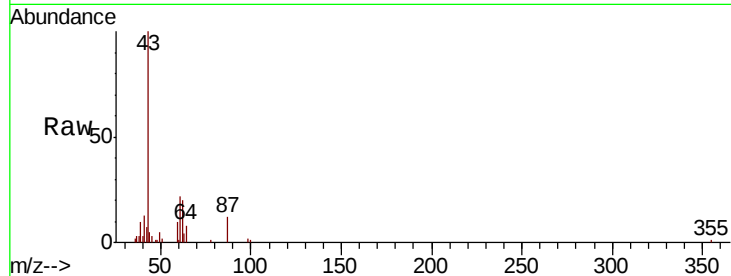
ClientSampleId :

VD1011SBS01

Tot Ion:	43	Resp:	40952
Ion	Ratio	Lower	Upper
43	100		
61	30.1	25.7	38.5
87	14.6	11.6	17.4

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#44

Trichloroethene

Concen: 20.165 ug/l

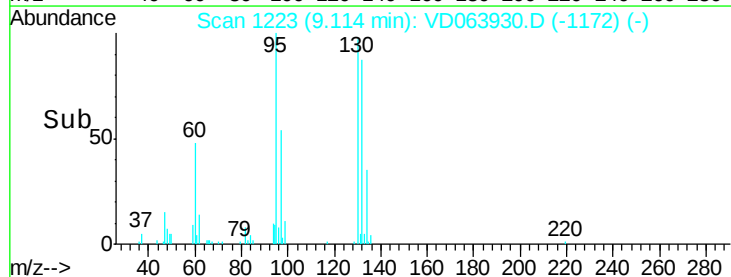
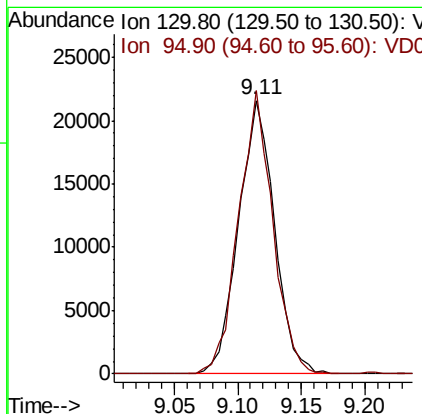
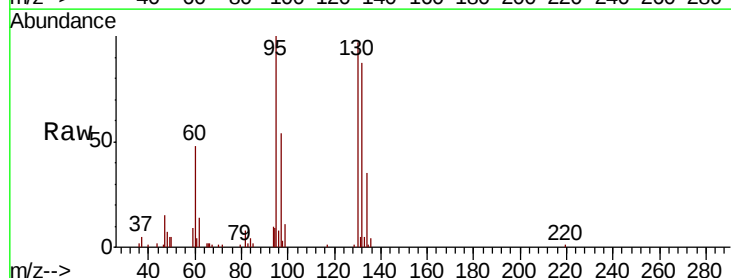
RT: 9.11 min Scan# 1223

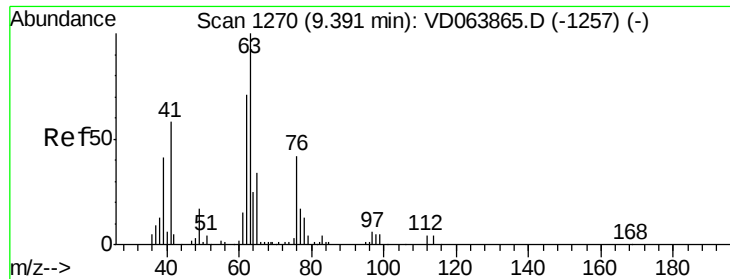
Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion:	130	Resp:	42487
Ion	Ratio	Lower	Upper
130	100		
95	103.5	0.0	175.6





#45

1,2-Dichloropropane

Concen: 19.985 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 63 Resp: 35742

Ion Ratio Lower Upper

63 100

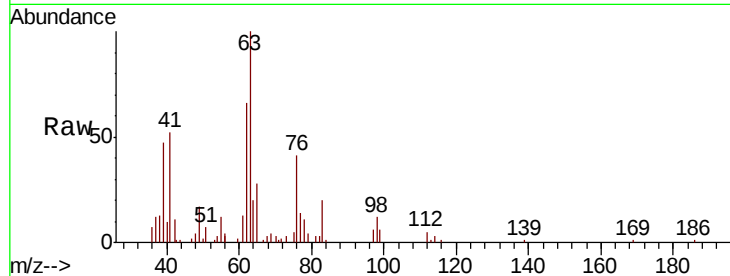
65 28.3 27.3 40.9

Manual Integrations

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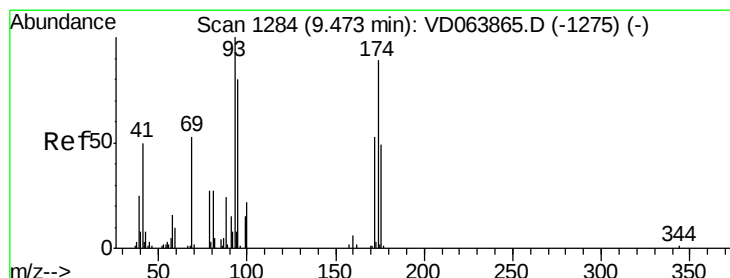
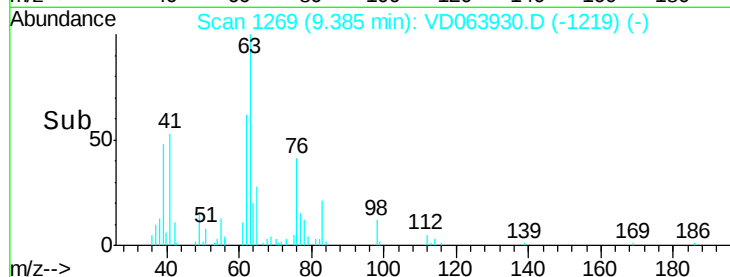
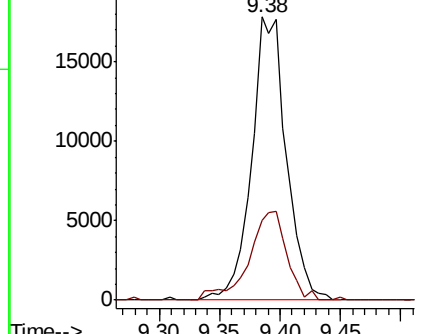
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 19.328 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

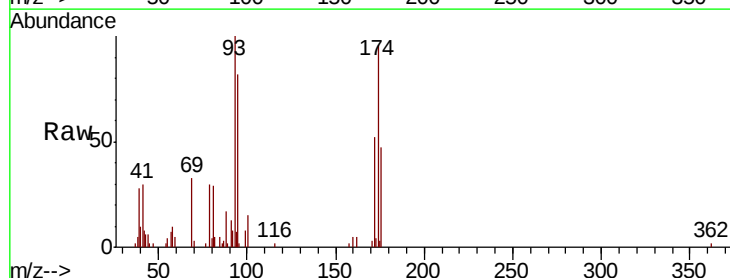
Tgt Ion: 93 Resp: 19686

Ion Ratio Lower Upper

93 100

95 88.9 66.0 99.0

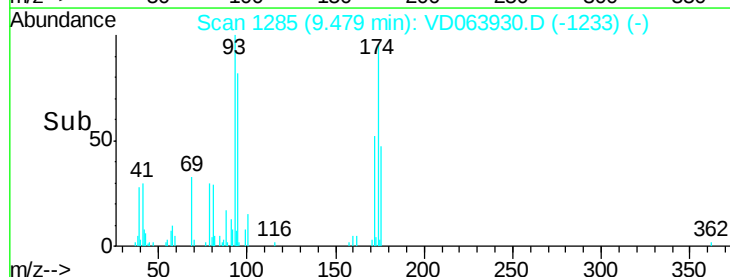
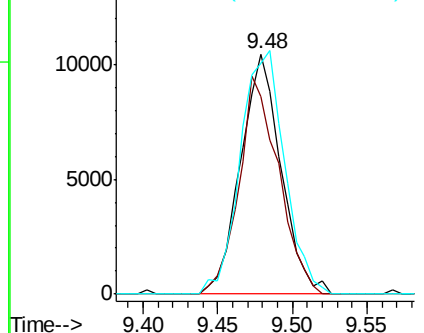
174 110.6 83.4 125.0

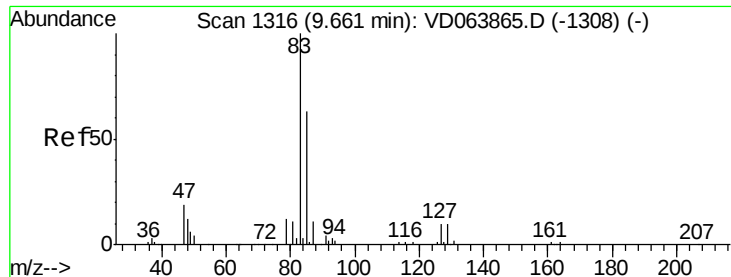


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 19.182 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

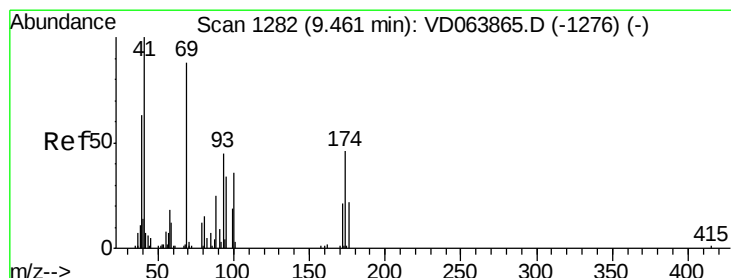
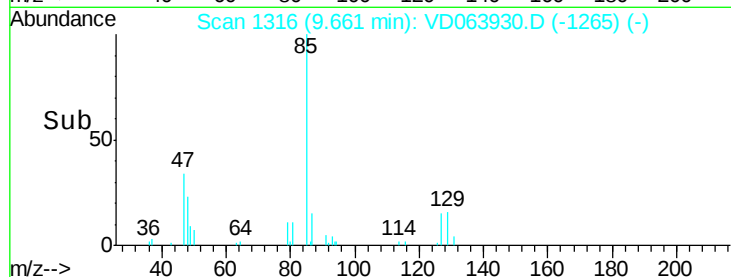
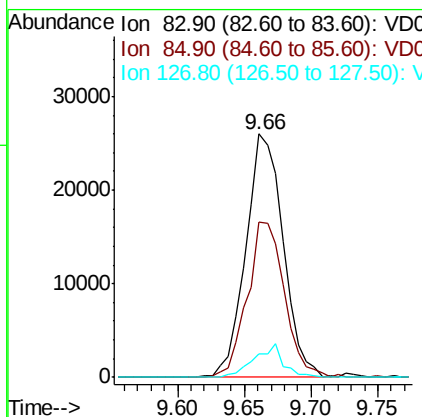
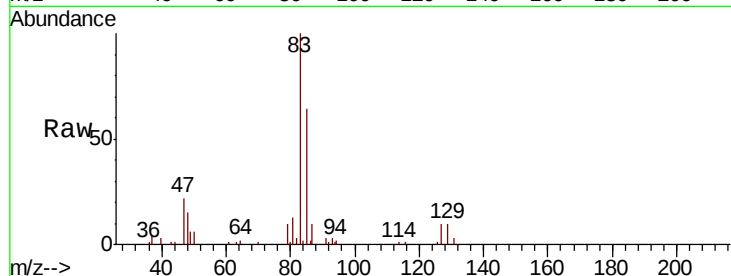
ClientSampleId :

VD1011SBS01

Tot Ion:	83	Resp:	50301
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.2	75.2
127	9.7	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 17.660 ug/l

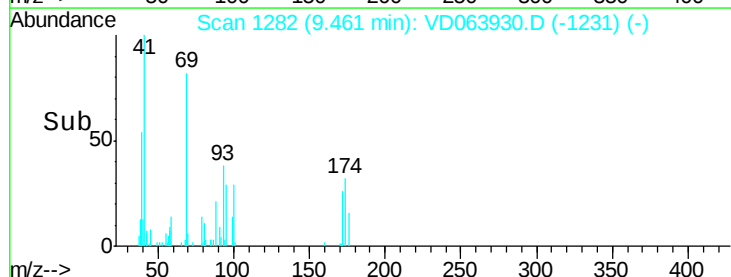
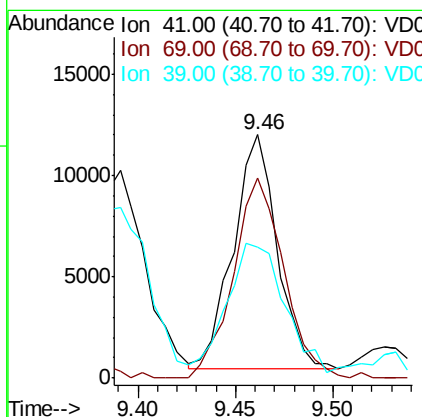
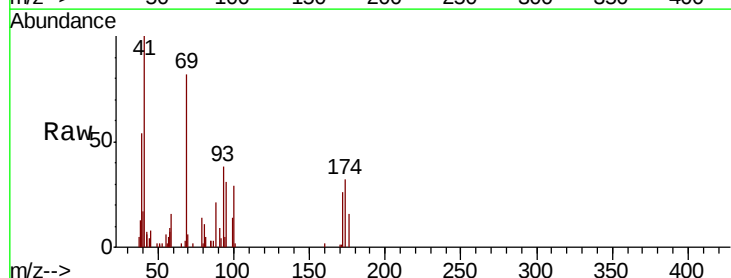
RT: 9.46 min Scan# 1282

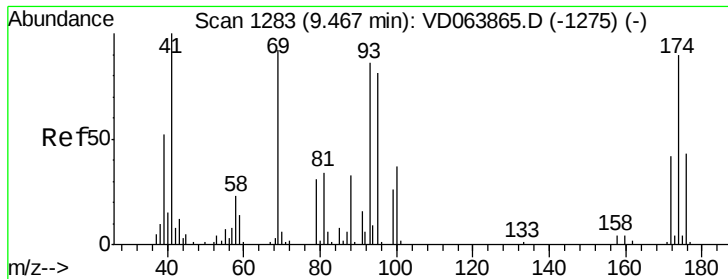
Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion:	41	Resp:	18093
Ion	Ratio	Lower	Upper
41	100		
69	97.8	75.1	112.7
39	68.4	50.2	75.2





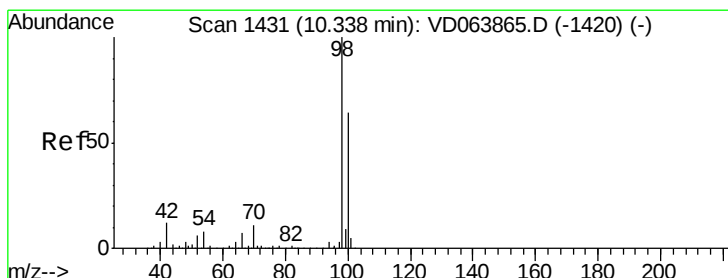
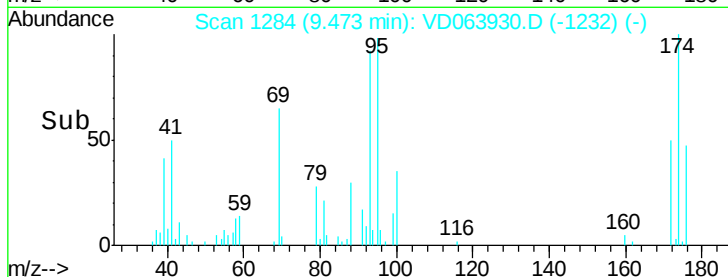
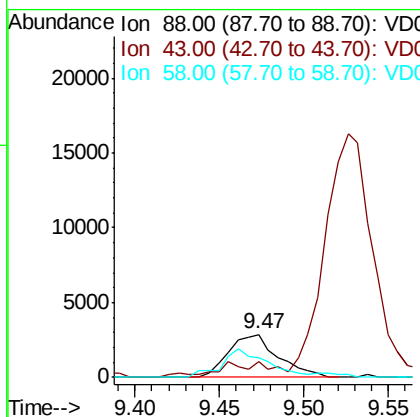
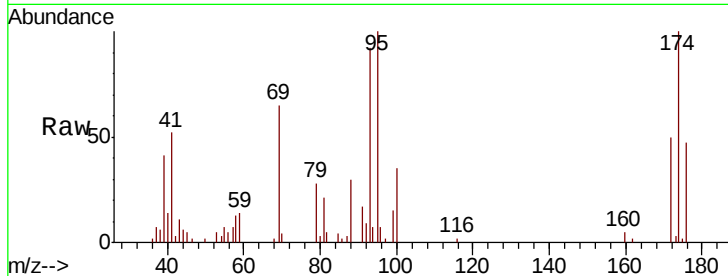
#49
1,4-Dioxane
Concen: 420.423 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	23.8	27.6	41.4#
58	66.6	54.1	81.1

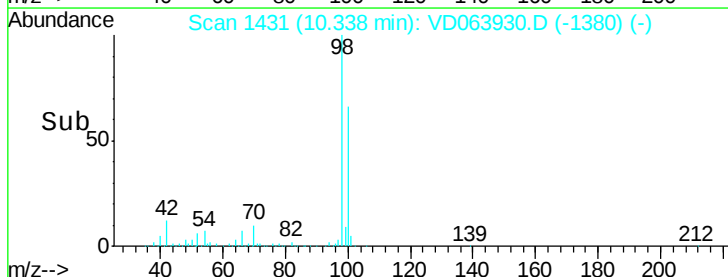
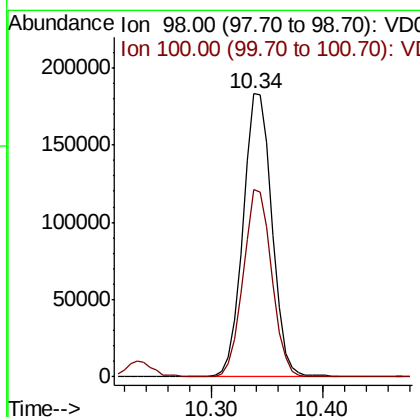
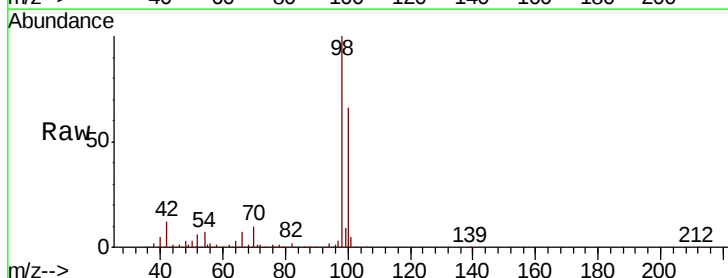
Manual Integrations
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#50
Toluene-d8
Concen: 48.729 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 95.320 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 43 Resp: 105704

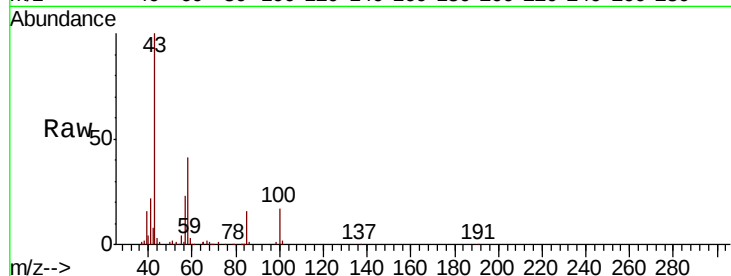
Ion Ratio Lower Upper

43 100

58 38.9 33.0 49.4

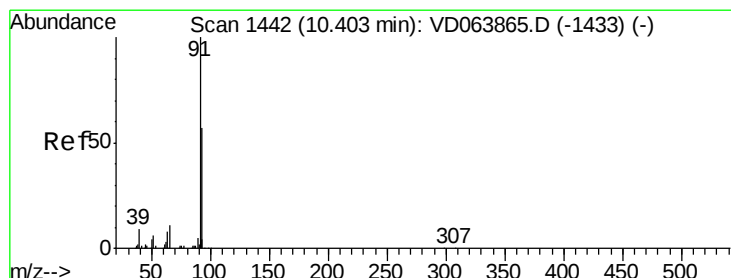
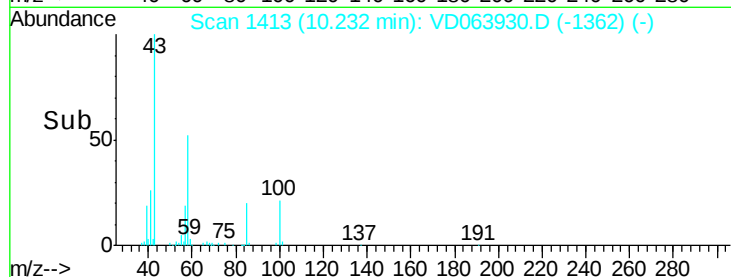
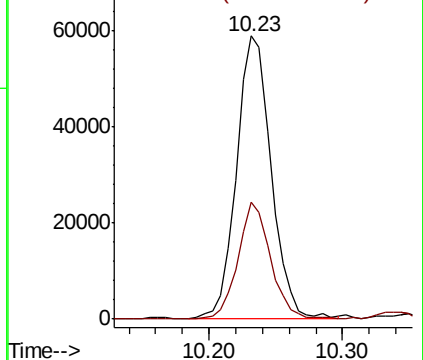
Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.796 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD063930.D

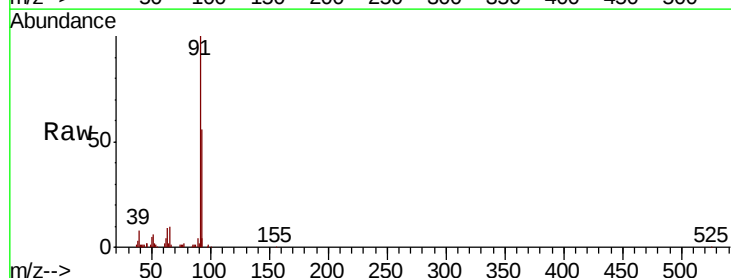
Acq: 11 Oct 2019 11:56

Tgt Ion: 92 Resp: 104308

Ion Ratio Lower Upper

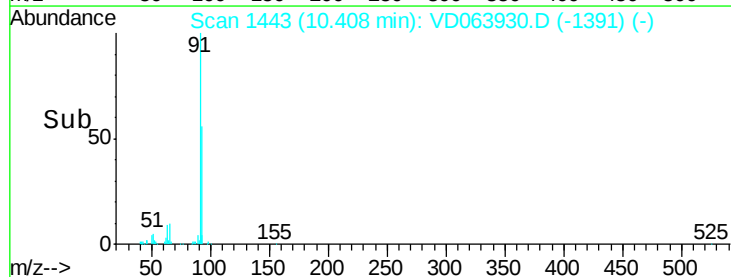
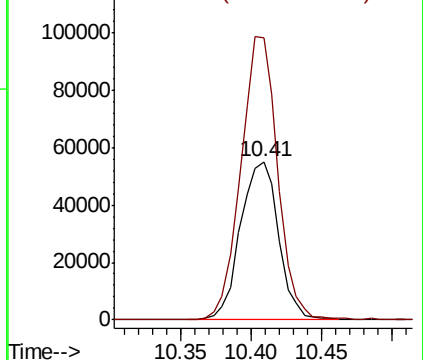
92 100

91 172.6 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





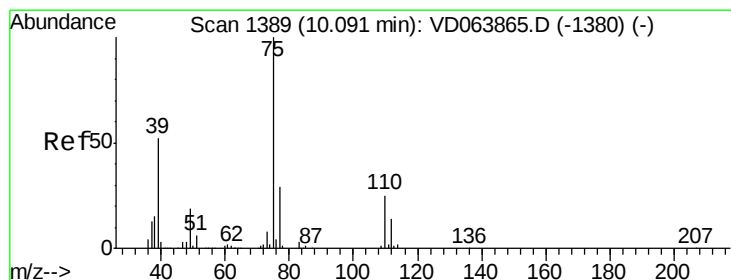
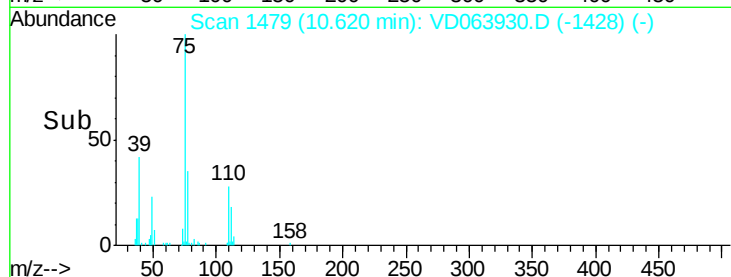
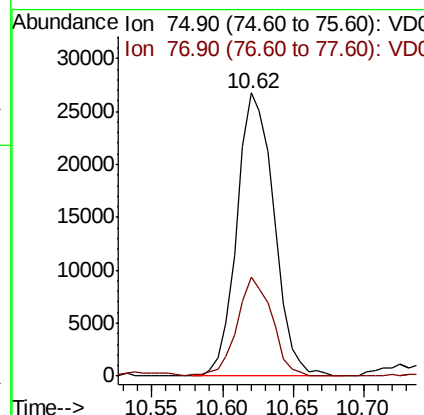
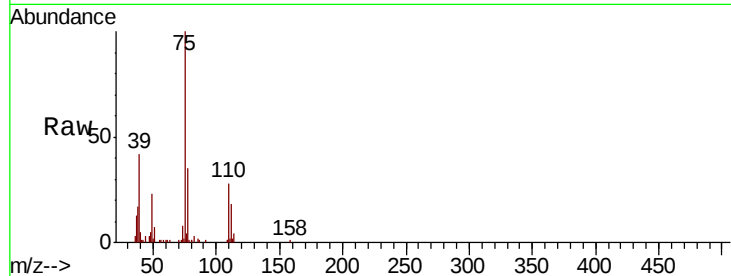
#53
t-1,3-Dichloropropene
Concen: 19.212 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion: 75 Resp: 49160
Ion Ratio Lower Upper
75 100
77 34.9 22.8 34.2#

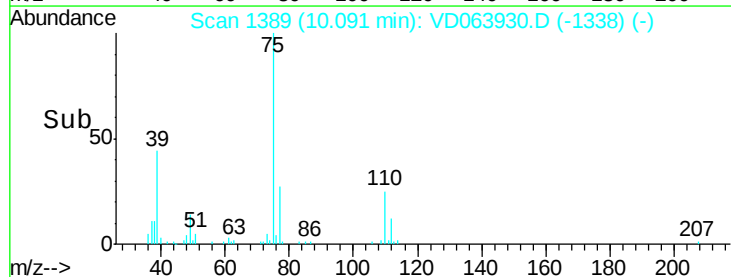
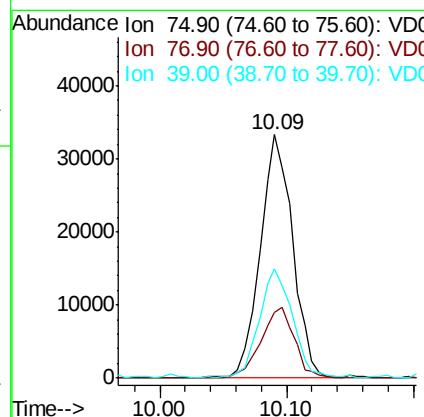
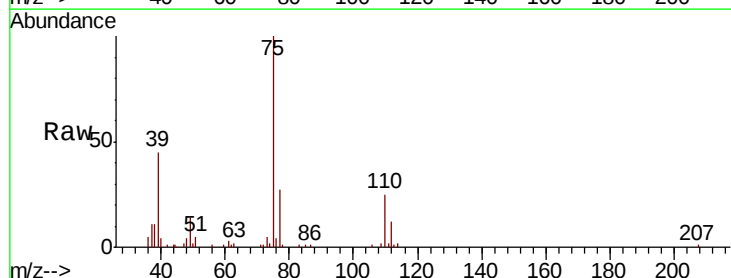
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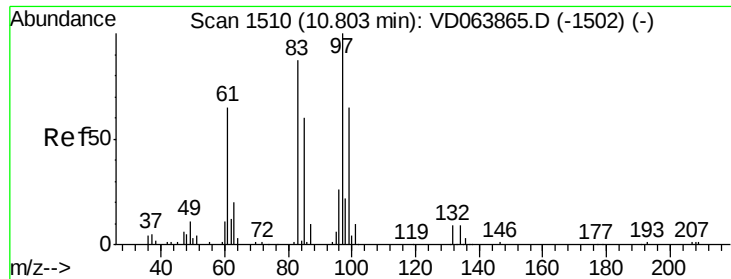
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#54
cis-1,3-Dichloropropene
Concen: 20.174 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 75 Resp: 59422
Ion Ratio Lower Upper
75 100
77 27.0 23.2 34.8
39 44.7 41.5 62.3





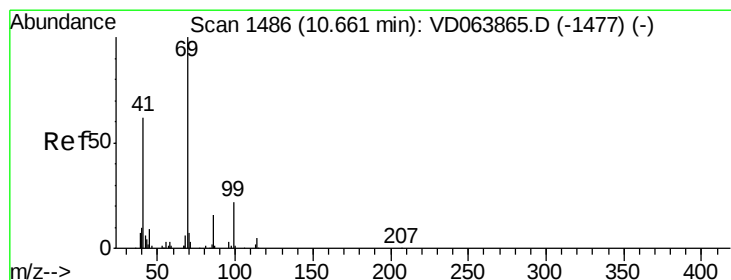
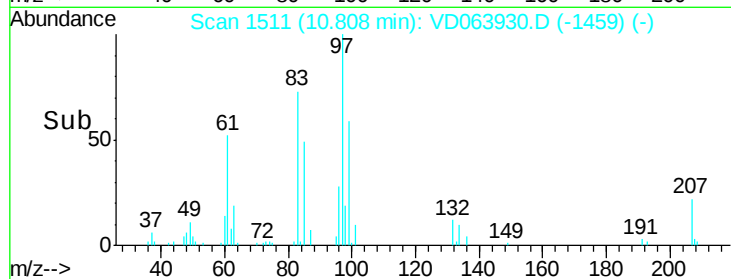
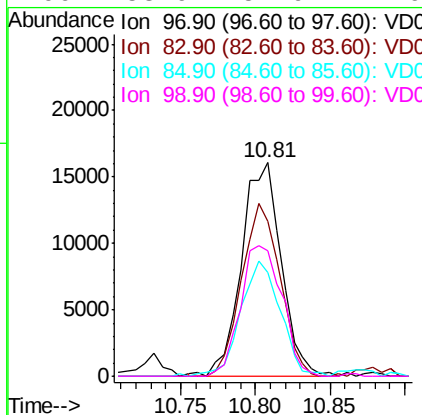
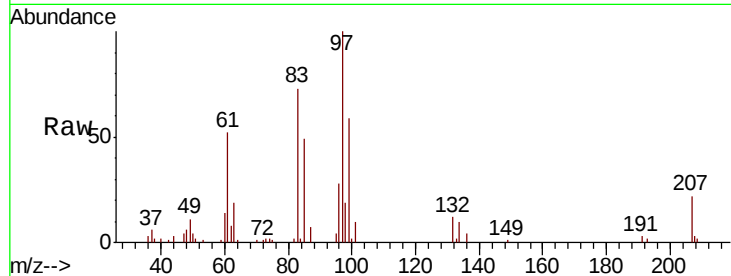
#55
 1,1,2-Trichloroethane
 Concen: 20.540 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion:	97	Resp:	29538
Ion	Ratio	Lower	Upper
97	100		
83	72.6	69.7	104.5
85	48.7	48.1	72.1
99	58.9	51.9	77.9

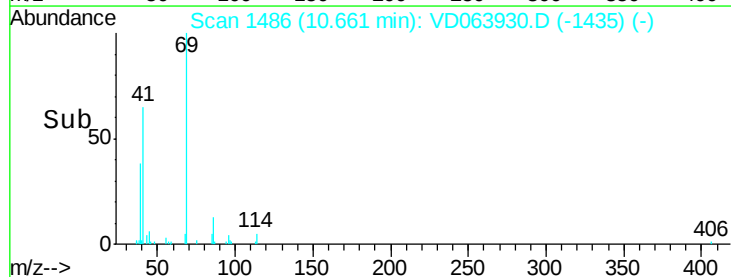
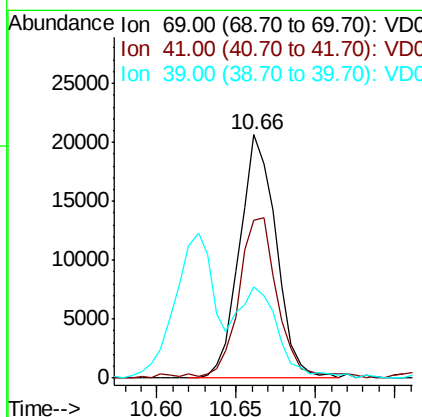
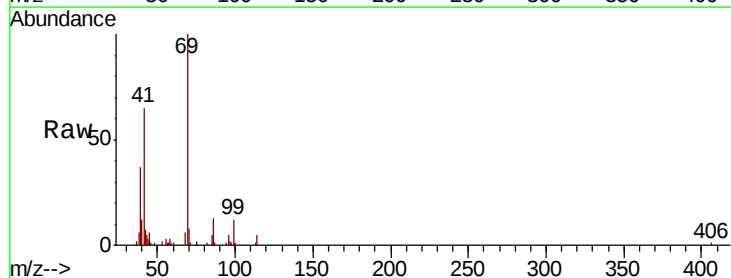
Manual Integrations
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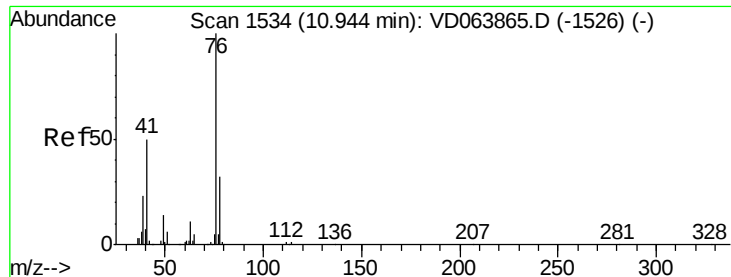
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#56
 Ethyl methacrylate
 Concen: 18.144 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion:	69	Resp:	33043
Ion	Ratio	Lower	Upper
69	100		
41	70.8	51.3	76.9
39	42.3	28.0	42.0#





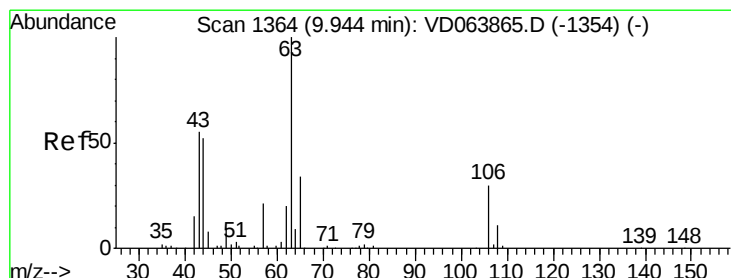
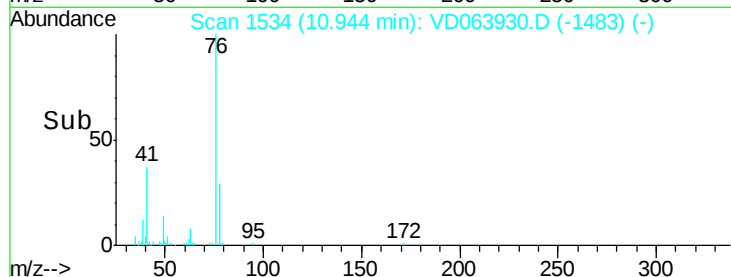
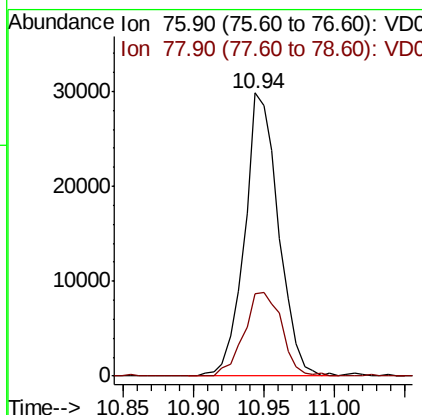
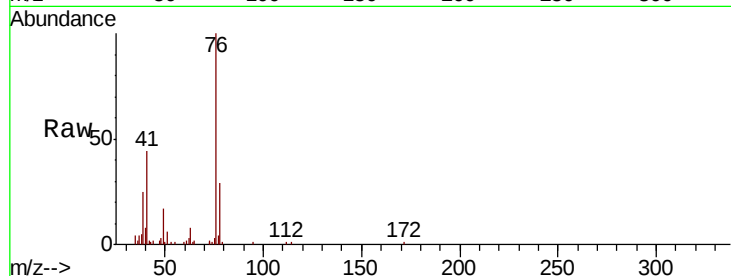
#57
 1,3-Dichloropropane
 Concen: 20.400 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.9	26.6	40.0

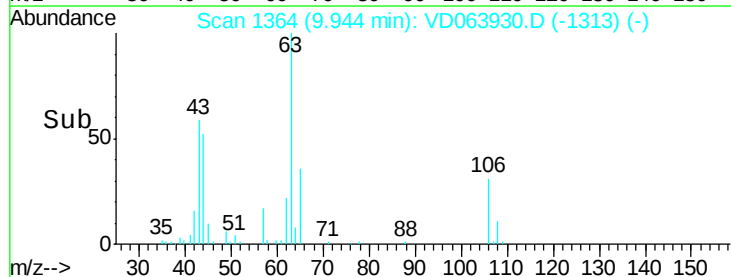
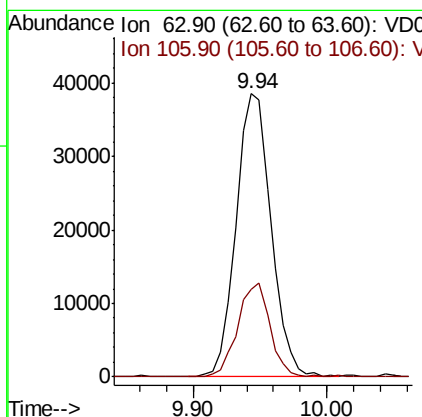
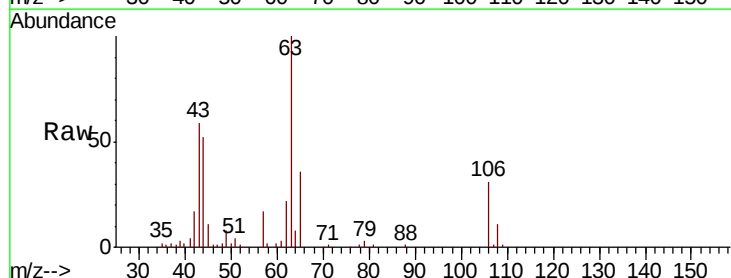
Manual Integrations
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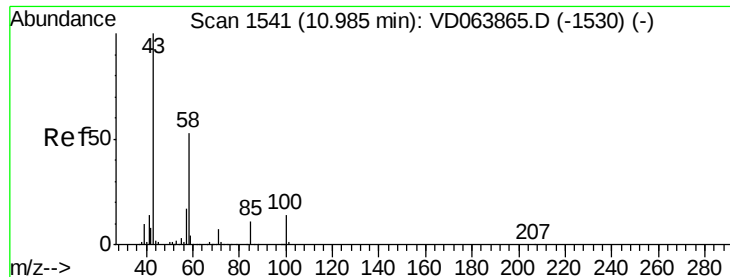
MMDadoda
 10/15/2019 4:13:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 89.020 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.3	36.5





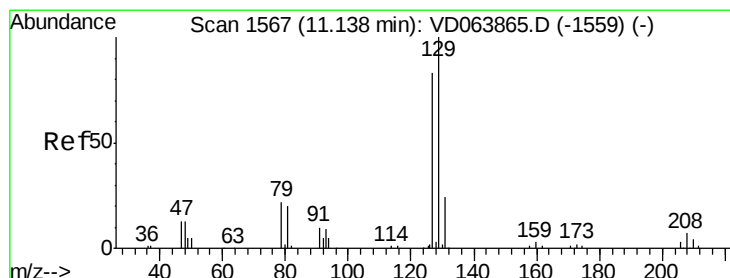
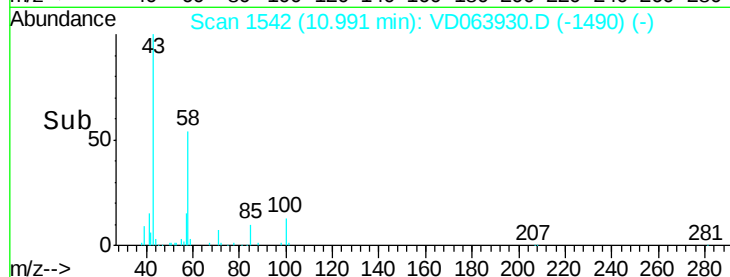
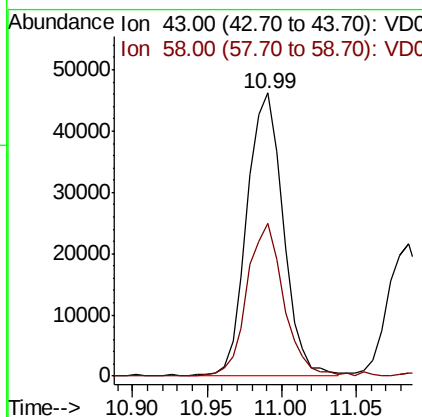
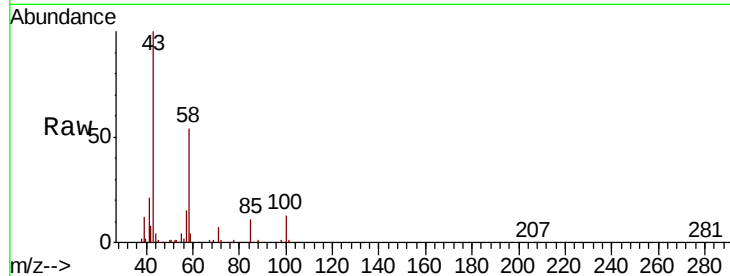
#59
2-Hexanone
Concen: 97.219 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion: 43 Resp: 77987
Ion Ratio Lower Upper
43 100
58 54.4 27.7 83.0

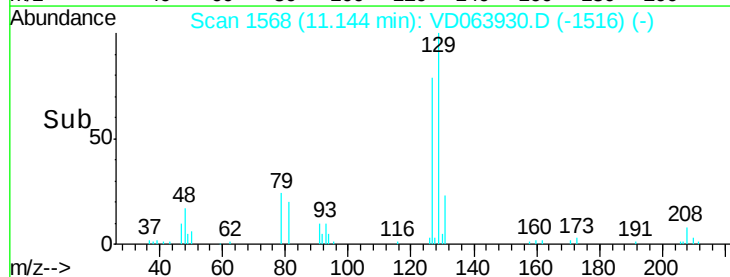
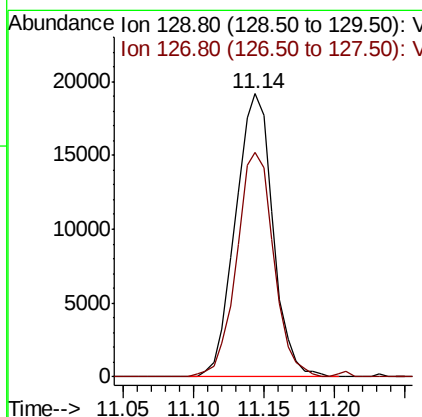
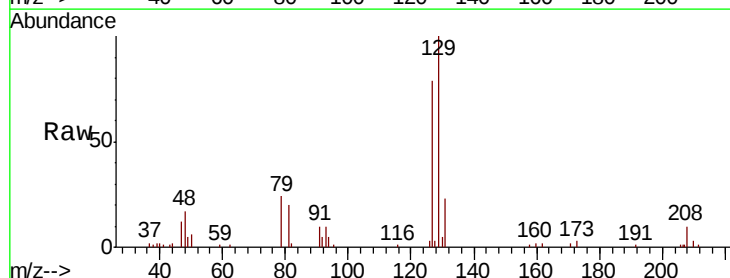
Manual Integrations
APPROVED

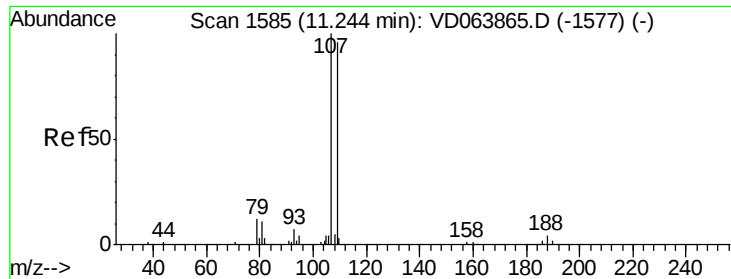
MMDadoda
10/15/2019 4:13:49 PM



#60
Dibromochloromethane
Concen: 18.988 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 129 Resp: 35551
Ion Ratio Lower Upper
129 100
127 78.5 39.9 119.6





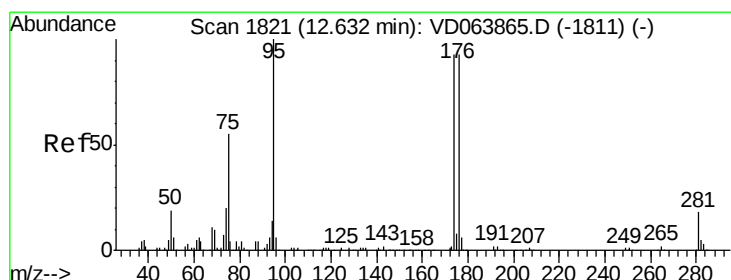
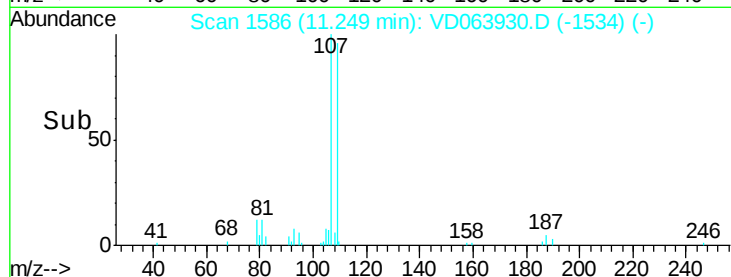
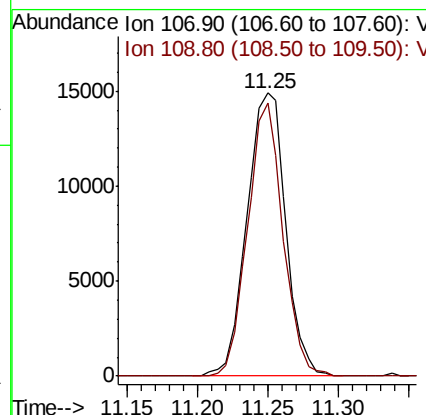
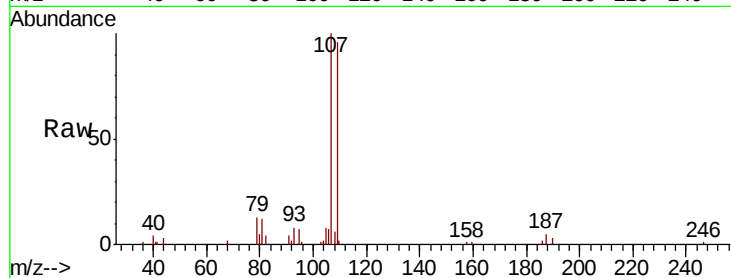
#61
1,2-Dibromoethane
Concen: 20.563 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBSD01

Tot Ion:107 Resp: 28668
Ion Ratio Lower Upper
107 100
109 87.6 75.2 112.8

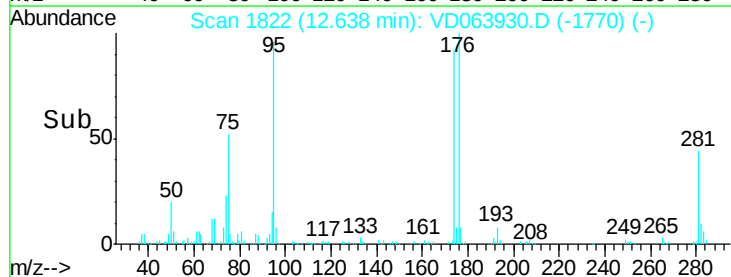
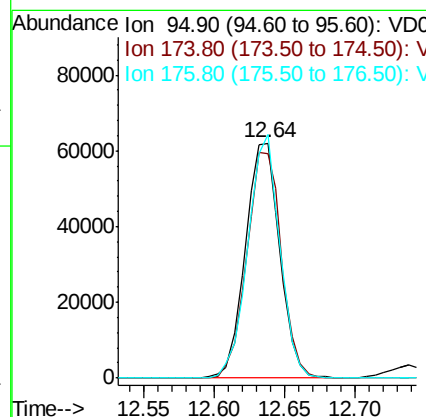
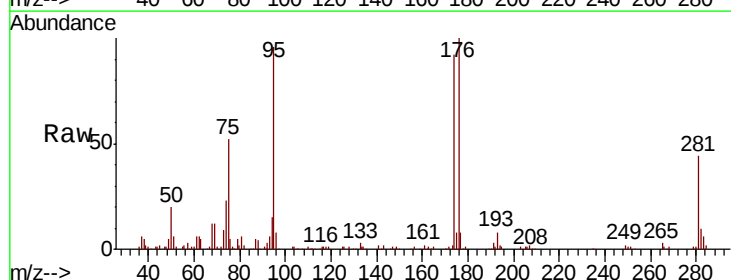
Manual Integrations
APPROVED

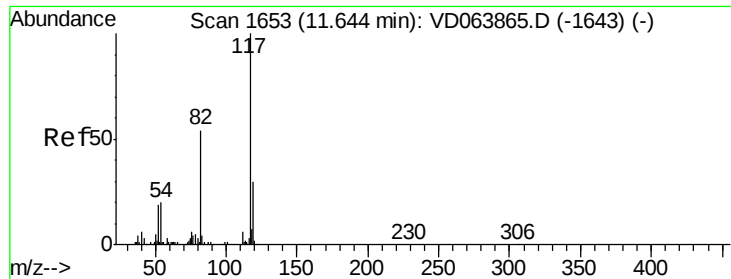
MMDadoda
10/15/2019 4:13:49 PM



#62
4-Bromofluorobenzene
Concen: 43.909 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion: 95 Resp: 105542
Ion Ratio Lower Upper
95 100
174 97.0 0.0 186.4
176 96.8 0.0 184.2





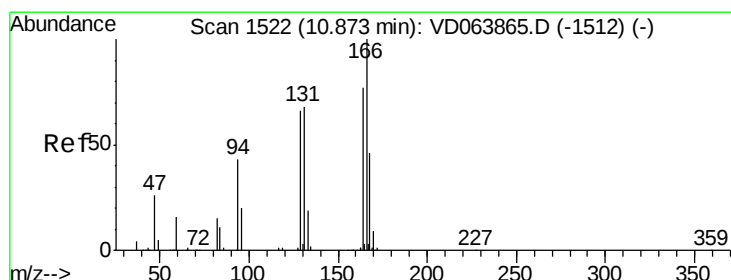
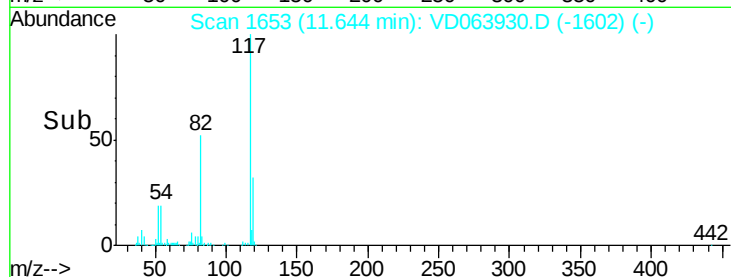
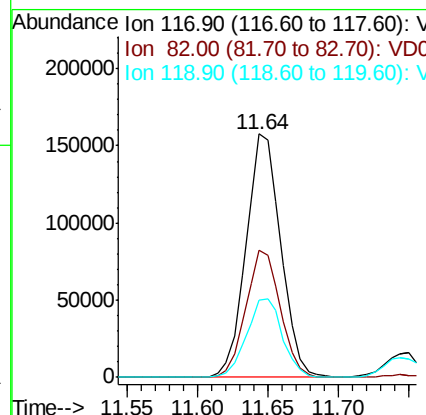
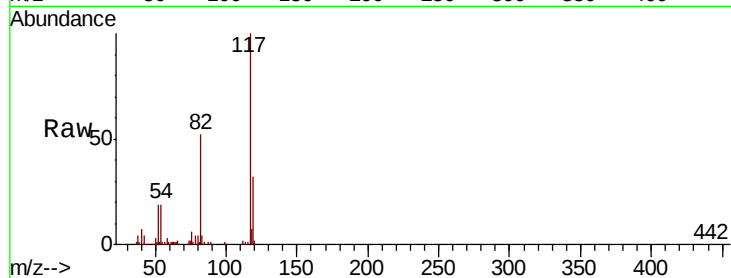
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	42.8	64.2
119	31.8	24.4	36.6

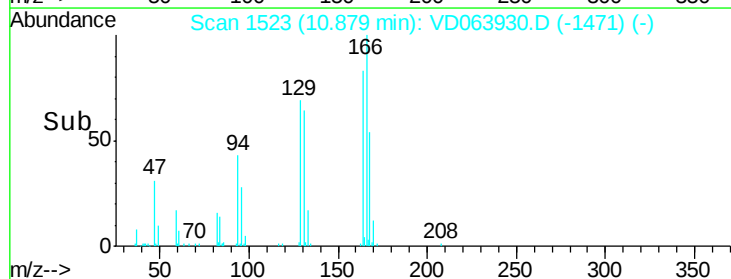
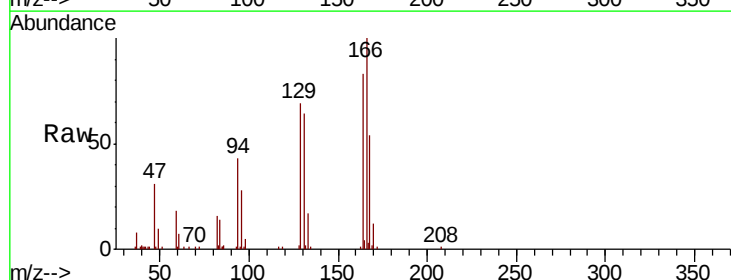
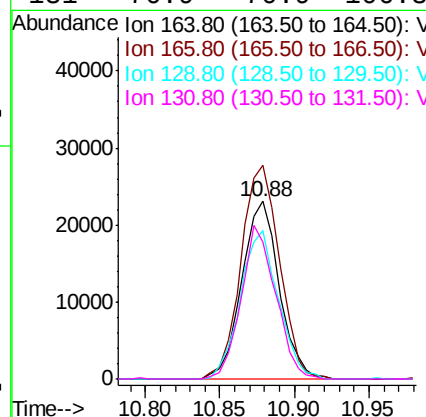
Manual Integrations
APPROVED

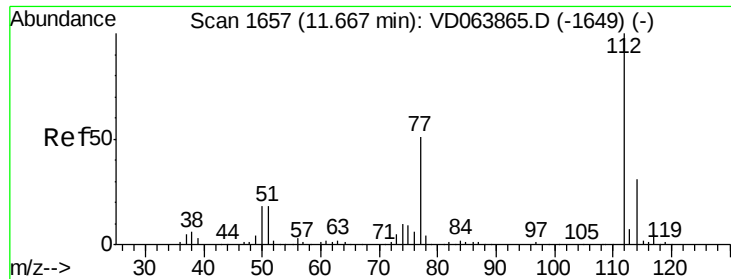
MMDadoda
10/15/2019 4:13:49 PM



#64
Tetrachloroethene
Concen: 21.624 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.2	103.8	155.6
129	83.5	68.9	103.3
131	76.9	70.9	106.3





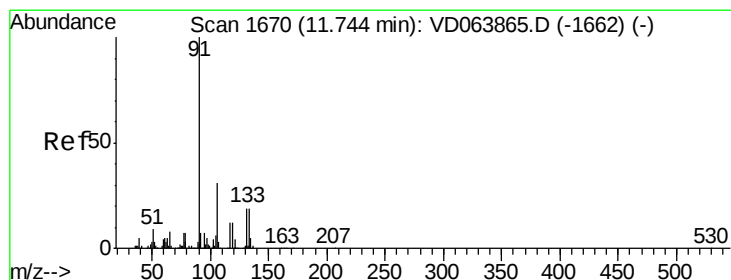
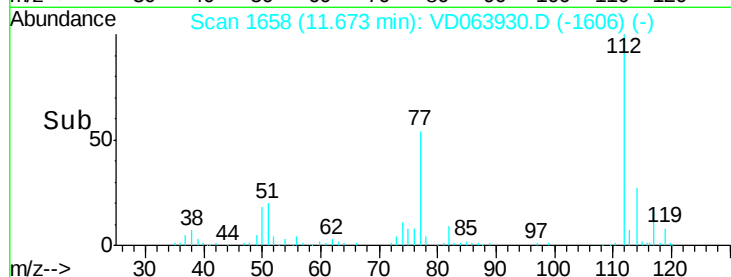
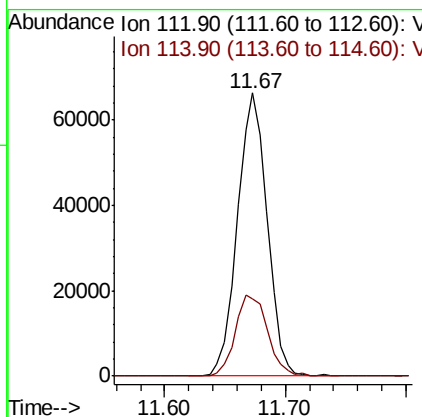
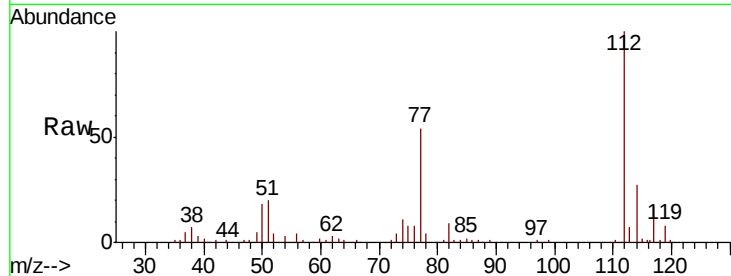
#65
Chlorobenzene
Concen: 20.916 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion:112 Resp: 114231
Ion Ratio Lower Upper
112 100
114 27.5 25.1 37.7

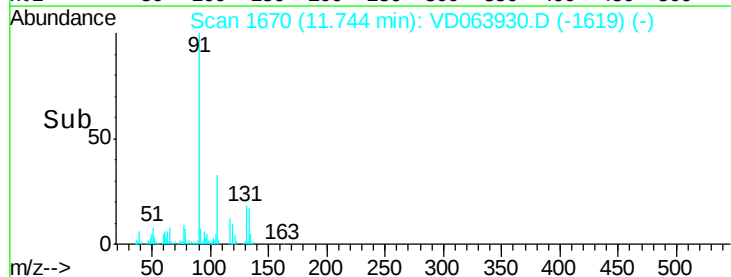
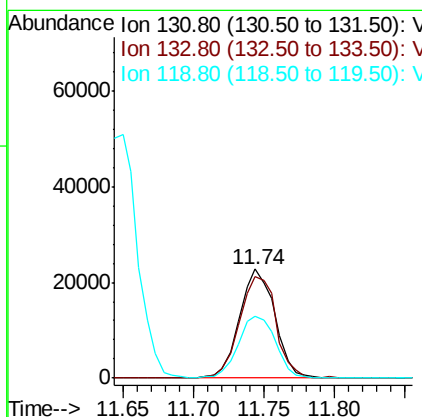
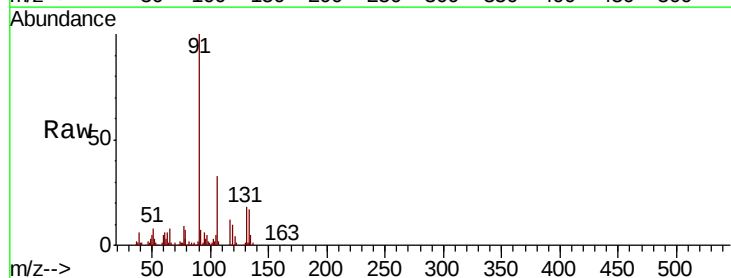
Manual Integrations
APPROVED

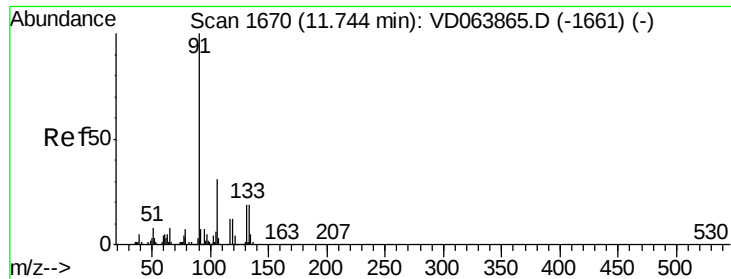
MMDadoda
10/15/2019 4:13:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.963 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion:131 Resp: 40172
Ion Ratio Lower Upper
131 100
133 95.0 48.9 146.7
119 60.0 32.6 97.8





#67

Ethyl Benzene

Concen: 21.121 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 91 Resp: 207991

Ion Ratio Lower Upper

91 100

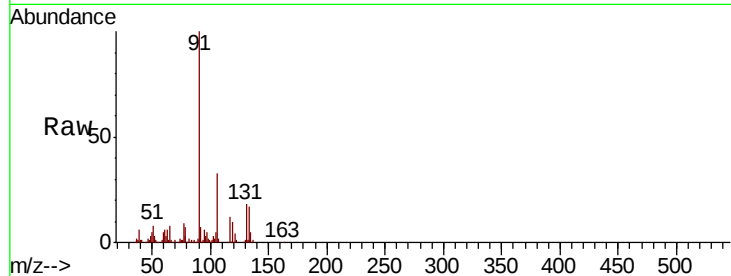
106 32.8 24.6 37.0

Manual Integrations

APPROVED

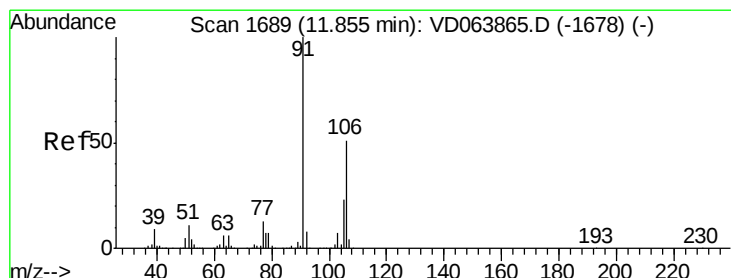
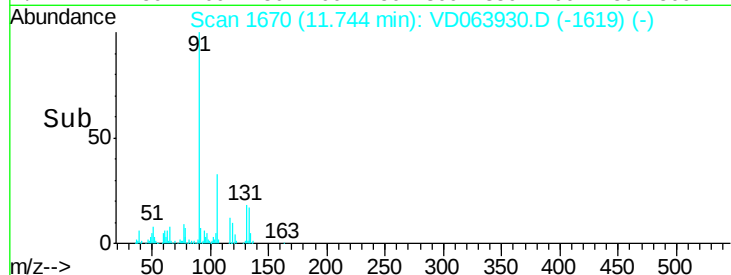
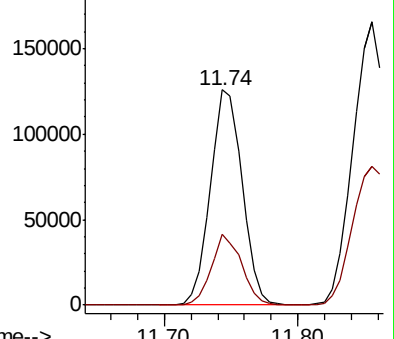
MMDadoda

10/15/2019 4:13:49 PM



Abundance Ion 91.00 (90.70 to 91.70): VD063930.D (-1619) (-)

Ion 106.00 (105.70 to 106.70): VD063930.D (-1619) (-)



#68

m/p-Xylenes

Concen: 42.026 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD063930.D

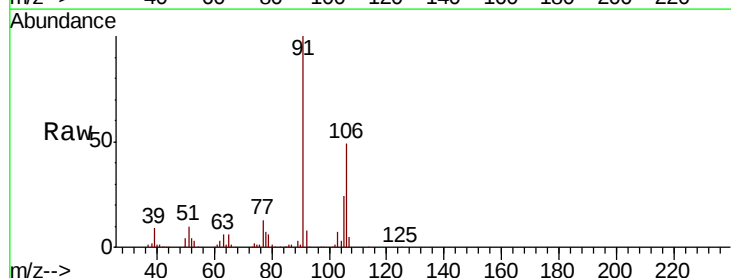
Acq: 11 Oct 2019 11:56

Tgt Ion: 106 Resp: 159741

Ion Ratio Lower Upper

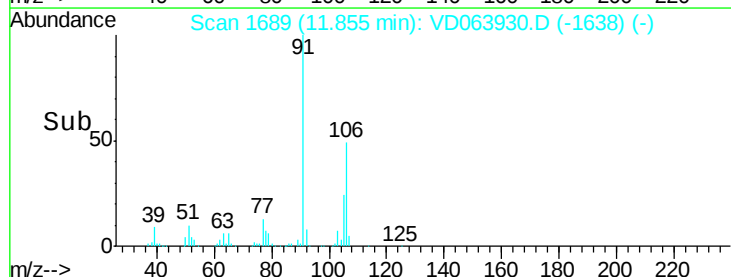
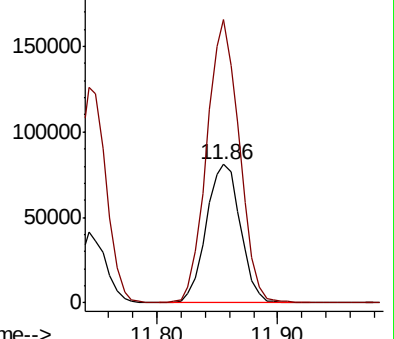
106 100

91 194.5 154.8 232.2



Abundance Ion 106.00 (105.70 to 106.70): VD063930.D (-1638) (-)

Ion 91.00 (90.70 to 91.70): VD063930.D (-1638) (-)





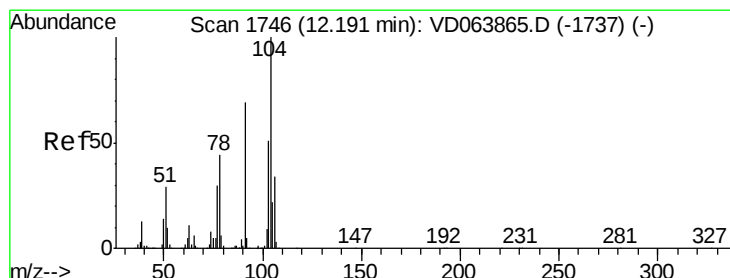
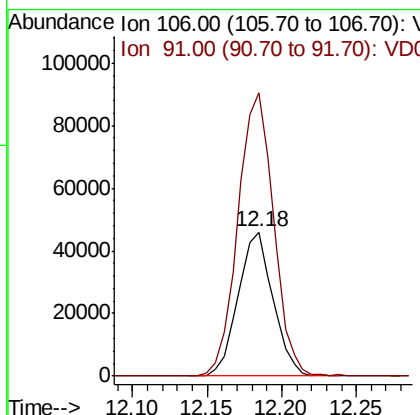
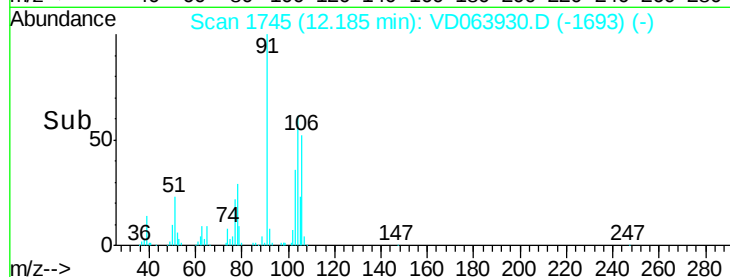
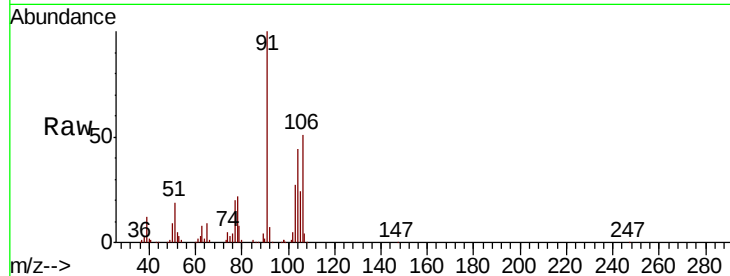
#69
o-Xylene
Concen: 20.529 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion:106 Resp: 74720
Ion Ratio Lower Upper
106 100
91 200.3 103.9 311.7

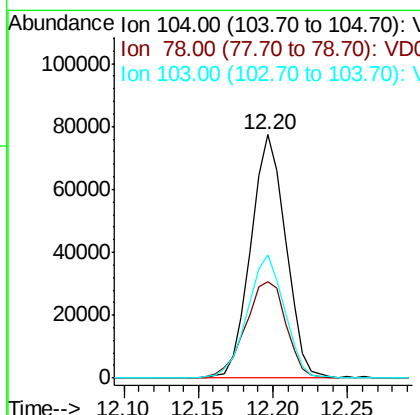
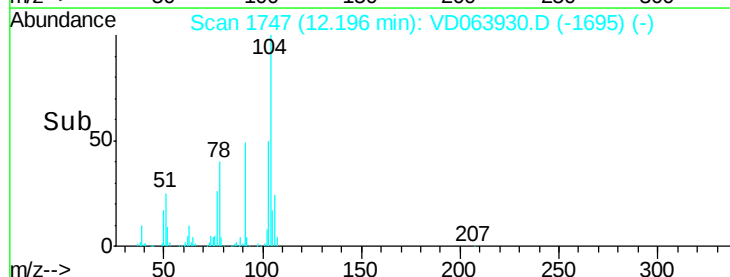
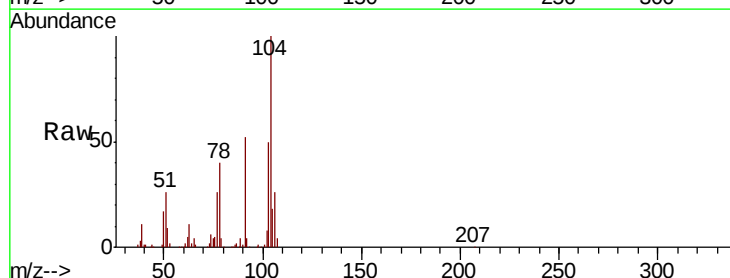
Manual Integrations
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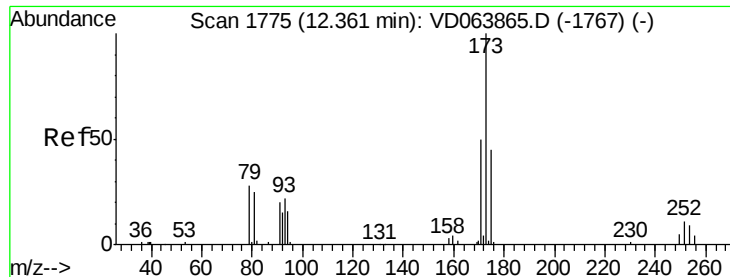
MMDadoda
10/15/2019 4:13:49 PM



#70
Styrene
Concen: 20.337 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion:104 Resp: 125302
Ion Ratio Lower Upper
104 100
78 46.2 37.0 55.4
103 53.7 44.2 66.4





#71

Bromoform

Concen: 19.472 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion:173 Resp: 21029

Ion Ratio Lower Upper

173 100

175 44.5 24.6 74.0

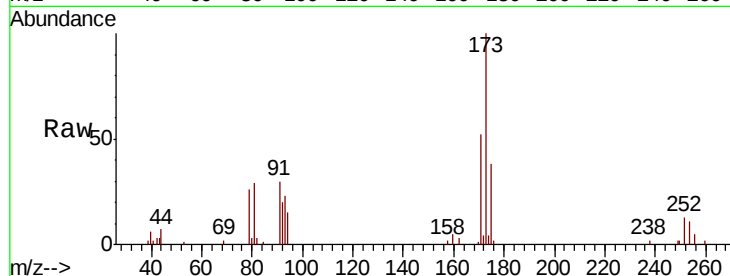
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

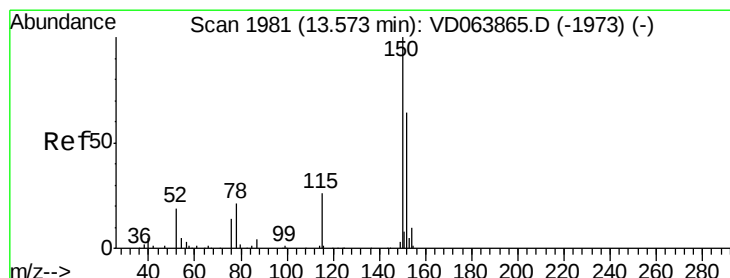
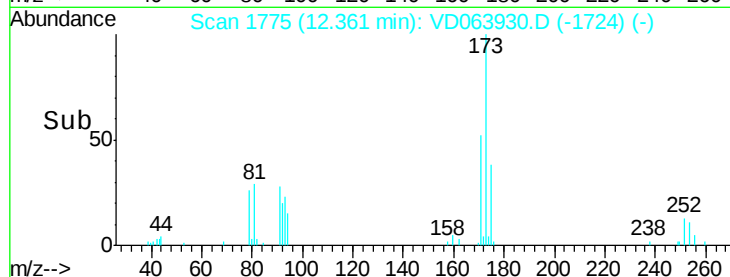
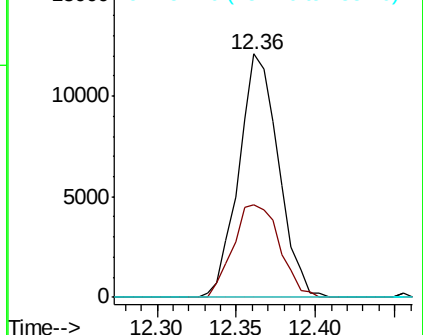
10/15/2019 4:13:49 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

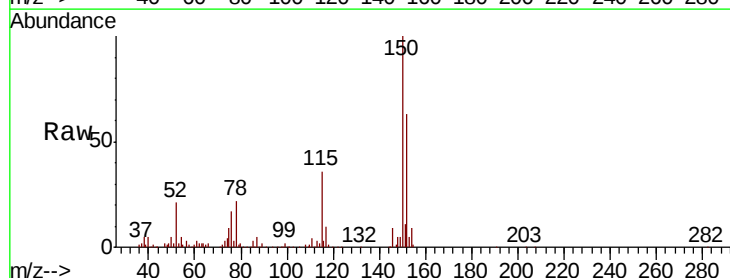
Tgt Ion:152 Resp: 143382

Ion Ratio Lower Upper

152 100

115 54.7 25.9 77.7

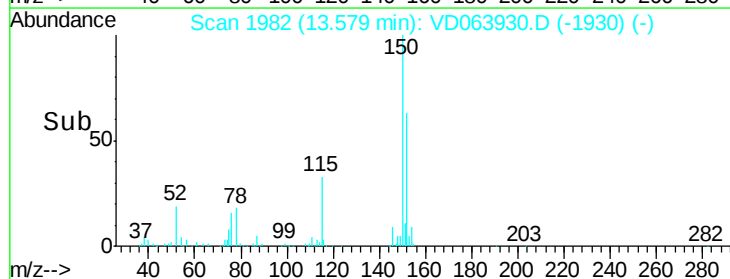
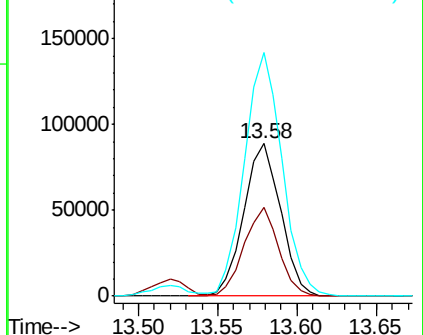
150 164.3 0.0 344.2

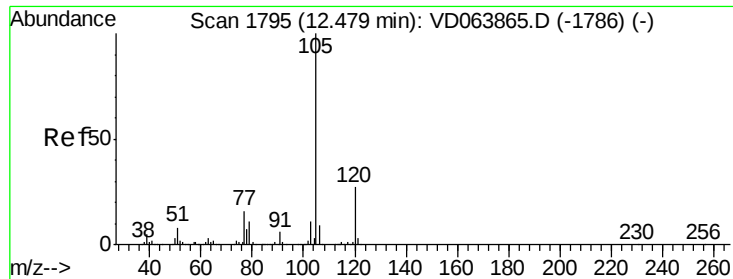


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.656 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 105 Resp: 199103

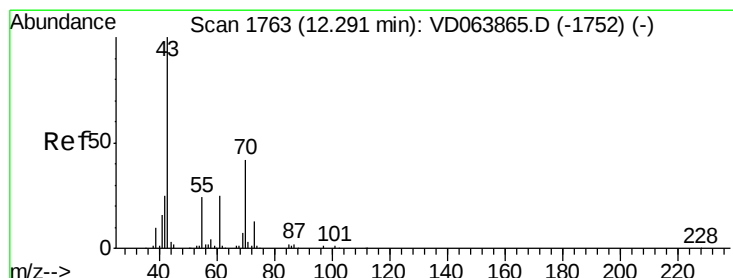
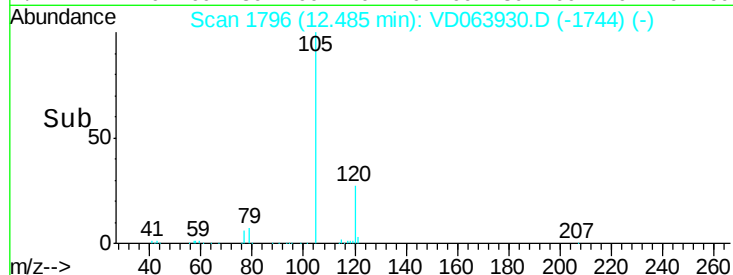
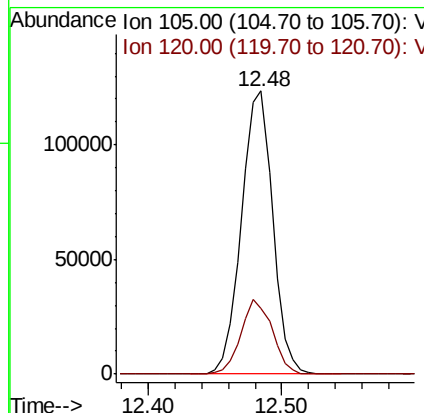
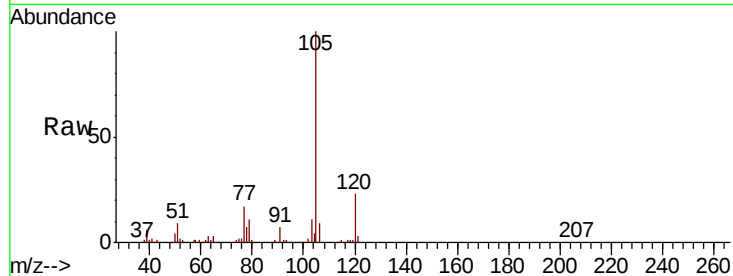
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.8

Manual Integrations
APPROVED

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#74

N-ethyl acetate

Concen: 19.084 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion: 43 Resp: 39605

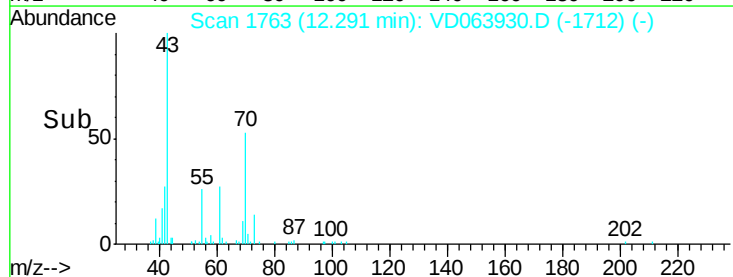
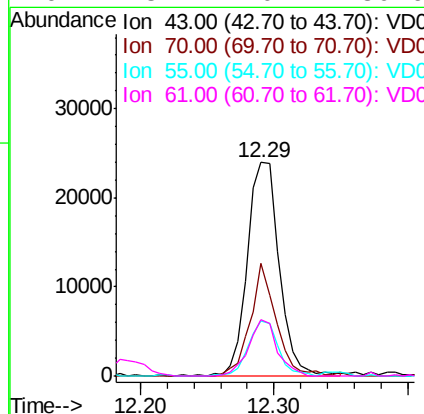
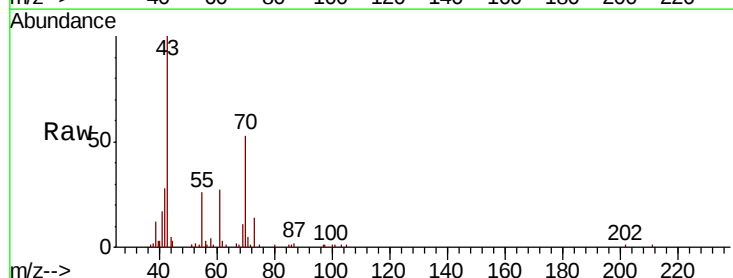
Ion Ratio Lower Upper

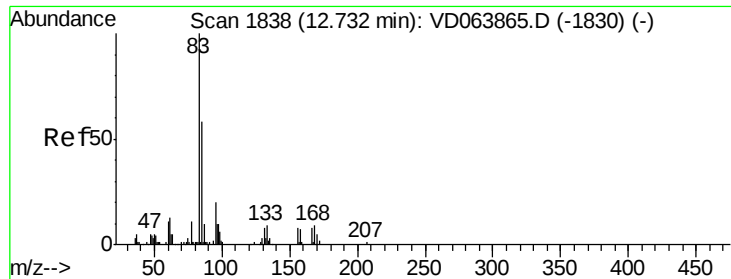
43 100

70 42.5 35.8 53.6

55 24.2 19.4 29.0

61 23.7 20.4 30.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.351 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

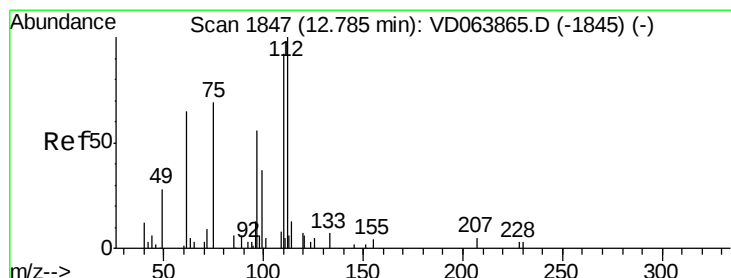
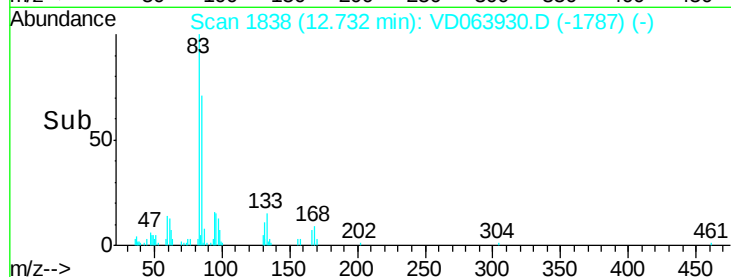
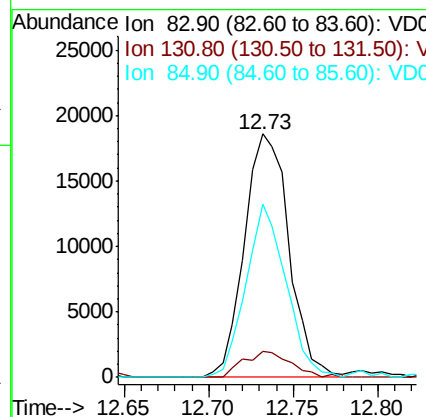
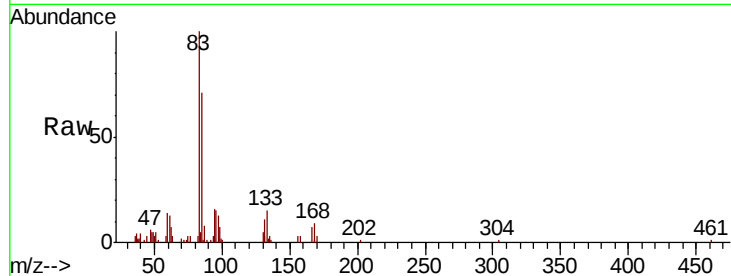
ClientSampleId :

VD1011SBS01

Tot Ion:	83	Resp:	34134
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.6	16.8
85	63.9	32.3	96.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 23.295 ug/l m

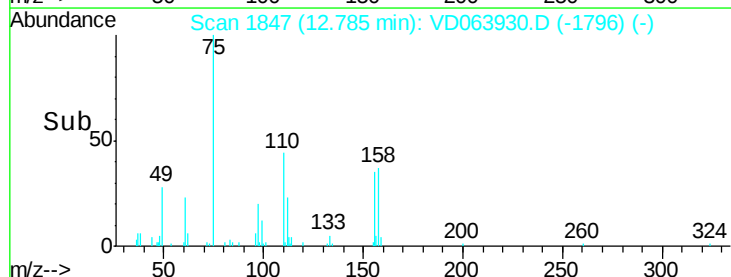
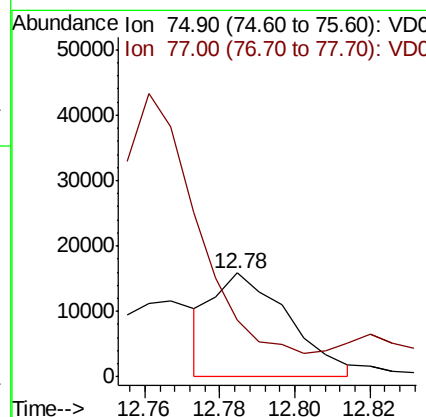
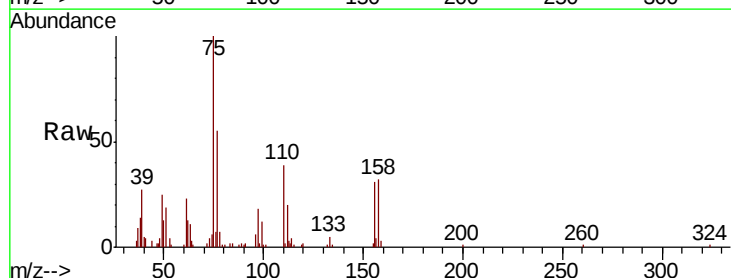
RT: 12.78 min Scan# 1847

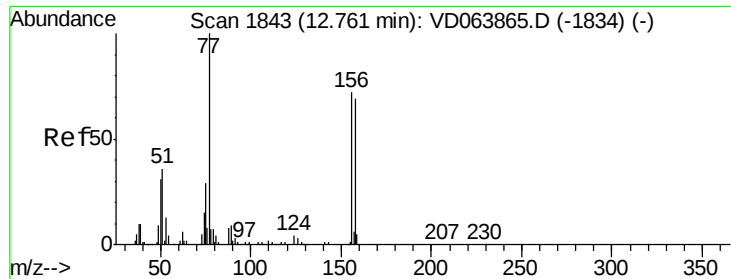
Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion:	75	Resp:	22371
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





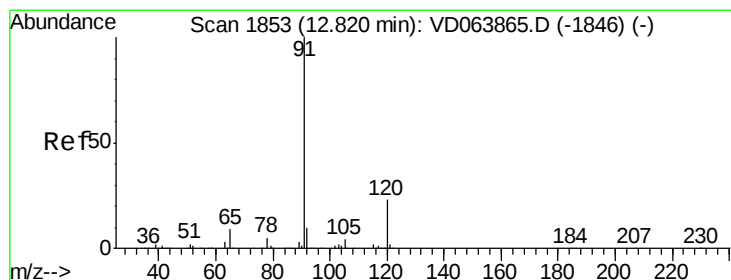
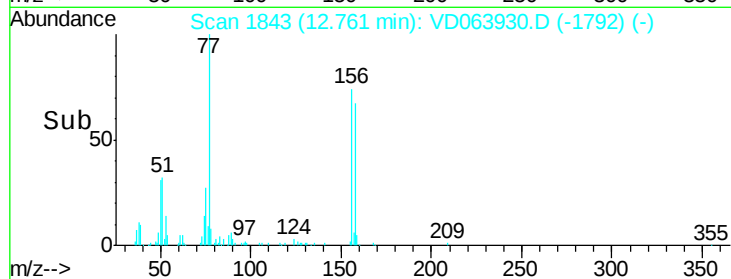
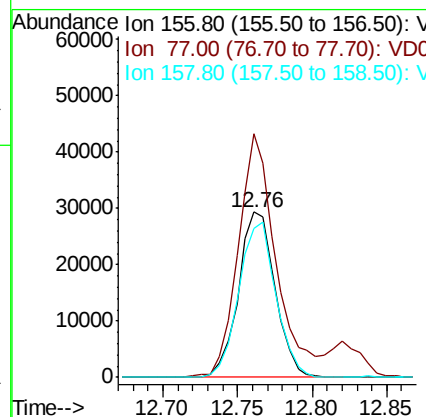
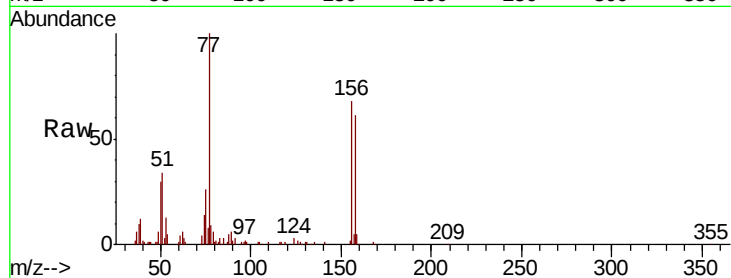
#77
Bromobenzene
Concen: 20.824 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	151.0	80.3	241.0
158	95.1	47.4	142.2

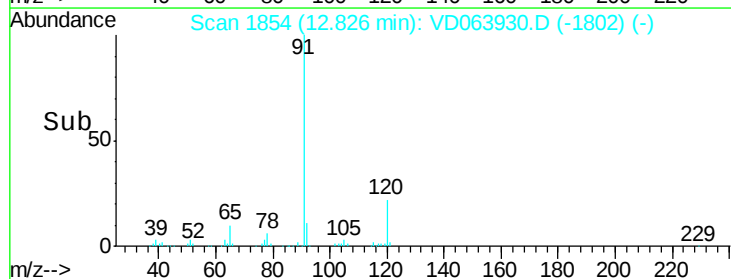
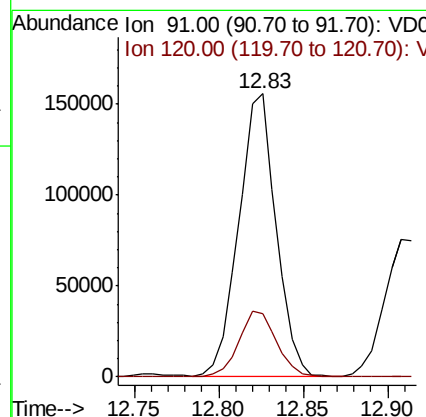
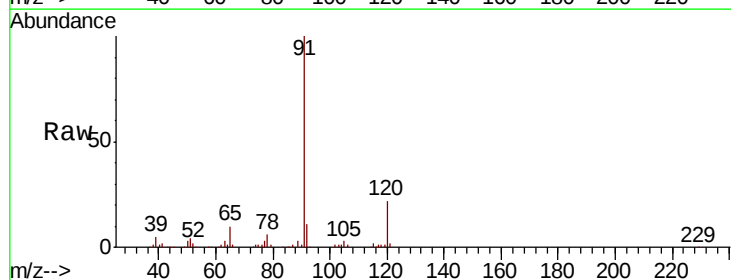
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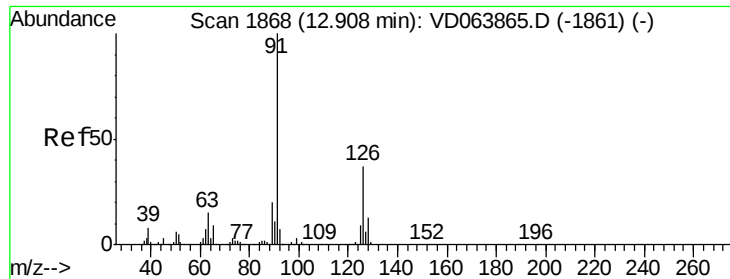
MMDadoda
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#78
n-propylbenzene
Concen: 21.175 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	12.0	36.0





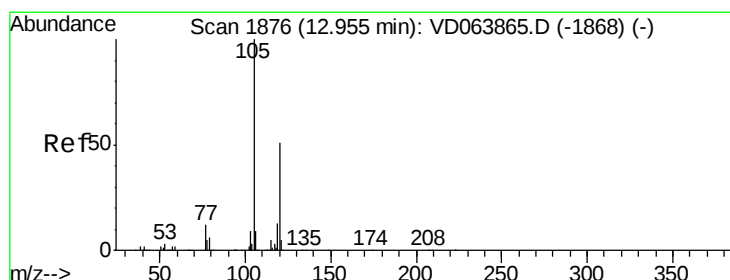
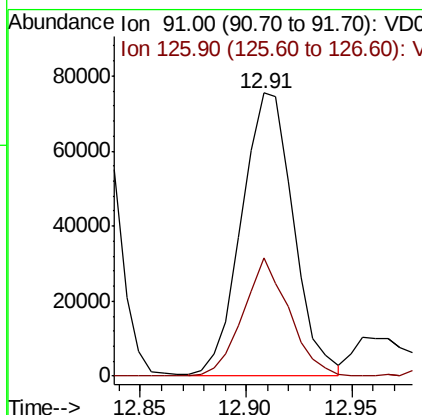
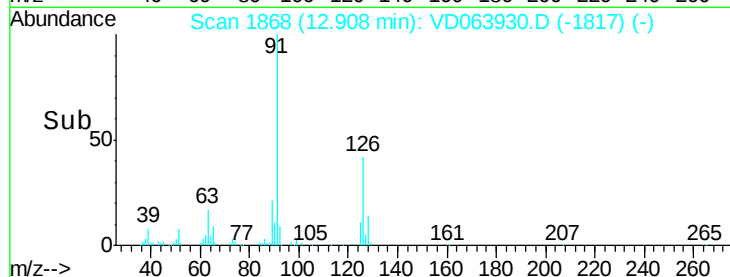
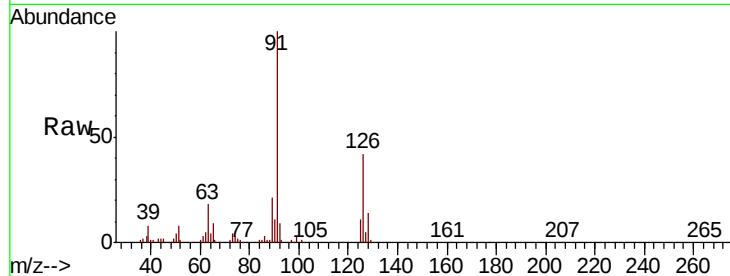
#79
 2-Chlorotoluene
 Concen: 20.576 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion: 91 Resp: 128361
 Ion Ratio Lower Upper
 91 100
 126 37.6 18.4 55.2

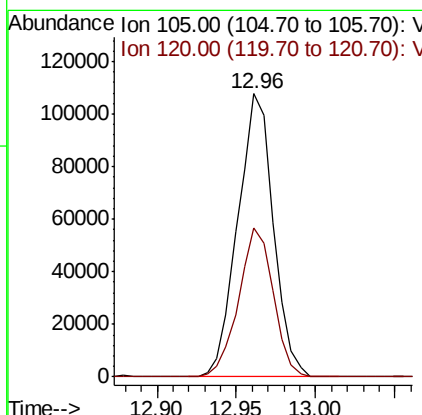
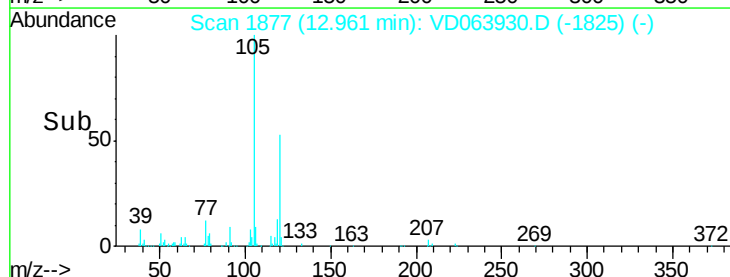
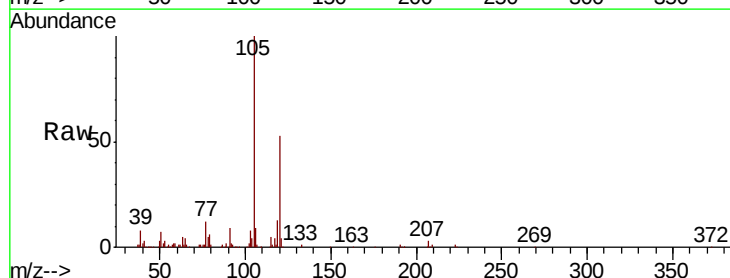
Manual Integrations
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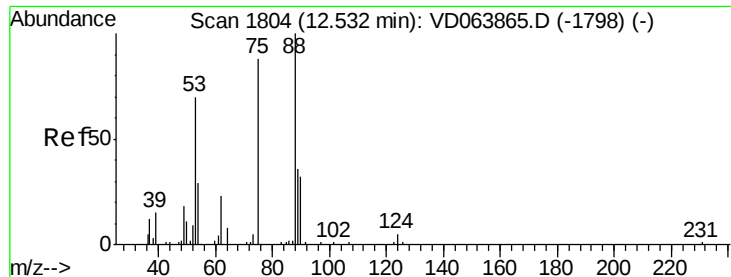
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.878 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion: 105 Resp: 167890
 Ion Ratio Lower Upper
 105 100
 120 51.1 25.9 77.8





#81

trans-1,4-Dichloro-2-butene

Concen: 17.736 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

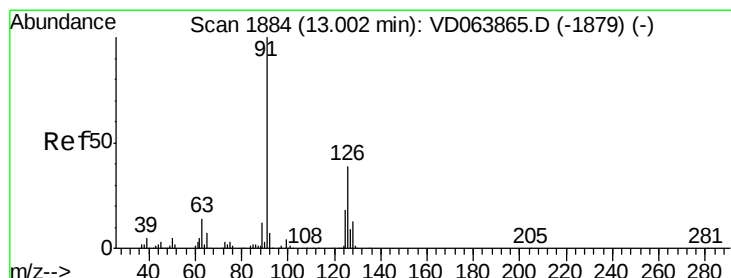
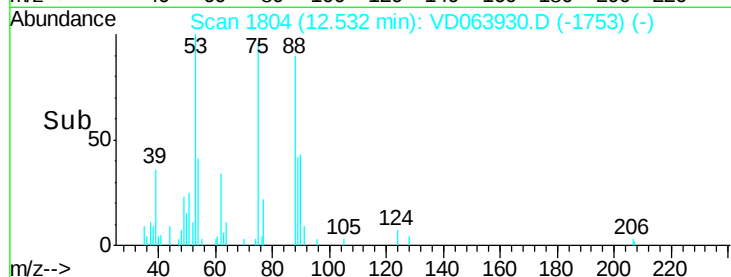
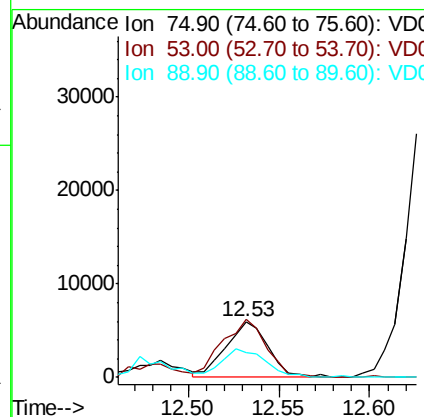
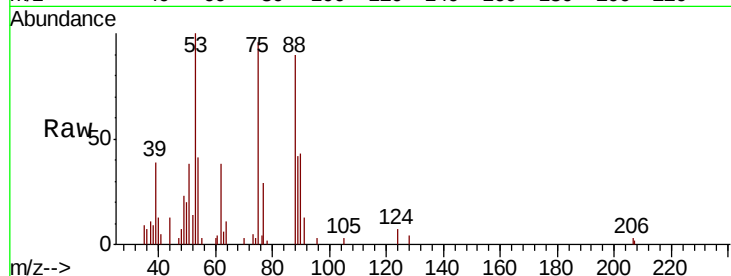
ClientSampleId :

VD1011SBS001

Tot Ion:	75	Resp:	9625
Ion	Ratio	Lower	Upper
75	100		
53	109.1	75.0	112.6
89	51.8	38.2	57.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.507 ug/l

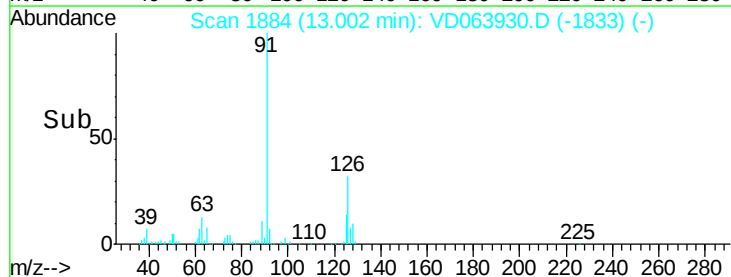
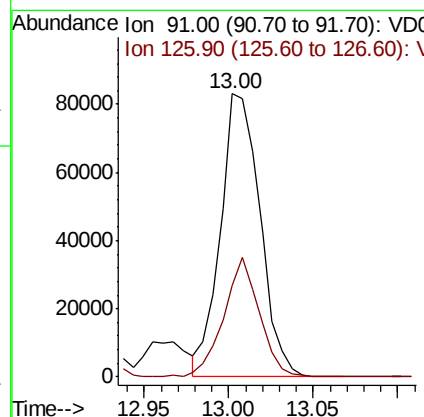
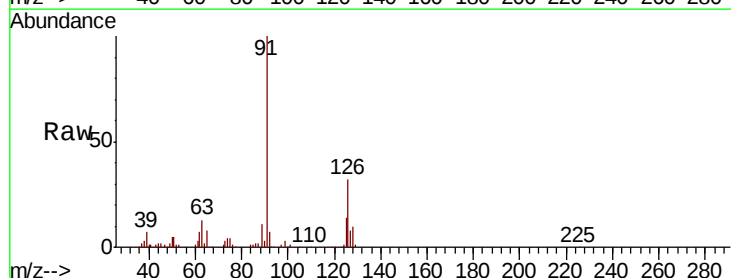
RT: 13.00 min Scan# 1884

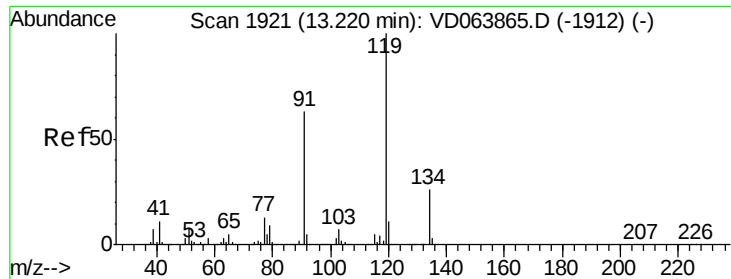
Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion:	91	Resp:	135712
Ion	Ratio	Lower	Upper
91	100		
126	37.8	18.6	55.8





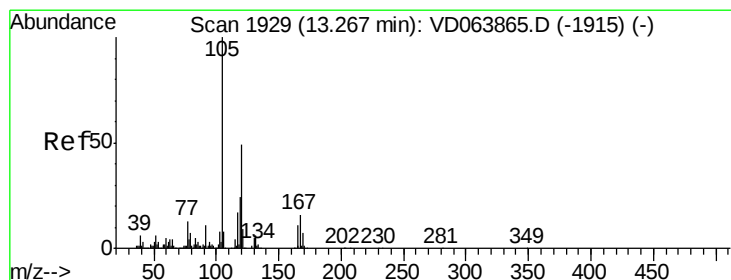
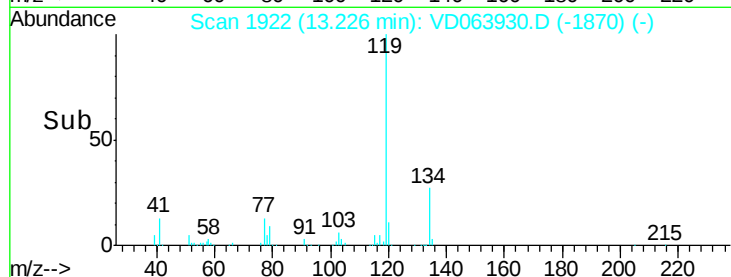
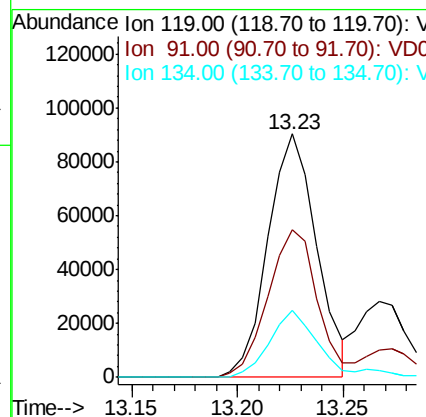
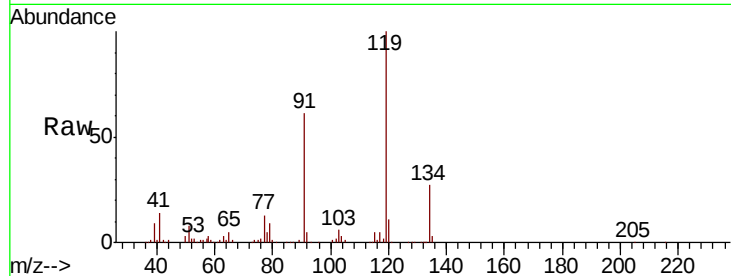
#83
tert-Butylbenzene
Concen: 20.259 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.0	90.0
134	26.4	13.0	38.9

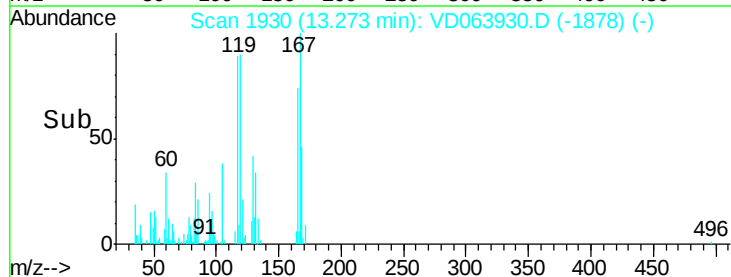
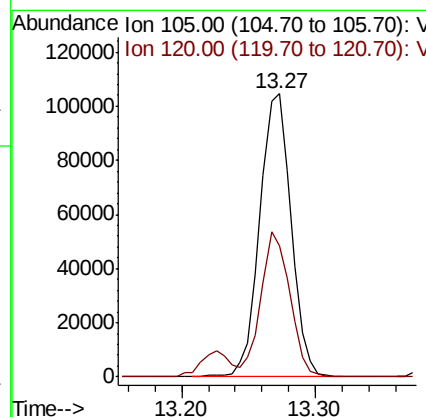
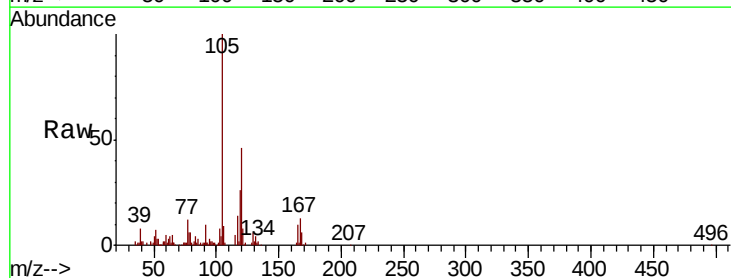
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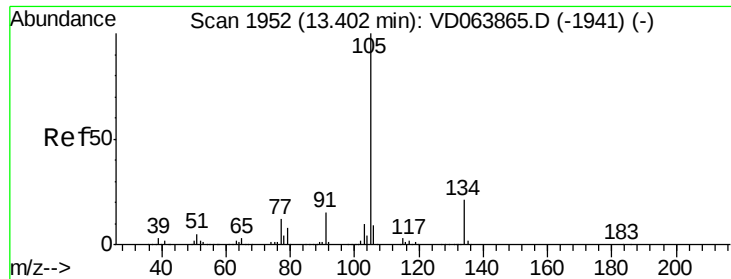
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.479 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.5





#85

sec-Butylbenzene

Concen: 21.902 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion:105 Resp: 211680

Ion Ratio Lower Upper

105 100

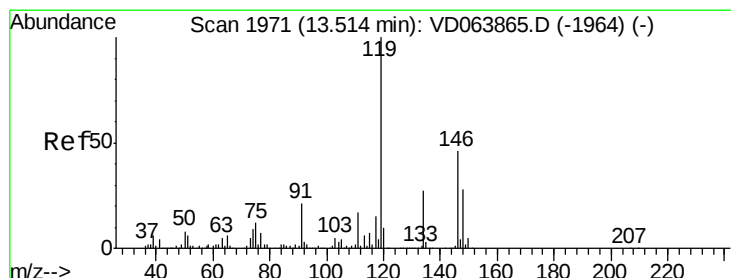
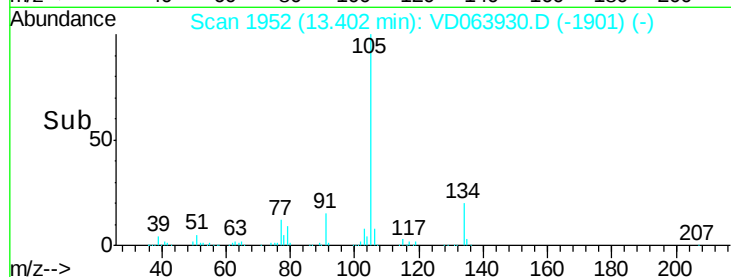
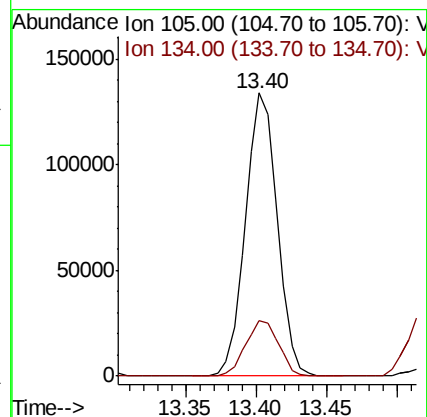
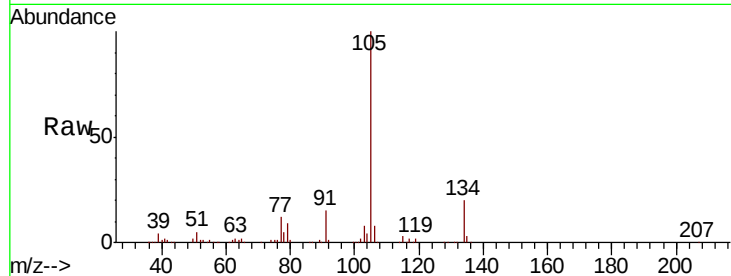
134 20.4 10.6 31.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.579 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

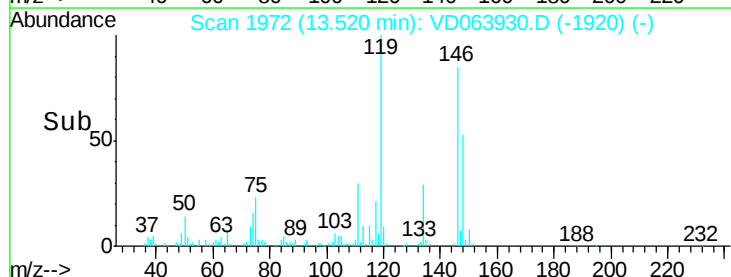
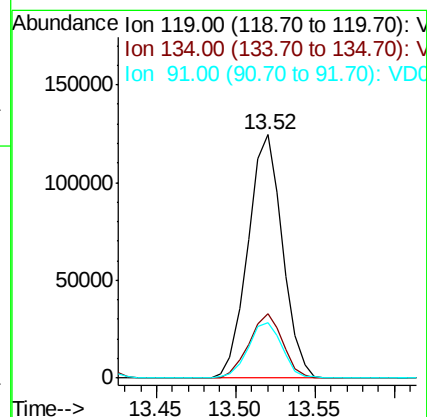
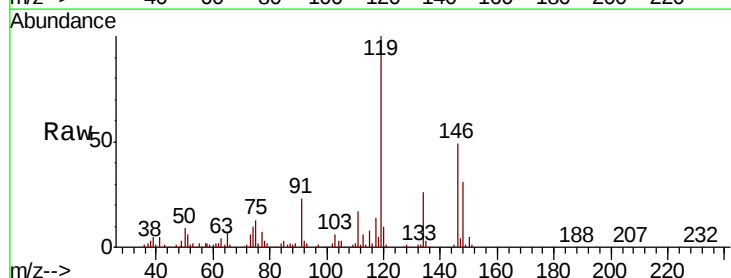
Tgt Ion:119 Resp: 188203

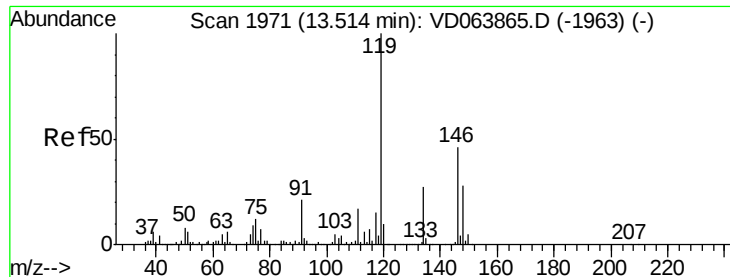
Ion Ratio Lower Upper

119 100

134 25.8 13.9 41.6

91 23.0 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 20.116 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

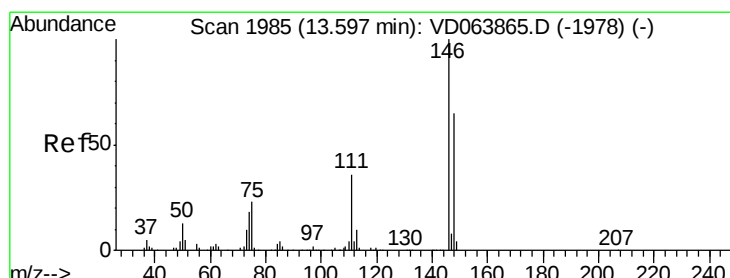
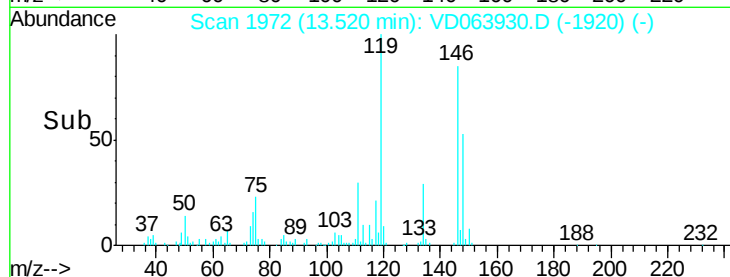
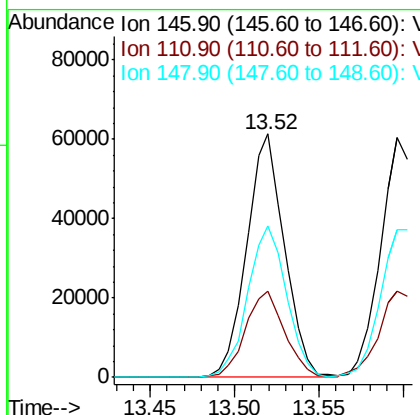
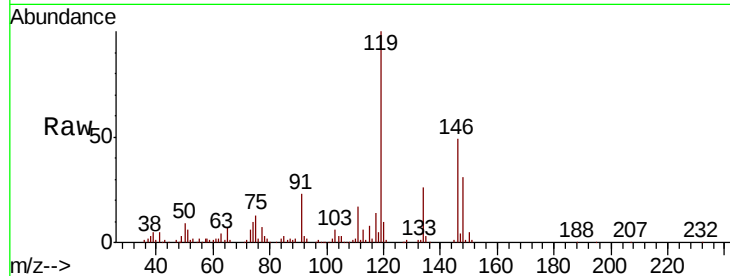
Instrument :
MSVOA_D

ClientSampleId :
VD1011SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.3	54.9
148	64.1	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.446 ug/l

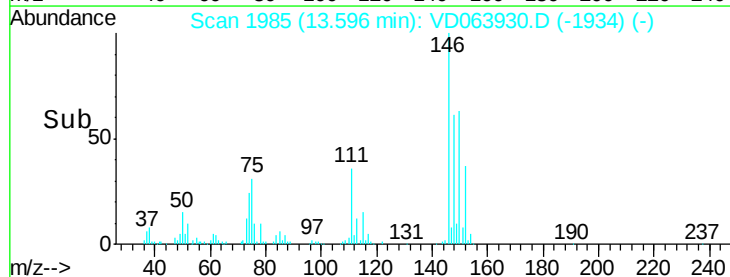
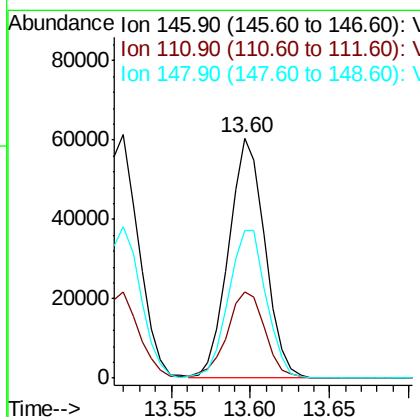
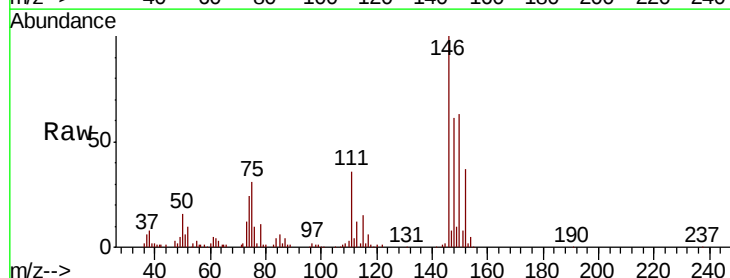
RT: 13.60 min Scan# 1985

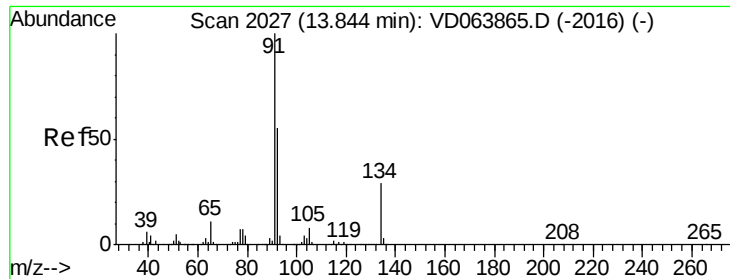
Delta R.T. -0.00 min

Lab File: VD063930.D

Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	56.0
148	64.4	32.6	98.0





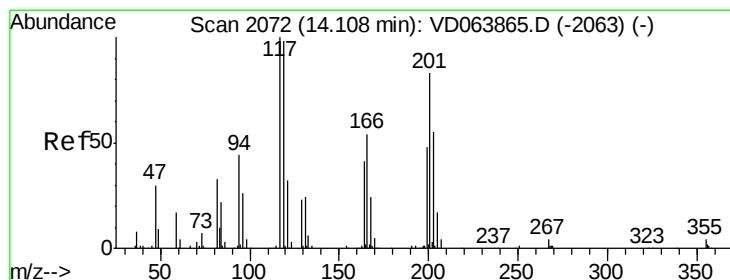
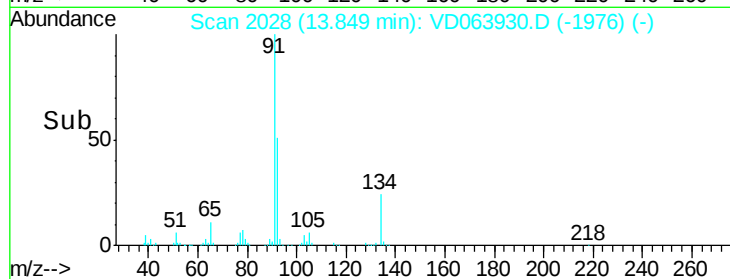
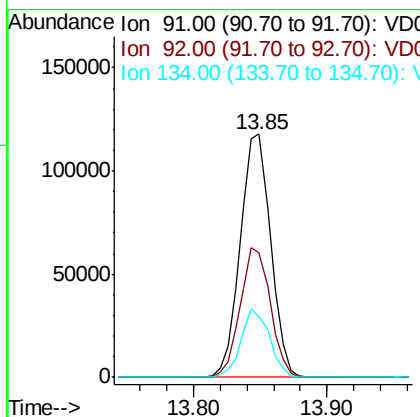
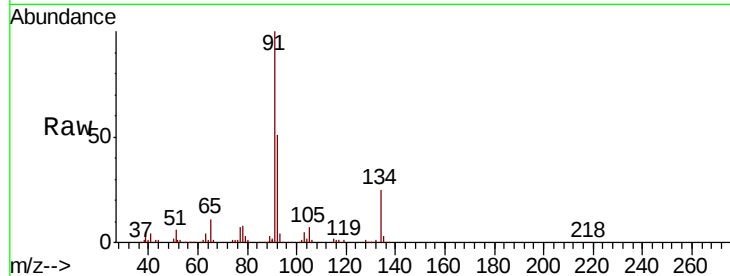
#89
n-Butylbenzene
Concen: 21.784 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		185446		
92	52.6	26.8	80.3		
134	26.5	14.4	43.0		

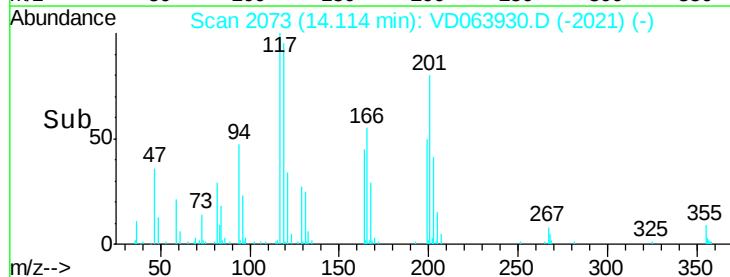
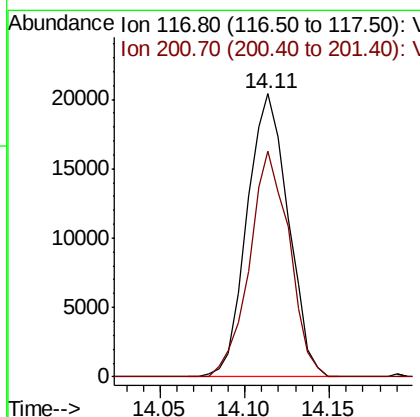
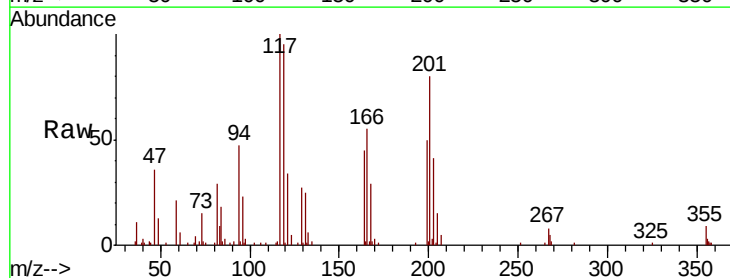
Manual Integrations
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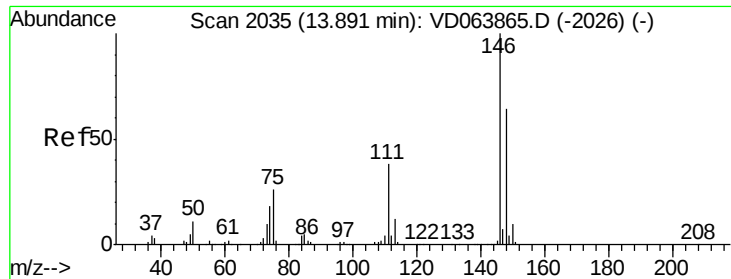
MMDadoda
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#90
Hexachloroethane
Concen: 20.994 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		34532		
201	77.3	40.6	121.7		





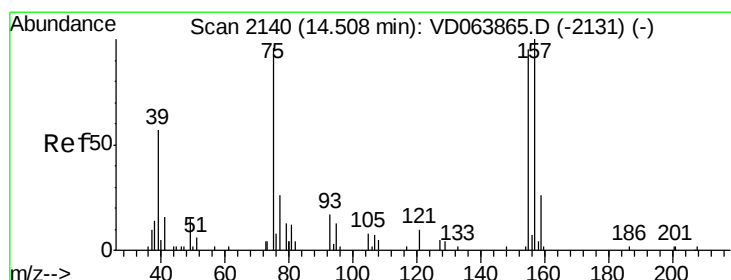
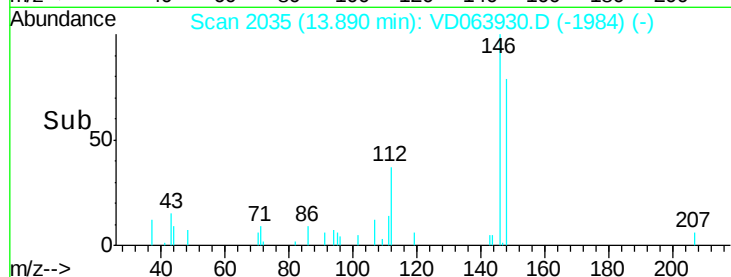
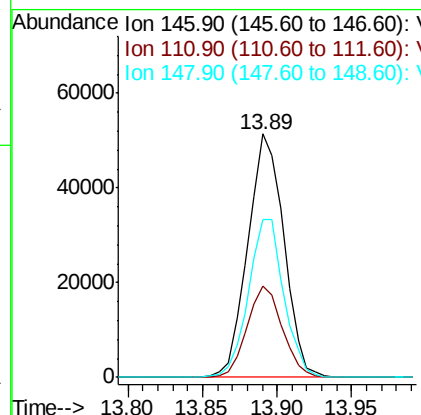
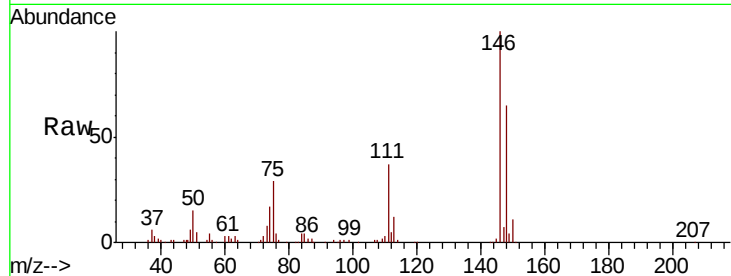
#91
 1,2-Dichlorobenzene
 Concen: 20.946 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.6	18.6	55.6
148	63.9	31.6	95.0

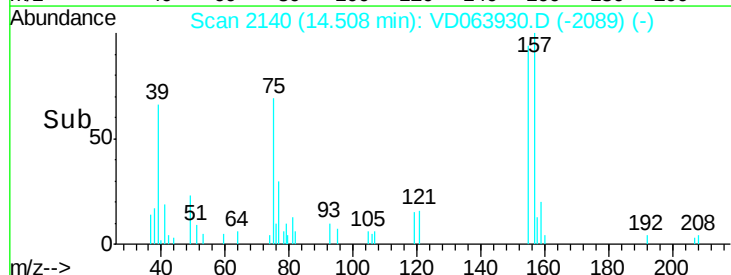
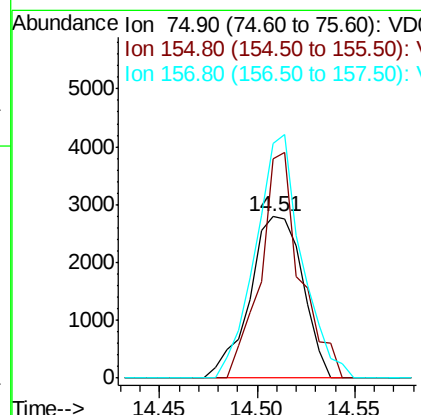
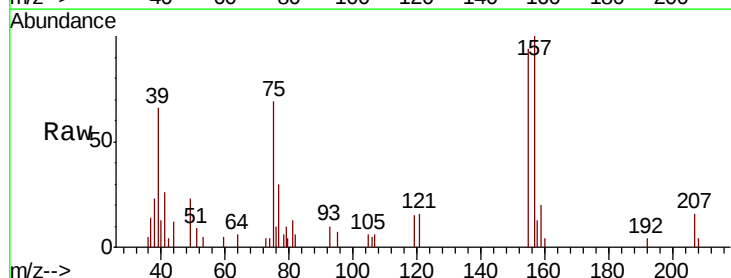
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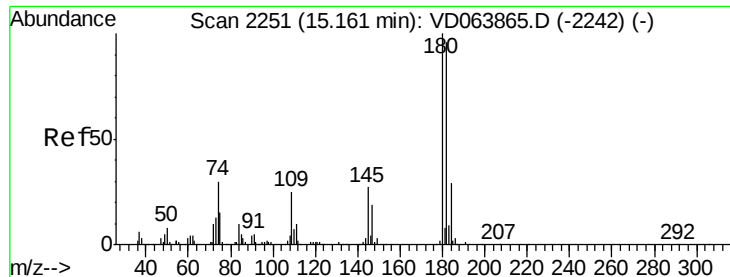
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.513 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	43.9	131.6
157	132.2	56.0	167.9





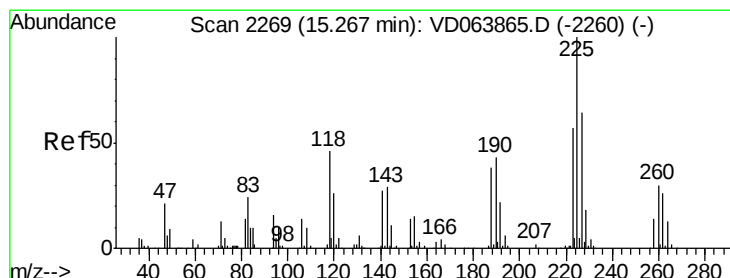
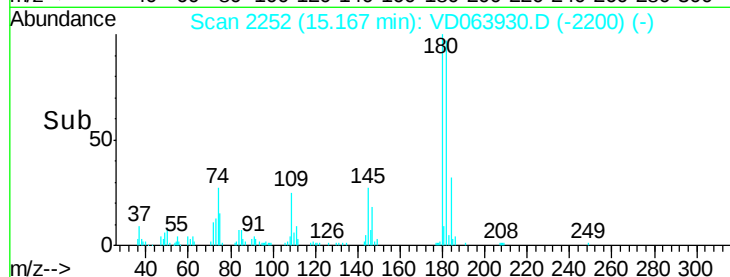
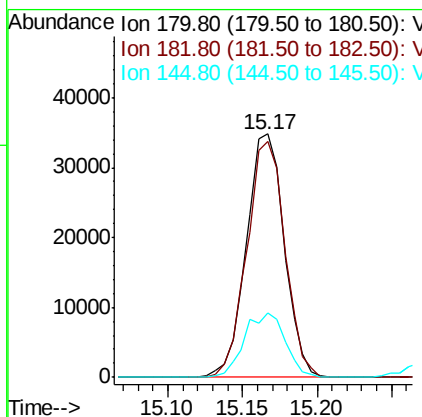
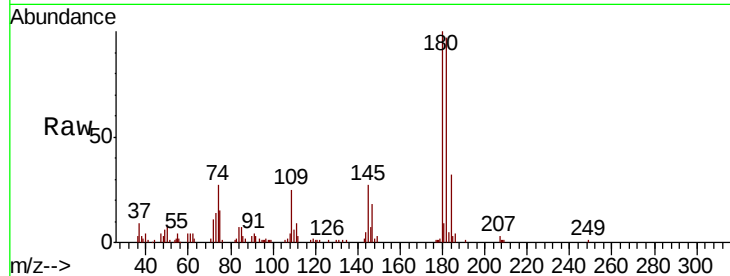
#93
 1,2,4-Trichlorobenzene
 Concen: 19.354 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.4	142.3
145	28.5	13.9	41.7

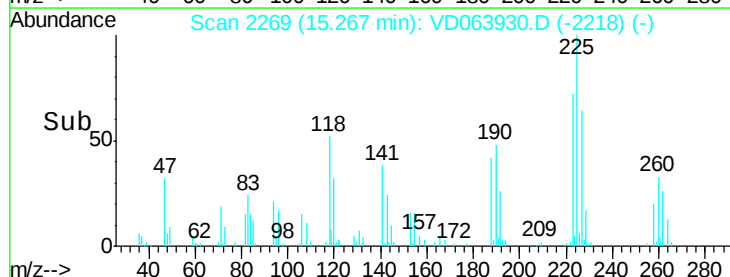
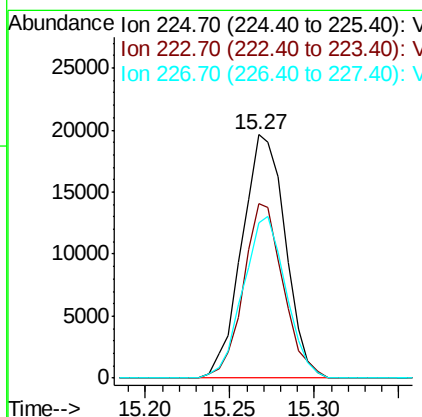
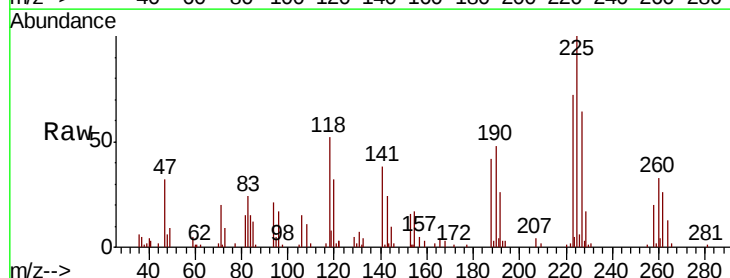
Manual Integrations
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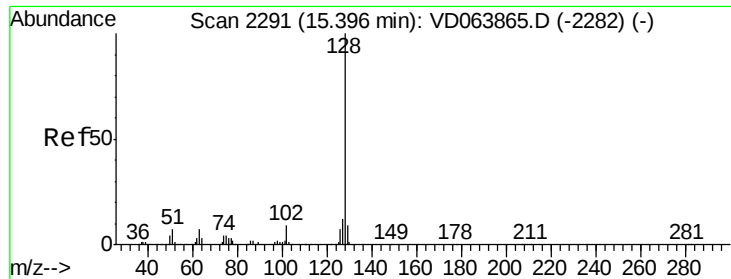
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#94
 Hexachlorobutadiene
 Concen: 20.170 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063930.D
 Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	29.5	88.6
227	65.2	30.8	92.4





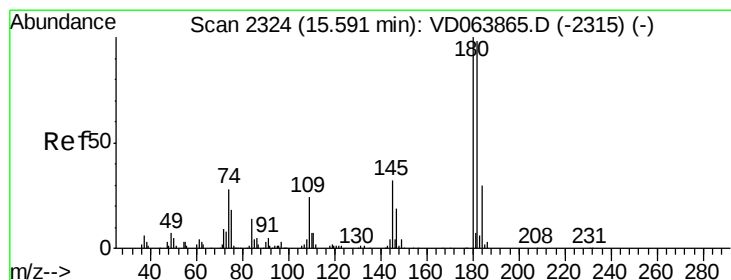
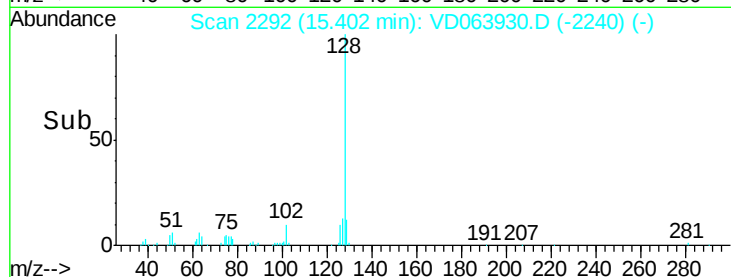
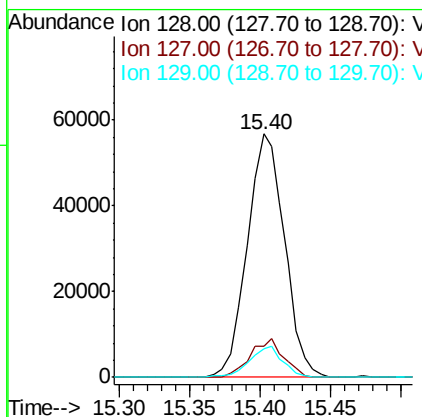
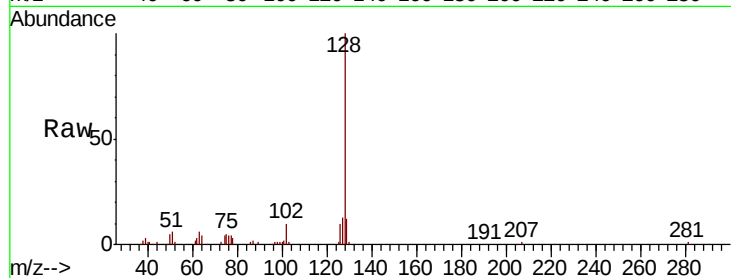
#95
Naphthalene
Concen: 19.848 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.6	16.0
129	11.4	8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.546 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063930.D
Acq: 11 Oct 2019 11:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	104.0	47.0	141.0
145	31.2	15.3	45.9

