

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101119\
 Data File : VD063929.D
 Acq On : 11 Oct 2019 11:29
 Operator : VA/SY
 Sample : VD1011SBS01
 Misc : 5.00G/5ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/15/2019 4:13:45 PM

Quant Time: Oct 12 01:48:45 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	152137	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	244032	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	239100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	123711	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	73933	49.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.84%	
35) Dibromofluoromethane	7.91	113	76902	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
50) Toluene-d8	10.34	98	315166	52.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.14%	
62) 4-Bromofluorobenzene	12.64	95	102169	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	23705	21.971	ug/l	99
3) Chloromethane	2.21	50	72848	22.595	ug/l	97
4) Vinyl Chloride	2.35	62	85882	24.629	ug/l	96
5) Bromomethane	2.76	94	50491	22.522	ug/l	92
6) Chloroethane	2.93	64	54261	23.529	ug/l	100
7) Trichlorofluoromethane	3.27	101	114858	24.913	ug/l	92
8) Diethyl Ether	3.71	74	14935	20.182	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	31497	24.680	ug/l	92
10) Methyl Iodide	4.29	142	34949	19.874	ug/l	98
11) Tert butyl alcohol	5.24	59	9750m	89.607	ug/l	
12) 1,1-Dichloroethene	4.06	96	28902	22.668	ug/l	85
13) Acrolein	3.92	56	11134	84.164	ug/l	95
14) Allyl chloride	4.71	41	45329	21.383	ug/l	100
15) Acrylonitrile	5.43	53	35818	109.784	ug/l	100
16) Acetone	4.16	43	35889	93.066	ug/l #	88
17) Carbon Disulfide	4.40	76	93438	20.160	ug/l #	93
18) Methyl Acetate	4.72	43	17968	23.822	ug/l	93
19) Methyl tert-butyl Ether	5.49	73	65817	19.934	ug/l #	83
20) Methylene Chloride	4.96	84	39462	21.337	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	36438	22.957	ug/l	95
22) Diisopropyl ether	6.37	45	95098	21.966	ug/l	93
23) Vinyl Acetate	6.31	43	267609	103.906	ug/l	96
24) 1,1-Dichloroethane	6.26	63	59441	22.290	ug/l	99
25) 2-Butanone	7.22	43	46859	102.533	ug/l	97
26) 2,2-Dichloropropane	7.21	77	50450	20.914	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	39672	22.082	ug/l	96
28) Bromochloromethane	7.55	49	19554	20.432	ug/l #	90
29) Tetrahydrofuran	7.57	42	27860	104.443	ug/l #	78
30) Chloroform	7.71	83	62510	21.582	ug/l	95
31) Cyclohexane	7.98	56	57116	23.815	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	56431	22.713	ug/l	96
36) 1,1-Dichloropropene	8.11	75	50668	22.708	ug/l	97
37) Ethyl Acetate	7.30	43	18955	18.688	ug/l	97
38) Carbon Tetrachloride	8.09	117	50595	22.439	ug/l	96

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.35	83	63796	23.254	ug/l	91
40) Benzene	8.35	78	142017	22.211	ug/l	100
41) Methacrylonitrile	7.53	41	13256	25.625	ug/l #	75
42) 1,2-Dichloroethane	8.43	62	40386	21.835	ug/l	99
43) Isopropyl Acetate	8.46	43	37180	19.870	ug/l	98
44) Trichloroethene	9.11	130	39550	21.450	ug/l	85
45) 1,2-Dichloropropane	9.39	63	34984	22.353	ug/l	92
46) Dibromomethane	9.48	93	18349	20.586	ug/l	95
47) Bromodichloromethane	9.67	83	47931	20.887	ug/l	95
48) Methyl methacrylate	9.46	41	18774	20.940	ug/l	93
49) 1,4-Dioxane	9.47	88	4926	404.886	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	98765	101.773	ug/l	98
52) Toluene	10.40	92	98803	22.509	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	46102	20.588	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	53740	20.848	ug/l	90
55) 1,1,2-Trichloroethane	10.80	97	26635	21.164	ug/l	92
56) Ethyl methacrylate	10.66	69	30919	19.401	ug/l	92
57) 1,3-Dichloropropane	10.94	76	44782	20.798	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	68573	100.101	ug/l	97
59) 2-Hexanone	10.98	43	73742	105.047	ug/l	96
60) Dibromochloromethane	11.14	129	34251	20.905	ug/l	92
61) 1,2-Dibromoethane	11.25	107	26850	22.007	ug/l	95
64) Tetrachloroethene	10.88	164	35933	22.014	ug/l	95
65) Chlorobenzene	11.67	112	106037	22.083	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	38060	21.511	ug/l	97
67) Ethyl Benzene	11.74	91	190494	22.001	ug/l	96
68) m/p-Xylenes	11.86	106	145342	43.489	ug/l	95
69) o-Xylene	12.18	106	70079	21.899	ug/l	96
70) Styrene	12.20	104	117942	21.771	ug/l	98
71) Bromoform	12.37	173	19706	20.753	ug/l #	99
73) Isopropylbenzene	12.48	105	191249	22.996	ug/l	100
74) N-amyl acetate	12.29	43	36914	20.616	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	30492	21.070	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	16954m	20.461	ug/l	
77) Bromobenzene	12.76	156	46834	22.603	ug/l	95
78) n-propylbenzene	12.82	91	233184	23.887	ug/l	98
79) 2-Chlorotoluene	12.91	91	121362	22.547	ug/l	98
80) 1,3,5-Trimethylbenzene	12.96	105	158663	22.868	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.53	75	9871	21.081	ug/l	97
82) 4-Chlorotoluene	13.01	91	125288	21.942	ug/l	98
83) tert-Butylbenzene	13.23	119	139296	22.559	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	157150	21.970	ug/l	100
85) sec-Butylbenzene	13.40	105	196122	23.519	ug/l	99
86) p-Isopropyltoluene	13.52	119	182836	23.171	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	91369	22.318	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	90356	22.371	ug/l	98
89) n-Butylbenzene	13.84	91	171014	23.283	ug/l	99
90) Hexachloroethane	14.11	117	31577	22.250	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	79613	22.565	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	5262	22.027	ug/l	94

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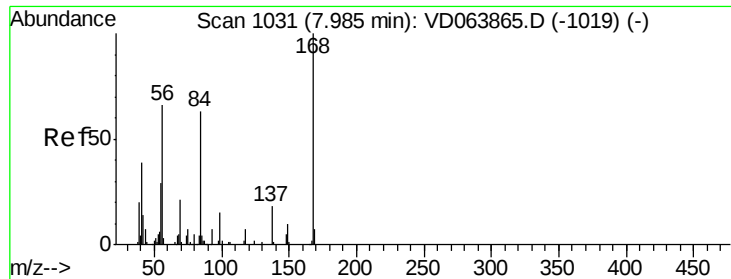
Manual Integrations
APPROVED

MMDadoda
10/15/2019 4:13:45 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100219S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	54901	20.167	ug/l	99
94) Hexachlorobutadiene	15.27	225	33564	22.342	ug/l	97
95) Naphthalene	15.40	128	94223	20.592	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	48558	20.673	ug/l	96

(#) = 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: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion:168 Resp: 152137

Ion Ratio Lower Upper

168 100

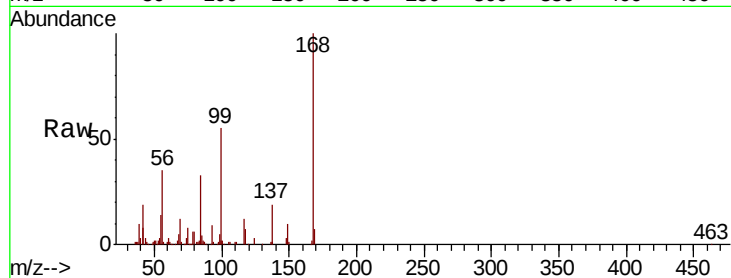
99 55.0 43.0 64.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

60000

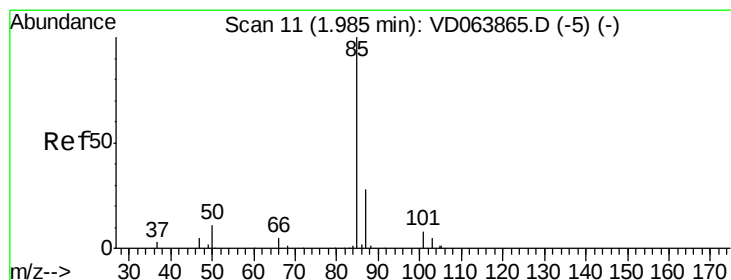
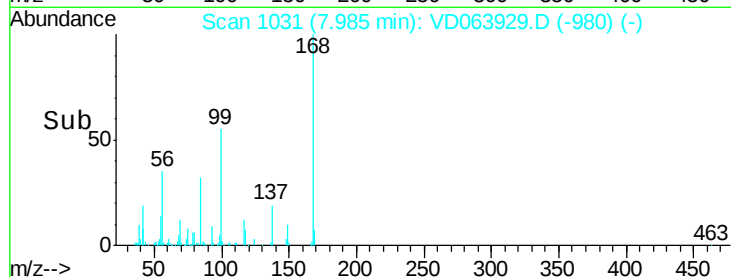
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.971 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD063929.D

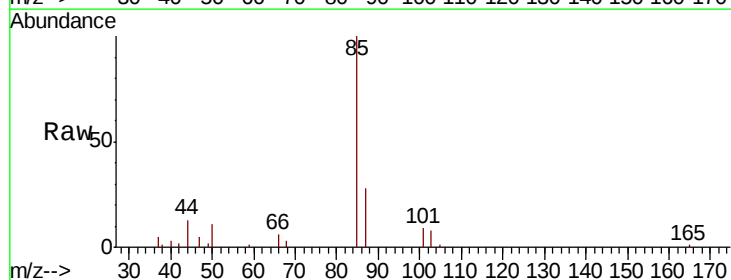
Acq: 11 Oct 2019 11:29

Tgt Ion: 85 Resp: 23705

Ion Ratio Lower Upper

85 100

87 28.4 14.0 42.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

15000

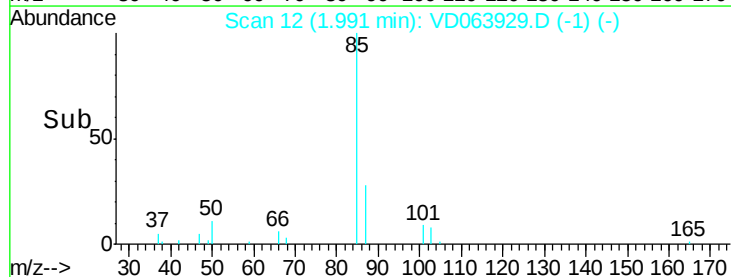
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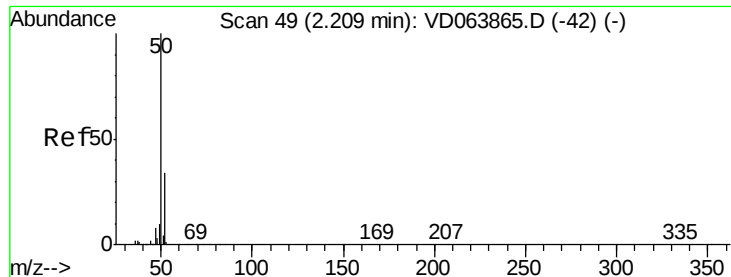
5000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 22.595 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 50 Resp: 72848

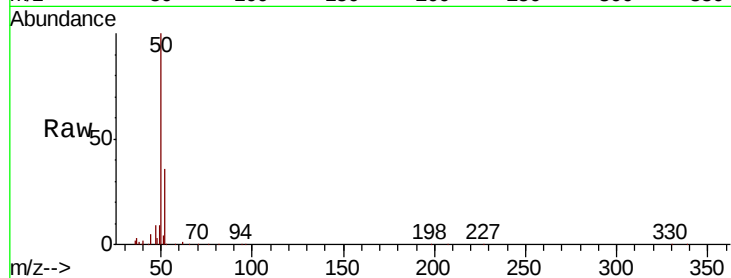
Ion Ratio Lower Upper

50 100

52 36.1 27.5 41.3

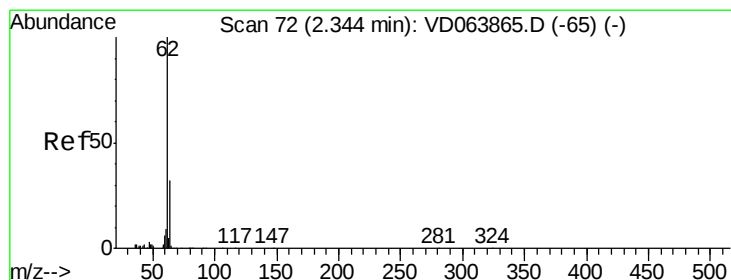
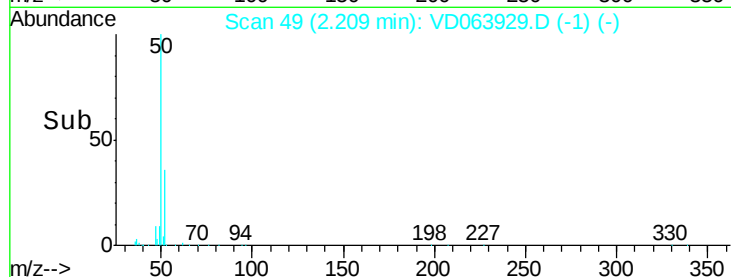
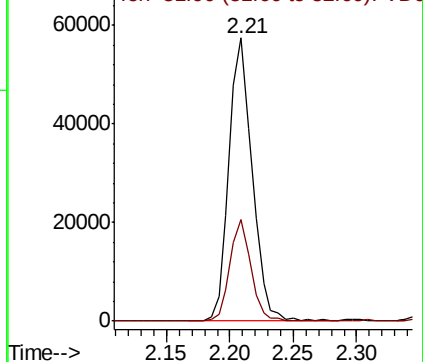
Manual Integrations
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10/15/2019 4:13:45 PM



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.629 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.01 min

Lab File: VD063929.D

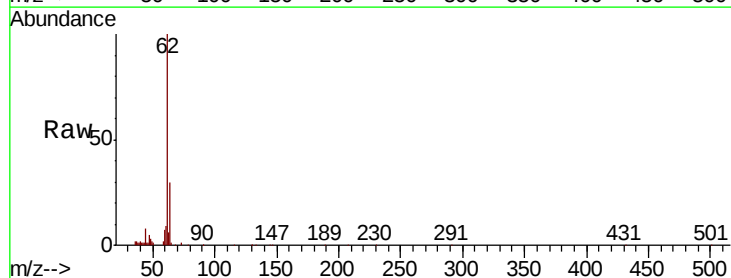
Acq: 11 Oct 2019 11:29

Tgt Ion: 62 Resp: 85882

Ion Ratio Lower Upper

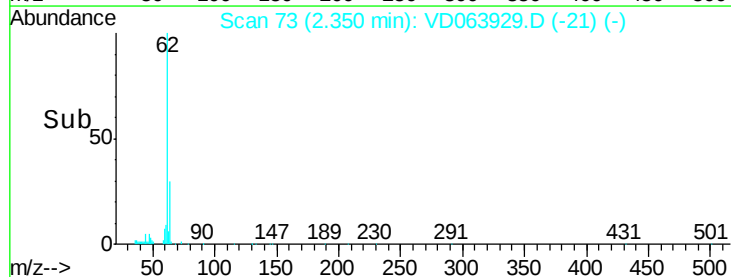
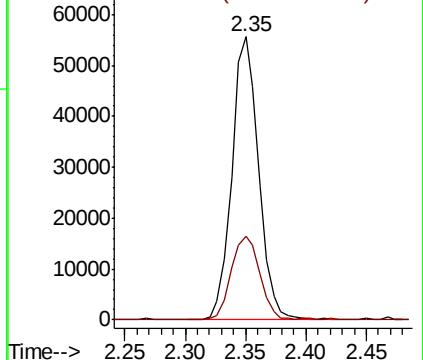
62 100

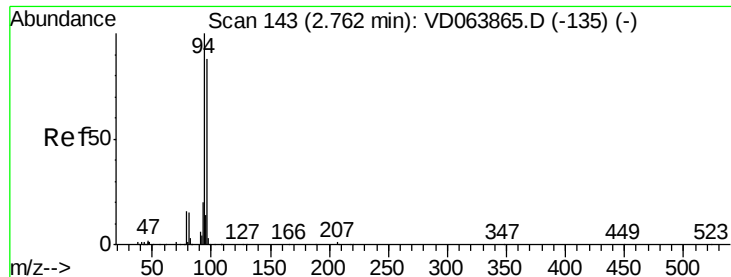
64 29.5 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 22.522 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 94 Resp: 50491

Ion Ratio Lower Upper

94 100

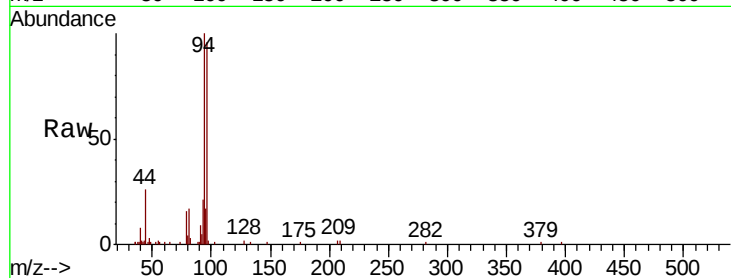
96 95.8 70.8 106.2

Manual Integrations

APPROVED

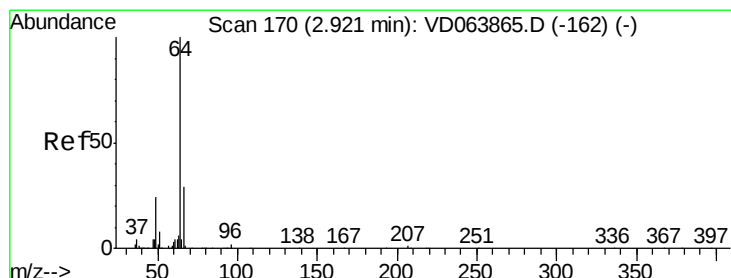
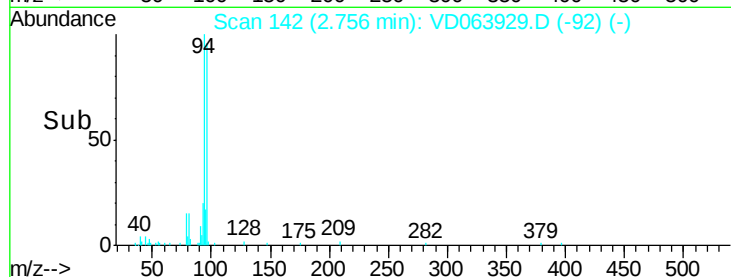
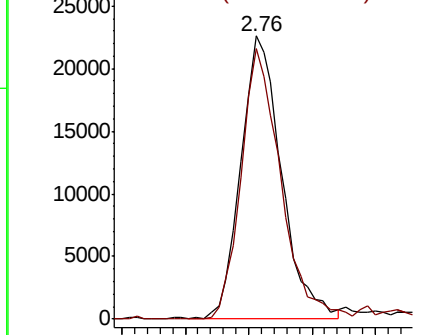
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.529 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD063929.D

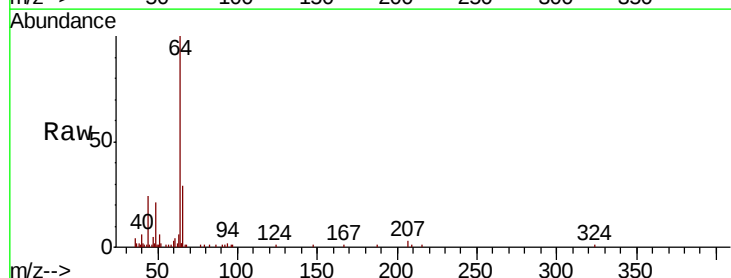
Acq: 11 Oct 2019 11:29

Tgt Ion: 64 Resp: 54261

Ion Ratio Lower Upper

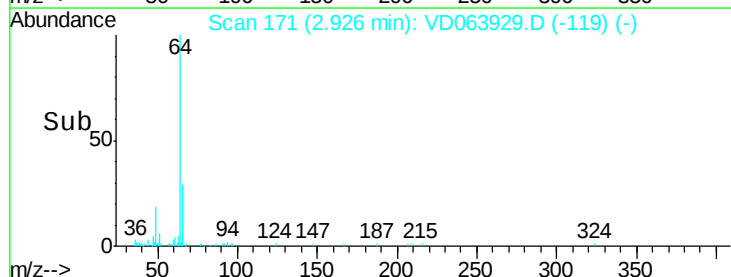
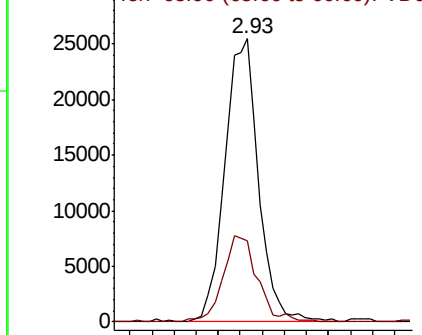
64 100

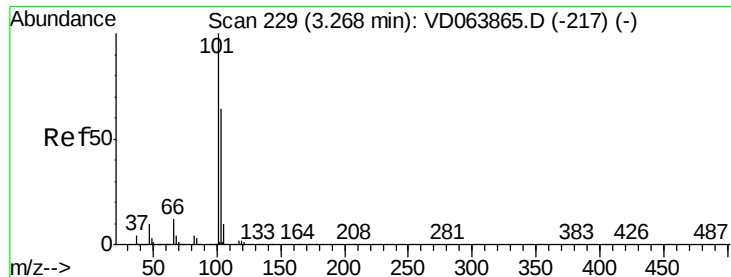
66 28.8 23.0 34.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

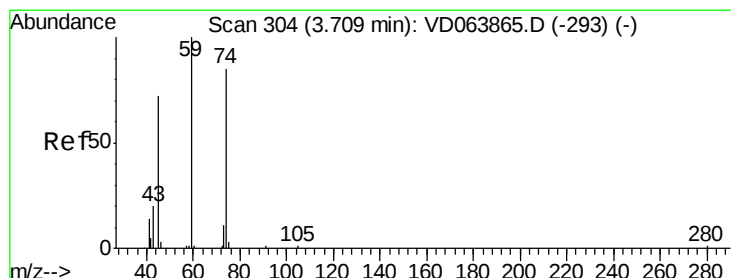
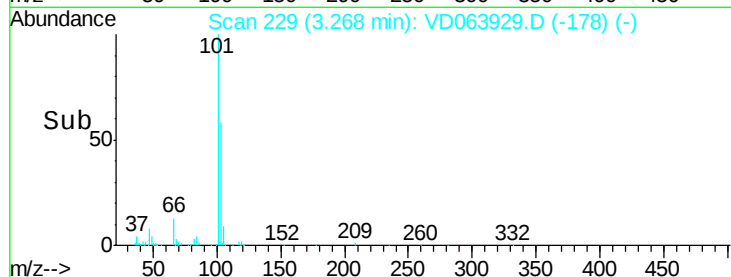
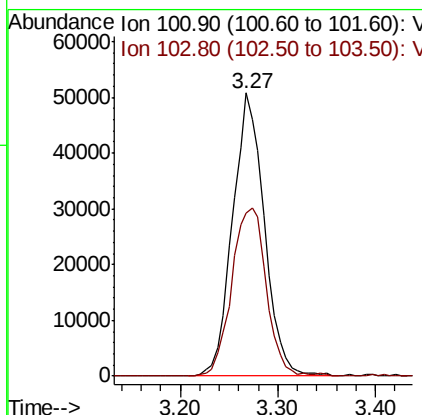
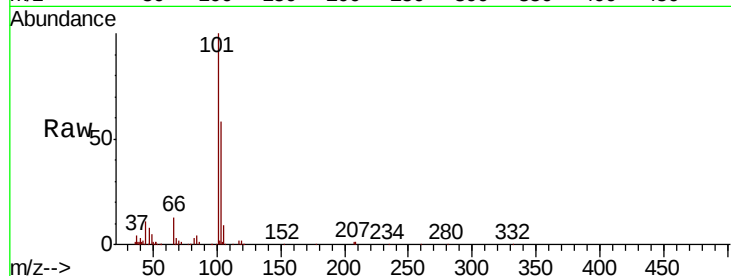
Trichlorofluoromethane
Concen: 24.913 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

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VD1011SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	57.6	51.1	76.7

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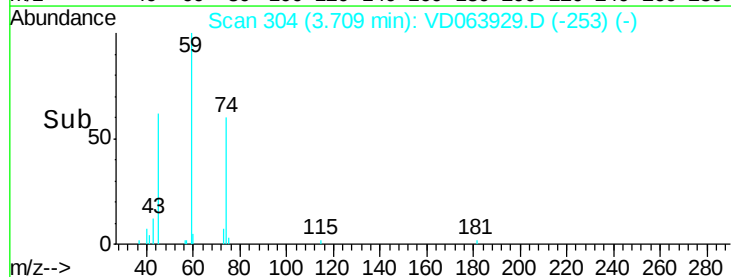
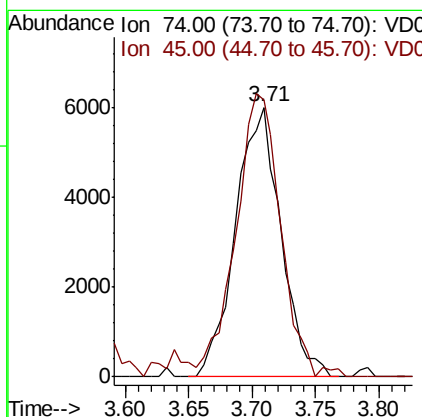
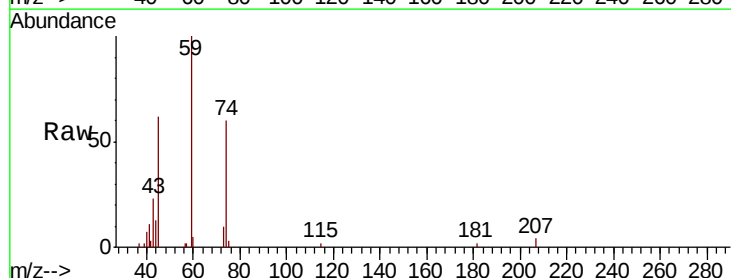
MMDadoda
10/15/2019 4:13:45 PM

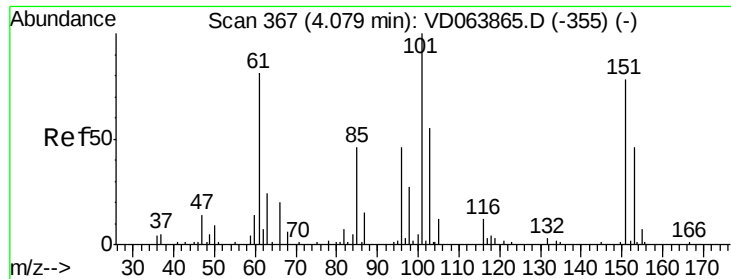


#8

Diethyl Ether
Concen: 20.182 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	48.1	144.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 24.680 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

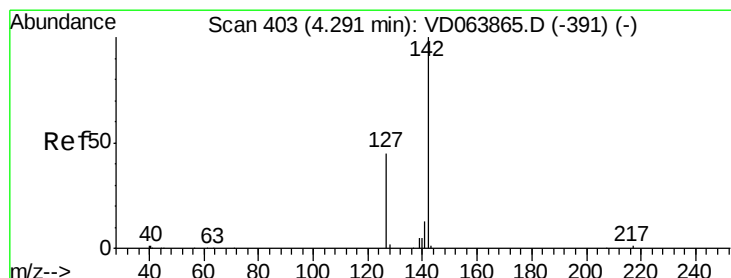
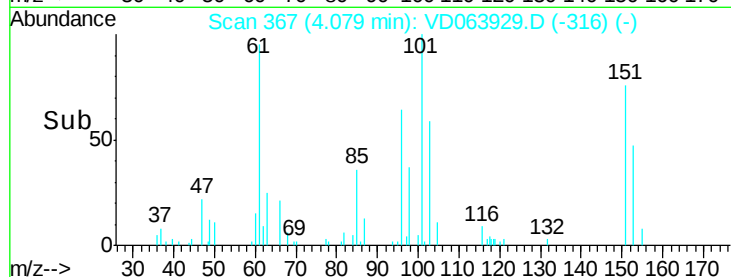
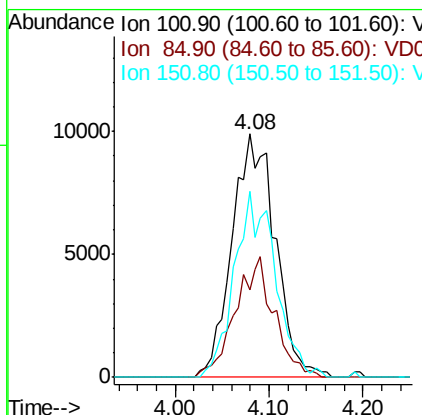
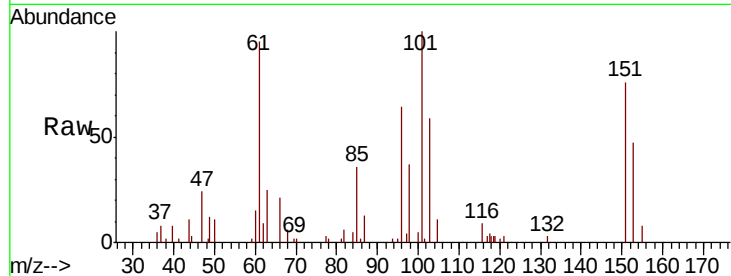
ClientSampleId :

VD1011SBS01

Tot Ion:	101	Resp:	31497
Ion Ratio	Lower	Upper	
101	100		
85	44.1	37.5	56.3
151	72.3	65.5	98.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.874 ug/l

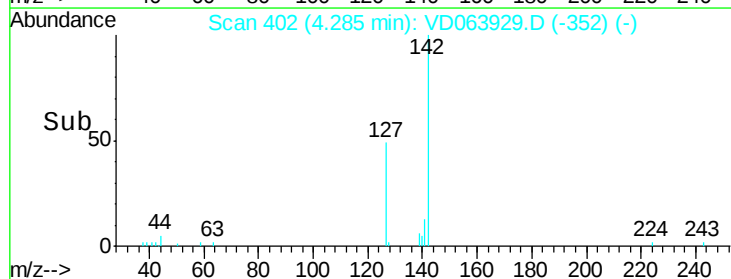
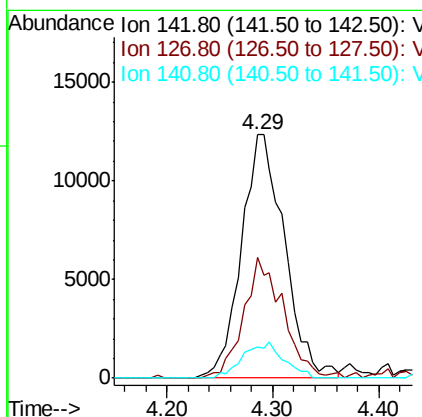
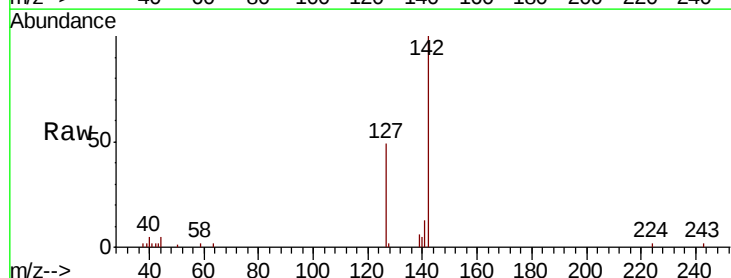
RT: 4.29 min Scan# 402

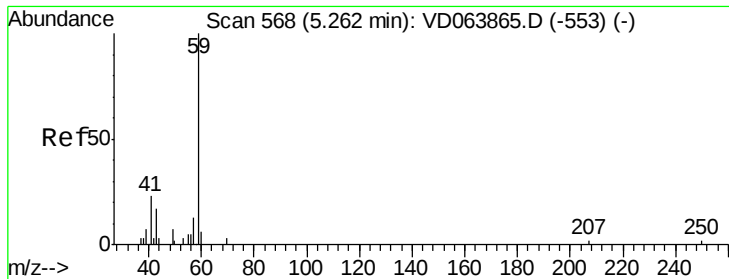
Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion:	142	Resp:	34949
Ion Ratio	Lower	Upper	
142	100		
127	45.5	35.3	52.9
141	14.0	12.2	18.2





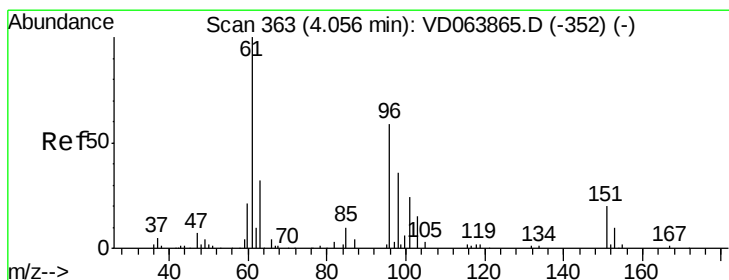
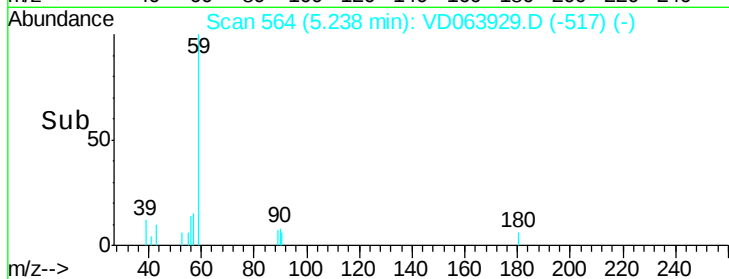
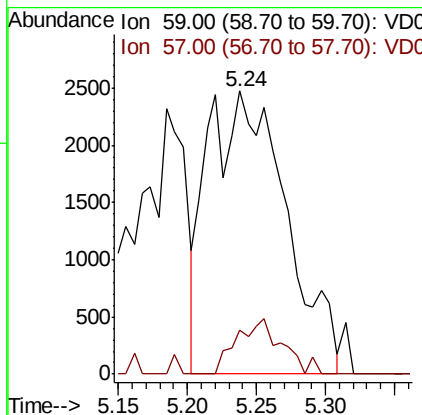
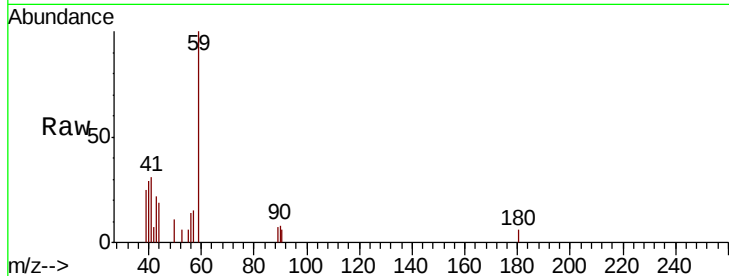
#11
Tert butyl alcohol
Concen: 89.607 ug/l m
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion: 59 Resp: 9750
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

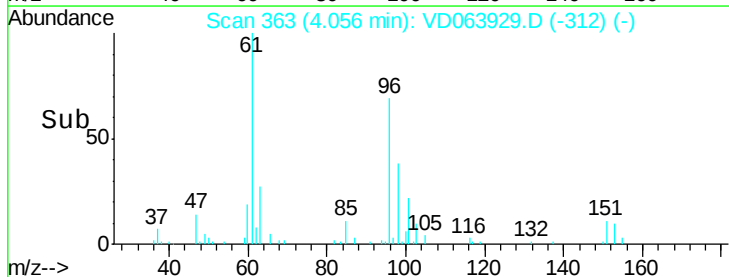
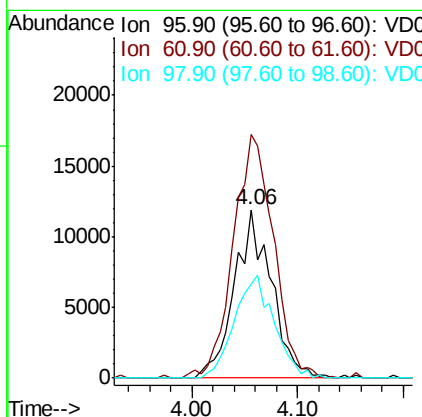
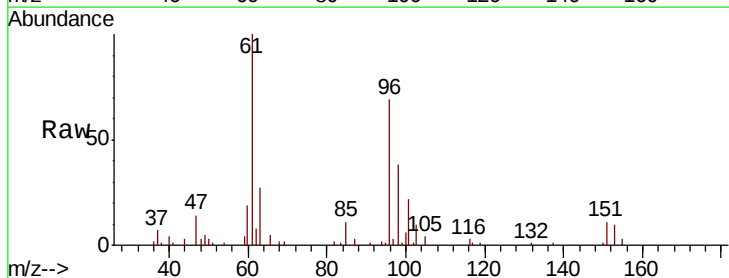
Manual Integrations
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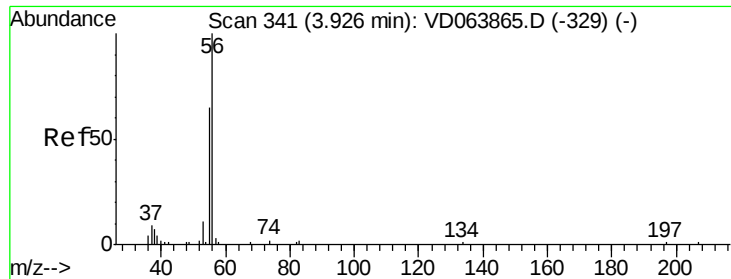
MMDadoda
10/15/2019 4:13:45 PM



#12
1,1-Dichloroethene
Concen: 22.668 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 96 Resp: 28902
Ion Ratio Lower Upper
96 100
61 144.5 135.6 203.4
98 55.6 49.2 73.8





#13

Acrolein

Concen: 84.164 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 56 Resp: 11134

Ion Ratio Lower Upper

56 100

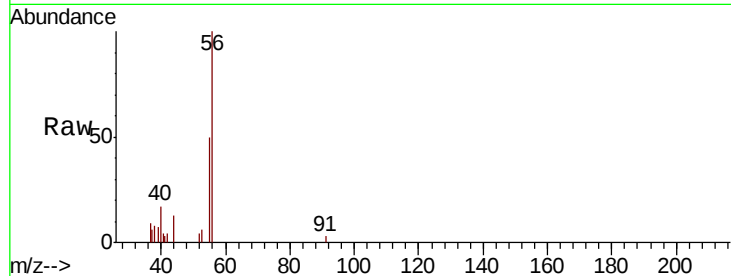
55 70.7 53.0 79.6

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.92

6000

5000

4000

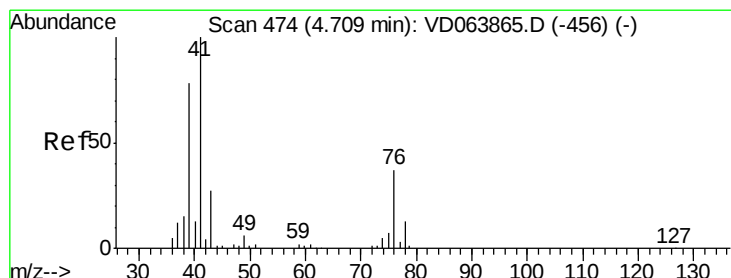
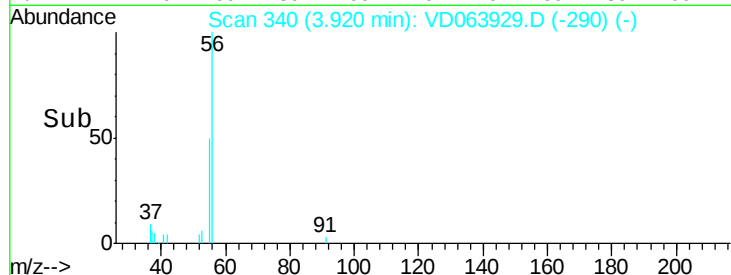
3000

2000

1000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 21.383 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

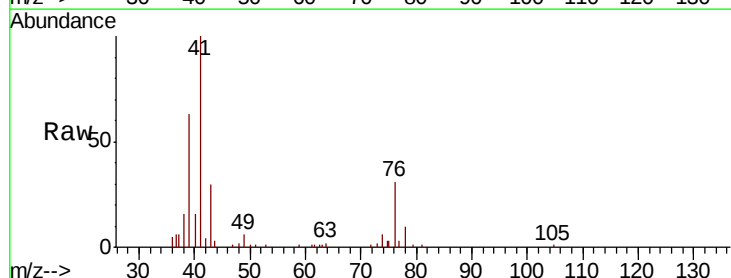
Tgt Ion: 41 Resp: 45329

Ion Ratio Lower Upper

41 100

39 77.2 61.8 92.6

76 38.3 31.3 46.9



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

20000

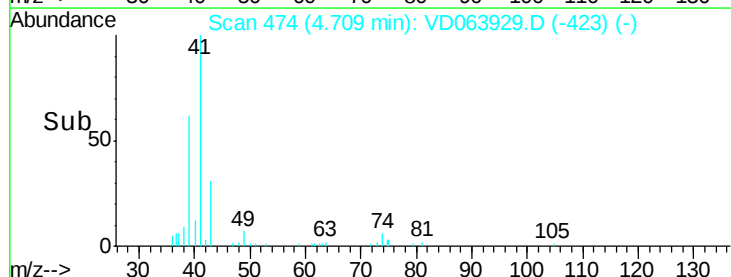
15000

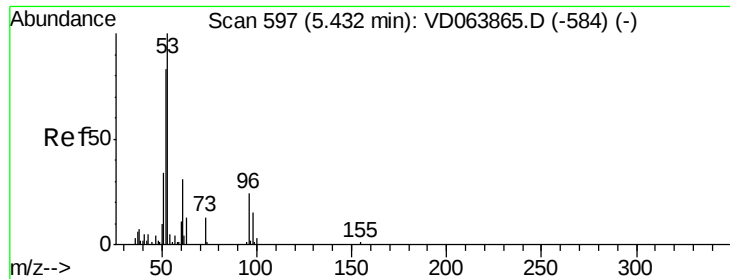
10000

5000

0

Time--> 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 109.784 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

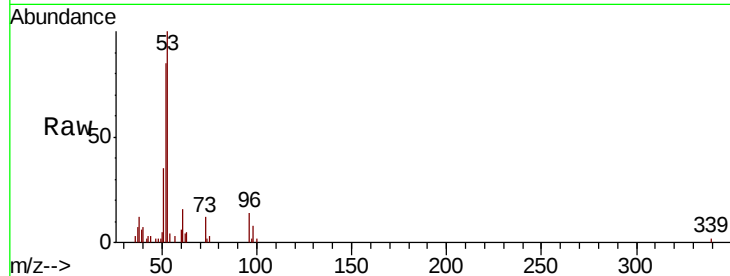
ClientSampleId :

VD1011SBS01

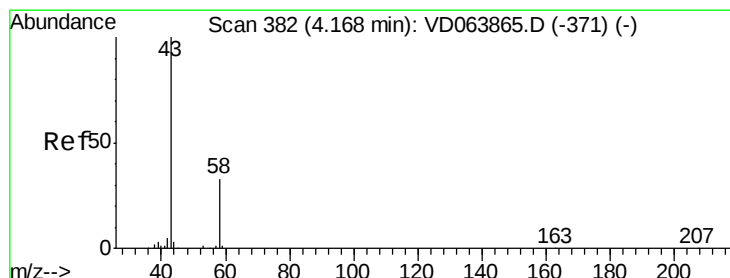
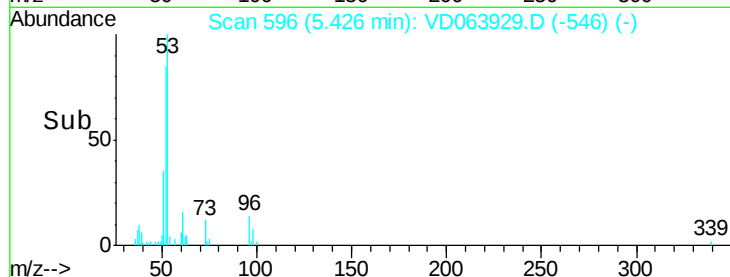
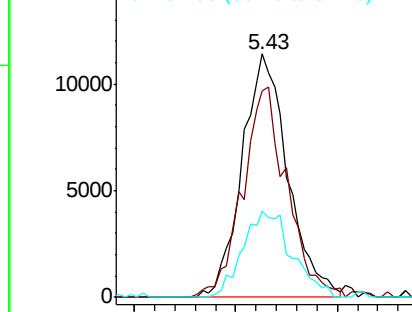
Tot Ion:	53	Resp:	35818
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.3	100.9
51	38.0	30.5	45.7

Manual Integrations
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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 93.066 ug/l

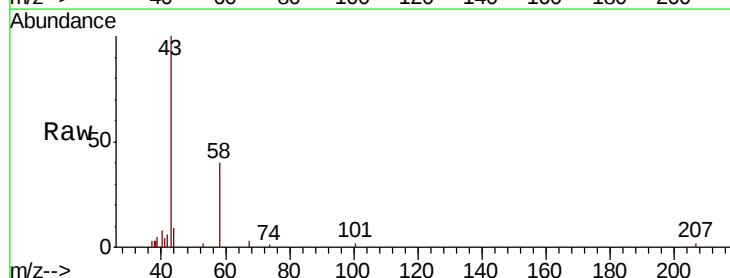
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

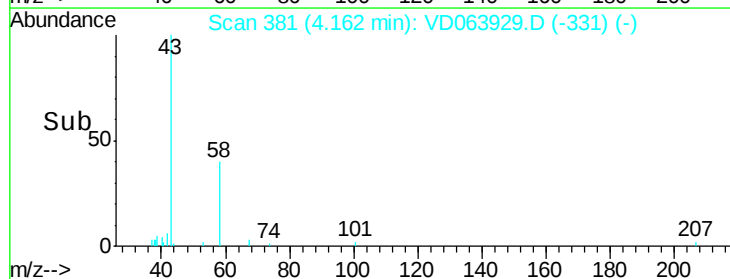
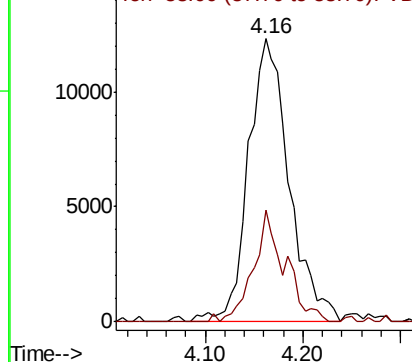
Lab File: VD063929.D

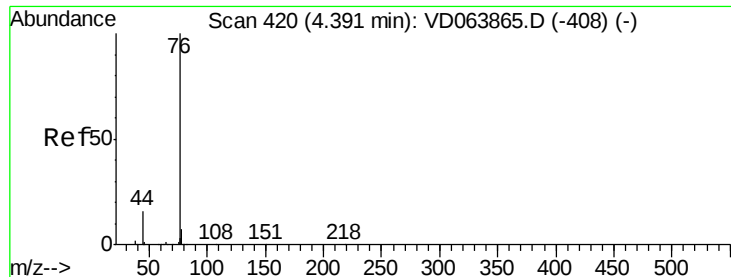
Acq: 11 Oct 2019 11:29

Tgt Ion:	43	Resp:	35889
Ion	Ratio	Lower	Upper
43	100		
58	39.7	26.2	39.4#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC





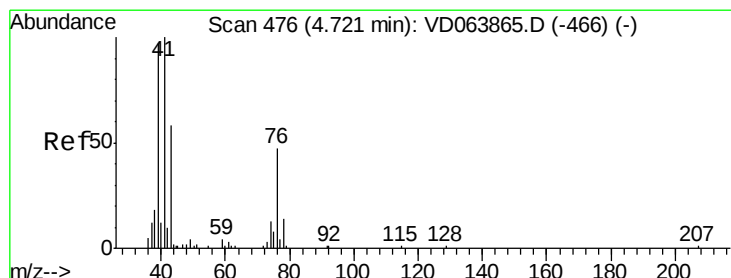
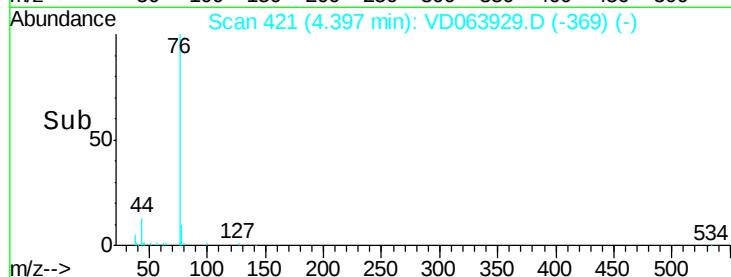
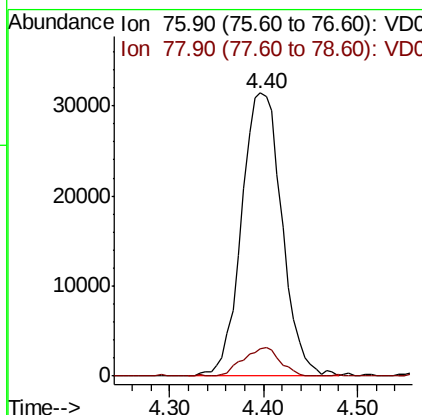
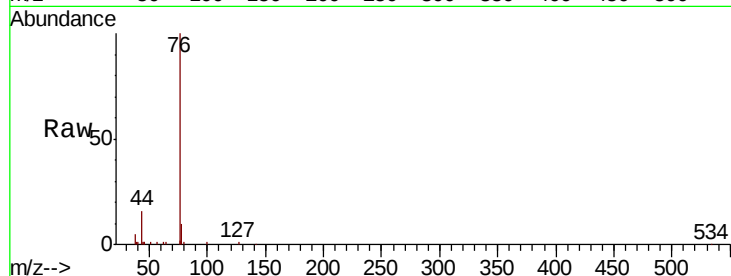
#17
Carbon Disulfide
Concen: 20.160 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	5.8	8.8#

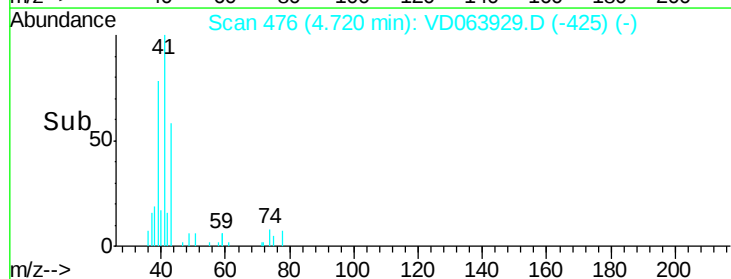
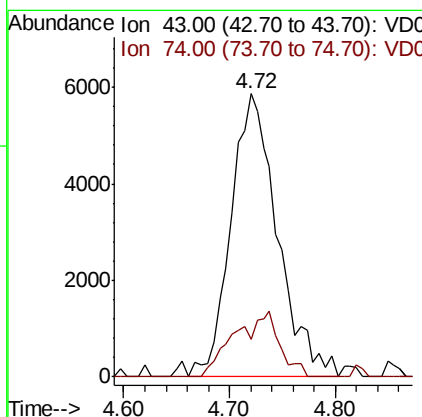
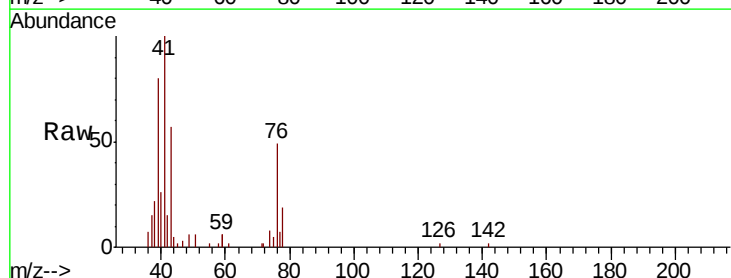
Manual Integrations
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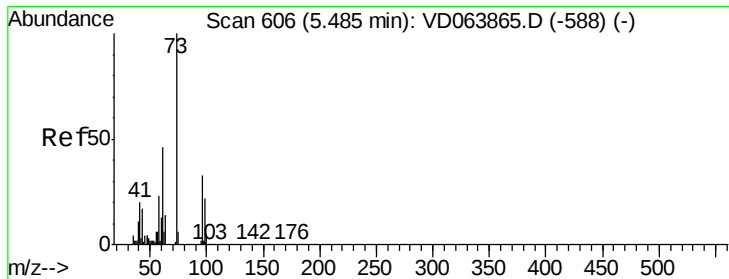
MMDadoda
10/15/2019 4:13:45 PM



#18
Methyl Acetate
Concen: 23.822 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.5	20.8	31.2





#19

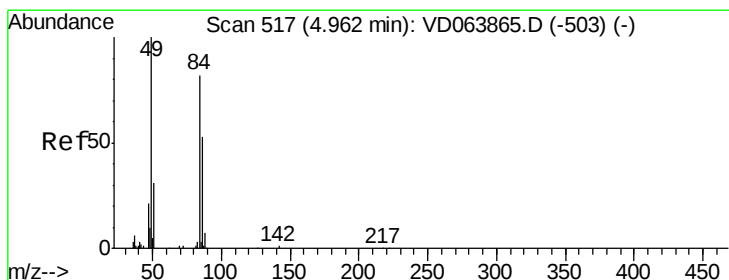
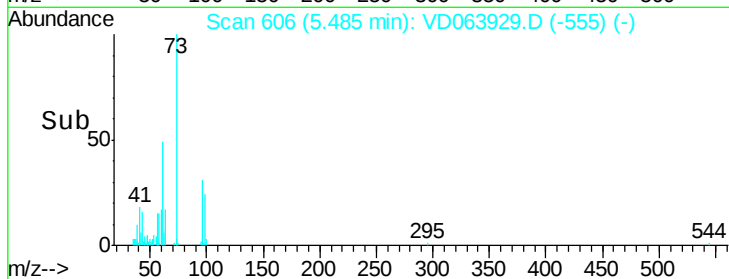
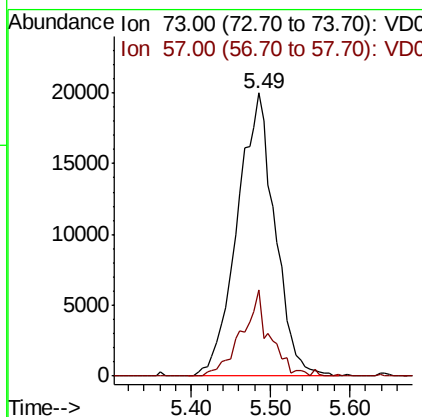
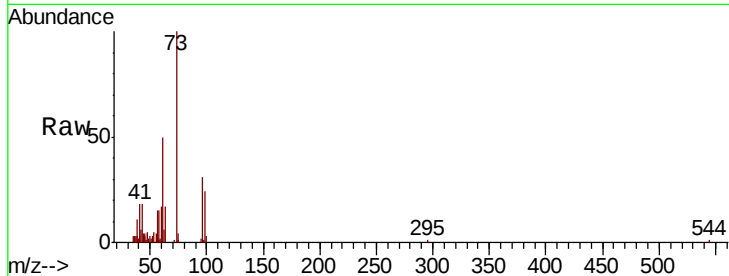
Methyl tert-butyl Ether
 Concen: 19.934 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	30.6	18.1	27.1#

Manual Integrations
 APPROVED

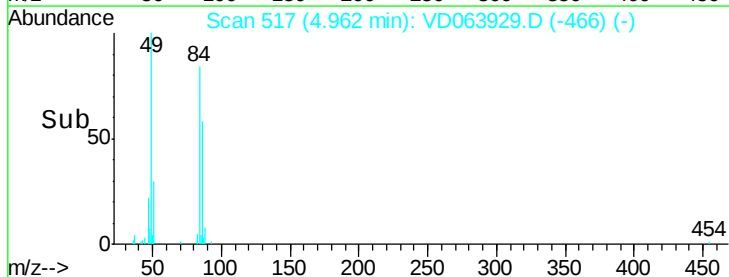
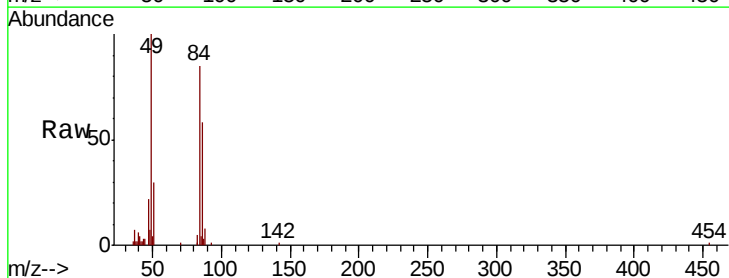
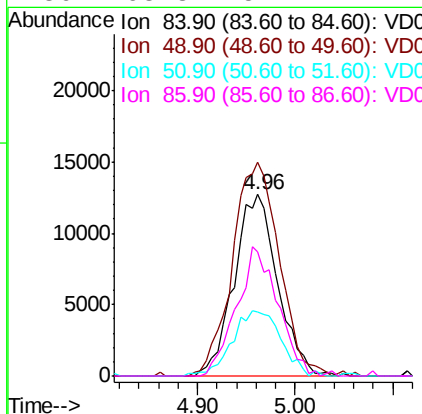
MMDadoda
 10/15/2019 4:13:45 PM

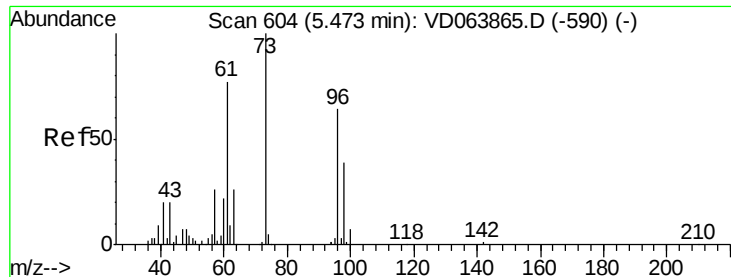


#20

Methylene Chloride
 Concen: 21.337 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
84	100		
49	117.9	97.3	145.9
51	35.6	30.1	45.1
86	68.3	51.4	77.2





#21

trans-1,2-Dichloroethene

Concen: 22.957 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

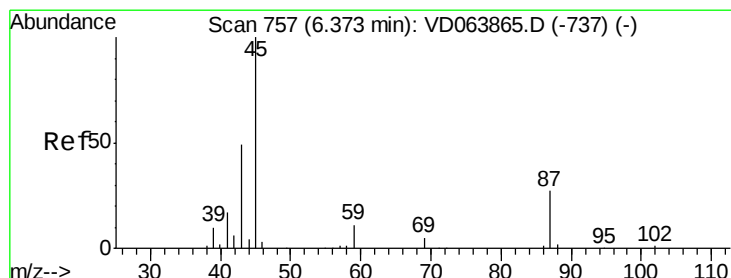
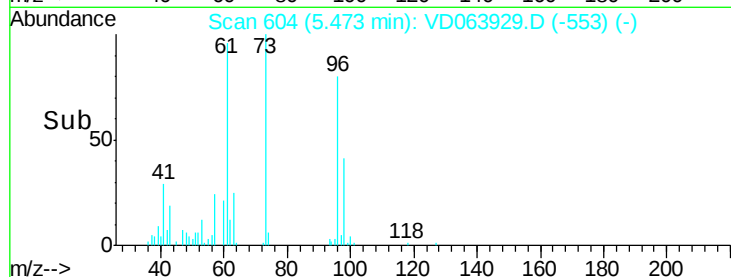
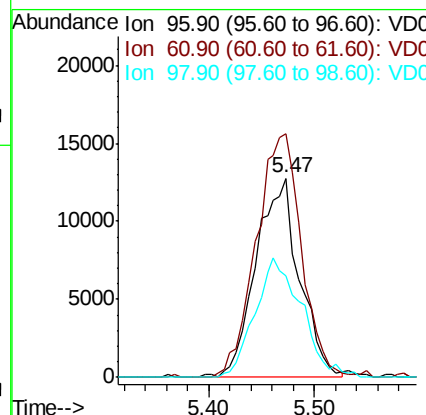
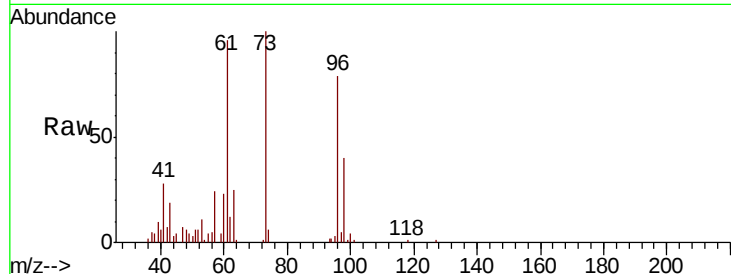
ClientSampleId :

VD1011SBS01

Tot Ion:	96	Resp:	36438
Ion	Ratio	Lower	Upper
96	100		
61	122.3	96.6	145.0
98	50.8	48.7	73.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.966 ug/l

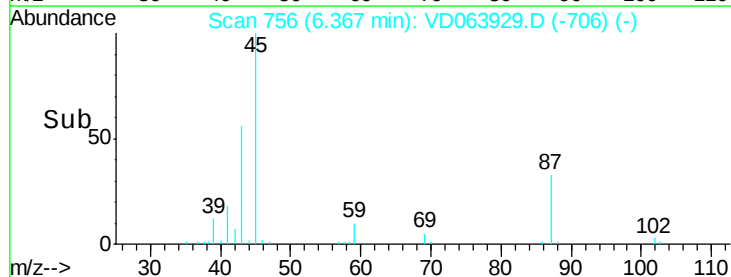
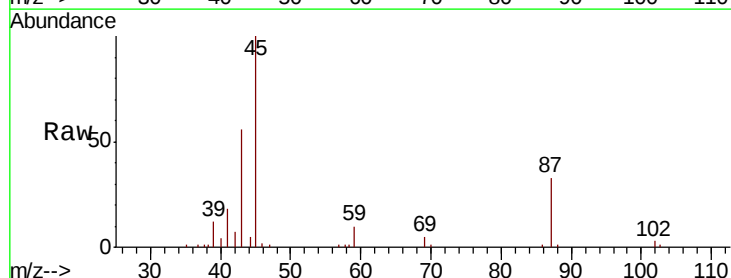
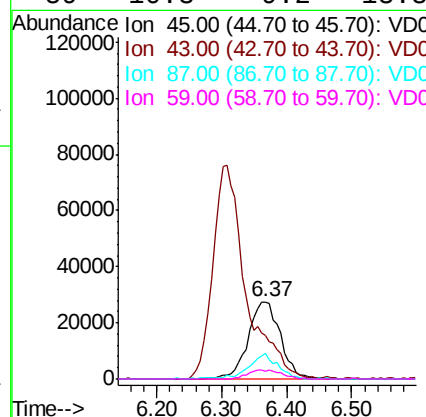
RT: 6.37 min Scan# 756

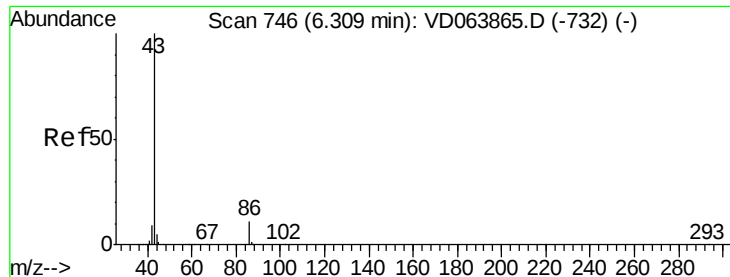
Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion:	45	Resp:	95098
Ion	Ratio	Lower	Upper
45	100		
43	56.4	41.2	61.8
87	33.1	22.2	33.4
59	10.3	9.2	13.8





#23

Vinyl Acetate

Concen: 103.906 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 43 Resp: 267609

Ion Ratio Lower Upper

43 100

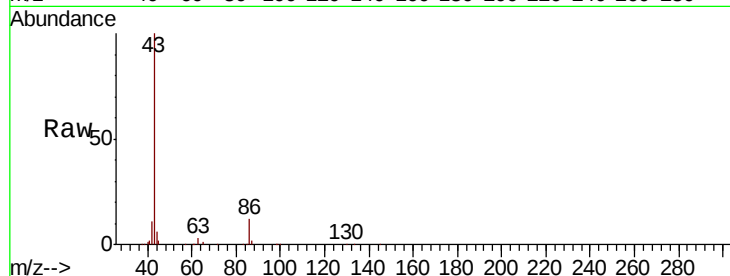
86 12.4 8.8 13.2

Manual Integrations

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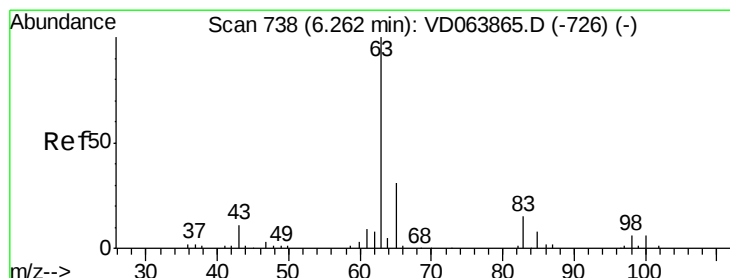
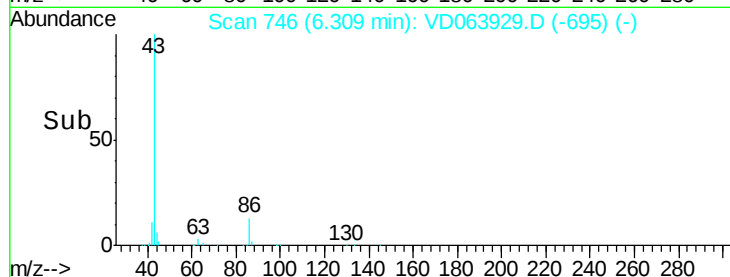
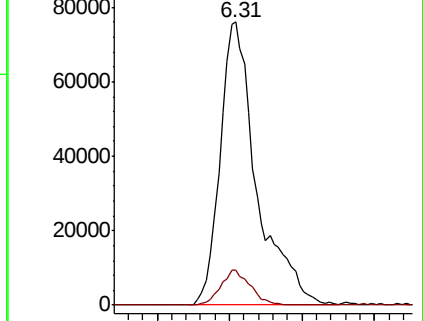
MMDadoda

10/15/2019 4:13:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.290 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

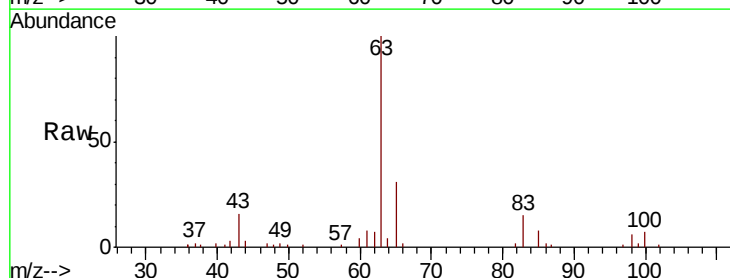
Tgt Ion: 63 Resp: 59441

Ion Ratio Lower Upper

63 100

98 6.4 3.1 9.4

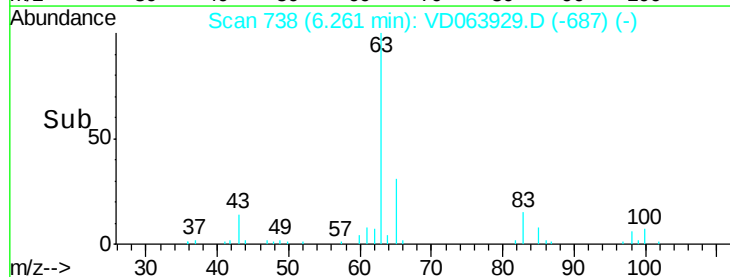
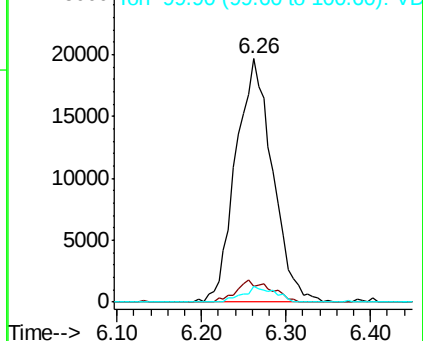
100 6.6 3.0 9.2

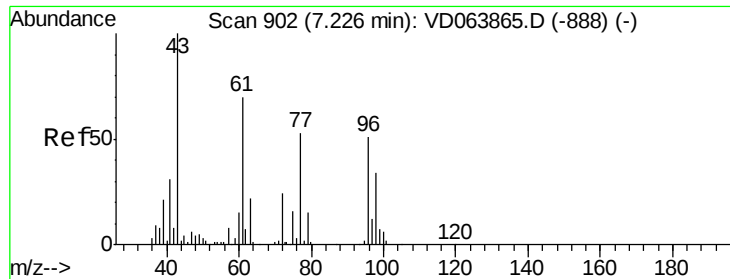


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.533 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 43 Resp: 46859

Ion Ratio Lower Upper

43 100

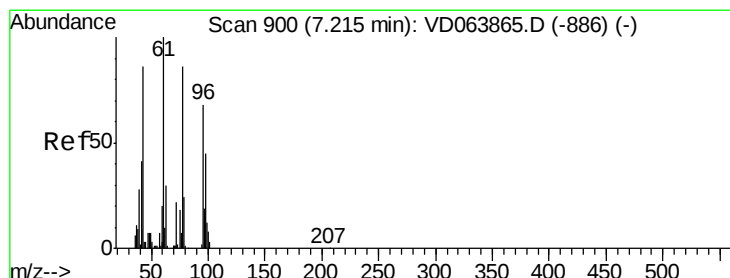
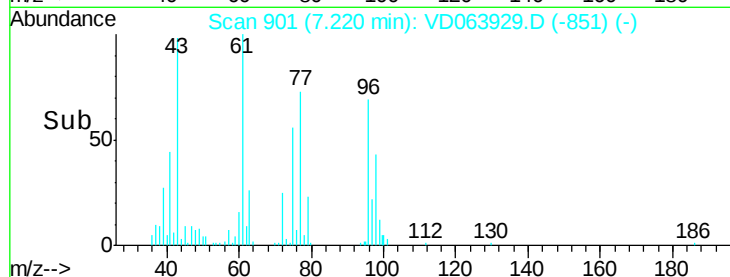
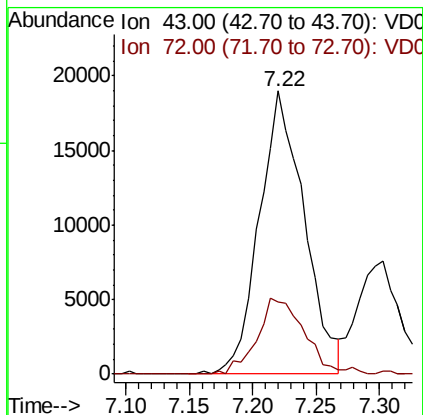
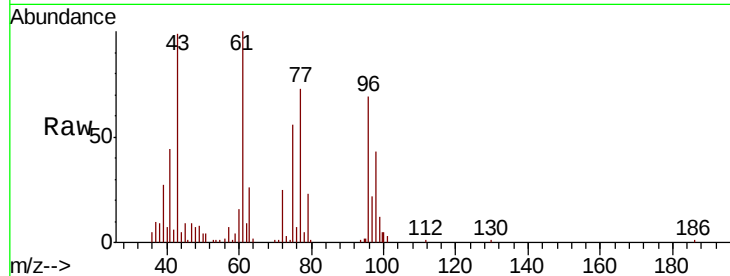
72 25.6 19.2 28.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.914 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD063929.D

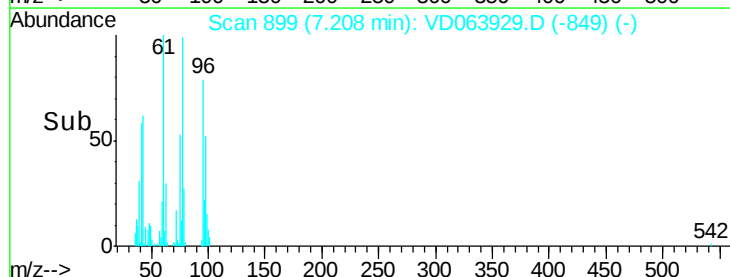
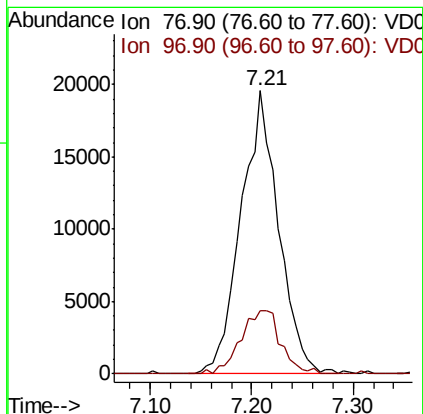
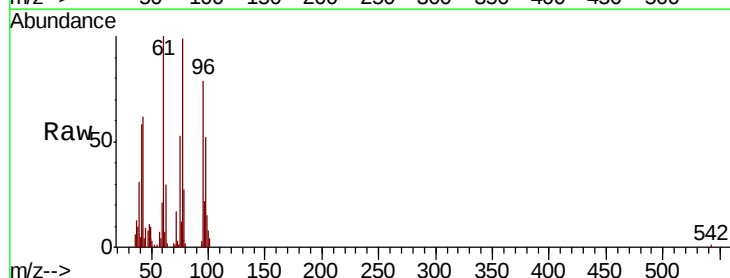
Acq: 11 Oct 2019 11:29

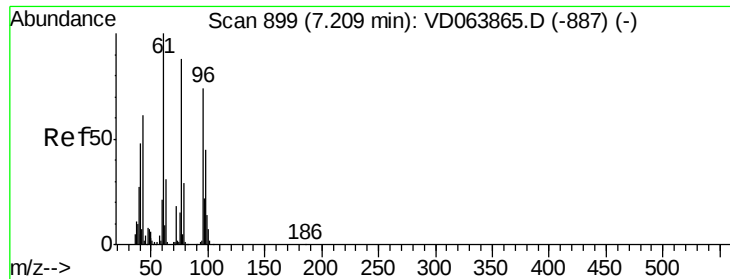
Tgt Ion: 77 Resp: 50450

Ion Ratio Lower Upper

77 100

97 23.9 11.4 34.1





#27

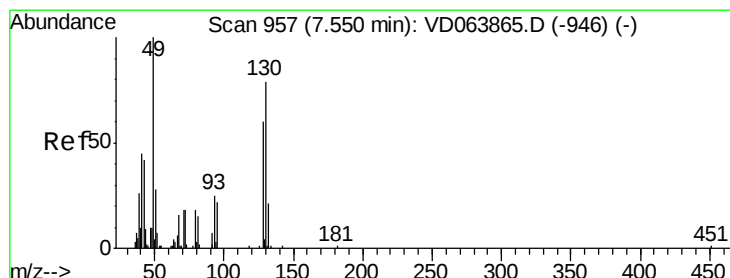
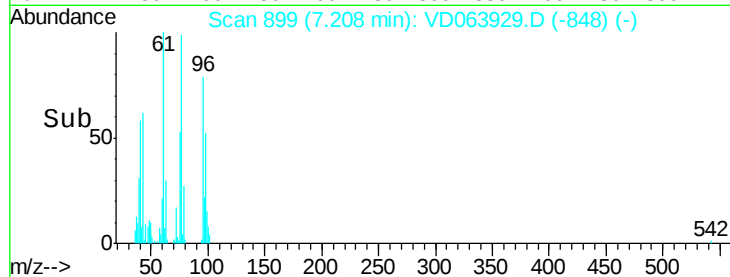
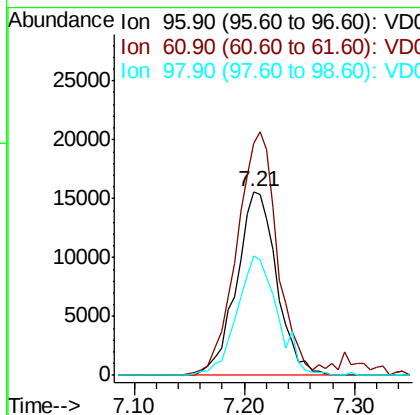
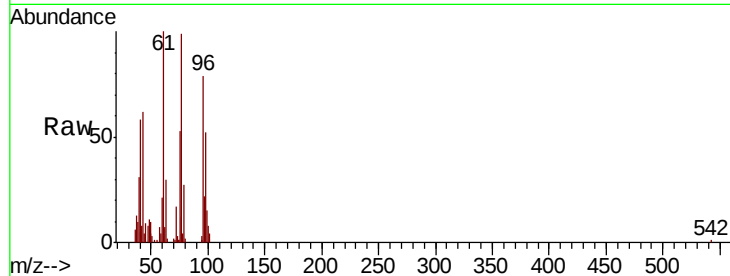
cis-1,2-Dichloroethene
Concen: 22.082 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	134.0	0.0	280.0
98	66.3	0.0	130.4

Manual Integrations
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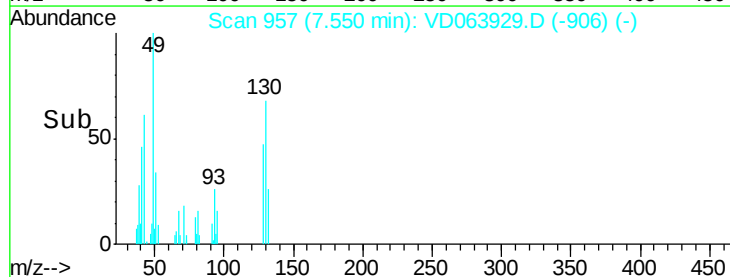
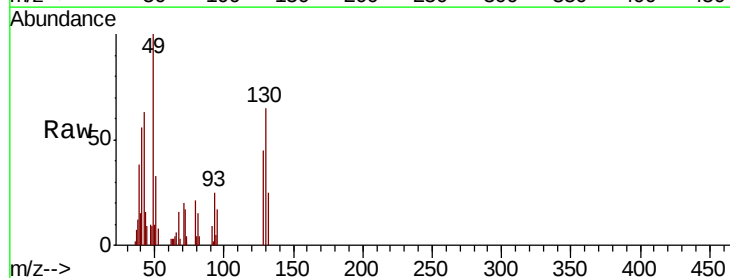
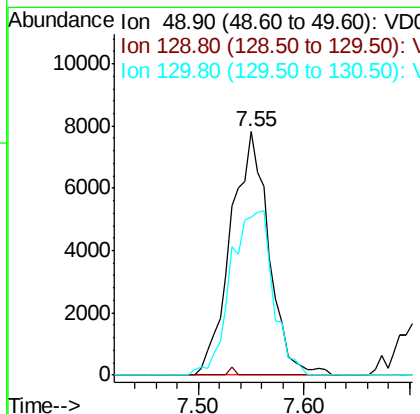
MMDadoda
10/15/2019 4:13:45 PM

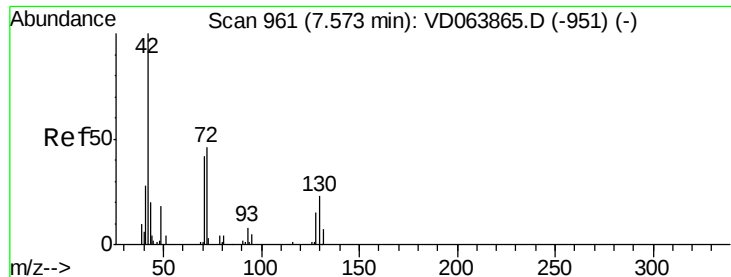


#28

Bromochloromethane
Concen: 20.432 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.6
130	74.9	66.8	100.2





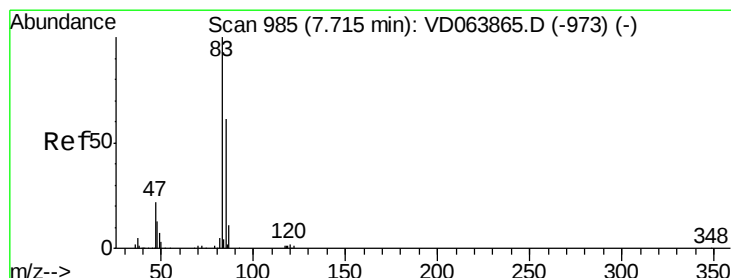
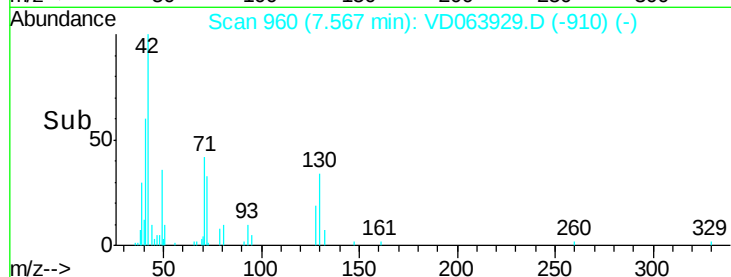
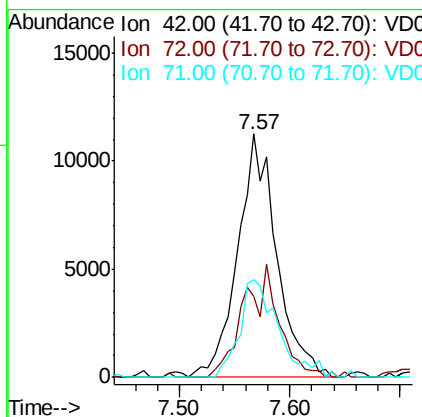
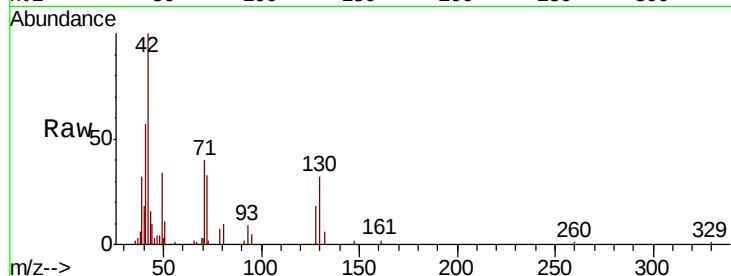
#29
Tetrahydrofuran
Concen: 104.443 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	22.3	37.6	56.4#
71	40.0	35.0	52.6

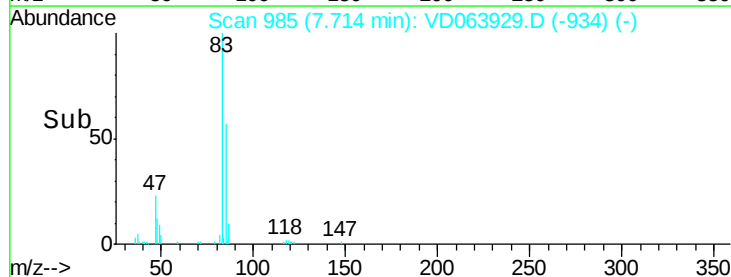
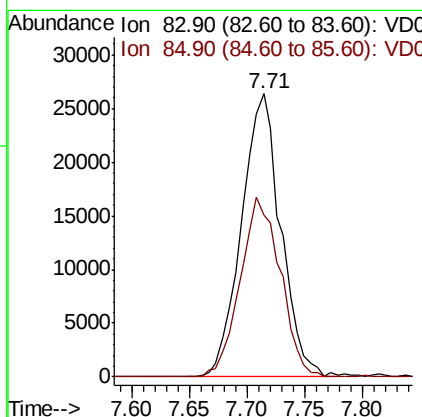
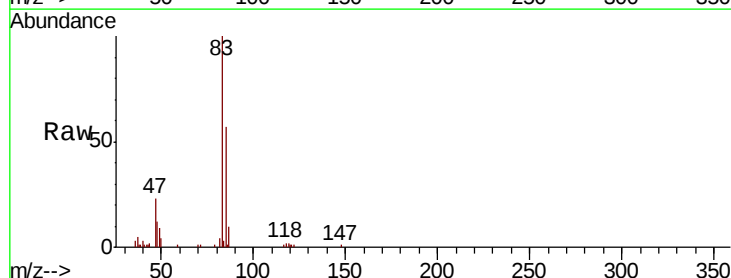
Manual Integrations
APPROVED

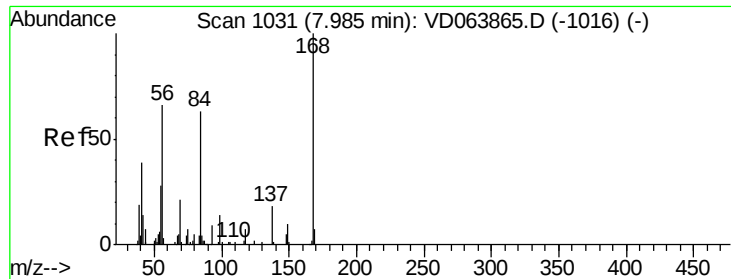
MMDadoda
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#30
Chloroform
Concen: 21.582 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.0	48.9	73.3





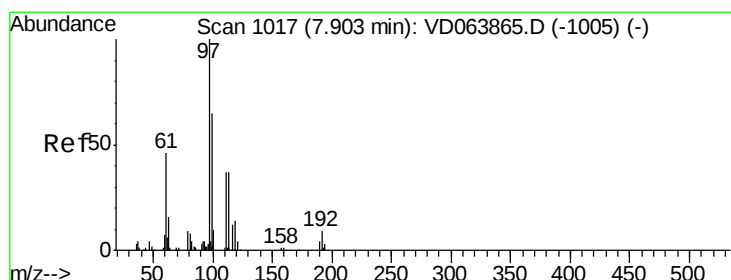
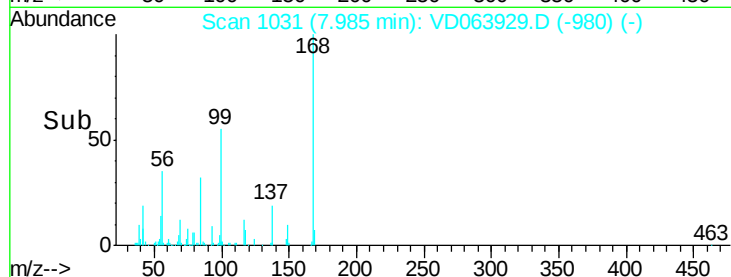
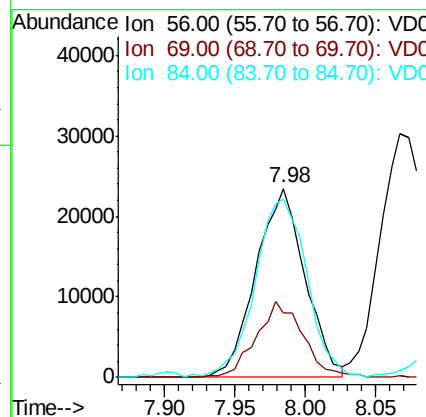
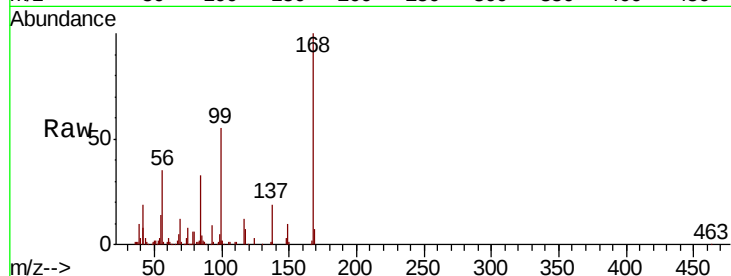
#31
Cyclohexane
Concen: 23.815 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.1	25.0	37.4
84	92.8	76.3	114.5

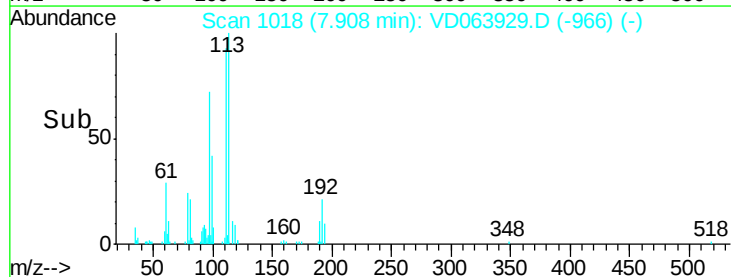
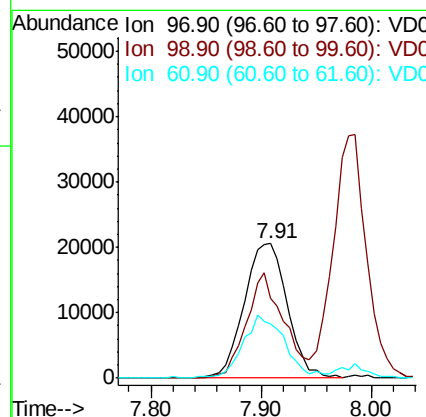
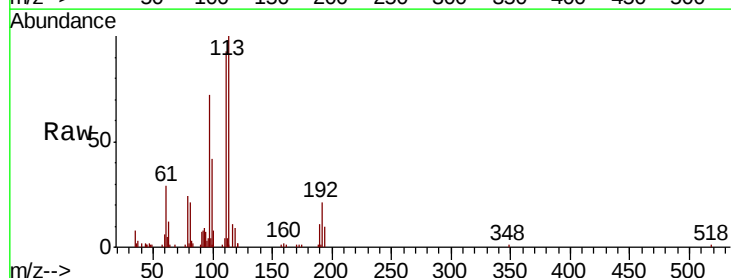
Manual Integrations
APPROVED

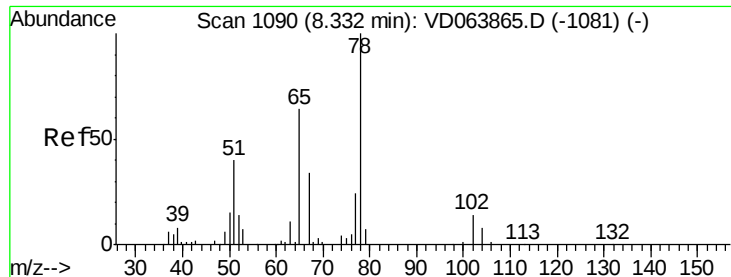
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 22.713 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
97	100		
99	68.2	52.4	78.6
61	45.2	33.8	50.8





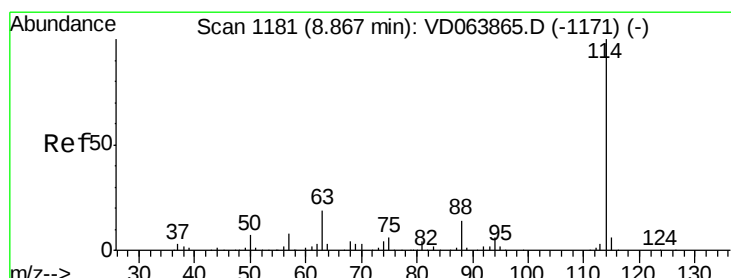
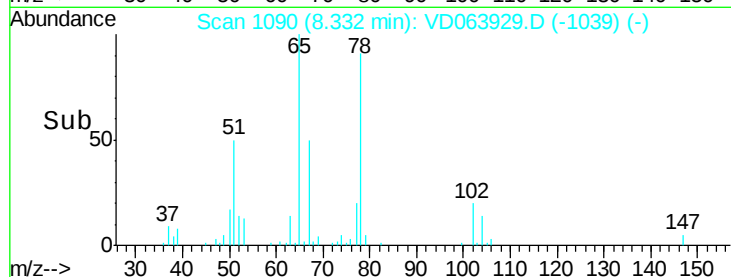
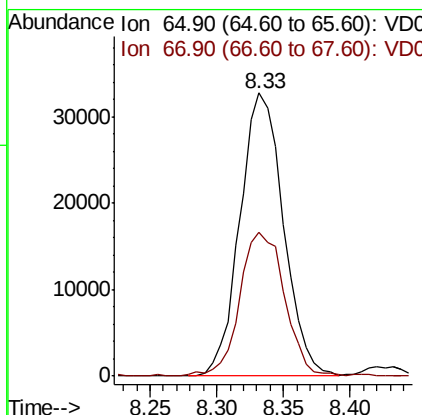
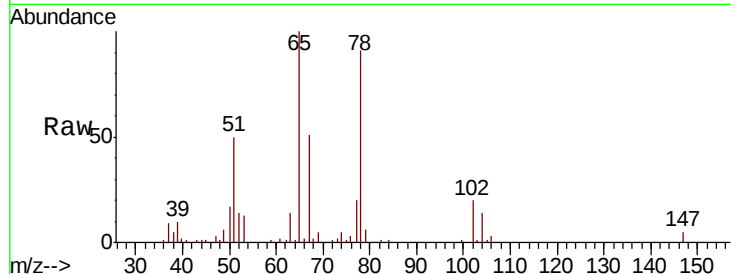
#33
 1,2-Dichloroethane-d4
 Concen: 49.915 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	106.4

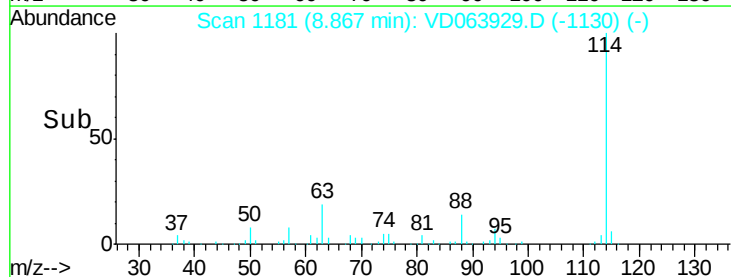
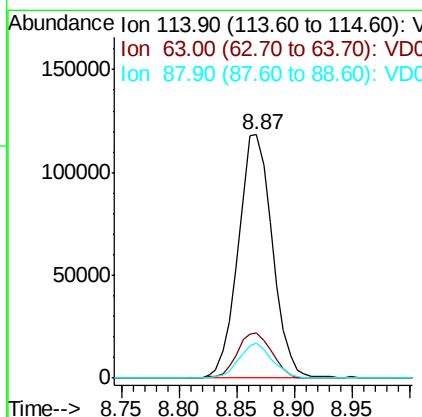
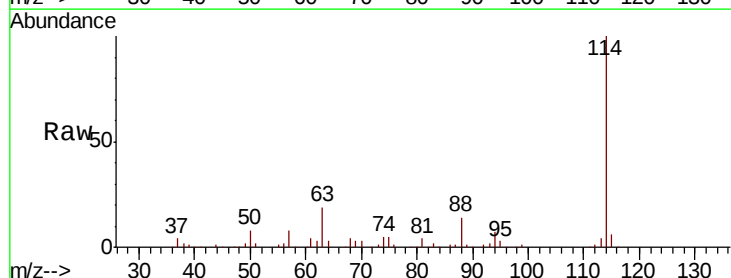
Manual Integrations
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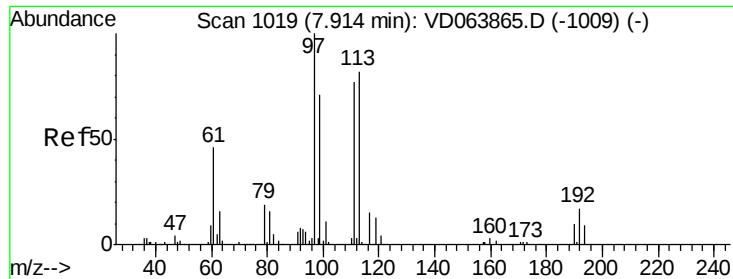
MMDadoda
 10/15/2019 4:13:45 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	38.4
88	14.2	0.0	27.4





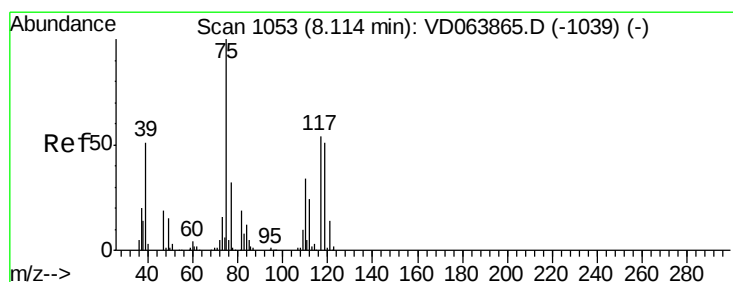
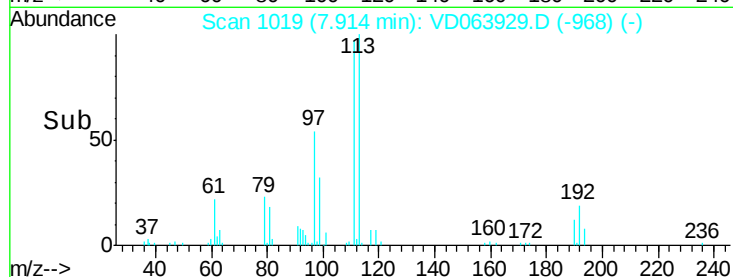
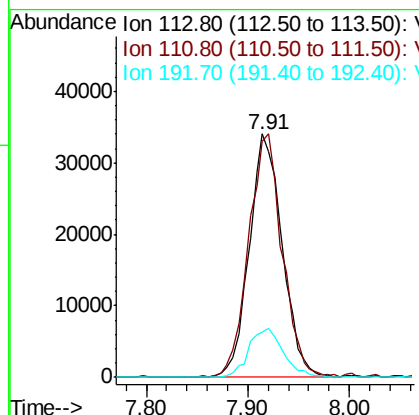
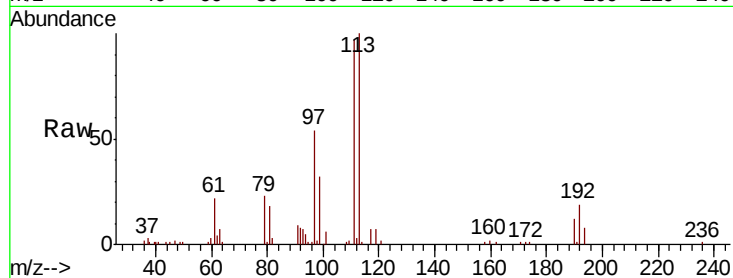
#35
Dibromofluoromethane
Concen: 51.565 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	123.8
192	21.0	17.1	25.7

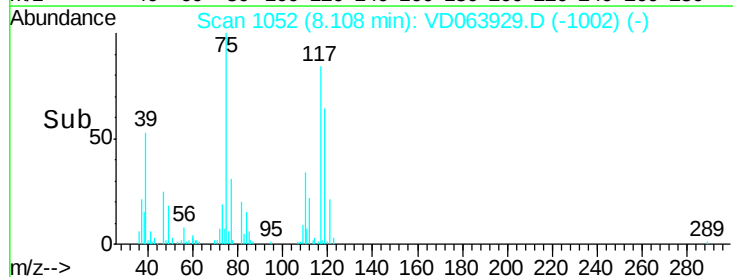
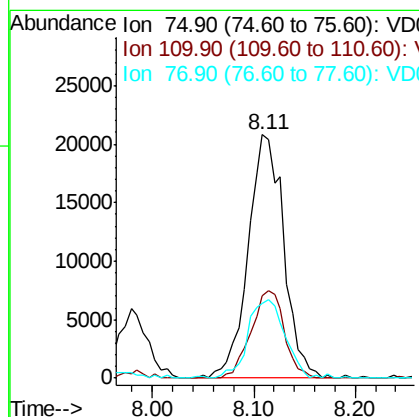
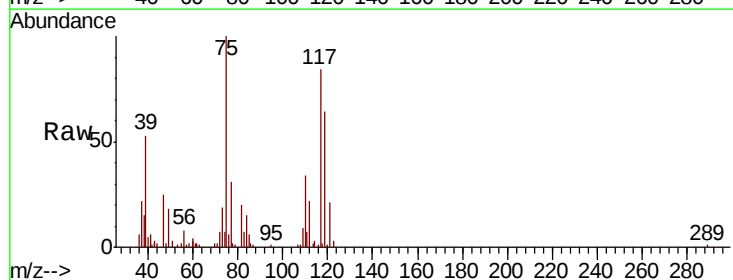
Manual Integrations
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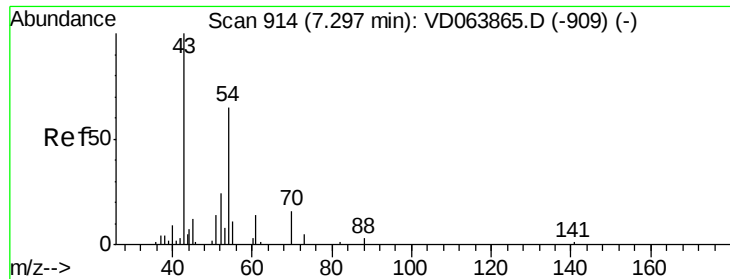
MMDadoda
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#36
1,1-Dichloropropene
Concen: 22.708 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	17.4	52.3
77	33.3	25.4	38.0





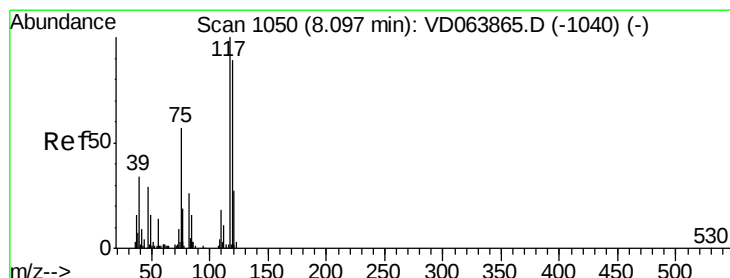
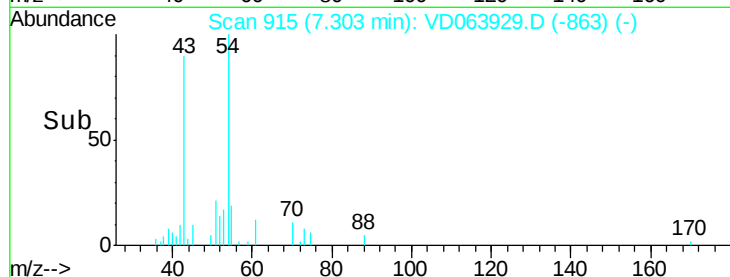
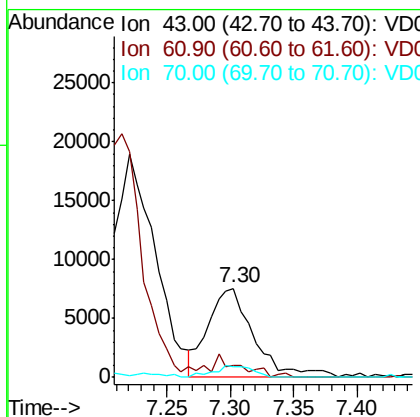
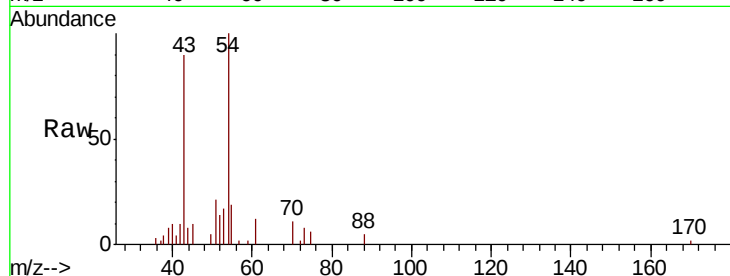
#37
Ethyl Acetate
Concen: 18.688 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleID :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	11.5	17.3
70	10.8	8.2	12.4

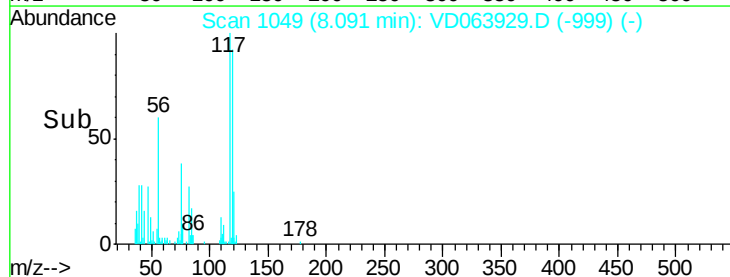
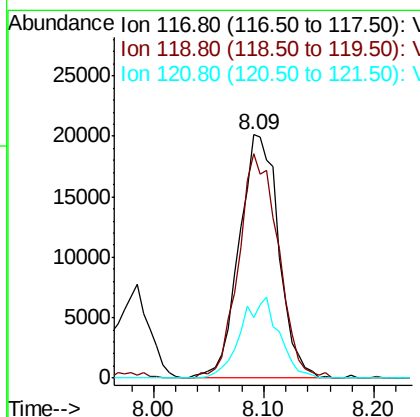
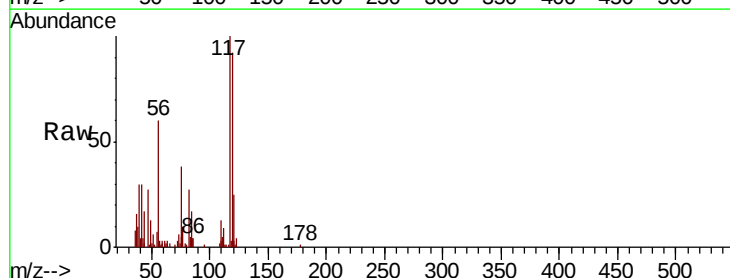
Manual Integrations
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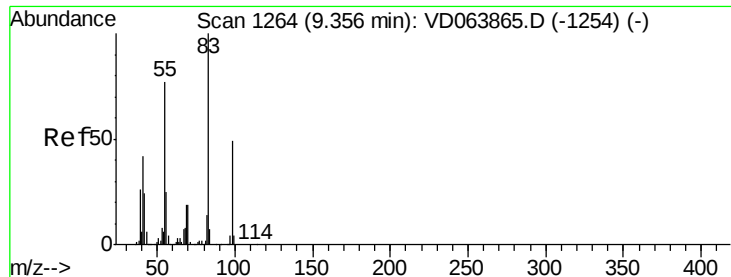
MMDadoda
10/15/2019 4:13:45 PM



#38
Carbon Tetrachloride
Concen: 22.439 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.3	70.8	106.2
121	24.7	21.4	32.0





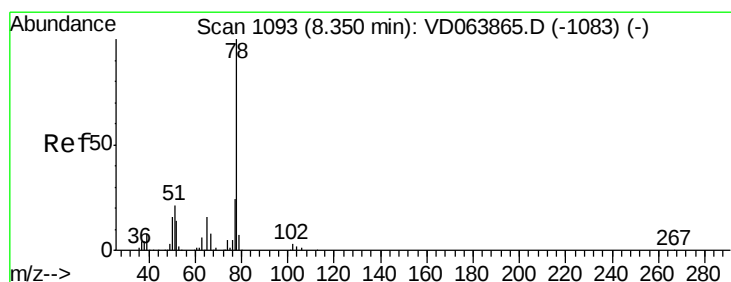
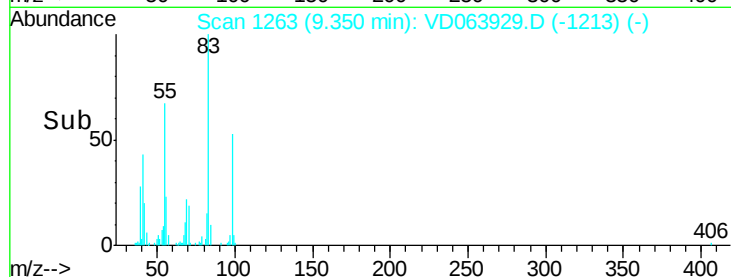
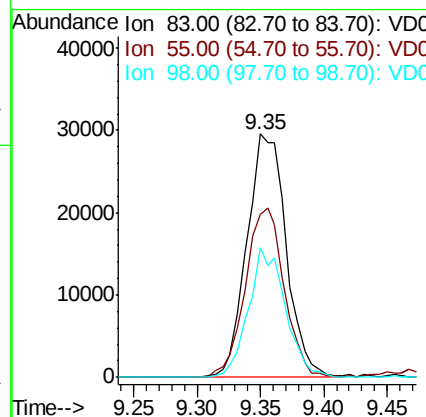
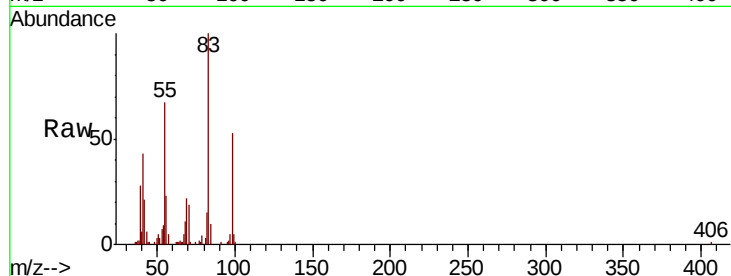
#39
Methvlcvclohexane
Concen: 23.254 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.2	61.3	91.9
98	53.3	39.3	58.9

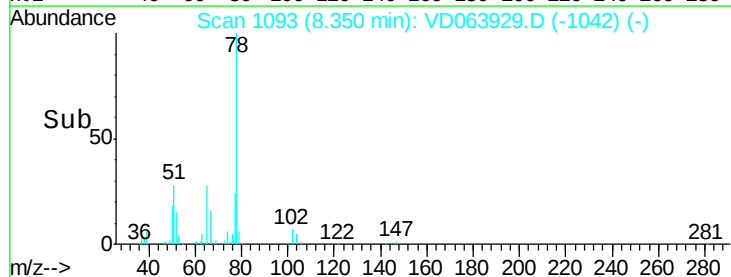
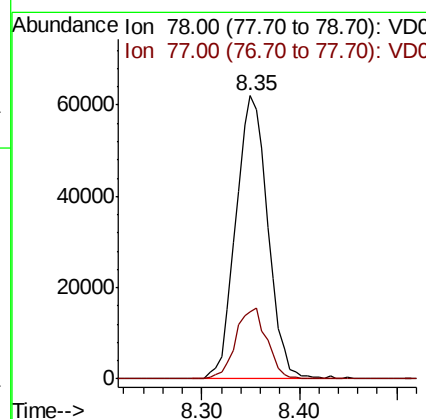
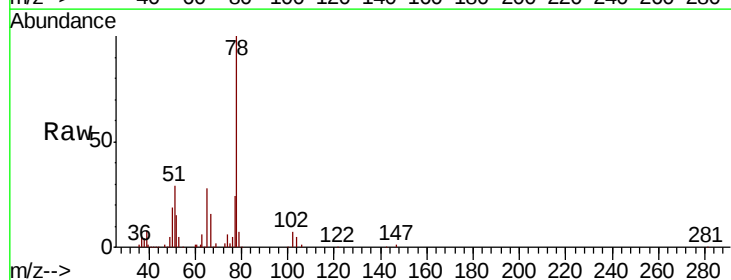
Manual Integrations
APPROVED

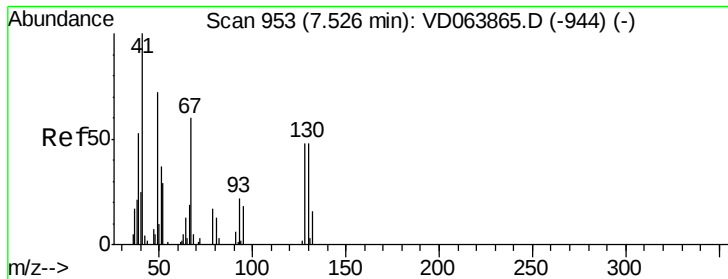
MMDadoda
10/15/2019 4:13:45 PM



#40
Benzene
Concen: 22.211 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.6





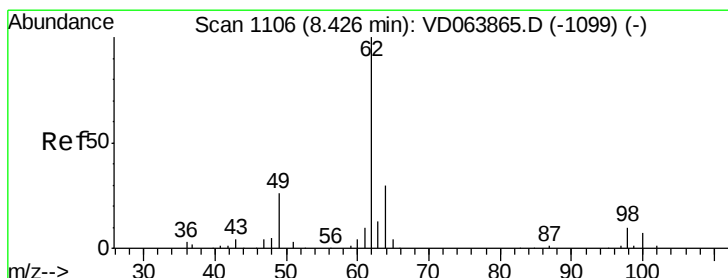
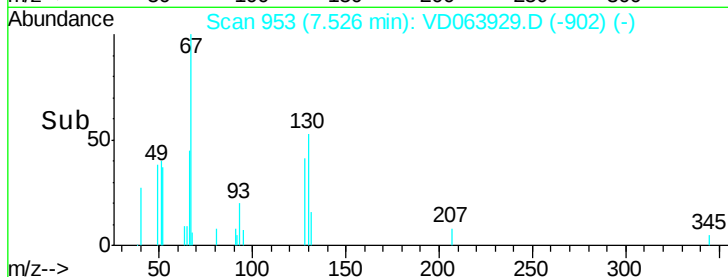
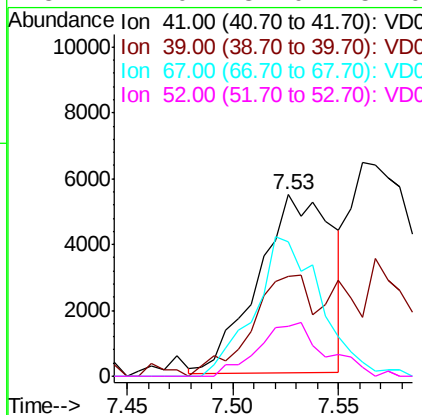
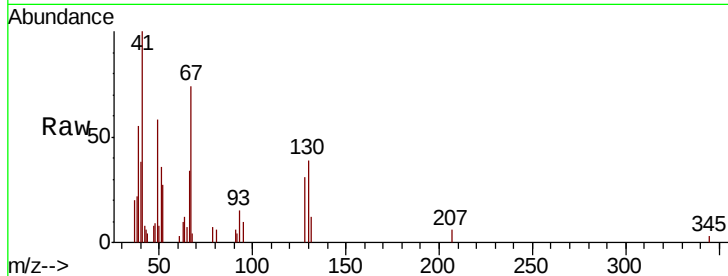
#41
Methacrylonitrile
Concen: 25.625 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	44.9	52.6	78.8#
67	70.2	74.2	111.2#
52	27.0	34.0	51.0#

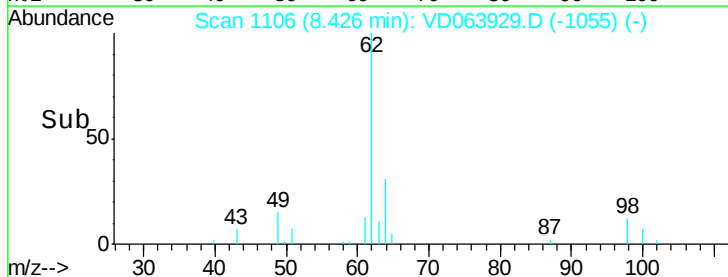
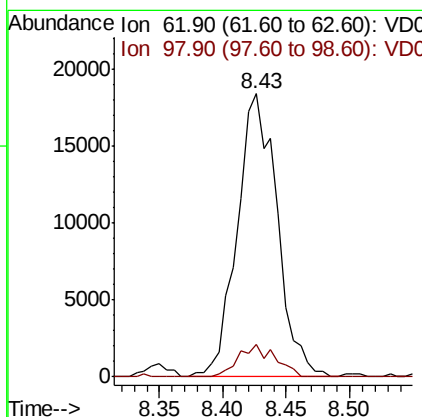
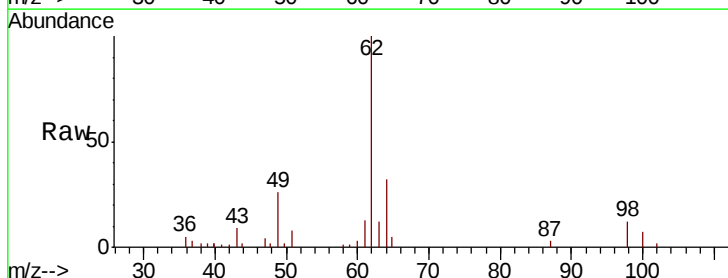
Manual Integrations
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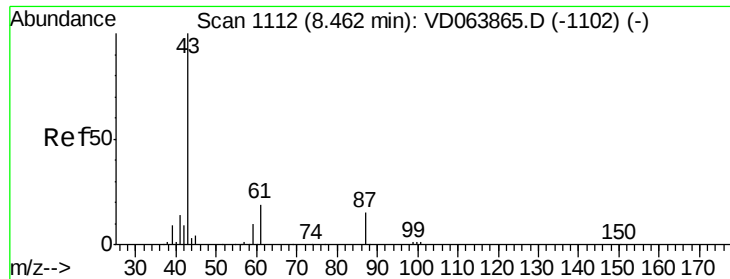
MMDadoda
10/15/2019 4:13:45 PM



#42
1,2-Dichloroethane
Concen: 21.835 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.0





#43

Isopropyl Acetate

Concen: 19.870 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

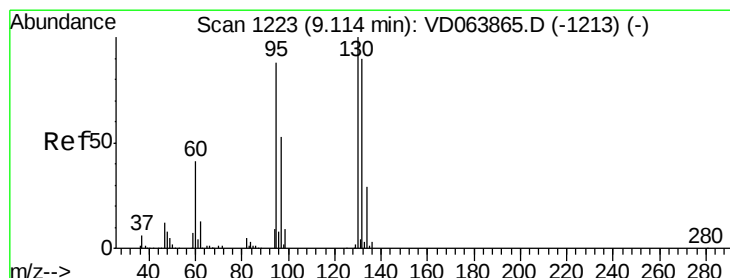
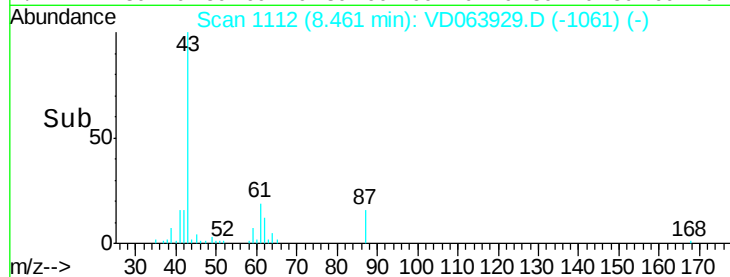
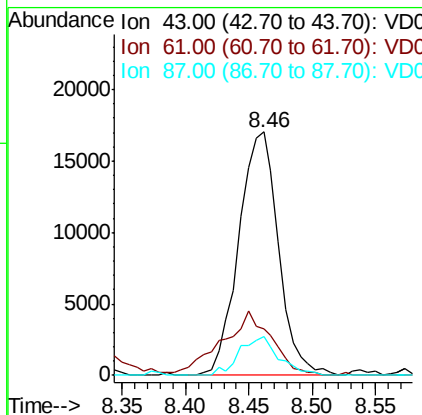
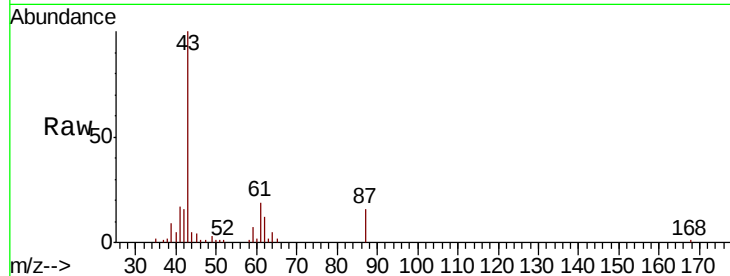
ClientSampleId :

VD1011SBS01

Tot Ion:	43	Resp:	37180
Ion	Ratio	Lower	Upper
43	100		
61	32.7	25.7	38.5
87	15.7	11.6	17.4

Manual Integrations
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#44

Trichloroethene

Concen: 21.450 ug/l

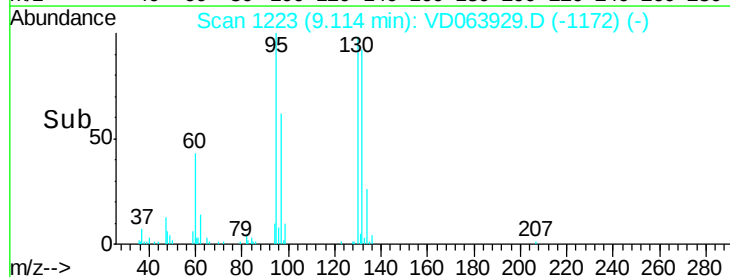
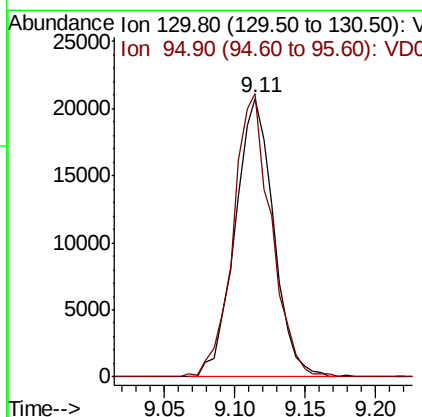
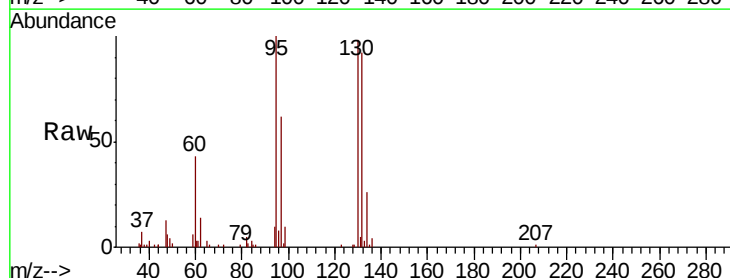
RT: 9.11 min Scan# 1223

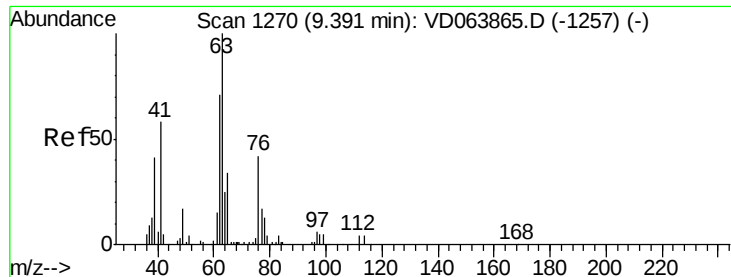
Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion:	130	Resp:	39550
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	175.6





#45

1,2-Dichloropropane

Concen: 22.353 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 63 Resp: 34984

Ion Ratio Lower Upper

63 100

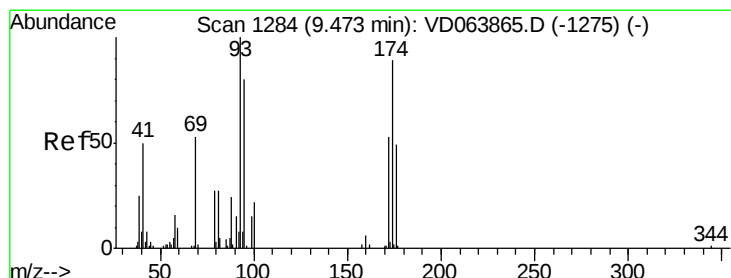
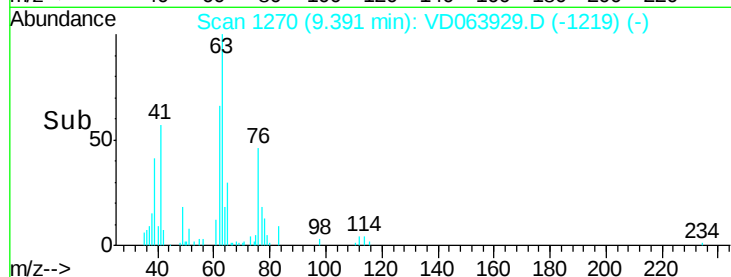
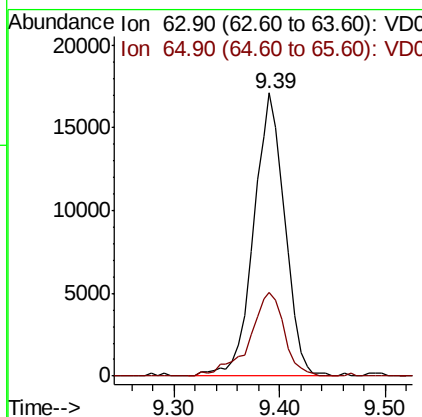
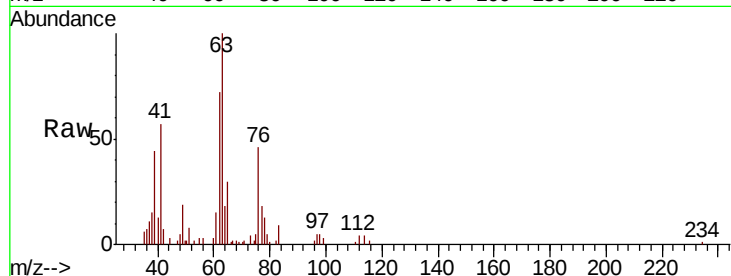
65 29.5 27.3 40.9

Manual Integrations

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#46

Dibromomethane

Concen: 20.586 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

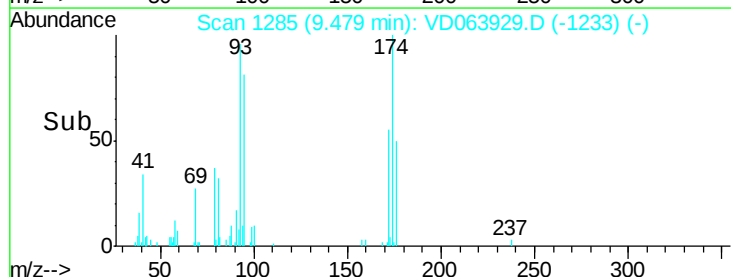
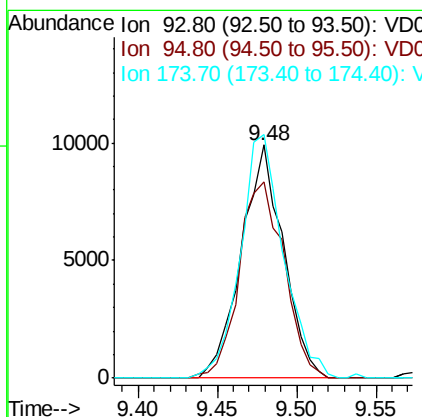
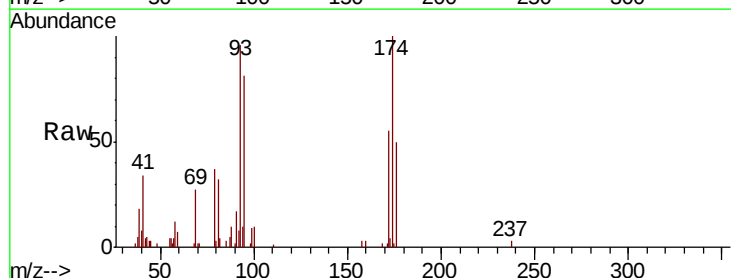
Tgt Ion: 93 Resp: 18349

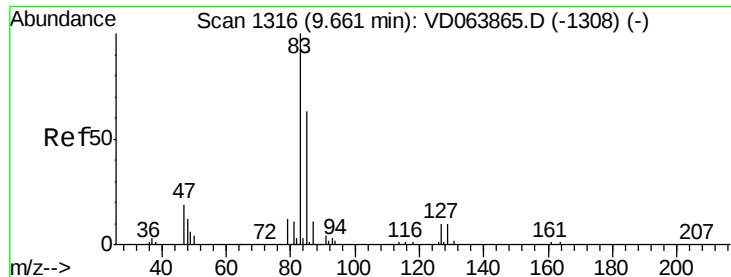
Ion Ratio Lower Upper

93 100

95 90.0 66.0 99.0

174 106.9 83.4 125.0





#47

Bromodichloromethane

Concen: 20.887 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

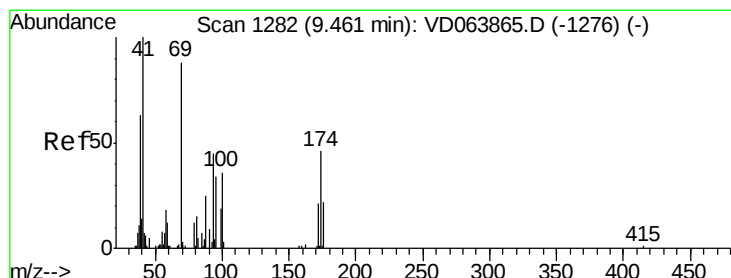
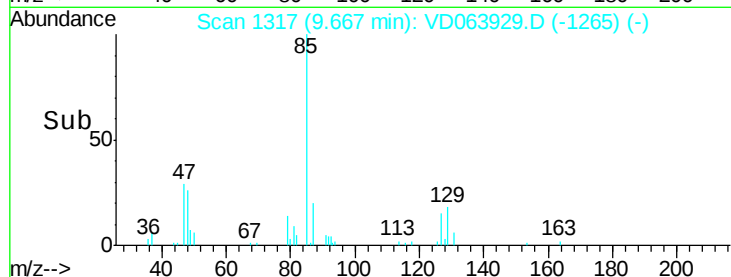
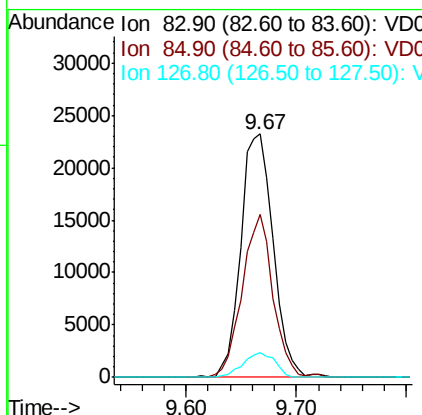
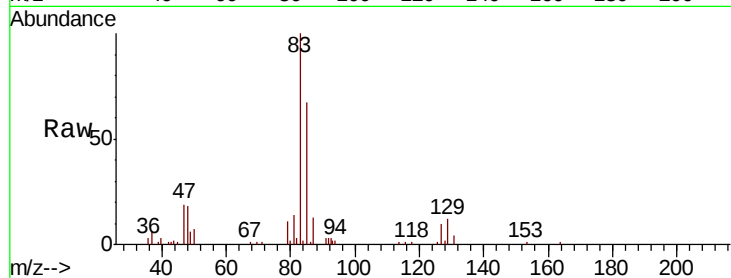
ClientSampleId :

VD1011SBS01

Tot Ion:	83	Resp:	47931
Ion	Ratio	Lower	Upper
83	100		
85	67.1	50.2	75.2
127	10.0	7.6	11.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.940 ug/l

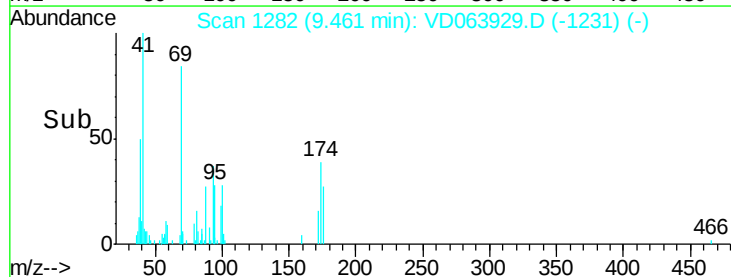
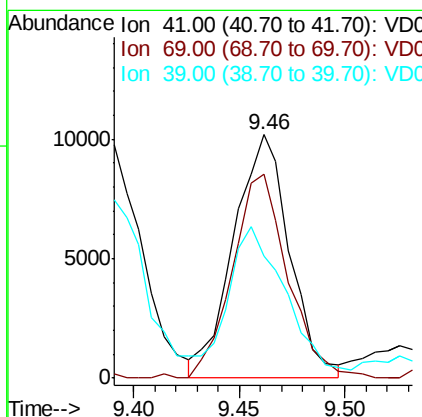
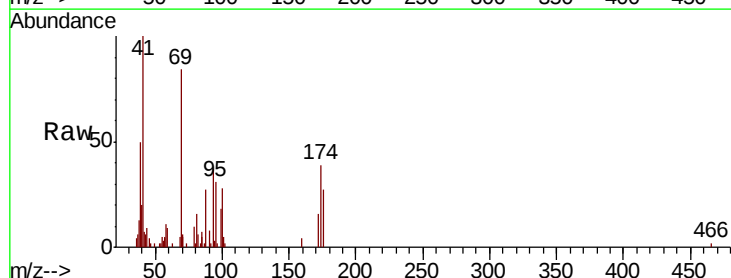
RT: 9.46 min Scan# 1282

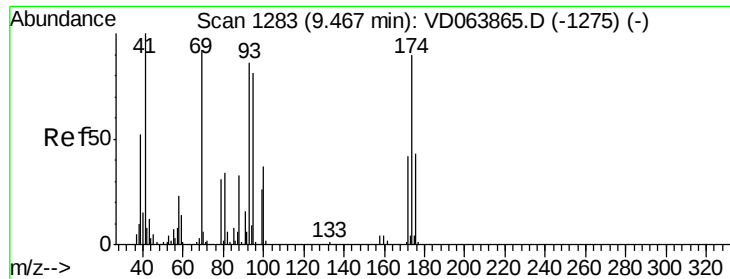
Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion:	41	Resp:	18774
Ion	Ratio	Lower	Upper
41	100		
69	83.1	75.1	112.7
39	63.7	50.2	75.2





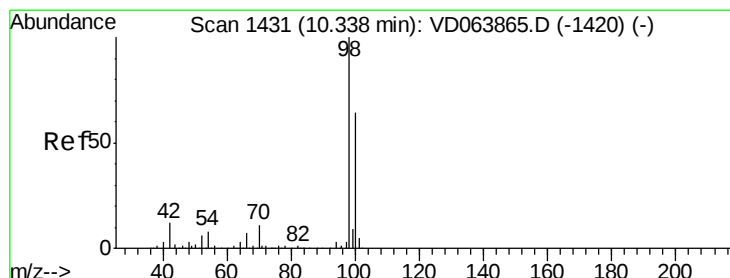
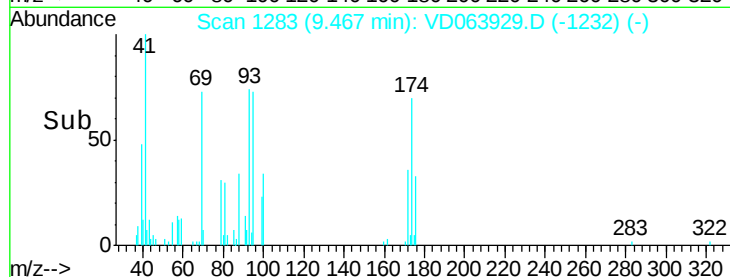
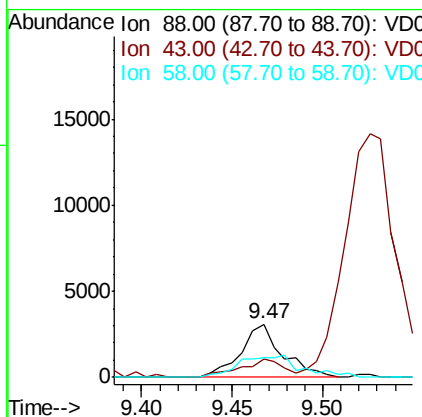
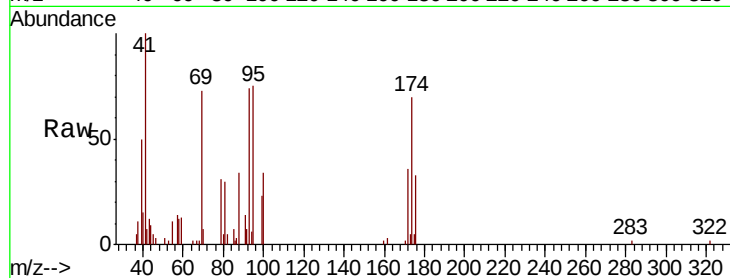
#49
1,4-Dioxane
Concen: 404.886 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	27.6	41.4
58	62.1	54.1	81.1

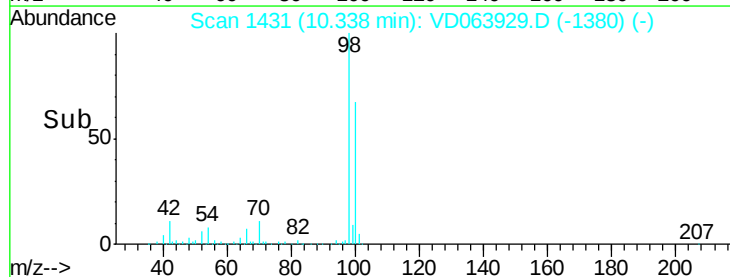
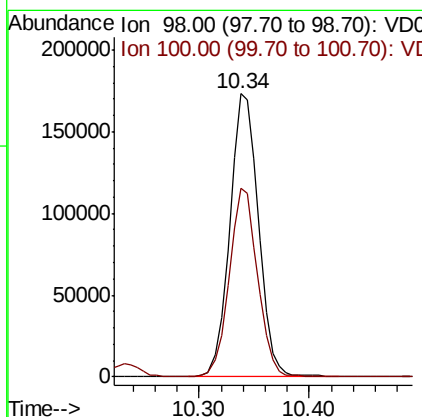
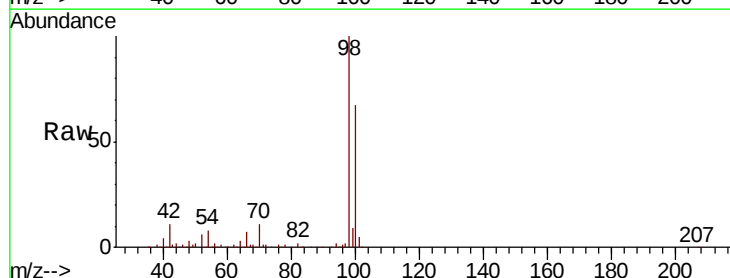
Manual Integrations
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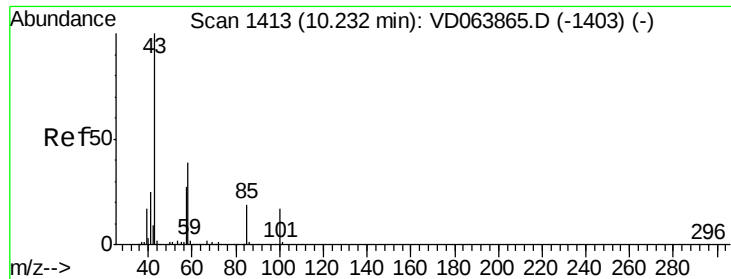
MMDadoda
10/15/2019 4:13:45 PM



#50
Toluene-d8
Concen: 52.066 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 101.773 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 43 Resp: 98765

Ion Ratio Lower Upper

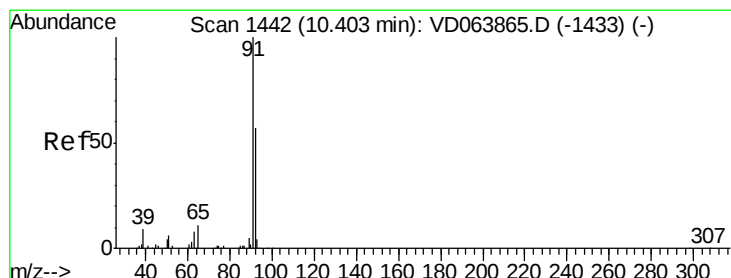
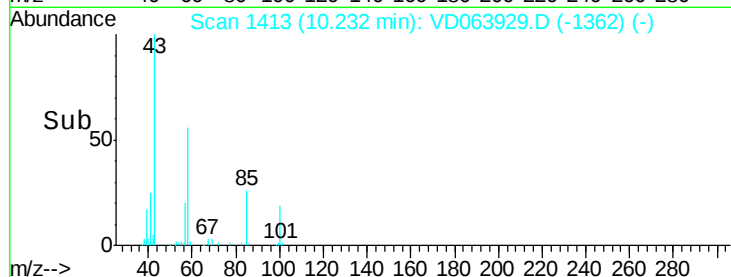
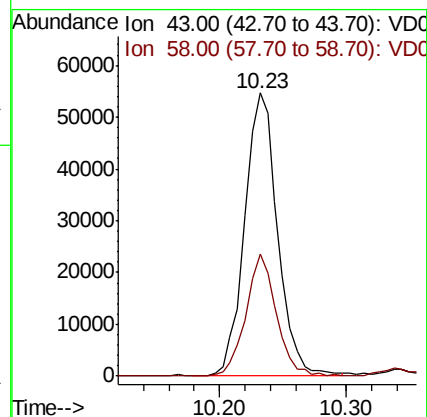
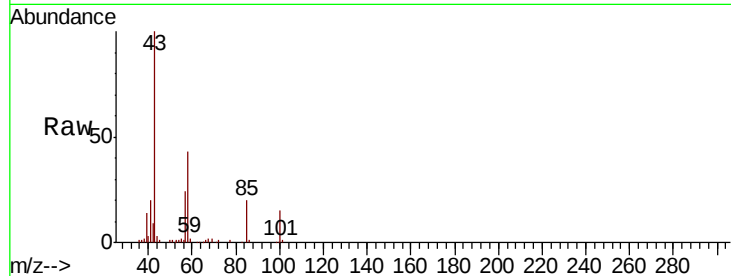
43 100

58 39.8 33.0 49.4

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#52

Toluene

Concen: 22.509 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD063929.D

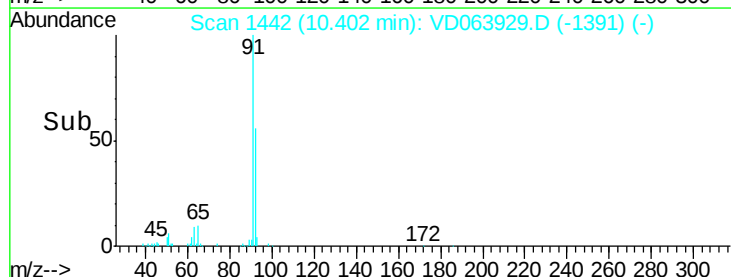
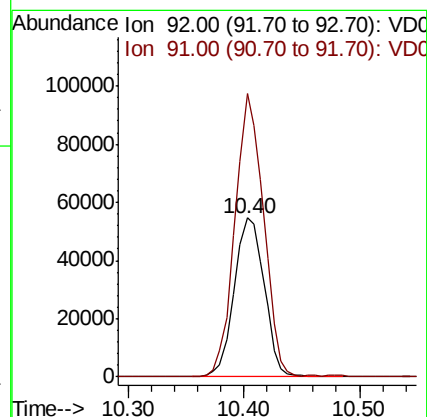
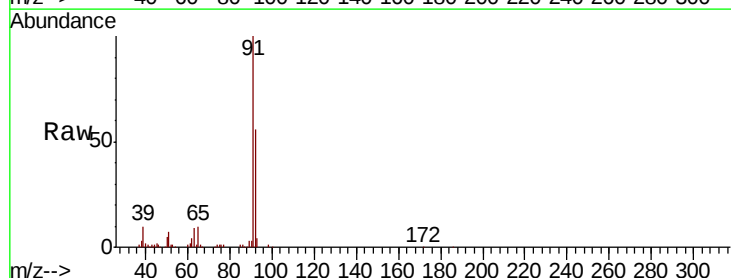
Acq: 11 Oct 2019 11:29

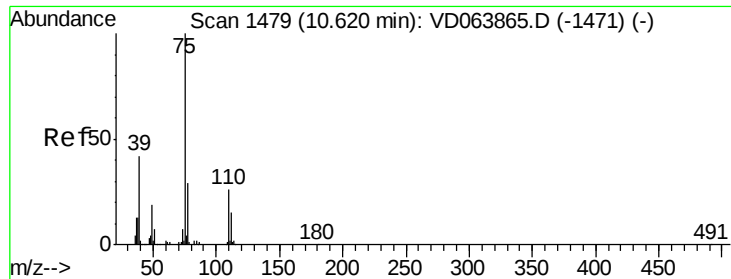
Tgt Ion: 92 Resp: 98803

Ion Ratio Lower Upper

92 100

91 169.2 139.5 209.3





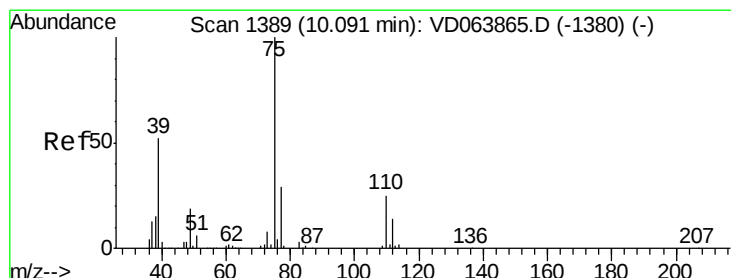
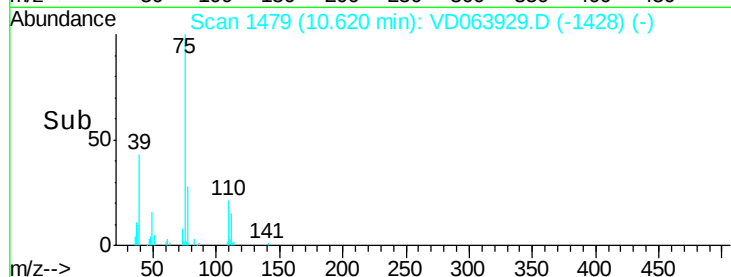
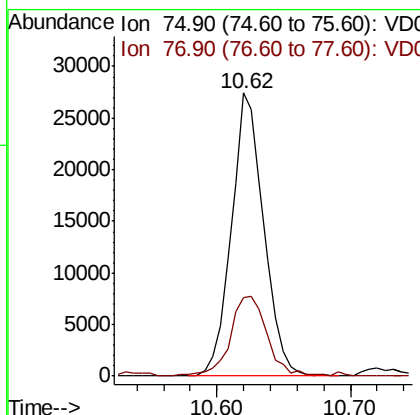
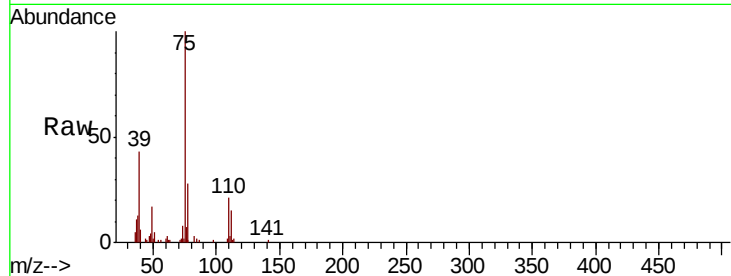
#53
 t-1,3-Dichloropropene
 Concen: 20.588 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion: 75 Resp: 46102
 Ion Ratio Lower Upper
 75 100
 77 27.0 22.8 34.2

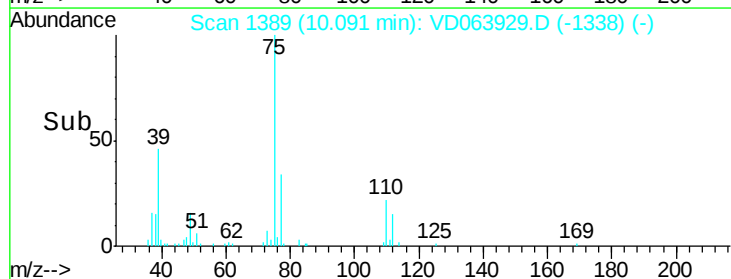
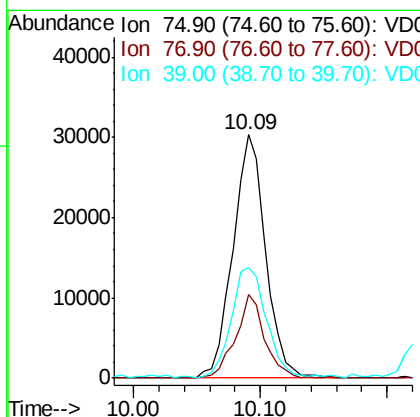
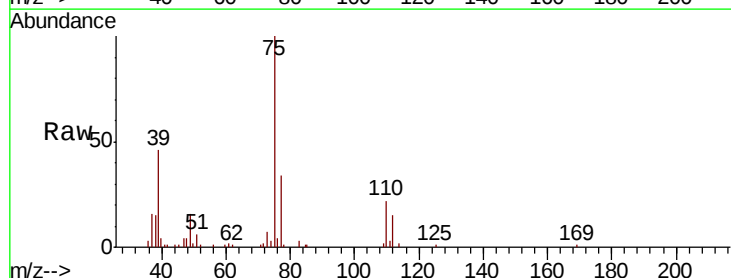
Manual Integrations
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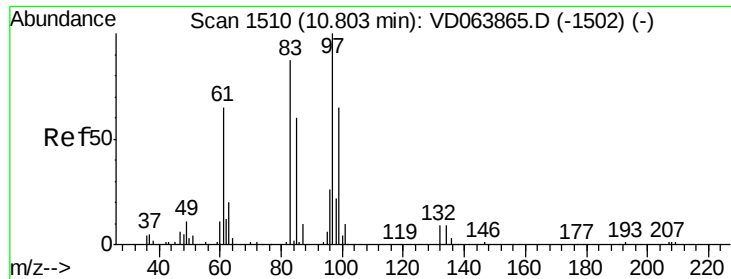
MMDadoda
 10/15/2019 4:13:45 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.848 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 75 Resp: 53740
 Ion Ratio Lower Upper
 75 100
 77 34.3 23.2 34.8
 39 44.8 41.5 62.3





#55

1,1,2-Trichloroethane

Concen: 21.164 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 97 Resp: 26635

Ion Ratio Lower Upper

97 100

83 89.1 69.7 104.5

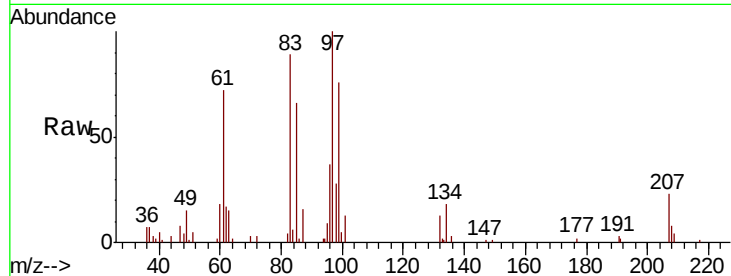
85 66.2 48.1 72.1

99 76.4 51.9 77.9

Manual Integrations
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10/15/2019 4:13:45 PM

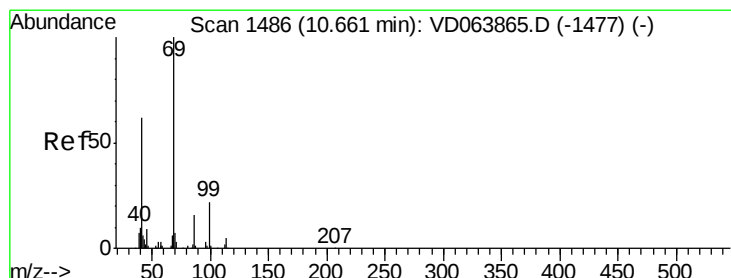
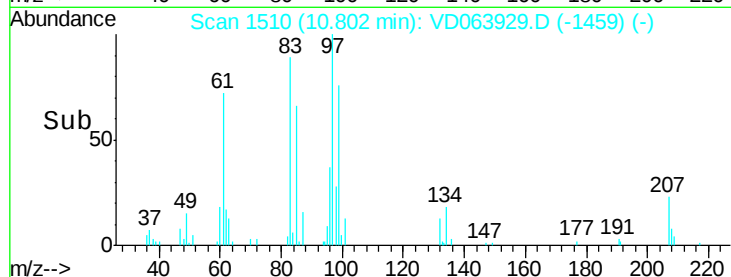
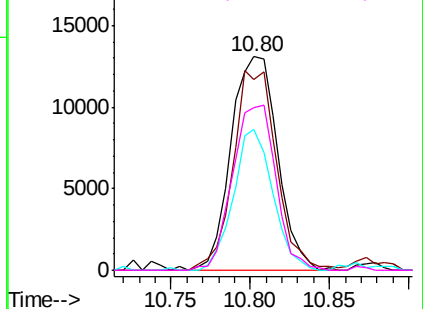


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 19.401 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

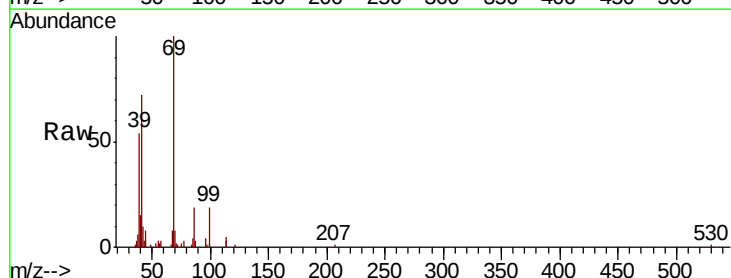
Tgt Ion: 69 Resp: 30919

Ion Ratio Lower Upper

69 100

41 69.2 51.3 76.9

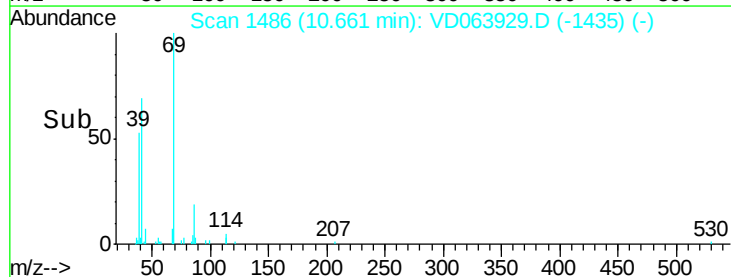
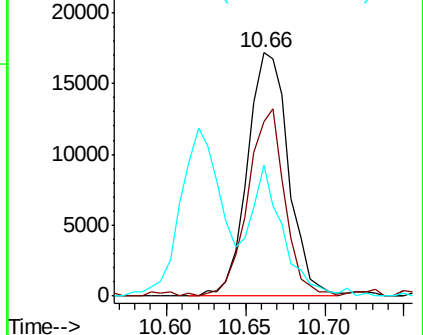
39 40.5 28.0 42.0

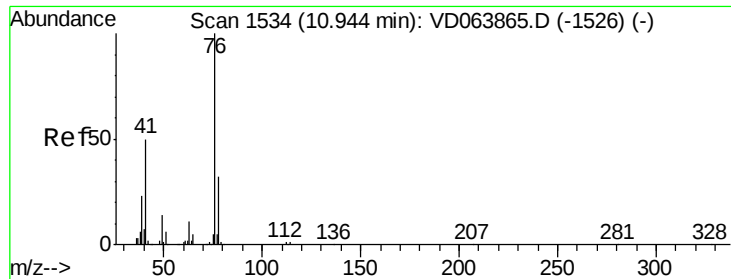


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





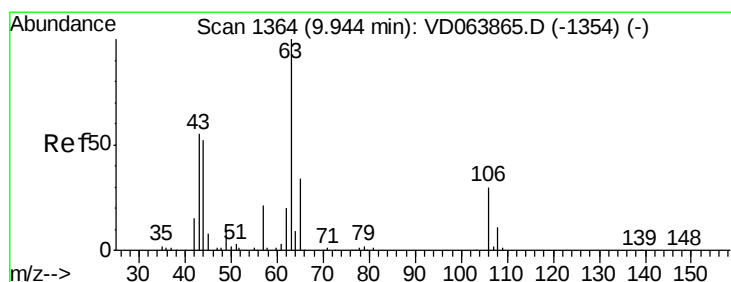
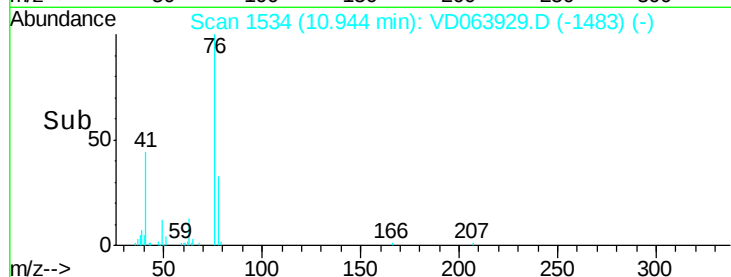
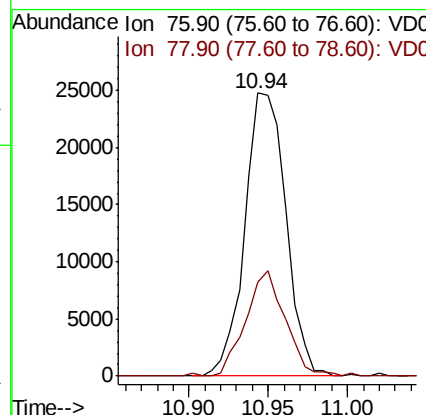
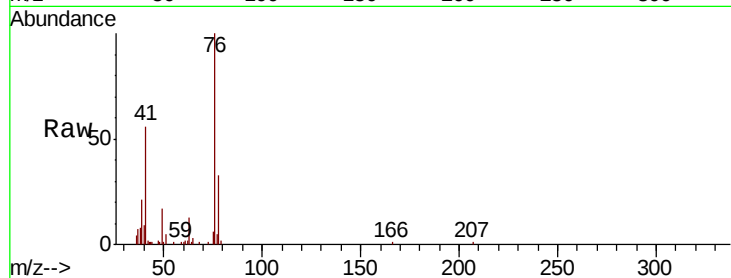
#57
 1,3-Dichloropropane
 Concen: 20.798 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion: 76 Resp: 44782
 Ion Ratio Lower Upper
 76 100
 78 35.8 26.6 40.0

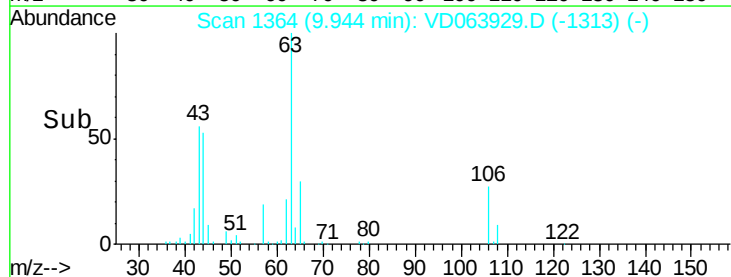
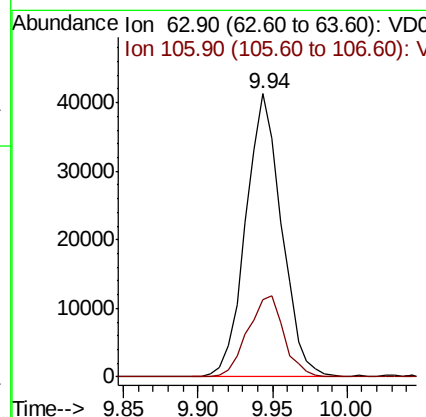
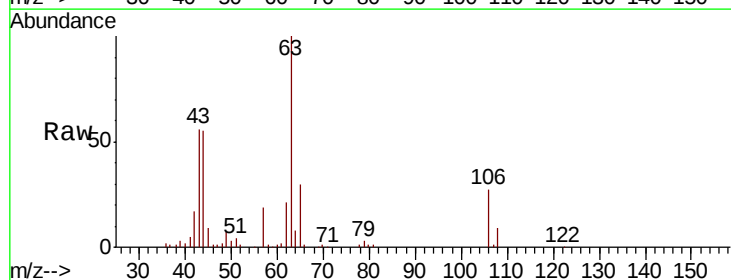
Manual Integrations
 APPROVED

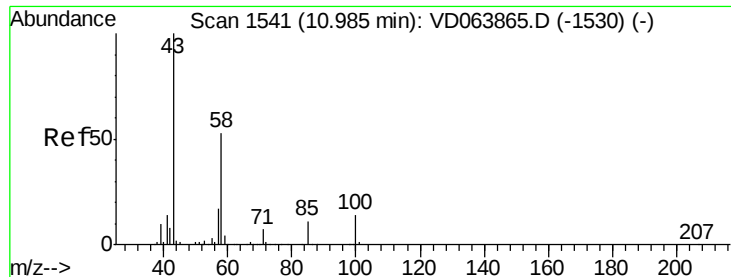
MMDadoda
 10/15/2019 4:13:45 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 100.101 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 63 Resp: 68573
 Ion Ratio Lower Upper
 63 100
 106 28.7 24.3 36.5





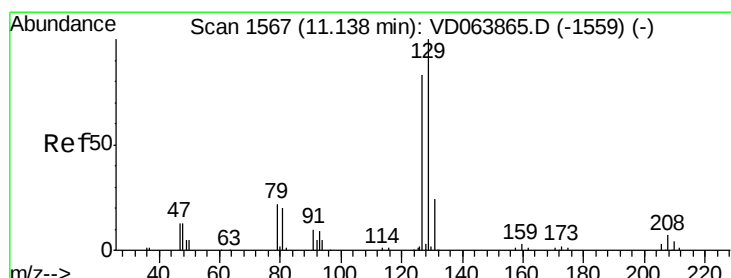
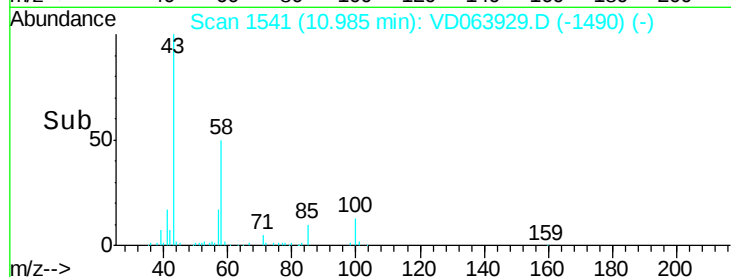
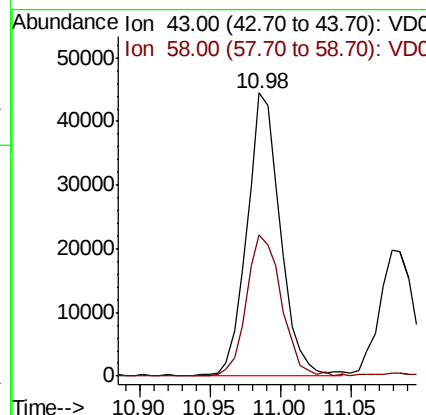
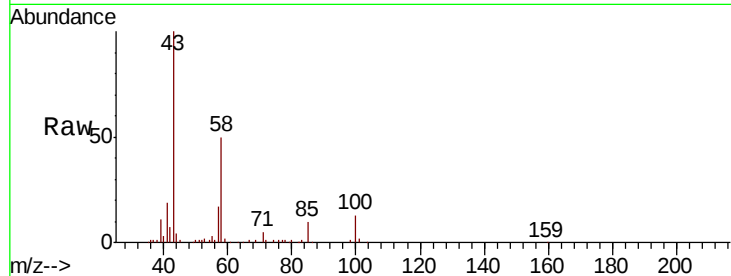
#59
2-Hexanone
Concen: 105.047 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion: 43 Resp: 73742
Ion Ratio Lower Upper
43 100
58 52.2 27.7 83.0

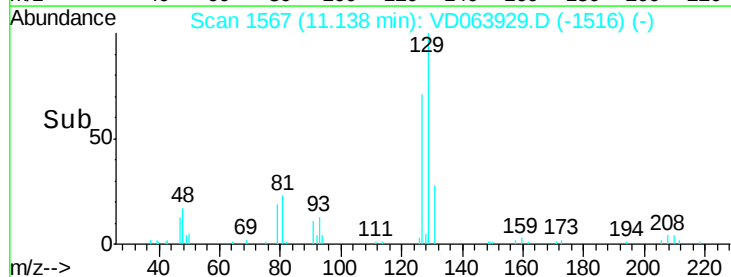
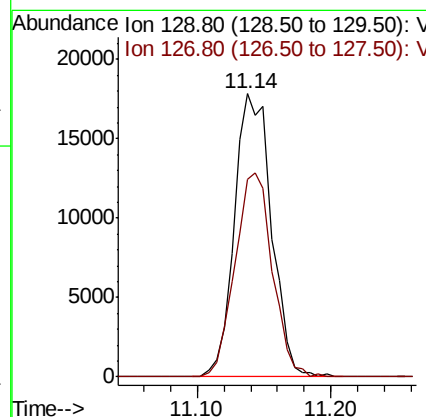
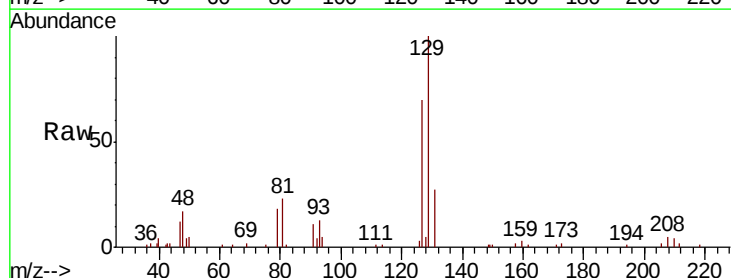
Manual Integrations
APPROVED

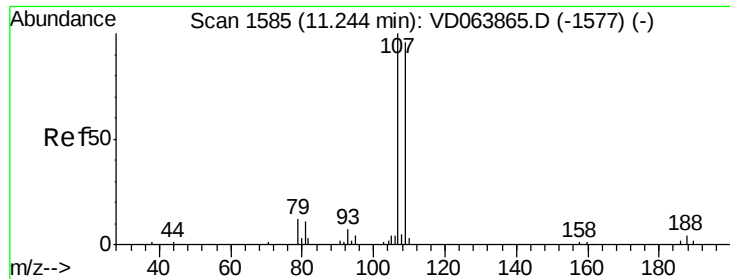
MMDadoda
10/15/2019 4:13:45 PM



#60
Dibromochloromethane
Concen: 20.905 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 129 Resp: 34251
Ion Ratio Lower Upper
129 100
127 72.9 39.9 119.6





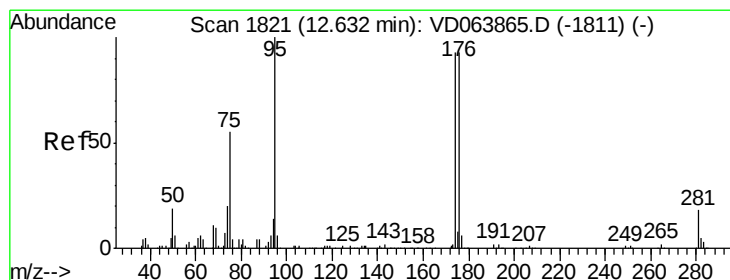
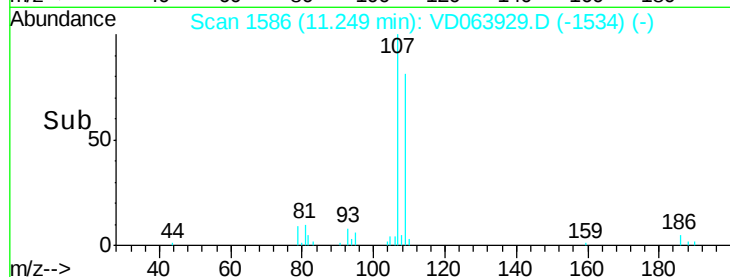
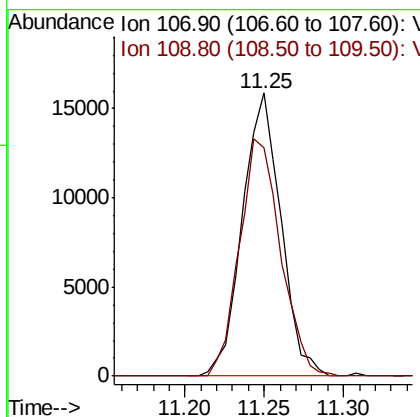
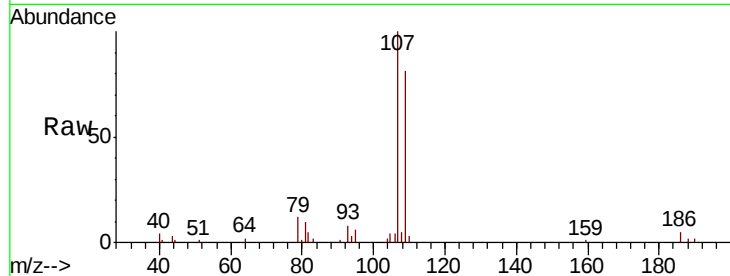
#61
 1,2-Dibromoethane
 Concen: 22.007 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.01 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion: 107 Resp: 26850
 Ion Ratio Lower Upper
 107 100
 109 89.4 75.2 112.8

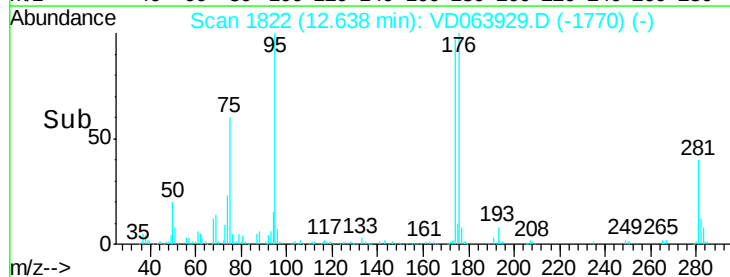
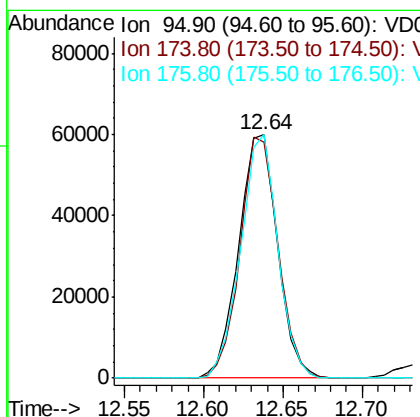
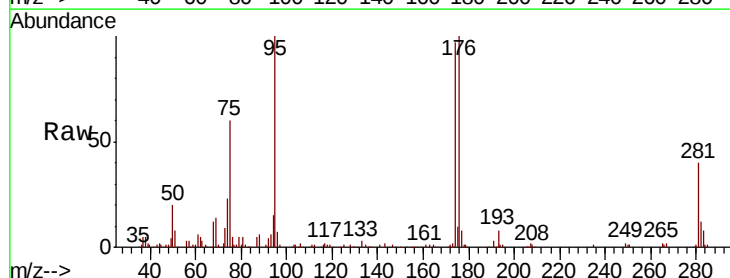
Manual Integrations
 APPROVED

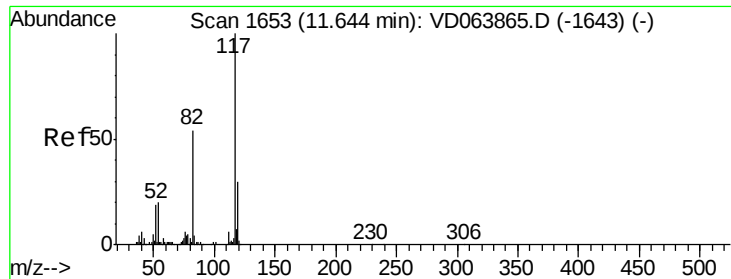
MMDadoda
 10/15/2019 4:13:45 PM



#62
 4-Bromofluorobenzene
 Concen: 48.572 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.01 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion: 95 Resp: 102169
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 186.4
 176 95.4 0.0 184.2





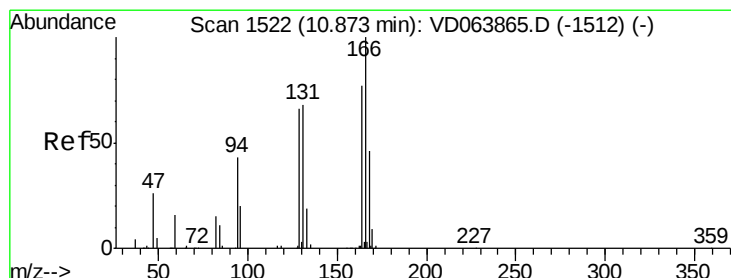
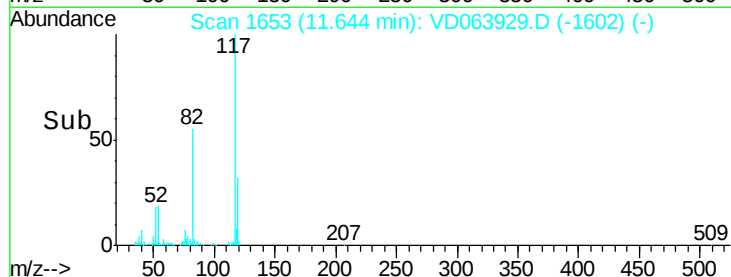
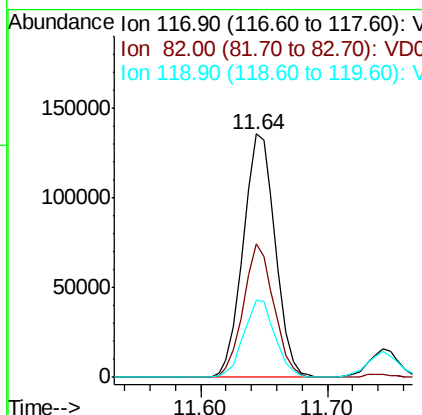
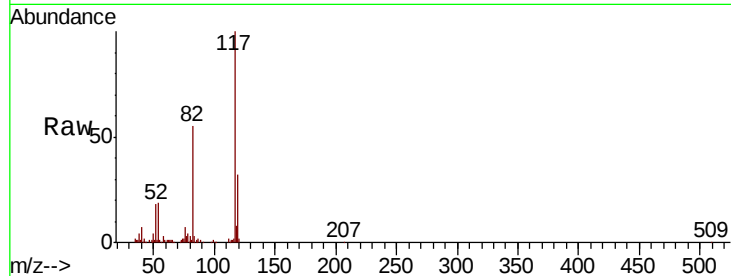
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.8	64.2
119	32.0	24.4	36.6

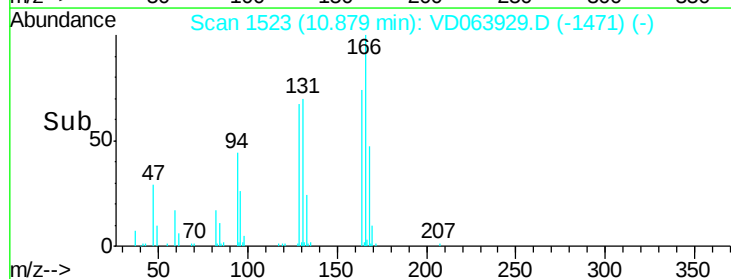
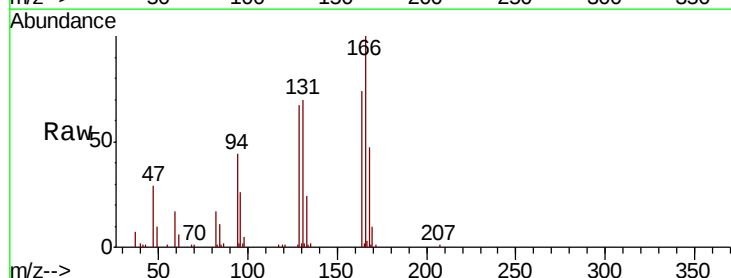
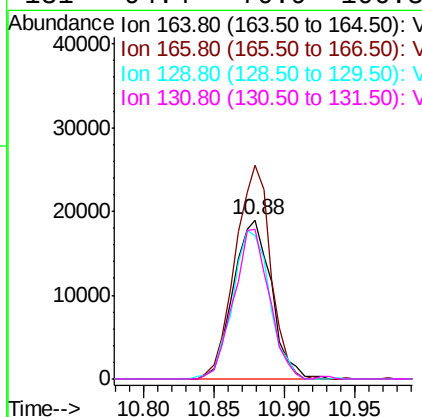
Manual Integrations
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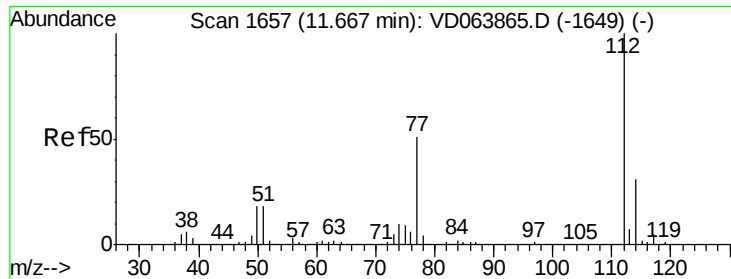
MMDadoda
10/15/2019 4:13:45 PM



#64
Tetrachloroethene
Concen: 22.014 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.5	103.8	155.6
129	90.5	68.9	103.3
131	94.4	70.9	106.3





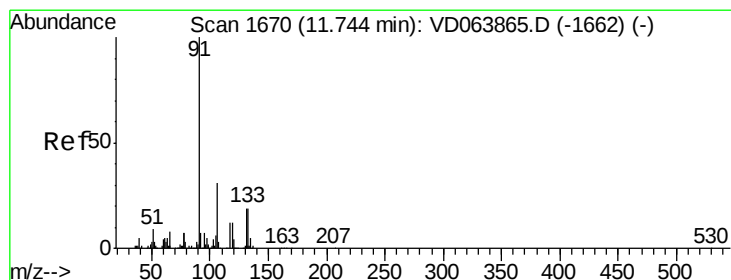
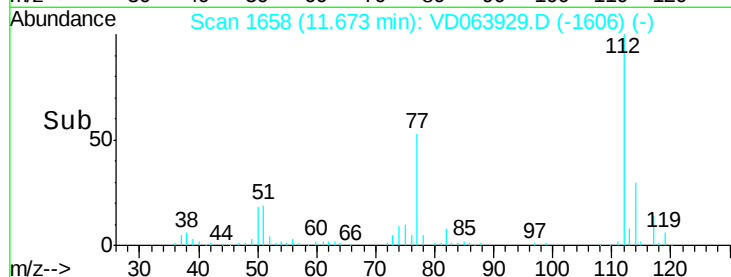
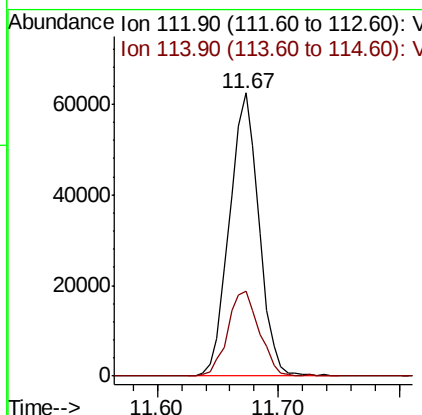
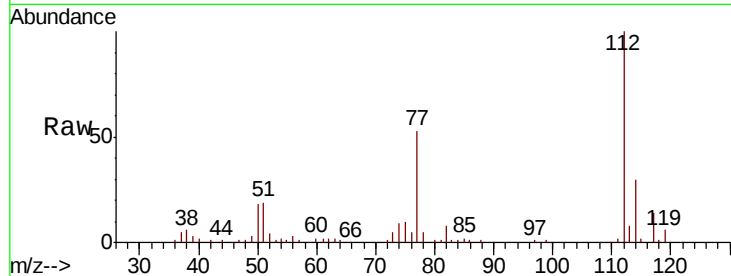
#65
Chlorobenzene
Concen: 22.083 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion:112 Resp: 106037
Ion Ratio Lower Upper
112 100
114 30.0 25.1 37.7

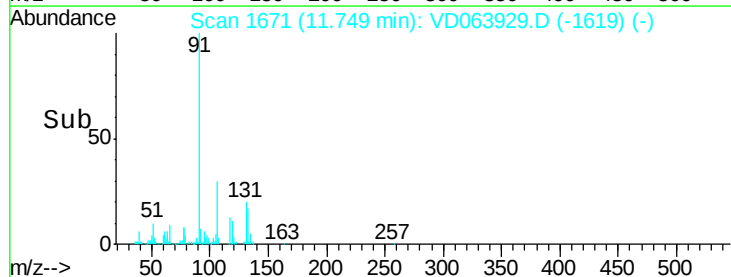
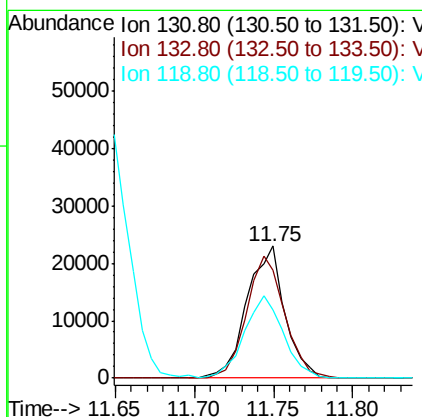
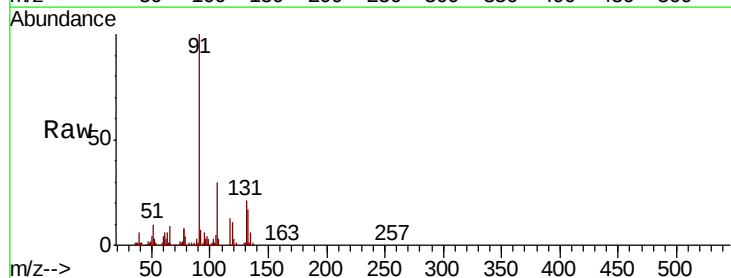
Manual Integrations
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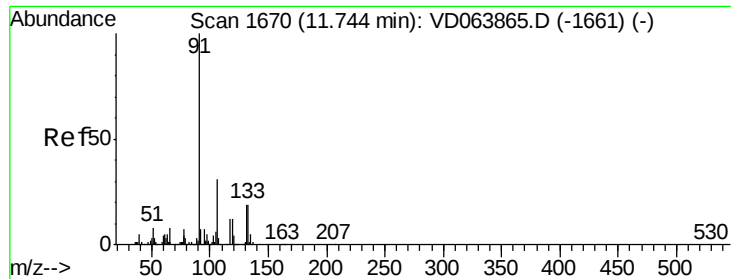
MMDadoda
10/15/2019 4:13:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.511 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion:131 Resp: 38060
Ion Ratio Lower Upper
131 100
133 93.4 48.9 146.7
119 64.1 32.6 97.8





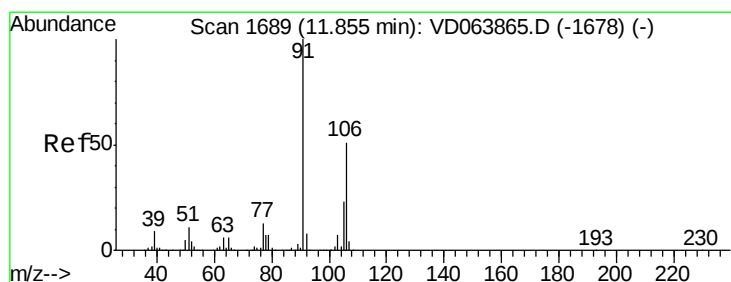
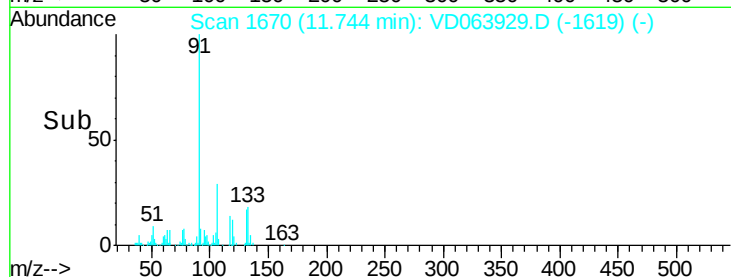
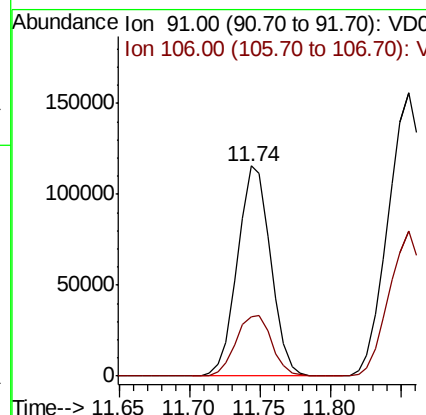
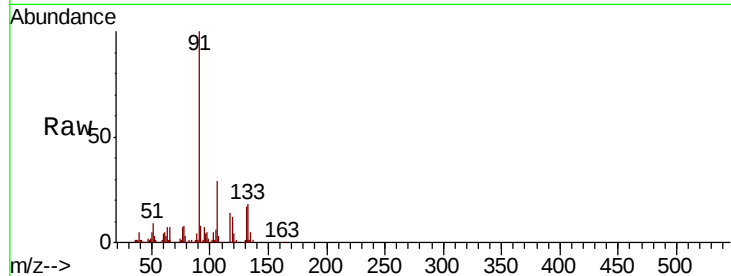
#67
Ethyl Benzene
Concen: 22.001 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.6	37.0

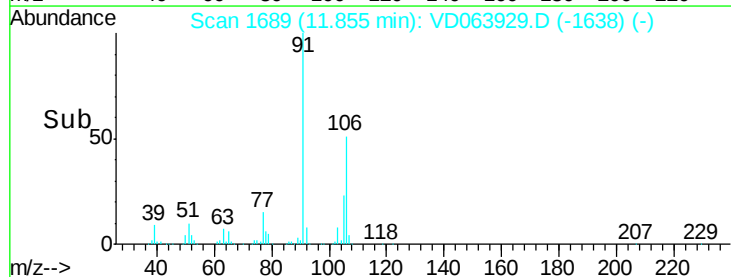
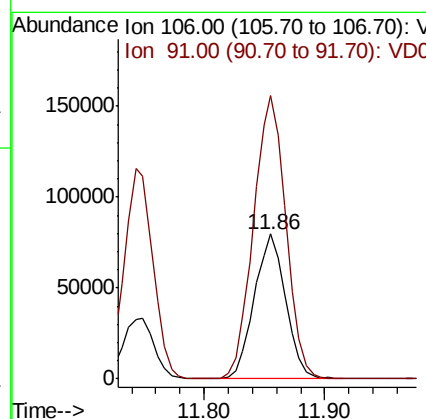
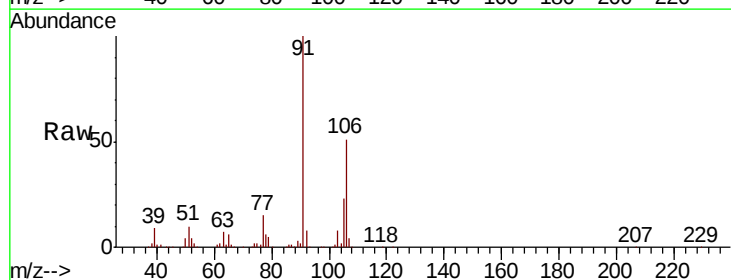
Manual Integrations
APPROVED

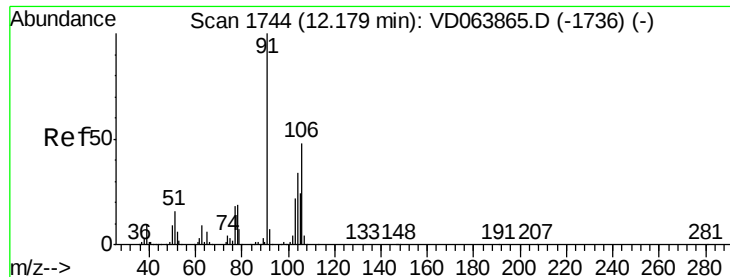
MMDadoda
10/15/2019 4:13:45 PM



#68
m/p-Xylenes
Concen: 43.489 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
106	100		
91	200.2	154.8	232.2





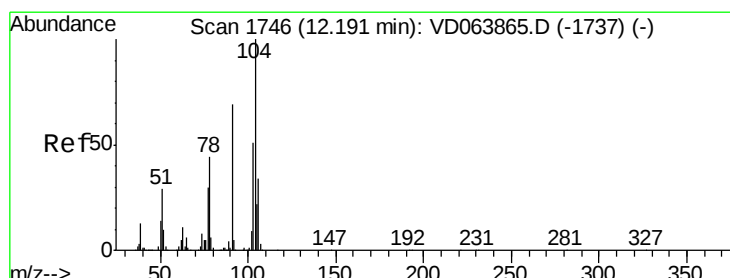
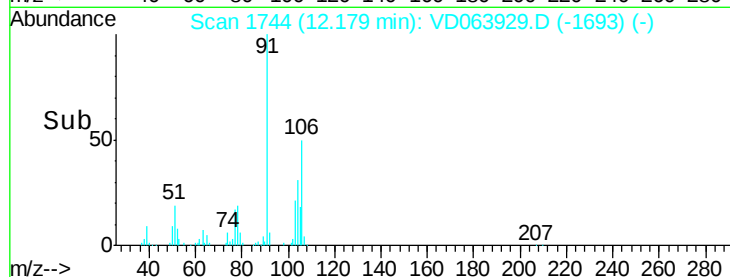
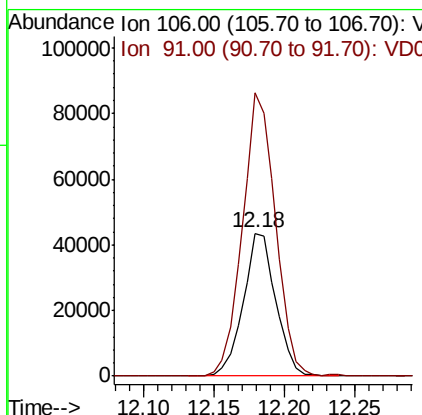
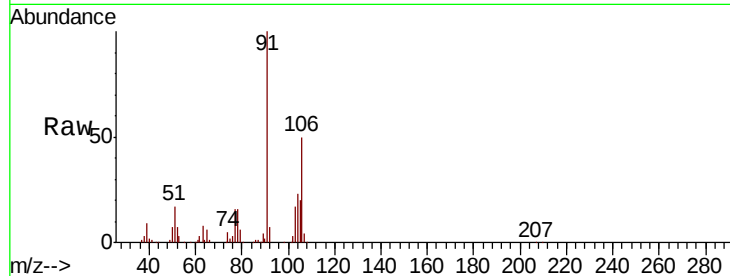
#69
o-Xylene
Concen: 21.899 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	201.7	103.9	311.7	

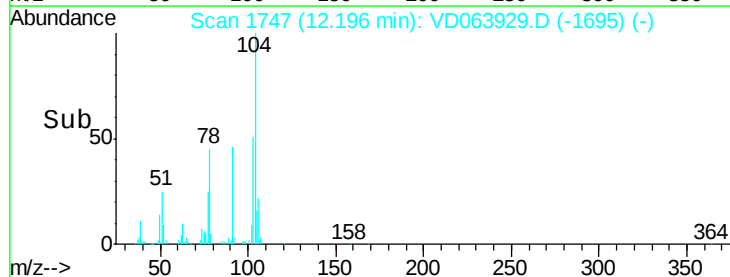
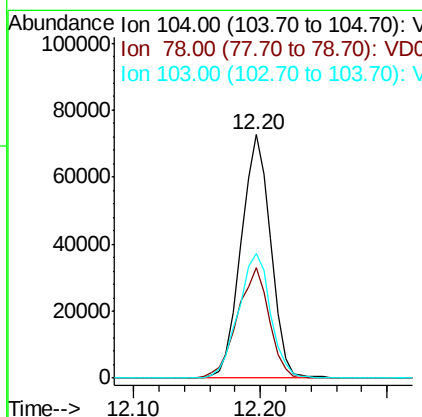
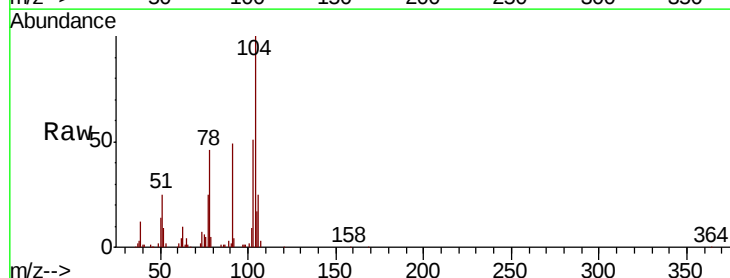
Manual Integrations
APPROVED

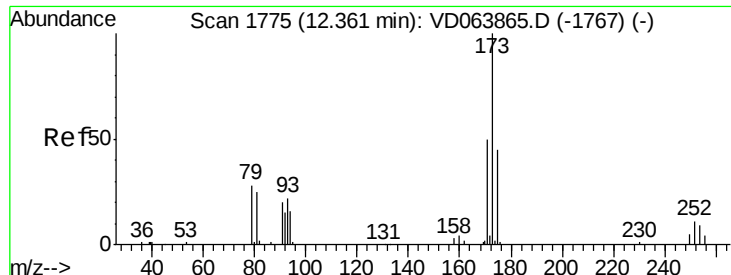
MMDadoda
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#70
Styrene
Concen: 21.771 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.7	37.0	55.4	
103	55.9	44.2	66.4	





#71

Bromoform

Concen: 20.753 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion:173 Resp: 19706

Ion Ratio Lower Upper

173 100

175 50.0 24.6 74.0

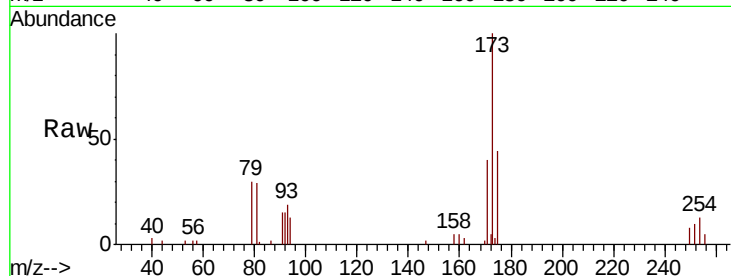
254 0.0 0.0 0.0

Manual Integrations

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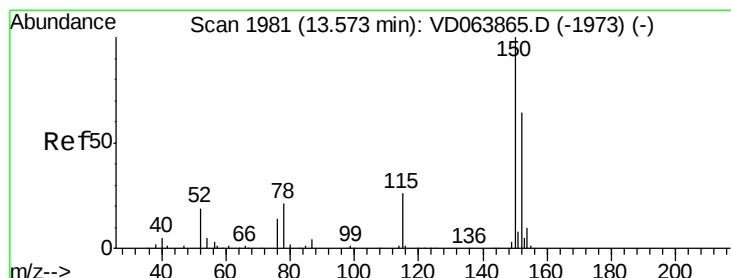
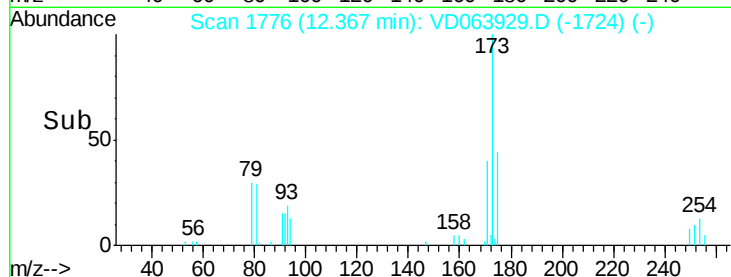
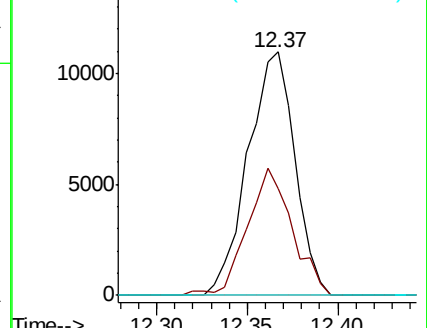
10/15/2019 4:13:45 PM



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: VD063929.D

Acq: 11 Oct 2019 11:29

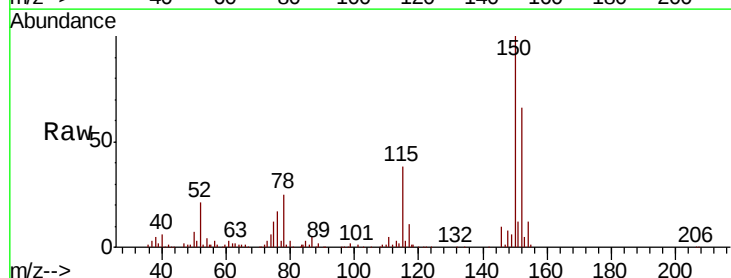
Tgt Ion:152 Resp: 123711

Ion Ratio Lower Upper

152 100

115 55.2 25.9 77.7

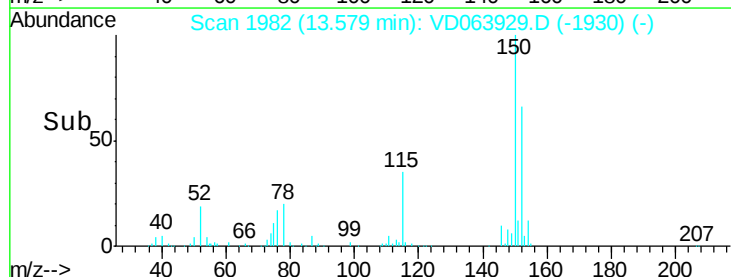
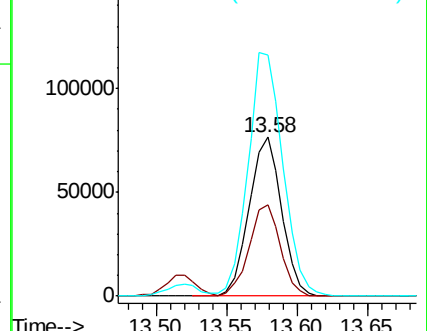
150 164.3 0.0 344.2

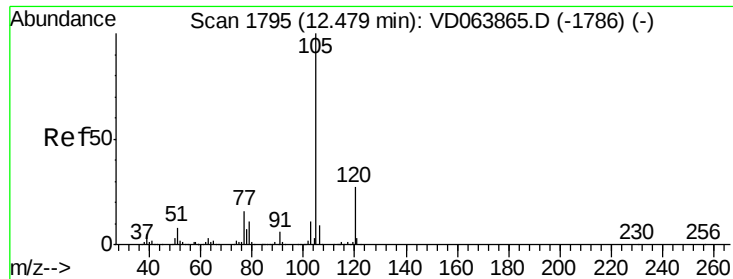


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.996 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 105 Resp: 191249

Ion Ratio Lower Upper

105 100

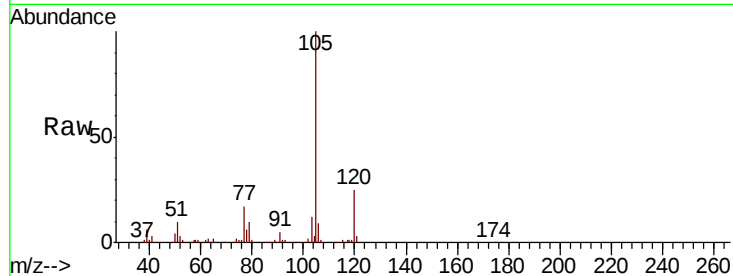
120 26.3 13.3 39.8

Manual Integrations

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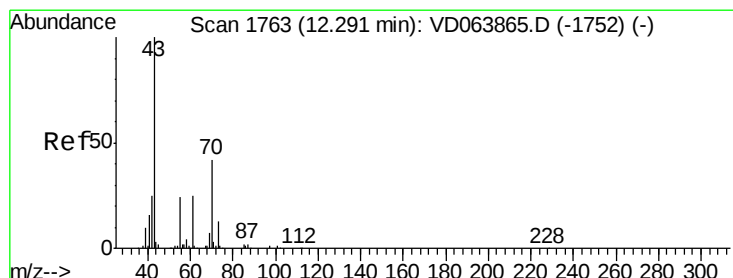
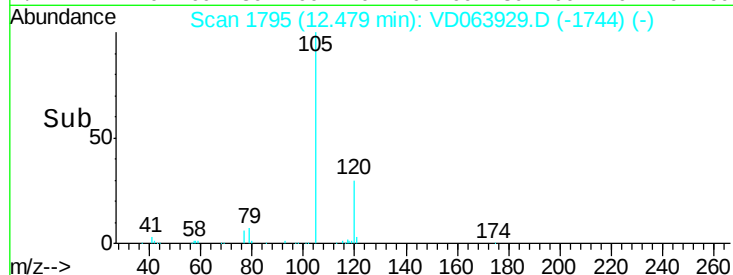
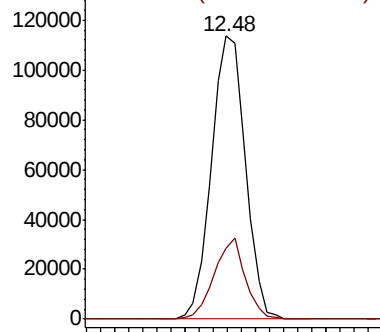
MMDadoda

10/15/2019 4:13:45 PM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.616 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion: 43 Resp: 36914

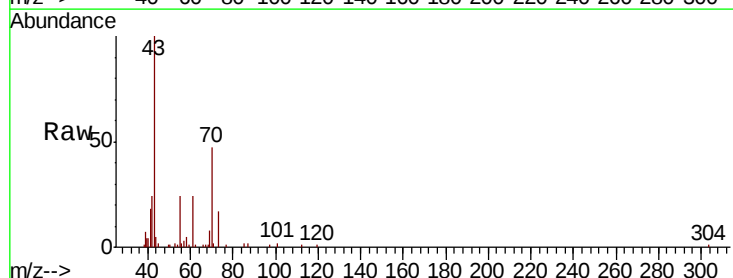
Ion Ratio Lower Upper

43 100

70 46.8 35.8 53.6

55 25.5 19.4 29.0

61 23.1 20.4 30.6

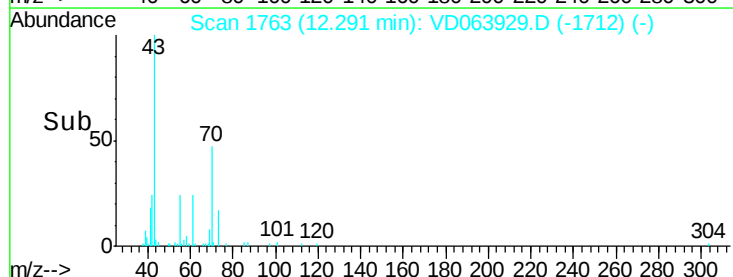
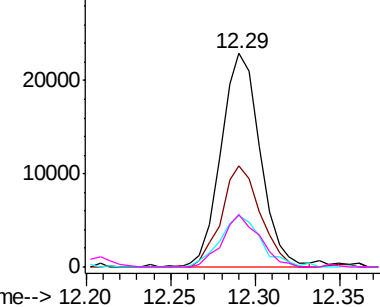


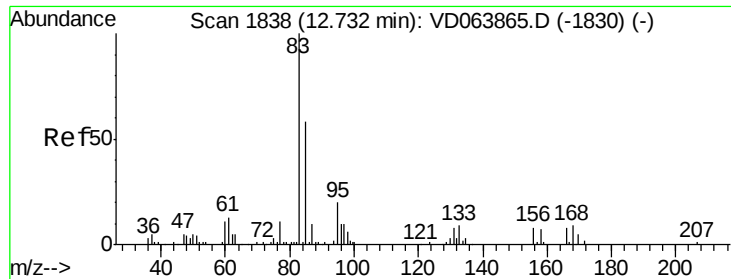
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.070 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion: 83 Resp: 30492

Ion Ratio Lower Upper

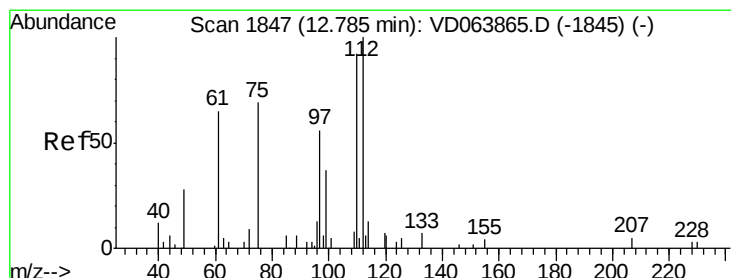
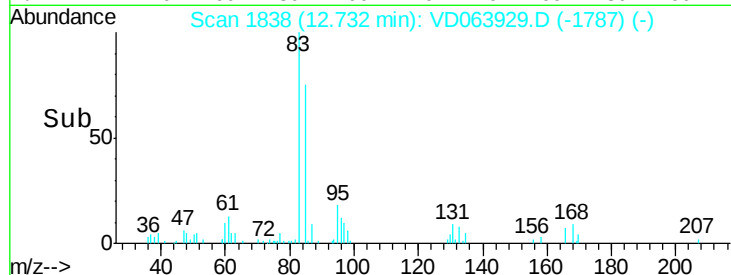
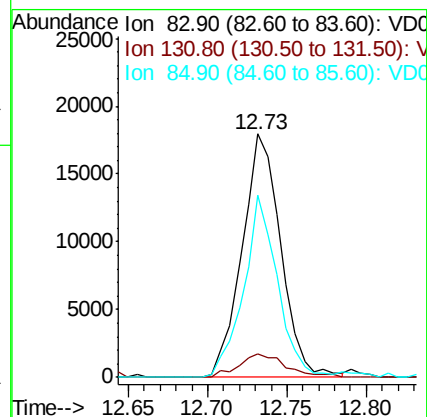
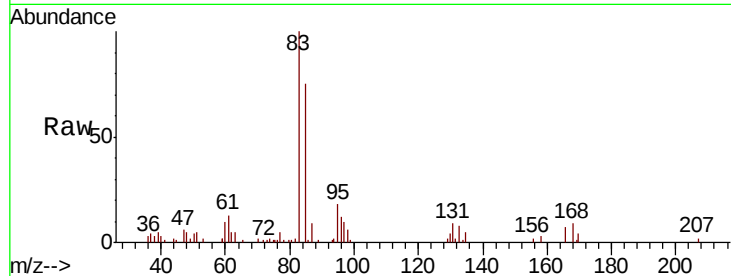
83 100

131 11.7 5.6 16.8

85 65.5 32.3 96.8

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#76

1,2,3-Trichloropropane

Concen: 20.461 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.01 min

Lab File: VD063929.D

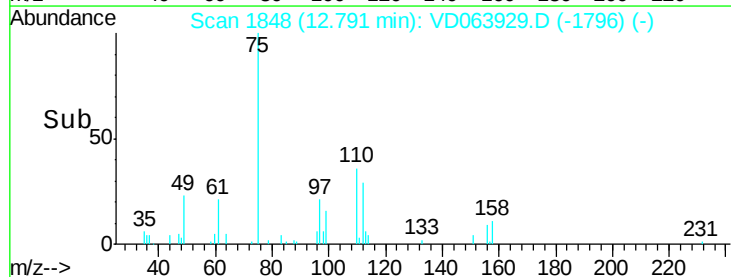
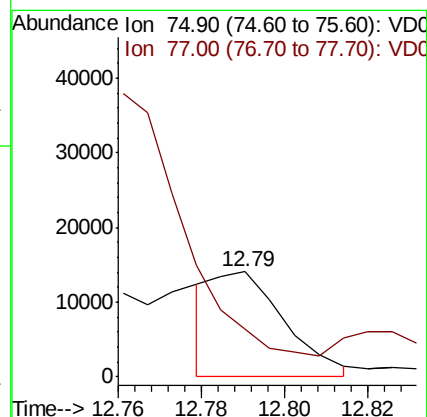
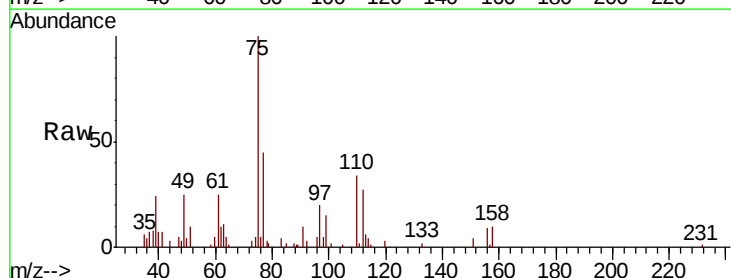
Acq: 11 Oct 2019 11:29

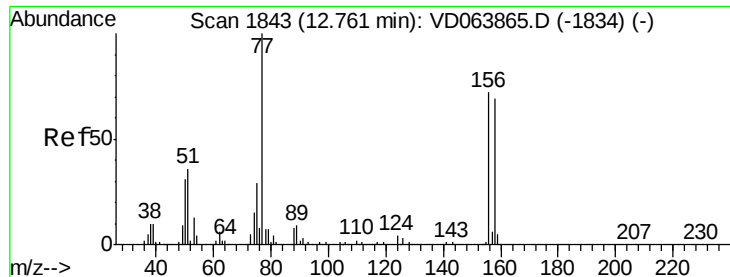
Tgt Ion: 75 Resp: 16954

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





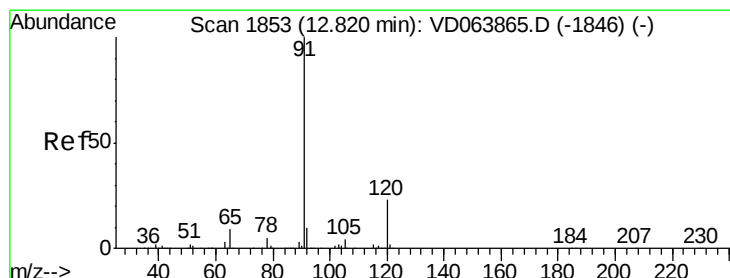
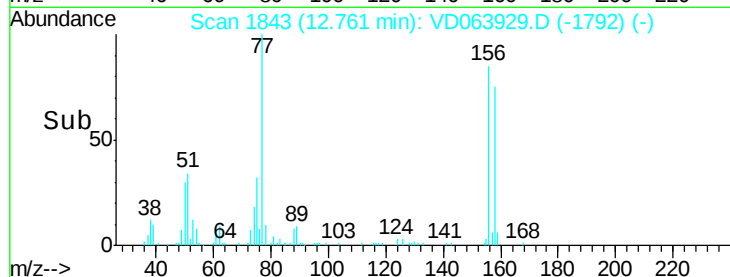
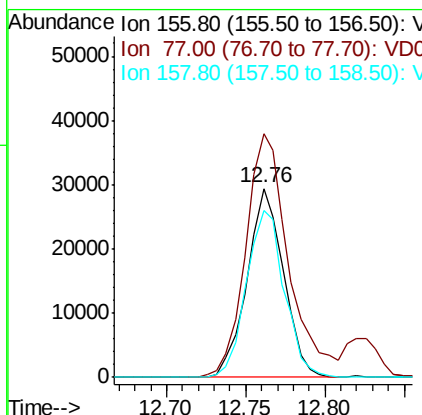
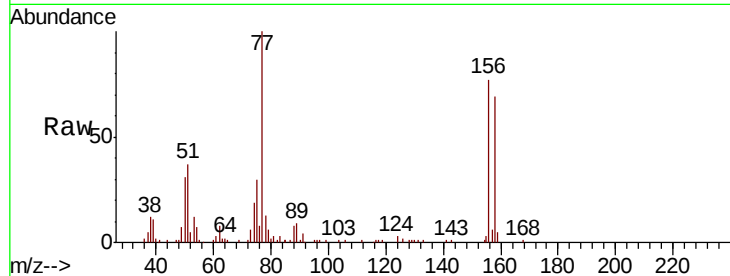
#77
Bromobenzene
Concen: 22.603 ug/l
RT: 12.76 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.4	80.3	241.0
158	92.3	47.4	142.2

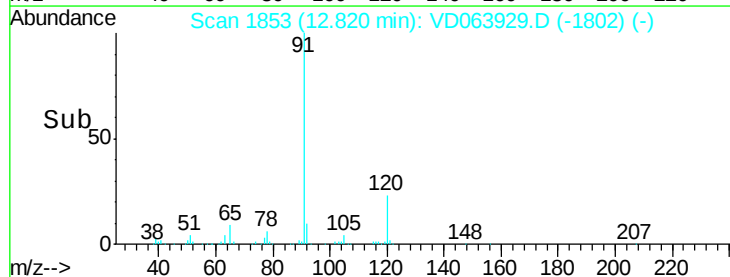
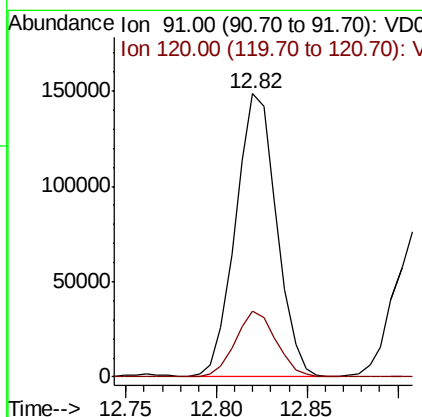
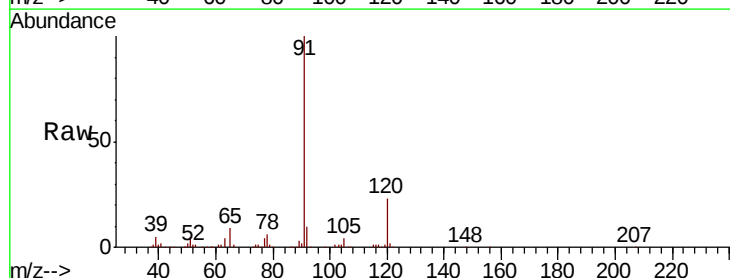
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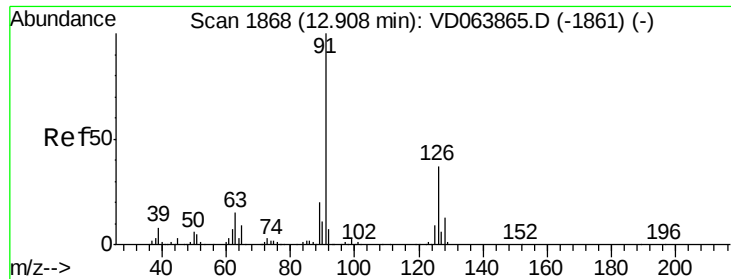
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#78
n-propylbenzene
Concen: 23.887 ug/l
RT: 12.82 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.3	12.0	36.0





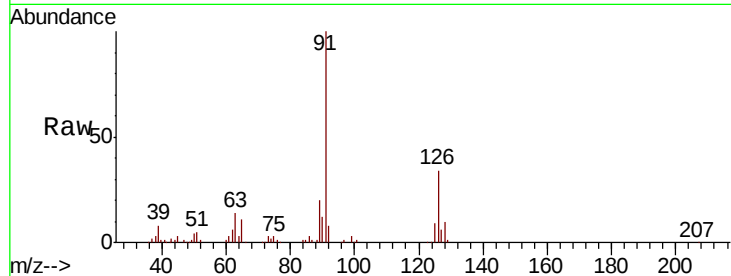
#79
2-Chlorotoluene
Concen: 22.547 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

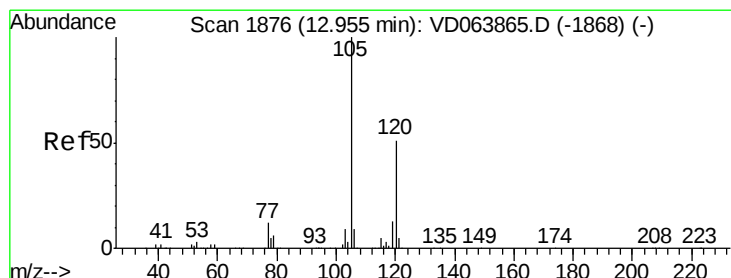
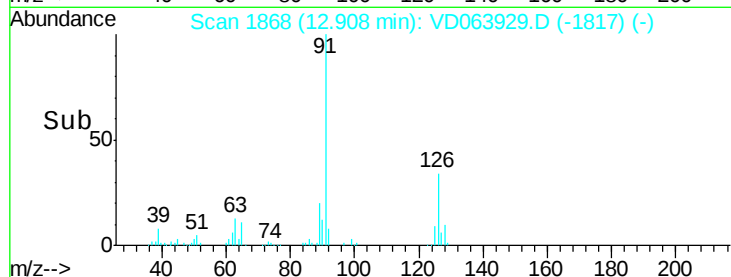
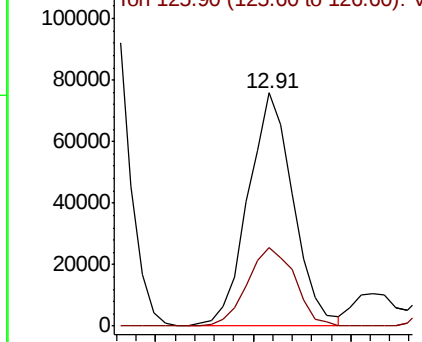
Tot Ion: 91 Resp: 121362
Ion Ratio Lower Upper
91 100
126 35.5 18.4 55.2

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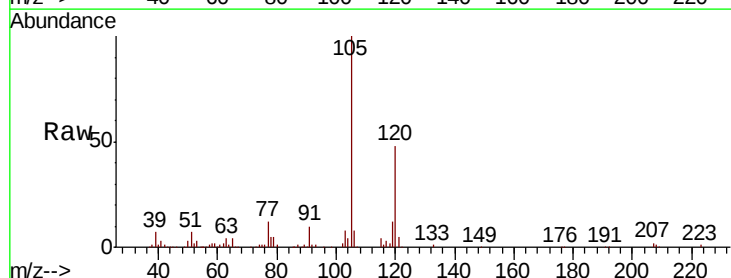


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

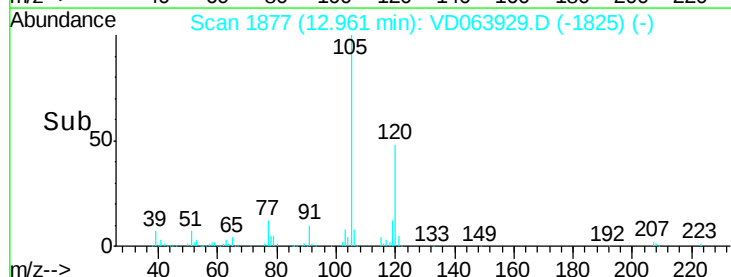
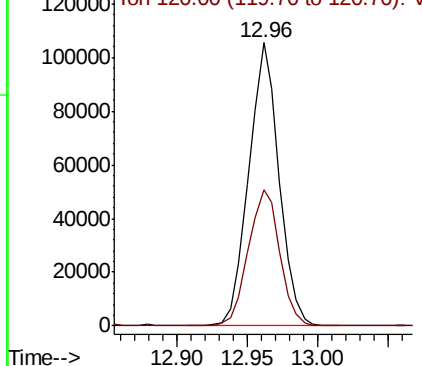


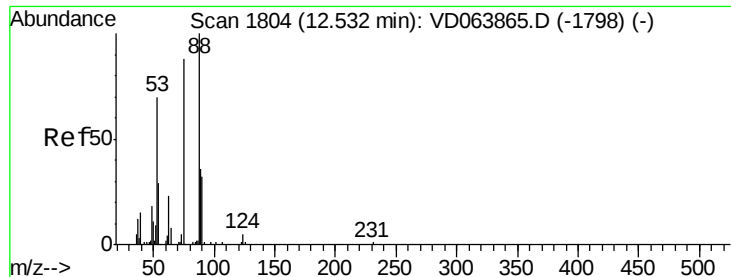
#80
1,3,5-Trimethylbenzene
Concen: 22.868 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion: 105 Resp: 158663
Ion Ratio Lower Upper
105 100
120 49.9 25.9 77.8



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





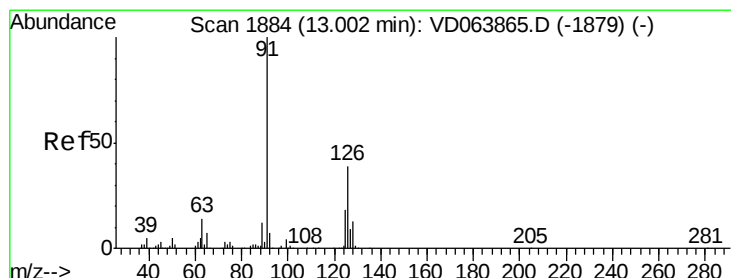
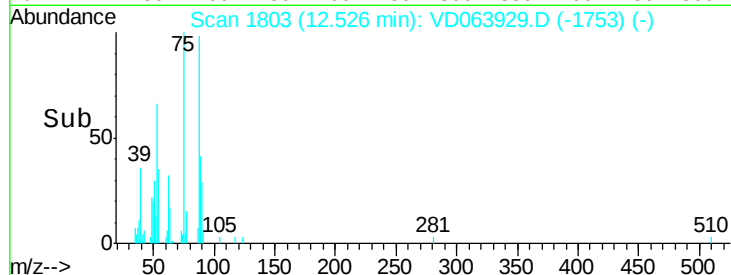
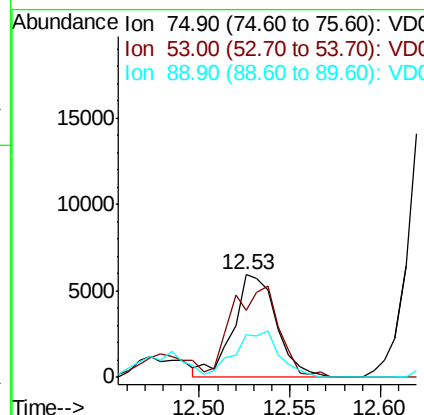
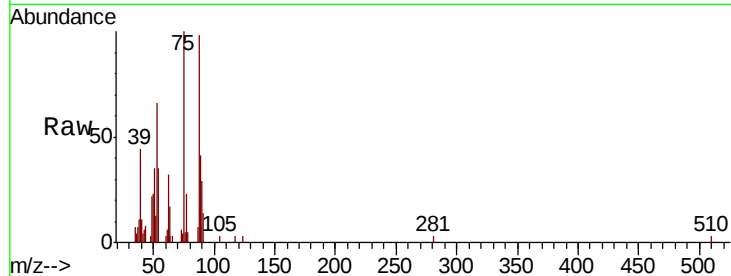
#81
trans-1,4-Dichloro-2-butene
Concen: 21.081 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.0	75.0	112.6
89	46.8	38.2	57.4

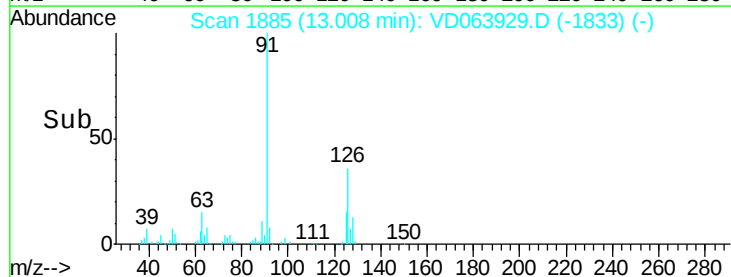
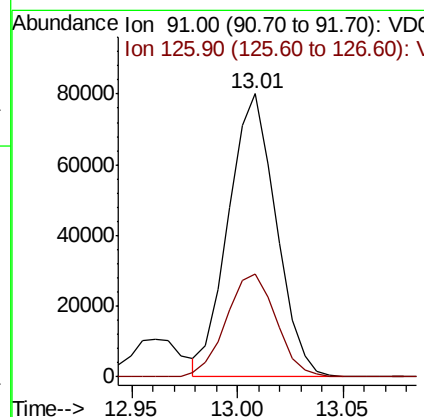
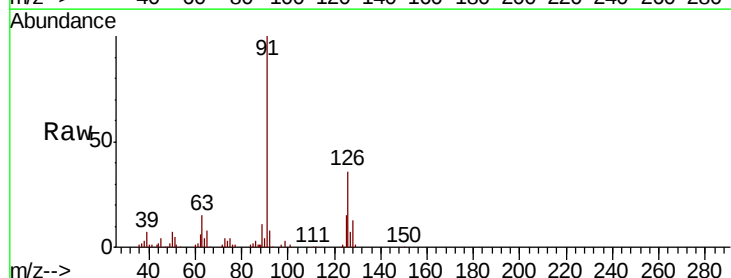
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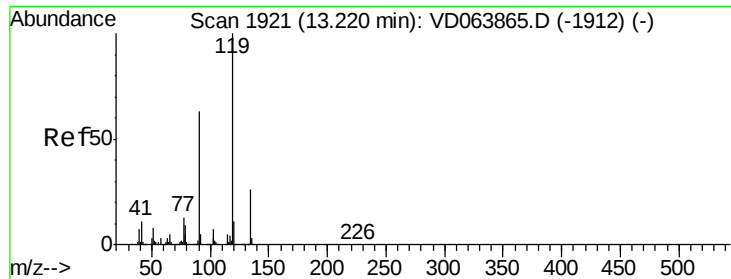
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#82
4-Chlorotoluene
Concen: 21.942 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.2	18.6	55.8





#83

tert-Butylbenzene

Concen: 22.559 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

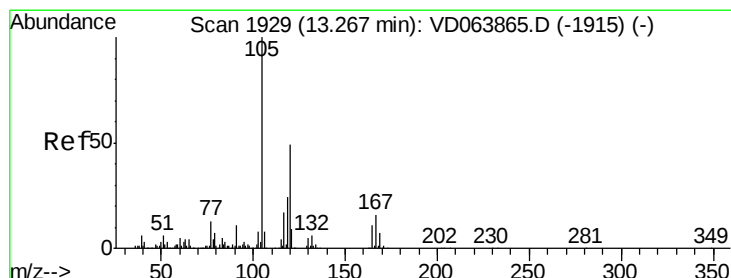
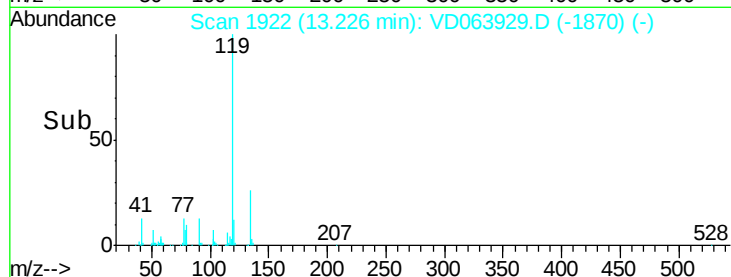
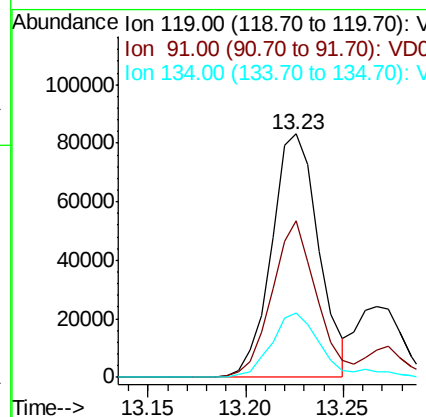
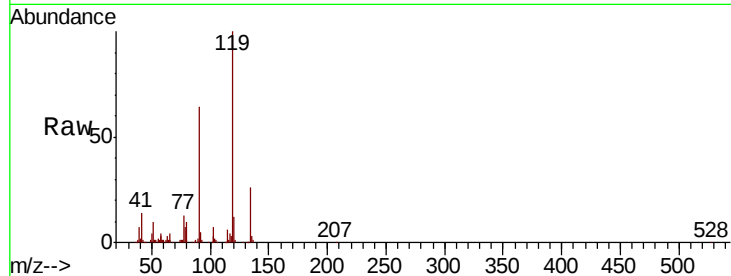
ClientSampleId :

VD1011SBS01

Tot Ion:	119	Resp:	139296
Ion Ratio	Lower	Upper	
119	100		
91	61.0	30.0	90.0
134	26.4	13.0	38.9

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#84

1,2,4-Trimethylbenzene

Concen: 21.970 ug/l

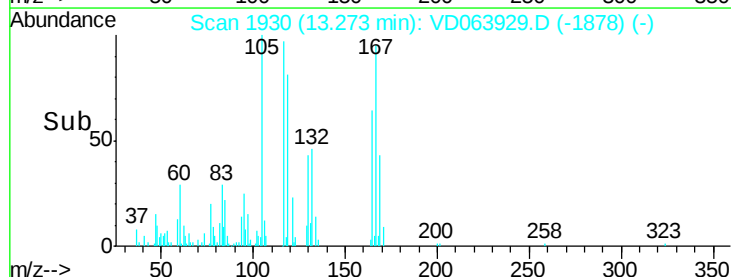
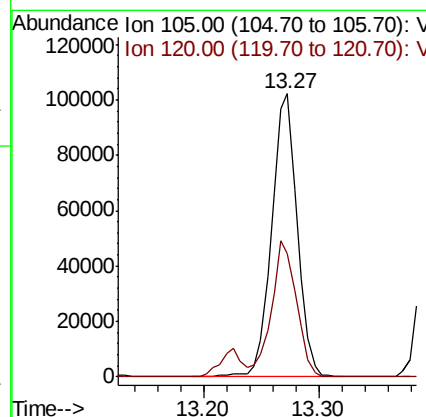
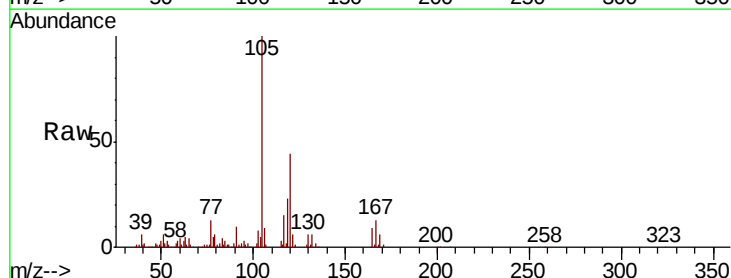
RT: 13.27 min Scan# 1930

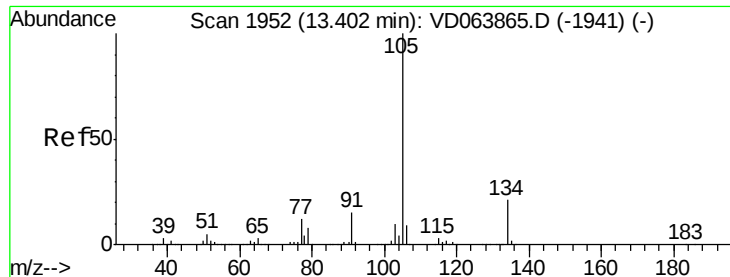
Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Tgt Ion:	105	Resp:	157150
Ion Ratio	Lower	Upper	
105	100		
120	47.5	23.8	71.5





#85

sec-Butylbenzene

Concen: 23.519 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

Instrument :

MSVOA_D

ClientSampleId :

VD1011SBS01

Tot Ion:105 Resp: 196122

Ion Ratio Lower Upper

105 100

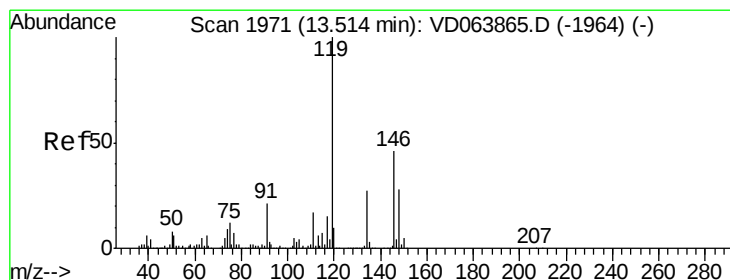
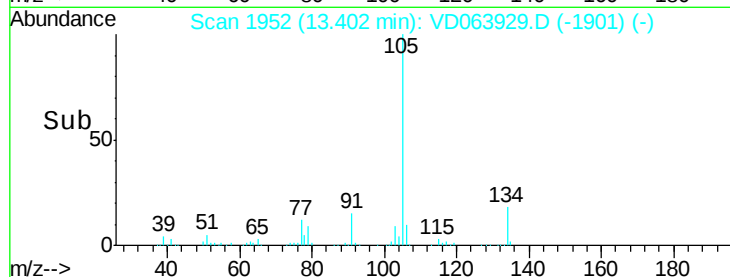
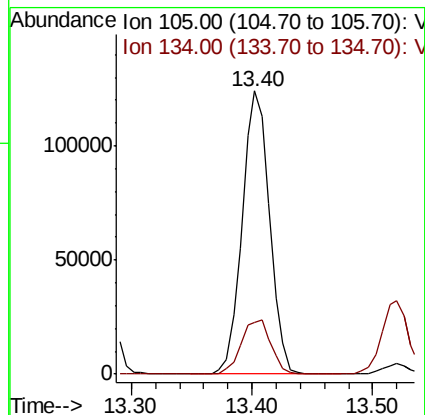
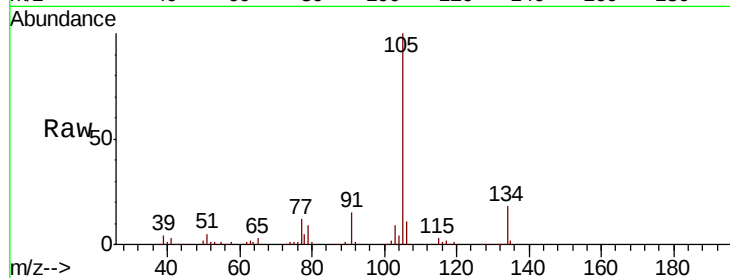
134 20.8 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 23.171 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.01 min

Lab File: VD063929.D

Acq: 11 Oct 2019 11:29

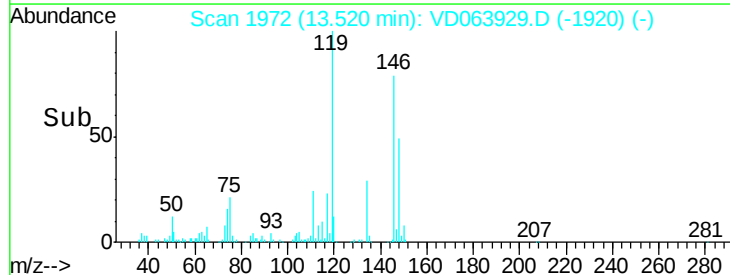
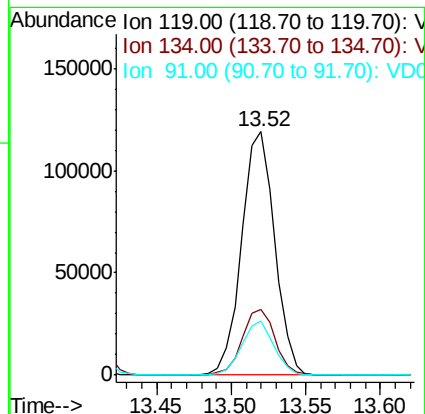
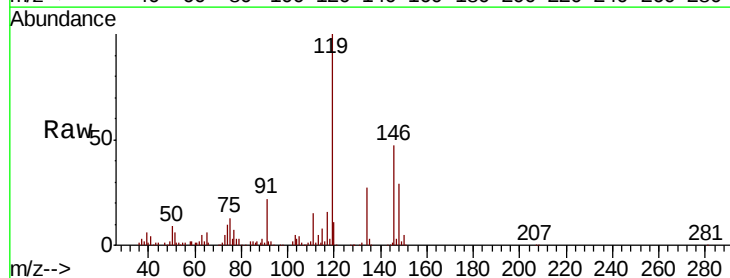
Tgt Ion:119 Resp: 182836

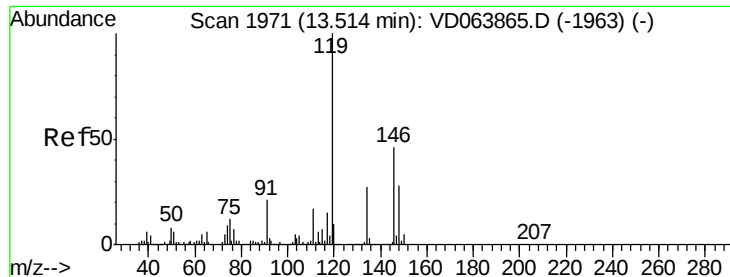
Ion Ratio Lower Upper

119 100

134 26.8 13.9 41.6

91 21.5 11.2 33.5





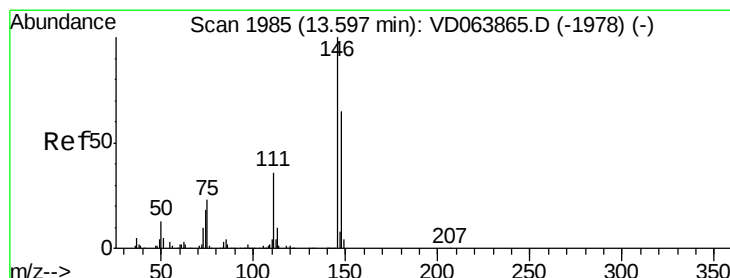
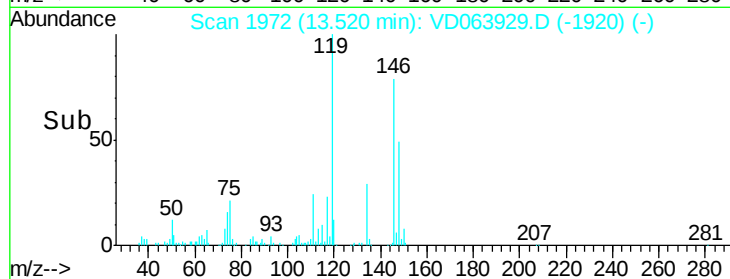
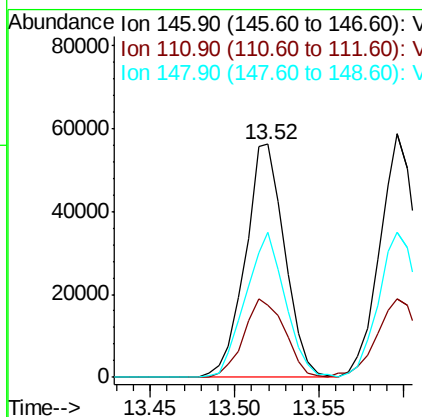
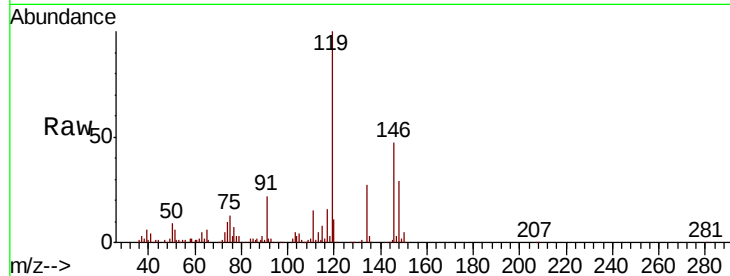
#87
 1,3-Dichlorobenzene
 Concen: 22.318 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.01 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.1	18.3	54.9
148	62.4	31.8	95.4

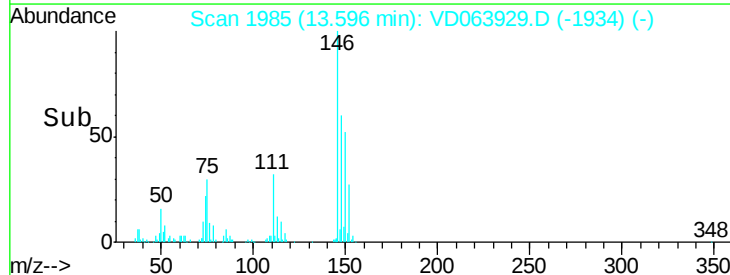
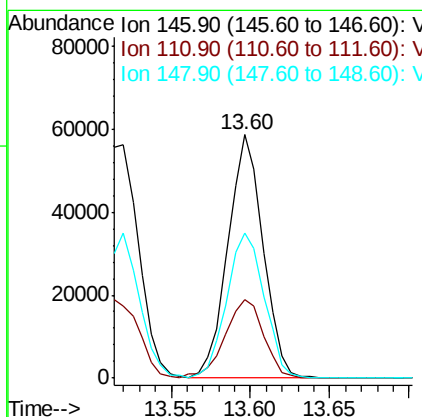
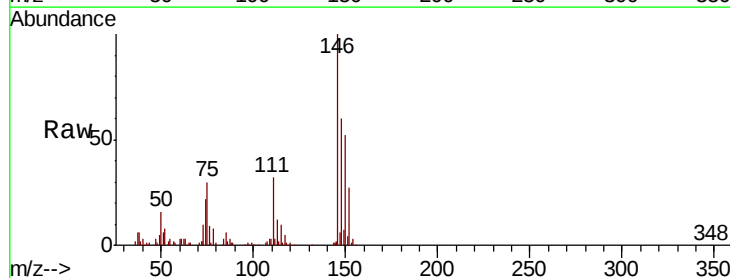
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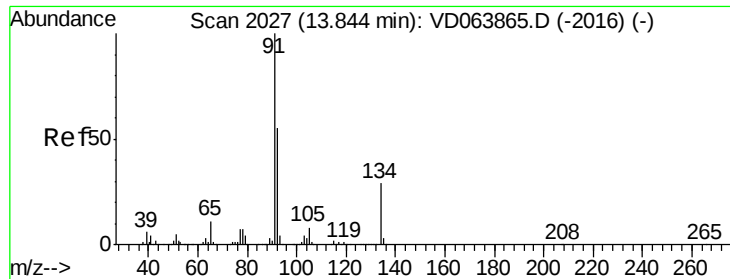
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#88
 1,4-Dichlorobenzene
 Concen: 22.371 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.4	18.6	56.0
148	63.7	32.6	98.0





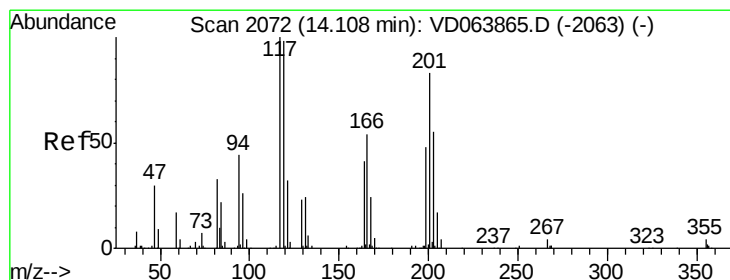
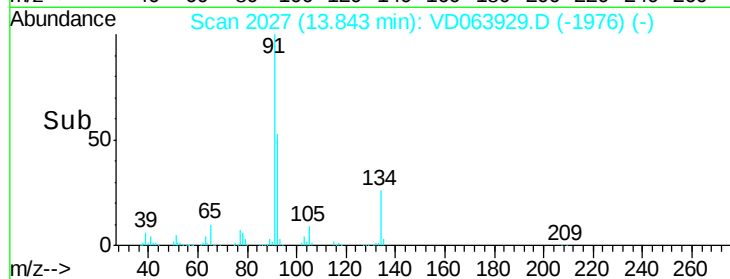
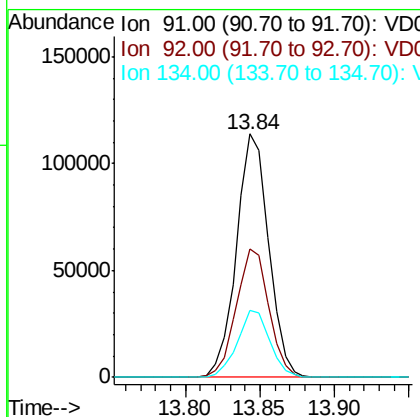
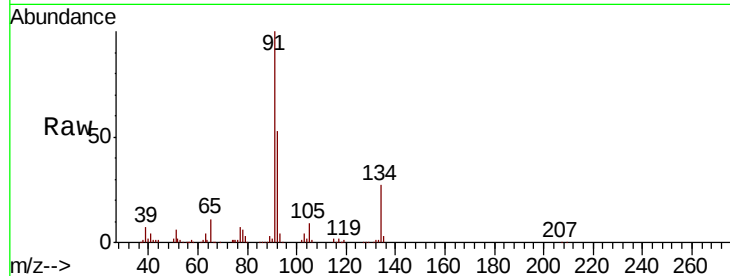
#89
n-Butylbenzene
Concen: 23.283 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	26.8	80.3
134	27.7	14.4	43.0

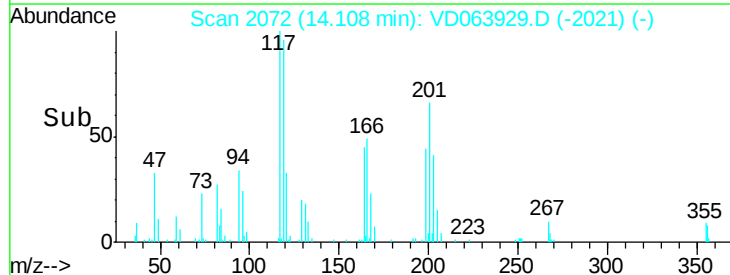
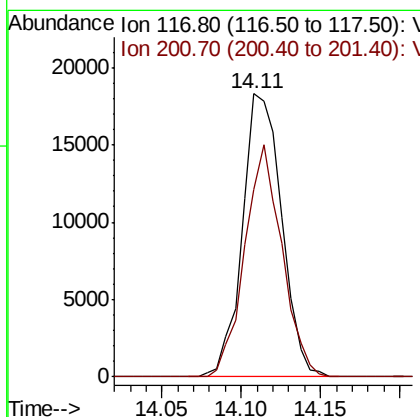
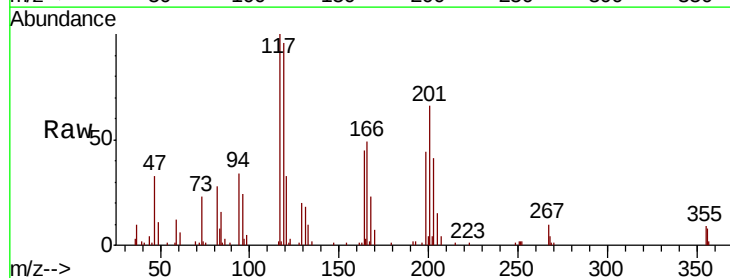
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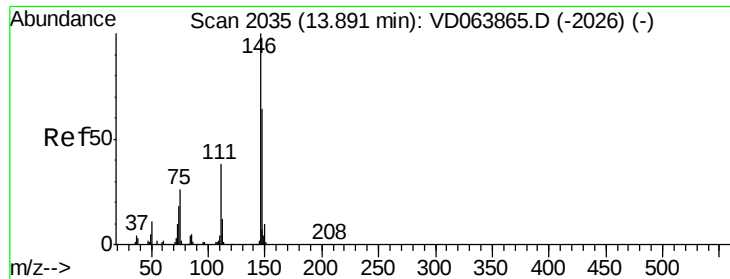
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#90
Hexachloroethane
Concen: 22.250 ug/l
RT: 14.11 min Scan# 2072
Delta R.T. -0.00 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	40.6	121.7





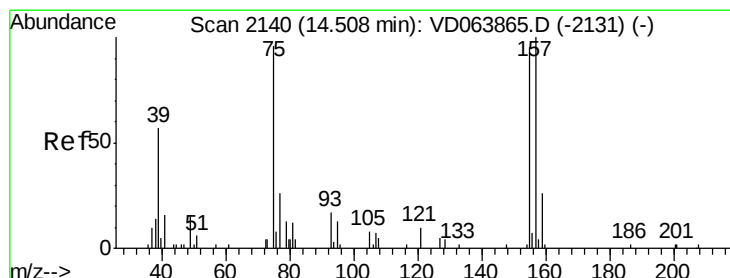
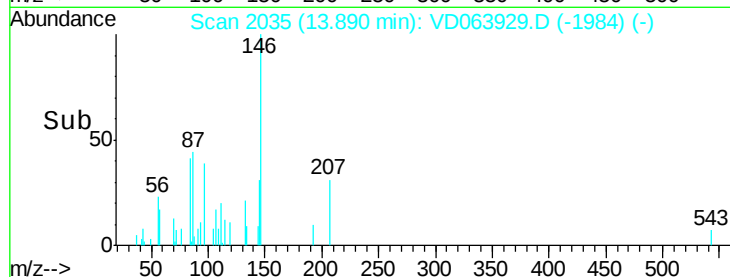
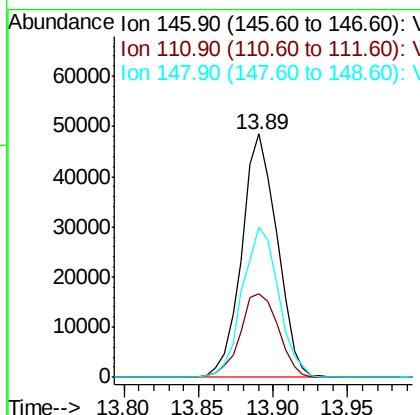
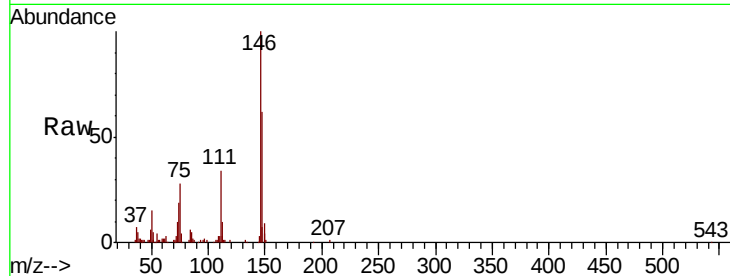
#91
 1,2-Dichlorobenzene
 Concen: 22.565 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.6	55.6
148	63.0	31.6	95.0

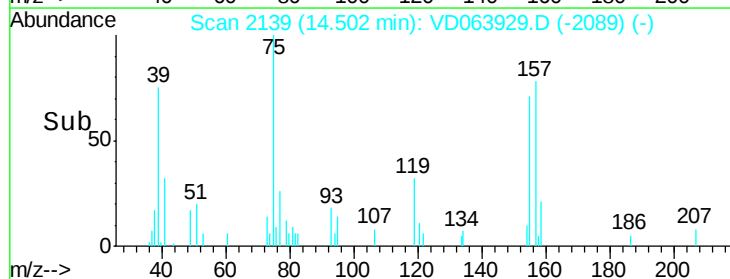
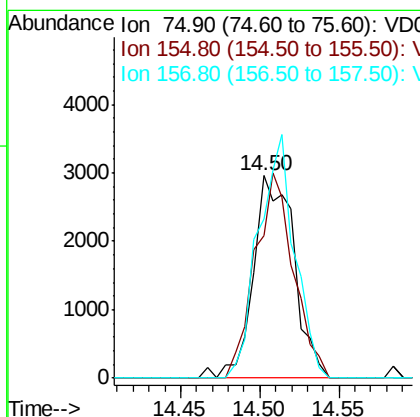
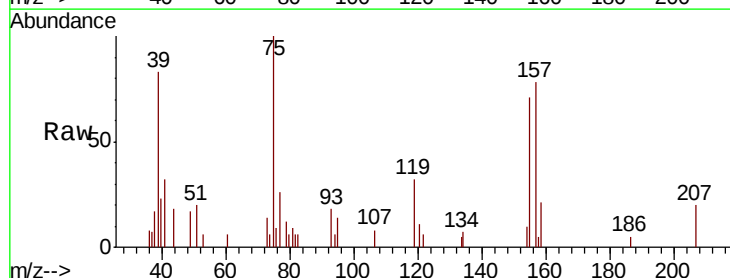
Manual Integrations
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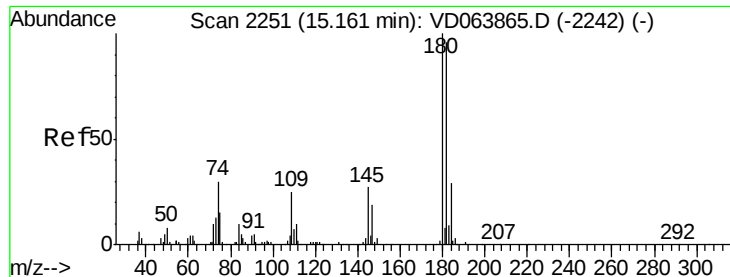
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.027 ug/l
 RT: 14.50 min Scan# 2139
 Delta R.T. -0.01 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.4	43.9	131.6
157	107.5	56.0	167.9





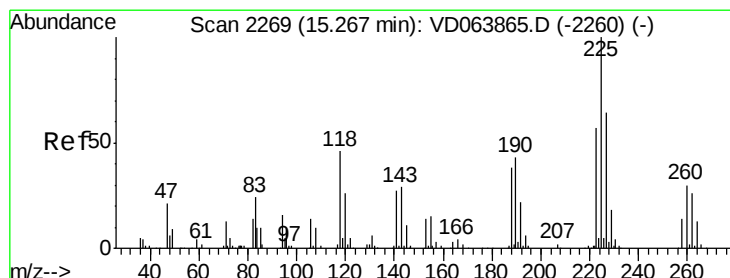
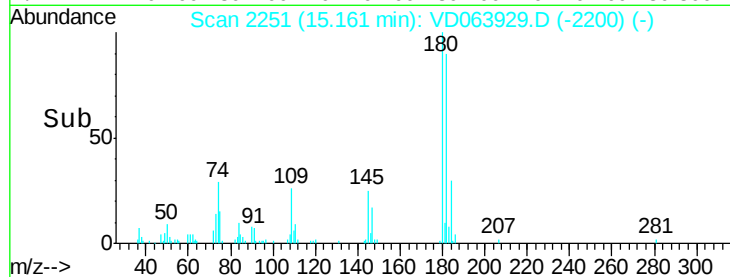
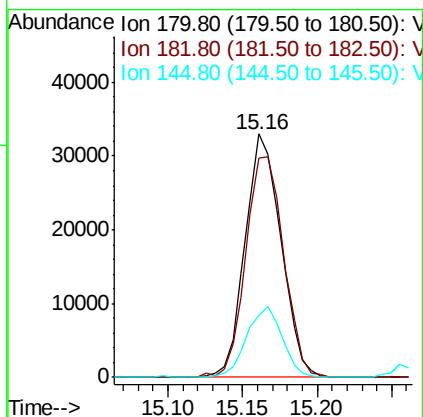
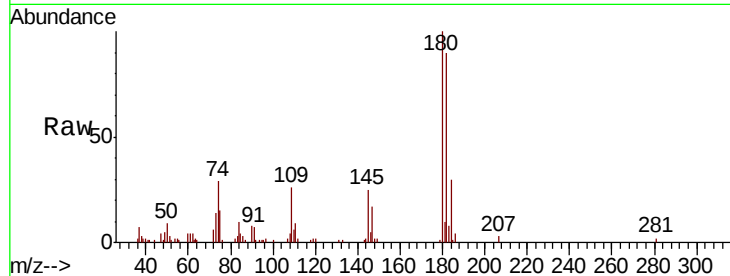
#93
 1,2,4-Trichlorobenzene
 Concen: 20.167 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1011SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	47.4	142.3
145	28.5	13.9	41.7

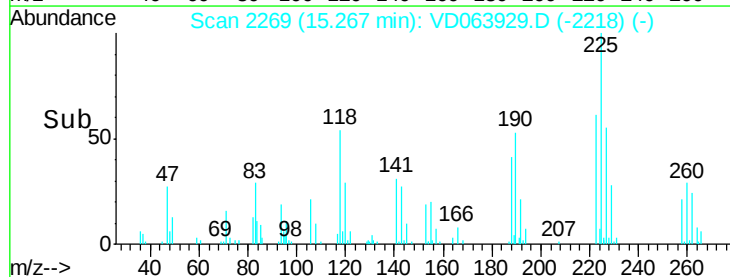
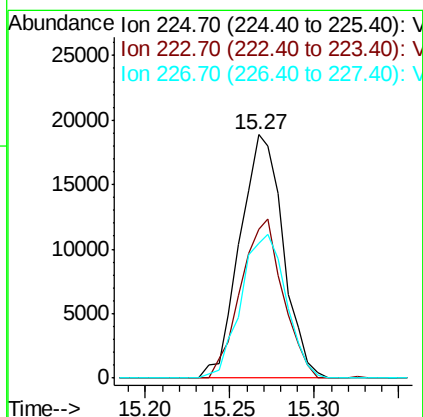
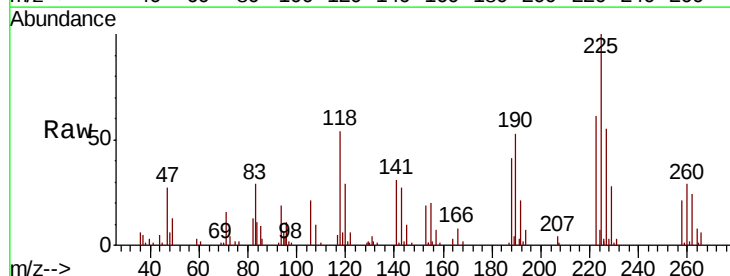
Manual Integrations
 APPROVED

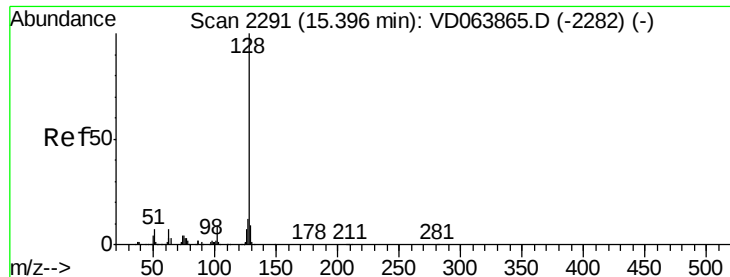
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 10/15/2019 4:13:45 PM



#94
 Hexachlorobutadiene
 Concen: 22.342 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.00 min
 Lab File: VD063929.D
 Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	29.5	88.6
227	61.4	30.8	92.4





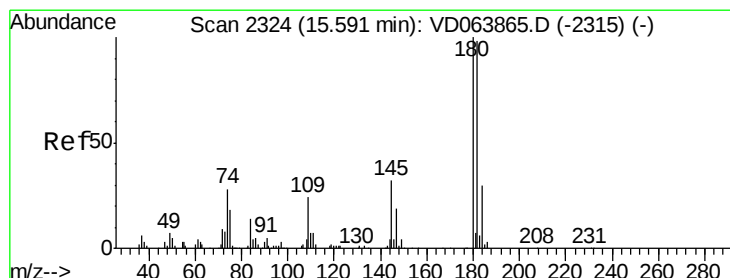
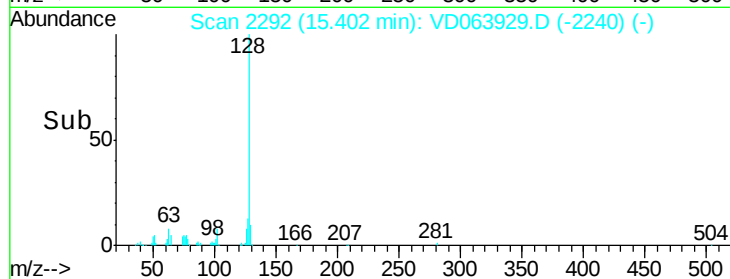
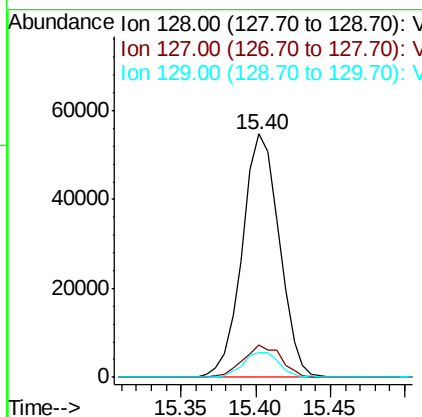
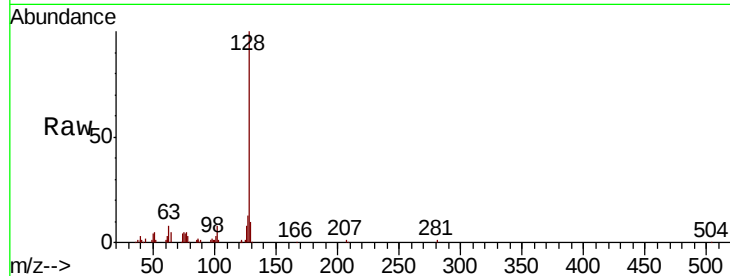
#95
Naphthalene
Concen: 20.592 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Instrument :
MSVOA_D
ClientSampleId :
VD1011SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	16.0
129	10.2	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.673 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.01 min
Lab File: VD063929.D
Acq: 11 Oct 2019 11:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	47.0	141.0
145	34.0	15.3	45.9

