

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067252.D
 Acq On : 13 Oct 2020 15:14
 Operator : VA/SY
 Sample : VD1013SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:22 PM

Quant Time: Oct 14 02:37:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	358224	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539878	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507116	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	255252	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	178342	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
35) Dibromofluoromethane	7.92	113	183800	51.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.32%	
50) Toluene-d8	10.34	98	672358	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
62) 4-Bromofluorobenzene	12.64	95	232993	51.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	65265	20.081	ug/l	93
3) Chloromethane	2.20	50	45742	20.289	ug/l	92
4) Vinyl Chloride	2.34	62	47134	19.054	ug/l	98
5) Bromomethane	2.76	94	36347	19.691	ug/l	90
6) Chloroethane	2.91	64	29165	18.932	ug/l #	88
7) Trichlorofluoromethane	3.27	101	122235	19.624	ug/l	98
8) Diethyl Ether	3.71	74	27947	19.607	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	65462	19.781	ug/l	99
10) Methyl Iodide	4.30	142	57619	18.874	ug/l	97
11) Tert butyl alcohol	5.20	59	24820m	106.925	ug/l	
12) 1,1-Dichloroethene	4.06	96	56856	19.231	ug/l	98
13) Acrolein	3.92	56	15548	87.870	ug/l	92
14) Allyl chloride	4.71	41	69212	20.442	ug/l	96
15) Acrylonitrile	5.42	53	47453	99.777	ug/l	96
16) Acetone	4.16	43	46453	92.421	ug/l	100
17) Carbon Disulfide	4.40	76	168375	19.977	ug/l	98
18) Methyl Acetate	4.71	43	23108	20.157	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	117867	20.050	ug/l	96
20) Methylene Chloride	4.96	84	74769	20.583	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	66886	19.659	ug/l	99
22) Diisopropyl ether	6.36	45	133407	21.570	ug/l	94
23) Vinyl Acetate	6.31	43	369603	105.039	ug/l	97
24) 1,1-Dichloroethane	6.27	63	104888	19.811	ug/l	99
25) 2-Butanone	7.22	43	58589	102.261	ug/l	97
26) 2,2-Dichloropropane	7.21	77	104844	19.213	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	73630	19.746	ug/l	97
28) Bromochloromethane	7.55	49	36246	20.072	ug/l #	97
29) Tetrahydrofuran	7.56	42	33034	103.723	ug/l	98
30) Chloroform	7.71	83	128037	20.244	ug/l	91
31) Cyclohexane	7.99	56	80853	19.560	ug/l #	89
32) 1,1,1-Trichloroethane	7.91	97	121751	19.620	ug/l	99
36) 1,1-Dichloropropene	8.11	75	92145	20.137	ug/l	99
37) Ethyl Acetate	7.29	43	25394	18.862	ug/l	98
38) Carbon Tetrachloride	8.09	117	111788	19.115	ug/l	98

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

39) Methylcyclohexane	9.36	83	93923	19.634	ug/l	100
40) Benzene	8.35	78	255297	20.337	ug/l	98
41) Methacrylonitrile	7.53	41	17758	24.409	ug/l #	78
42) 1,2-Dichloroethane	8.43	62	79215	20.164	ug/l	98
43) Isopropyl Acetate	8.46	43	55145	20.643	ug/l	97
44) Trichloroethene	9.11	130	81478	20.272	ug/l	93
45) 1,2-Dichloropropane	9.39	63	59258	20.368	ug/l	99
46) Dibromomethane	9.48	93	36085	19.907	ug/l	98
47) Bromodichloromethane	9.66	83	99563	20.501	ug/l	95
48) Methyl methacrylate	9.46	41	24643	18.982	ug/l	99
49) 1,4-Dioxane	9.47	88	7675	419.914	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	137956	103.539	ug/l	99
52) Toluene	10.41	92	176045	20.590	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	85357	20.008	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	99341	19.897	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	51919	21.005	ug/l	98
56) Ethyl methacrylate	10.67	69	53161	20.737	ug/l	95
57) 1,3-Dichloropropane	10.95	76	82637	21.008	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	136656	103.914	ug/l	100
59) 2-Hexanone	10.99	43	94548	103.845	ug/l	100
60) Dibromochloromethane	11.14	129	74692	20.720	ug/l	96
61) 1,2-Dibromoethane	11.25	107	49884	20.471	ug/l	100
64) Tetrachloroethene	10.88	164	72178	19.644	ug/l	99
65) Chlorobenzene	11.67	112	193168	19.864	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	77894	20.154	ug/l	97
67) Ethyl Benzene	11.75	91	330895	19.850	ug/l	100
68) m/p-Xylenes	11.86	106	260624	40.601	ug/l	100
69) o-Xylene	12.18	106	115962	19.508	ug/l	99
70) Styrene	12.20	104	204832	20.018	ug/l	98
71) Bromoform	12.37	173	42972	20.696	ug/l #	100
73) Isopropylbenzene	12.48	105	333170	20.566	ug/l	99
74) N-amyl acetate	12.30	43	49323	20.159	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	51528	20.759	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	32379m	18.302	ug/l	
77) Bromobenzene	12.77	156	82706	20.478	ug/l	98
78) n-propylbenzene	12.83	91	383381	20.425	ug/l	100
79) 2-Chlorotoluene	12.91	91	218802	20.101	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	288044	20.461	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	15649	20.059	ug/l	98
82) 4-Chlorotoluene	13.01	91	239465	20.728	ug/l	100
83) tert-Butylbenzene	13.23	119	239387	20.131	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	289208	20.785	ug/l	100
85) sec-Butylbenzene	13.41	105	327992	20.101	ug/l	99
86) p-Isopropyltoluene	13.53	119	305964	19.866	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	161672	20.797	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	156783	20.356	ug/l	98
89) n-Butylbenzene	13.85	91	269093	19.861	ug/l	99
90) Hexachloroethane	14.12	117	53882	20.048	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	140506	20.690	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9052	20.073	ug/l	95

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Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

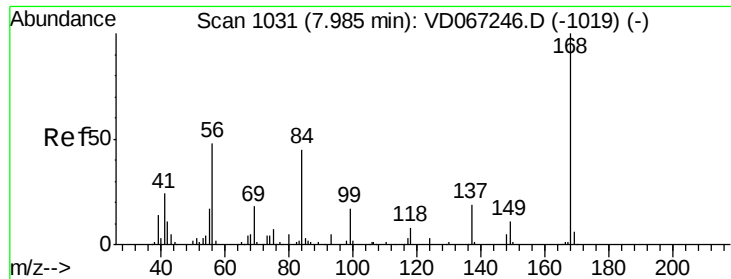
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	91047	19.885	ug/l	99
94) Hexachlorobutadiene	15.28	225	55253	19.432	ug/l	97
95) Naphthalene	15.41	128	150837	20.065	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	80800	20.427	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion:168 Resp: 358224

Ion Ratio Lower Upper

168 100

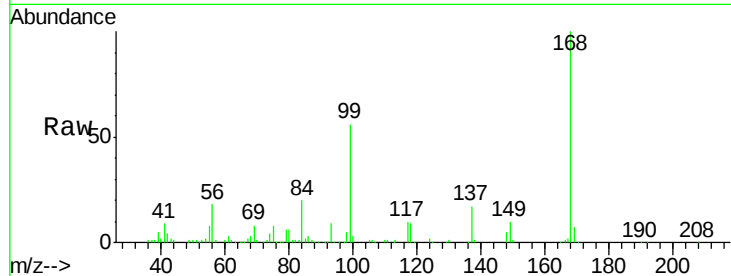
99 56.3 45.9 68.9

Manual Integrations

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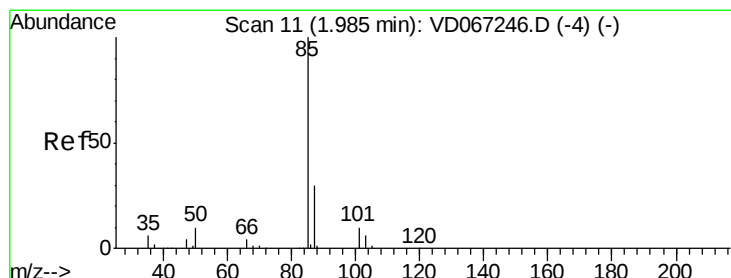
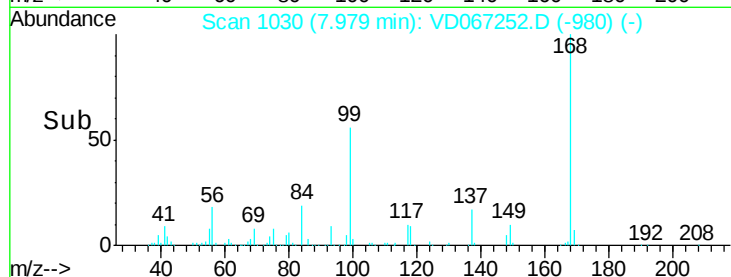
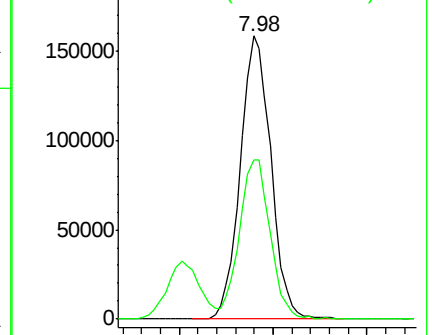
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.081 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067252.D

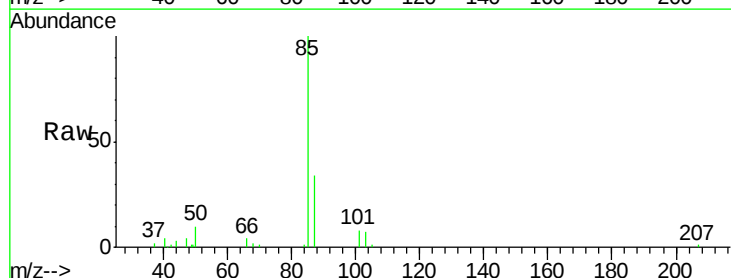
Acq: 13 Oct 2020 15:14

Tgt Ion: 85 Resp: 65265

Ion Ratio Lower Upper

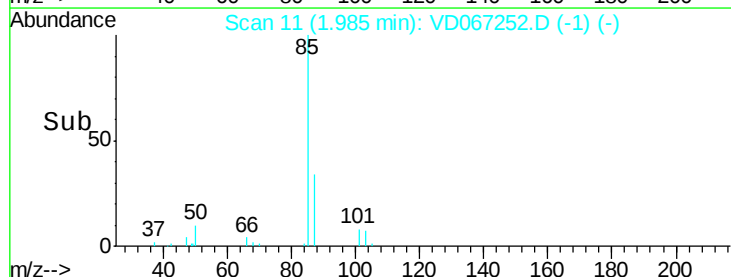
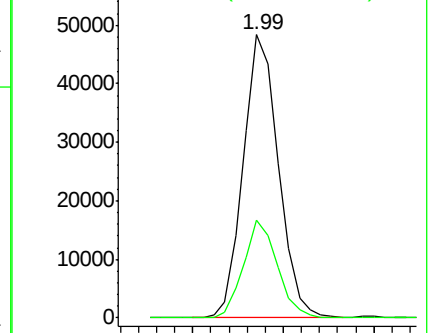
85 100

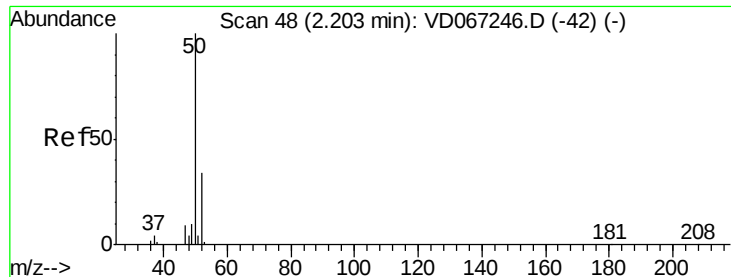
87 34.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.289 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 50 Resp: 45742

Ion Ratio Lower Upper

50 100

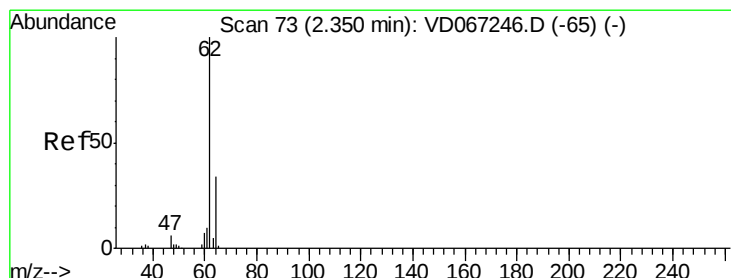
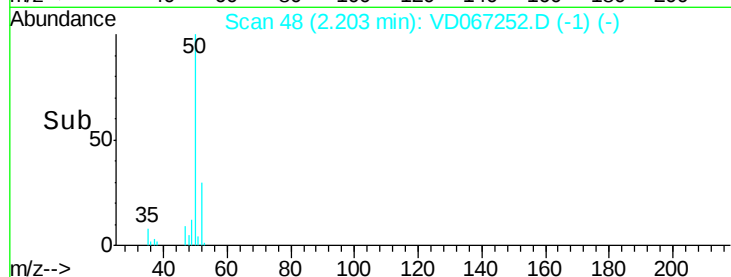
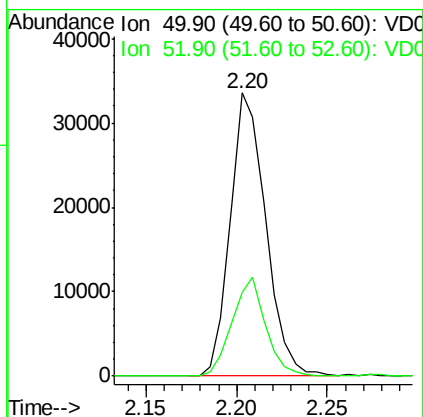
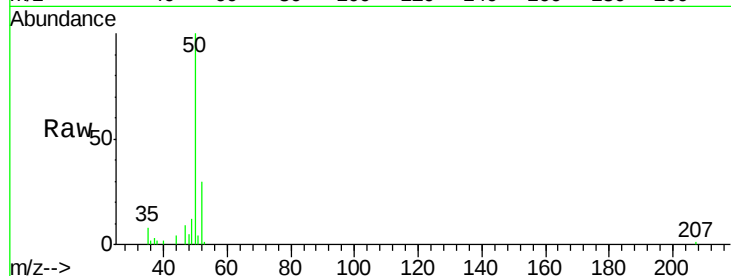
52 29.5 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.054 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067252.D

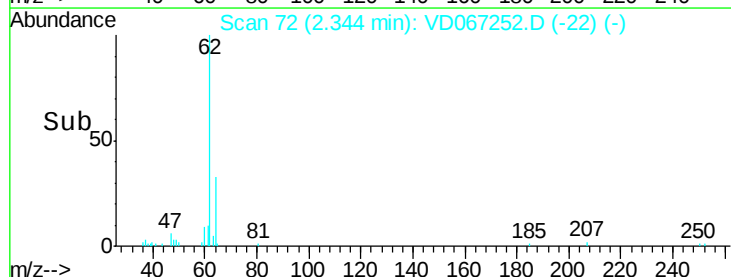
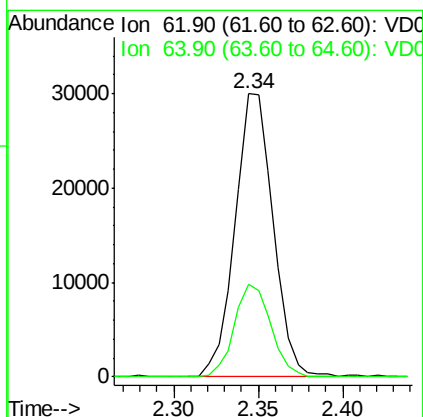
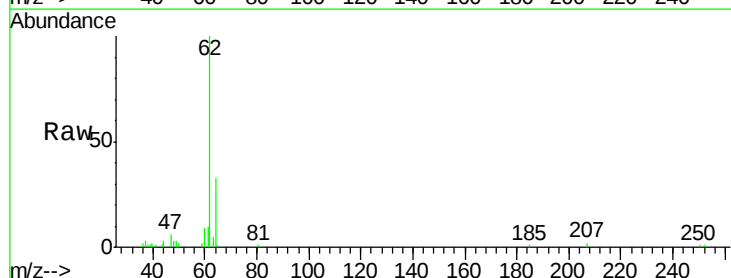
Acq: 13 Oct 2020 15:14

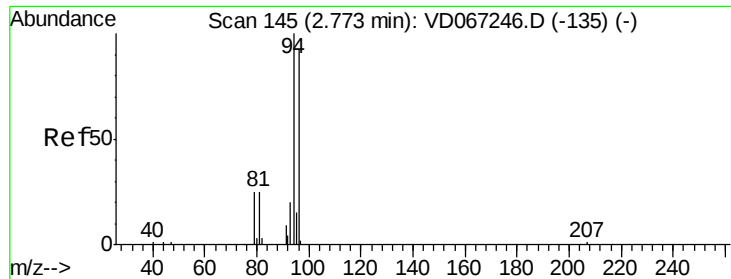
Tgt Ion: 62 Resp: 47134

Ion Ratio Lower Upper

62 100

64 32.8 27.4 41.0





#5

Bromomethane

Concen: 19.691 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 94 Resp: 36347

Ion Ratio Lower Upper

94 100

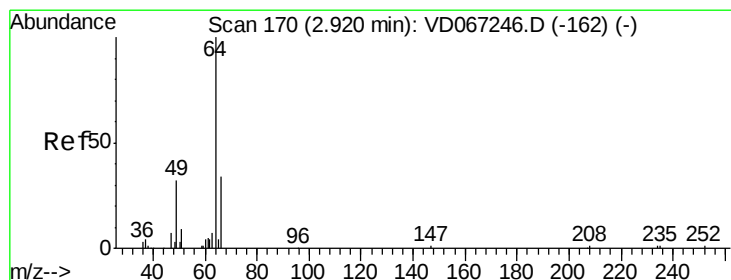
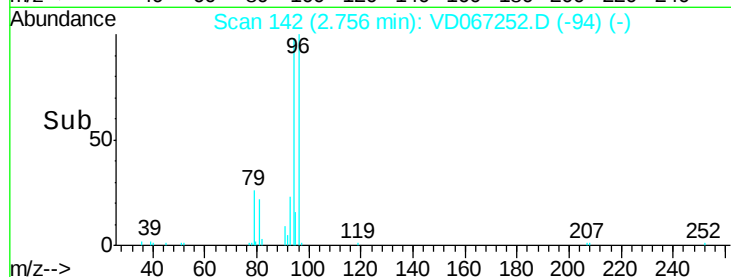
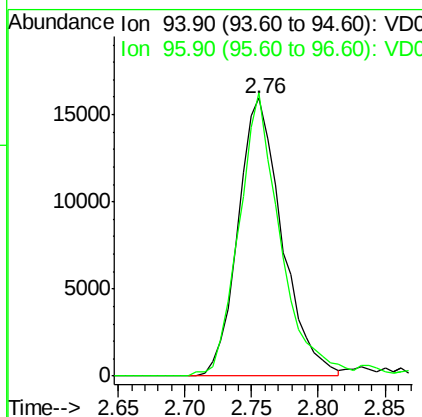
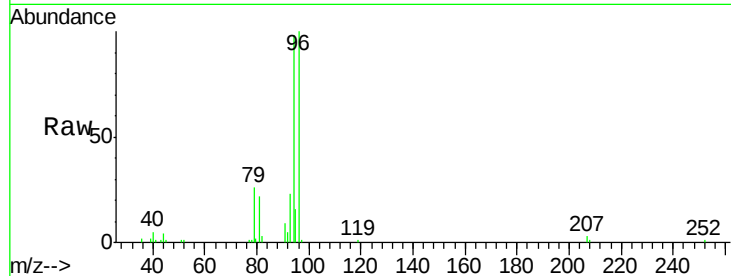
96 101.9 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 18.932 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067252.D

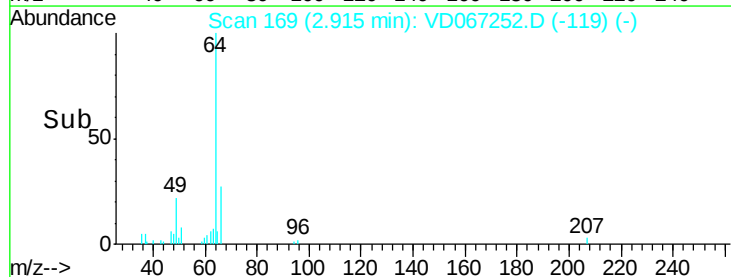
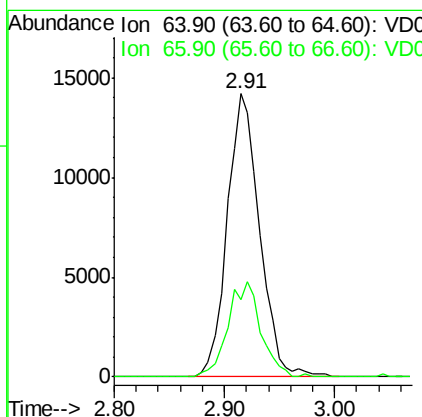
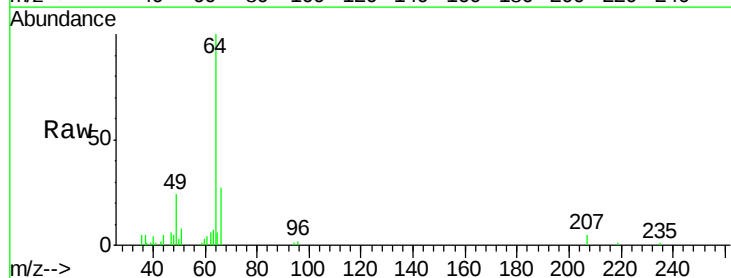
Acq: 13 Oct 2020 15:14

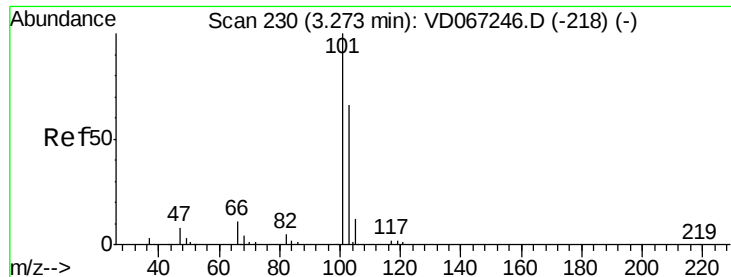
Tgt Ion: 64 Resp: 29165

Ion Ratio Lower Upper

64 100

66 27.3 27.4 41.0#





#7

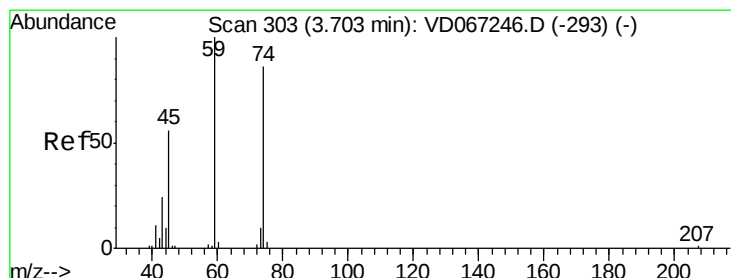
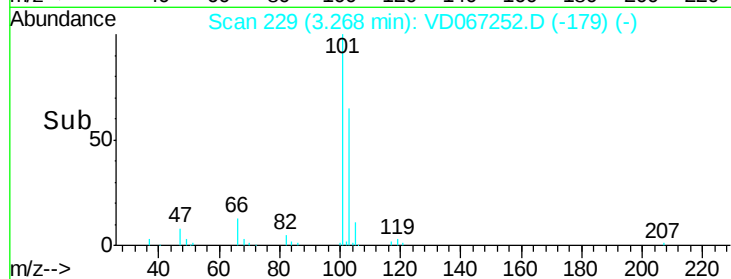
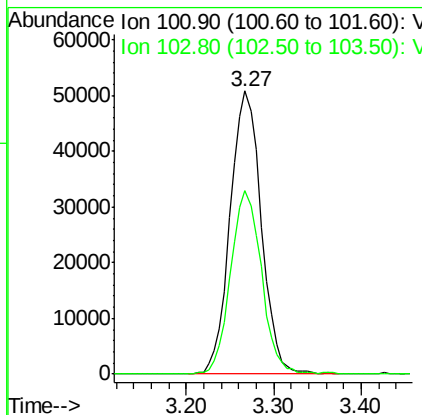
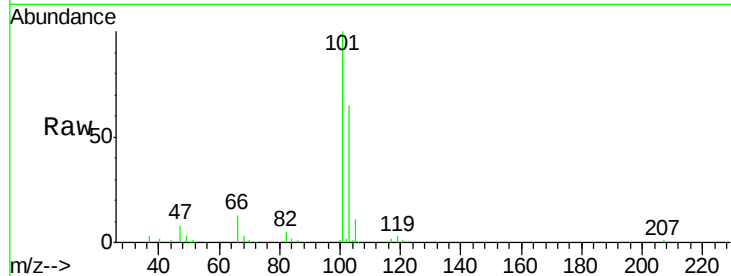
Trichlorofluoromethane
Concen: 19.624 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

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MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	122235		
103	64.9	53.1	79.7	

Manual Integrations
APPROVED

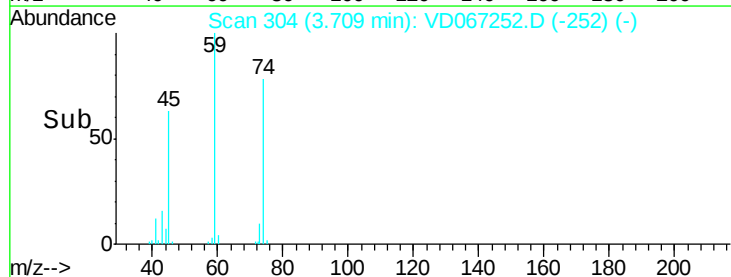
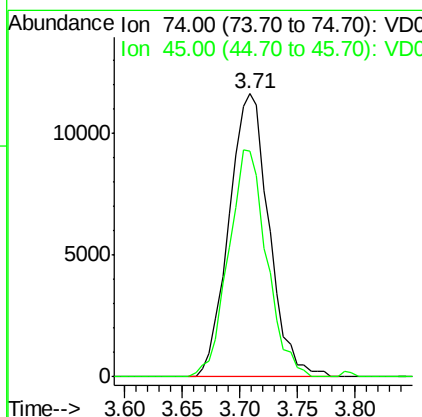
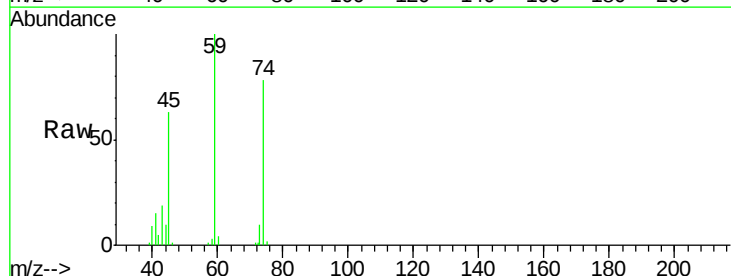
MMDadoda
10/14/2020 2:10:22 PM

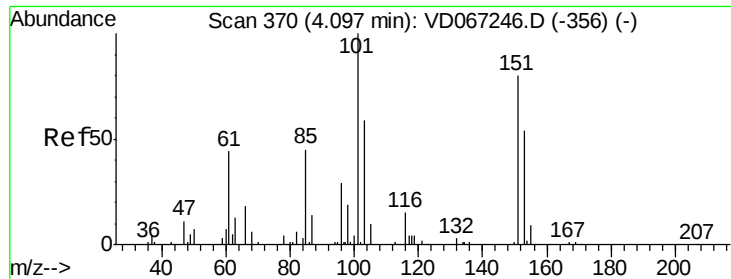


#8

Diethyl Ether
Concen: 19.607 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	27947		
45	76.4	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.781 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

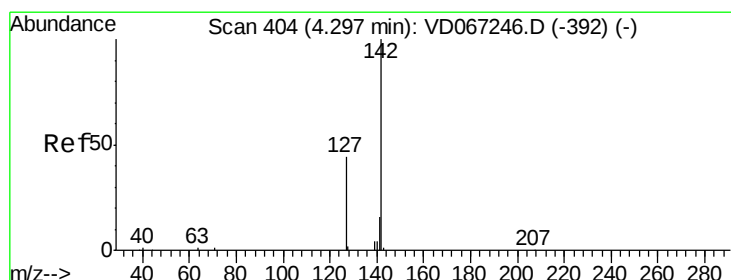
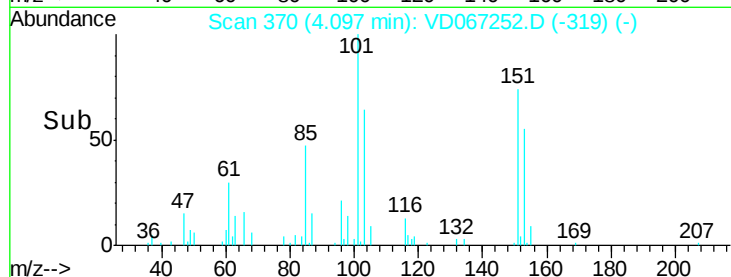
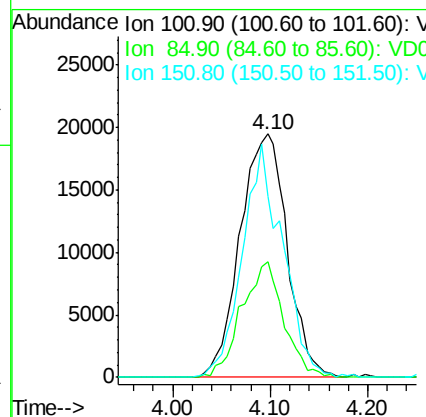
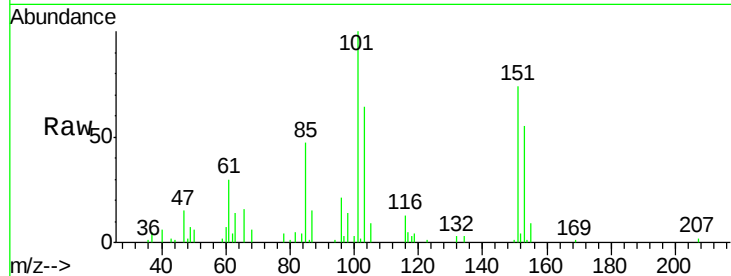
ClientSampleId :

VD1013SBS01

Tot Ion:	101	Resp:	65462
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	81.8	66.3	99.5

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#10

Methyl Iodide

Concen: 18.874 ug/l

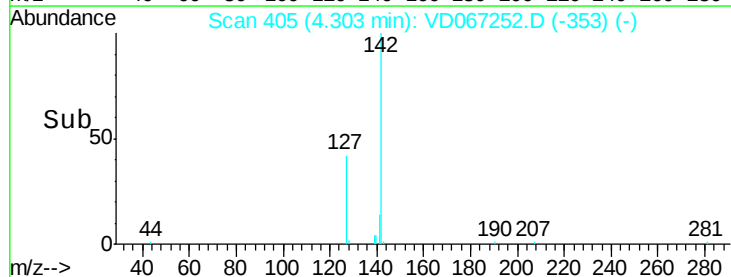
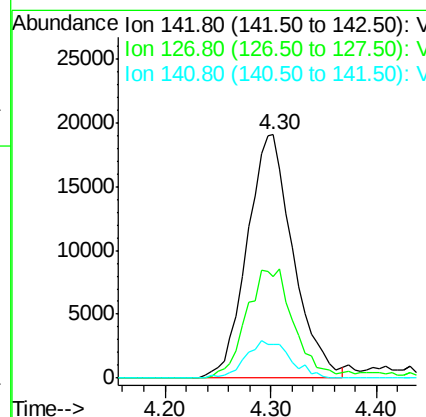
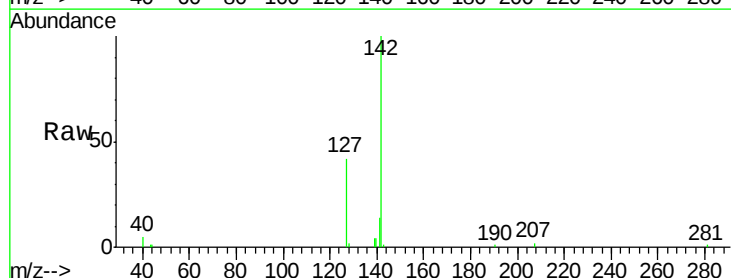
RT: 4.30 min Scan# 405

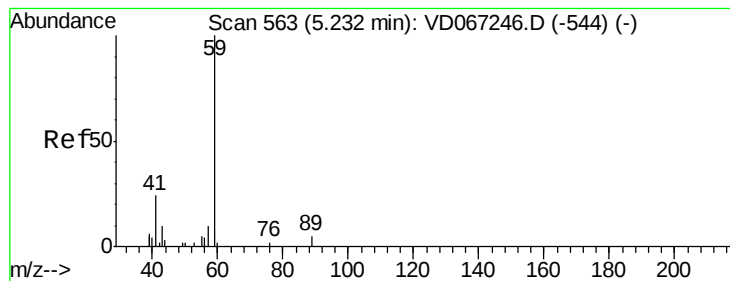
Delta R.T. 0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	142	Resp:	57619
Ion Ratio	Lower	Upper	
142	100		
127	45.4	38.4	57.6
141	14.8	11.6	17.4





#11

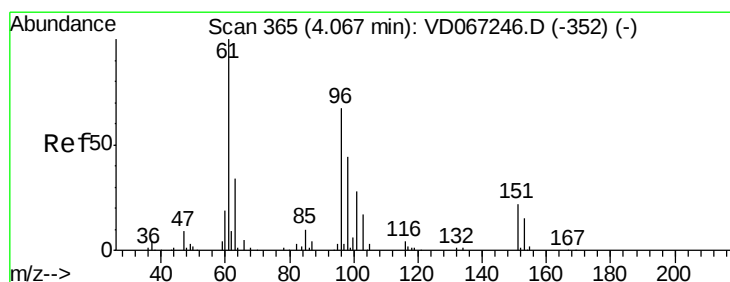
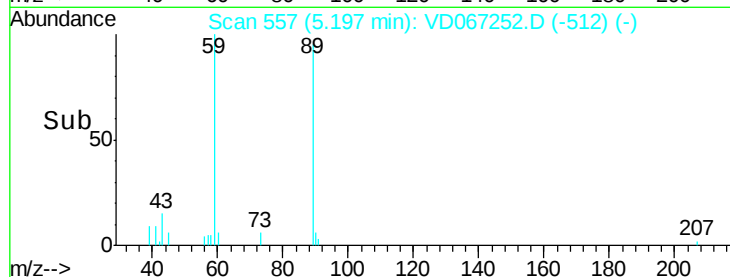
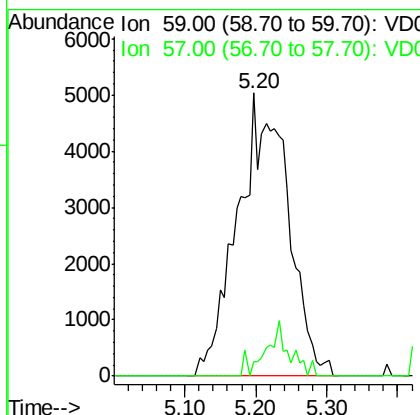
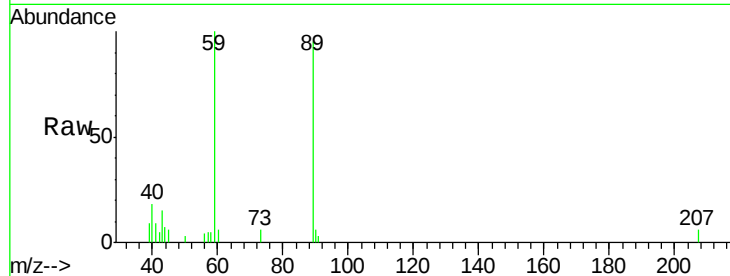
Tert butyl alcohol
 Concen: 106.925 ug/l m
 RT: 5.20 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion: 59 Resp: 24820
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#

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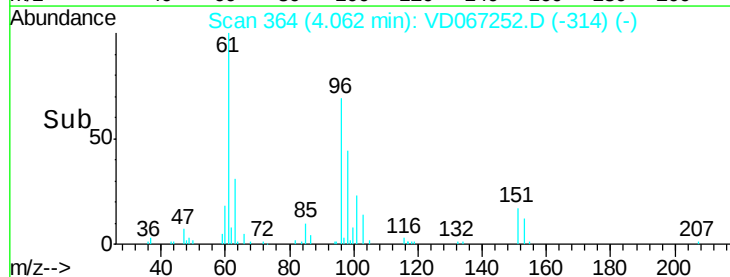
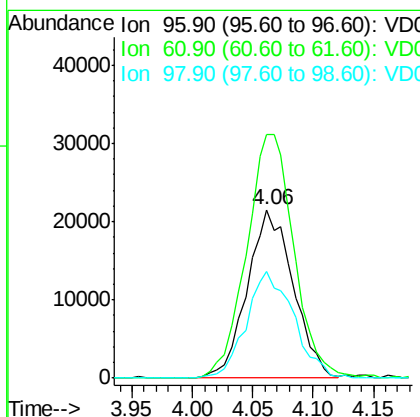
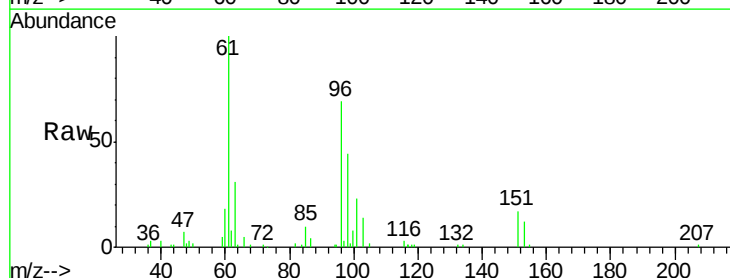
MMDadoda
 10/14/2020 2:10:22 PM

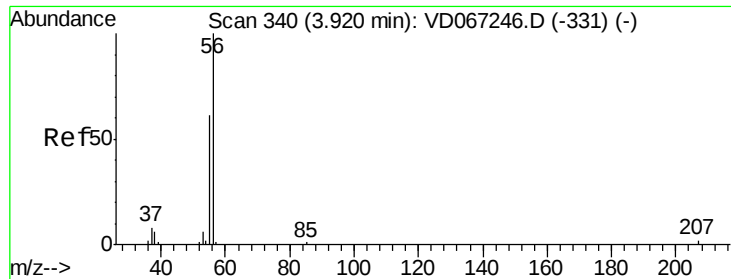


#12

1,1-Dichloroethene
 Concen: 19.231 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion: 96 Resp: 56856
 Ion Ratio Lower Upper
 96 100
 61 144.7 118.6 177.8
 98 63.4 51.8 77.6





#13

Acrolein

Concen: 87.870 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 56 Resp: 15548

Ion Ratio Lower Upper

56 100

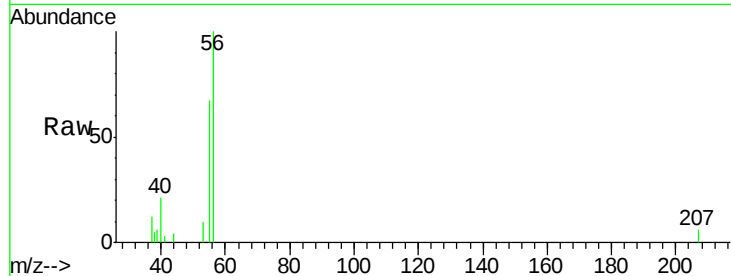
55 63.2 56.0 84.0

Manual Integrations

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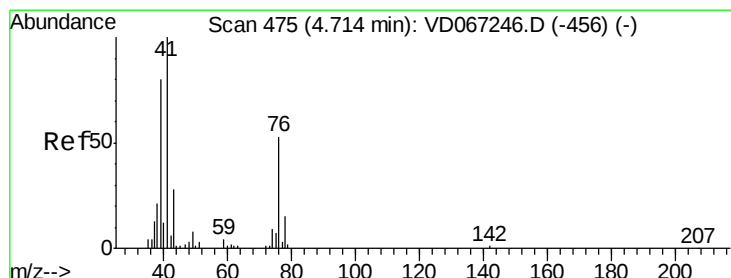
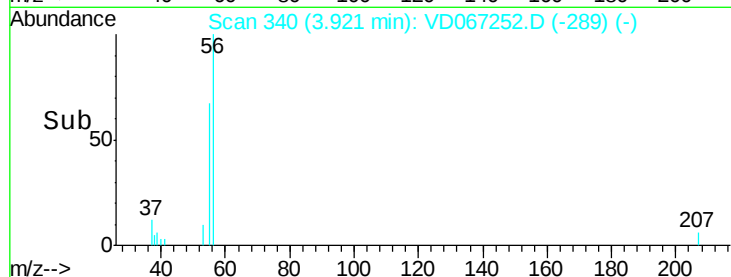
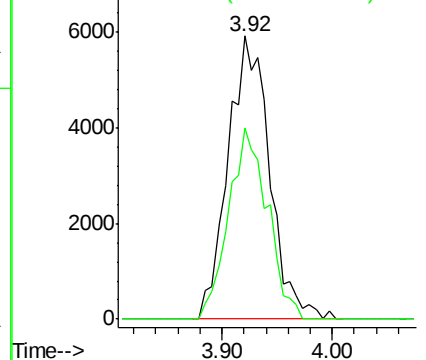
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.442 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

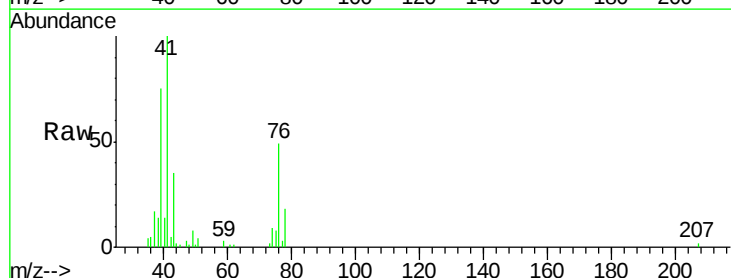
Tgt Ion: 41 Resp: 69212

Ion Ratio Lower Upper

41 100

39 77.2 63.8 95.6

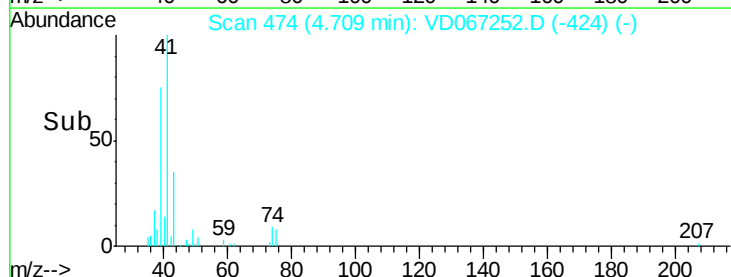
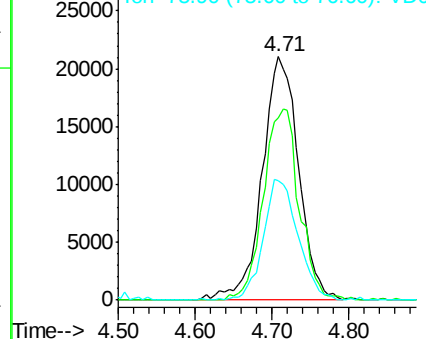
76 47.2 40.4 60.6

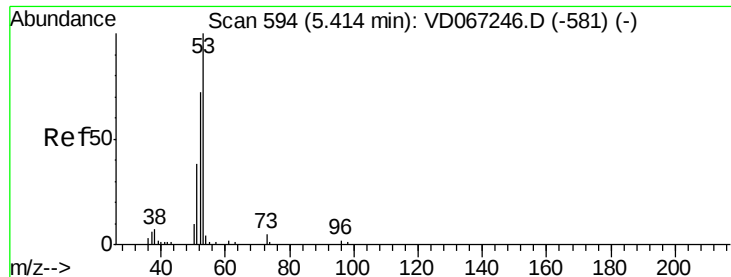


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 99.777 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

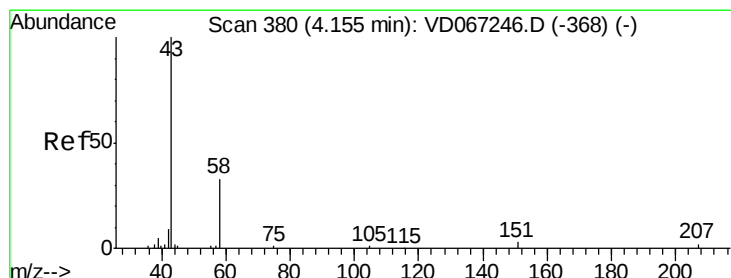
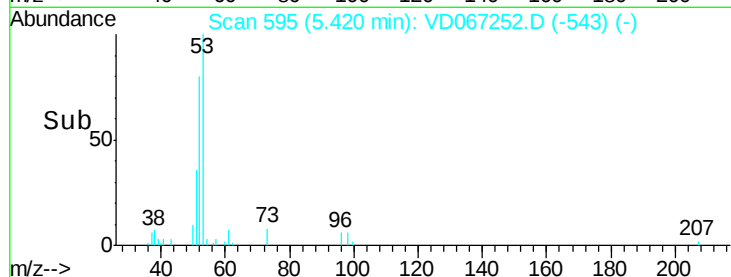
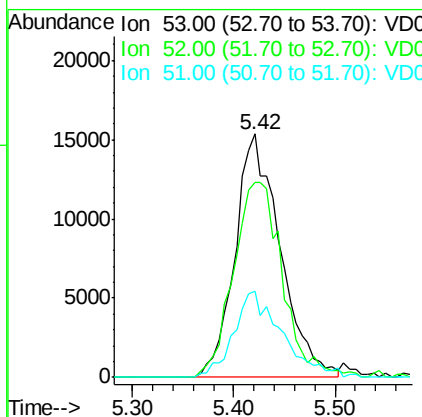
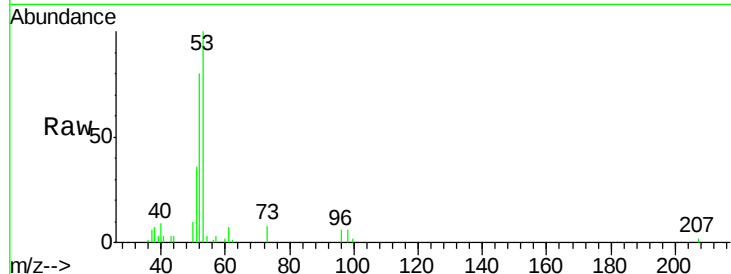
ClientSampleId :

VD1013SBS01

Tot Ion:	53	Resp:	47453
Ion	Ratio	Lower	Upper
53	100		
52	87.3	65.6	98.4
51	37.7	30.8	46.2

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#16

Acetone

Concen: 92.421 ug/l

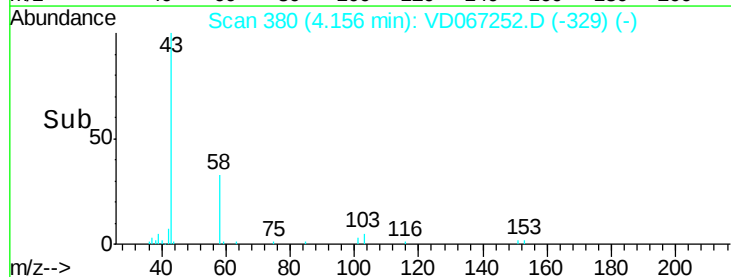
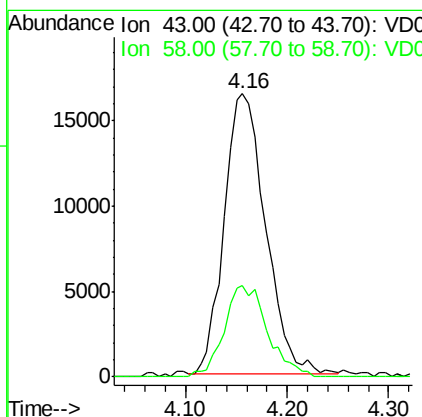
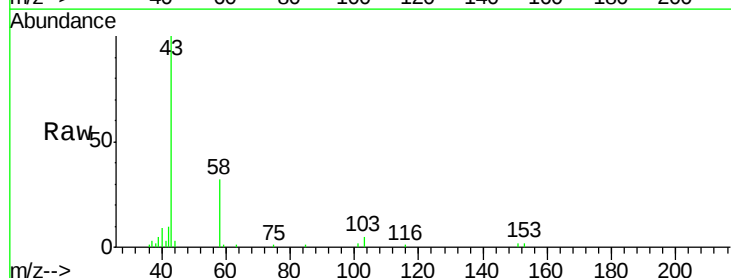
RT: 4.16 min Scan# 380

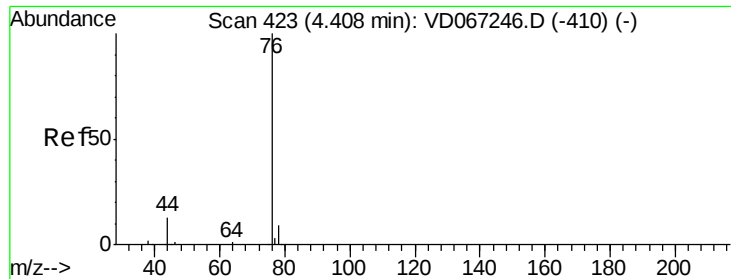
Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	43	Resp:	46453
Ion	Ratio	Lower	Upper
43	100		
58	32.8	26.1	39.1





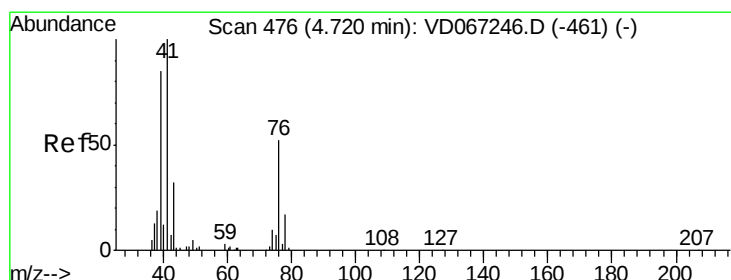
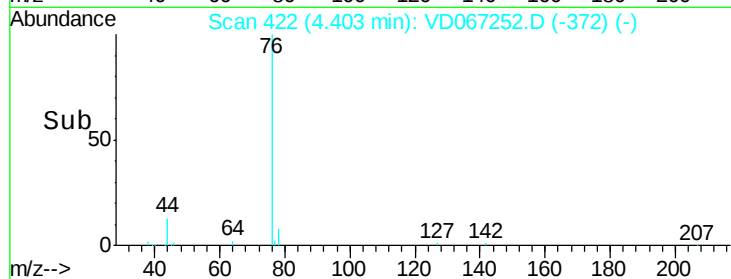
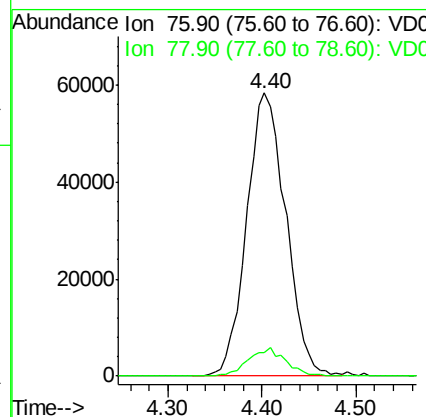
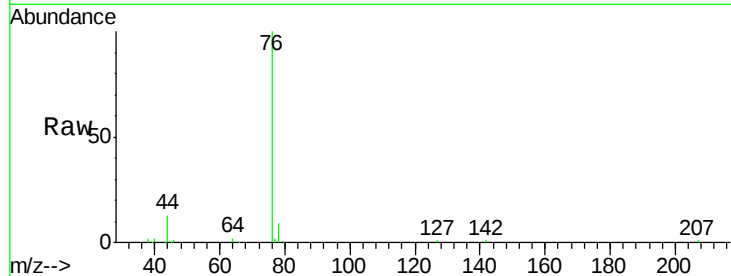
#17
Carbon Disulfide
Concen: 19.977 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.4	11.0

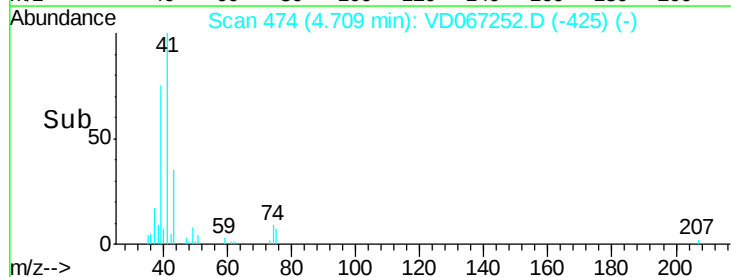
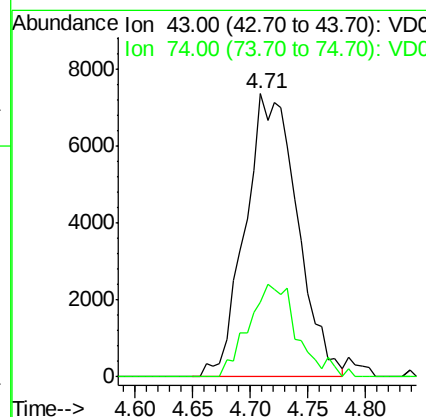
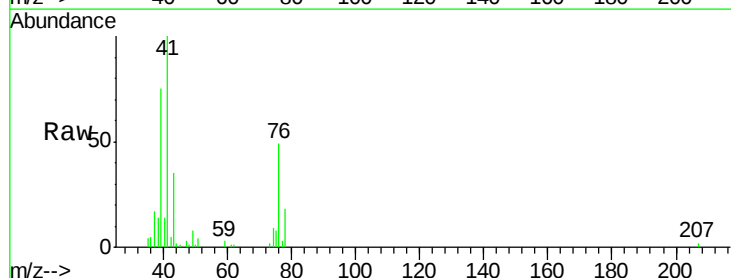
Manual Integrations
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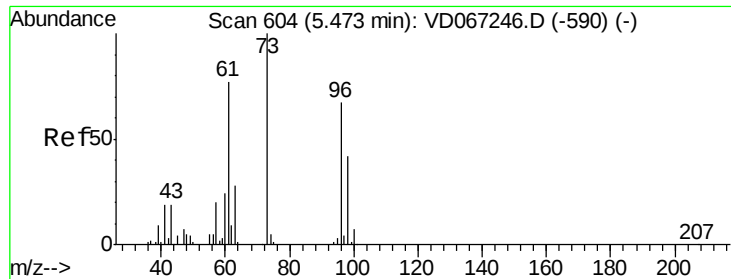
MMDadoda
10/14/2020 2:10:22 PM



#18
Methyl Acetate
Concen: 20.157 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.7	26.6	39.8





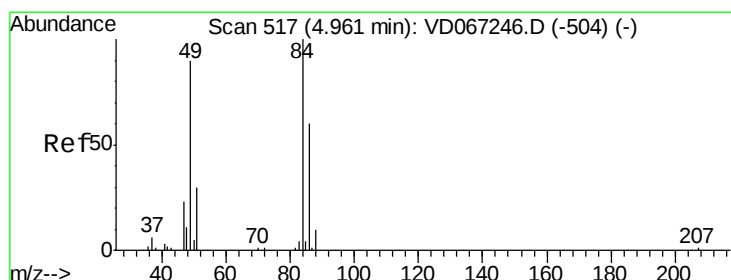
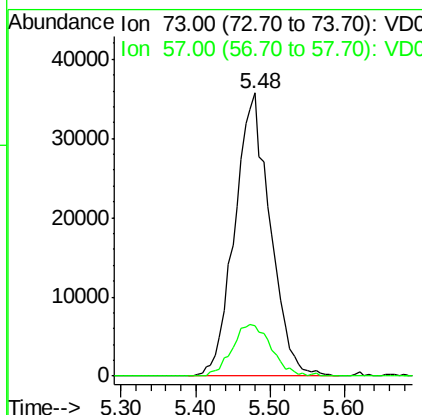
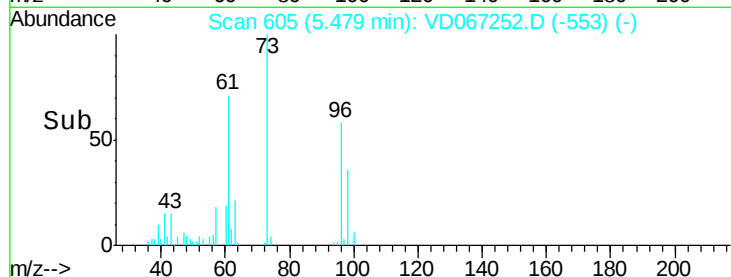
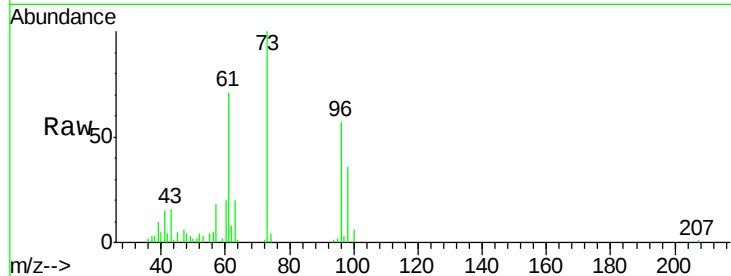
#19
Methvl tert-butvl Ether
Concen: 20.050 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 73 Resp: 117867
Ion Ratio Lower Upper
73 100
57 17.9 15.7 23.5

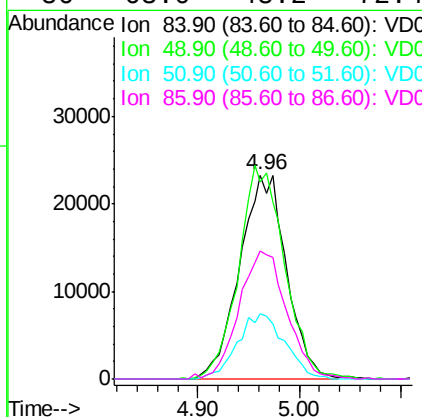
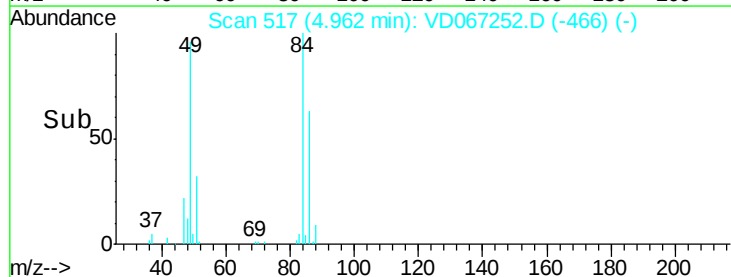
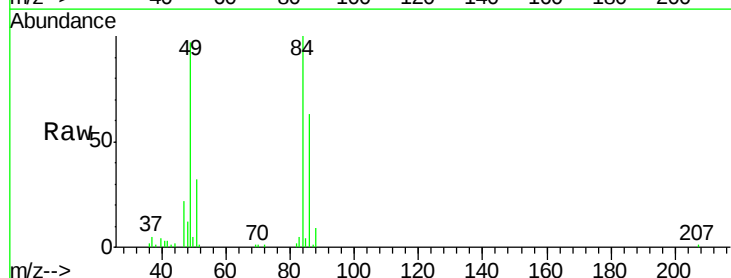
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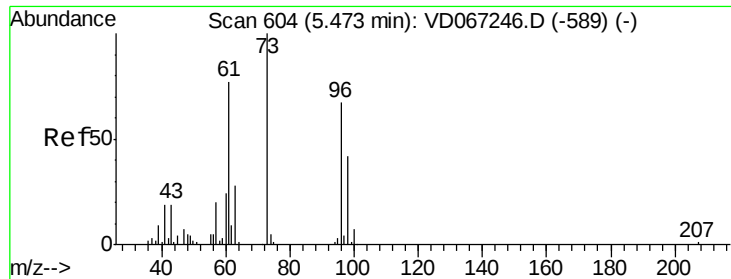
MMDadoda
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#20
Methylene Chloride
Concen: 20.583 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion: 84 Resp: 74769
Ion Ratio Lower Upper
84 100
49 96.5 72.2 108.2
51 32.1 23.8 35.8
86 63.0 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 19.659 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

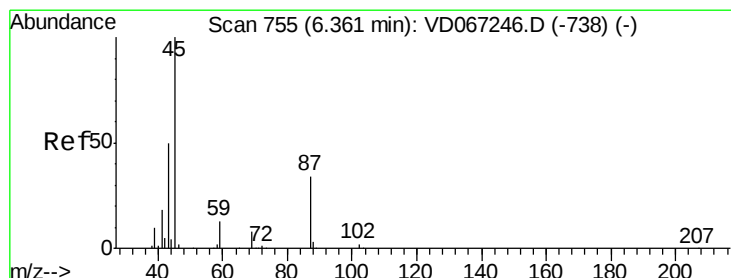
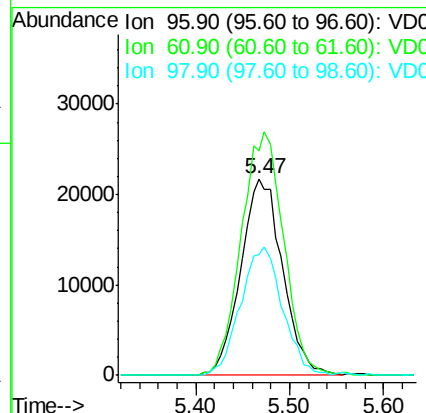
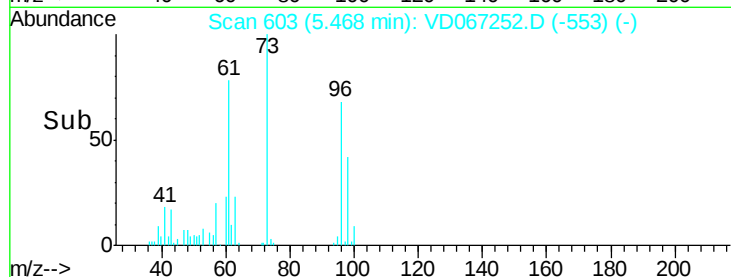
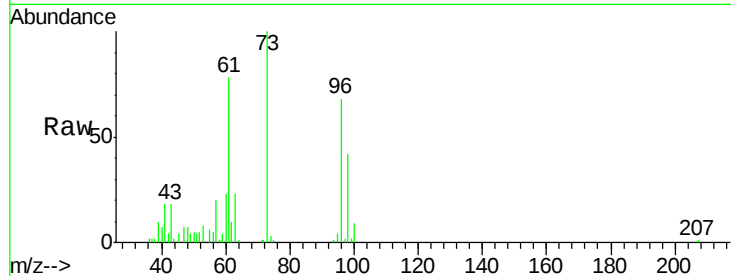
ClientSampleId :

VD1013SBSD01

Tot Ion:	96	Resp:	66886
Ion	Ratio	Lower	Upper
96	100		
61	114.4	92.0	138.0
98	61.4	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.570 ug/l

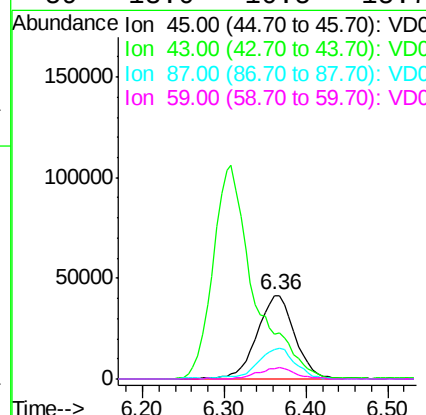
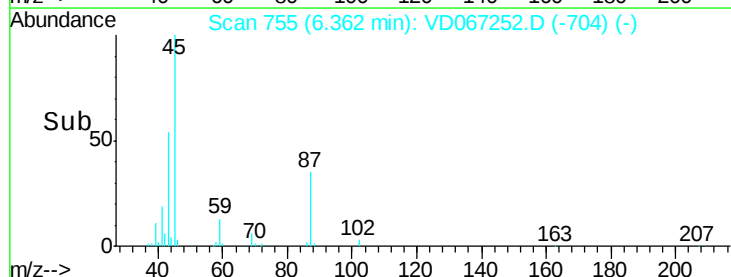
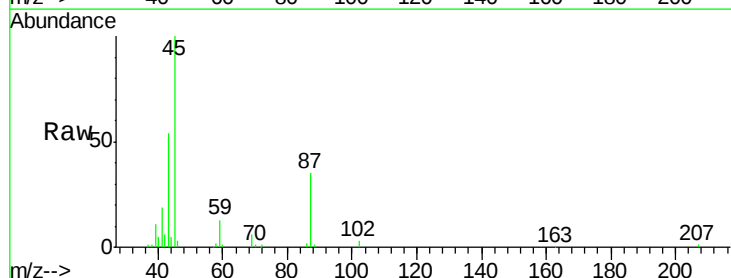
RT: 6.36 min Scan# 755

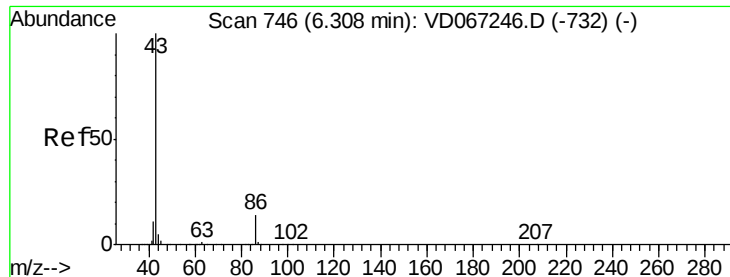
Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	45	Resp:	133407
Ion	Ratio	Lower	Upper
45	100		
43	53.0	48.0	72.0
87	34.7	28.5	42.7
59	13.0	10.5	15.7





#23

Vinyl Acetate

Concen: 105.039 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 43 Resp: 369603

Ion Ratio Lower Upper

43 100

86 12.7

11.0

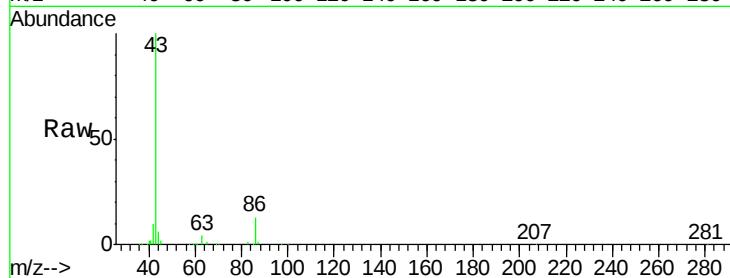
16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

120000

100000

80000

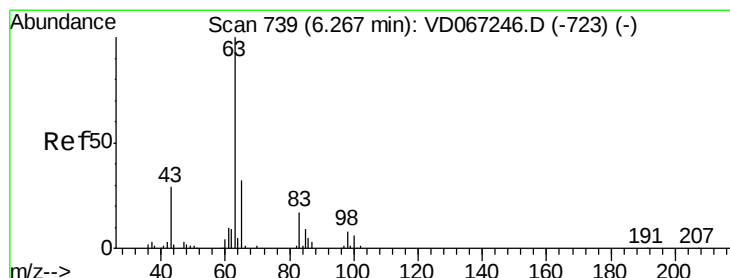
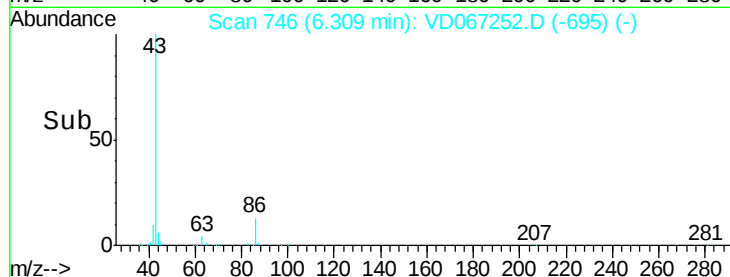
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.811 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion: 63 Resp: 104888

Ion Ratio Lower Upper

63 100

98 8.6

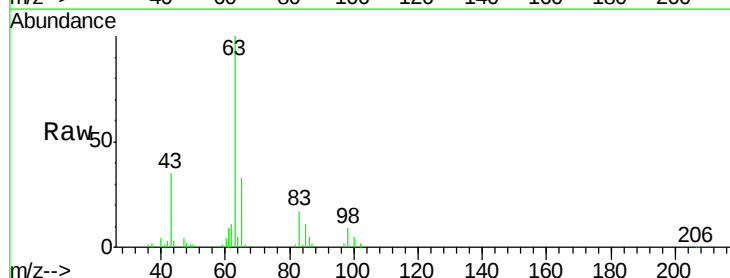
4.0

12.2

100 5.3

2.8

8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

40000

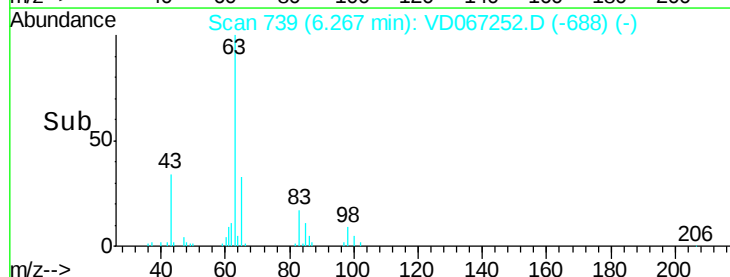
30000

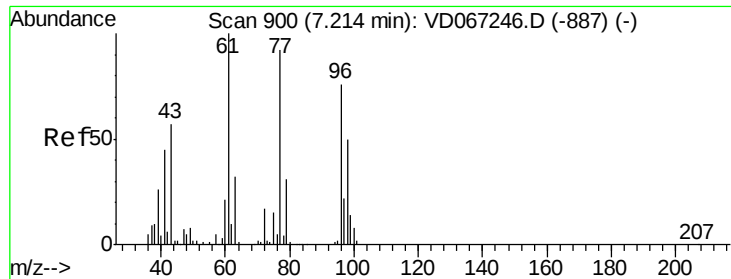
20000

10000

0

Time-->





#25

2-Butanone

Concen: 102.261 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBSD01

Tot Ion: 43 Resp: 58589

Ion Ratio Lower Upper

43 100

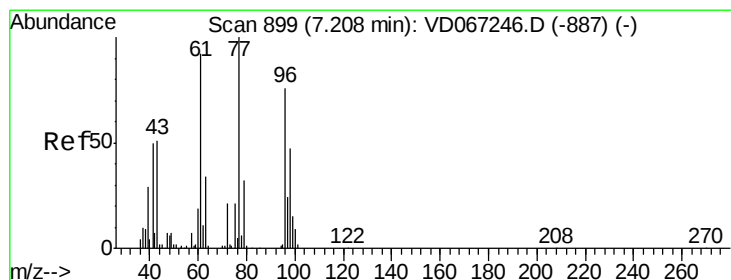
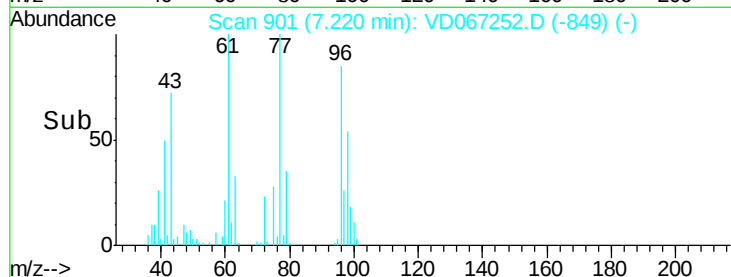
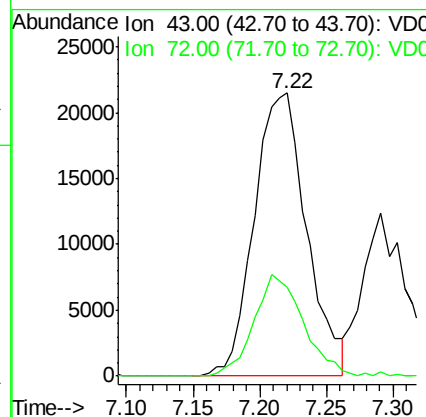
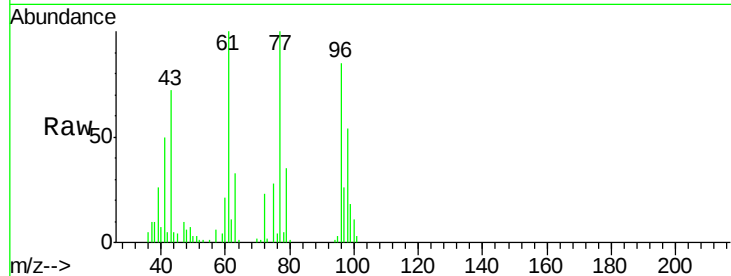
72 31.5 23.7 35.5

Manual Integrations

APPROVED

MMDadoda

10/14/2020 2:10:22 PM



#26

2,2-Dichloropropane

Concen: 19.213 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067252.D

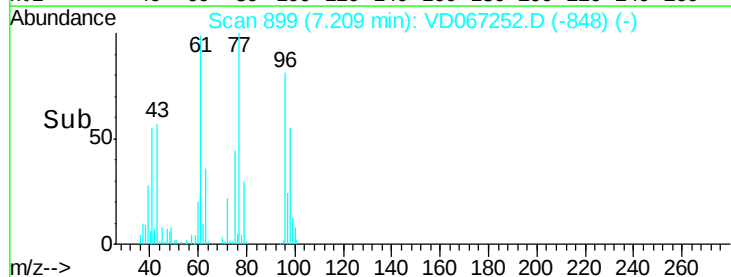
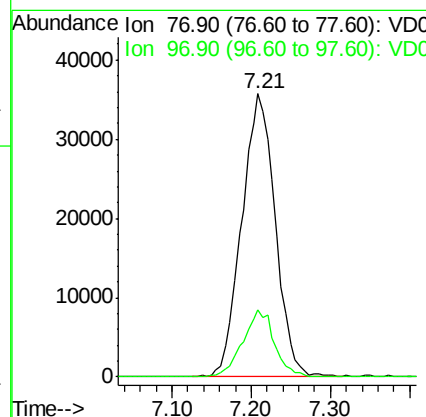
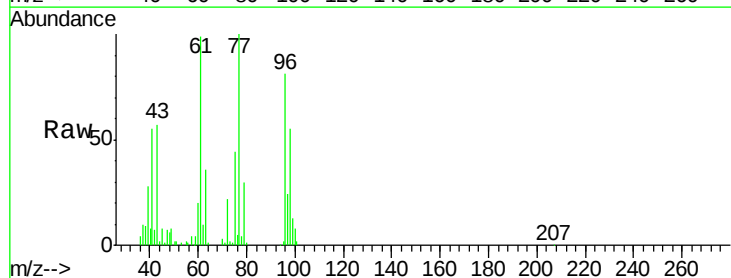
Acq: 13 Oct 2020 15:14

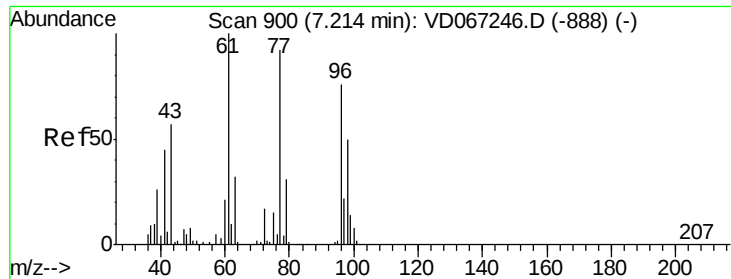
Tgt Ion: 77 Resp: 104844

Ion Ratio Lower Upper

77 100

97 22.3 11.4 34.2





#27

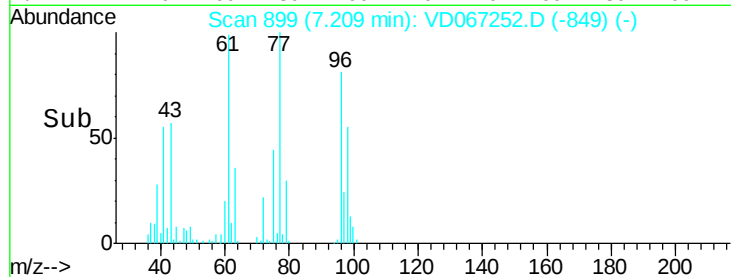
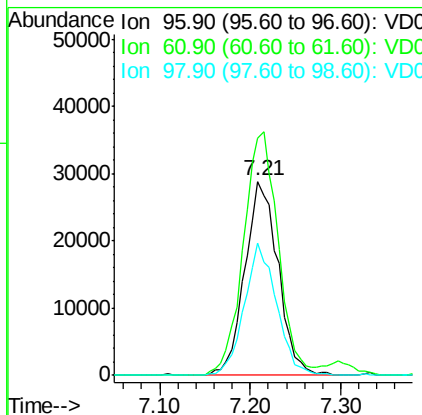
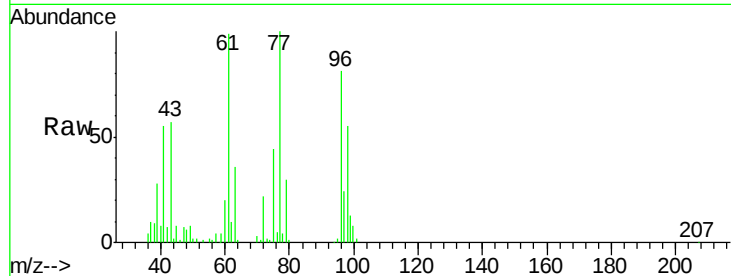
cis-1,2-Dichloroethene
Concen: 19.746 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	255.4
98	65.9	0.0	128.0

Manual Integrations
APPROVED

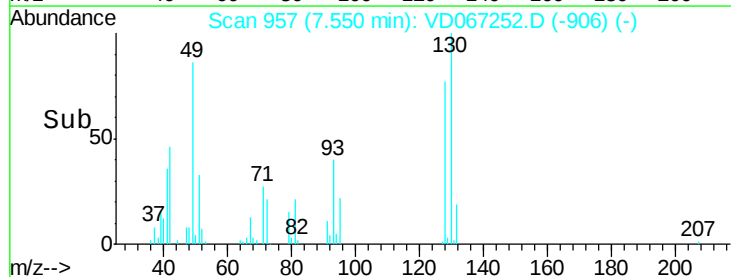
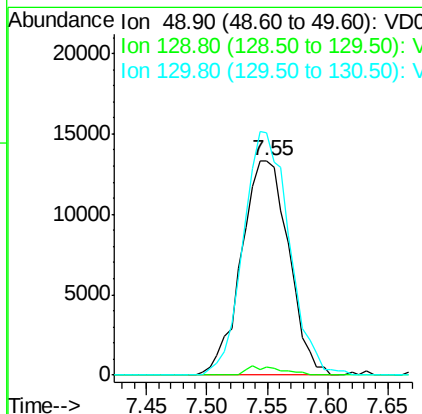
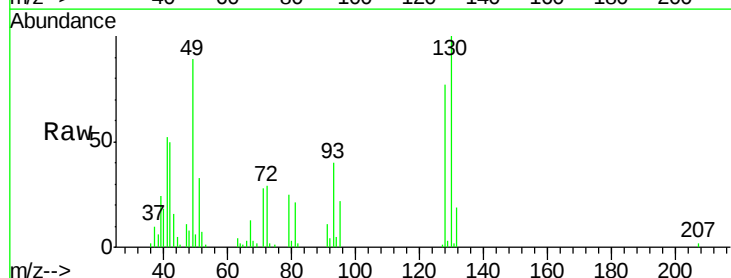
MMDadoda
10/14/2020 2:10:22 PM

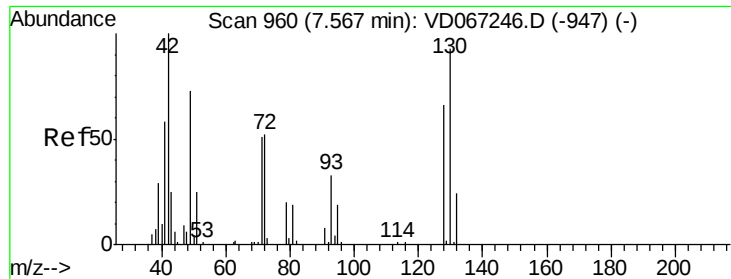


#28

Bromochloromethane
Concen: 20.072 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.0	0.0	1.6#
130	110.1	91.0	136.6





#29

Tetrahydrofuran

Concen: 103.723 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

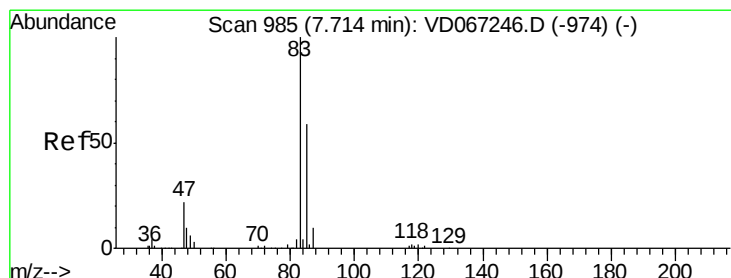
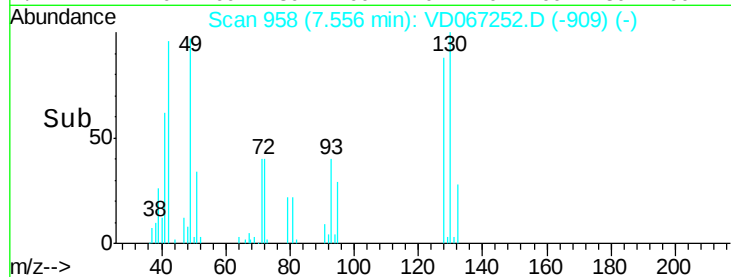
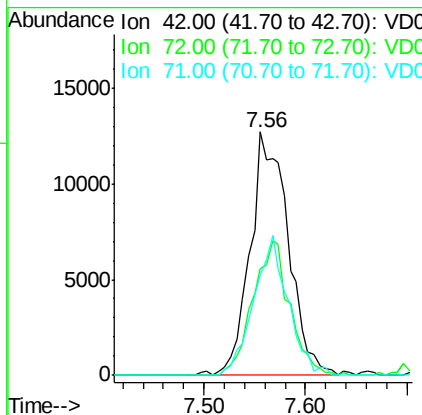
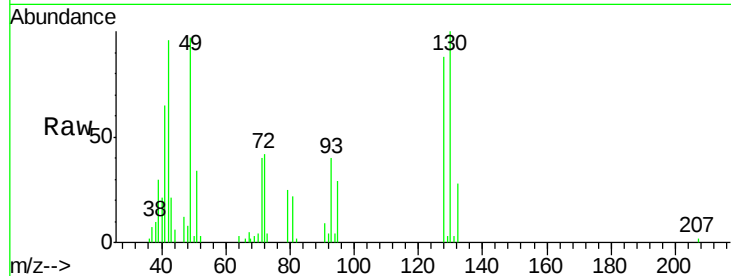
ClientSampleId :

VD1013SBS01

Tot Ion:	42	Resp:	33034
Ion	Ratio	Lower	Upper
42	100		
72	53.7	43.2	64.8
71	52.3	39.4	59.0

Manual Integrations
APPROVED

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#30

Chloroform

Concen: 20.244 ug/l

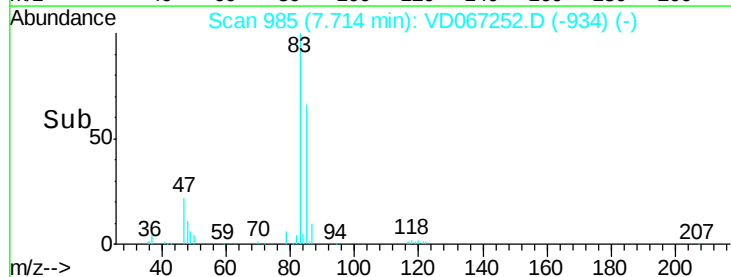
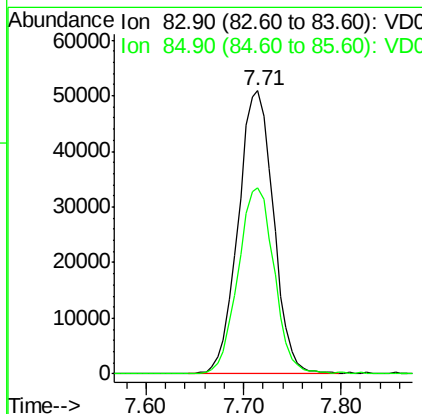
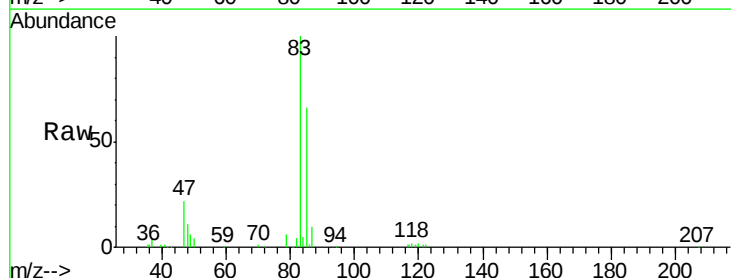
RT: 7.71 min Scan# 985

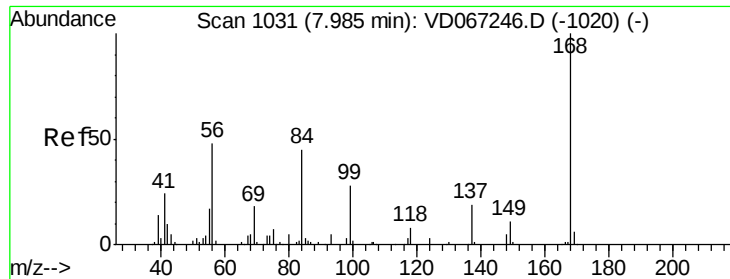
Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	83	Resp:	128037
Ion	Ratio	Lower	Upper
83	100		
85	65.9	47.3	70.9





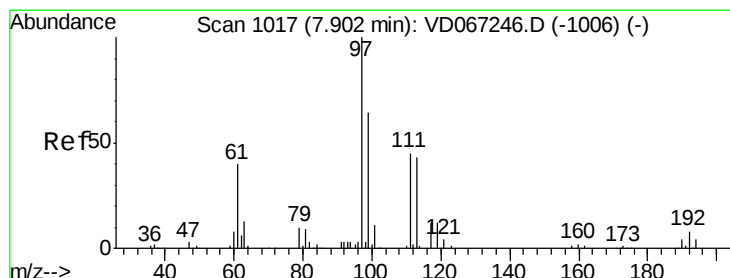
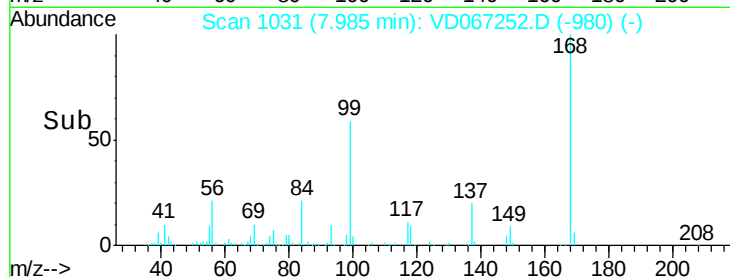
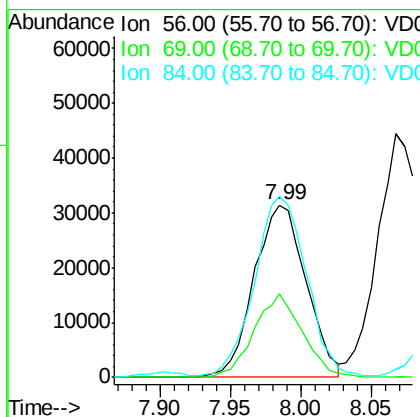
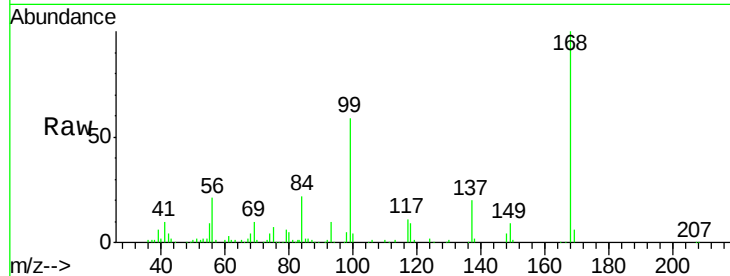
#31
Cyclohexane
Concen: 19.560 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.5	29.8	44.6#
84	103.8	76.6	114.8

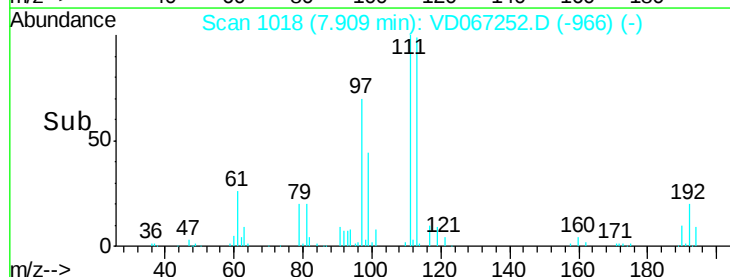
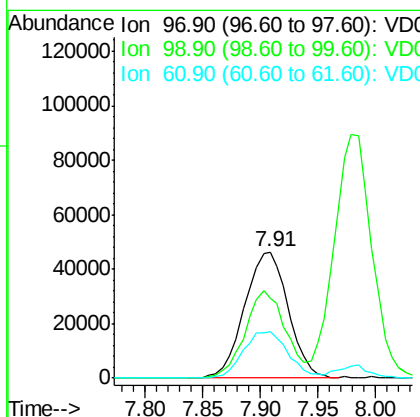
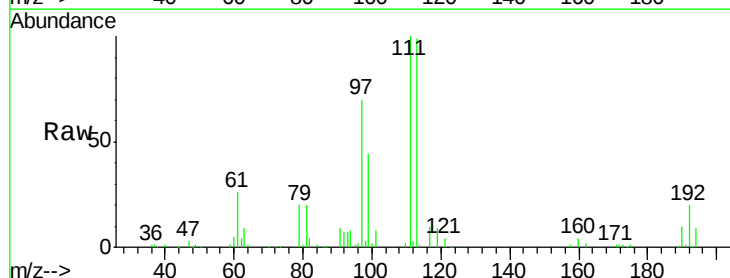
Manual Integrations
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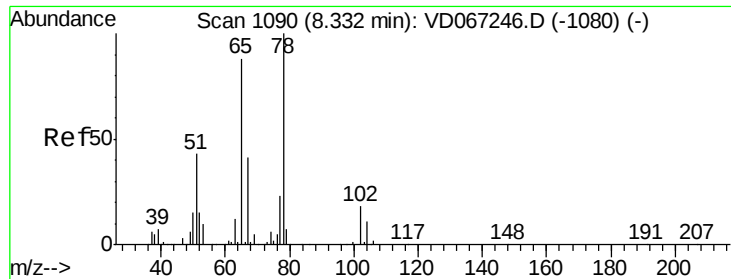
MMDadoda
10/14/2020 2:10:22 PM



#32
1,1,1-Trichloroethane
Concen: 19.620 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.2	75.4
61	38.5	30.5	45.7





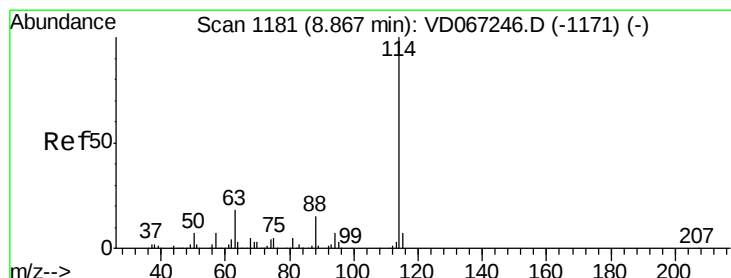
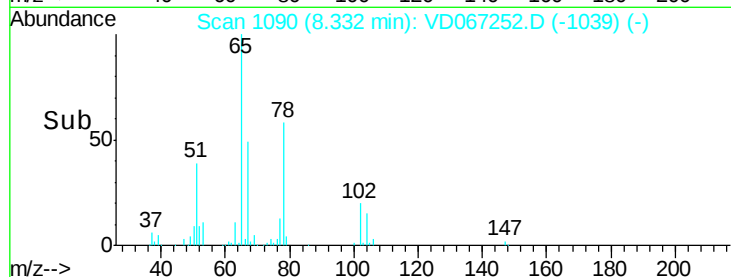
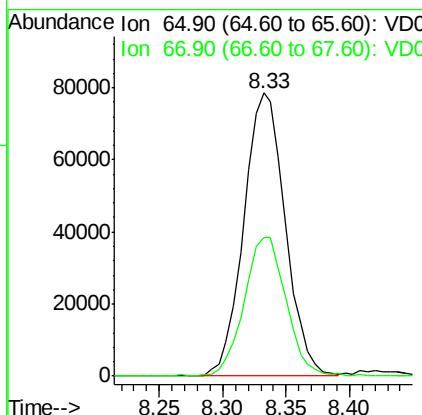
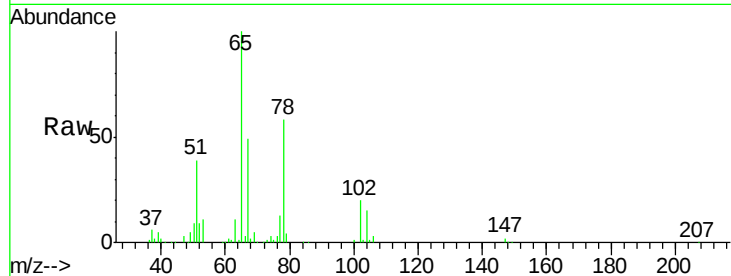
#33
 1,2-Dichloroethane-d4
 Concen: 49.693 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.0	0.0	103.8

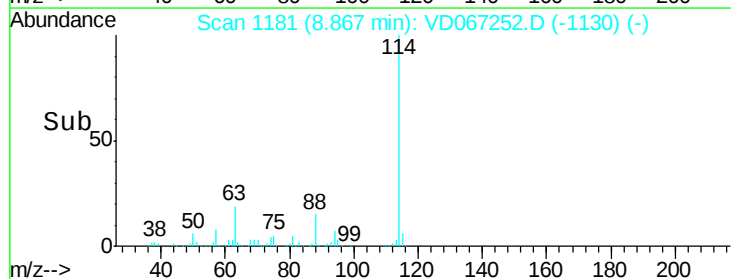
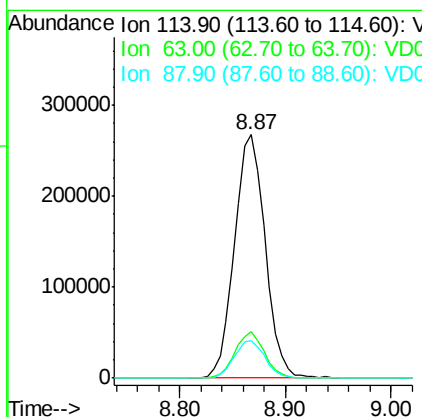
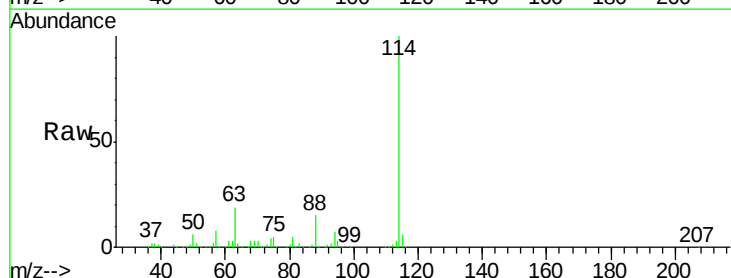
Manual Integrations
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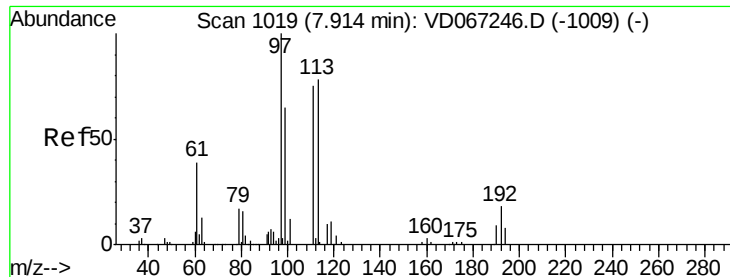
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	35.0
88	15.5	0.0	30.6





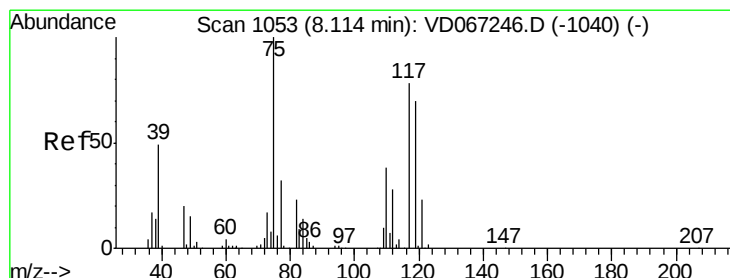
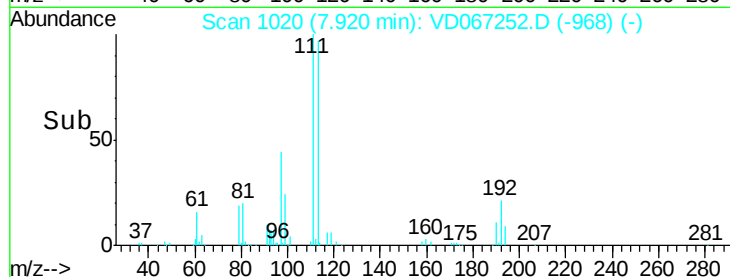
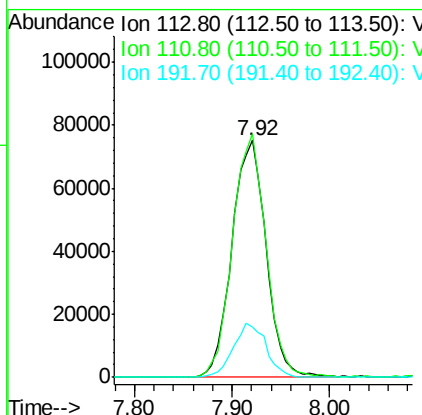
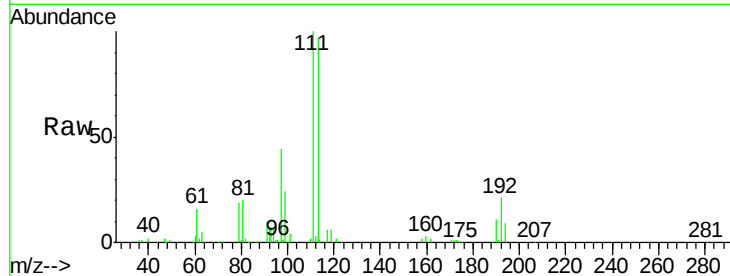
#35
Dibromofluoromethane
Concen: 51.157 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.6	122.4
192	21.9	17.0	25.4

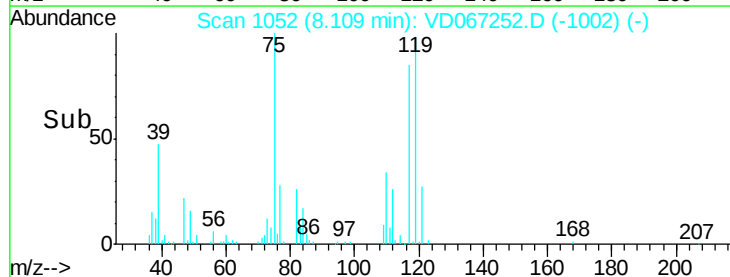
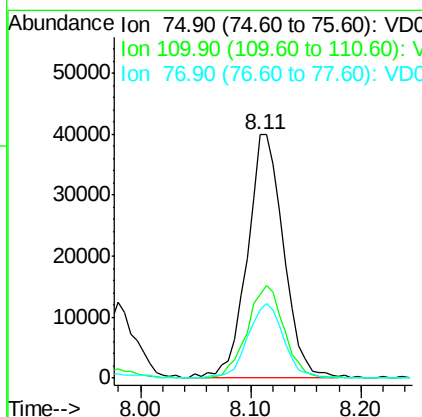
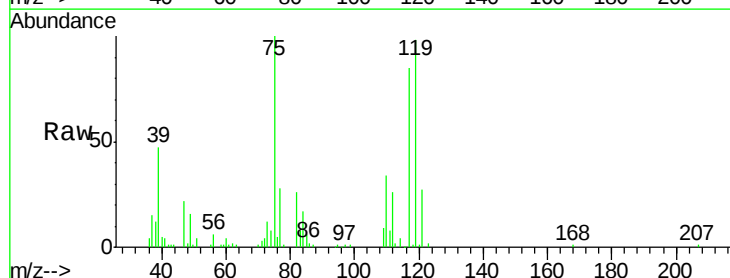
Manual Integrations
APPROVED

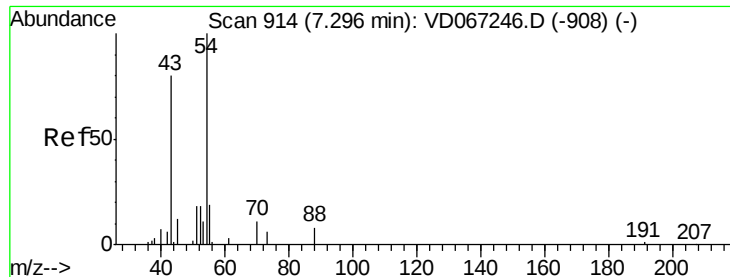
MMDadoda
10/14/2020 2:10:22 PM



#36
1,1-Dichloropropene
Concen: 20.137 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.3	19.6	58.7
77	30.2	24.6	37.0





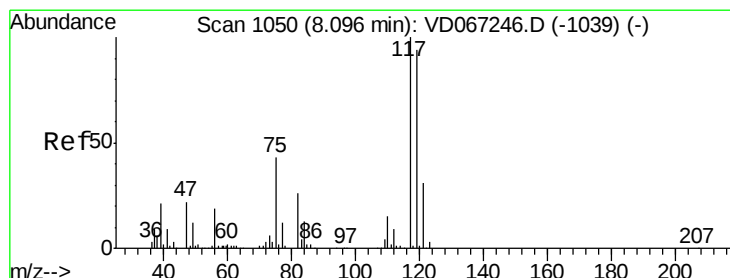
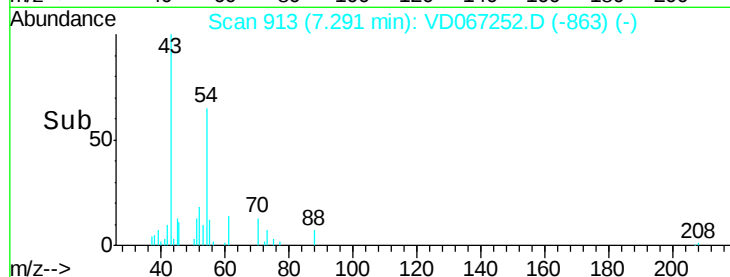
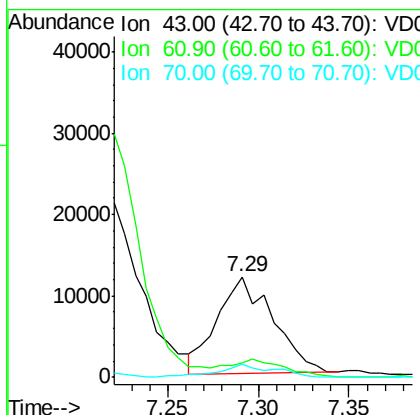
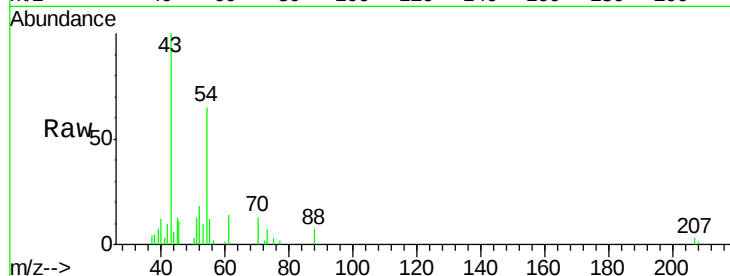
#37
Ethyl Acetate
Concen: 18.862 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.6	23.4
70	13.9	10.4	15.6

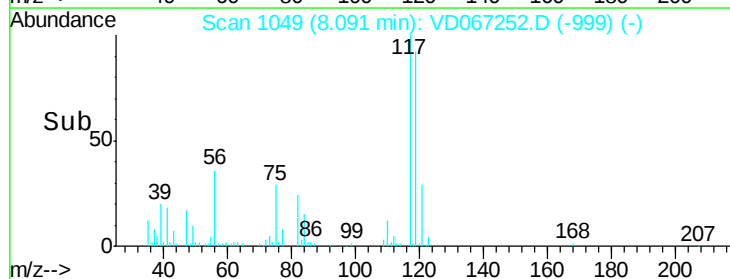
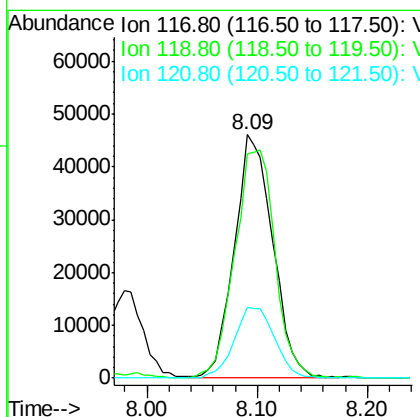
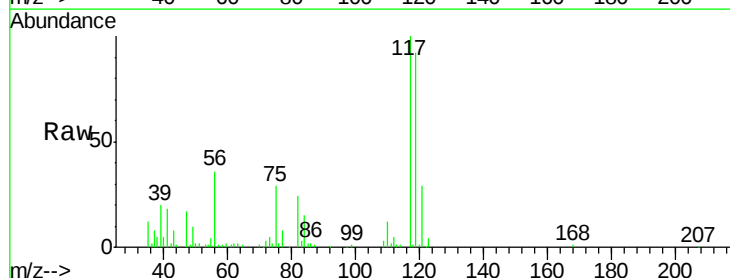
Manual Integrations
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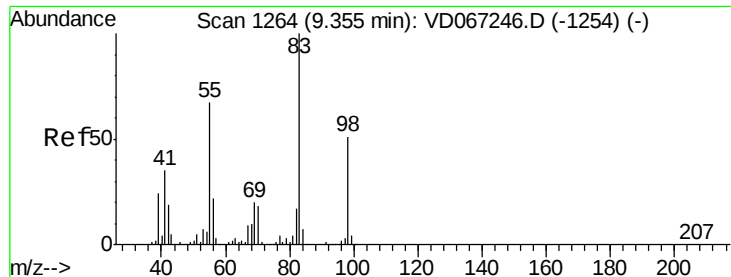
MMDadoda
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#38
Carbon Tetrachloride
Concen: 19.115 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.7	75.0	112.4
121	29.1	24.9	37.3





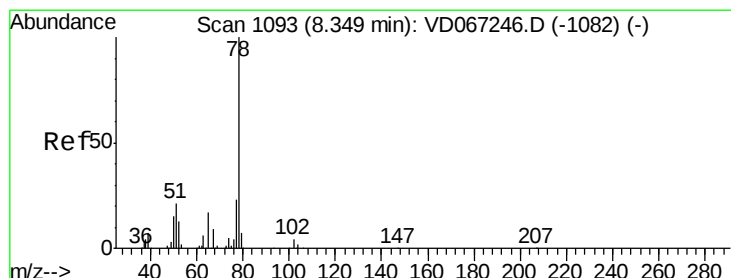
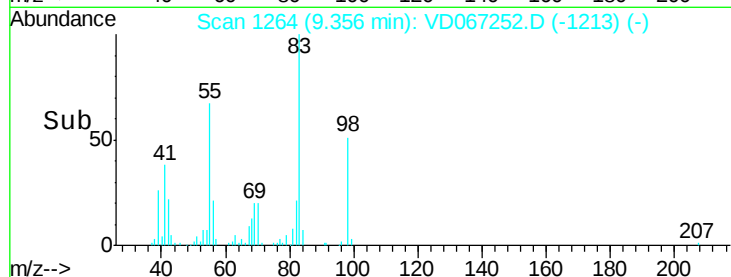
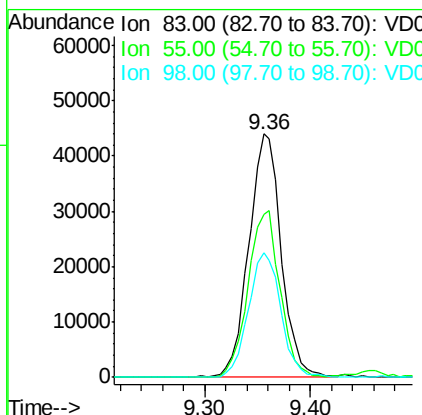
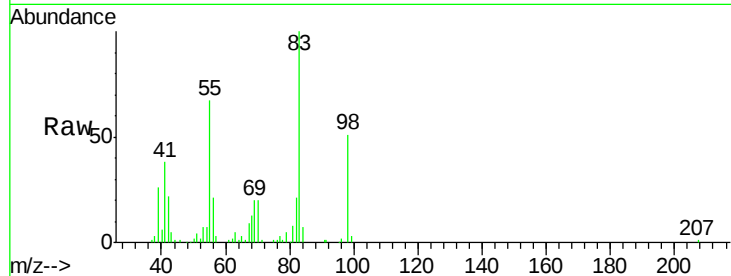
#39
Methvlcvclohexane
Concen: 19.634 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.0	53.3	79.9
98	50.9	41.0	61.4

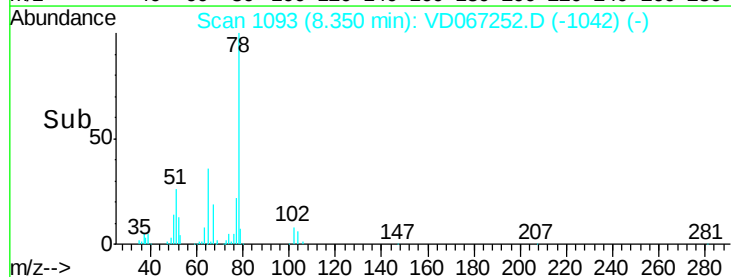
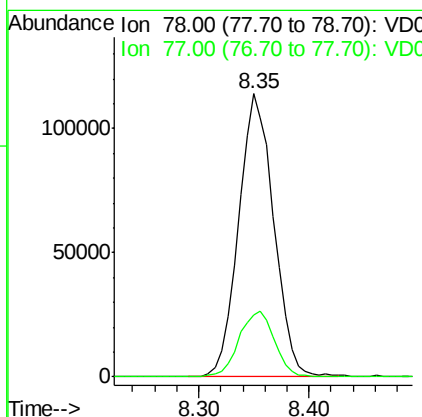
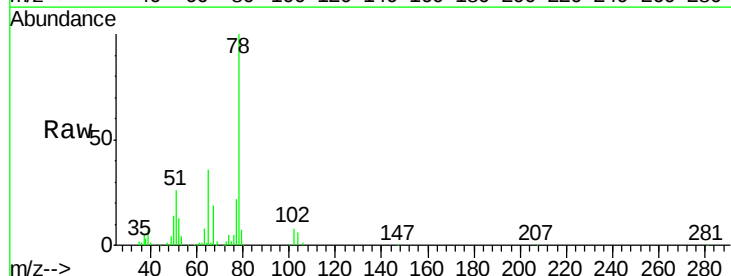
Manual Integrations
APPROVED

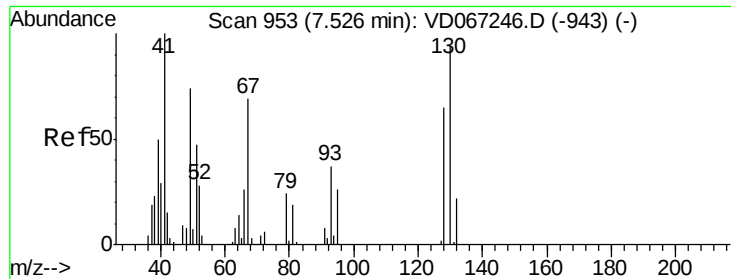
MMDadoda
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#40
Benzene
Concen: 20.337 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.8	18.3	27.5





#41

Methacrylonitrile

Concen: 24.409 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 41 Resp: 17758

Ion Ratio Lower Upper

41 100

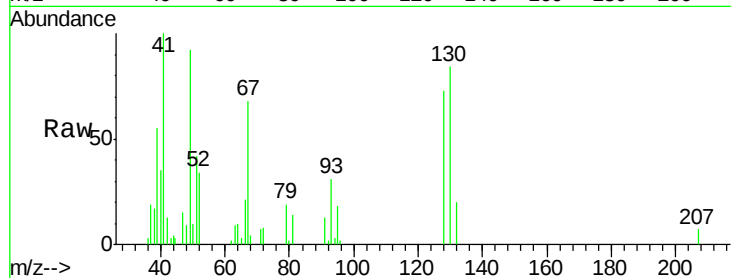
39 63.7 60.0 90.0

67 78.1 88.9 133.3#

52 36.1 36.9 55.3#

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:22 PM

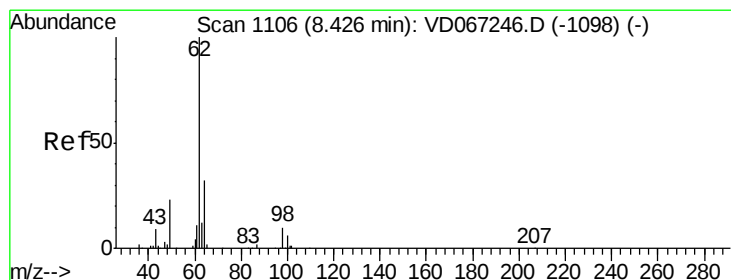
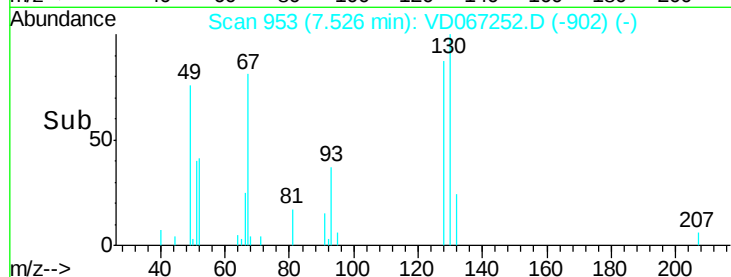
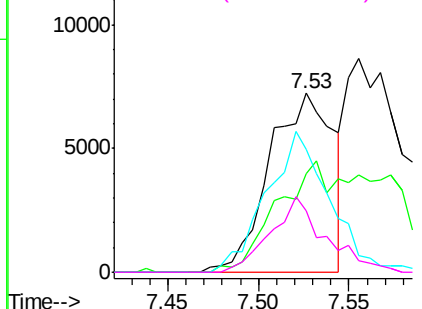


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 20.164 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067252.D

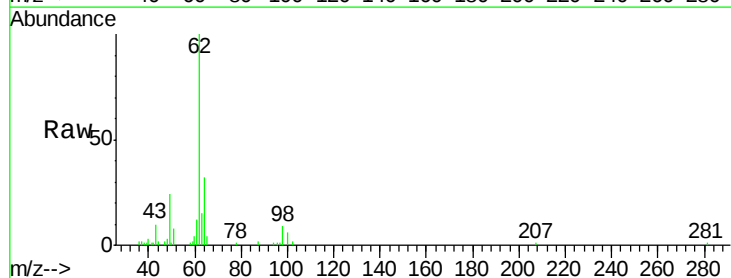
Acq: 13 Oct 2020 15:14

Tgt Ion: 62 Resp: 79215

Ion Ratio Lower Upper

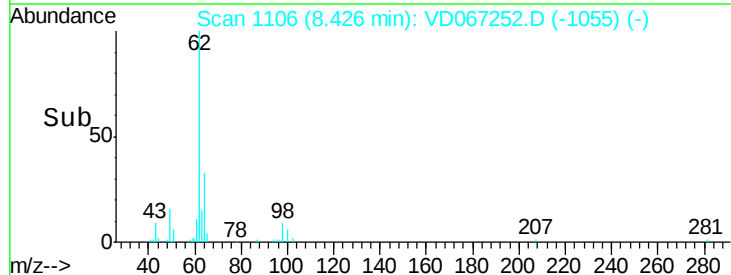
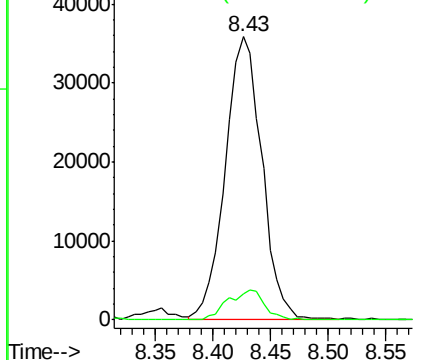
62 100

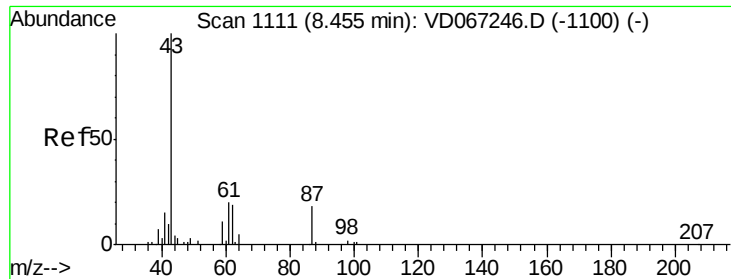
98 10.6 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.643 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

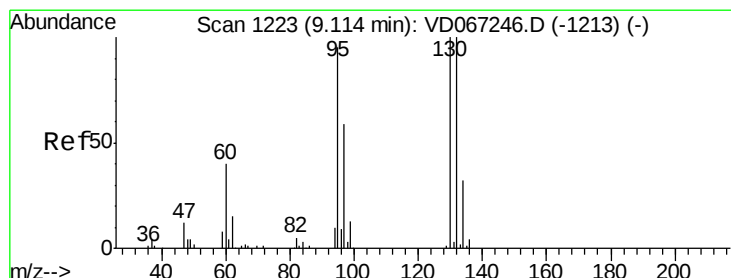
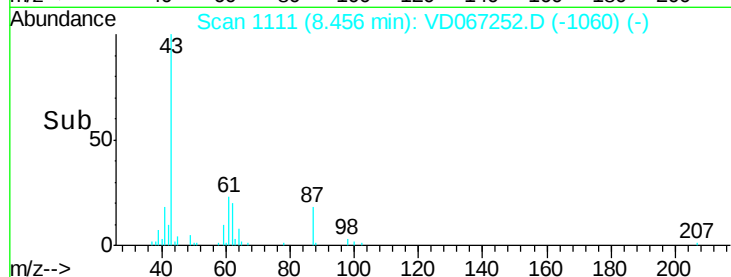
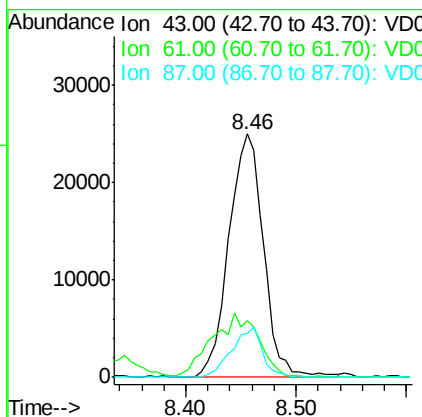
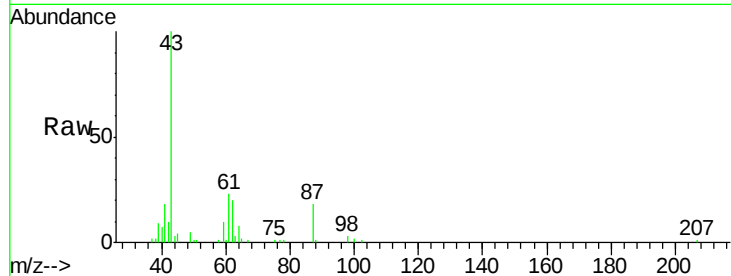
ClientSampleId :

VD1013SBS01

Tot Ion:	43	Resp:	55145
Ion	Ratio	Lower	Upper
43	100		
61	34.9	29.5	44.3
87	18.2	14.2	21.4

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#44

Trichloroethene

Concen: 20.272 ug/l

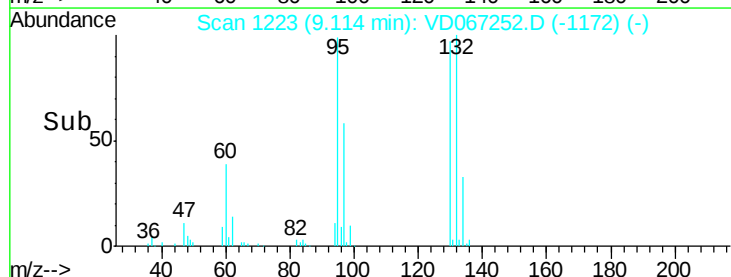
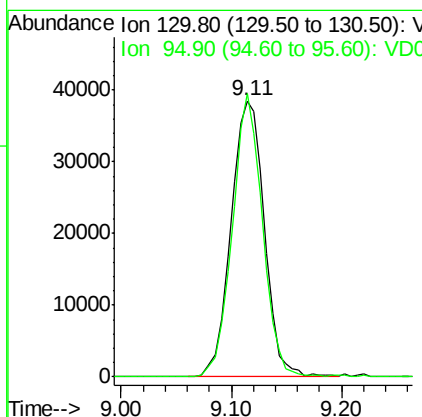
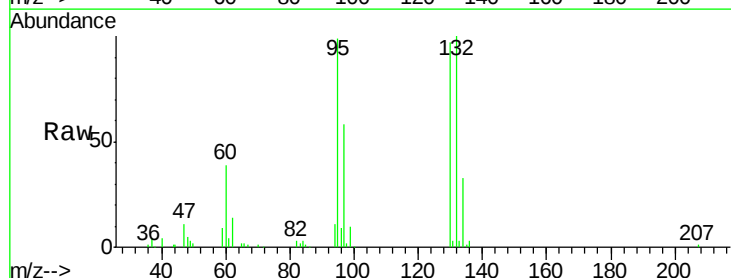
RT: 9.11 min Scan# 1223

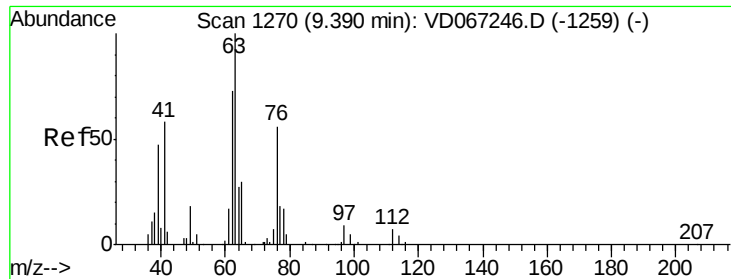
Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	130	Resp:	81478
Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	190.6





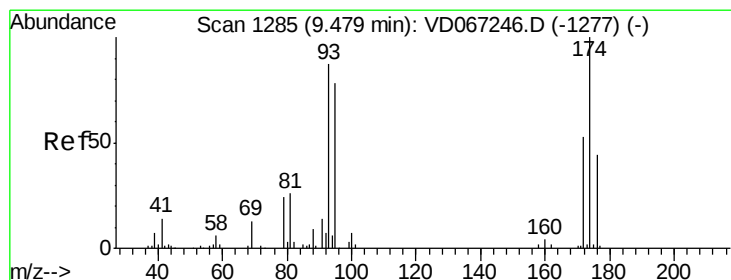
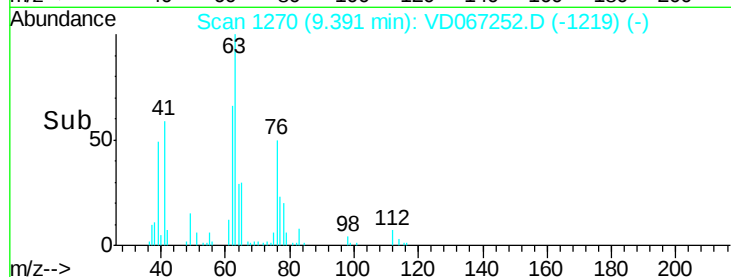
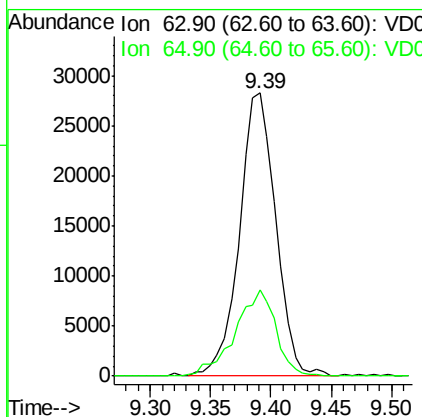
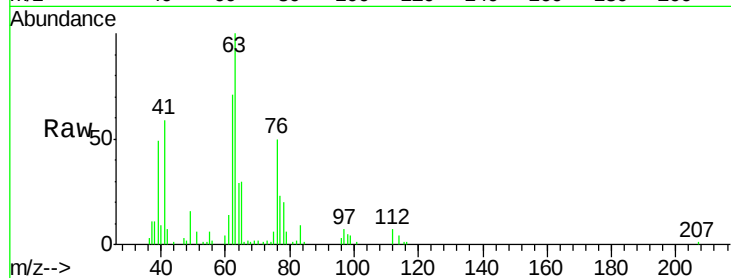
#45
 1,2-Dichloropropane
 Concen: 20.368 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.3	24.6	36.8

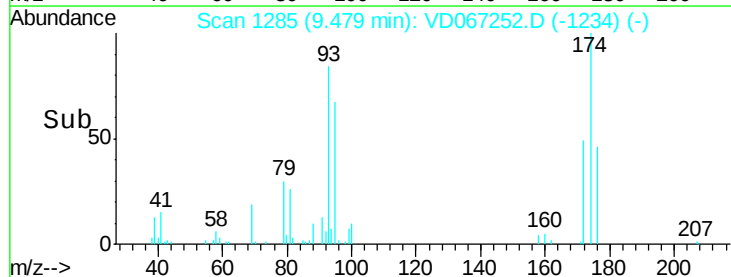
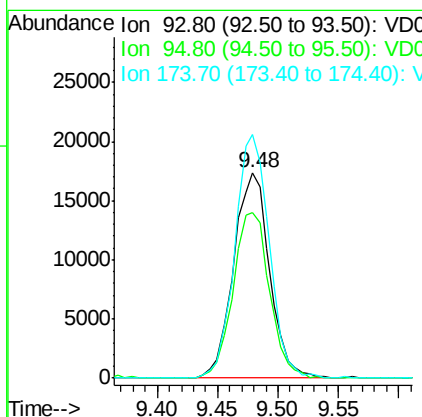
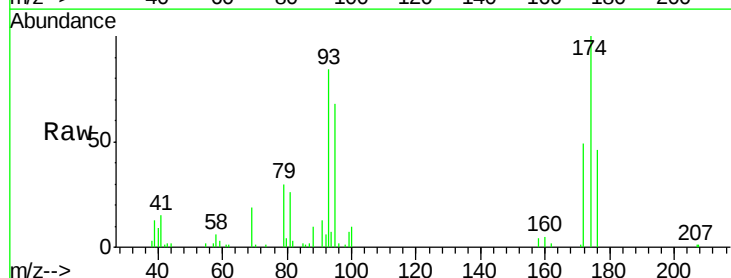
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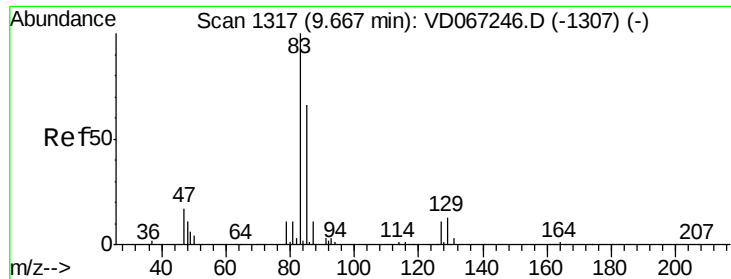
MMDadoda
 10/14/2020 2:10:22 PM



#46
 Dibromomethane
 Concen: 19.907 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.7	68.0	102.0
174	113.2	91.8	137.6





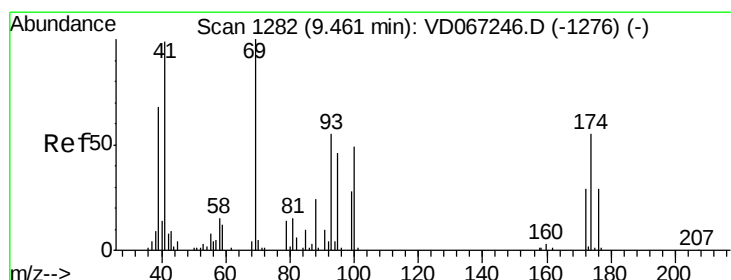
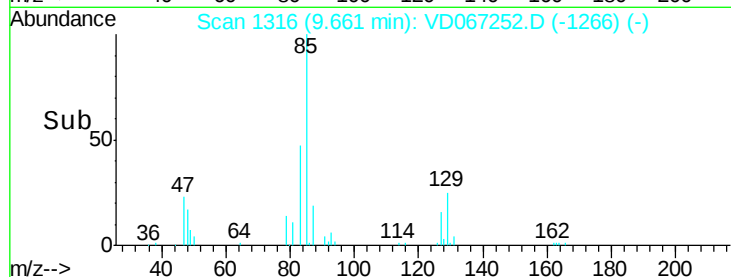
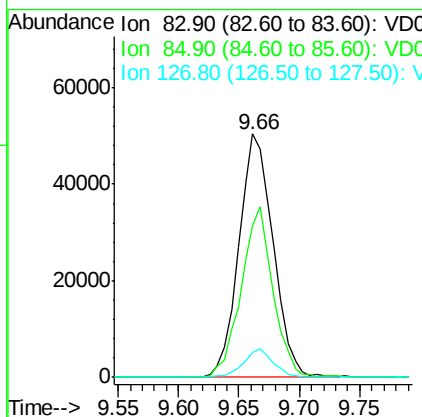
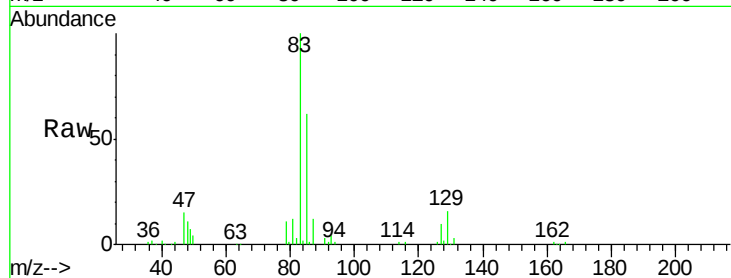
#47
Bromodichloromethane
Concen: 20.501 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	99563		
85	62.0		53.1	79.7
127	9.9		8.6	13.0

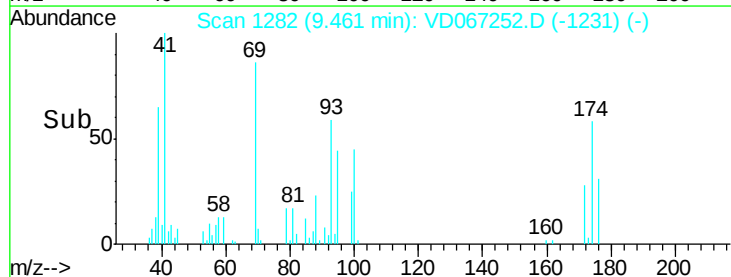
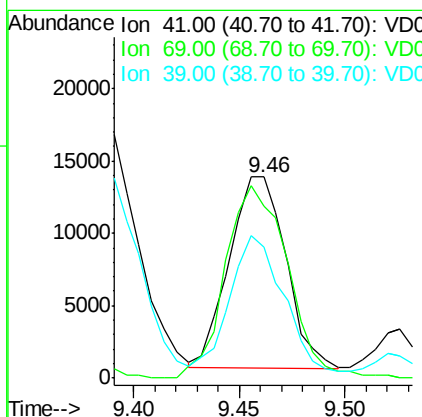
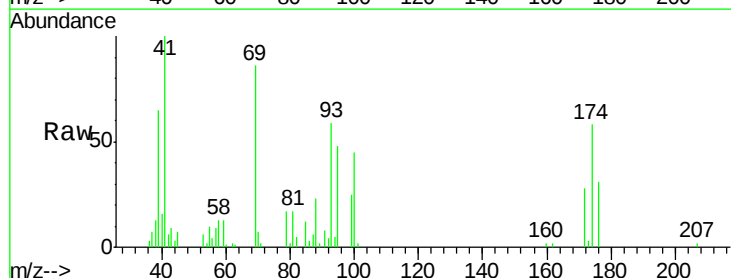
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#48
Methyl methacrylate
Concen: 18.982 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	24643		
69	111.0		89.0	133.6
39	73.9		60.2	90.2





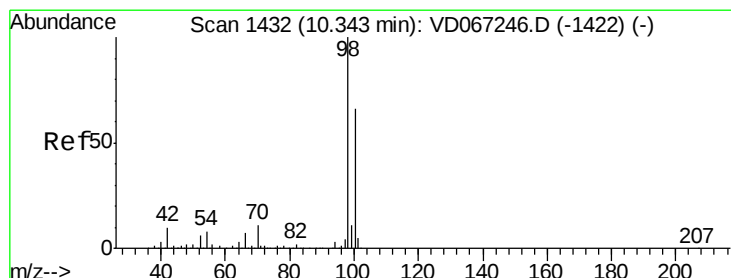
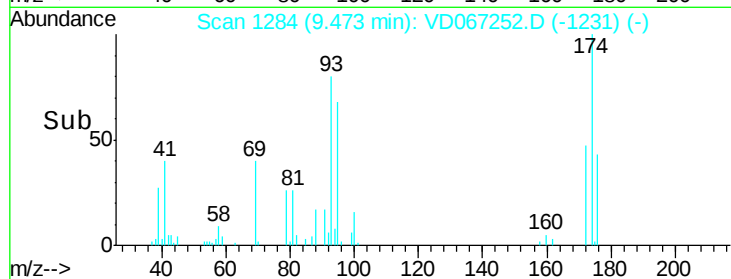
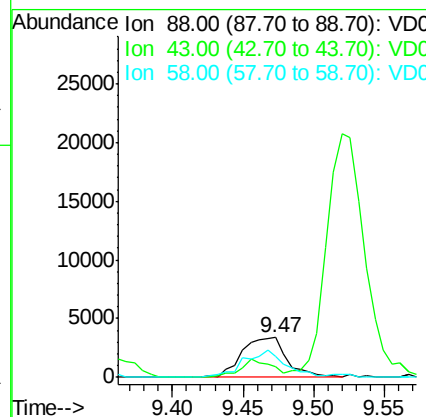
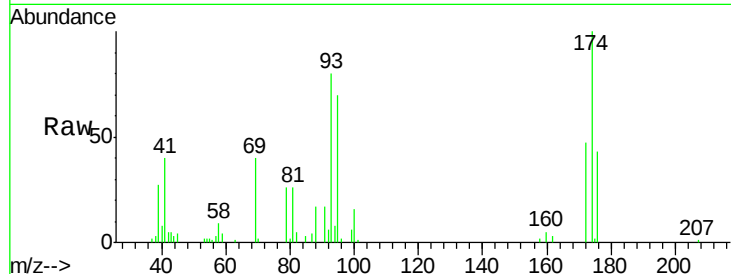
#49
1,4-Dioxane
Concen: 419.914 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.3	23.9	35.9
58	62.4	51.0	76.6

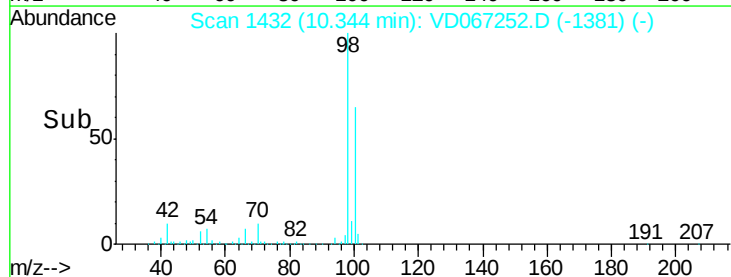
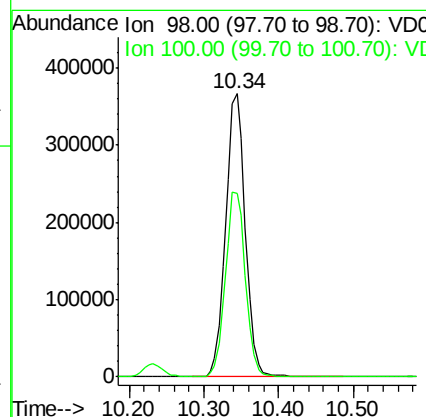
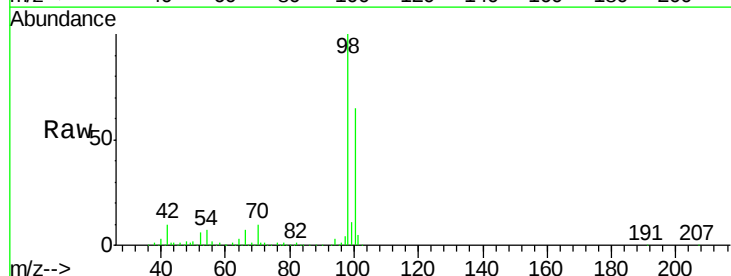
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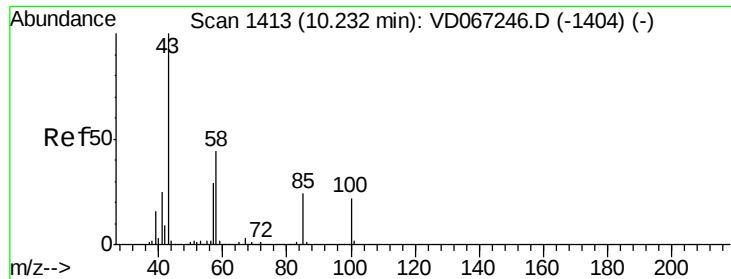
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#50
Toluene-d8
Concen: 51.710 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.1	79.7





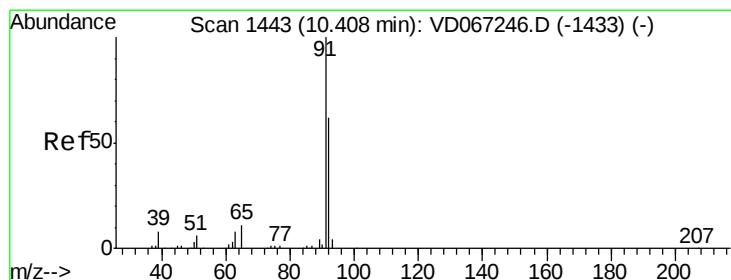
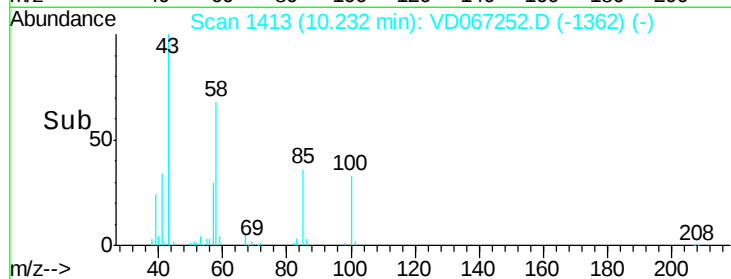
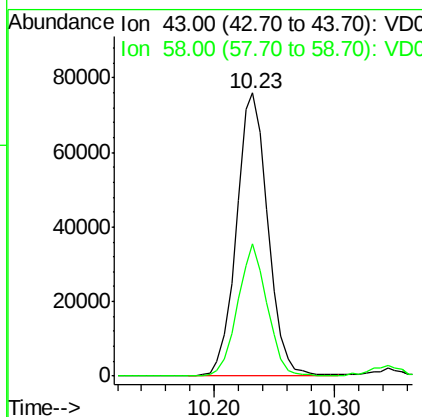
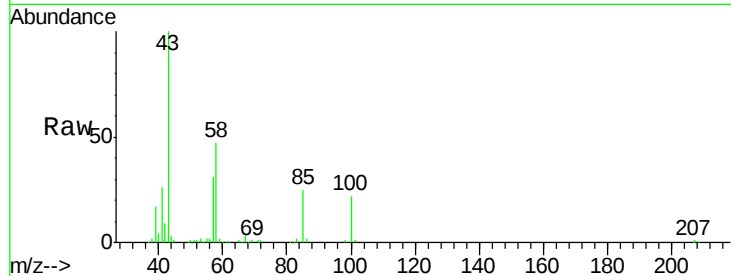
#51
4-Methyl-2-Pentanone
Concen: 103.539 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 43 Resp: 137956
Ion Ratio Lower Upper
43 100
58 43.7 35.7 53.5

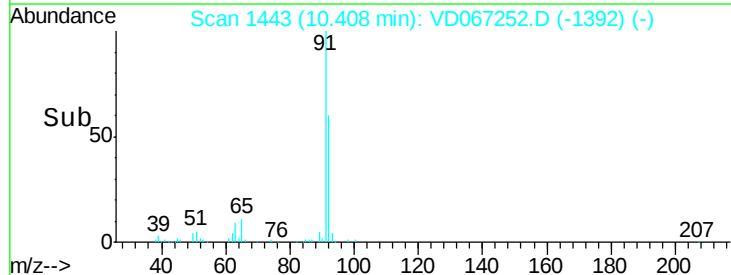
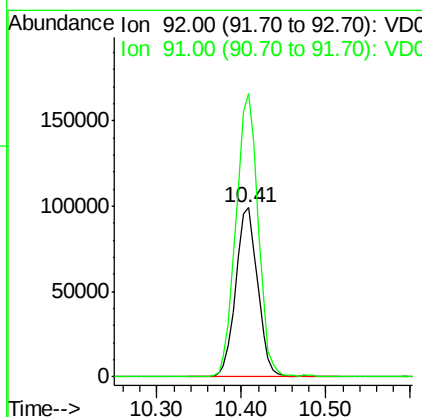
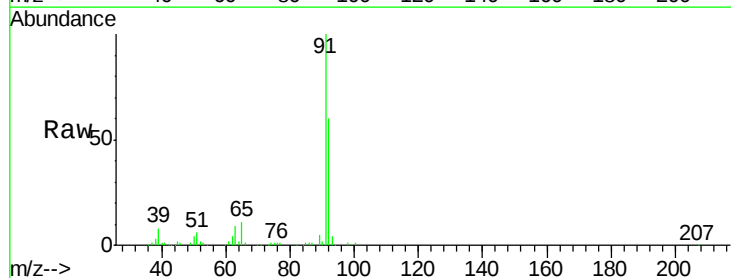
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#52
Toluene
Concen: 20.590 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion: 92 Resp: 176045
Ion Ratio Lower Upper
92 100
91 169.0 133.8 200.8





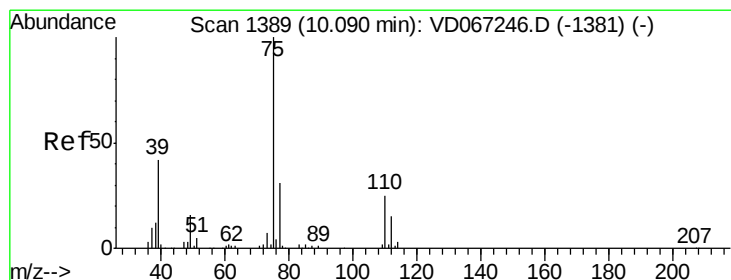
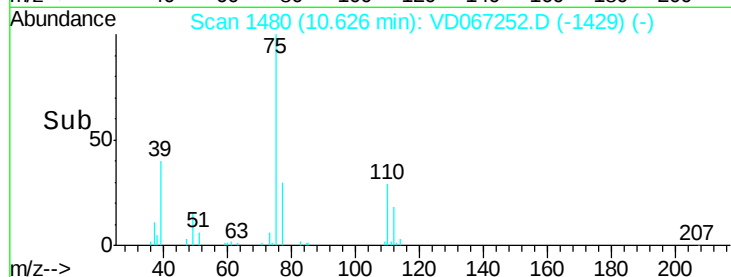
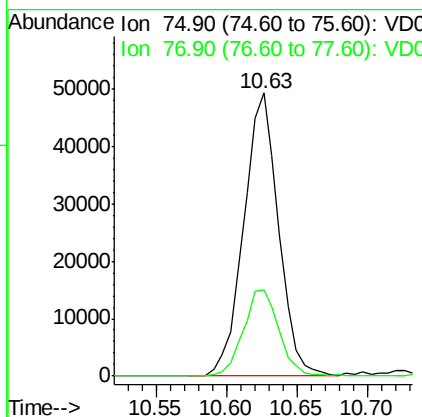
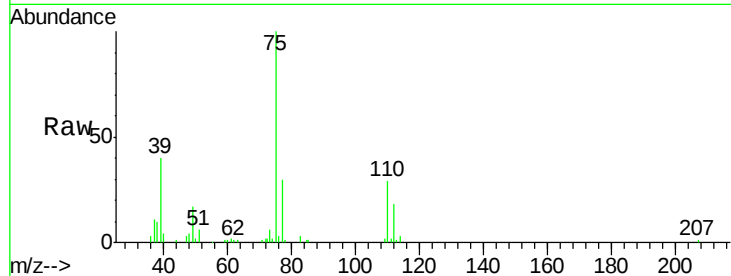
#53
t-1,3-Dichloropropene
Concen: 20.008 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.3	26.5	39.7

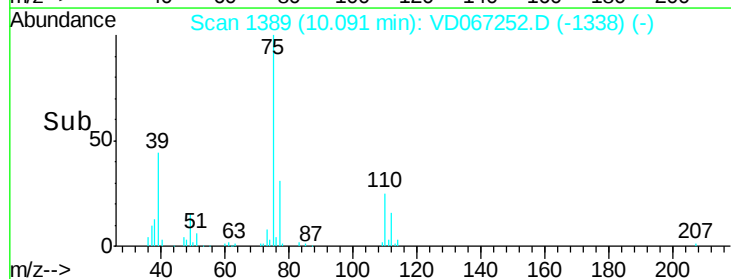
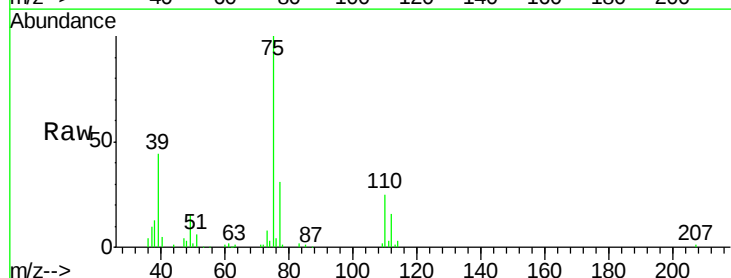
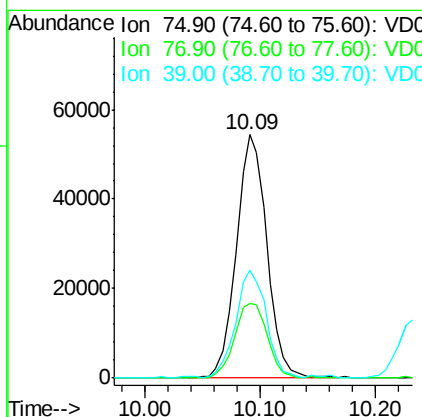
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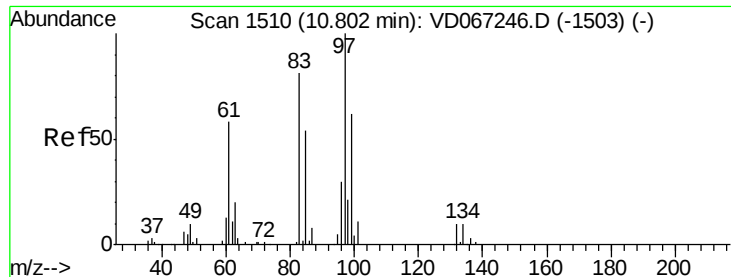
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#54
cis-1,3-Dichloropropene
Concen: 19.897 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7
39	44.1	33.7	50.5





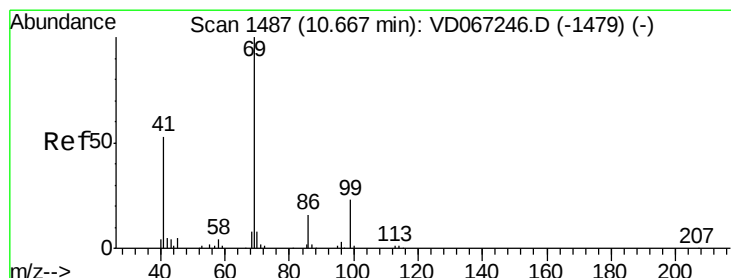
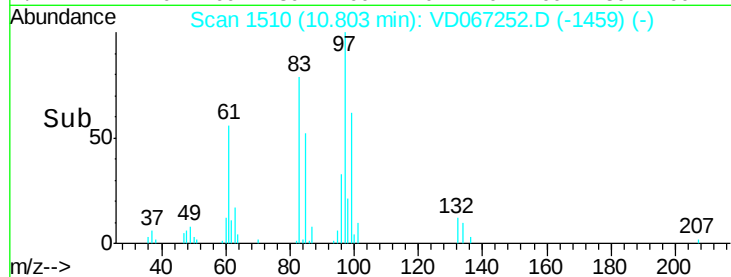
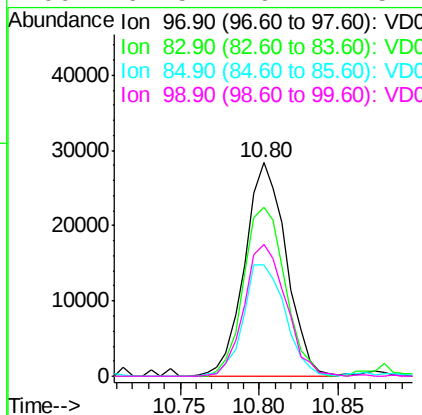
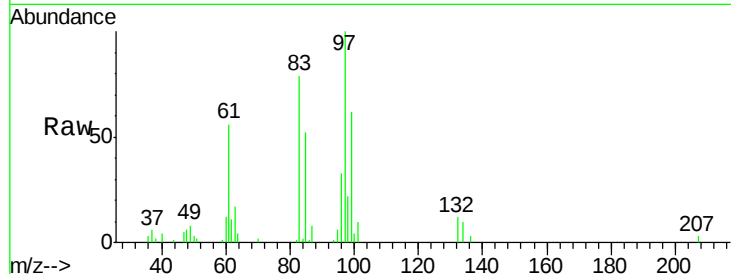
#55
 1,1,2-Trichloroethane
 Concen: 21.005 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBSD01

Tot Ion:	97	Resp:	51919
Ion	Ratio	Lower	Upper
97	100		
83	78.8	64.9	97.3
85	52.2	43.3	64.9
99	61.5	49.1	73.7

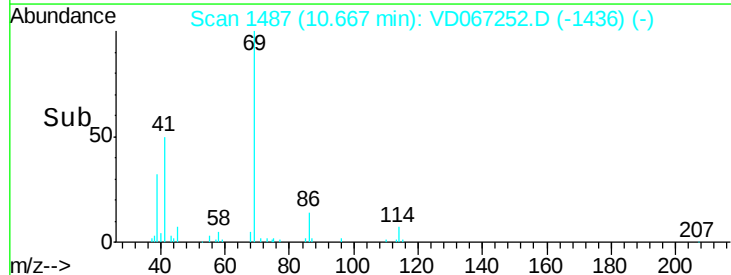
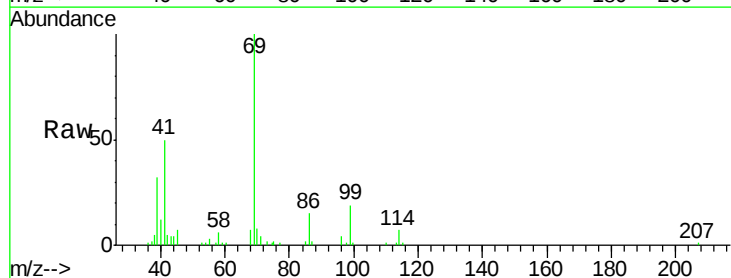
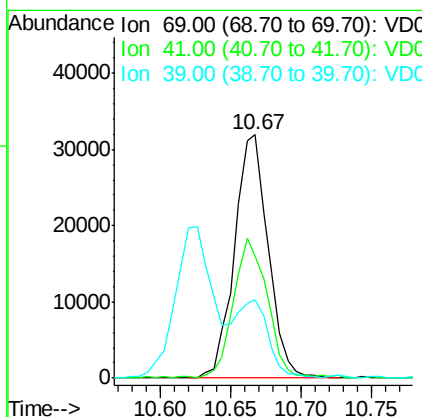
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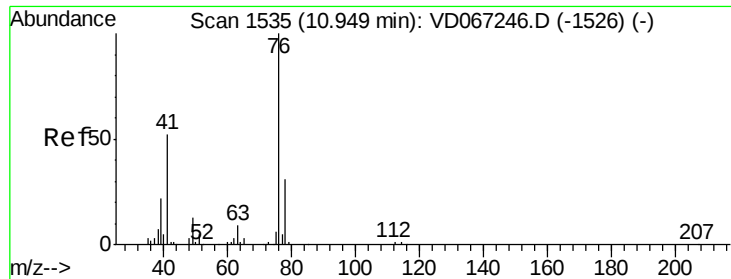
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#56
 Ethyl methacrylate
 Concen: 20.737 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion:	69	Resp:	53161
Ion	Ratio	Lower	Upper
69	100		
41	58.9	44.7	67.1
39	29.2	26.2	39.2





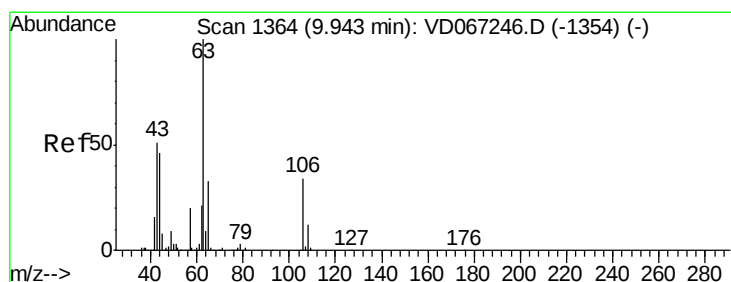
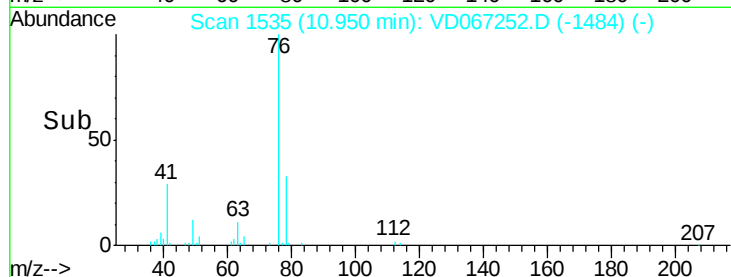
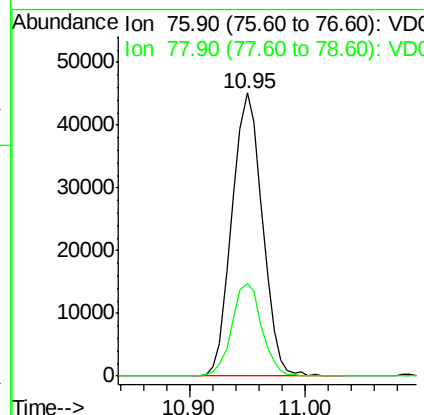
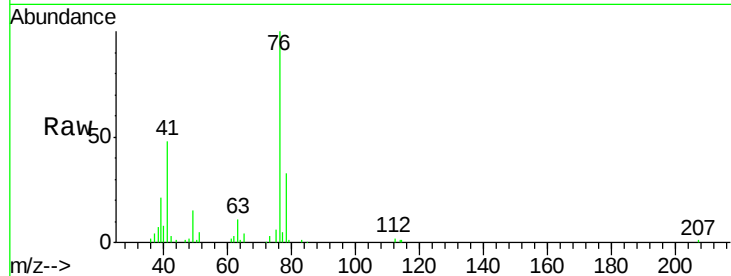
#57
 1,3-Dichloropropane
 Concen: 21.008 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.8	40.2

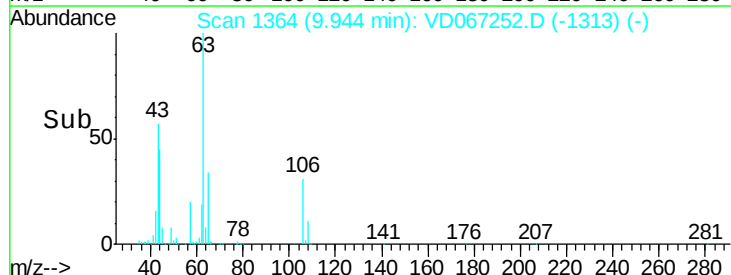
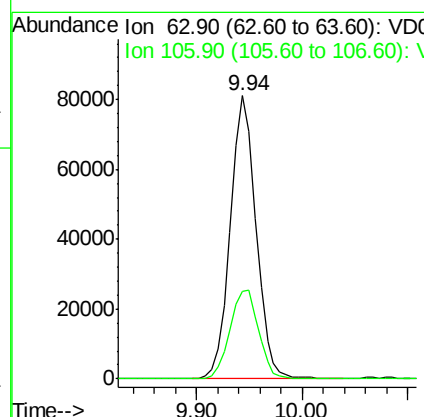
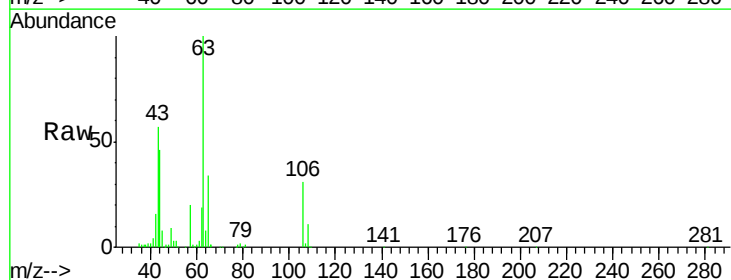
Manual Integrations
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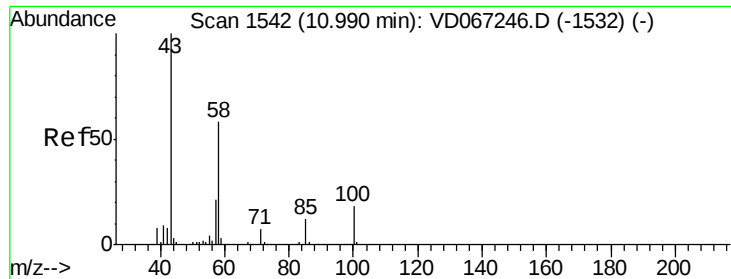
MMDadoda
 10/14/2020 2:10:22 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.914 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.8	27.8	41.6





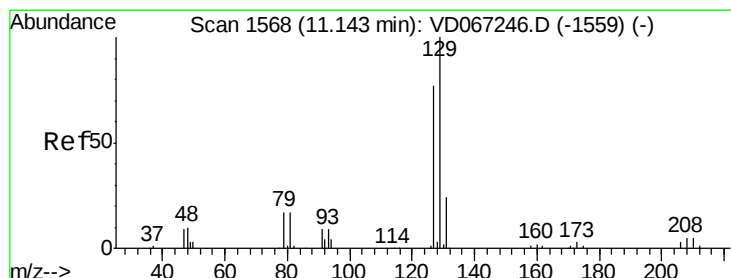
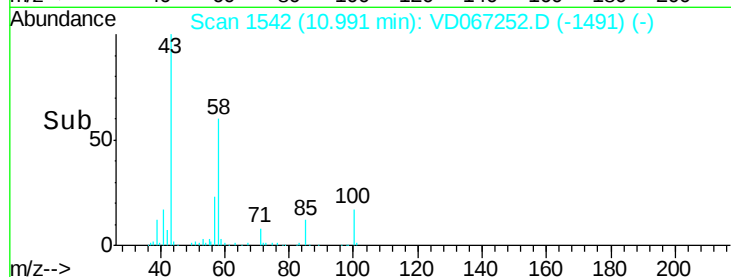
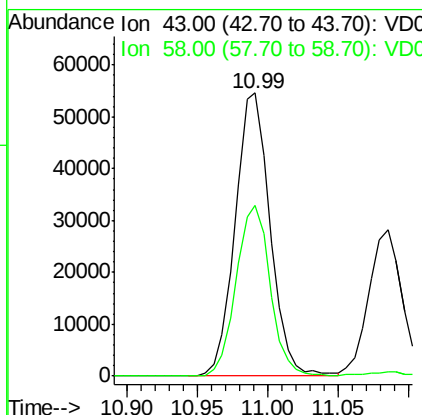
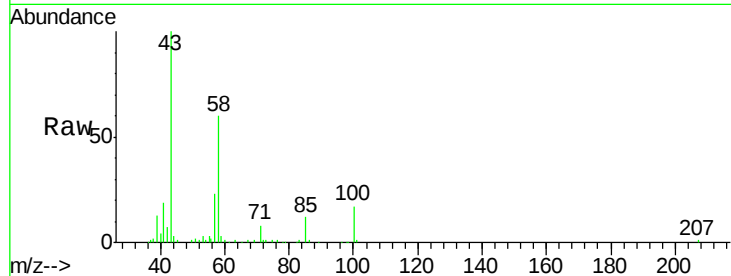
#59
2-Hexanone
Concen: 103.845 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion: 43 Resp: 94548
Ion Ratio Lower Upper
43 100
58 58.6 29.3 87.9

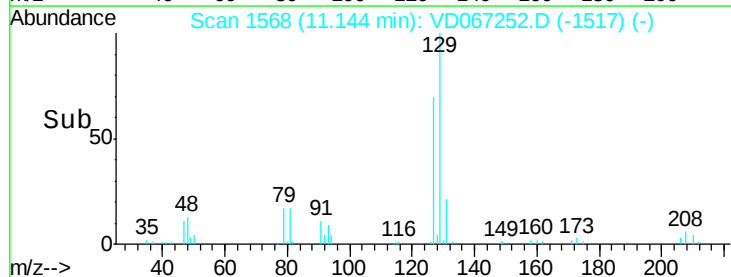
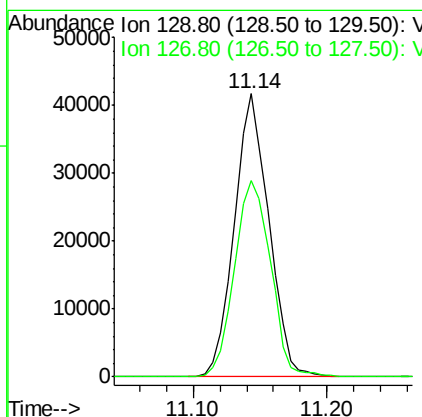
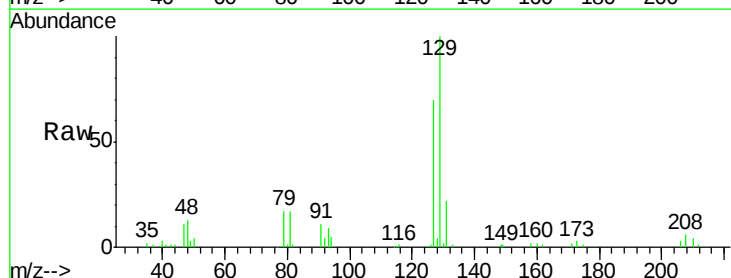
Manual Integrations
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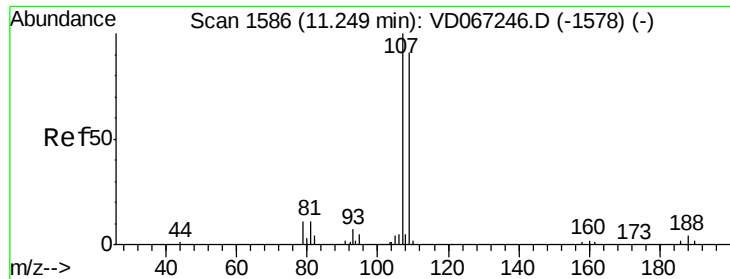
MMDadoda
10/14/2020 2:10:22 PM



#60
Dibromochloromethane
Concen: 20.720 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion: 129 Resp: 74692
Ion Ratio Lower Upper
129 100
127 72.8 38.3 114.8





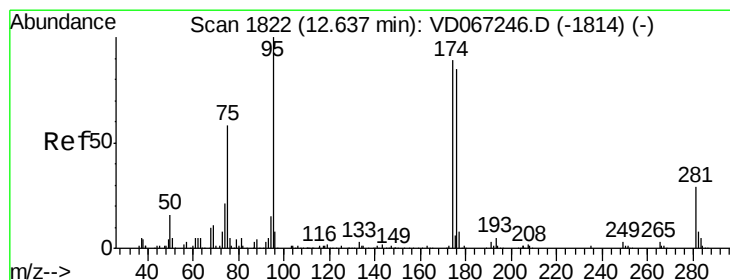
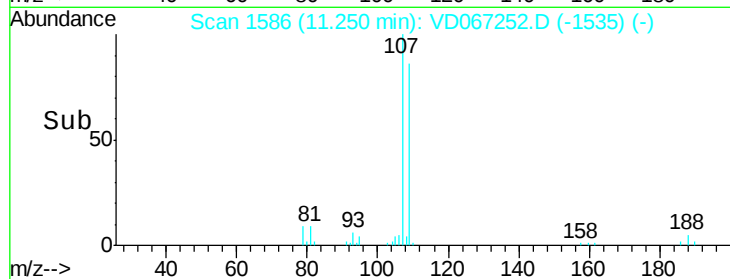
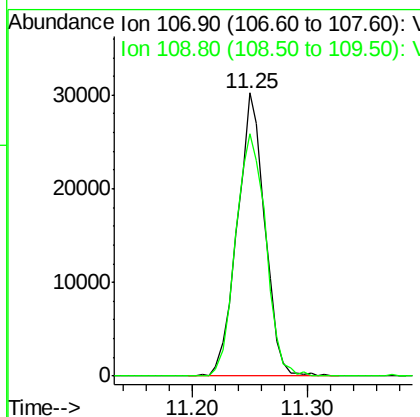
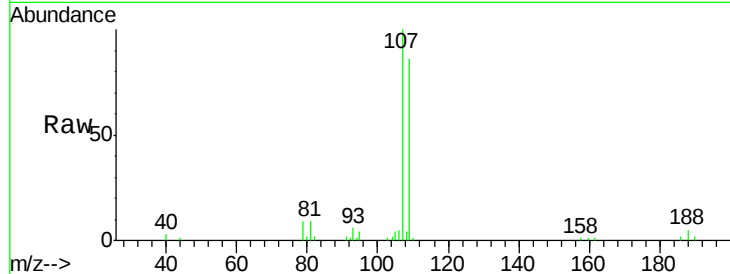
#61
 1,2-Dibromoethane
 Concen: 20.471 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	74.6	112.0

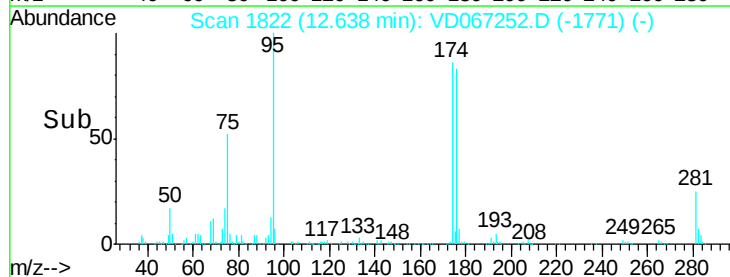
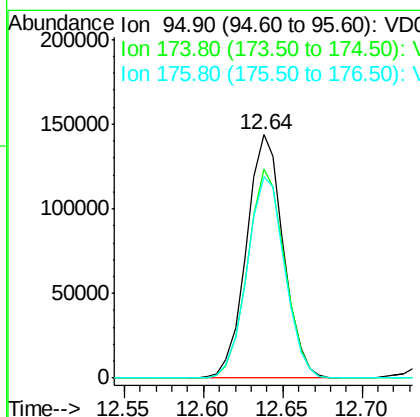
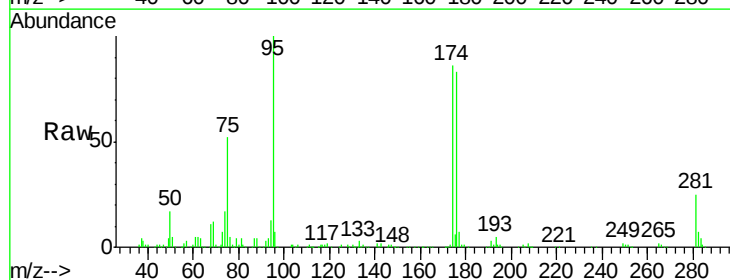
Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:22 PM



#62
 4-Bromofluorobenzene
 Concen: 51.533 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.4	0.0	175.2
176	84.2	0.0	168.6





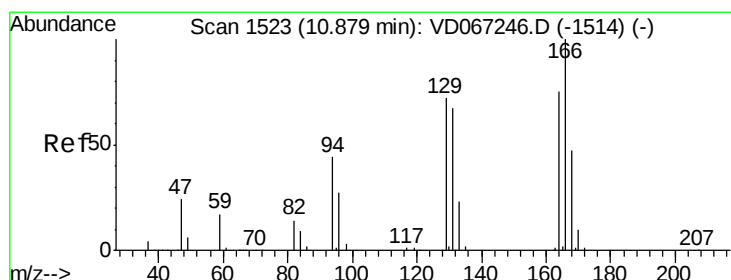
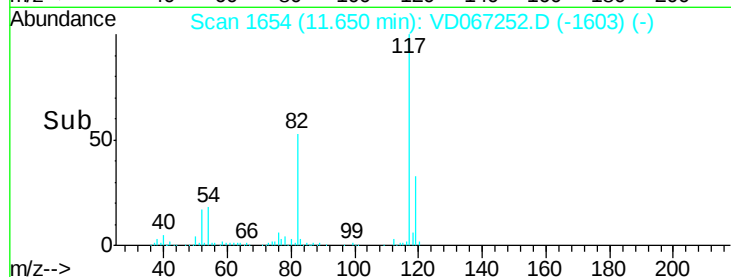
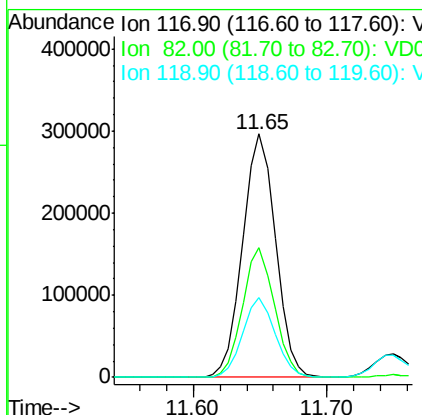
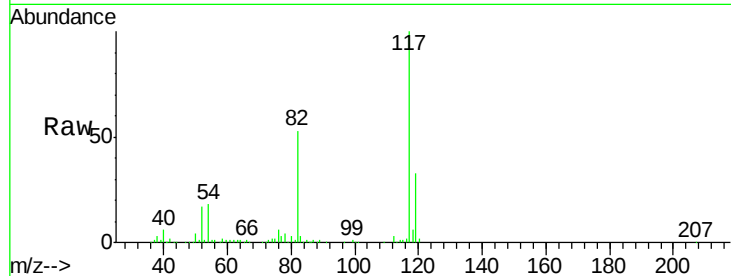
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	39.9	59.9
119	32.9	24.9	37.3

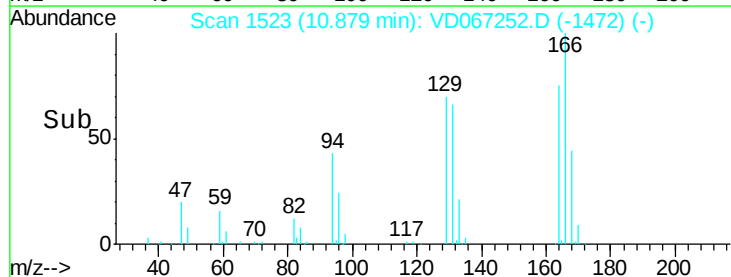
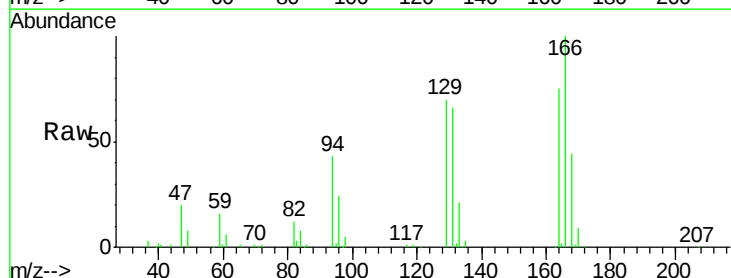
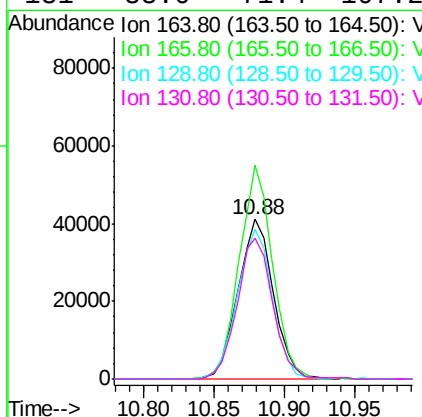
Manual Integrations
APPROVED

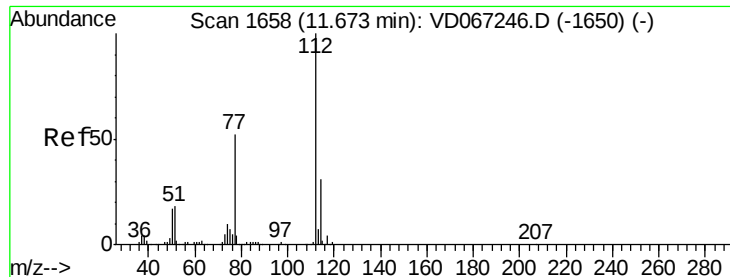
MMDadoda
10/14/2020 2:10:22 PM



#64
Tetrachloroethene
Concen: 19.644 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
164	100		
166	133.8	107.3	160.9
129	94.1	77.3	115.9
131	88.0	71.4	107.2





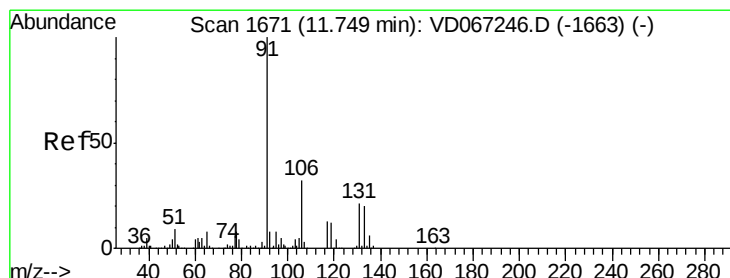
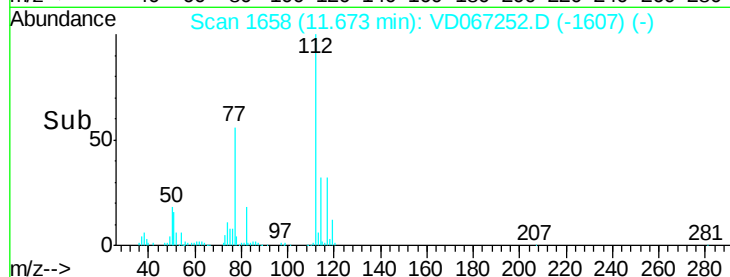
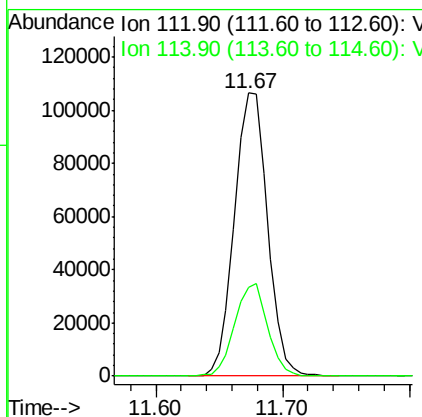
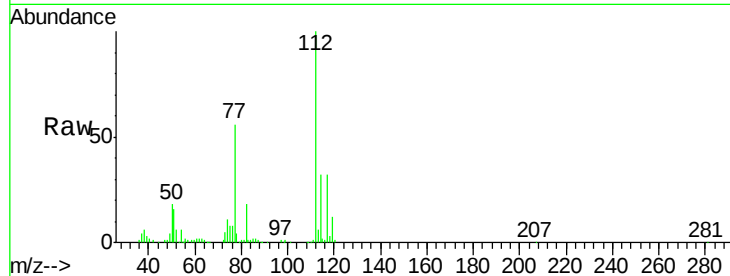
#65
Chlorobenzene
Concen: 19.864 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	25.0	37.4

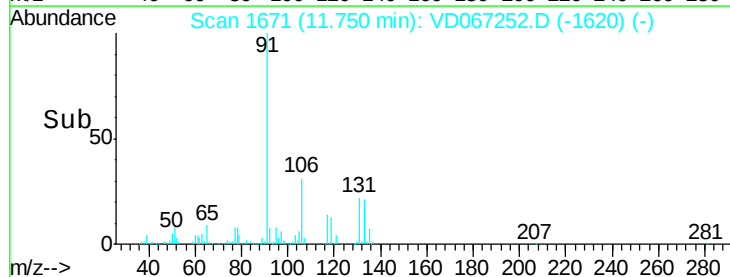
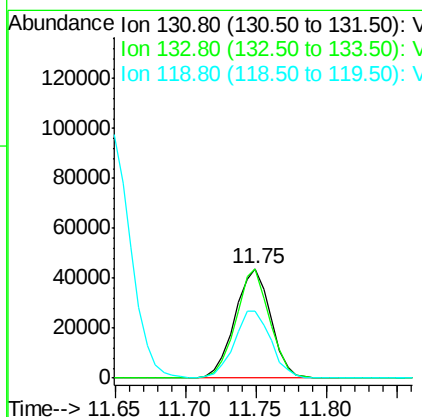
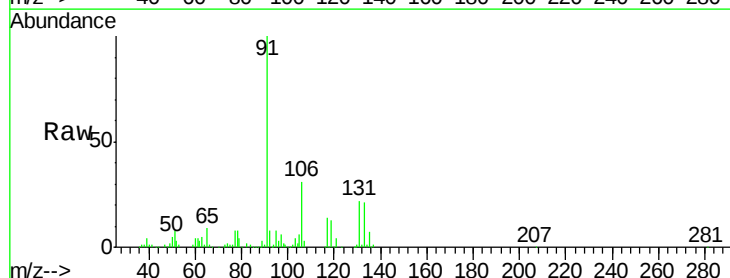
Manual Integrations
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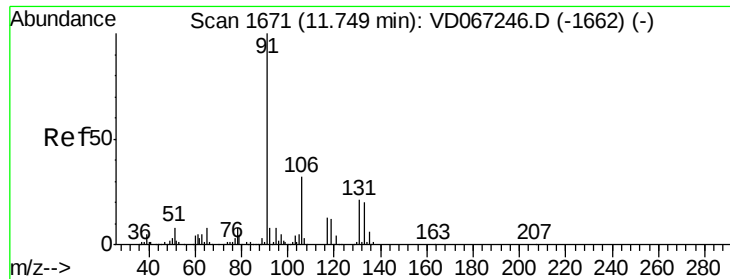
MMDadoda
10/14/2020 2:10:22 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.154 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	48.1	144.3
119	62.7	30.0	90.0





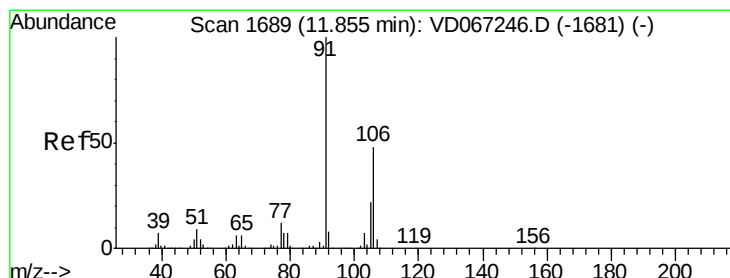
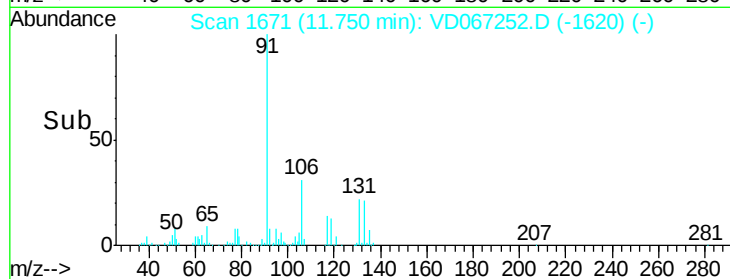
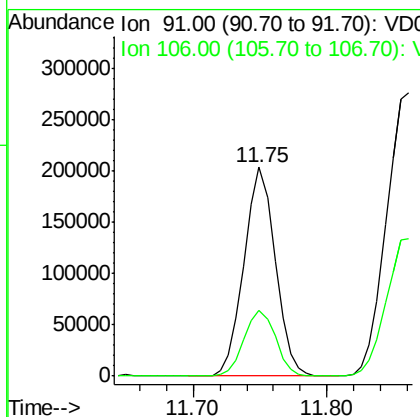
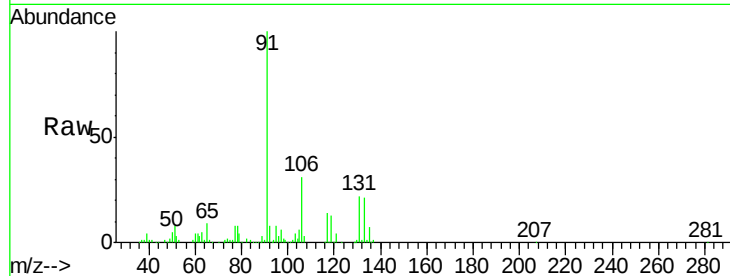
#67
Ethyl Benzene
Concen: 19.850 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 91 Resp: 330895
Ion Ratio Lower Upper
91 100
106 31.4 25.4 38.0

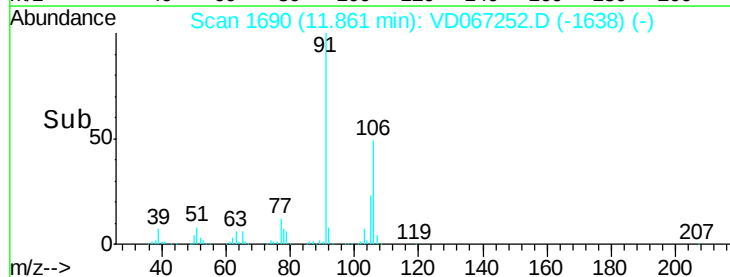
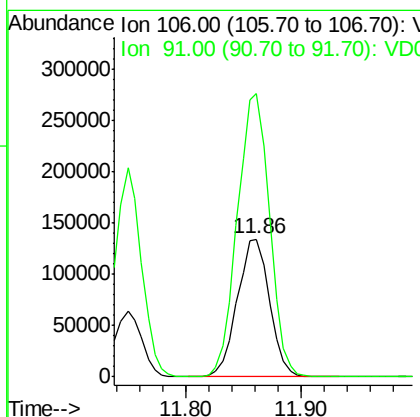
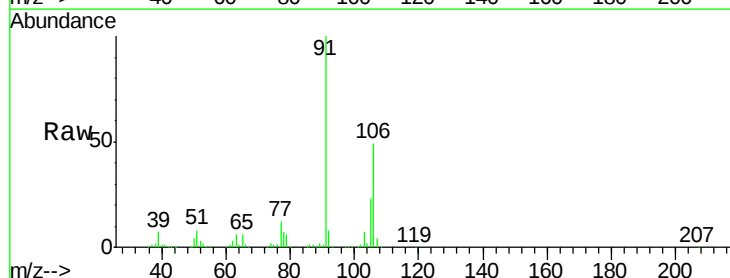
Manual Integrations
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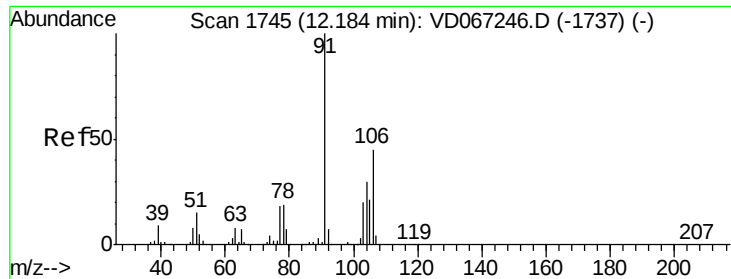
MMDadoda
10/14/2020 2:10:22 PM



#68
m/p-Xylenes
Concen: 40.601 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion: 106 Resp: 260624
Ion Ratio Lower Upper
106 100
91 205.0 163.8 245.8





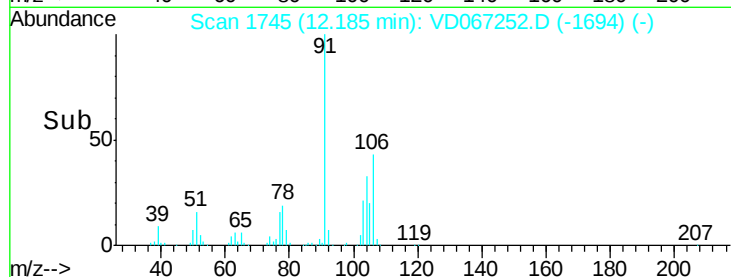
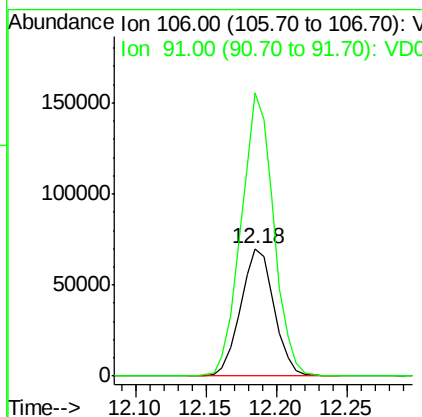
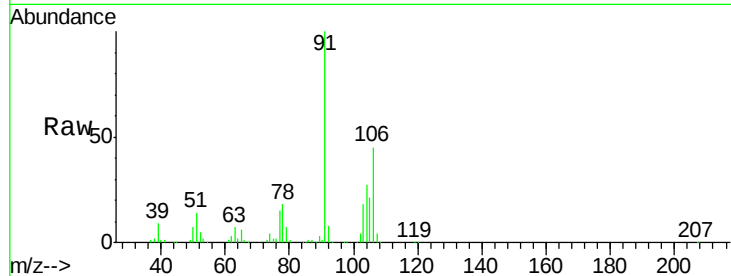
#69
o-Xylene
Concen: 19.508 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		115962		
91	216.3	109.1	327.3		

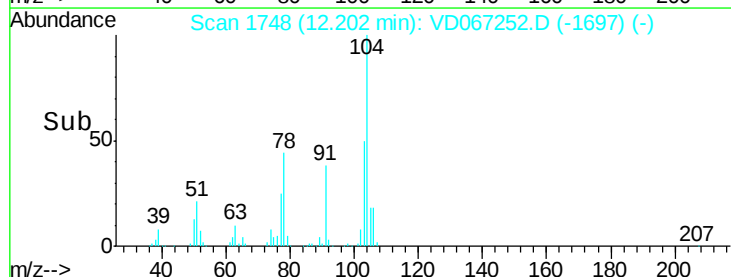
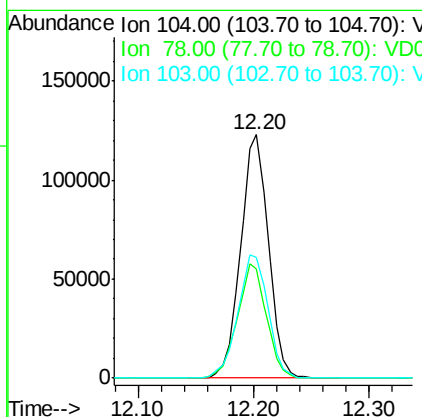
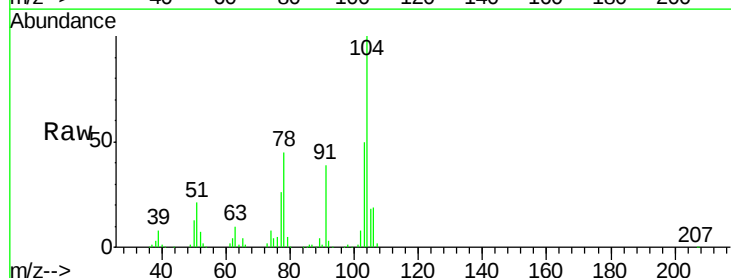
Manual Integrations
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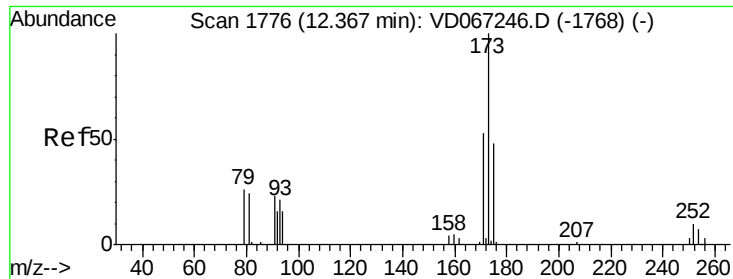
MMDadoda
10/14/2020 2:10:22 PM



#70
Styrene
Concen: 20.018 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		204832		
78	49.2	39.8	59.6		
103	55.1	42.6	64.0		





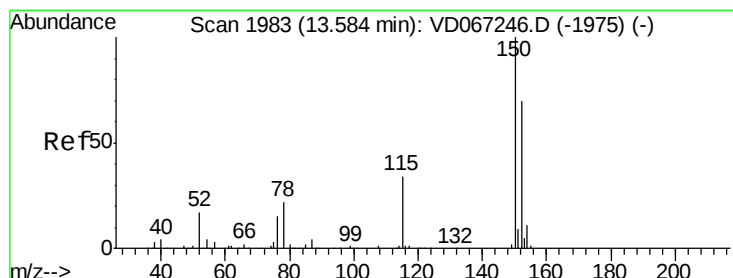
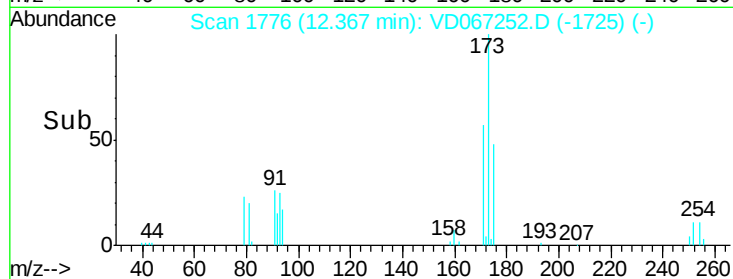
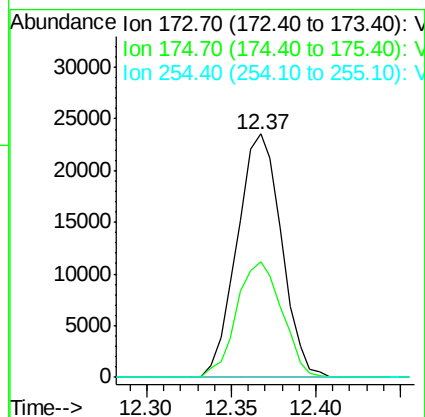
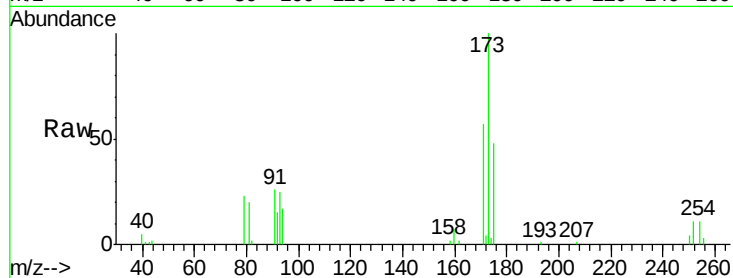
#71
Bromoform
Concen: 20.696 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.2	72.6
254	0.0	0.1	0.1#

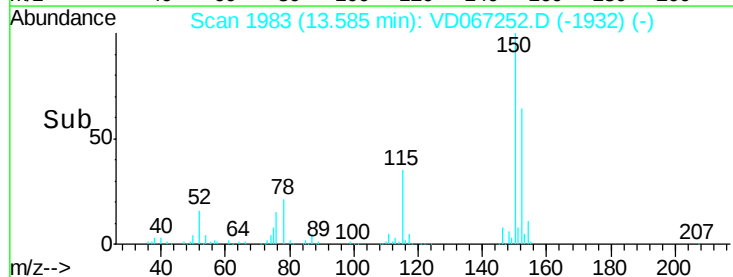
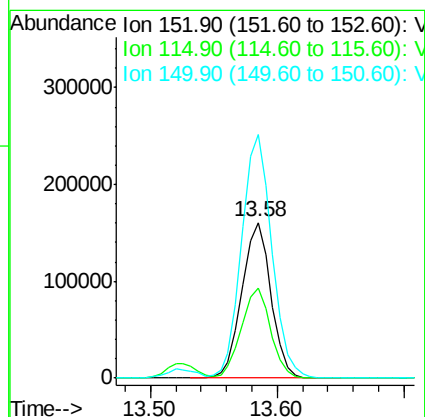
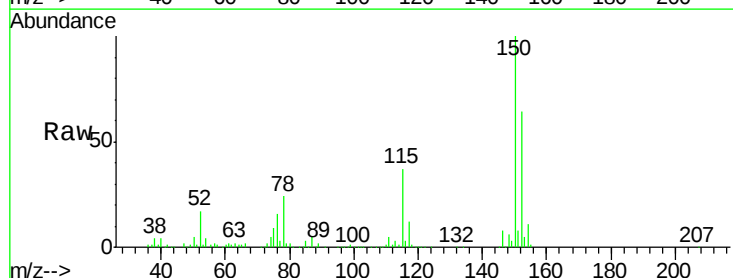
Manual Integrations
APPROVED

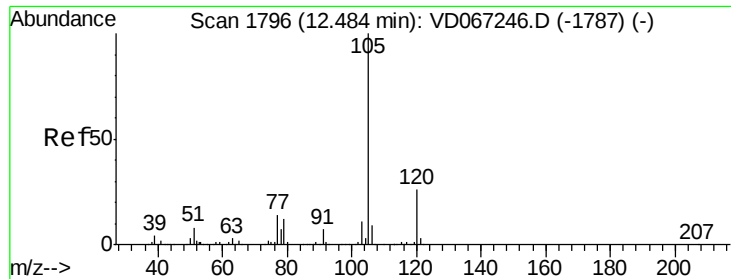
MMDadoda
10/14/2020 2:10:22 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.3	87.9
150	163.4	0.0	339.0





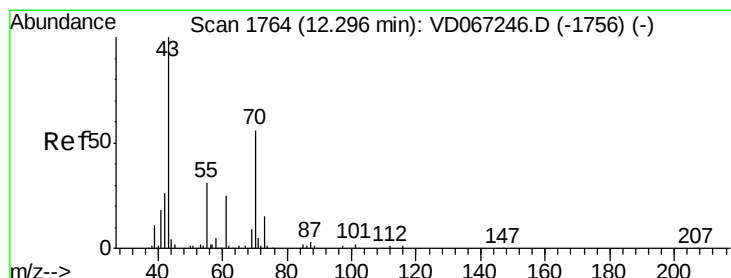
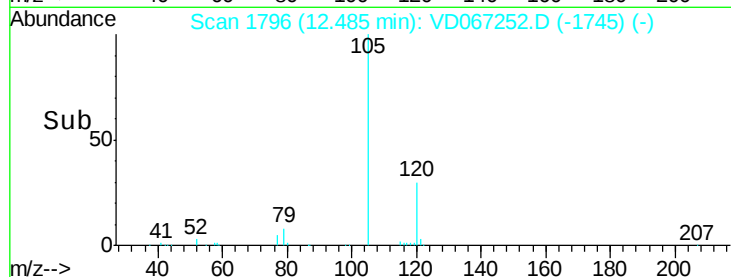
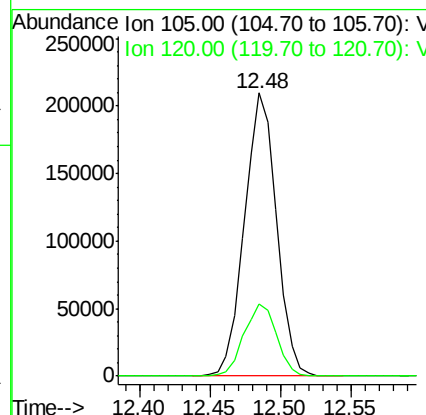
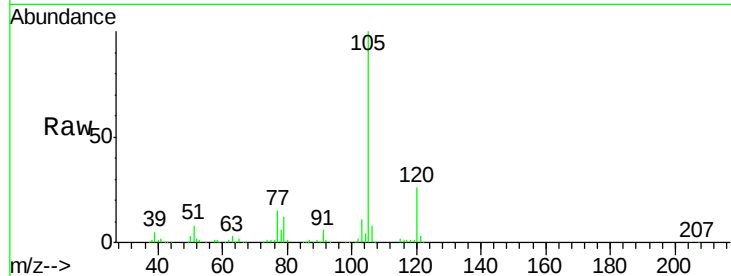
#73
Isopropylbenzene
Concen: 20.566 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8

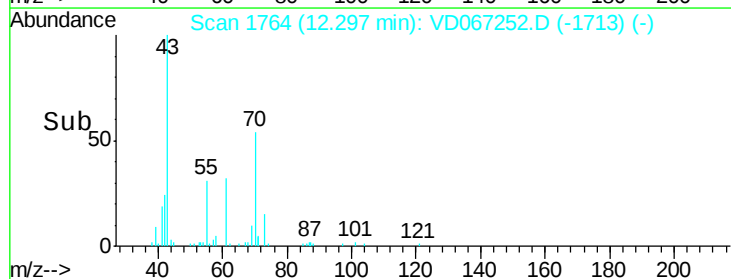
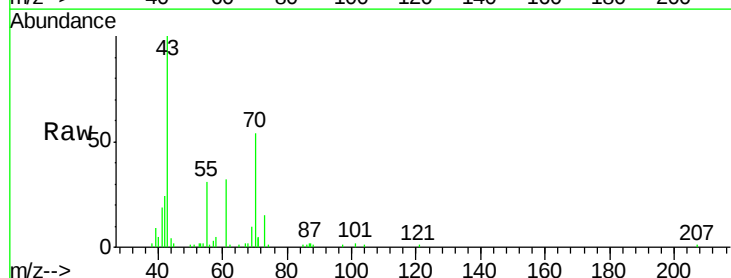
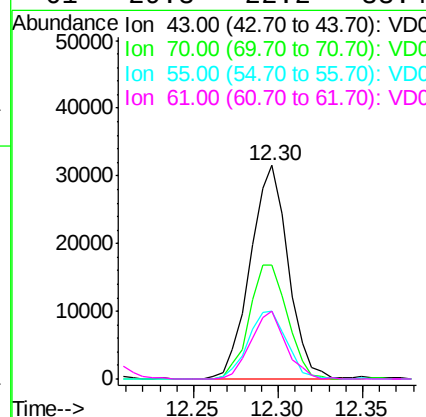
Manual Integrations
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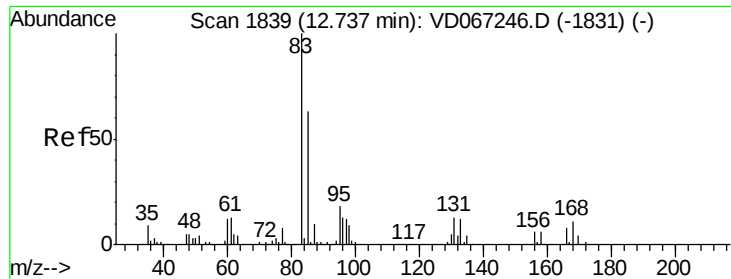
MMDadoda
10/14/2020 2:10:22 PM



#74
N-ethyl acetate
Concen: 20.159 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
43	100		
70	54.0	42.7	64.1
55	32.5	24.0	36.0
61	29.3	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.759 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

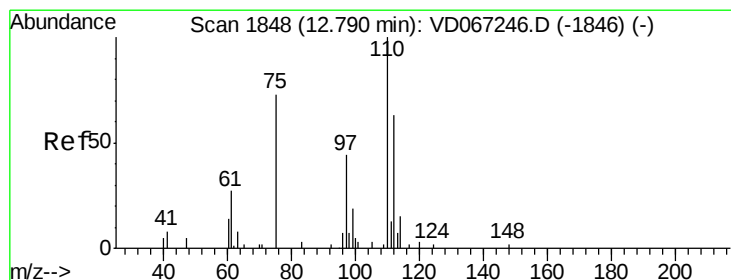
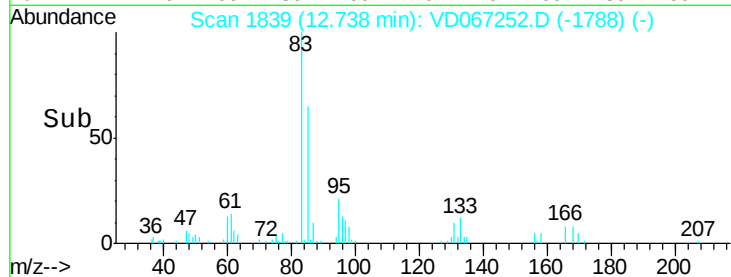
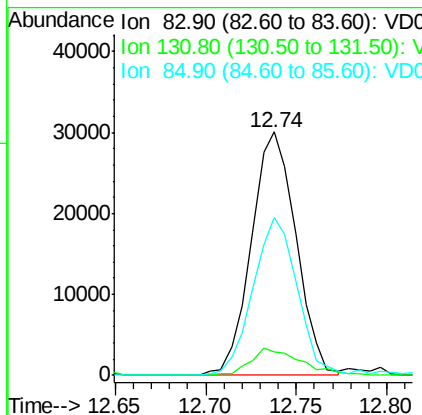
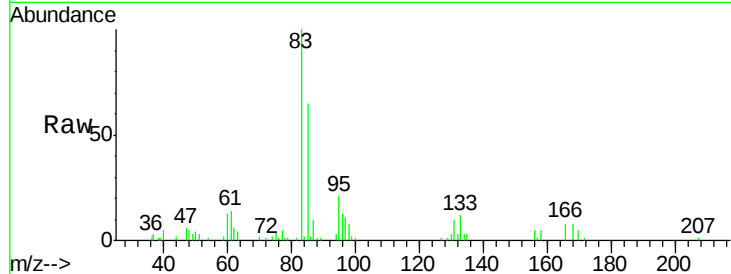
ClientSampleId :

VD1013SBS01

Tot Ion:	83	Resp:	51528
Ion Ratio	Lower	Upper	
83	100		
131	12.5	6.5	19.5
85	64.2	32.6	97.7

Manual Integrations
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10/14/2020 2:10:22 PM



#76

1,2,3-Trichloropropane

Concen: 18.302 ug/l m

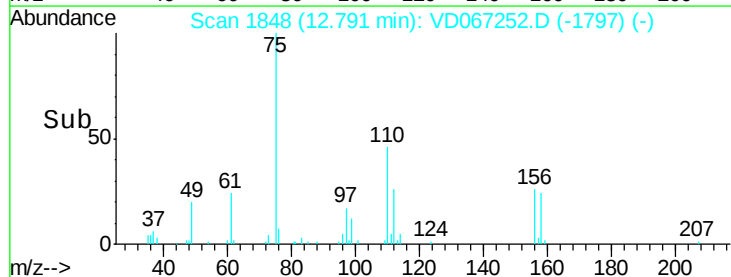
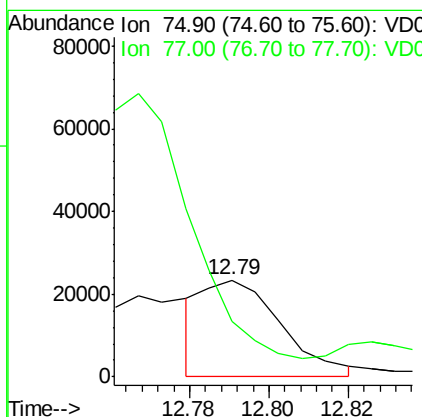
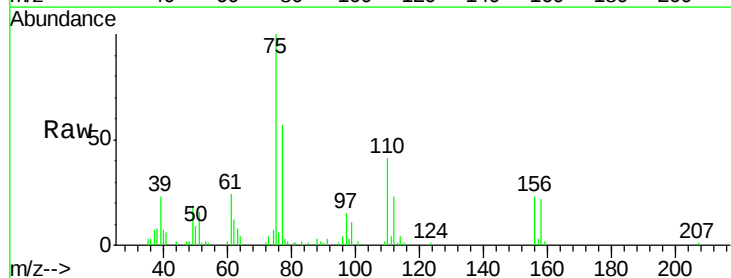
RT: 12.79 min Scan# 1848

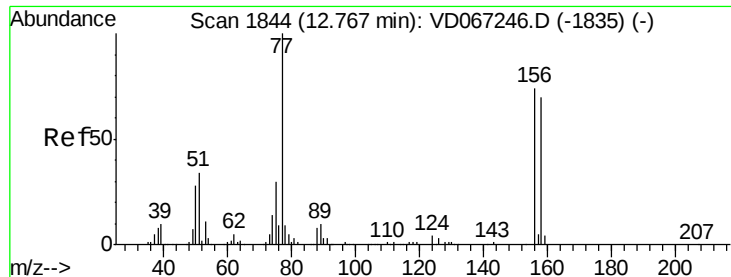
Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	75	Resp:	32379
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.478 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBSD01

Tot Ion:156 Resp: 82706

Ion Ratio Lower Upper

156 100

77 159.1 78.0 233.8

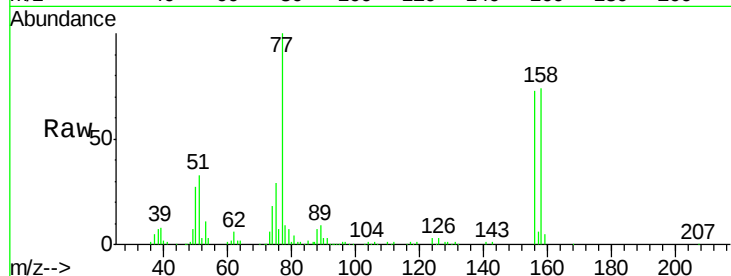
158 97.2 49.1 147.3

Manual Integrations

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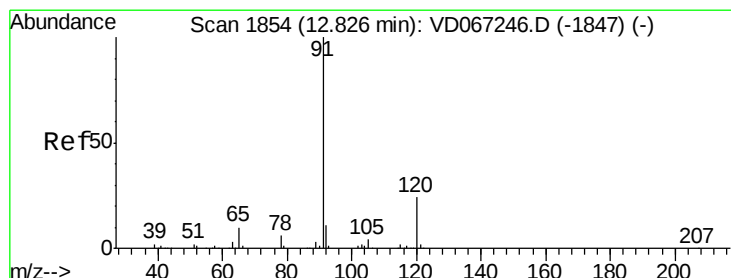
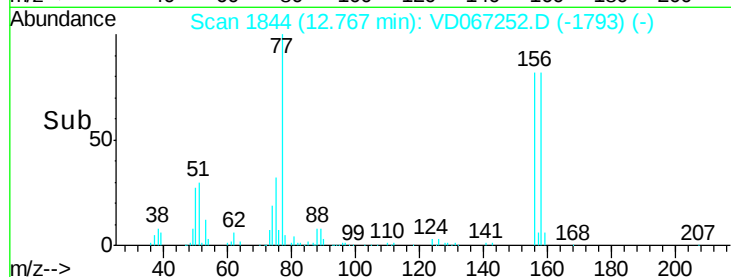
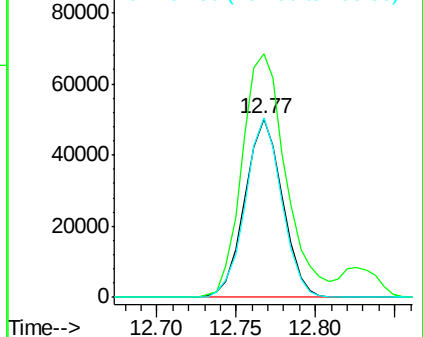
10/14/2020 2:10:22 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.425 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067252.D

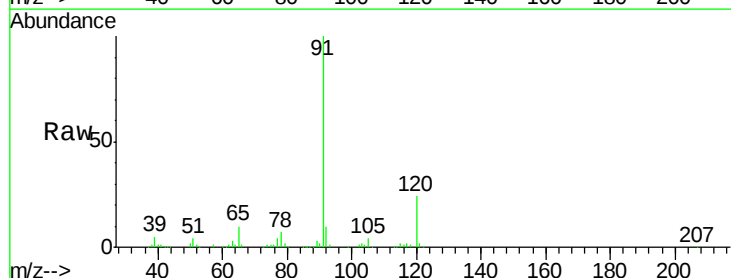
Acq: 13 Oct 2020 15:14

Tgt Ion: 91 Resp: 383381

Ion Ratio Lower Upper

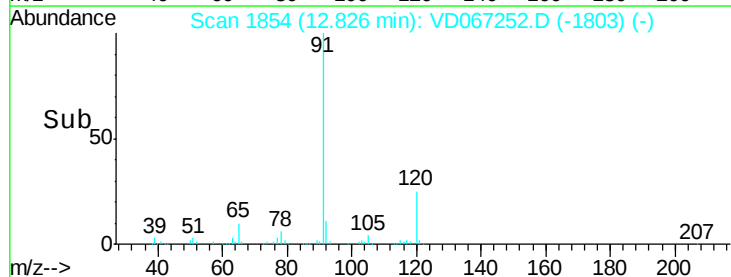
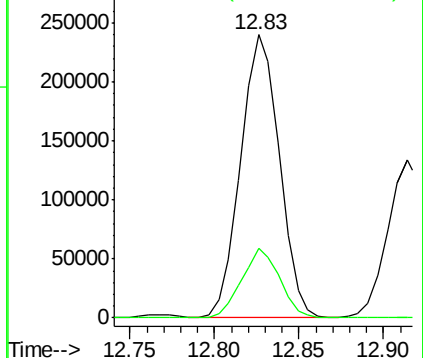
91 100

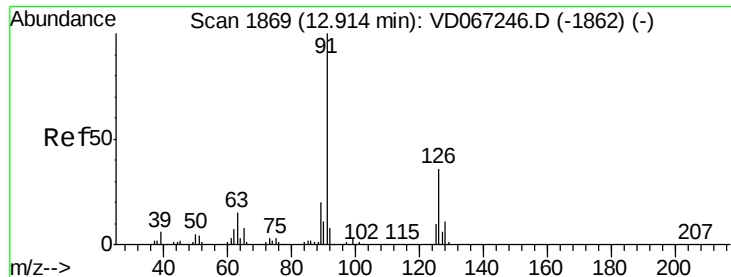
120 24.1 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.101 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS001

Tot Ion: 91 Resp: 218802

Ion Ratio Lower Upper

91 100

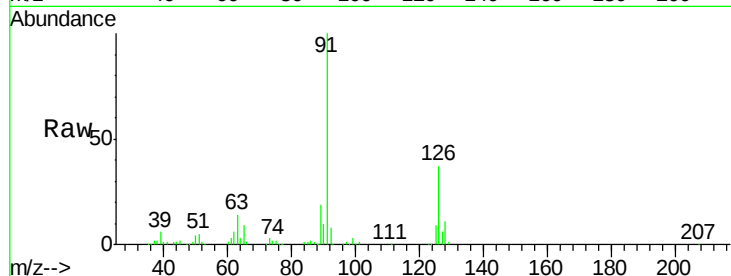
126 36.1 17.6 52.8

Manual Integrations

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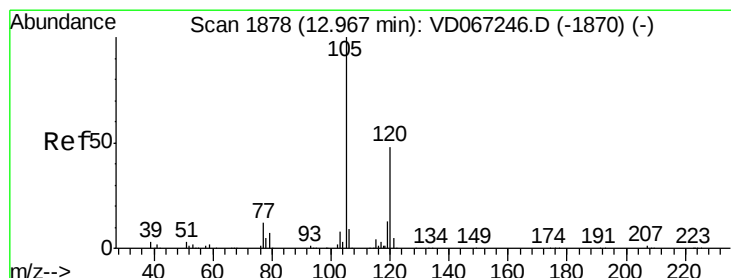
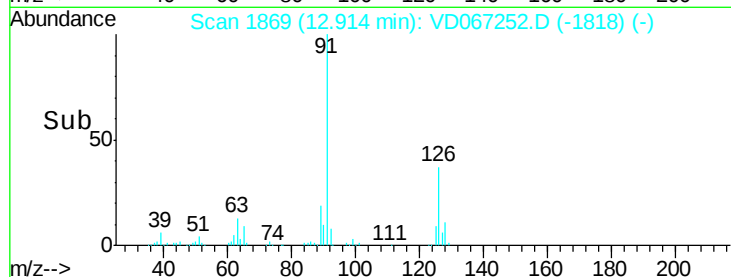
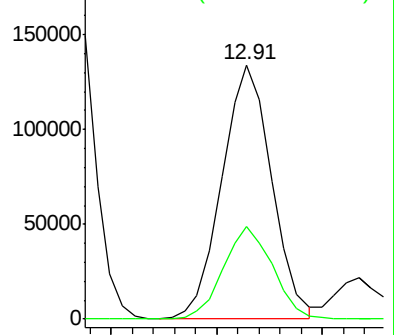
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Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.461 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067252.D

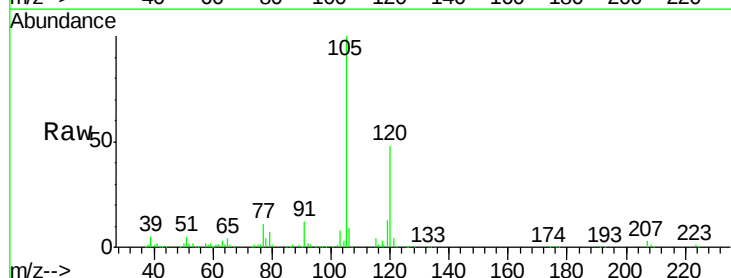
Acq: 13 Oct 2020 15:14

Tgt Ion: 105 Resp: 288044

Ion Ratio Lower Upper

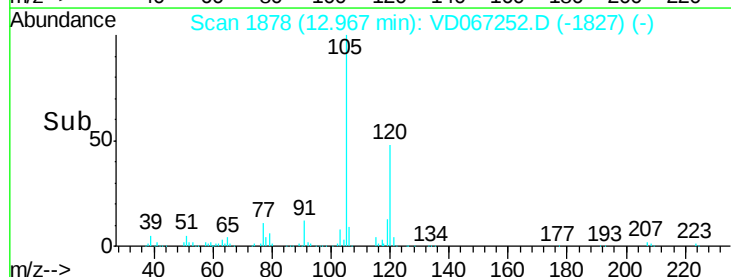
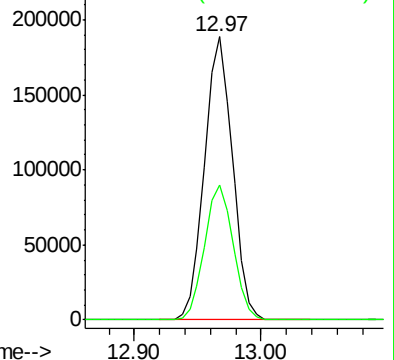
105 100

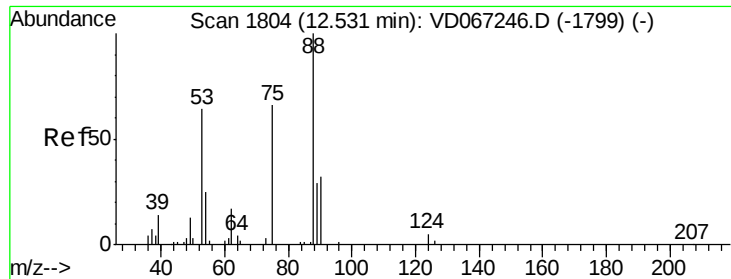
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067246.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.059 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

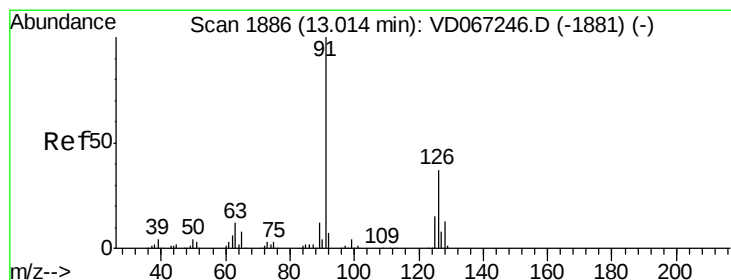
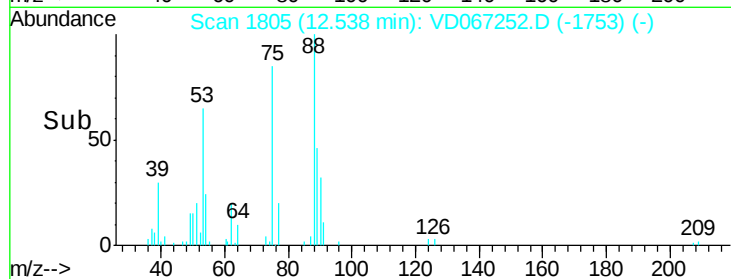
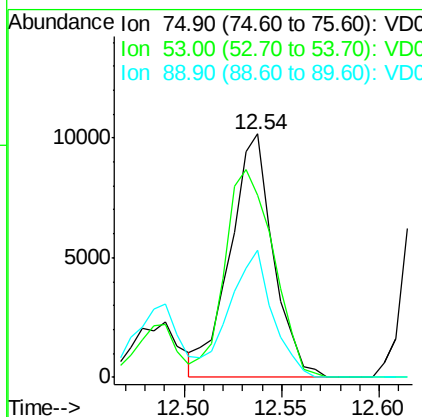
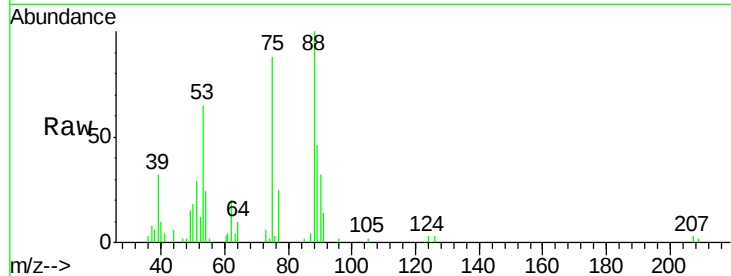
ClientSampleId :

VD1013SBS01

Tot Ion:	75	Resp:	15649
Ion Ratio	Lower	Upper	
75	100		
53	96.7	78.5	117.7
89	51.1	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.728 ug/l

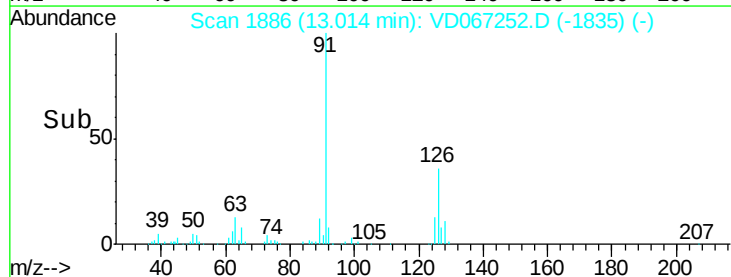
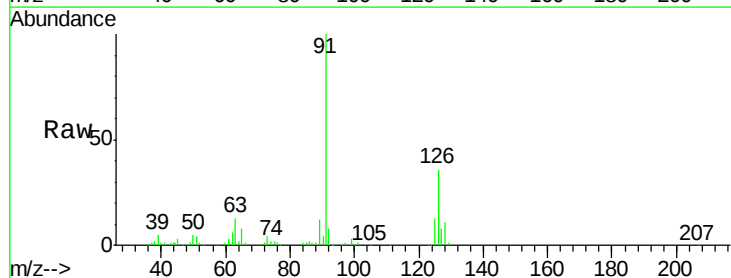
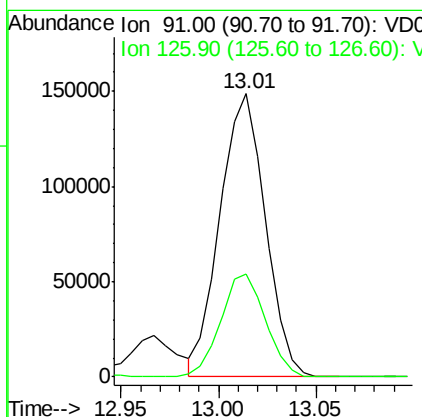
RT: 13.01 min Scan# 1886

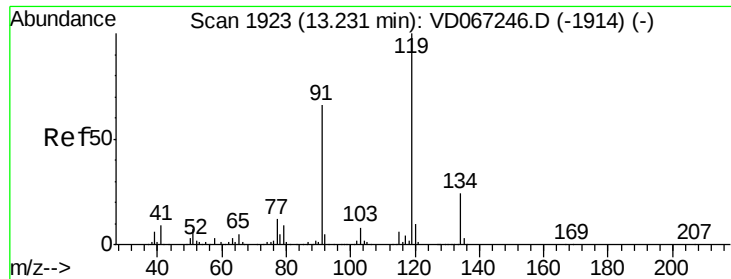
Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	91	Resp:	239465
Ion Ratio	Lower	Upper	
91	100		
126	35.8	17.8	53.5





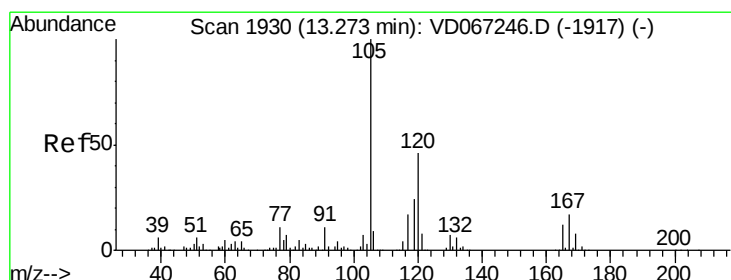
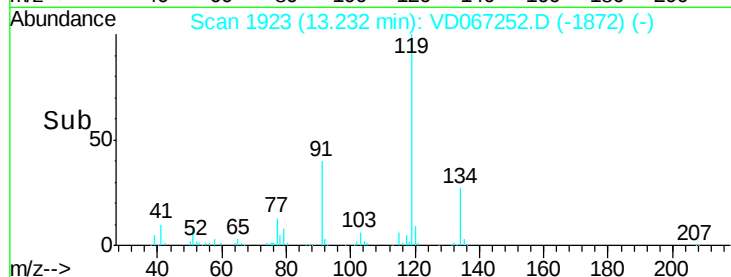
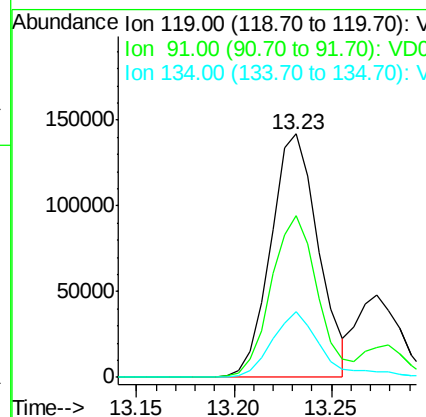
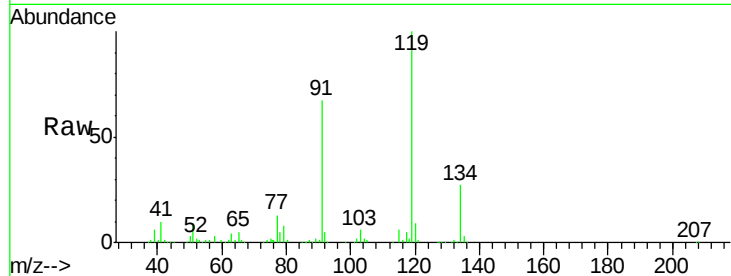
#83
tert-Butylbenzene
Concen: 20.131 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	33.1	99.2
134	28.1	13.3	39.9

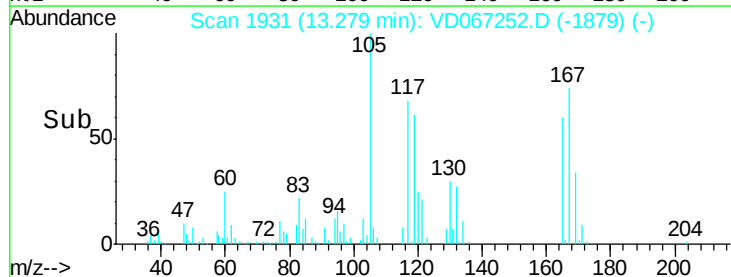
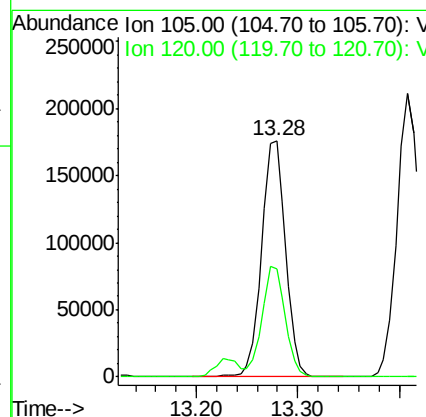
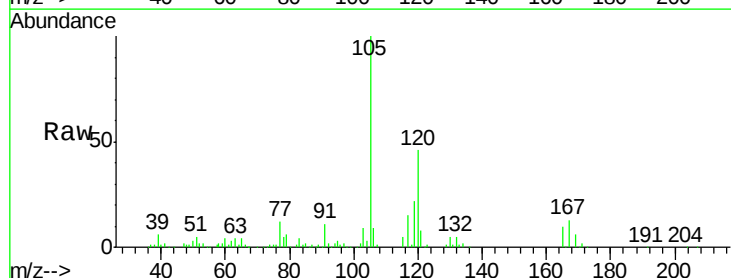
Manual Integrations
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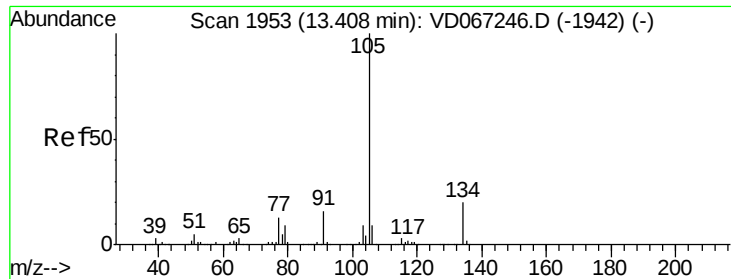
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.785 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.4	67.3





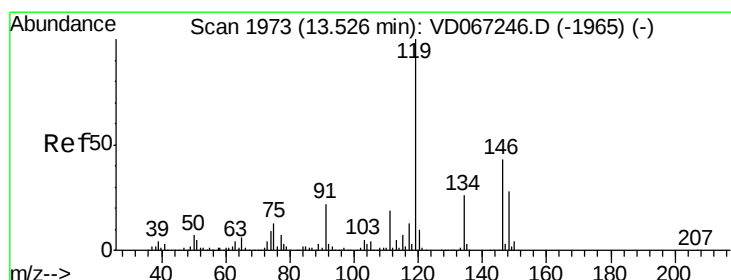
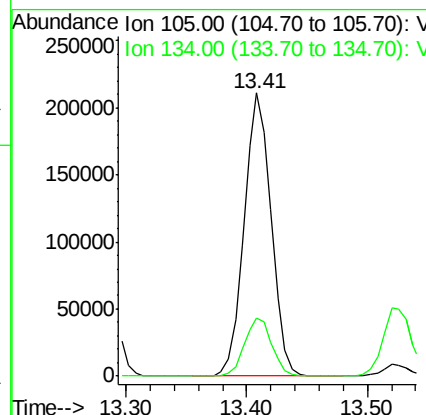
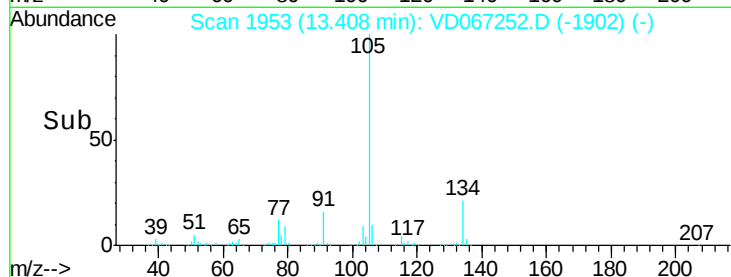
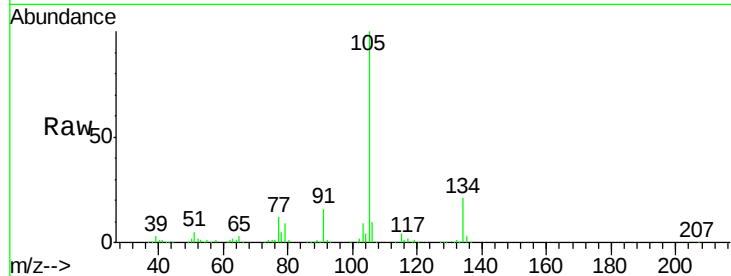
#85
 sec-Butylbenzene
 Concen: 20.101 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

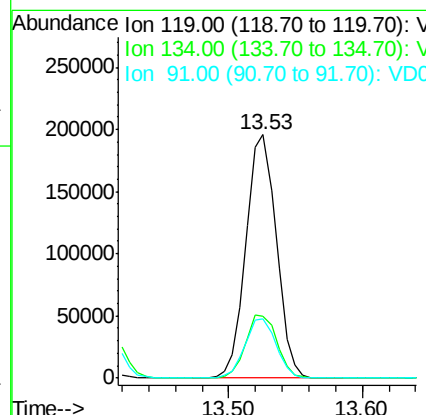
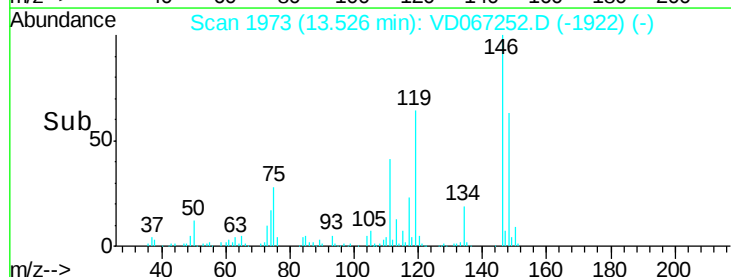
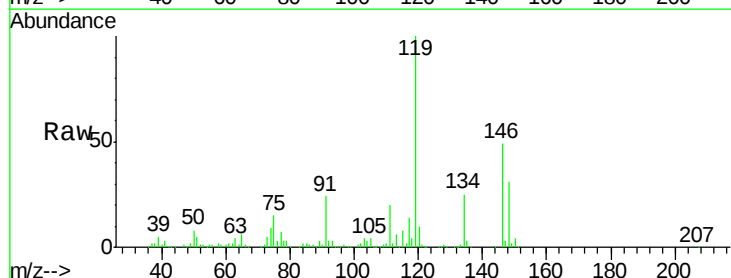
Manual Integrations
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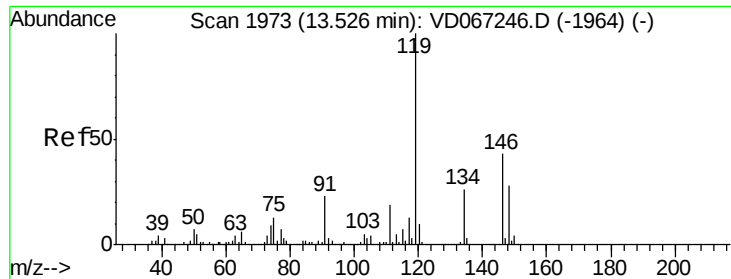
MMDadoda
 10/14/2020 2:10:22 PM



#86
 p-Isopropyltoluene
 Concen: 19.866 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.1	39.3
91	25.2	11.9	35.9





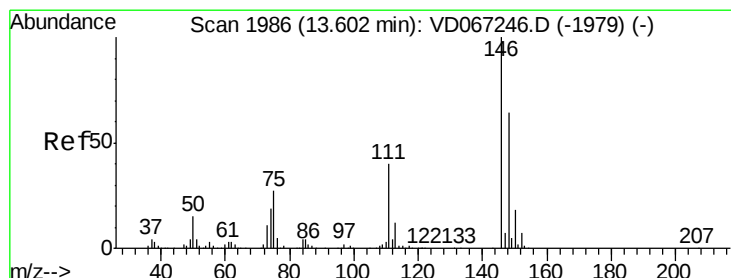
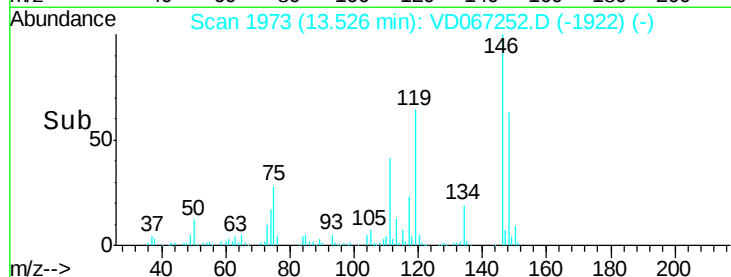
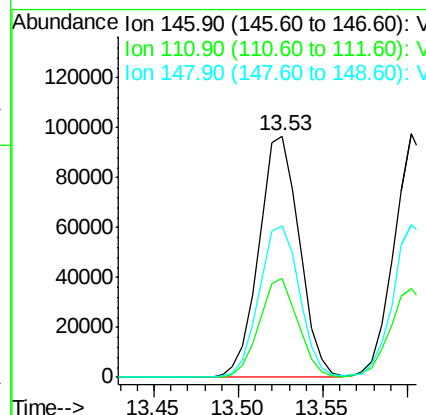
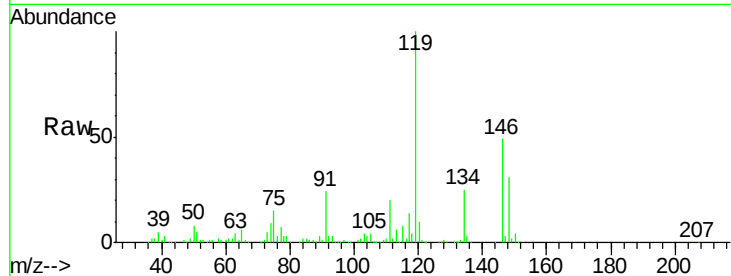
#87
 1,3-Dichlorobenzene
 Concen: 20.797 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.3
148	62.5	31.9	95.9

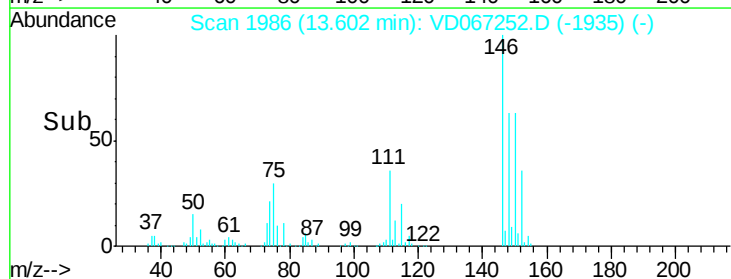
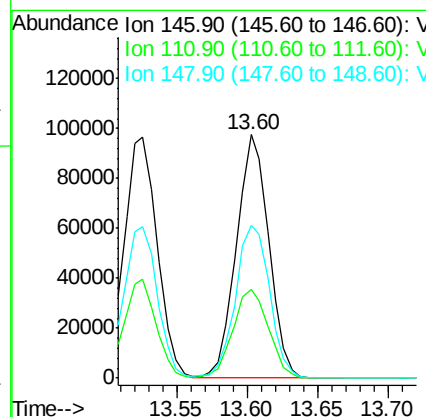
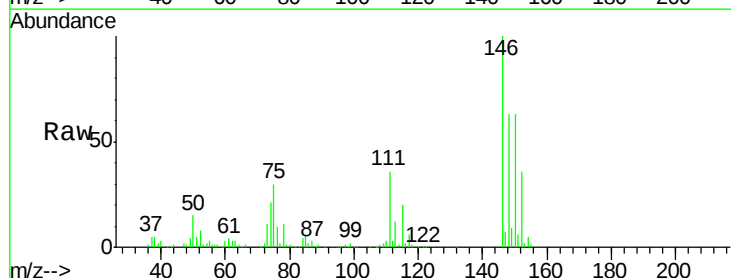
Manual Integrations
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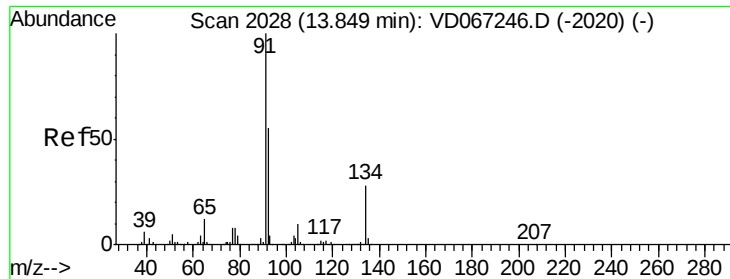
MMDadoda
 10/14/2020 2:10:22 PM



#88
 1,4-Dichlorobenzene
 Concen: 20.356 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.9	19.9	59.7
148	65.9	31.9	95.9





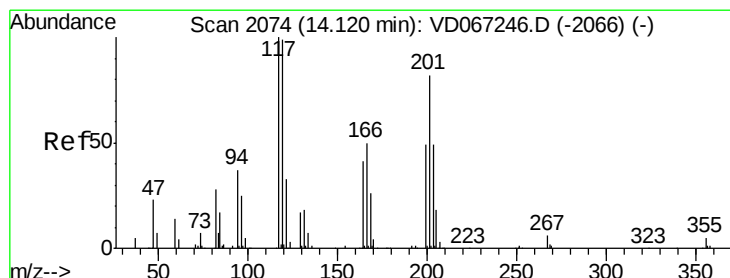
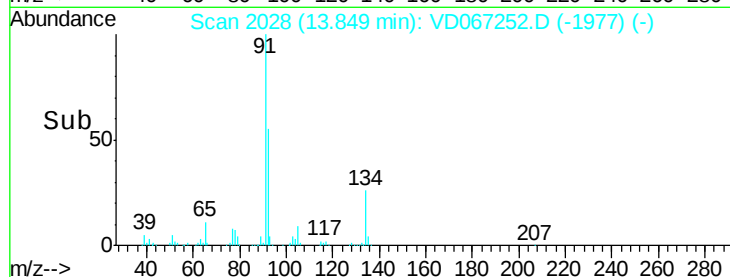
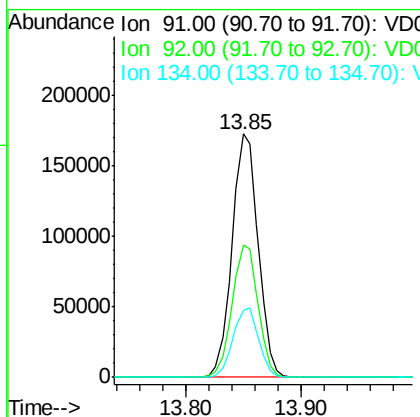
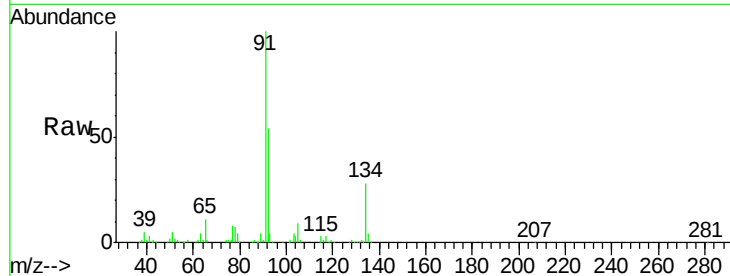
#89
n-Butylbenzene
Concen: 19.861 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	26.7	80.0
134	28.2	14.2	42.6

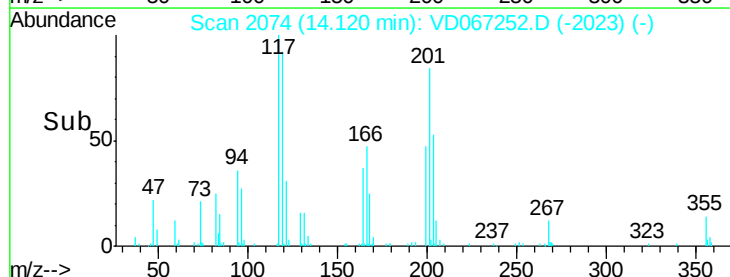
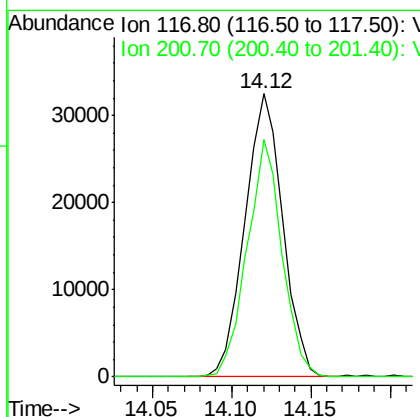
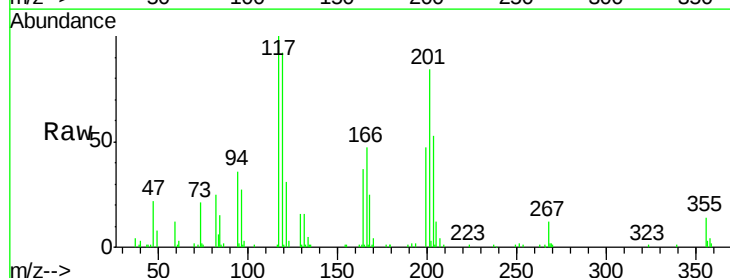
Manual Integrations
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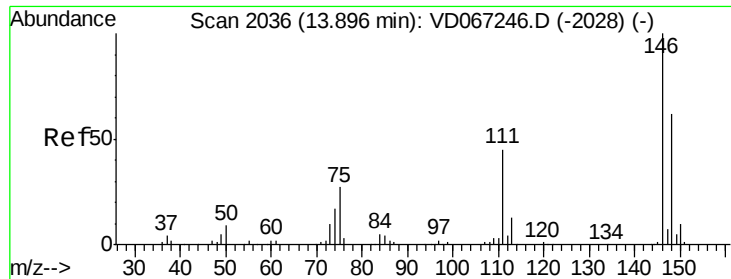
MMDadoda
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#90
Hexachloroethane
Concen: 20.048 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.5	40.8	122.2





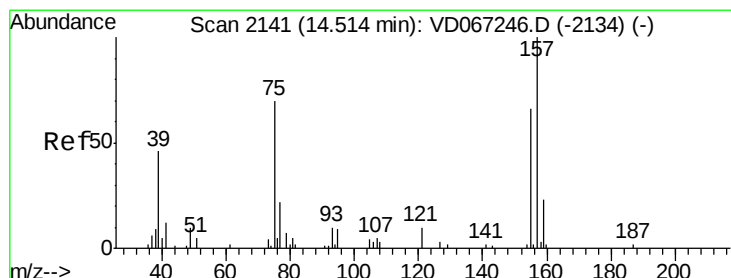
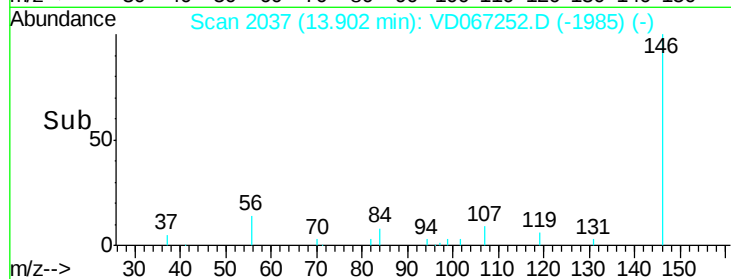
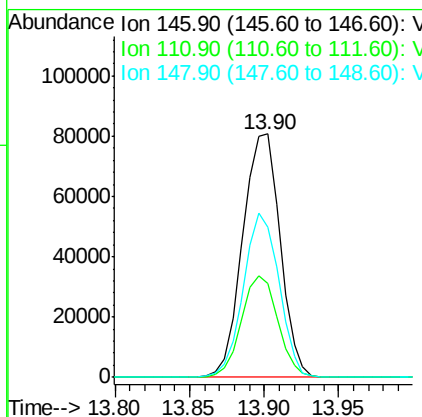
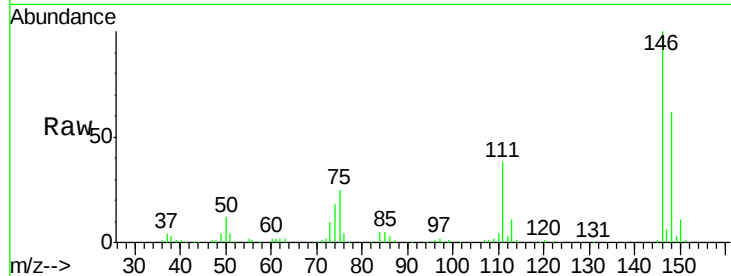
#91
 1,2-Dichlorobenzene
 Concen: 20.690 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	22.0	66.0
148	64.1	32.5	97.5

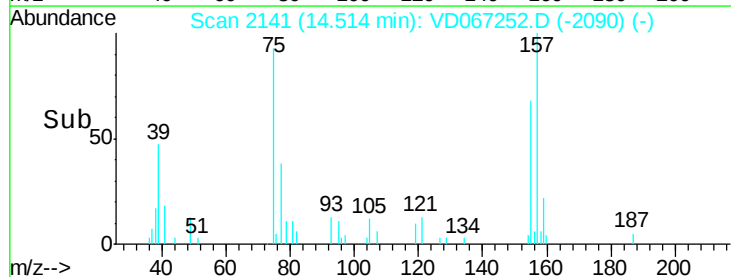
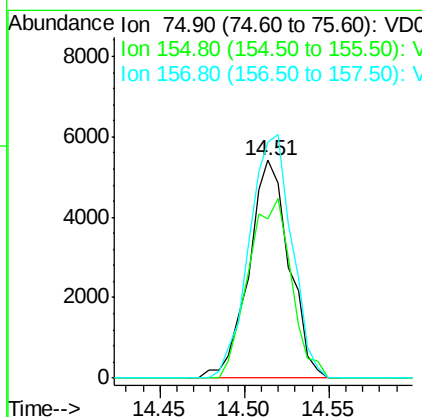
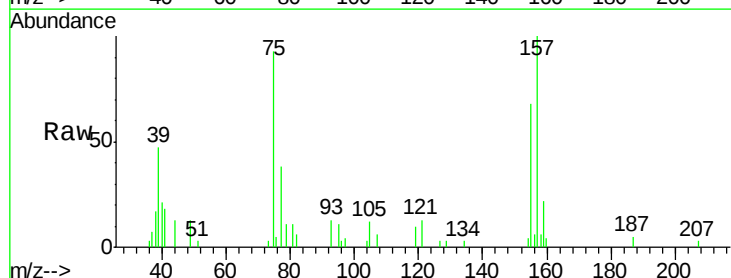
Manual Integrations
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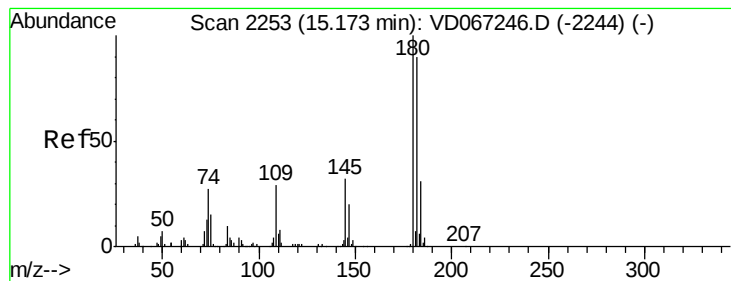
MMDadoda
 10/14/2020 2:10:22 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.073 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067252.D
 Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.7	44.8	134.4
157	117.1	62.5	187.4





#93

1,2,4-Trichlorobenzene

Concen: 19.885 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Instrument :

MSVOA_D

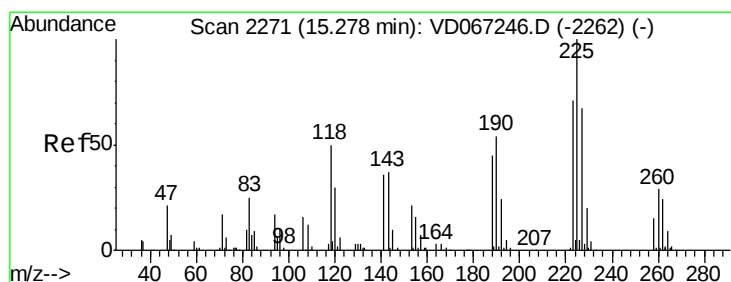
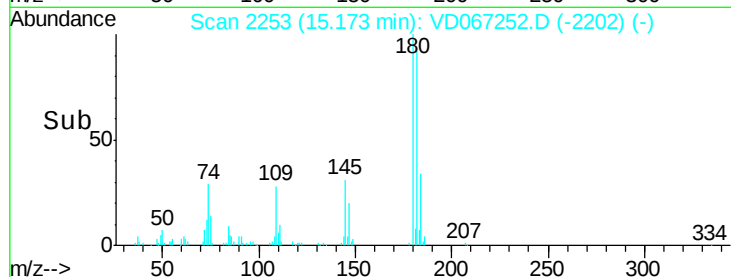
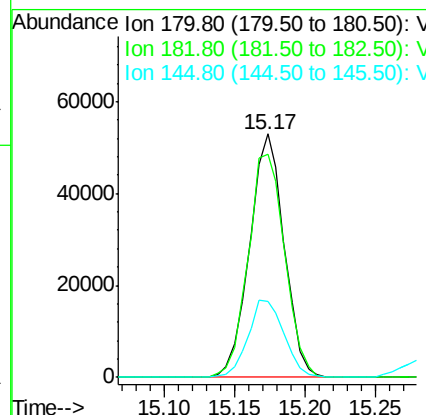
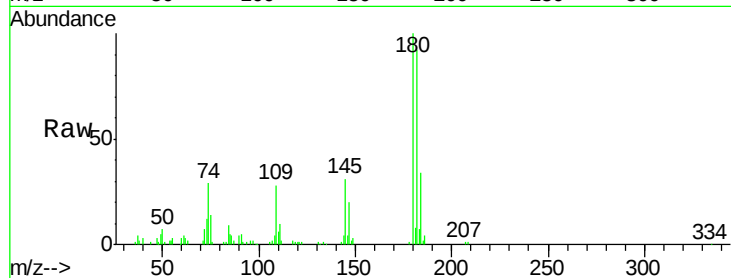
ClientSampleId :

VD1013SBS01

Tot Ion:	180	Resp:	91047
Ion Ratio	Lower	Upper	
180	100		
182	97.2	48.1	144.4
145	33.0	16.3	48.9

Manual Integrations
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#94

Hexachlorobutadiene

Concen: 19.432 ug/l

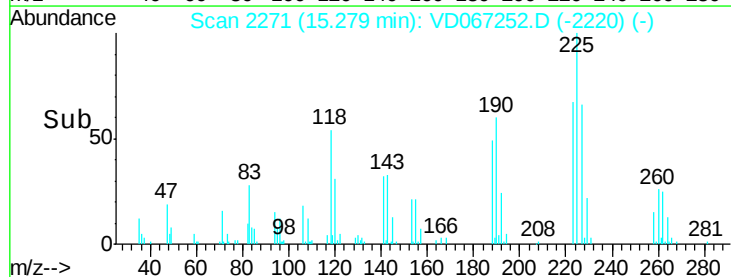
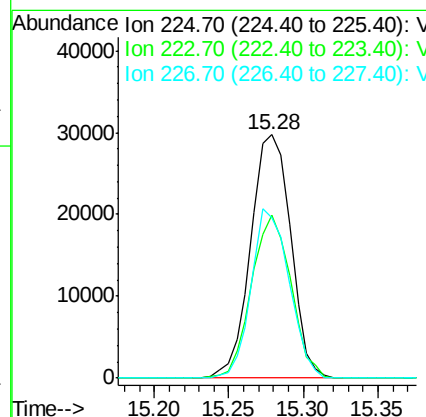
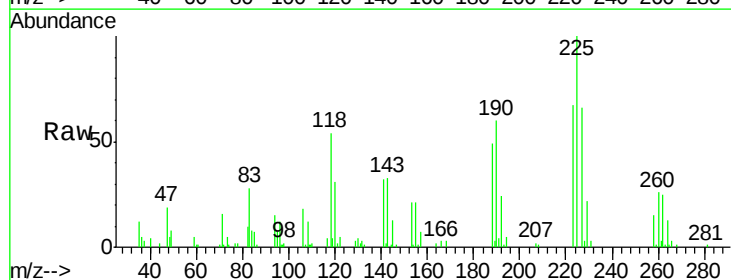
RT: 15.28 min Scan# 2271

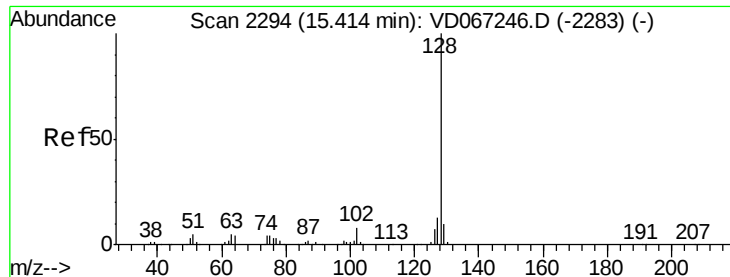
Delta R.T. 0.00 min

Lab File: VD067252.D

Acq: 13 Oct 2020 15:14

Tgt Ion:	225	Resp:	55253
Ion Ratio	Lower	Upper	
225	100		
223	65.8	31.9	95.7
227	65.5	31.2	93.6





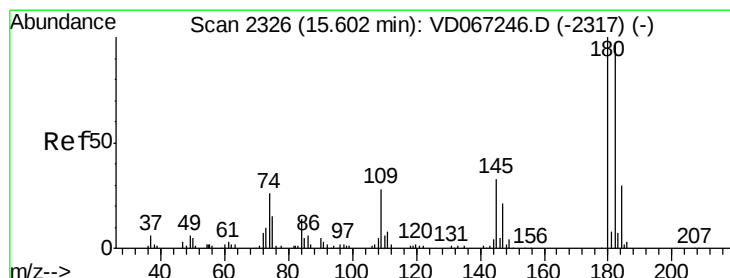
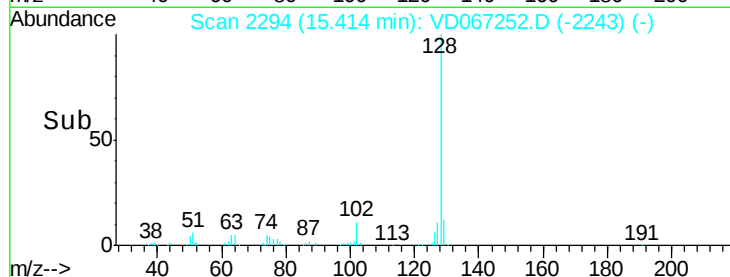
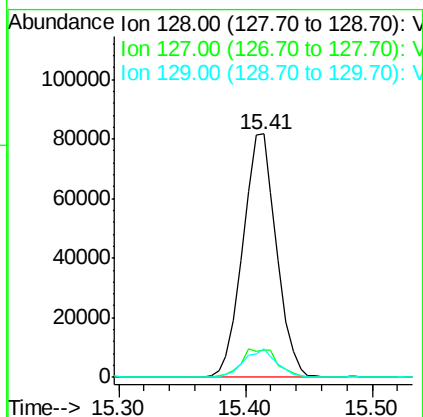
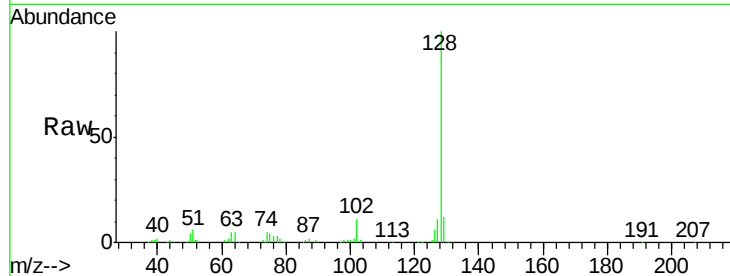
#95
Naphthalene
Concen: 20.065 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.4	15.6
129	11.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:22 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.427 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067252.D
Acq: 13 Oct 2020 15:14

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	48.1	144.3
145	34.4	17.3	51.9

