

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067838.D
 Acq On : 02 Dec 2020 16:27
 Operator : VA/SY
 Sample : VD1202SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:36 AM

Quant Time: Dec 03 01:41:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	238696	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	356663	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	334131	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	178007	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	124885	48.74	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.48%
35) Dibromofluoromethane	7.91	113	114529	47.99	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.98%
50) Toluene-d8	10.34	98	419411	48.82	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.64%
62) 4-Bromofluorobenzene	12.64	95	157875	53.15	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	42010	20.223	ug/l	96
3) Chloromethane	2.21	50	21183	17.669	ug/l	90
4) Vinyl Chloride	2.35	62	30035	19.893	ug/l	96
5) Bromomethane	2.76	94	39284	29.145	ug/l	91
6) Chloroethane	2.93	64	20744	21.102	ug/l	98
7) Trichlorofluoromethane	3.28	101	88755	19.210	ug/l	97
8) Diethyl Ether	3.71	74	17607	19.552	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	41906	19.891	ug/l	99
10) Methyl Iodide	4.30	142	27397	12.269	ug/l	97
11) Tert butyl alcohol	5.20	59	21343	135.773	ug/l #	80
12) 1,1-Dichloroethene	4.07	96	40174	20.311	ug/l	83
13) Acrolein	3.92	56	7937	80.601	ug/l	87
14) Allyl chloride	4.71	41	38536	21.060	ug/l	97
15) Acrylonitrile	5.41	53	30924	99.038	ug/l	99
16) Acetone	4.15	43	28906	91.288	ug/l #	67
17) Carbon Disulfide	4.41	76	108468	19.641	ug/l	100
18) Methyl Acetate	4.72	43	12222	20.132	ug/l #	87
19) Methyl tert-butyl Ether	5.47	73	87444	20.646	ug/l #	91
20) Methylene Chloride	4.97	84	49389	21.759	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	45933	20.408	ug/l #	88
22) Diisopropyl ether	6.36	45	78743	21.396	ug/l	97
23) Vinyl Acetate	6.30	43	222401	108.628	ug/l	94
24) 1,1-Dichloroethane	6.27	63	65771	20.387	ug/l	99
25) 2-Butanone	7.21	43	33541	100.708	ug/l	94
26) 2,2-Dichloropropane	7.21	77	78491	20.403	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	51457	20.902	ug/l	99
28) Bromochloromethane	7.55	49	21170	20.668	ug/l	91
29) Tetrahydrofuran	7.56	42	19932	105.108	ug/l	97
30) Chloroform	7.71	83	87608	20.321	ug/l	98
31) Cyclohexane	7.98	56	53014	19.637	ug/l #	93
32) 1,1,1-Trichloroethane	7.90	97	91509	20.107	ug/l	100
36) 1,1-Dichloropropene	8.11	75	61431	19.896	ug/l	98
37) Ethyl Acetate	7.29	43	15364	18.463	ug/l #	81
38) Carbon Tetrachloride	8.10	117	90615	19.397	ug/l	99

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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	71683	19.591	ug/l	96
40) Benzene	8.36	78	166790	19.742	ug/l	99
41) Methacrylonitrile	7.51	41	7673m	16.409	ug/l	
42) 1,2-Dichloroethane	8.43	62	60338	20.038	ug/l	99
43) Isopropyl Acetate	8.46	43	31317	19.126	ug/l #	57
44) Trichloroethene	9.12	130	57001	19.623	ug/l	96
45) 1,2-Dichloropropane	9.39	63	31859	18.373	ug/l	89
46) Dibromomethane	9.48	93	23303	19.329	ug/l	95
47) Bromodichloromethane	9.66	83	67811	19.729	ug/l	99
48) Methyl methacrylate	9.46	41	14328	17.233	ug/l	96
49) 1,4-Dioxane	9.47	88	4827	350.390	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	76417	98.610	ug/l	98
52) Toluene	10.41	92	117232	19.847	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	57937	19.530	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	64914	20.117	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	30804	18.670	ug/l	95
56) Ethyl methacrylate	10.66	69	30737	18.310	ug/l	95
57) 1,3-Dichloropropane	10.95	76	50507	19.325	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	65302	85.489	ug/l	96
59) 2-Hexanone	10.99	43	51180	93.686	ug/l	99
60) Dibromochloromethane	11.14	129	50537	20.320	ug/l	94
61) 1,2-Dibromoethane	11.25	107	31873	19.644	ug/l	95
64) Tetrachloroethene	10.88	164	49735	18.248	ug/l	96
65) Chlorobenzene	11.67	112	134224	19.469	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	54881	19.517	ug/l	95
67) Ethyl Benzene	11.75	91	227149	19.341	ug/l	99
68) m/p-Xylenes	11.86	106	184119	39.758	ug/l	98
69) o-Xylene	12.18	106	81731	19.880	ug/l	99
70) Styrene	12.20	104	146230	20.455	ug/l	98
71) Bromoform	12.37	173	28450	19.113	ug/l #	95
73) Isopropylbenzene	12.48	105	230912	18.863	ug/l	98
74) N-amyl acetate	12.29	43	26692	17.628	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.73	83	29925	18.516	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	23779m	18.344	ug/l	
77) Bromobenzene	12.77	156	56472	18.556	ug/l	94
78) n-propylbenzene	12.83	91	257022	18.943	ug/l	99
79) 2-Chlorotoluene	12.91	91	153159	19.188	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	204249	19.271	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	9210	16.995	ug/l	97
82) 4-Chlorotoluene	13.01	91	164067	19.269	ug/l	97
83) tert-Butylbenzene	13.23	119	177840	19.718	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	206538	19.597	ug/l	100
85) sec-Butylbenzene	13.40	105	222145	18.454	ug/l	100
86) p-Isopropyltoluene	13.52	119	220667	18.704	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	111260	18.952	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	110784	18.863	ug/l	98
89) n-Butylbenzene	13.84	91	182014	18.570	ug/l	99
90) Hexachloroethane	14.11	117	39922	18.328	ug/l	98
91) 1,2-Dichlorobenzene	13.89	146	95030	18.664	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6222	18.447	ug/l	90

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ALS Vial : 5 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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QLast Update : Wed Dec 02 08:05:58 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.16	180	67299	18.896	ug/l	99
94) Hexachlorobutadiene	15.27	225	42733	18.388	ug/l	97
95) Naphthalene	15.41	128	105403	18.187	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	56285	18.300	ug/l	97

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

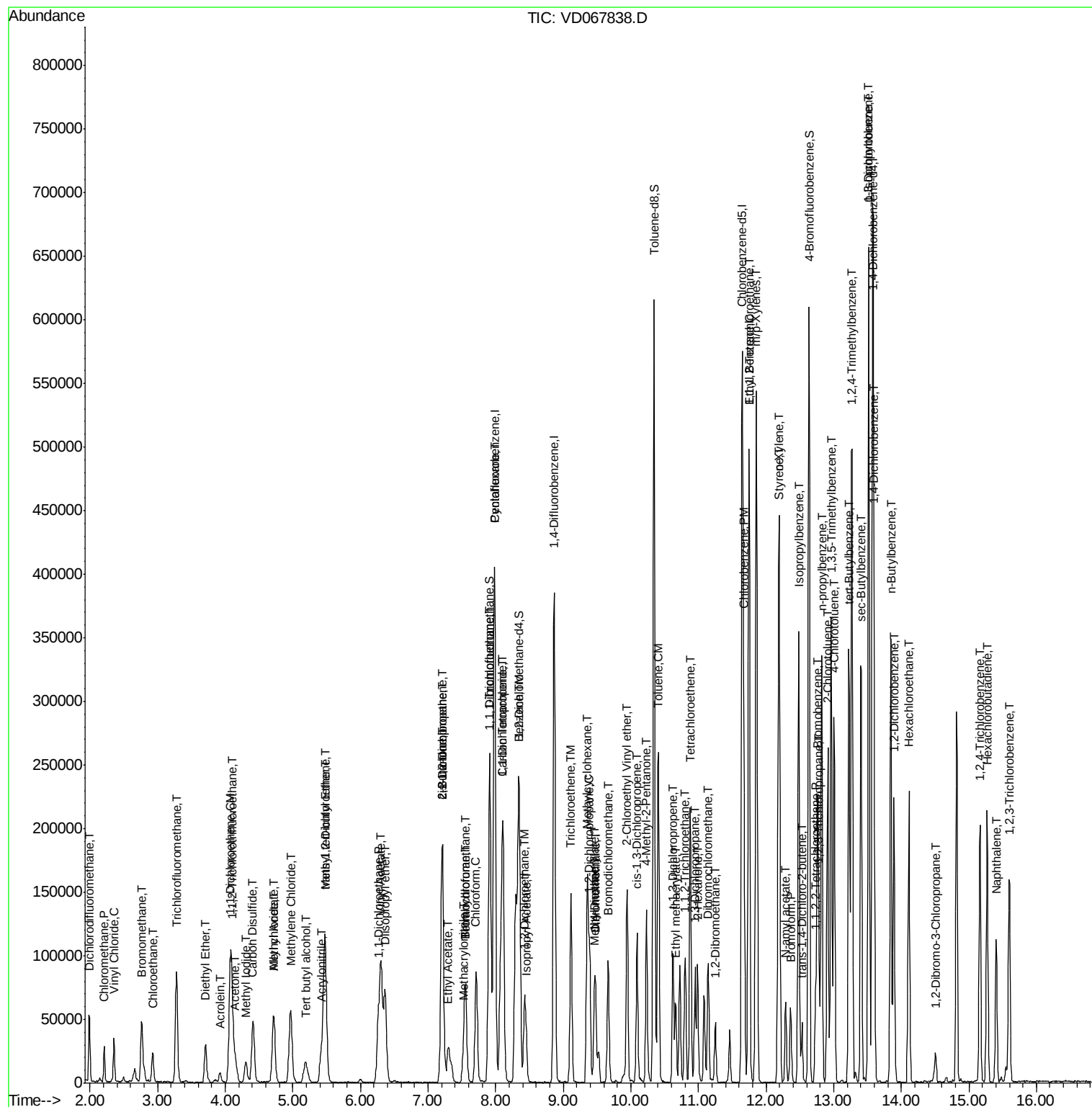
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 Data File : VD067838.D
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 Sample : VD1202SBSD01
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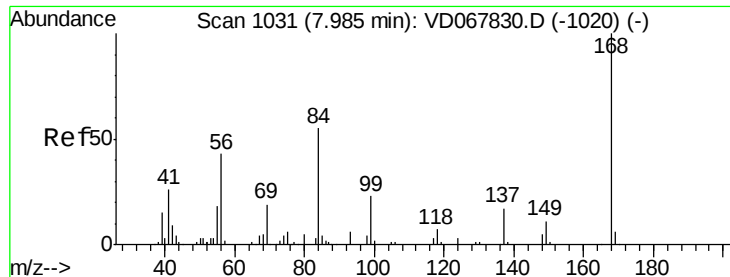
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBSD01

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion:168 Resp: 238696

Ion Ratio Lower Upper

168 100

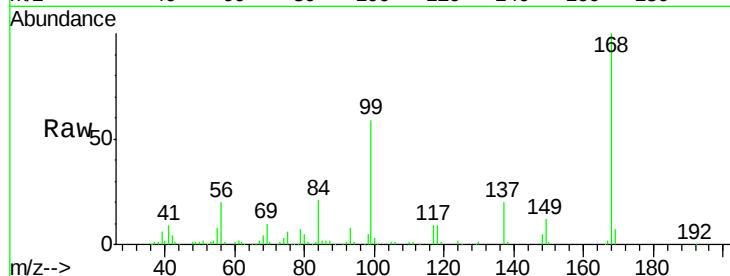
99 59.1 47.1 70.7

Manual Integrations

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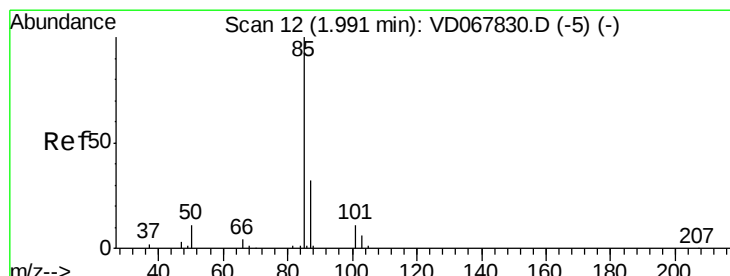
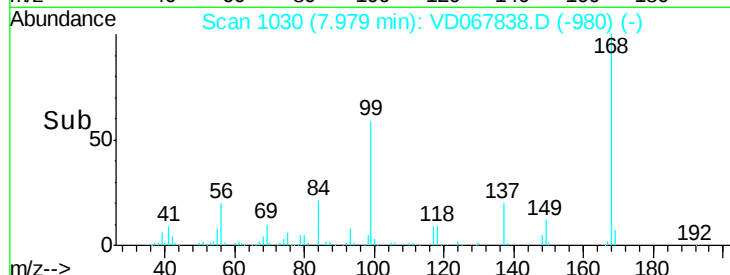
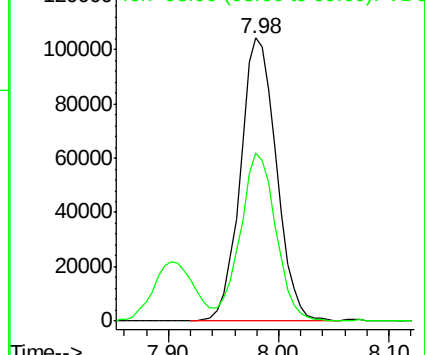
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.223 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067838.D

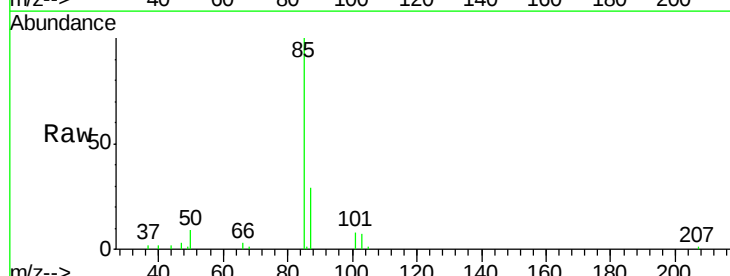
Acq: 02 Dec 2020 16:27

Tgt Ion: 85 Resp: 42010

Ion Ratio Lower Upper

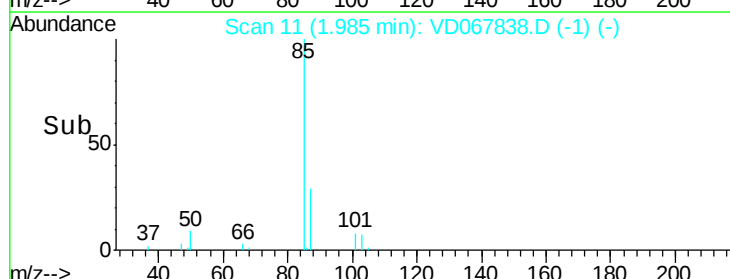
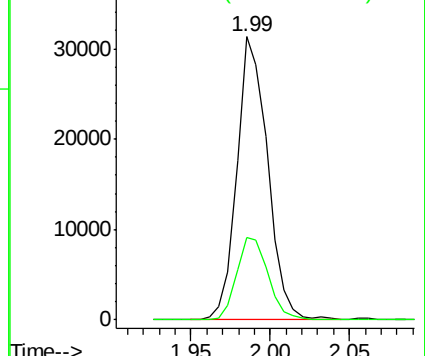
85 100

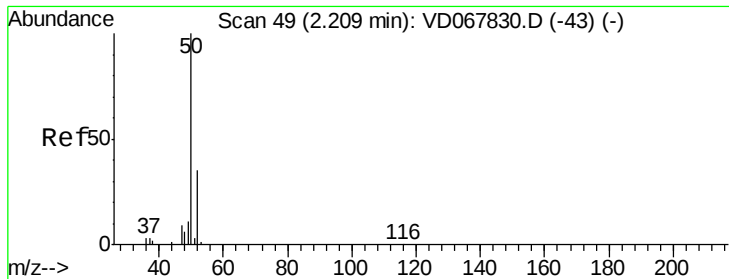
87 29.3 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 17.669 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBSD01

Tot Ion: 50 Resp: 21183

Ion Ratio Lower Upper

50 100

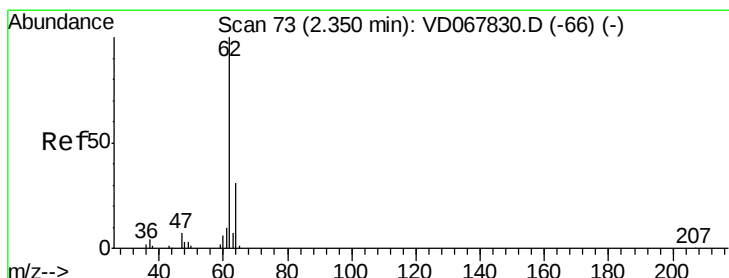
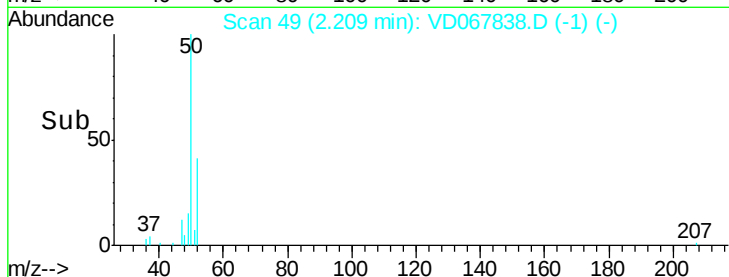
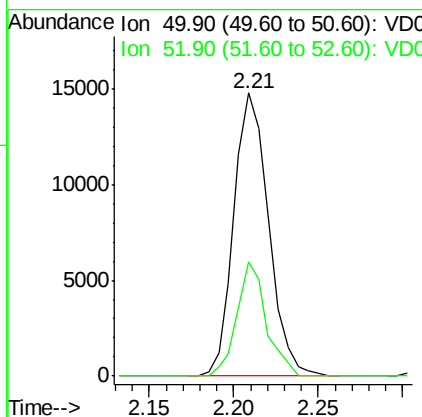
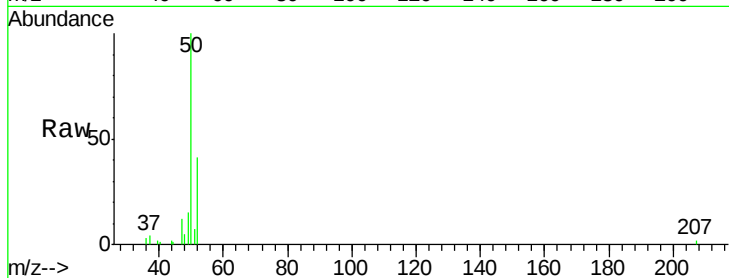
52 40.6 27.8 41.6

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.893 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067838.D

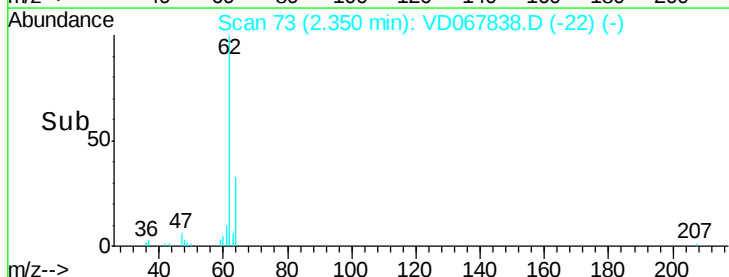
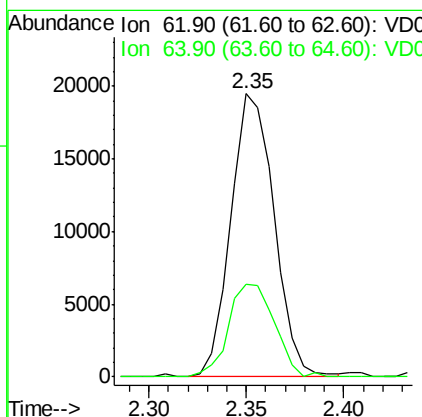
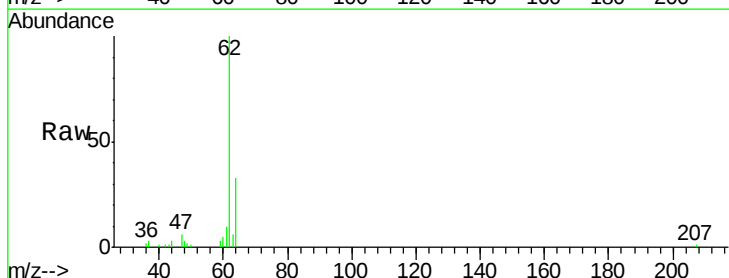
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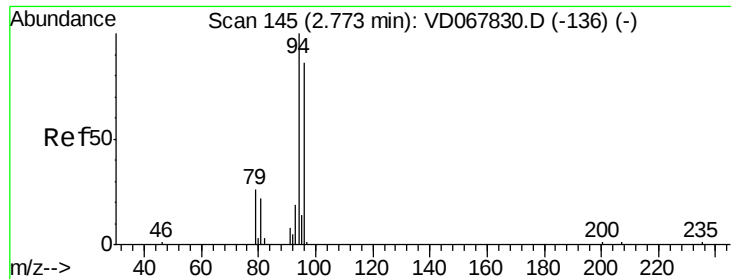
Tgt Ion: 62 Resp: 30035

Ion Ratio Lower Upper

62 100

64 32.6 24.5 36.7





#5

Bromomethane

Concen: 29.145 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

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ClientSampleId :

VD1202SBS01

Tot Ion: 94 Resp: 39284

Ion Ratio Lower Upper

94 100

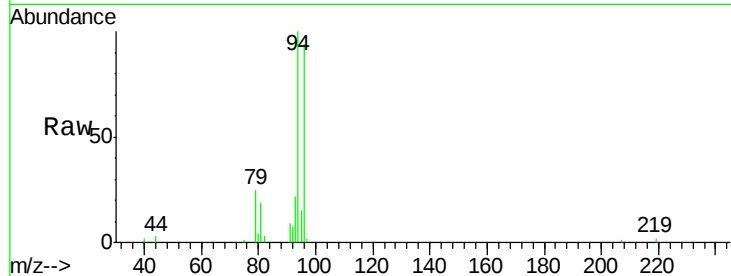
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Manual Integrations

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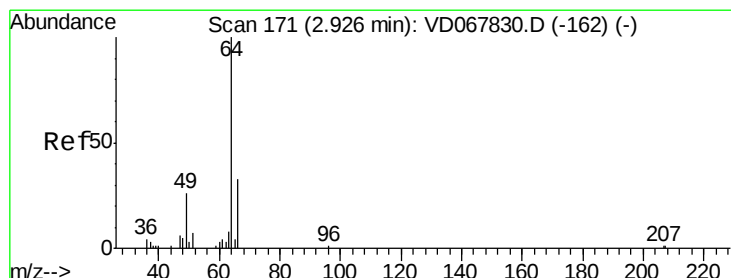
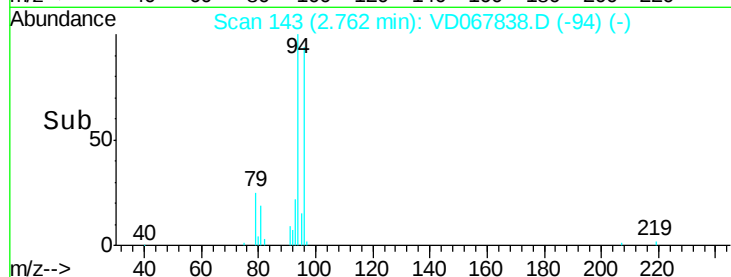
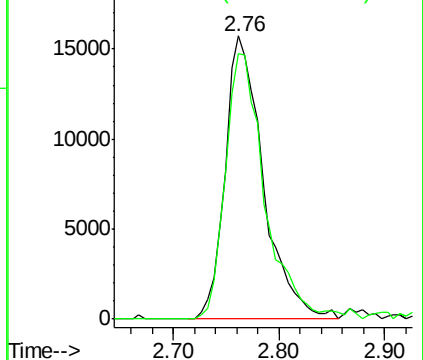
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.102 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067838.D

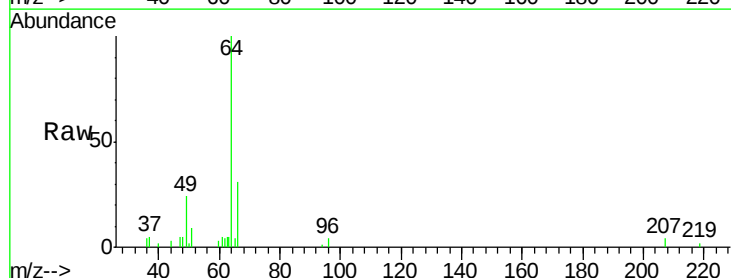
Acq: 02 Dec 2020 16:27

Tgt Ion: 64 Resp: 20744

Ion Ratio Lower Upper

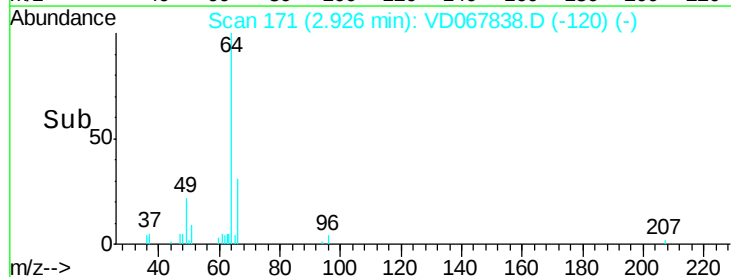
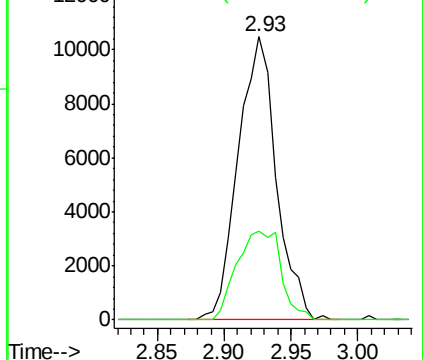
64 100

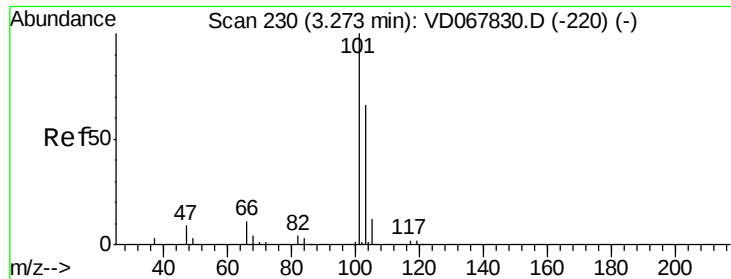
66 31.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

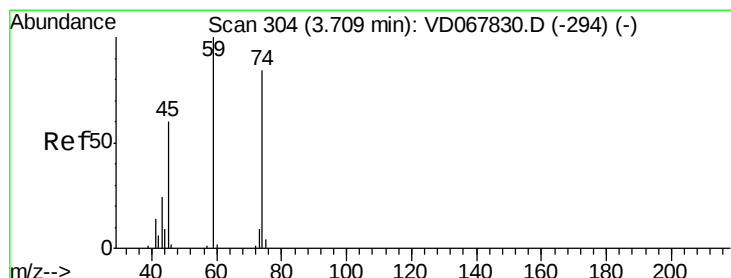
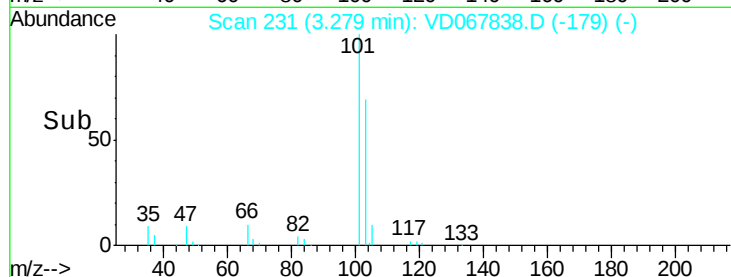
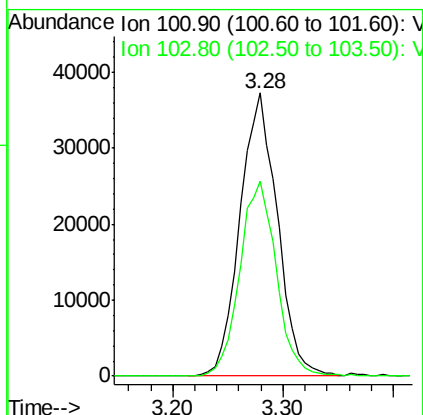
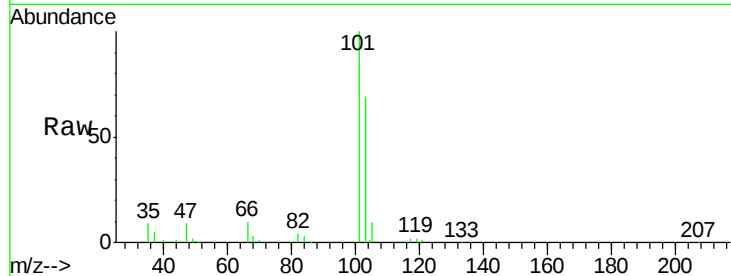
Trichlorofluoromethane
Concen: 19.210 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

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ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.0	53.0	79.6

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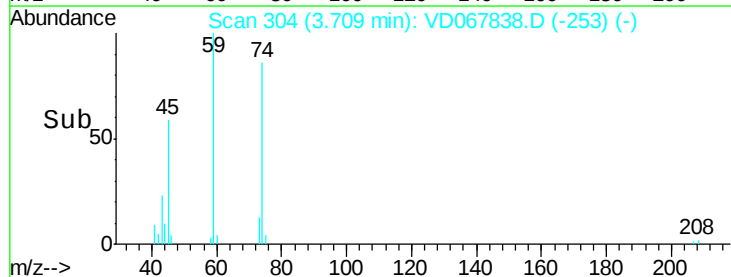
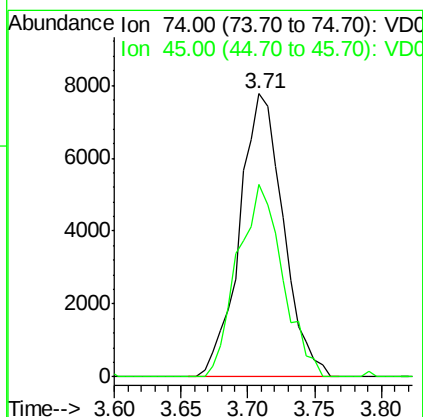
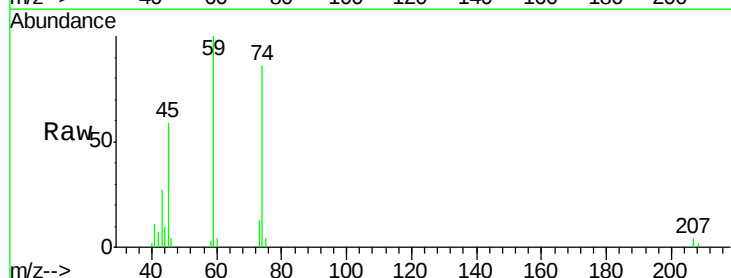
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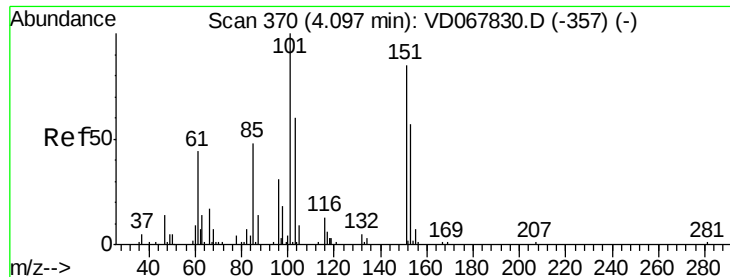


#8

Diethyl Ether
Concen: 19.552 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	70.1	33.9	101.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.891 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

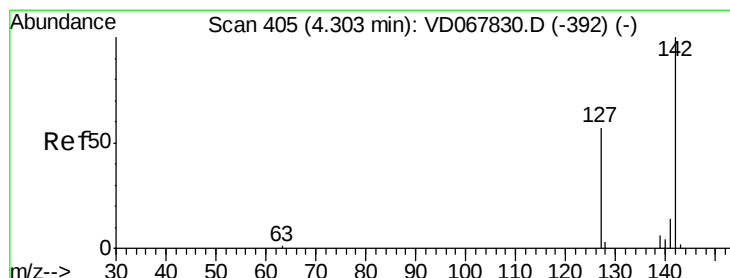
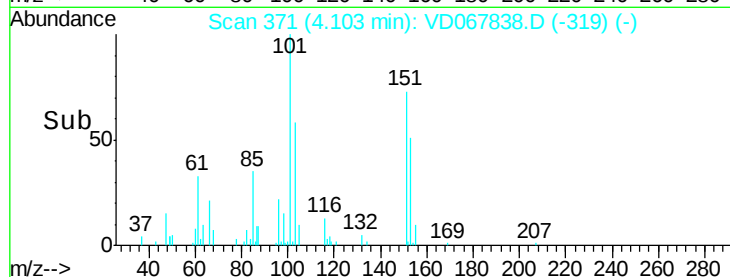
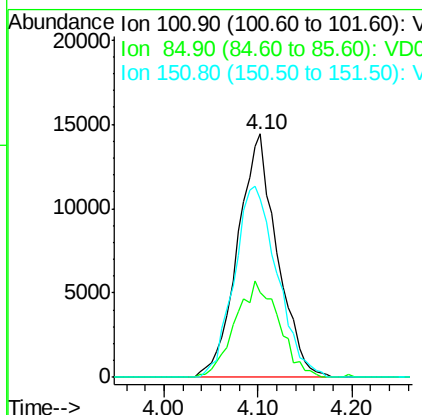
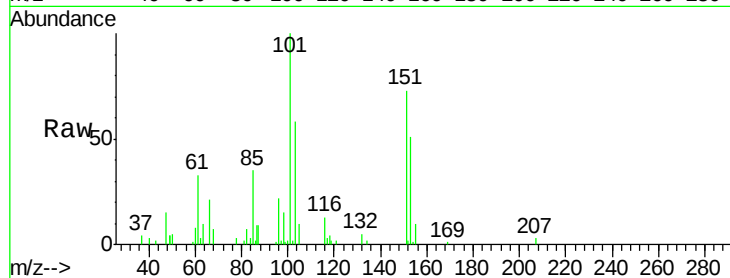
ClientSampleId :

VD1202SBS01

Tot Ion:	101	Resp:	41906
Ion Ratio	Lower	Upper	
101	100		
85	44.1	36.2	54.4
151	85.7	69.4	104.2

Manual Integrations
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MMDadoda
12/3/2020 9:56:36 AM



#10

Methyl Iodide

Concen: 12.269 ug/l

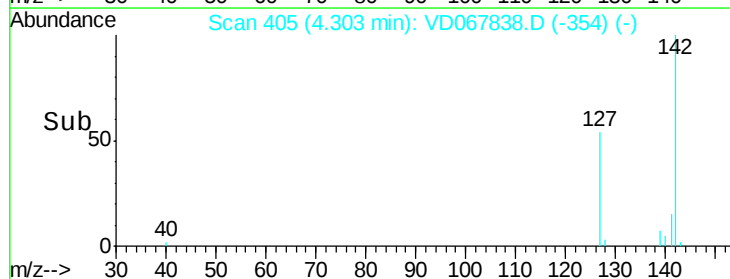
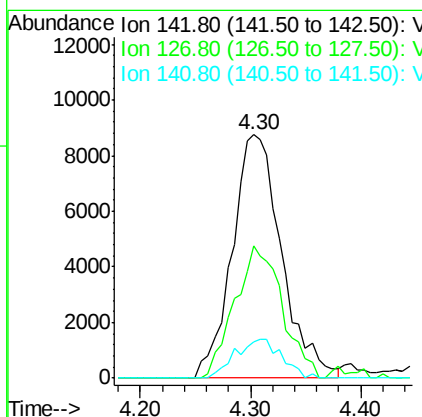
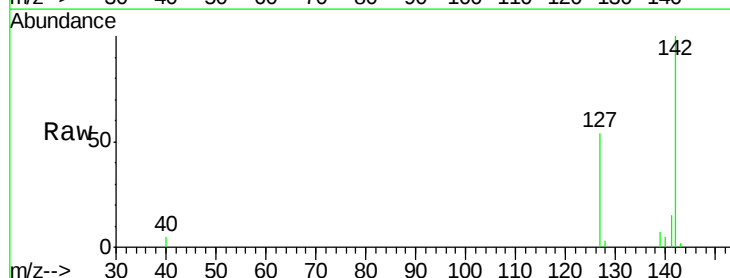
RT: 4.30 min Scan# 405

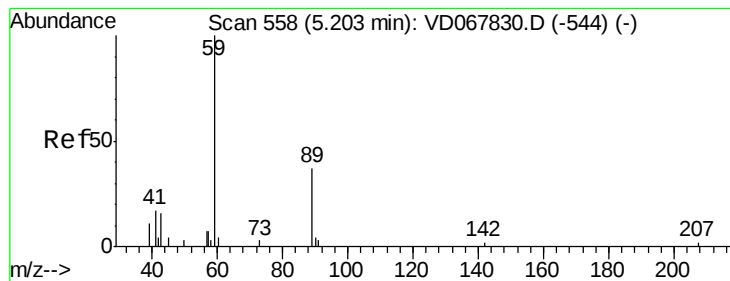
Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Tgt Ion:	142	Resp:	27397
Ion Ratio	Lower	Upper	
142	100		
127	52.2	43.9	65.9
141	14.9	12.2	18.2





#11

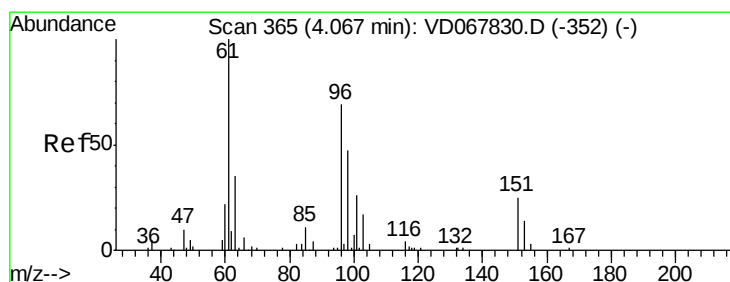
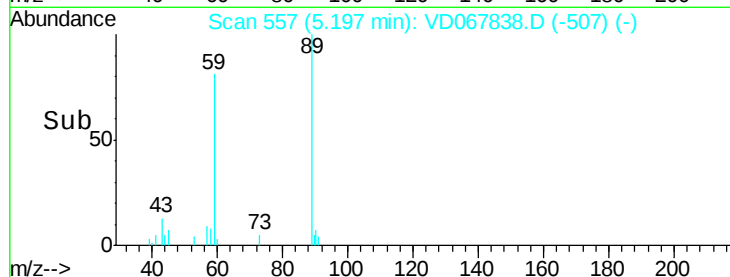
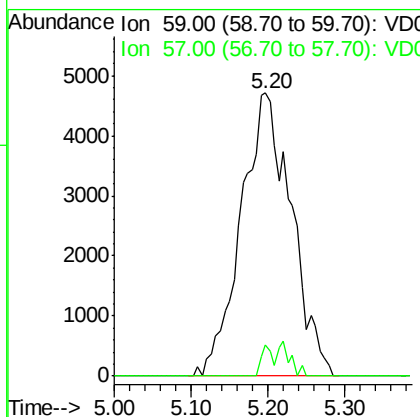
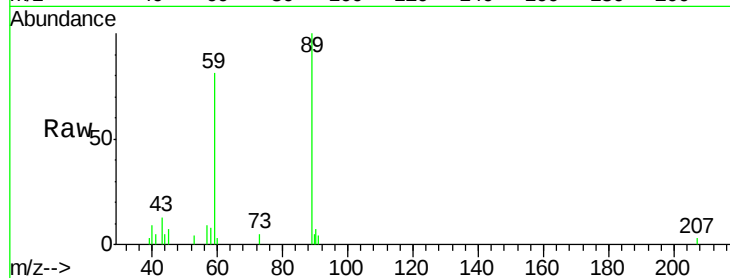
Tert butyl alcohol
 Concen: 135.773 ug/l
 RT: 5.20 min Scan# 557
 Delta R.T. -0.01 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	2.4	7.7	11.5#

Manual Integrations
 APPROVED

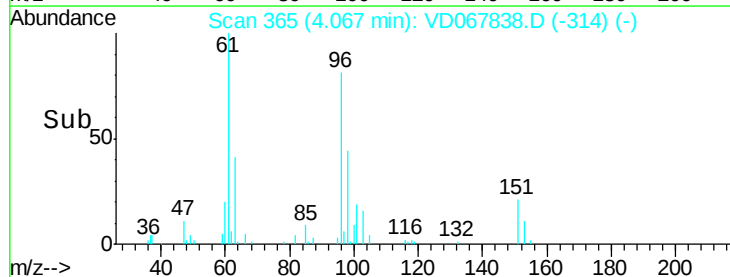
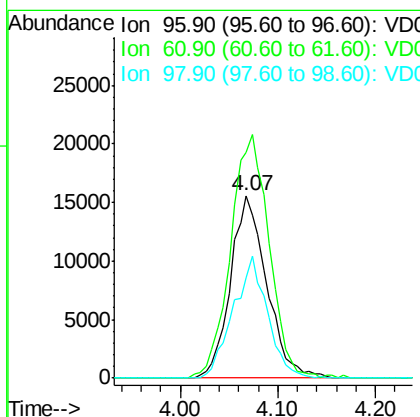
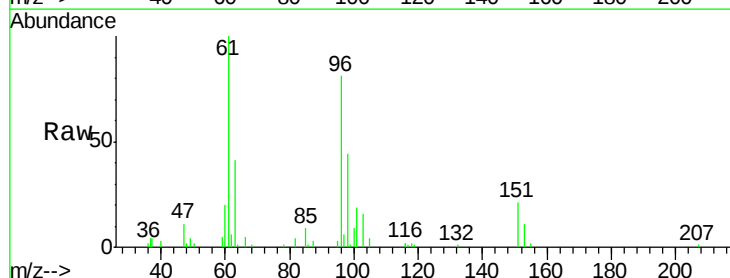
MMDadoda
 12/3/2020 9:56:36 AM

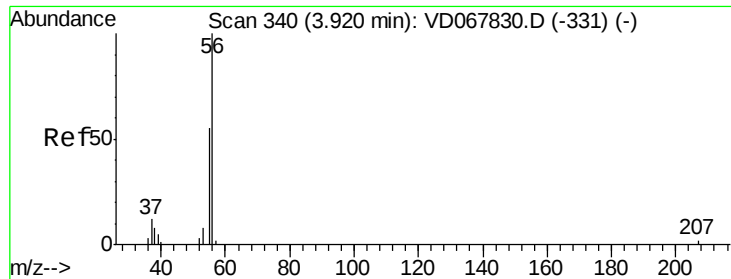


#12

1,1-Dichloroethene
 Concen: 20.311 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	124.2	116.1	174.1
98	54.8	54.6	82.0





#13

Acrolein

Concen: 80.601 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 56 Resp: 7937

Ion Ratio Lower Upper

56 100

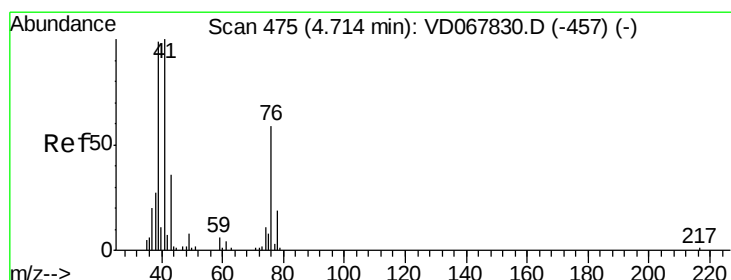
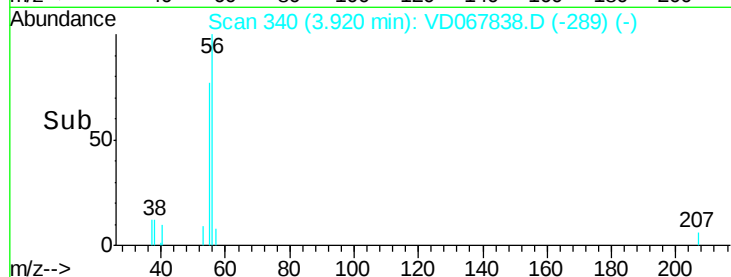
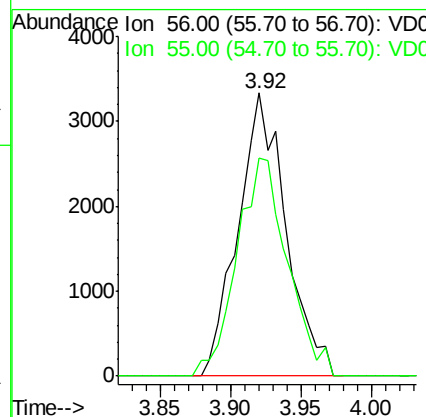
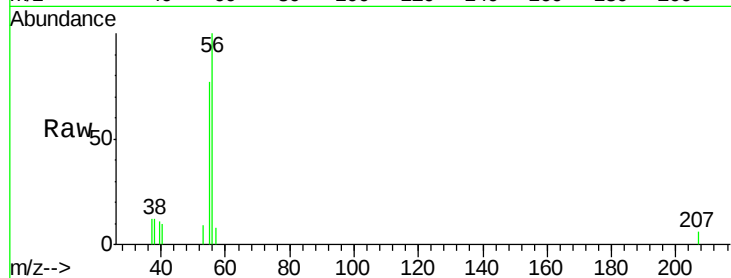
55 81.1 56.5 84.7

Manual Integrations

APPROVED

MMDadoda

12/3/2020 9:56:36 AM



#14

Allyl chloride

Concen: 21.060 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

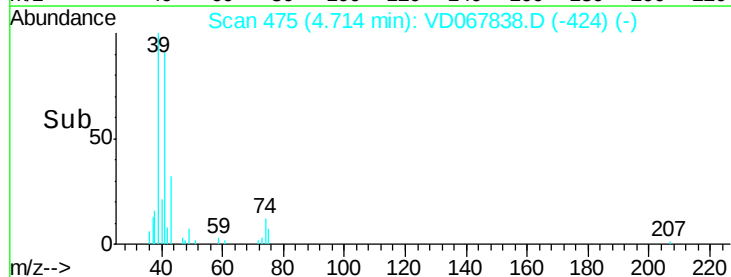
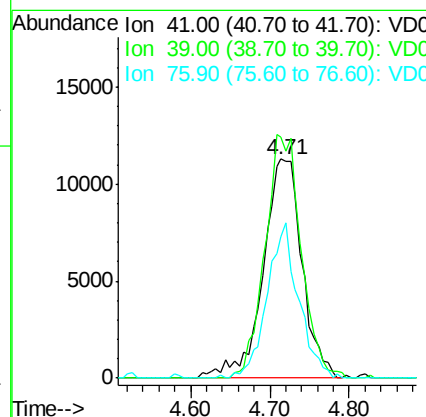
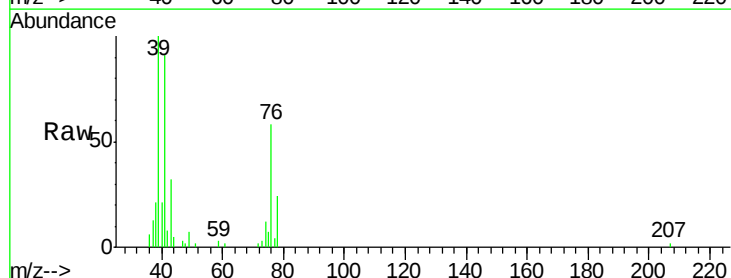
Tgt Ion: 41 Resp: 38536

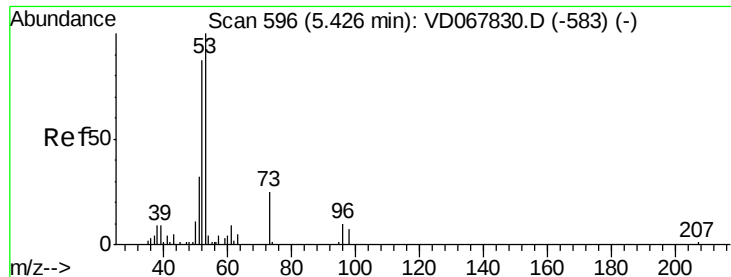
Ion Ratio Lower Upper

41 100

39 102.9 79.0 118.6

76 57.1 46.6 70.0





#15

Acrylonitrile

Concen: 99.038 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

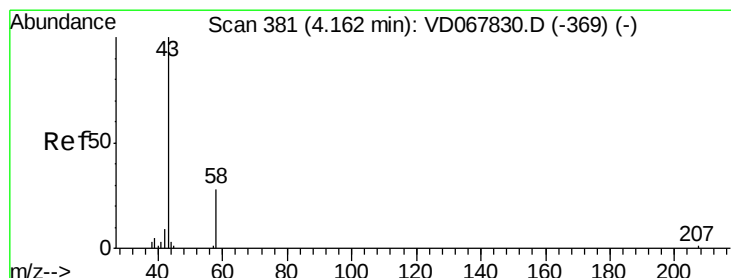
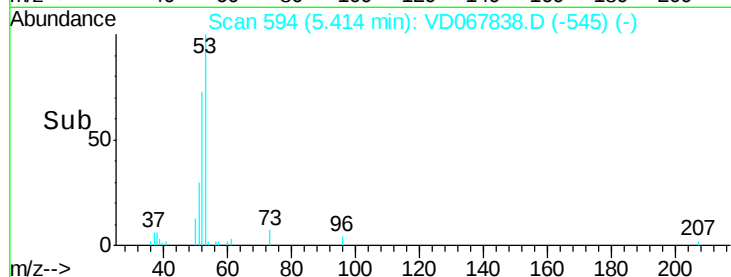
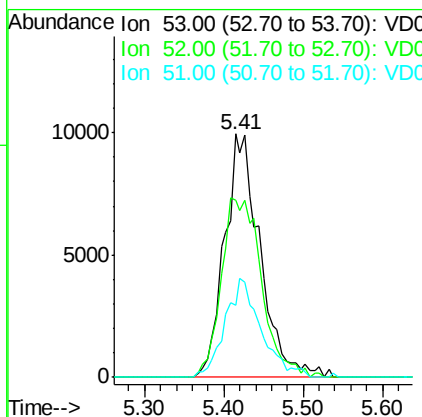
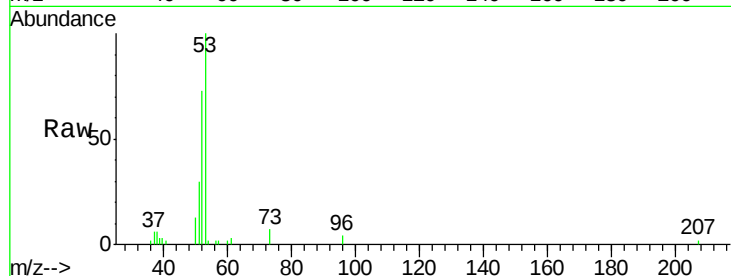
ClientSampleId :

VD1202SBS01

Tot Ion:	53	Resp:	30924
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.2
51	41.0	31.1	46.7

Manual Integrations
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12/3/2020 9:56:36 AM



#16

Acetone

Concen: 91.288 ug/l

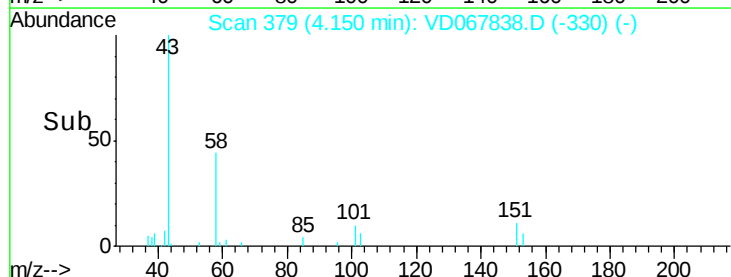
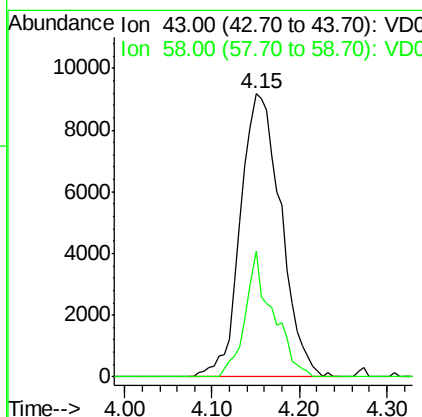
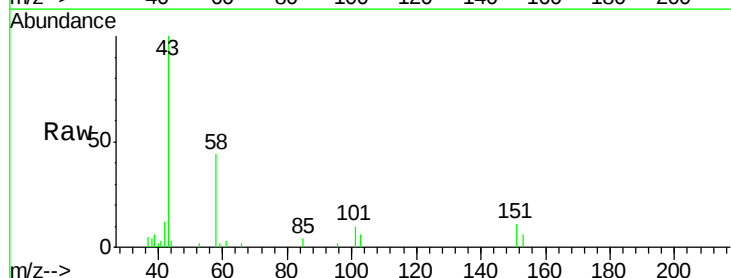
RT: 4.15 min Scan# 379

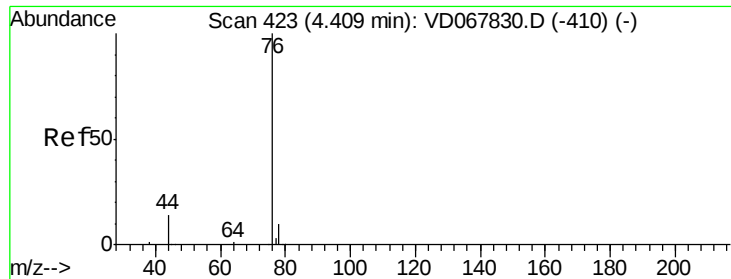
Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Tgt Ion:	43	Resp:	28906
Ion Ratio	Lower	Upper	
43	100		
58	44.3	21.9	32.9#





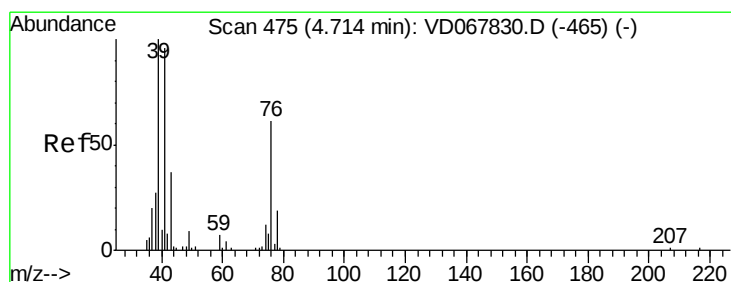
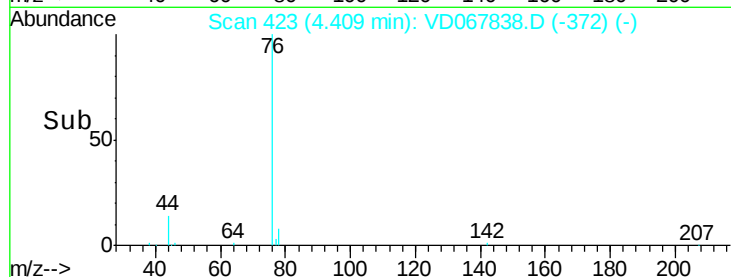
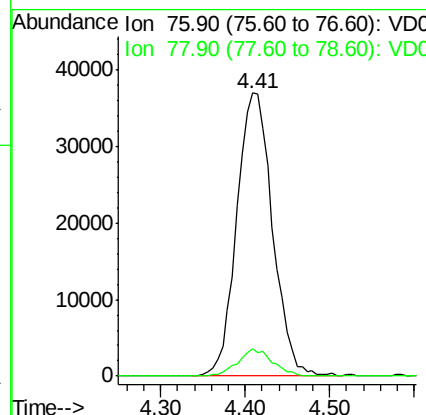
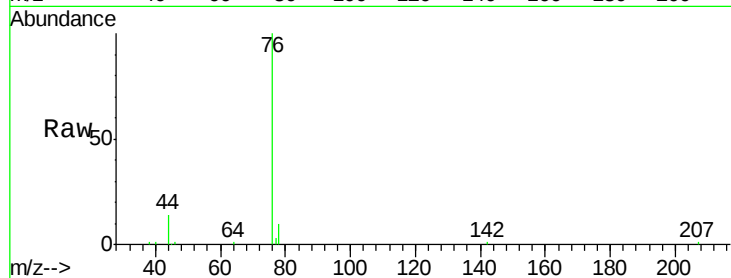
#17
Carbon Disulfide
Concen: 19.641 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.8	11.6

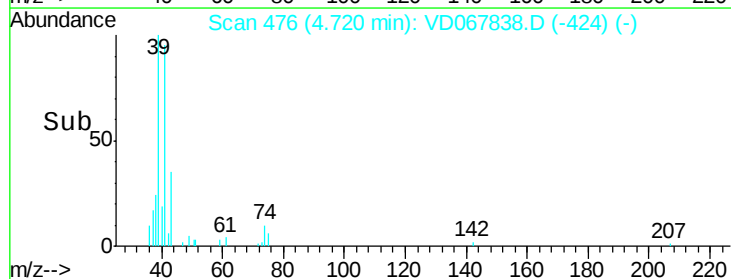
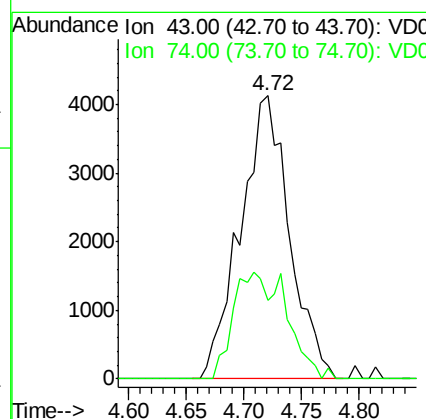
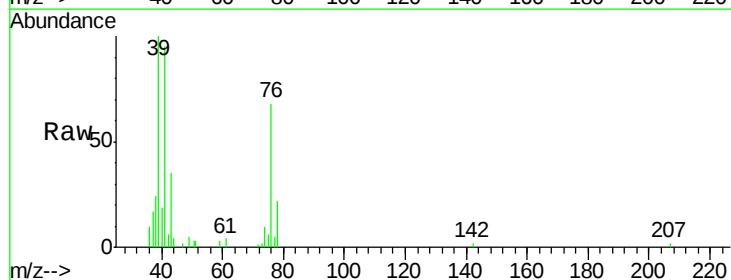
Manual Integrations
APPROVED

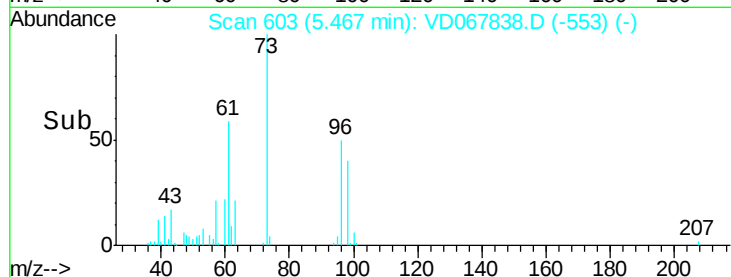
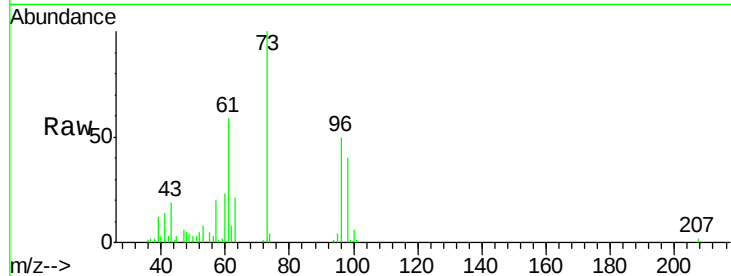
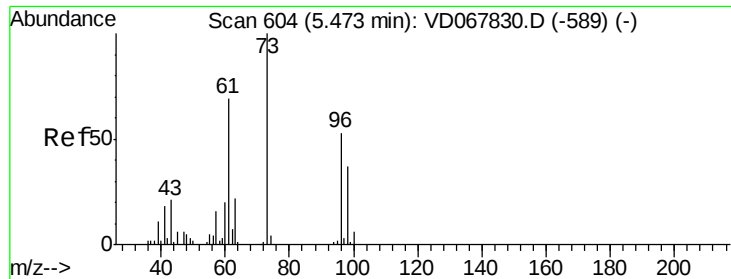
MMDadoda
12/3/2020 9:56:36 AM



#18
Methyl Acetate
Concen: 20.132 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	40.9	27.0	40.4#





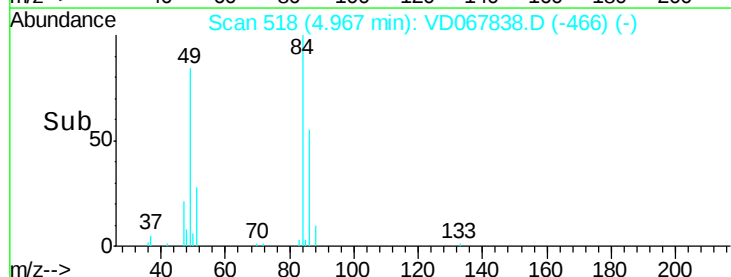
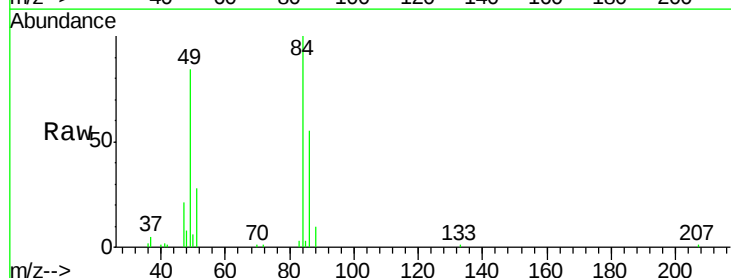
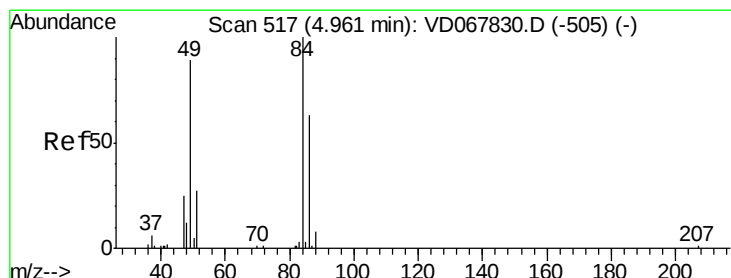
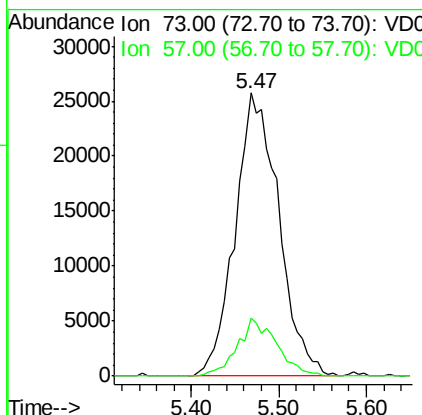
#19
Methyl tert-butyl Ether
Concen: 20.646 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tot Ion: 73 Resp: 87444
Ion Ratio Lower Upper
73 100
57 20.4 13.2 19.8#

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

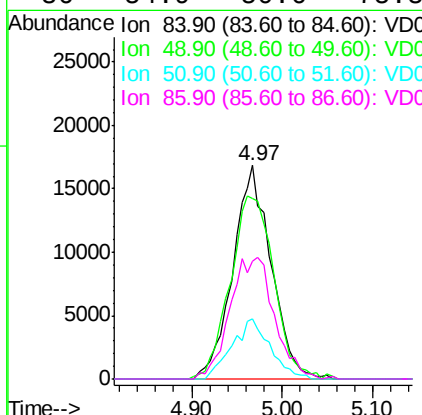
Manual Integrations
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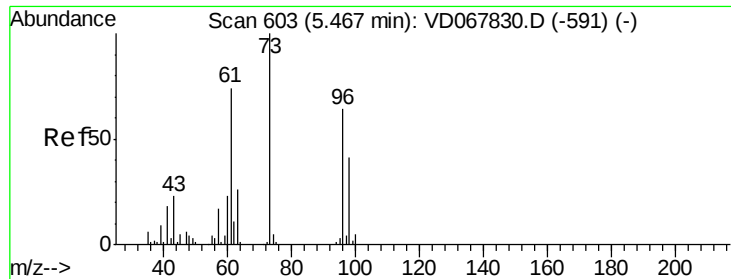
MMDadoda
12/3/2020 9:56:36 AM



#20
Methylene Chloride
Concen: 21.759 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion: 84 Resp: 49389
Ion Ratio Lower Upper
84 100
49 84.3 71.4 107.0
51 27.9 21.8 32.8
86 54.9 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.408 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

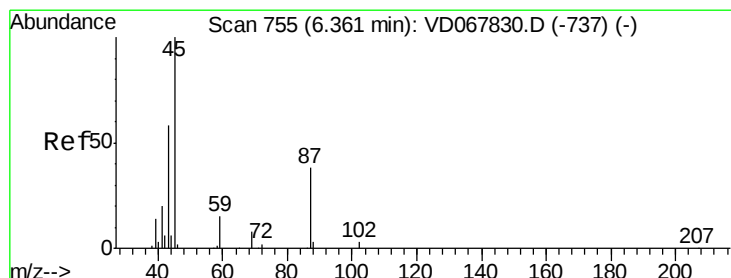
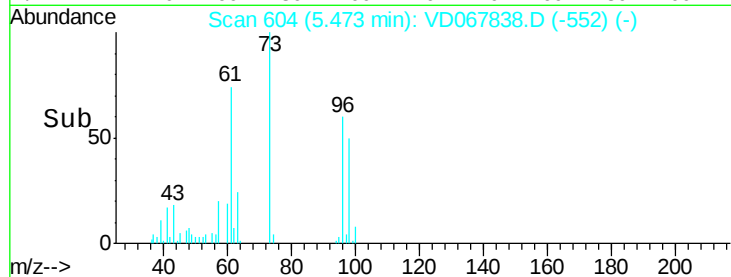
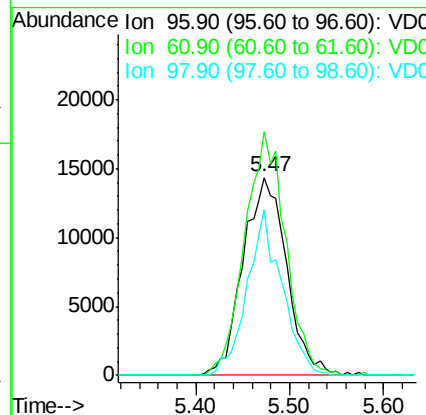
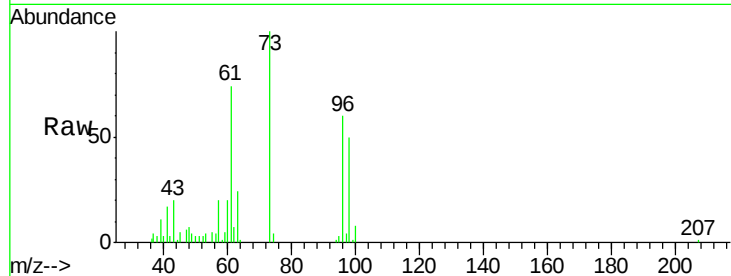
ClientSampleId :

VD1202SBSD01

Tot Ion:	96	Resp:	45933
Ion	Ratio	Lower	Upper
96	100		
61	122.9	93.1	139.7
98	83.3	52.2	78.2#

Manual Integrations
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12/3/2020 9:56:36 AM



#22

Diisopropyl ether

Concen: 21.396 ug/l

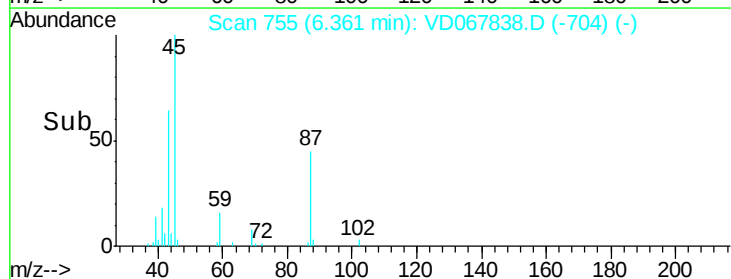
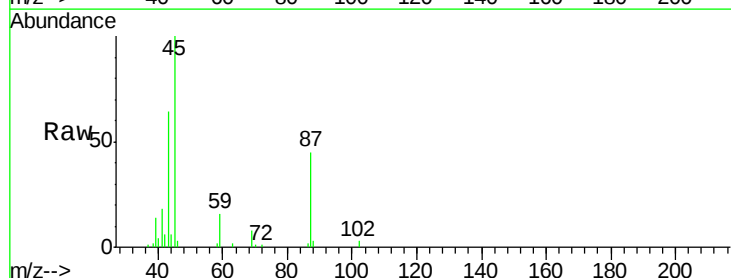
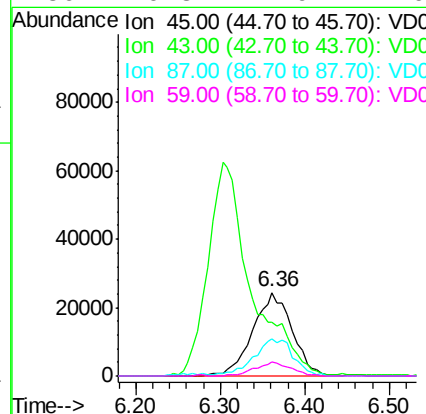
RT: 6.36 min Scan# 755

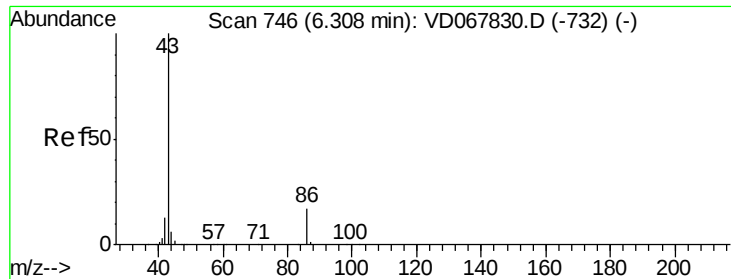
Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Tgt Ion:	45	Resp:	78743
Ion	Ratio	Lower	Upper
45	100		
43	61.7	49.8	74.6
87	44.7	32.1	48.1
59	16.3	11.9	17.9





#23

Vinyl Acetate

Concen: 108.628 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 43 Resp: 222401

Ion Ratio Lower Upper

43 100

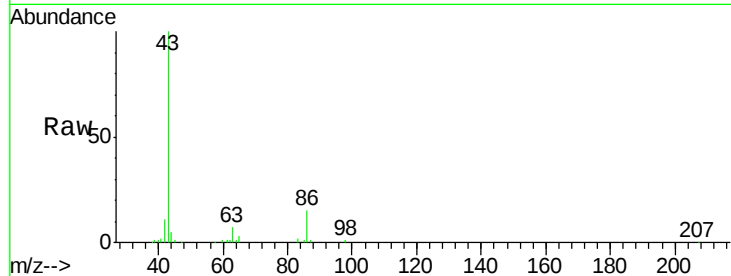
86 14.8 13.8 20.6

Manual Integrations

APPROVED

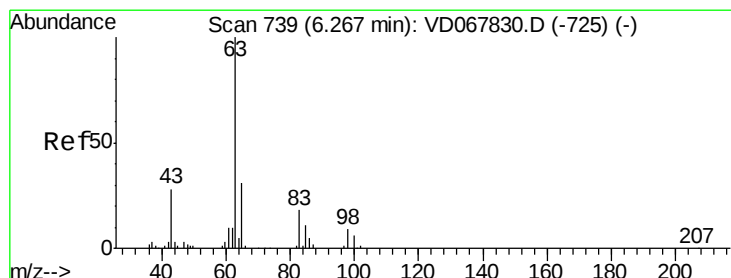
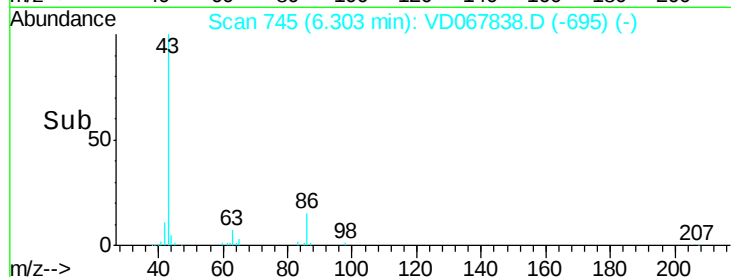
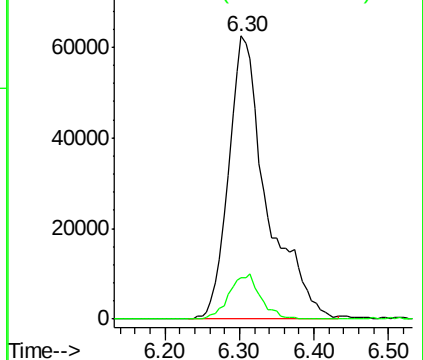
MMDadoda

12/3/2020 9:56:36 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.387 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

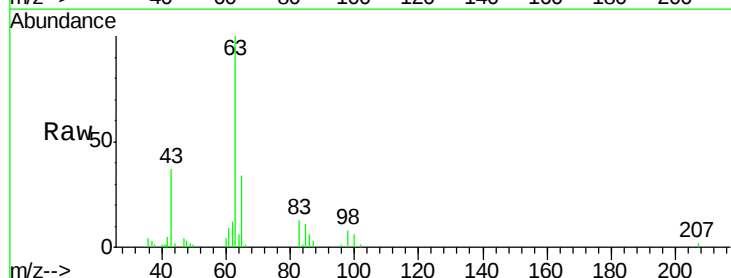
Tgt Ion: 63 Resp: 65771

Ion Ratio Lower Upper

63 100

98 8.3 4.5 13.5

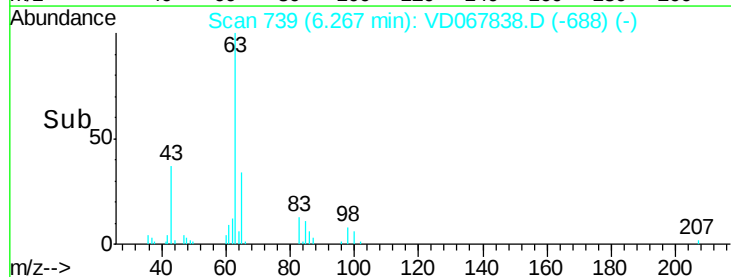
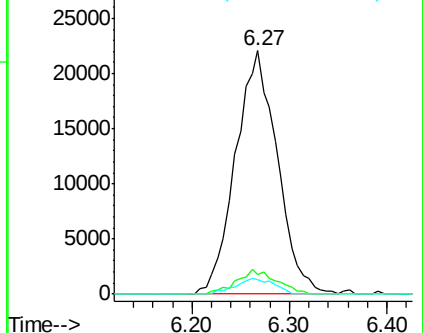
100 6.0 3.0 9.2

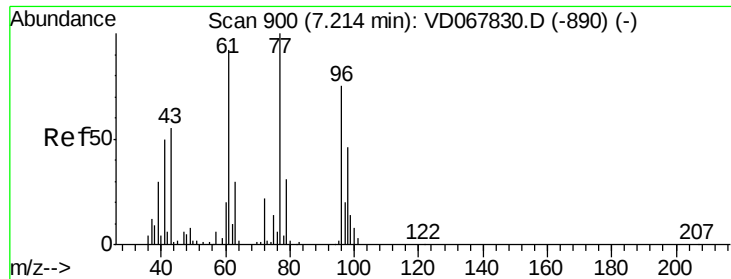


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 100.708 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 43 Resp: 33541

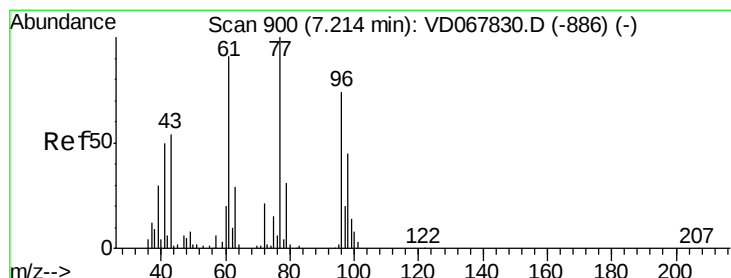
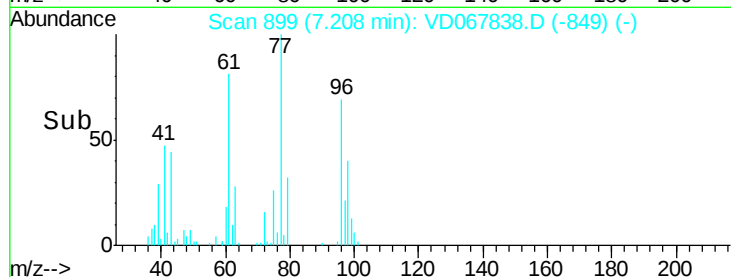
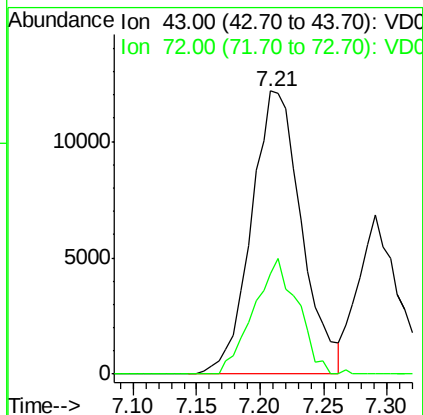
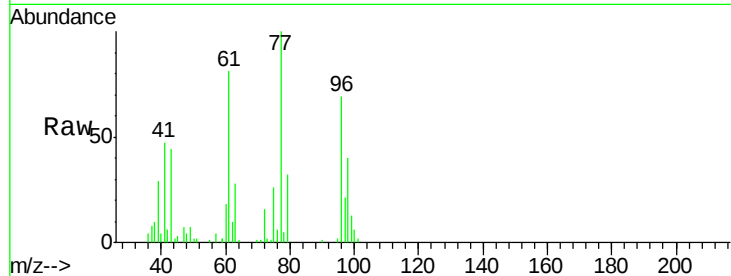
Ion Ratio Lower Upper

43 100

72 35.6 31.3 46.9

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#26

2,2-Dichloropropane

Concen: 20.403 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067838.D

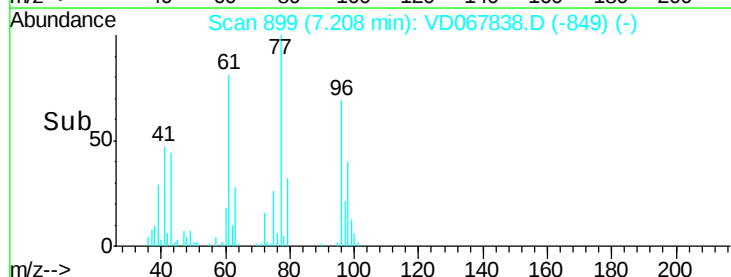
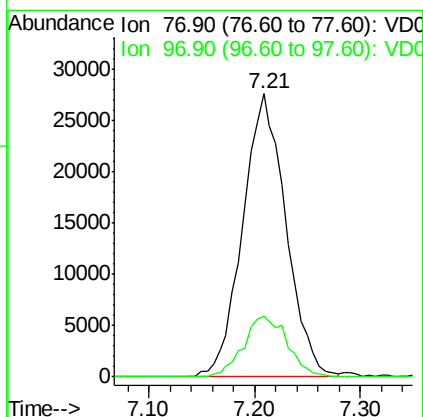
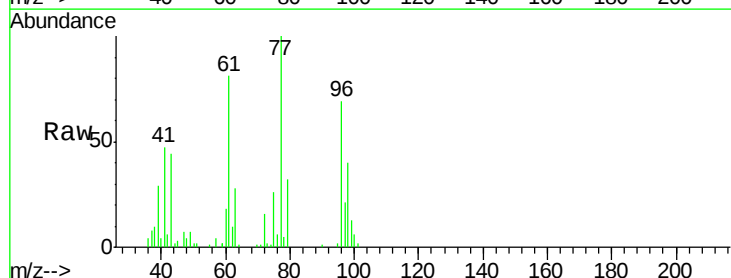
Acq: 02 Dec 2020 16:27

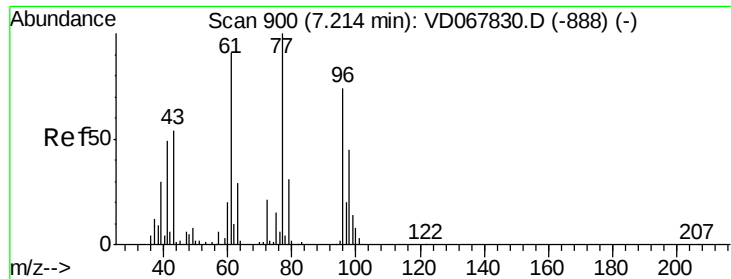
Tgt Ion: 77 Resp: 78491

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.1





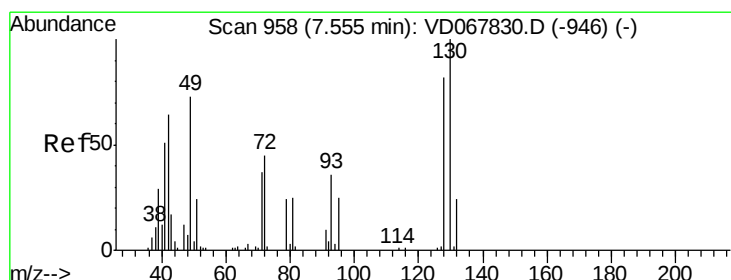
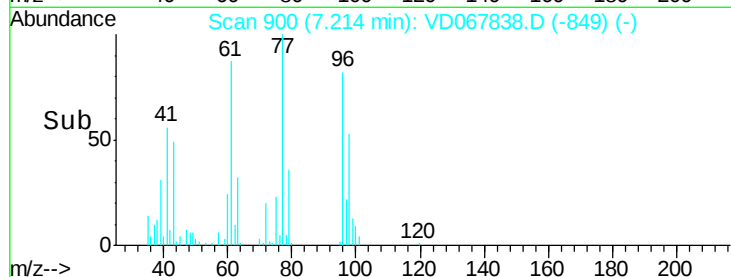
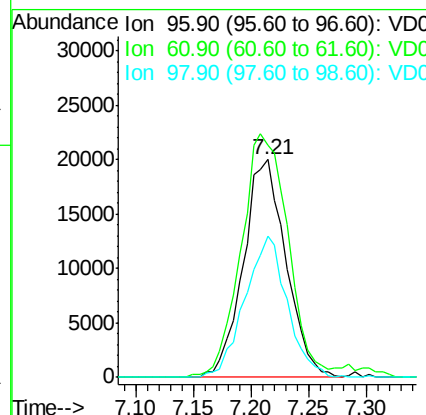
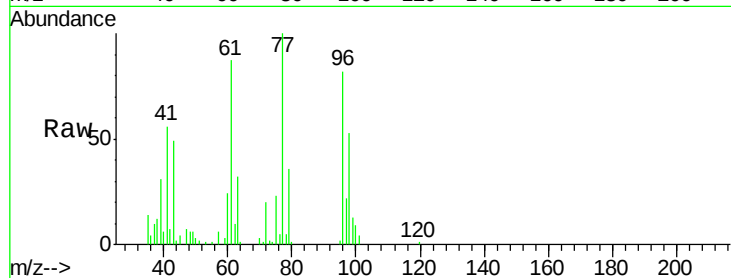
#27
 cis-1,2-Dichloroethene
 Concen: 20.902 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	122.9	0.0	248.4
98	64.1	0.0	127.4

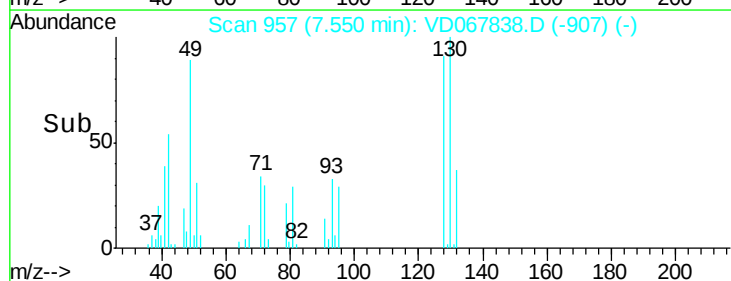
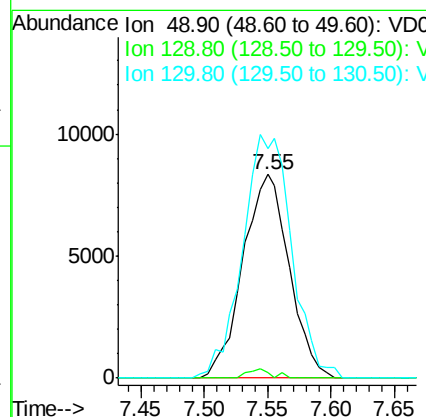
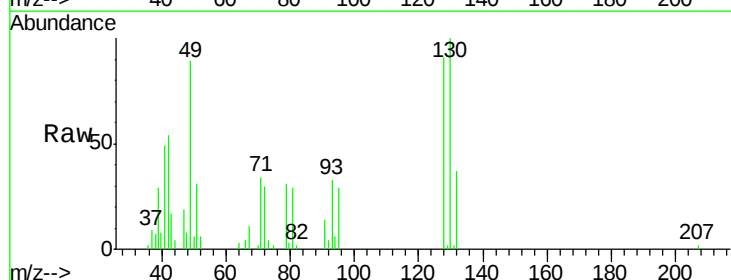
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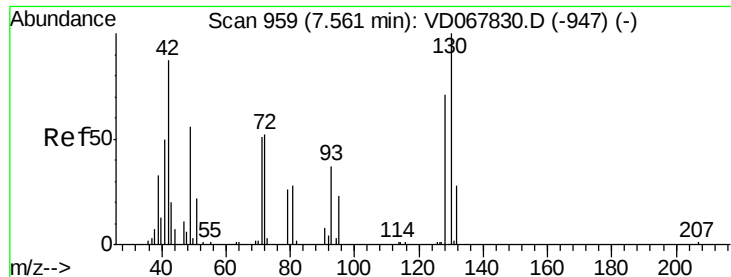
MMDadoda
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#28
 Bromochloromethane
 Concen: 20.668 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	3.4
130	126.5	110.2	165.2





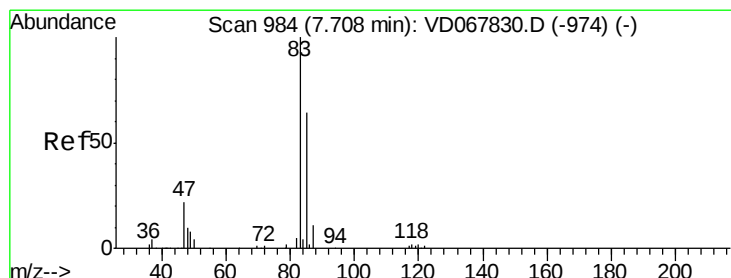
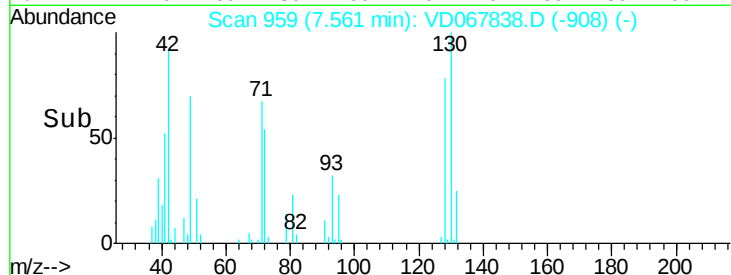
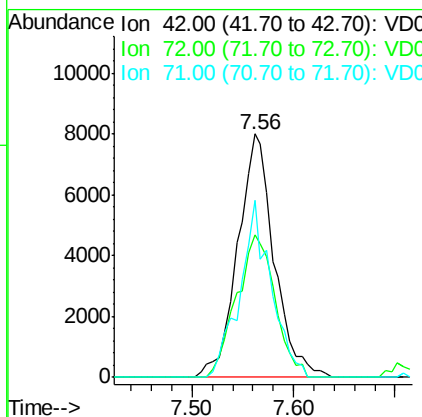
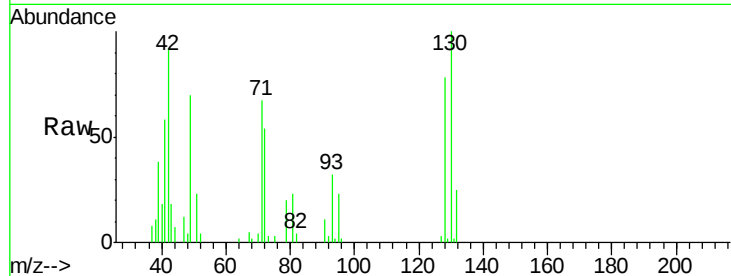
#29
Tetrahydrofuran
Concen: 105.108 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	62.0	51.9	77.9
71	62.6	48.2	72.4

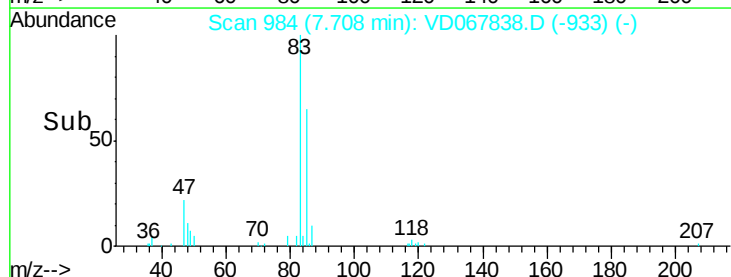
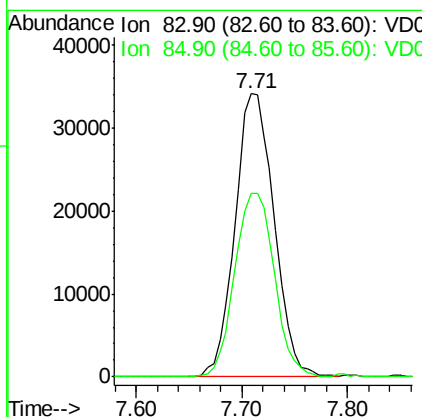
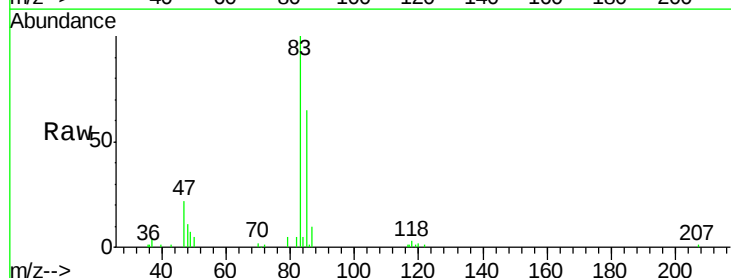
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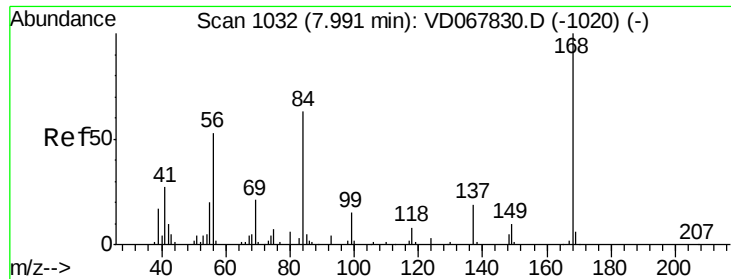
MMDadoda
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#30
Chloroform
Concen: 20.321 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.0	76.4





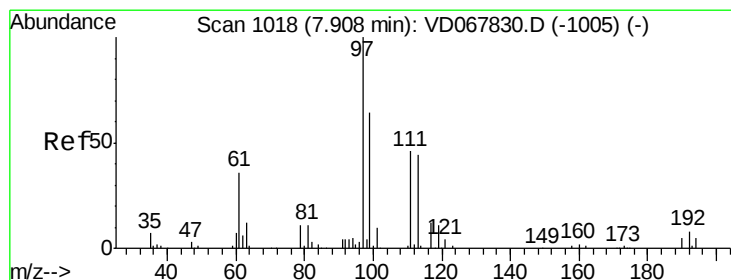
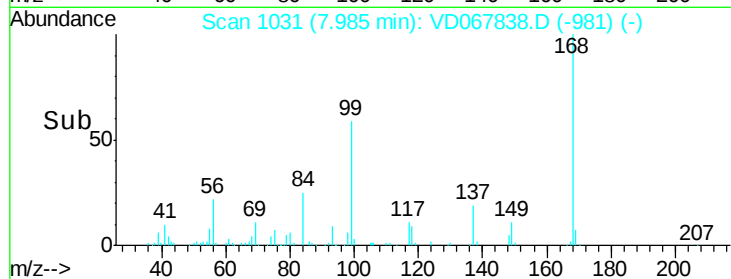
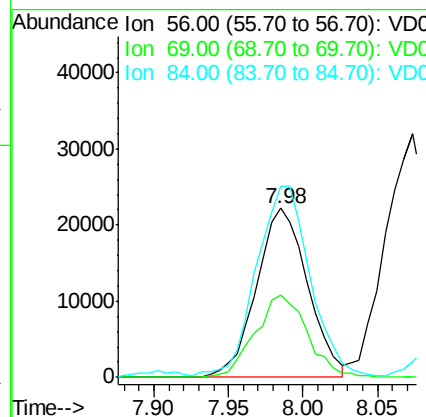
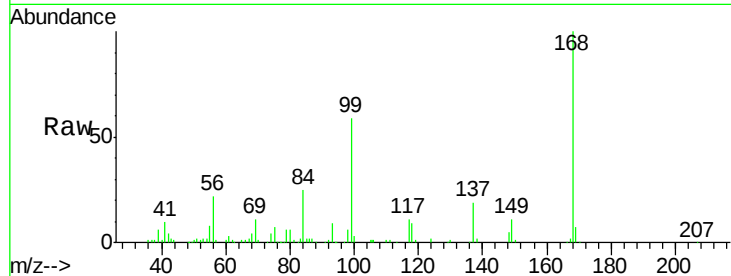
#31
Cyclohexane
Concen: 19.637 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.1	32.1	48.1#
84	111.8	93.2	139.8

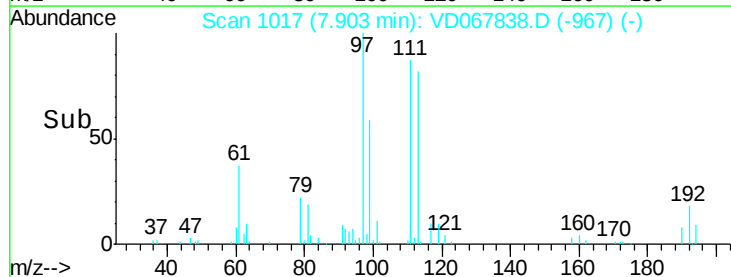
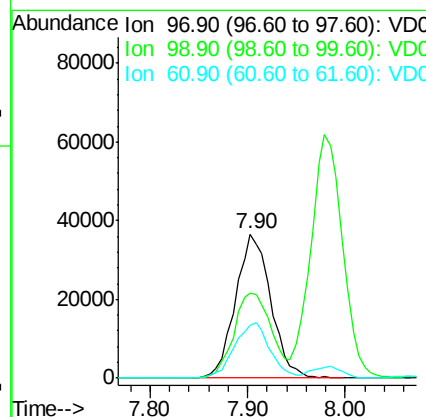
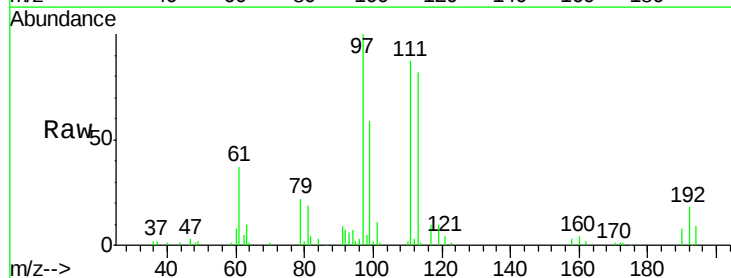
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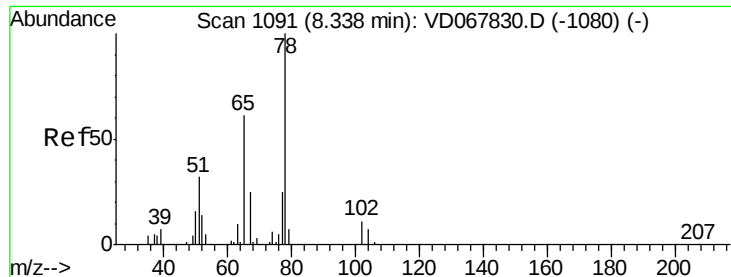
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#32
1,1,1-Trichloroethane
Concen: 20.107 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	38.6	30.8	46.2





#33

1,2-Dichloroethane-d4

Concen: 48.736 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 65 Resp: 124885

Ion Ratio Lower Upper

65 100

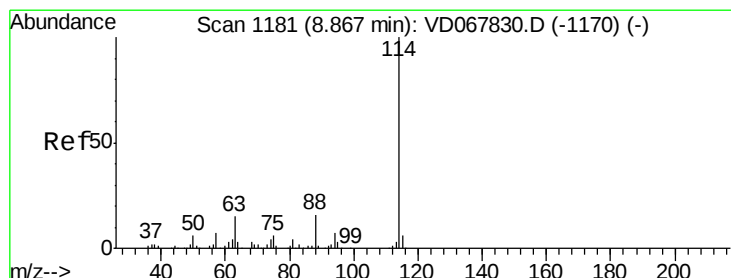
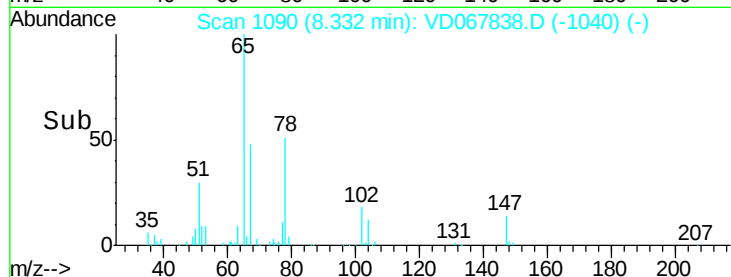
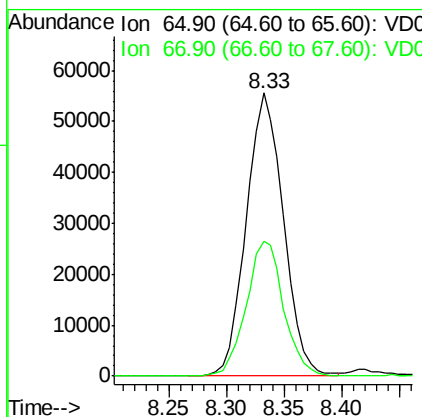
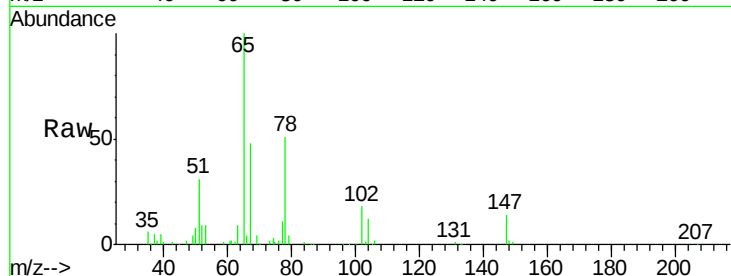
67 47.8 0.0 92.0

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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: VD067838.D

Acq: 02 Dec 2020 16:27

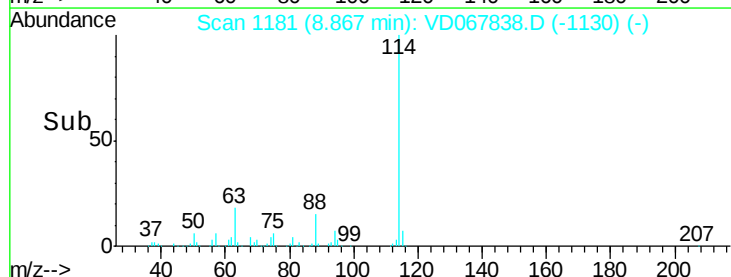
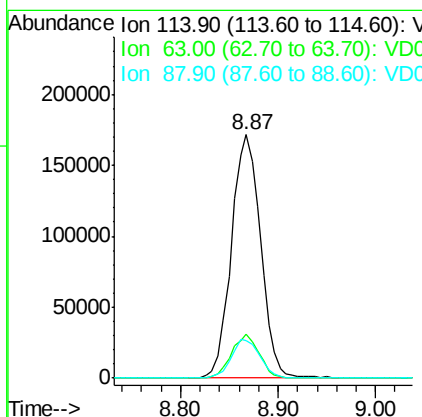
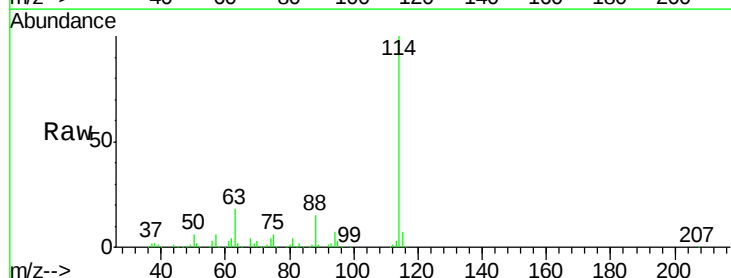
Tgt Ion: 114 Resp: 356663

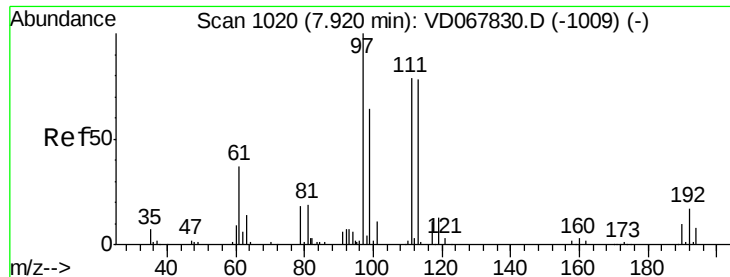
Ion Ratio Lower Upper

114 100

63 17.8 0.0 30.8

88 15.5 0.0 31.8





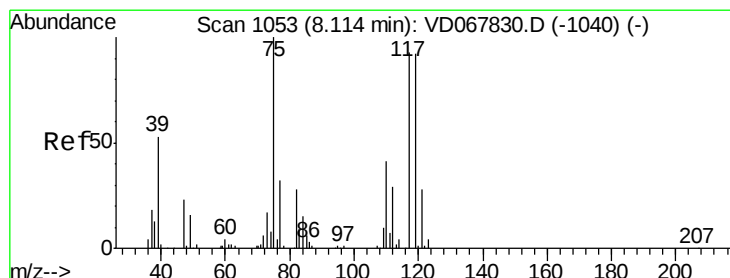
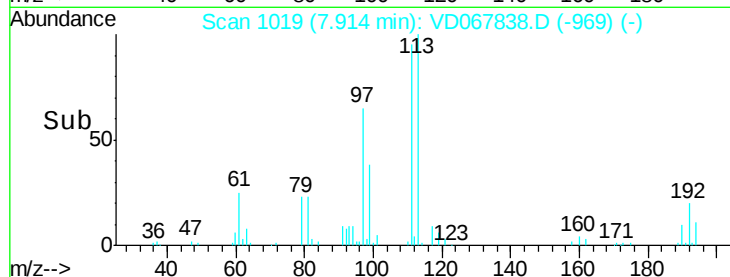
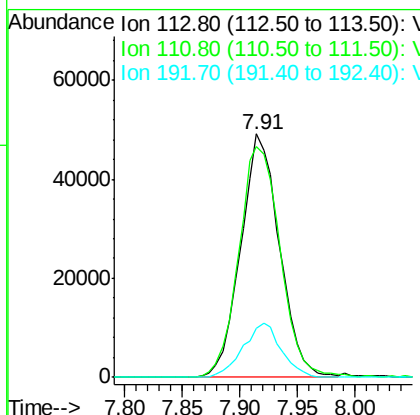
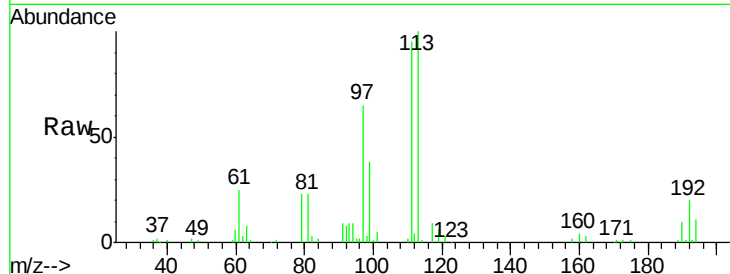
#35
Dibromofluoromethane
Concen: 47.989 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114529		
111	102.3	81.2	121.8	
192	22.0	16.8	25.2	

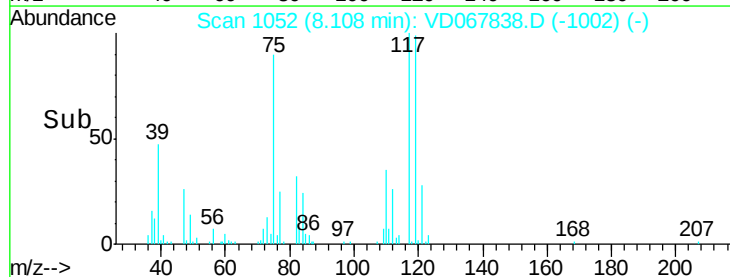
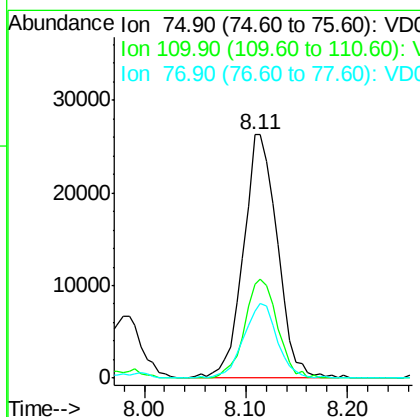
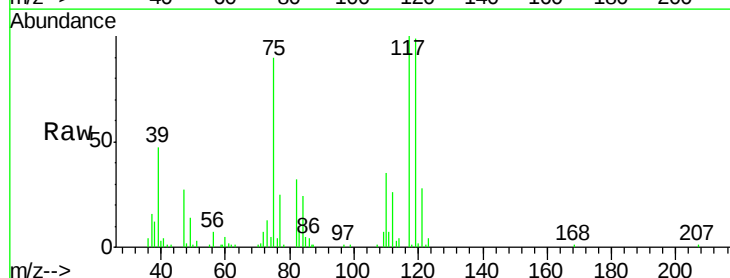
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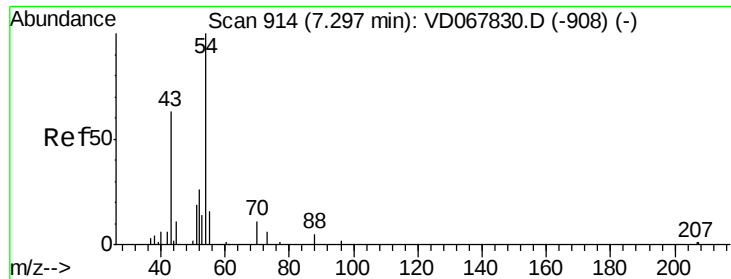
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#36
1,1-Dichloropropene
Concen: 19.896 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	61431		
110	38.8	20.3	61.0	
77	30.2	24.7	37.1	





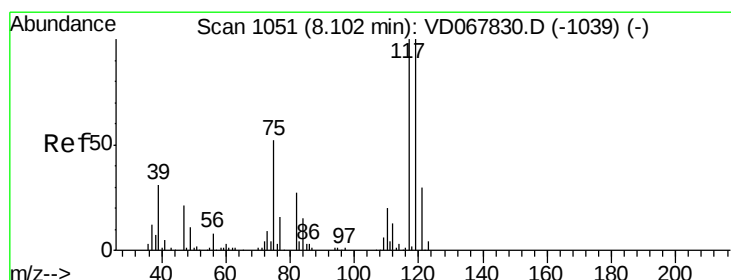
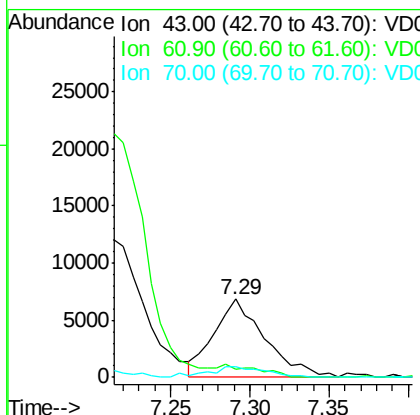
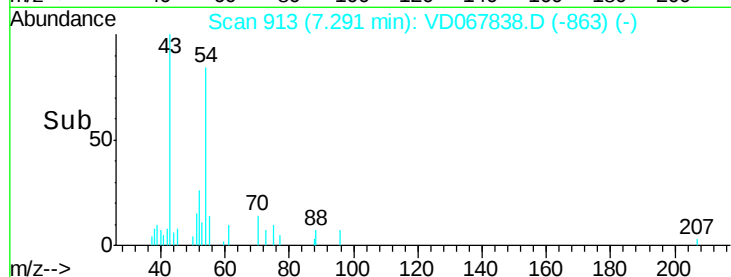
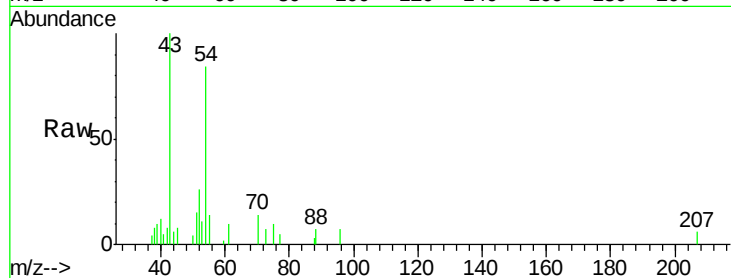
#37
Ethyl Acetate
Concen: 18.463 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.4	17.2#
70	15.4	11.5	17.3

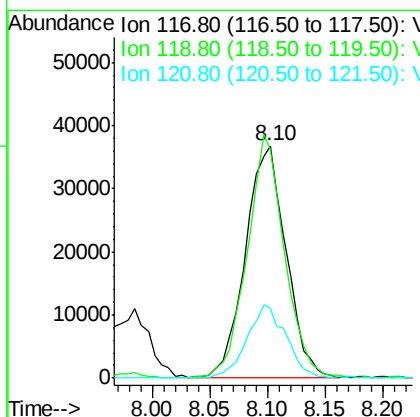
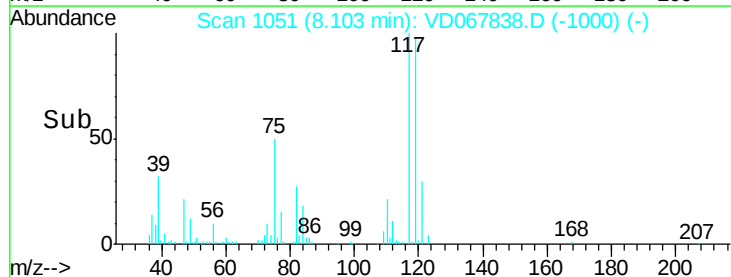
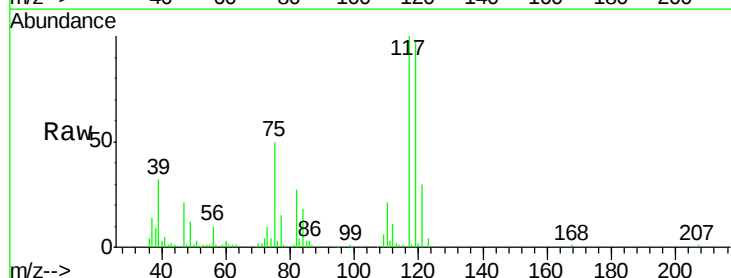
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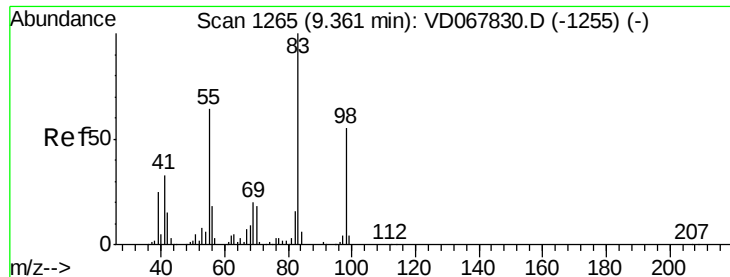
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#38
Carbon Tetrachloride
Concen: 19.397 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.3	79.7	119.5
121	30.0	23.8	35.6





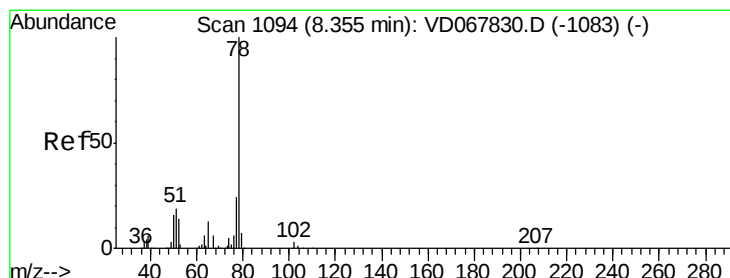
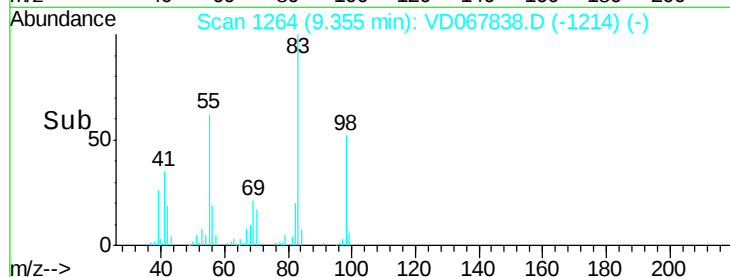
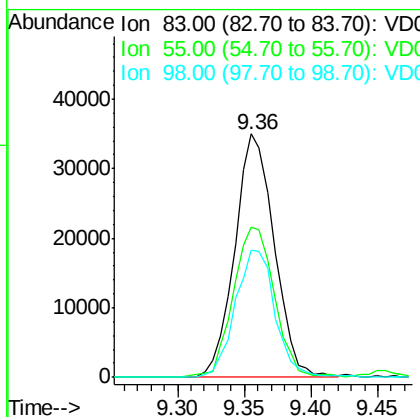
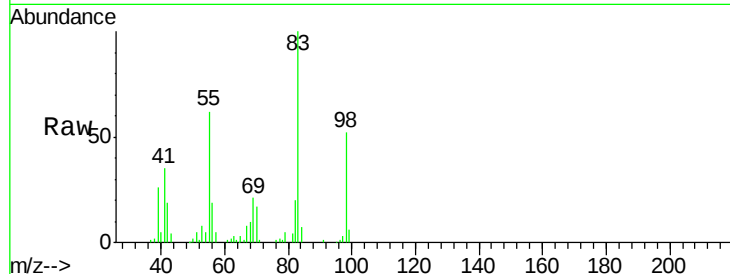
#39
Methvlcvclohexane
Concen: 19.591 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.2	51.6	77.4
98	52.3	44.3	66.5

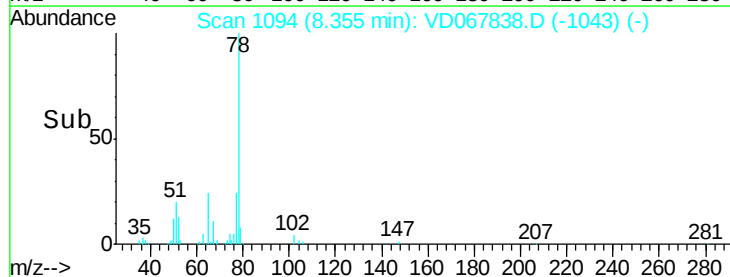
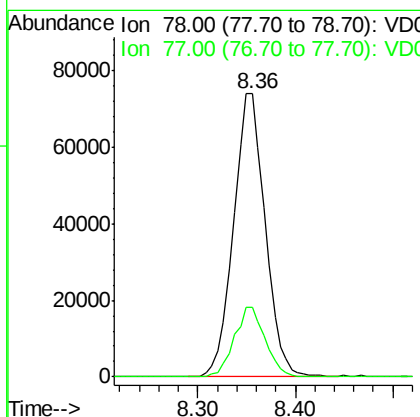
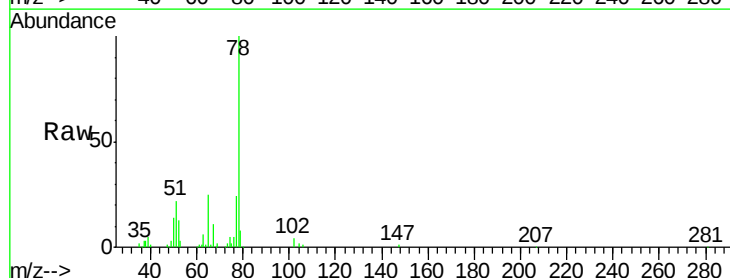
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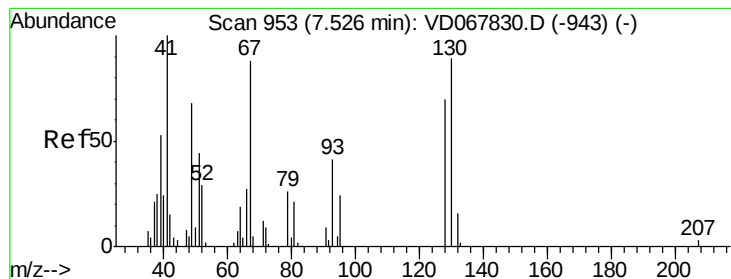
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#40
Benzene
Concen: 19.742 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.1	28.7





#41

Methacrylonitrile

Concen: 16.409 ug/l m

RT: 7.51 min Scan# 951

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 41 Resp: 7673

Ion Ratio Lower Upper

41 100

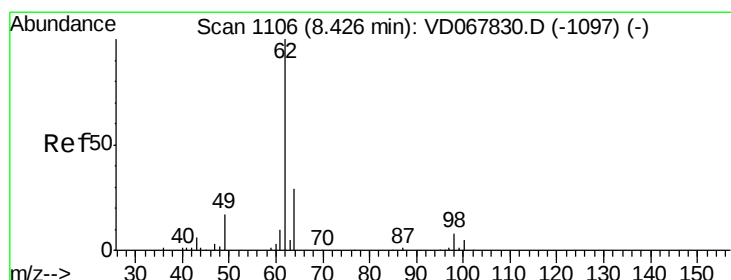
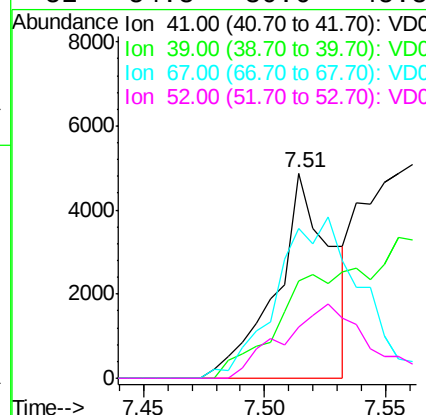
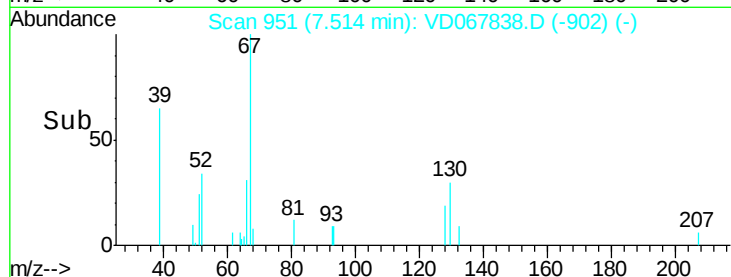
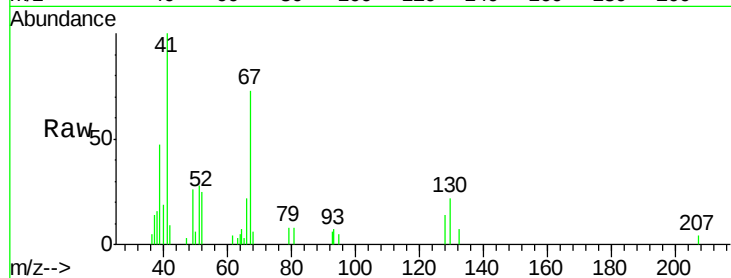
39 0.0 42.1 63.1#

67 119.6 82.4 123.6

52 54.8 30.6 45.8#

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#42

1,2-Dichloroethane

Concen: 20.038 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067838.D

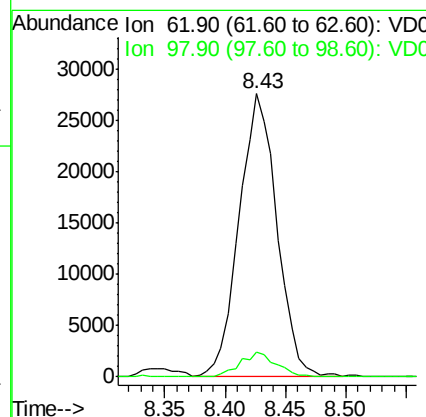
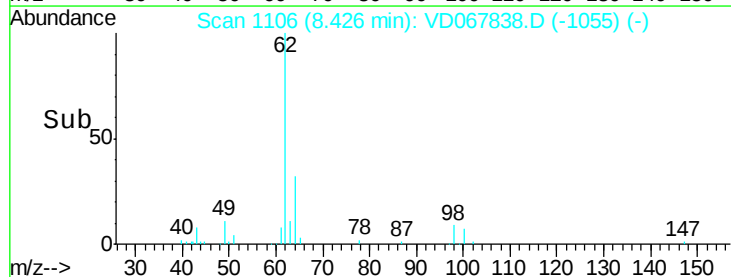
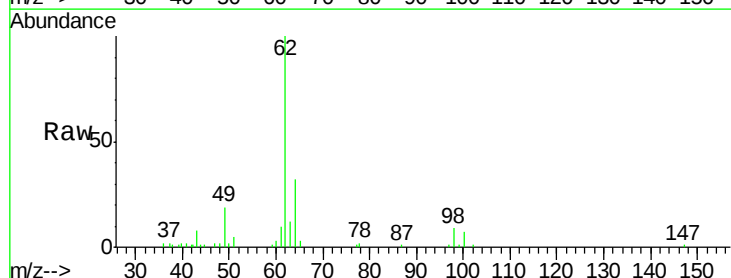
Acq: 02 Dec 2020 16:27

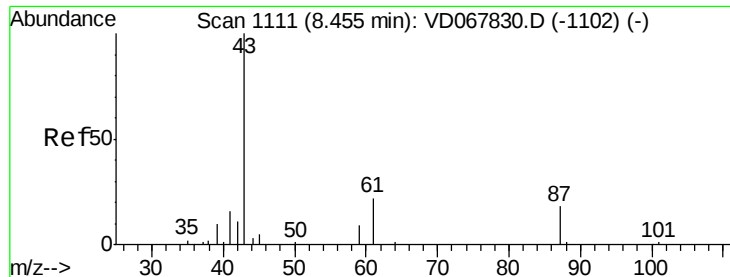
Tgt Ion: 62 Resp: 60338

Ion Ratio Lower Upper

62 100

98 8.2 0.0 17.2





#43

Isopropyl Acetate

Concen: 19.126 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

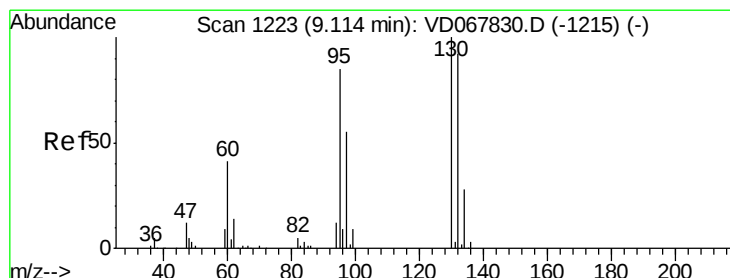
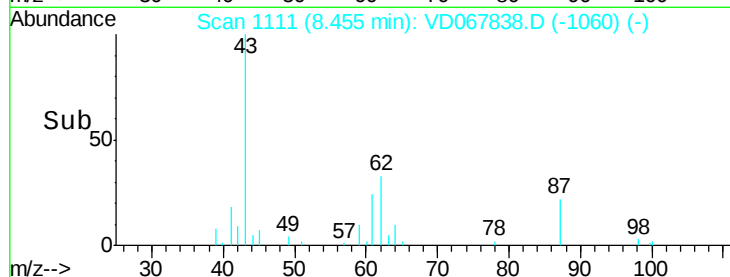
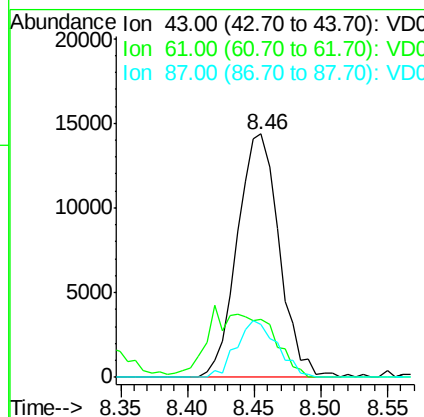
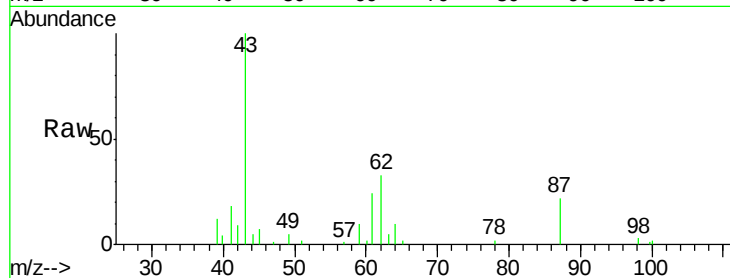
ClientSampleId :

VD1202SBS01

Tot Ion:	43	Resp:	31317
Ion Ratio	Lower	Upper	
43	100		
61	0.0	30.4	45.6#
87	22.7	16.2	24.2

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#44

Trichloroethene

Concen: 19.623 ug/l

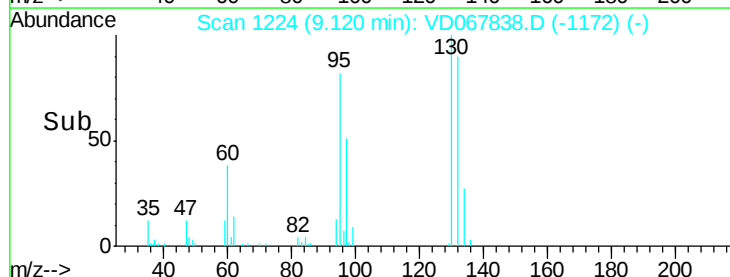
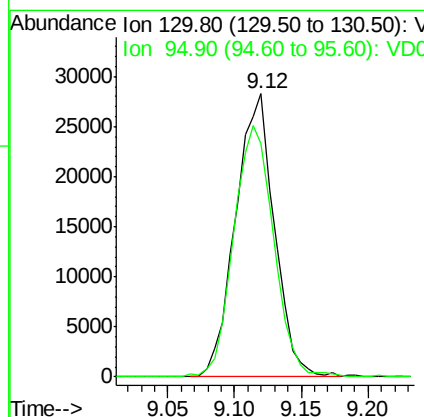
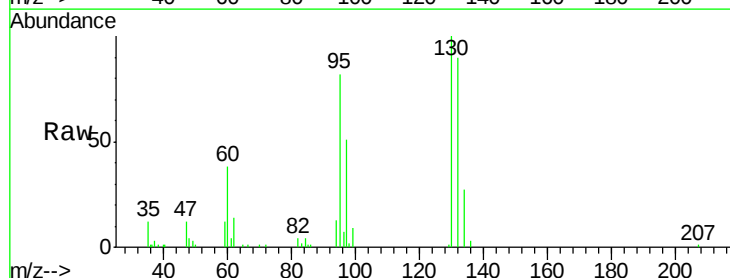
RT: 9.12 min Scan# 1224

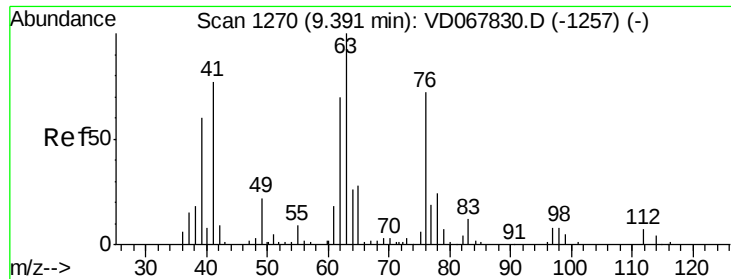
Delta R.T. 0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Tgt Ion:	130	Resp:	57001
Ion Ratio	Lower	Upper	
130	100		
95	81.9	0.0	170.2





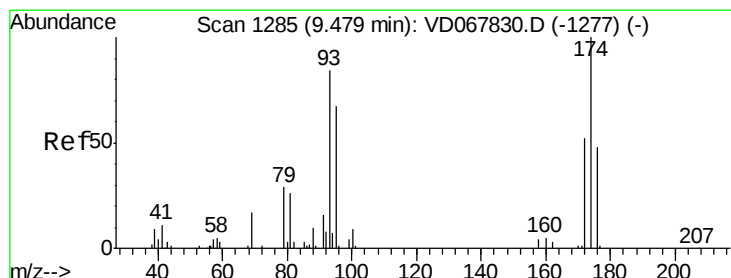
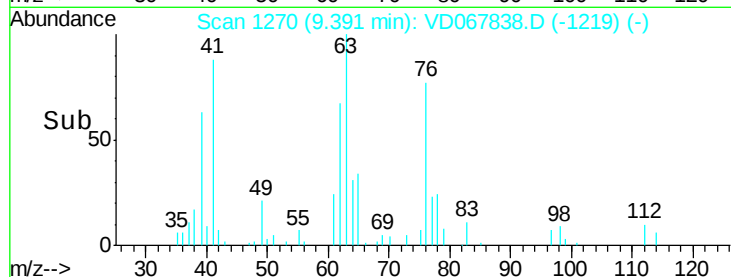
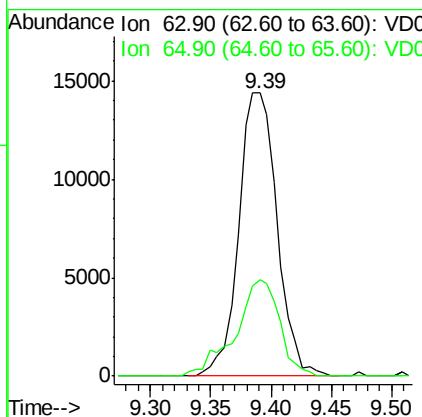
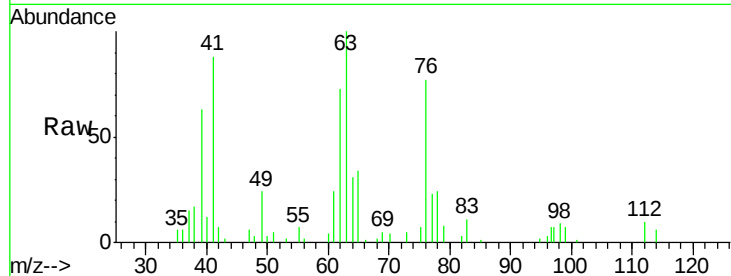
#45
 1,2-Dichloropropane
 Concen: 18.373 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	34.1	22.8	34.2

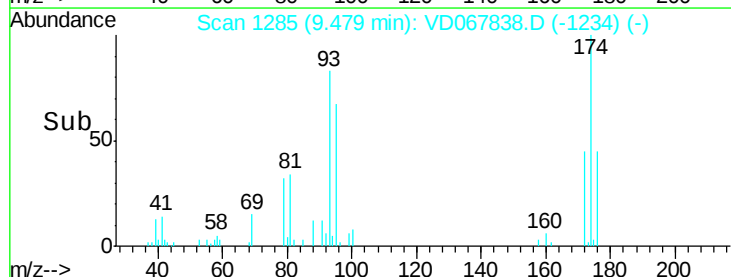
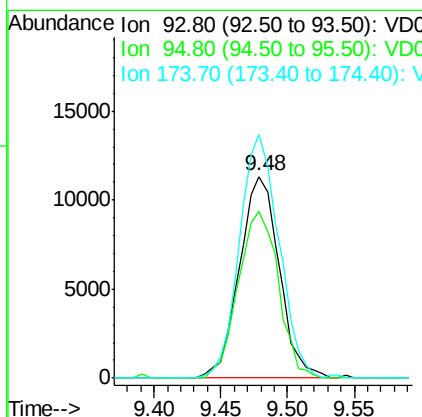
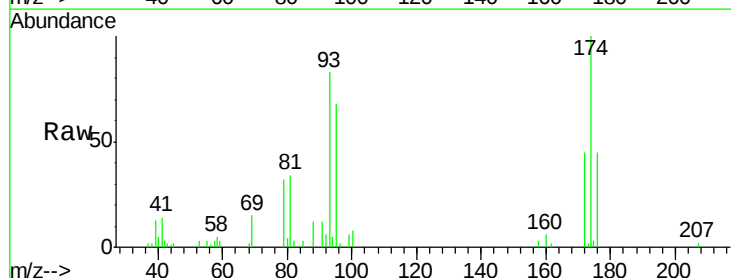
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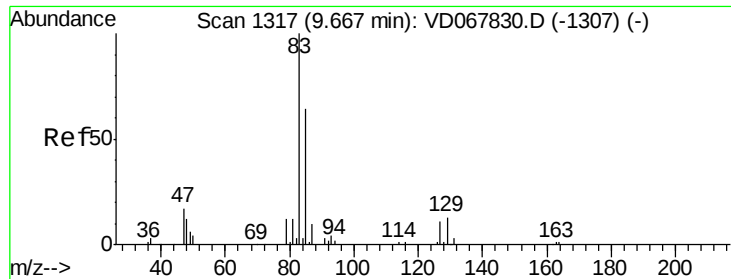
MMDadoda
 12/3/2020 9:56:36 AM



#46
 Dibromomethane
 Concen: 19.329 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	64.2	96.4
174	120.1	91.5	137.3





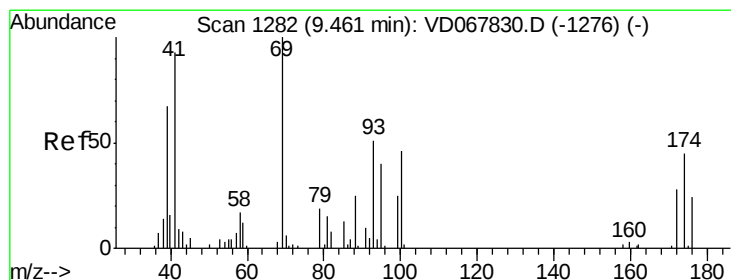
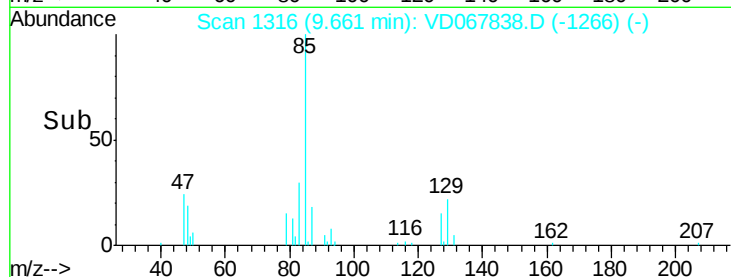
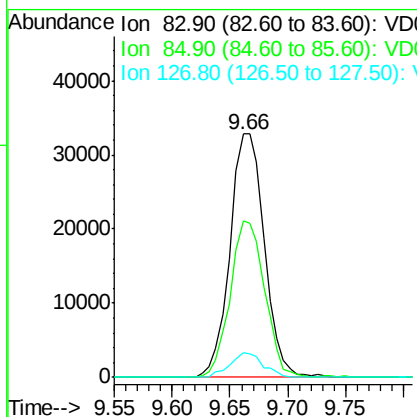
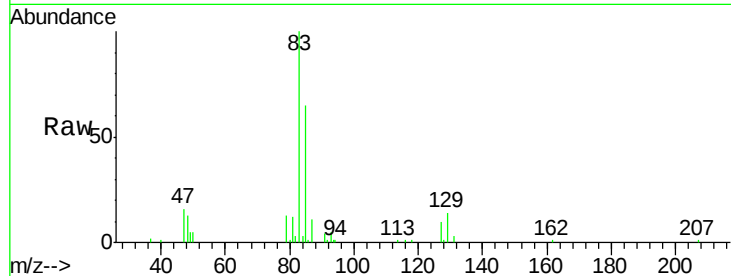
#47
Bromodichloromethane
Concen: 19.729 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0
127	9.9	8.5	12.7

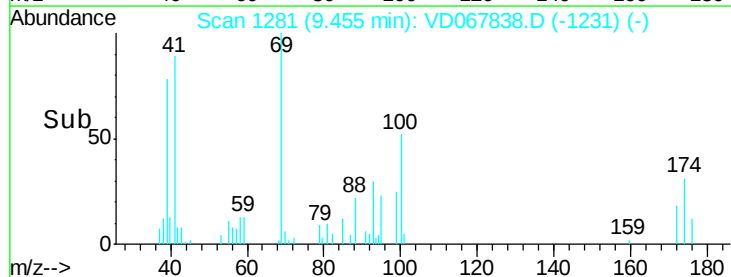
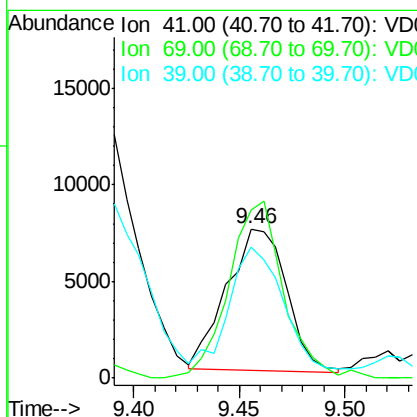
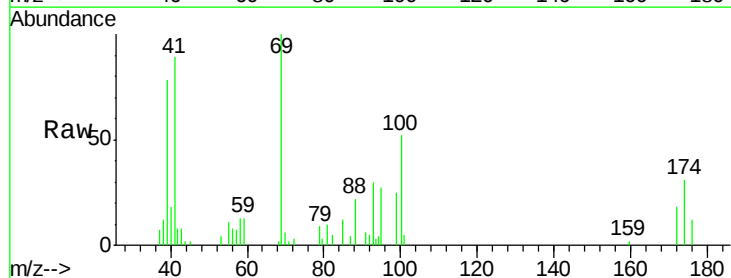
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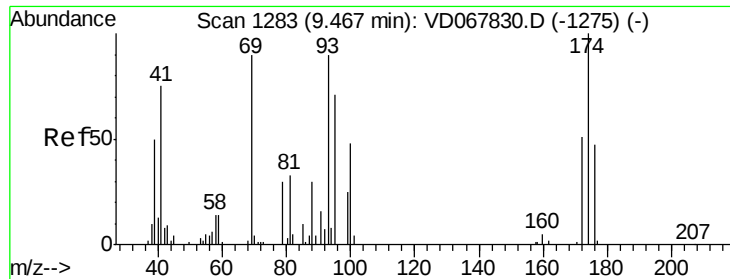
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#48
Methyl methacrylate
Concen: 17.233 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
41	100		
69	115.5	87.6	131.4
39	77.9	61.2	91.8





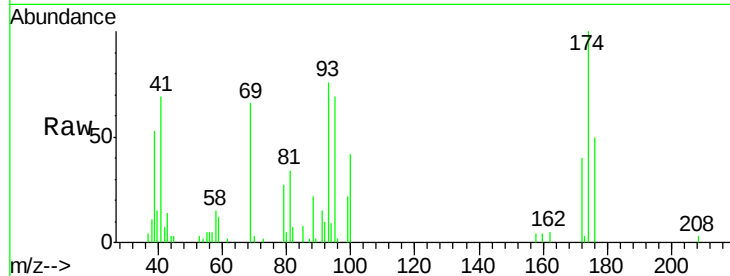
#49
1,4-Dioxane
Concen: 350.390 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.2	30.1	45.1
58	57.6	42.4	63.6

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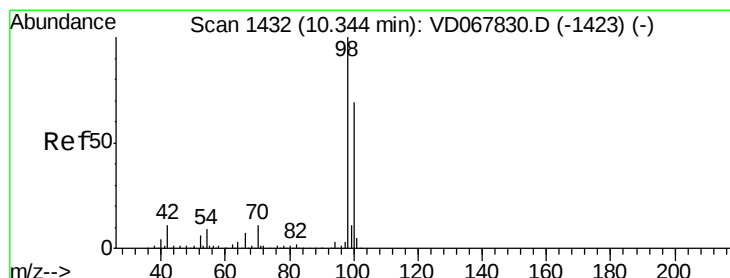
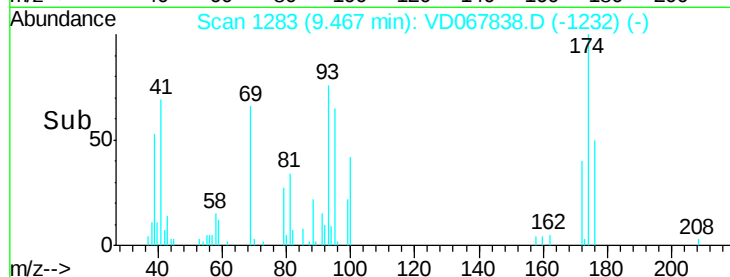
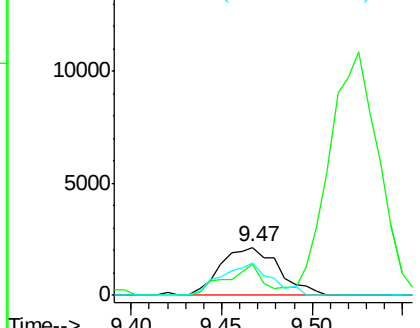


Abundance

Ion 88.00 (87.70 to 88.70): VDC

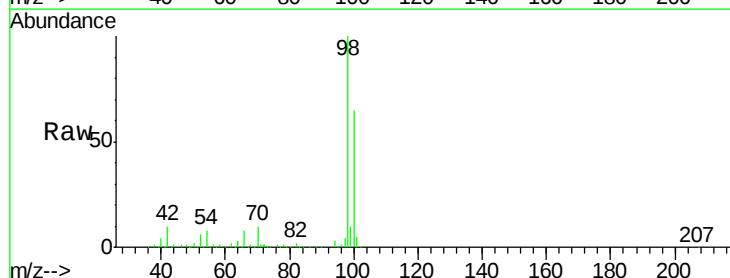
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 48.818 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

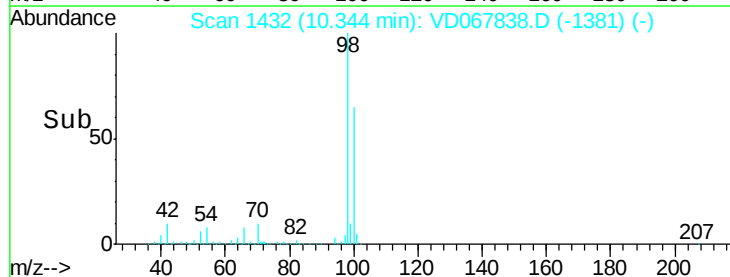
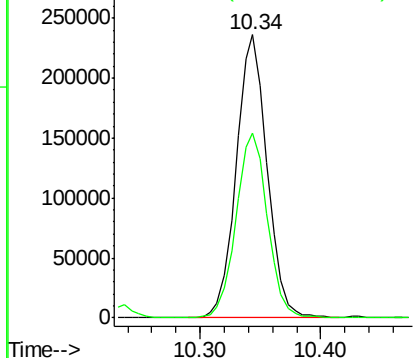
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.9	79.3

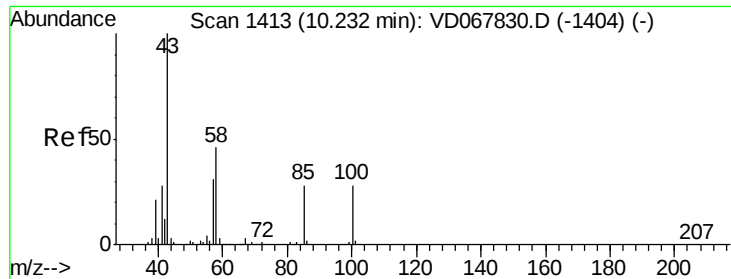


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





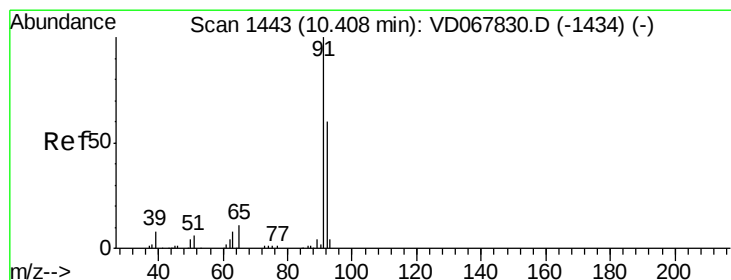
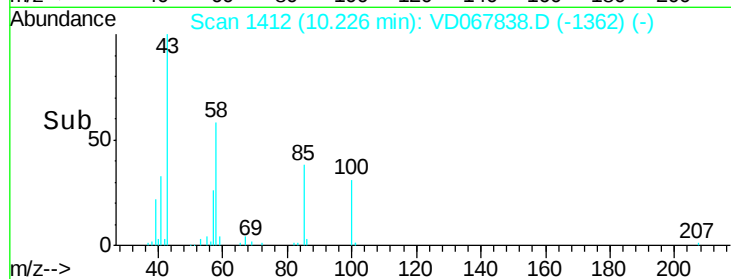
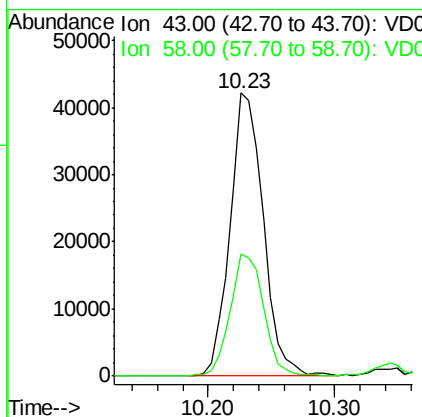
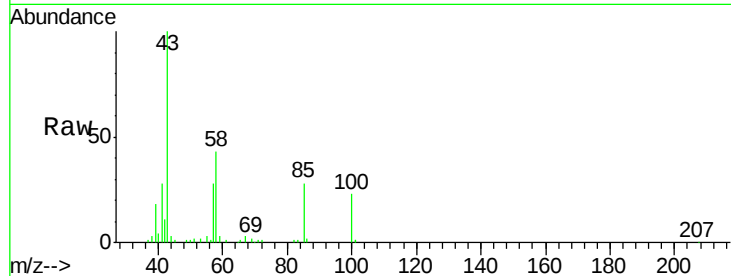
#51
4-Methyl-2-Pentanone
Concen: 98.610 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion: 43 Resp: 76417
Ion Ratio Lower Upper
43 100
58 43.4 35.7 53.5

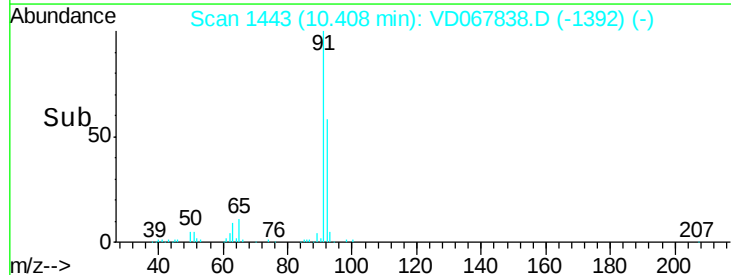
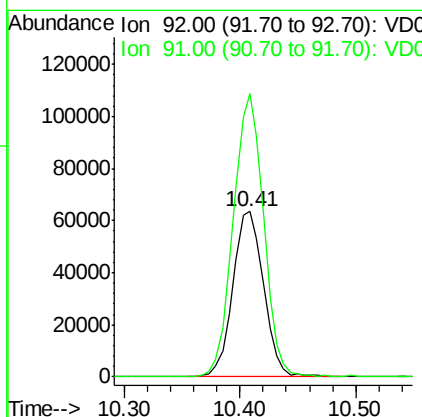
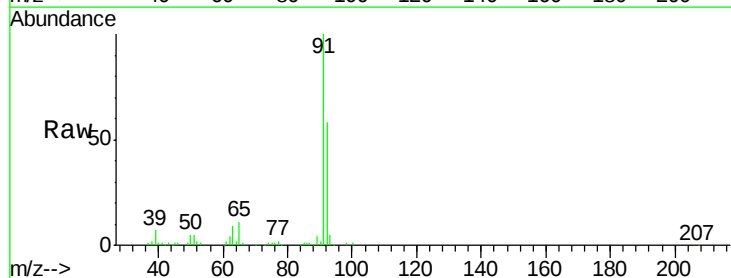
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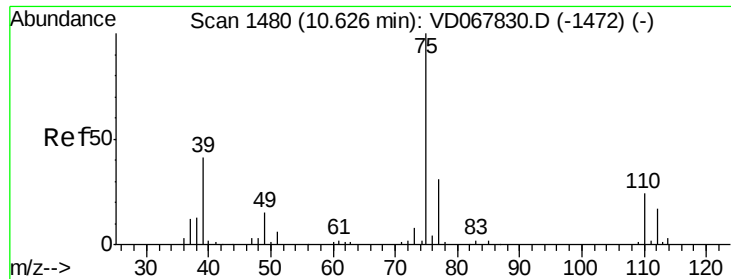
MMDadoda
12/3/2020 9:56:36 AM



#52
Toluene
Concen: 19.847 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion: 92 Resp: 117232
Ion Ratio Lower Upper
92 100
91 168.9 134.2 201.2





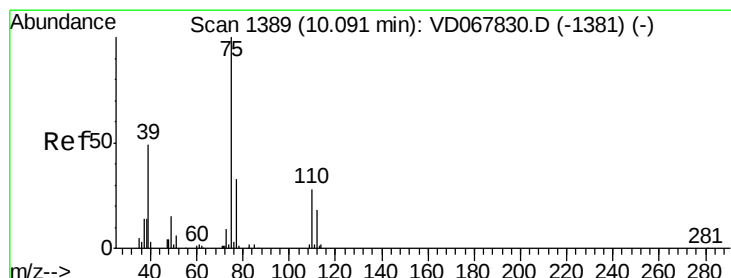
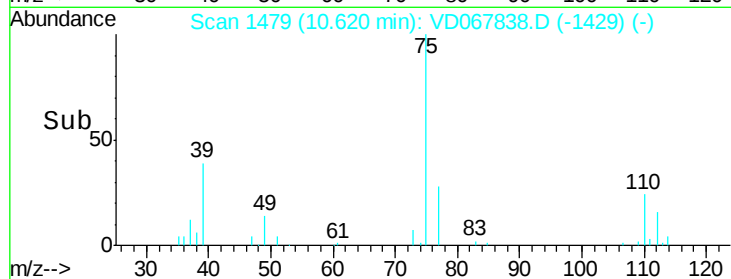
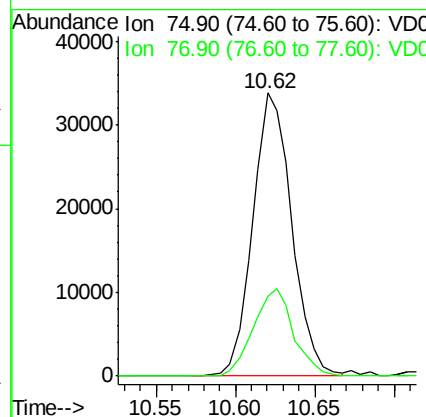
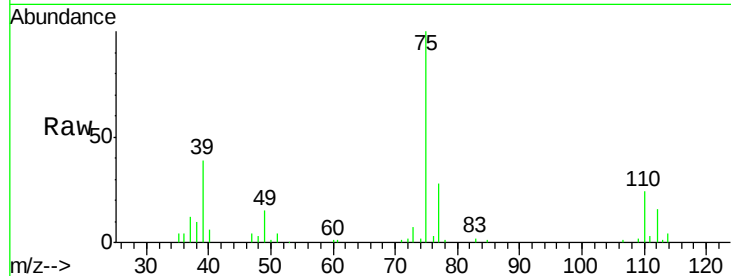
#53
t-1,3-Dichloropropene
Concen: 19.530 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.3	25.0	37.4

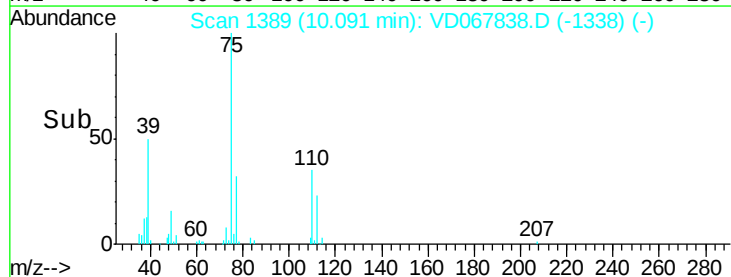
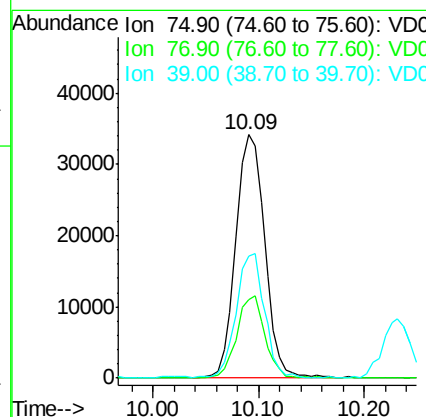
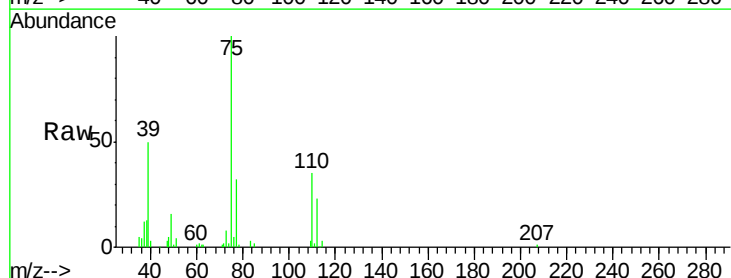
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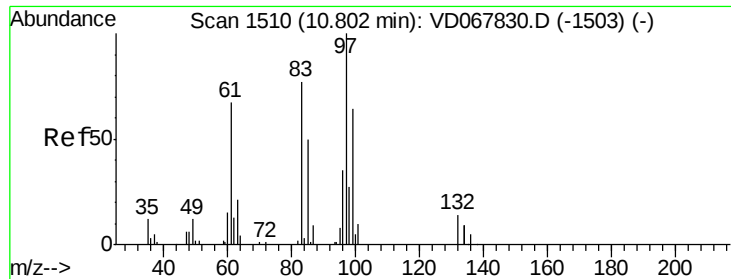
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.117 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.2	39.2
39	50.2	39.0	58.4





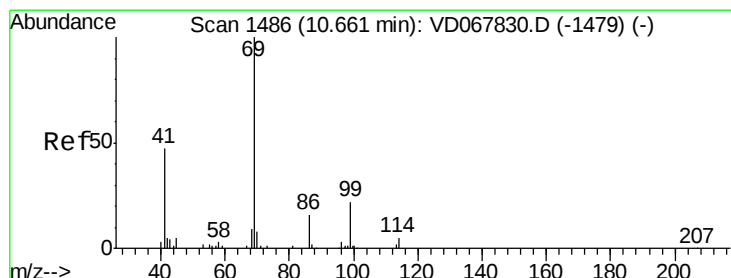
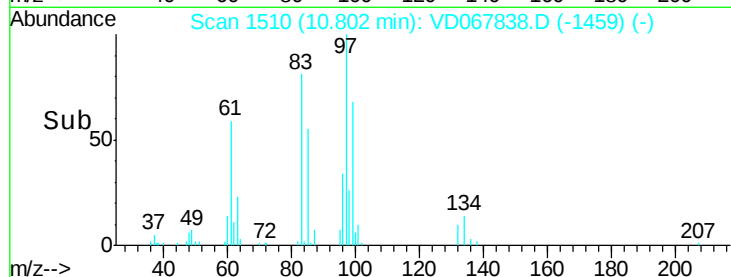
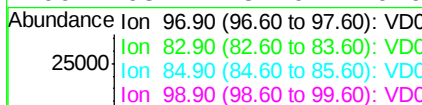
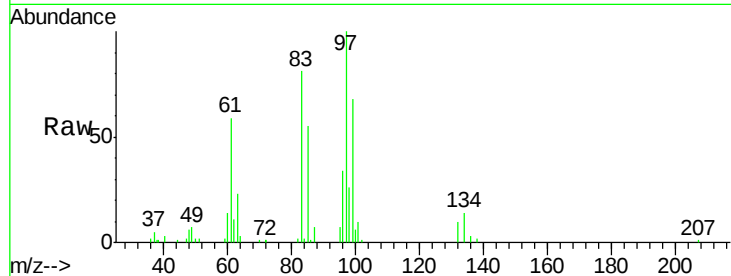
#55
 1,1,2-Trichloroethane
 Concen: 18.670 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBSD01

Tot Ion	97	Resp	30804
Ion	Ratio	Lower	Upper
97	100		
83	80.8	61.9	92.9
85	54.5	40.2	60.4
99	68.1	51.0	76.6

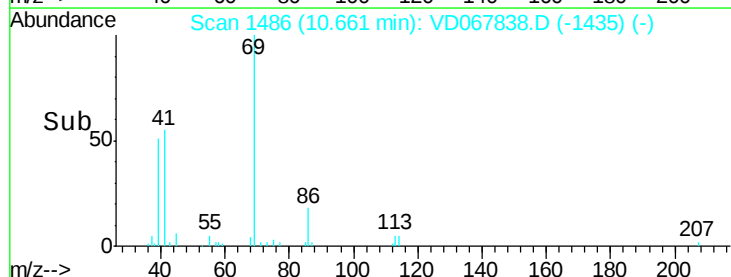
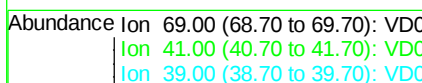
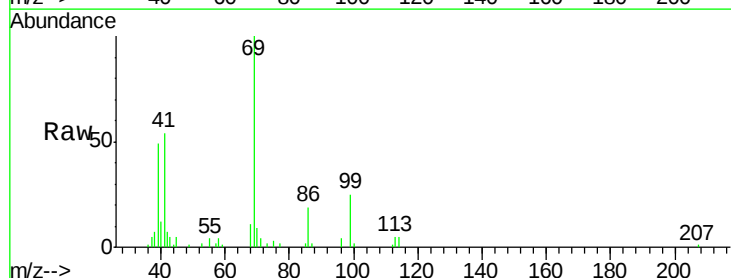
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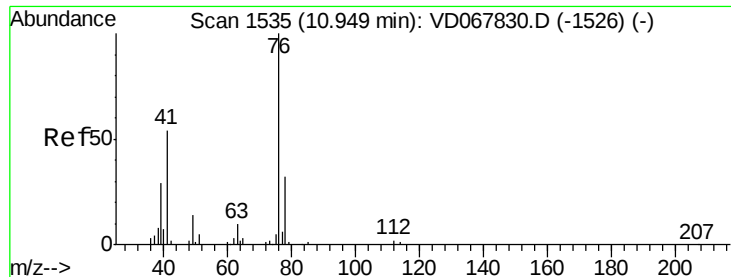
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#56
 Ethyl methacrylate
 Concen: 18.310 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Tgt Ion	69	Resp	30737
Ion	Ratio	Lower	Upper
69	100		
41	58.0	42.8	64.2
39	39.7	30.5	45.7





#57

1,3-Dichloropropane

Concen: 19.325 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 76 Resp: 50507

Ion Ratio Lower Upper

76 100

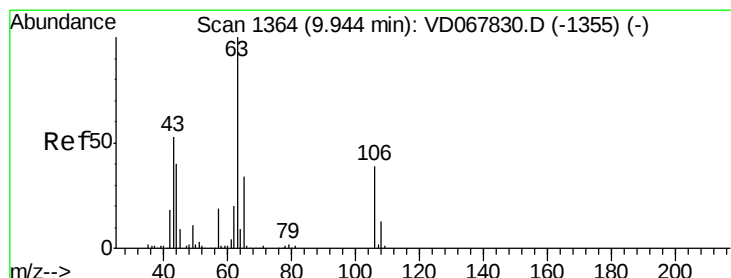
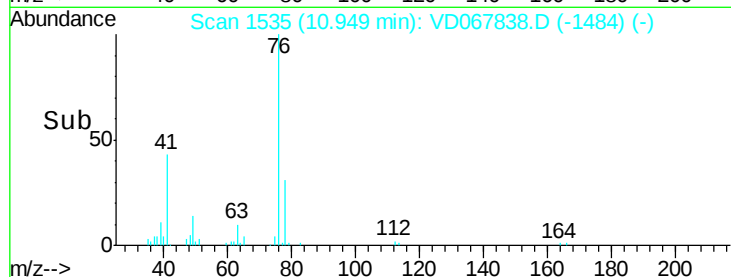
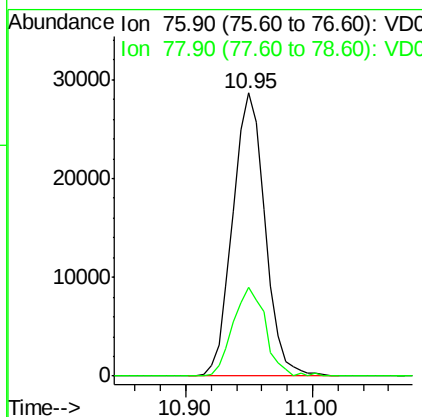
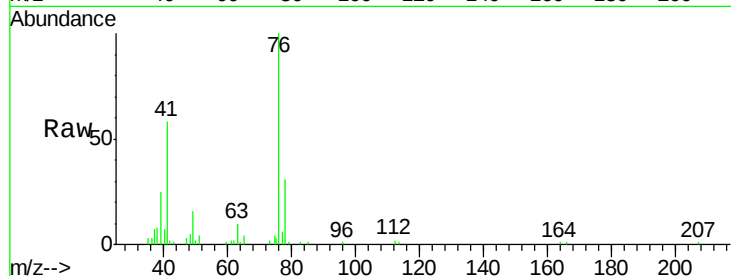
78 31.6 26.6 39.8

Manual Integrations

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12/3/2020 9:56:36 AM



#58

2-Chloroethyl Vinyl ether

Concen: 85.489 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067838.D

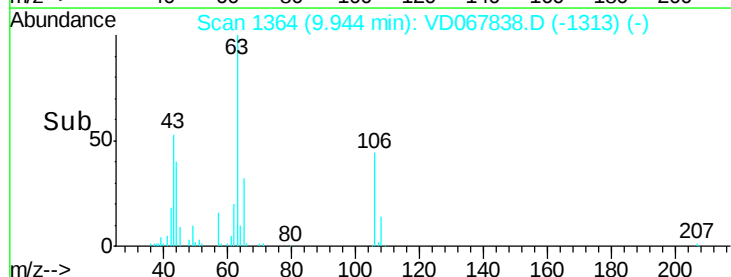
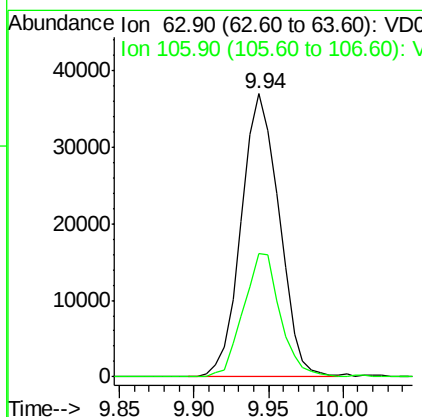
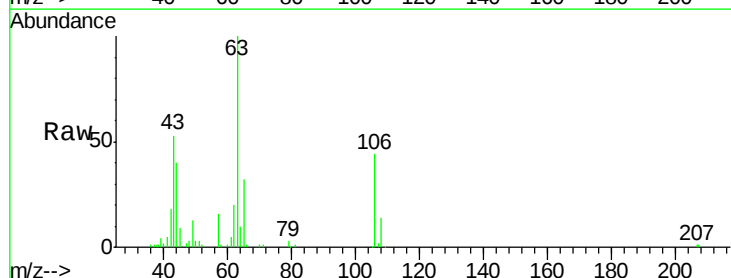
Acq: 02 Dec 2020 16:27

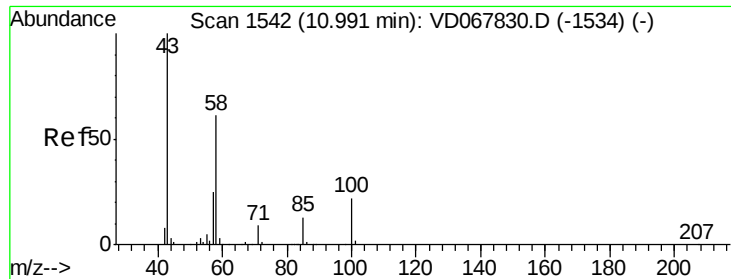
Tgt Ion: 63 Resp: 65302

Ion Ratio Lower Upper

63 100

106 42.2 32.0 48.0





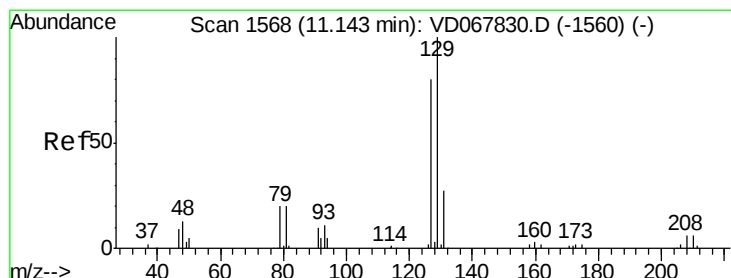
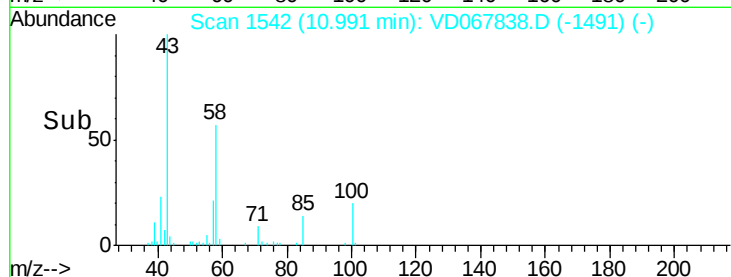
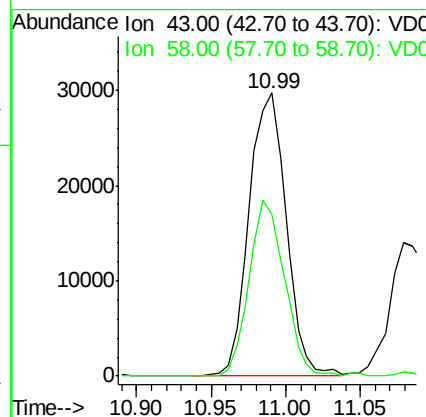
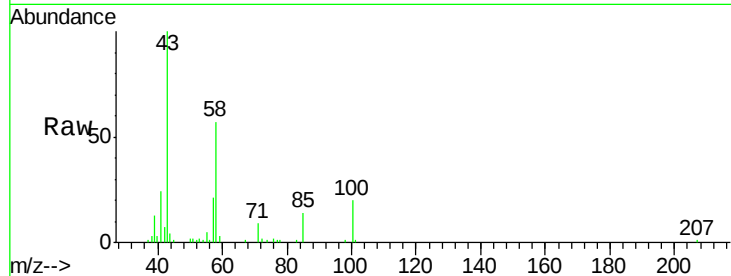
#59
2-Hexanone
Concen: 93.686 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBSD01

Tot Ion: 43 Resp: 51180
Ion Ratio Lower Upper
43 100
58 59.2 29.9 89.7

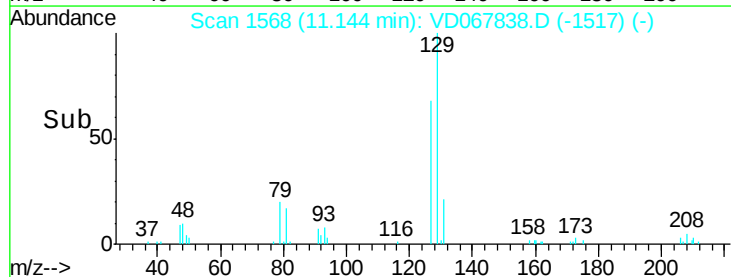
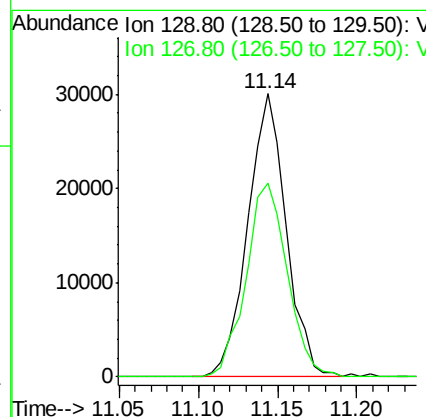
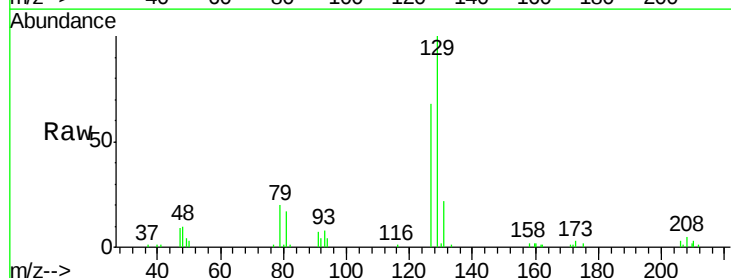
Manual Integrations
APPROVED

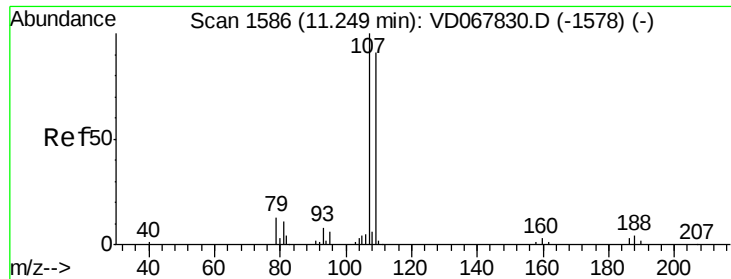
MMDadoda
12/3/2020 9:56:36 AM



#60
Dibromochloromethane
Concen: 20.320 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion: 129 Resp: 50537
Ion Ratio Lower Upper
129 100
127 73.4 39.2 117.6





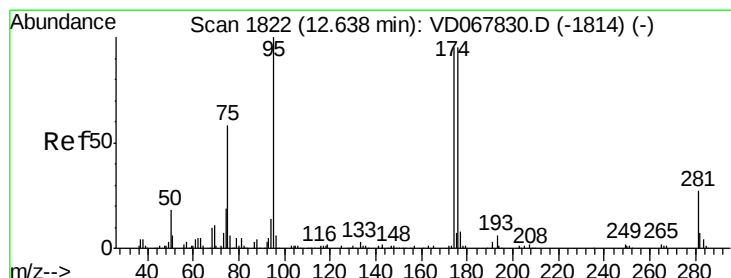
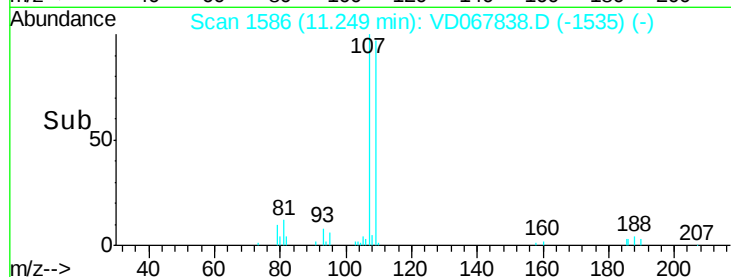
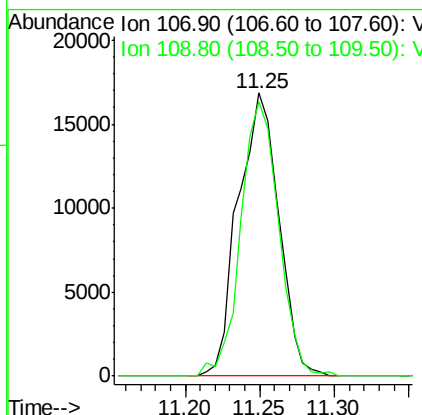
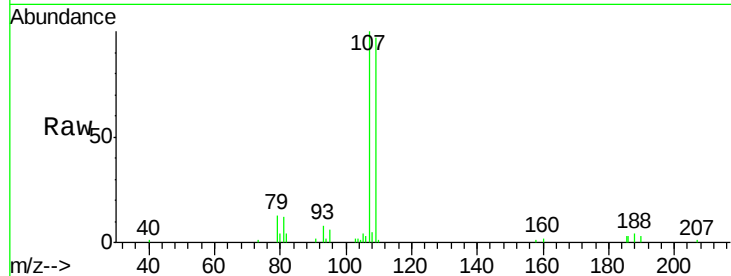
#61
 1,2-Dibromoethane
 Concen: 19.644 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.1	75.9	113.9

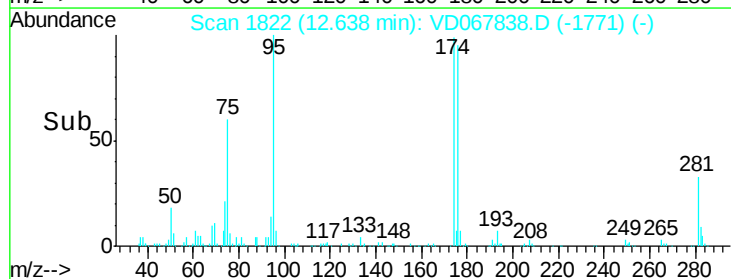
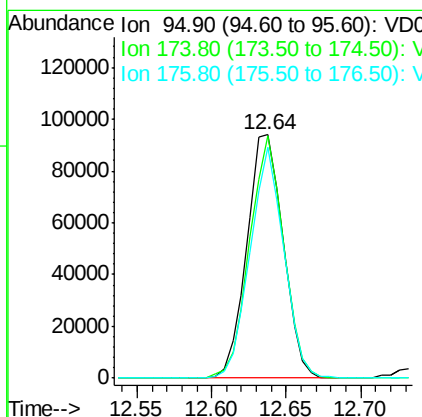
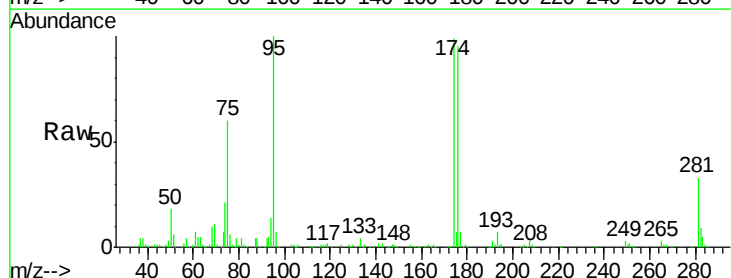
Manual Integrations
 APPROVED

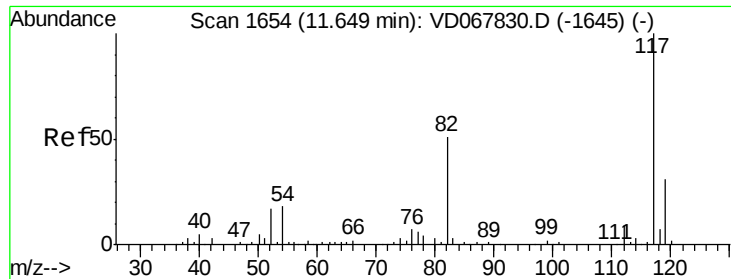
MMDadoda
 12/3/2020 9:56:36 AM



#62
 4-Bromofluorobenzene
 Concen: 53.152 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	186.0
176	88.1	0.0	184.2





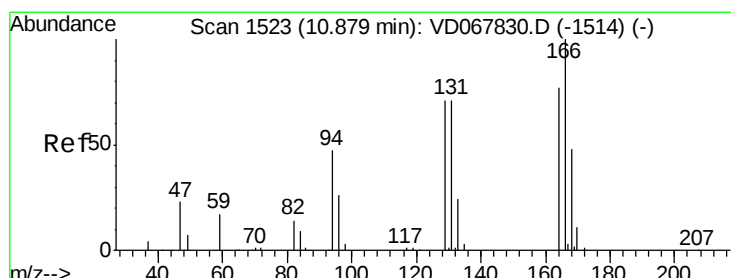
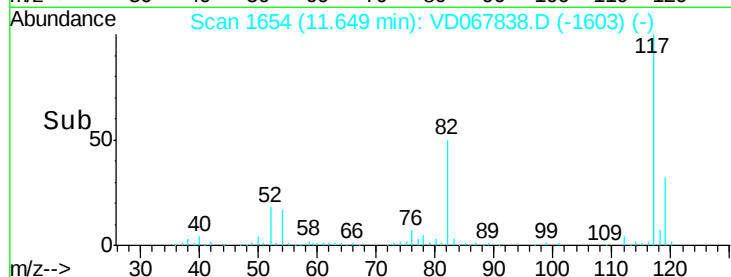
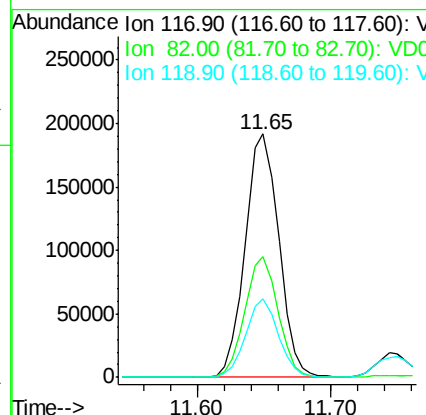
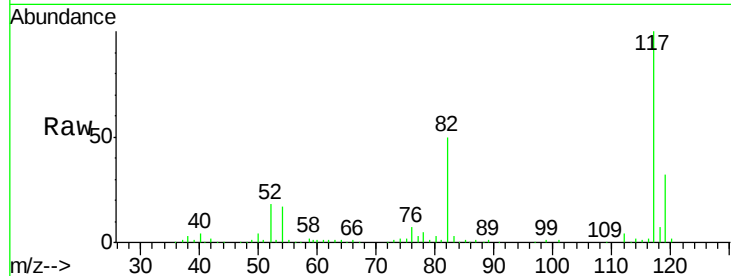
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.7	40.6	60.8
119	32.3	25.1	37.7

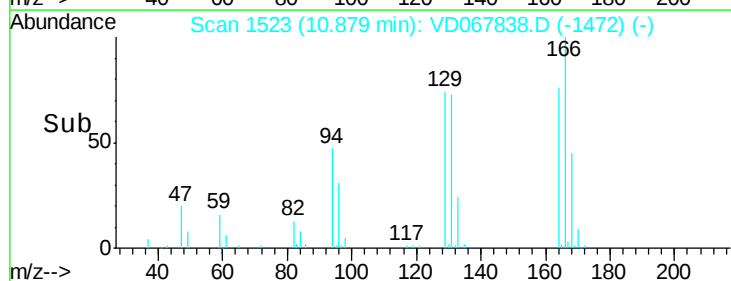
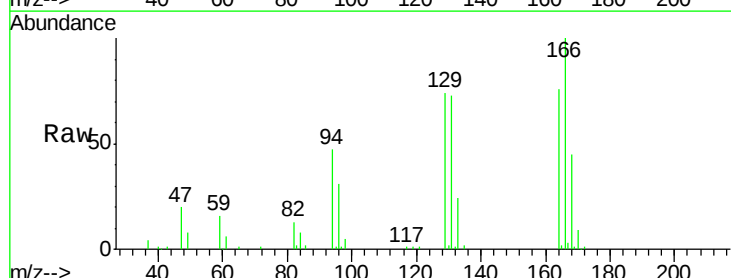
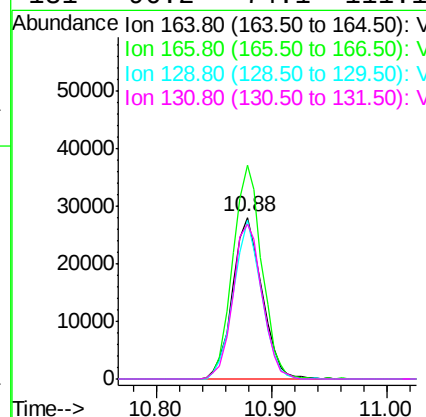
Manual Integrations
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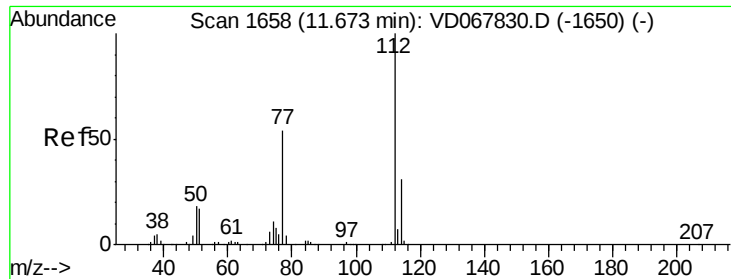
MMDadoda
12/3/2020 9:56:36 AM



#64
Tetrachloroethene
Concen: 18.248 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.2	103.8	155.6
129	98.2	73.3	109.9
131	96.2	74.1	111.1





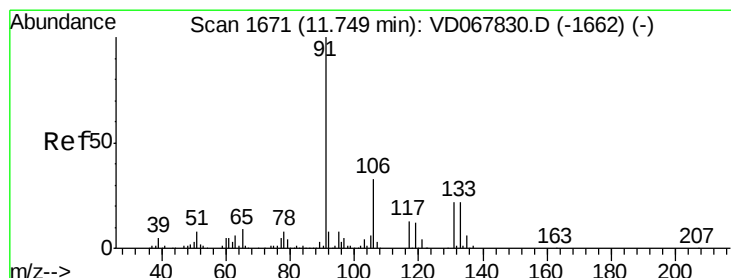
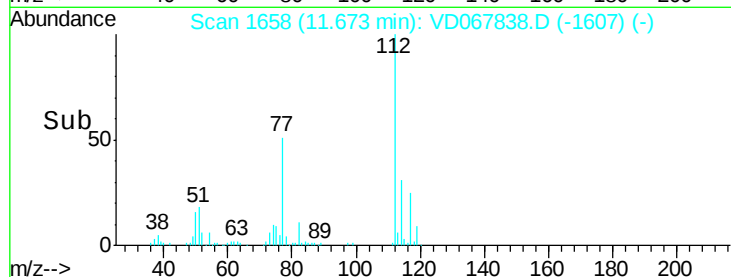
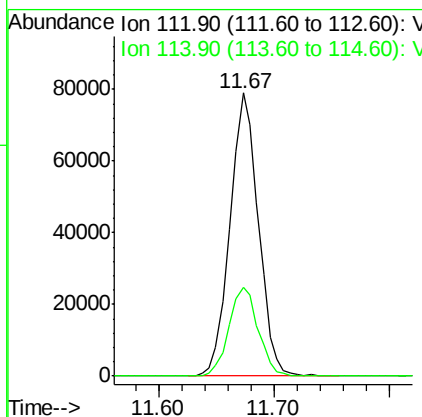
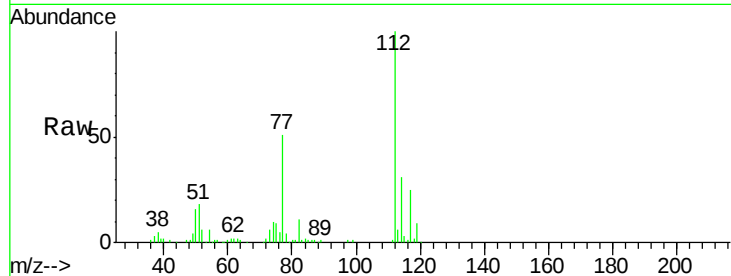
#65
Chlorobenzene
Concen: 19.469 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.4

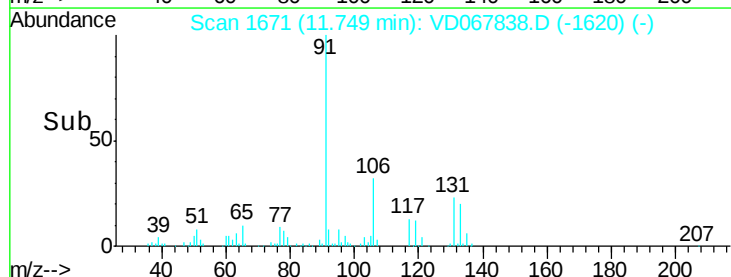
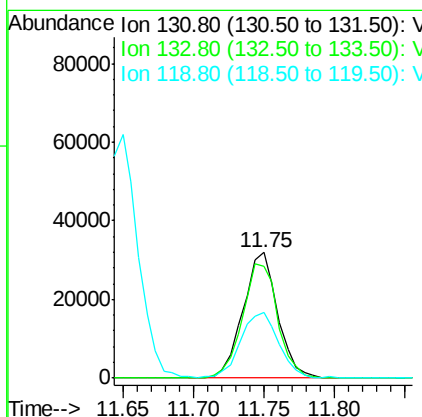
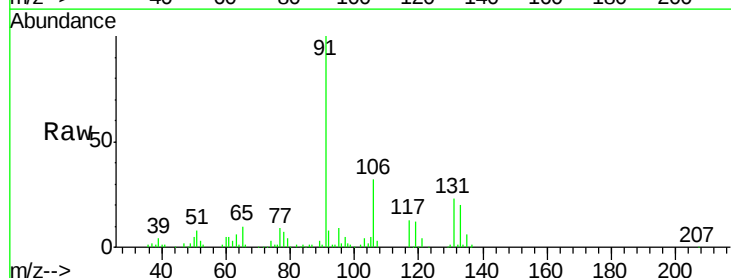
Manual Integrations
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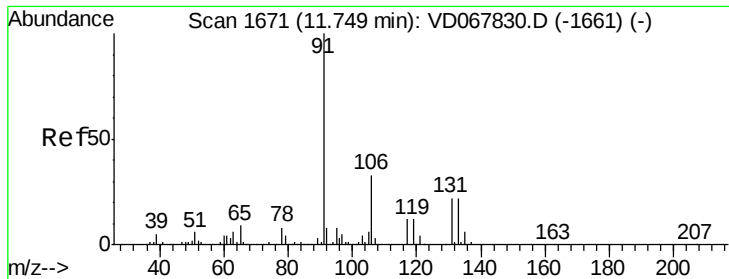
MMDadoda
12/3/2020 9:56:36 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.517 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.8	49.9	149.7
119	57.5	29.6	88.9





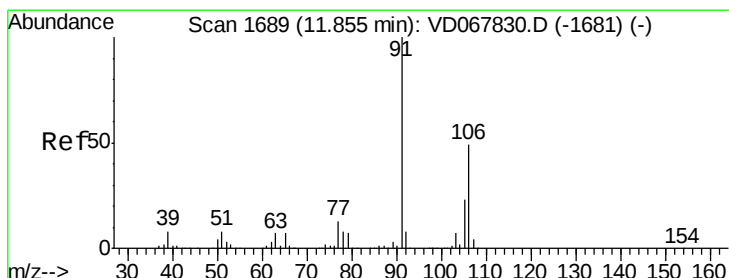
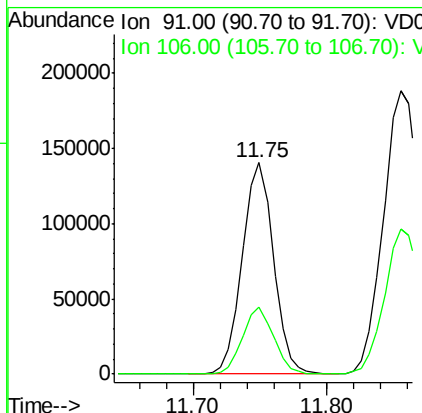
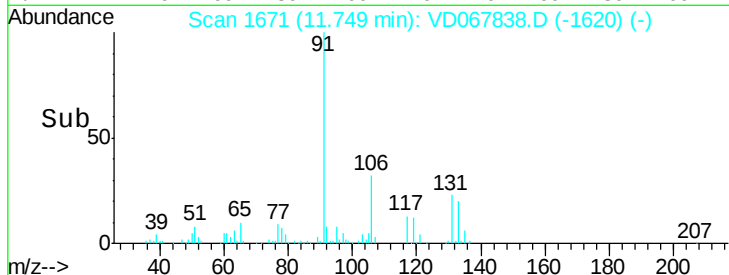
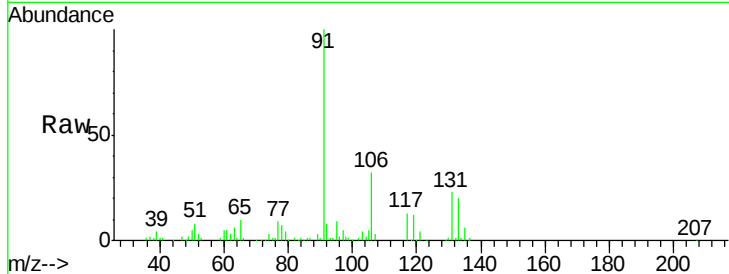
#67
Ethyl Benzene
Concen: 19.341 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion: 91 Resp: 227149
Ion Ratio Lower Upper
91 100
106 31.9 26.2 39.2

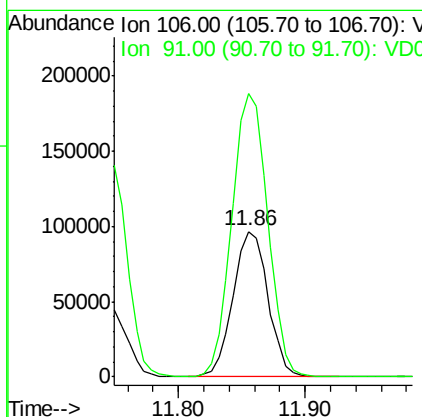
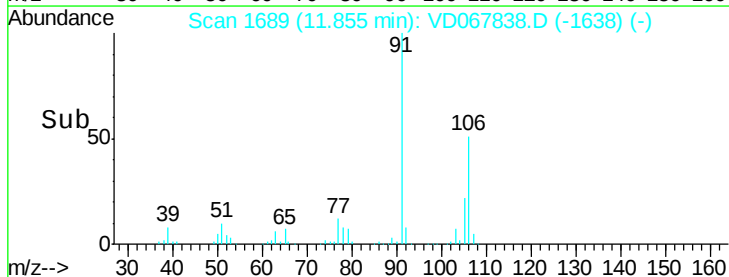
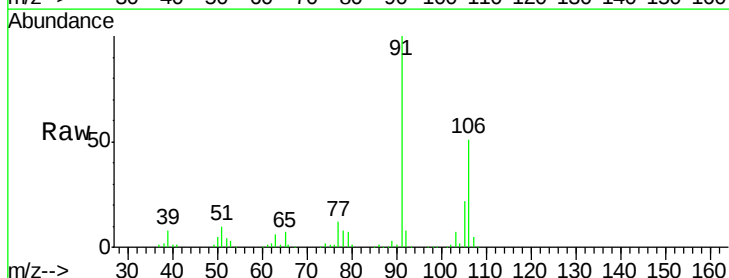
Manual Integrations
APPROVED

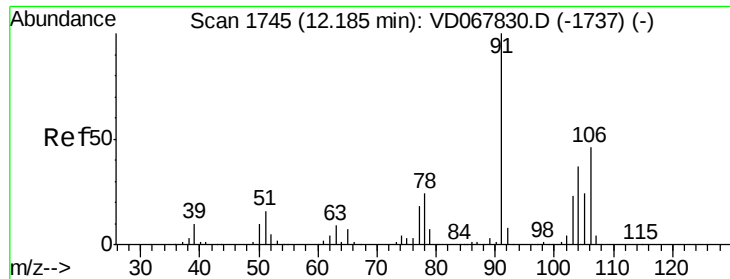
MMDadoda
12/3/2020 9:56:36 AM



#68
m/p-Xylenes
Concen: 39.758 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion: 106 Resp: 184119
Ion Ratio Lower Upper
106 100
91 200.4 162.8 244.2





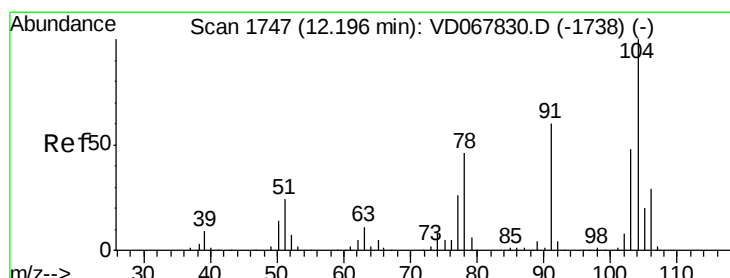
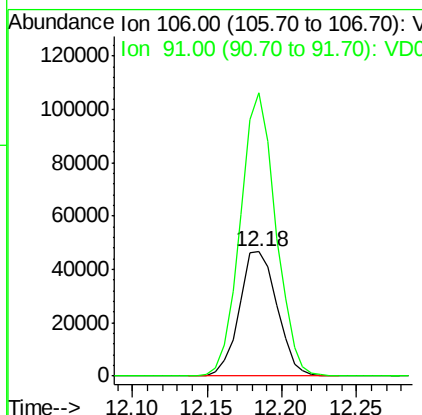
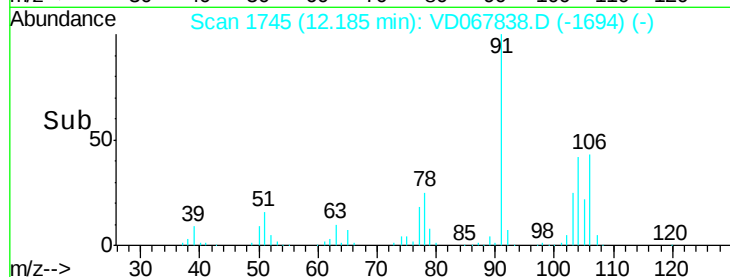
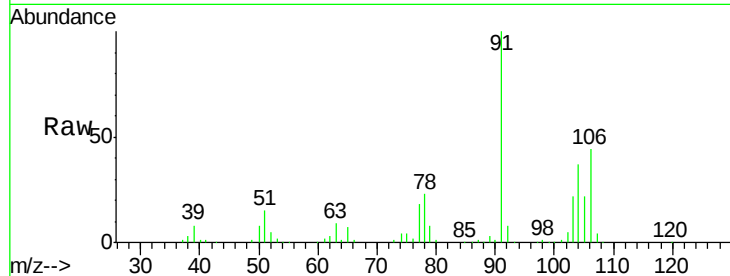
#69
o-Xylene
Concen: 19.880 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion:106 Resp: 81731
Ion Ratio Lower Upper
106 100
91 214.0 107.5 322.5

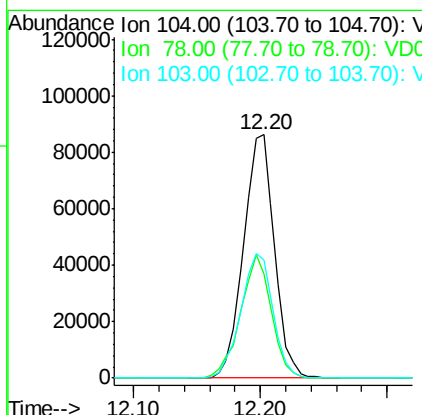
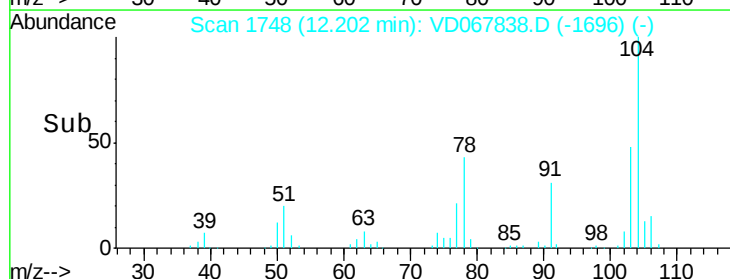
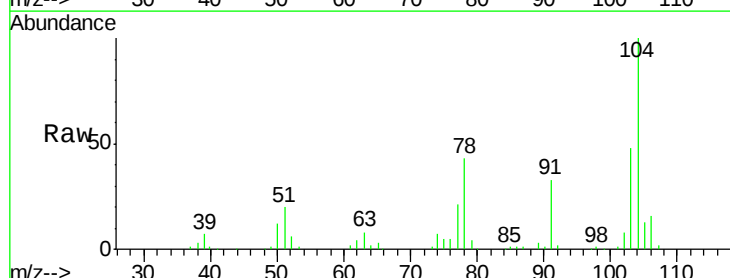
Manual Integrations
APPROVED

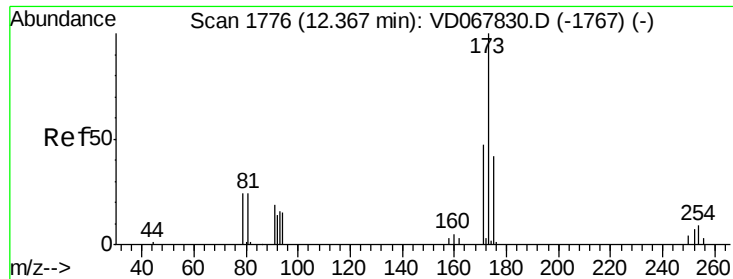
MMDadoda
12/3/2020 9:56:36 AM



#70
Styrene
Concen: 20.455 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion:104 Resp: 146230
Ion Ratio Lower Upper
104 100
78 50.5 41.6 62.4
103 53.2 43.2 64.8





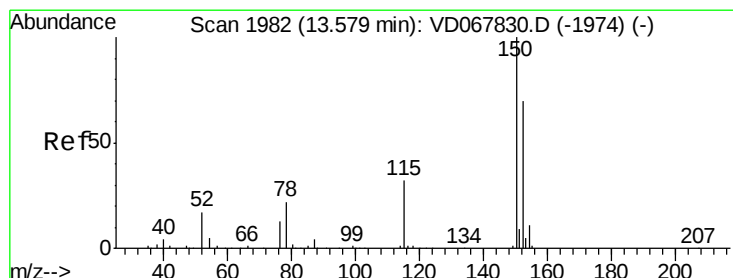
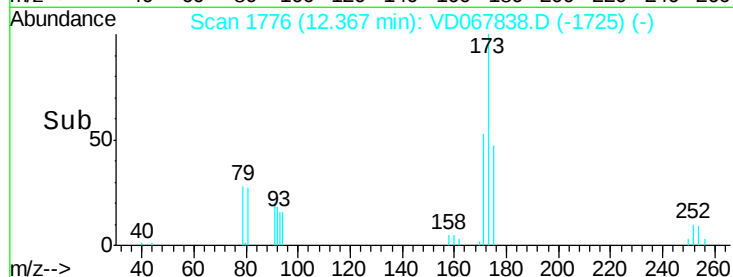
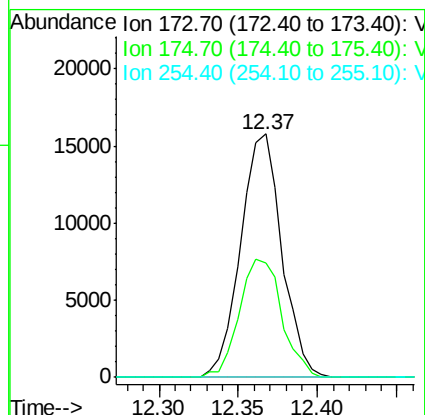
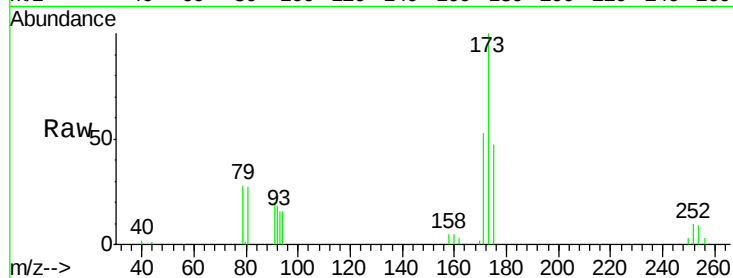
#71
Bromoform
Concen: 19.113 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	23.4	70.3
254	0.0	0.1	0.1#

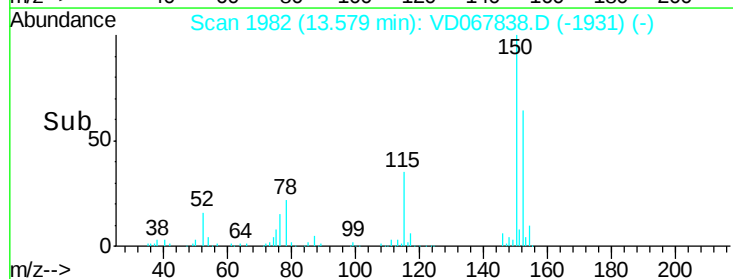
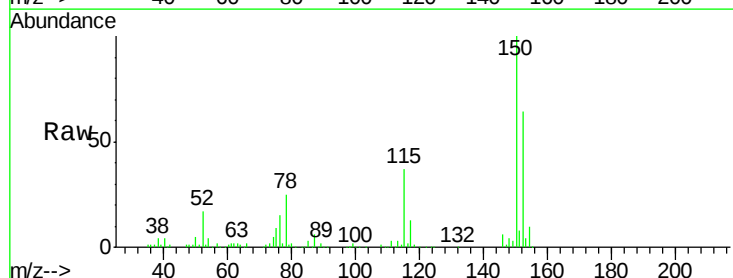
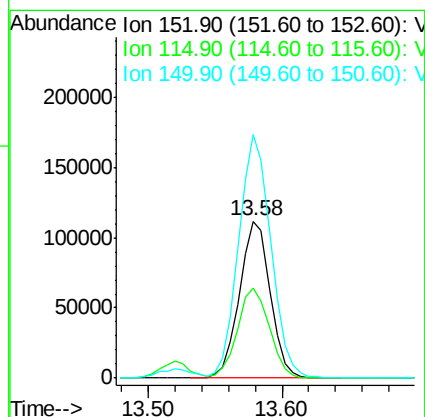
Manual Integrations
APPROVED

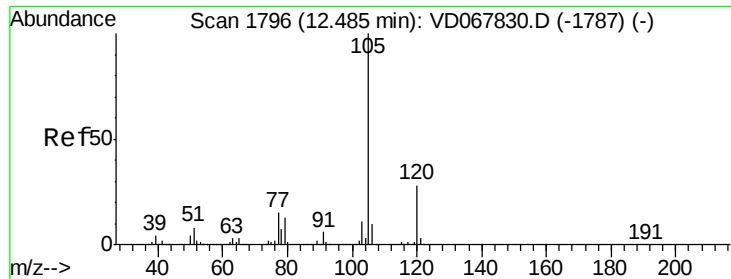
MMDadoda
12/3/2020 9:56:36 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.1	87.4
150	163.0	0.0	339.0





#73

Isopropylbenzene

Concen: 18.863 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion: 105 Resp: 230912

Ion Ratio Lower Upper

105 100

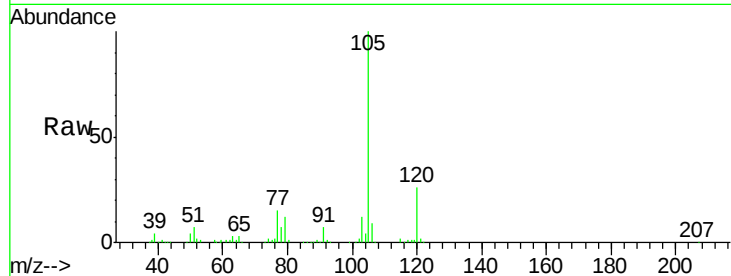
120 26.8 13.9 41.6

Manual Integrations

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12/3/2020 9:56:36 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

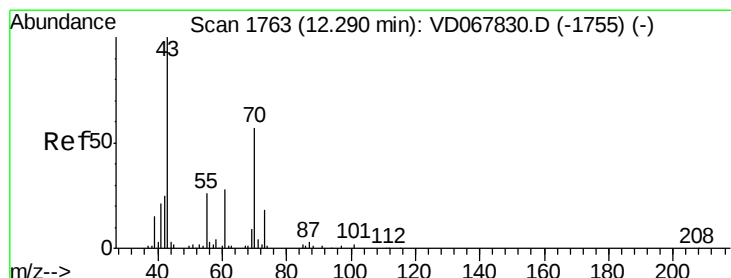
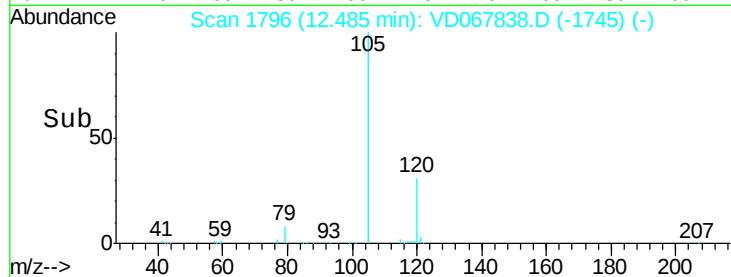
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 17.628 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Tgt Ion: 43 Resp: 26692

Ion Ratio Lower Upper

43 100

70 59.2 44.6 66.8

55 30.9 22.2 33.2

61 28.1 22.7 34.1

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

25000

20000

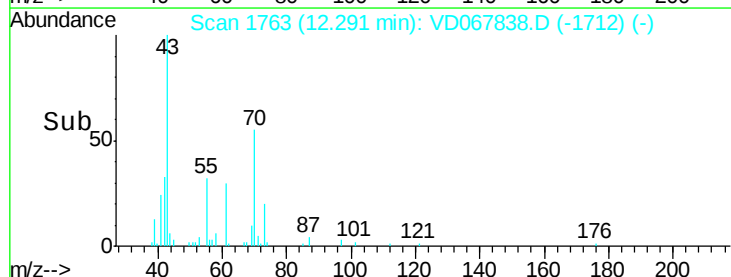
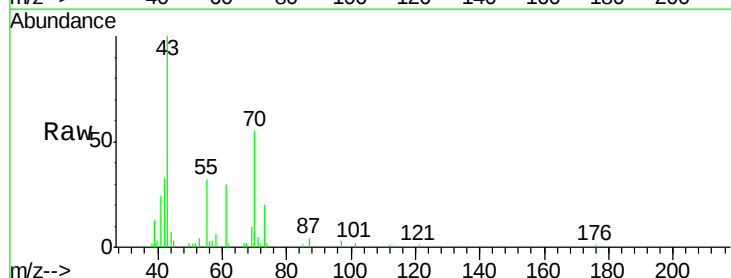
15000

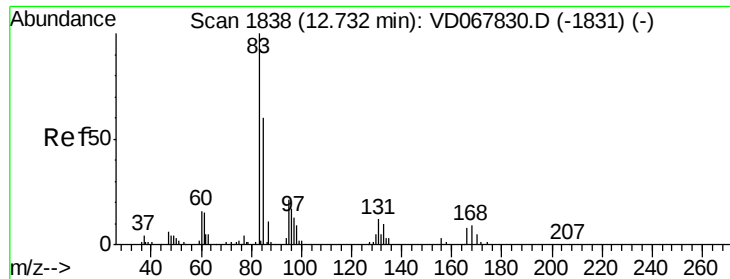
10000

5000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 18.516 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

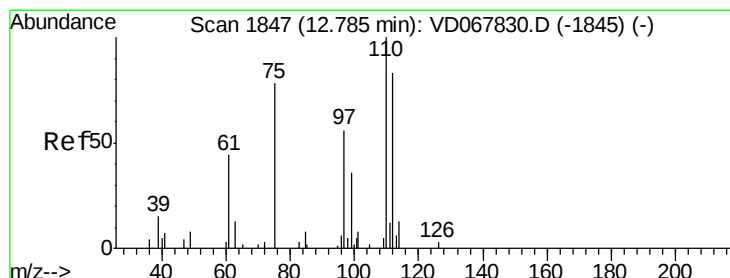
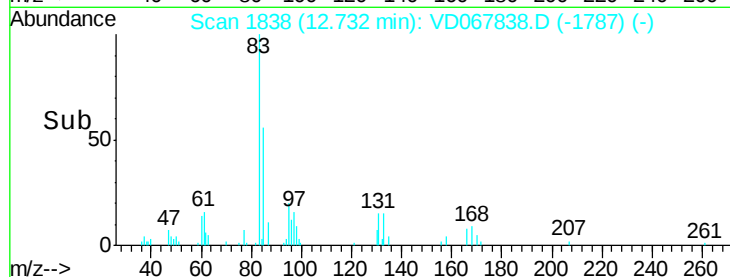
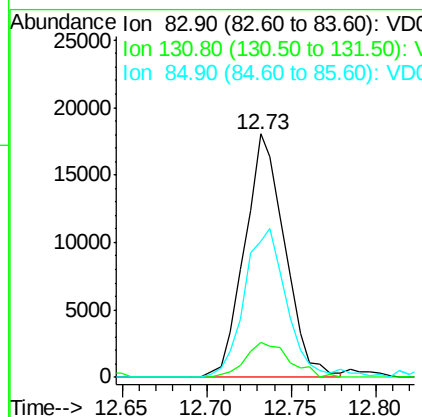
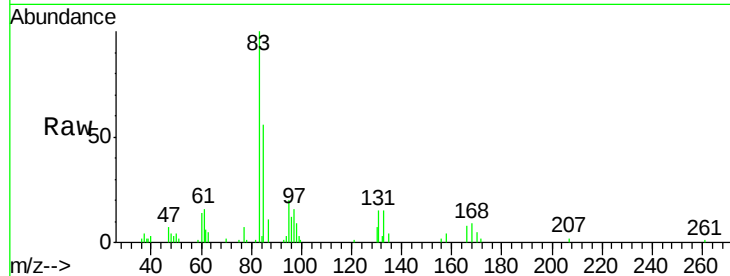
ClientSampleId :

VD1202SBSD01

Tot Ion:	83	Resp:	29925
Ion Ratio	Lower	Upper	
83	100		
131	15.9	8.0	24.0
85	64.9	31.7	95.1

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.344 ug/l m

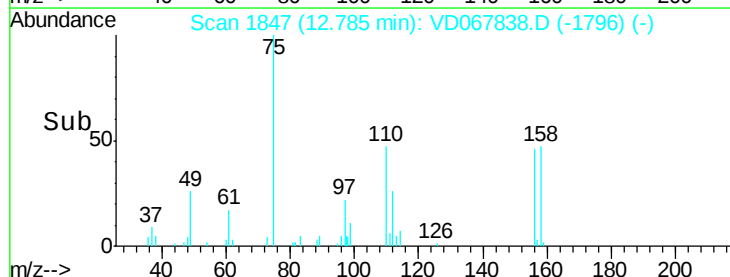
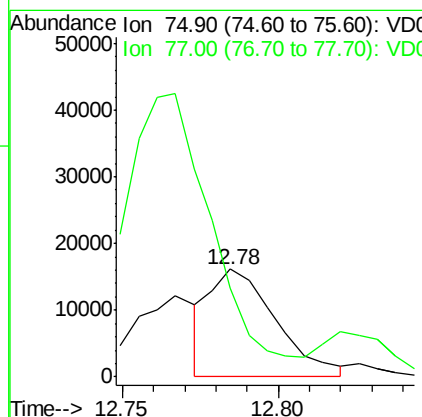
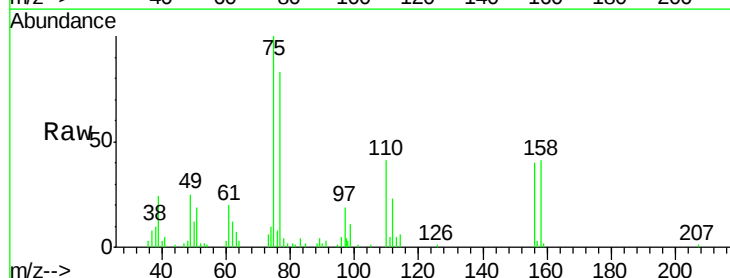
RT: 12.78 min Scan# 1847

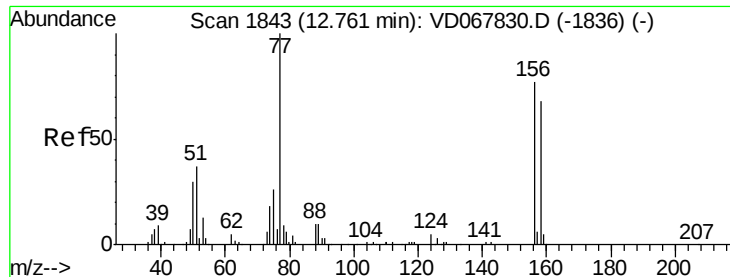
Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Tgt Ion:	75	Resp:	23779
Ion Ratio	Lower	Upper	
75	100		
77	355.4	175.9	527.7





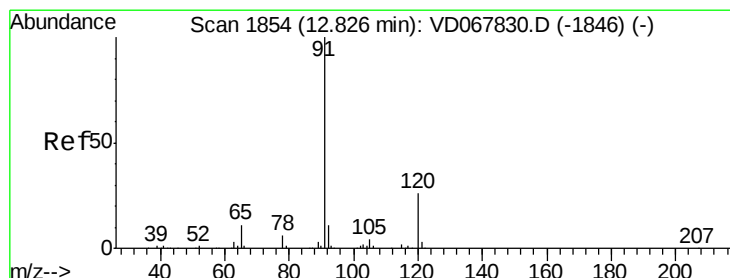
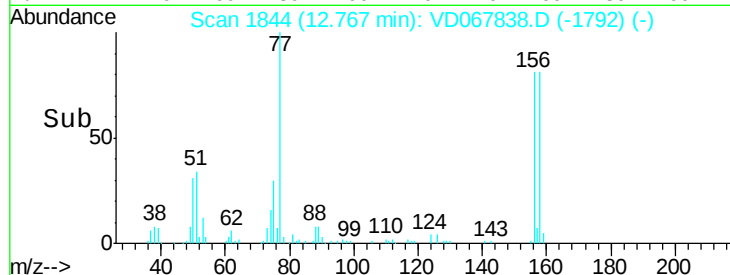
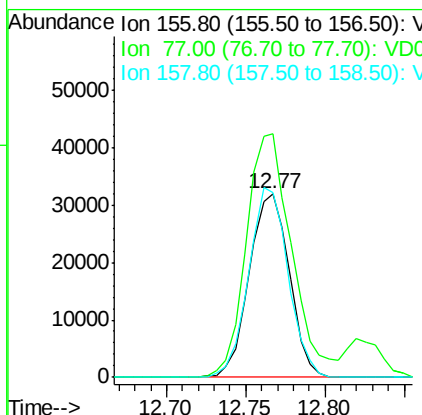
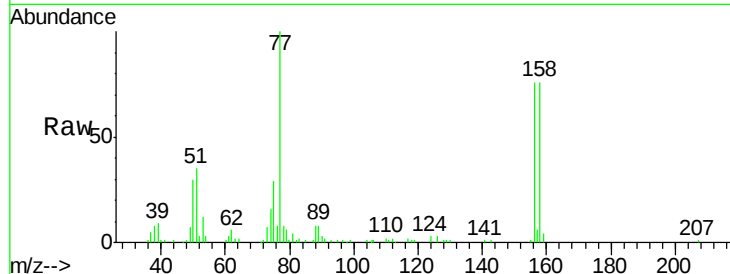
#77
Bromobenzene
Concen: 18.556 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	149.7	71.5	214.5	
158	101.4	47.1	141.4	

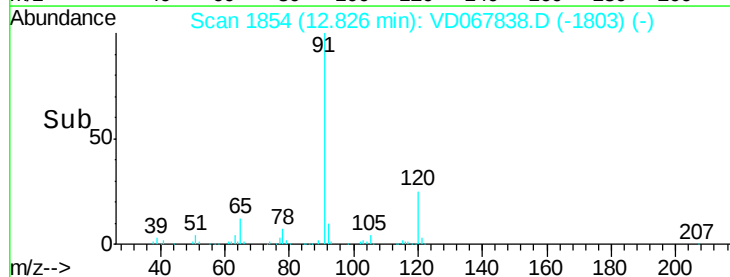
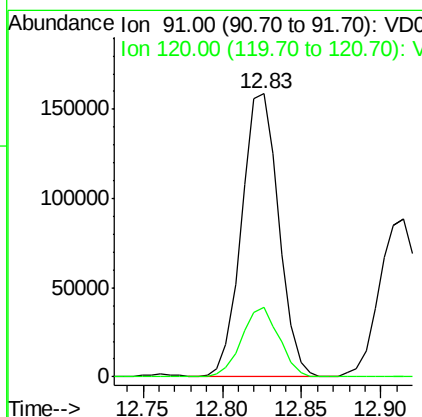
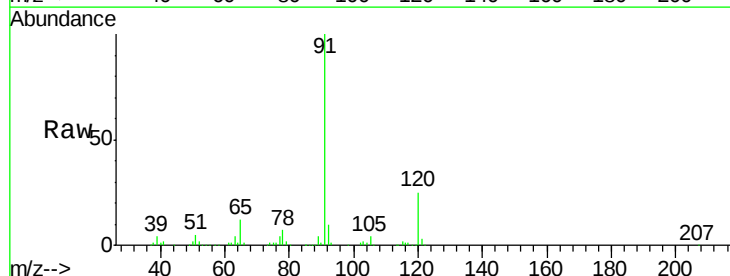
Manual Integrations
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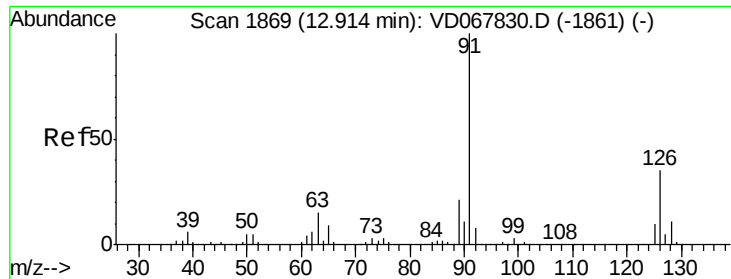
MMDadoda
12/3/2020 9:56:36 AM



#78
n-propylbenzene
Concen: 18.943 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	24.8	12.7	38.0	





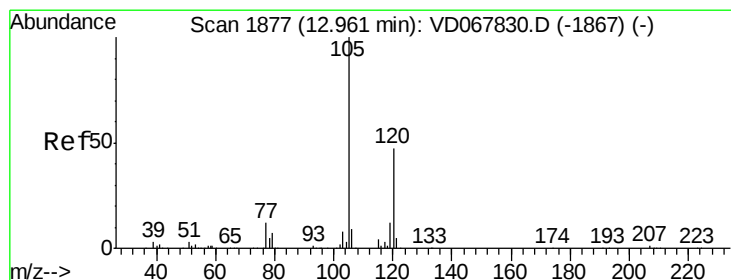
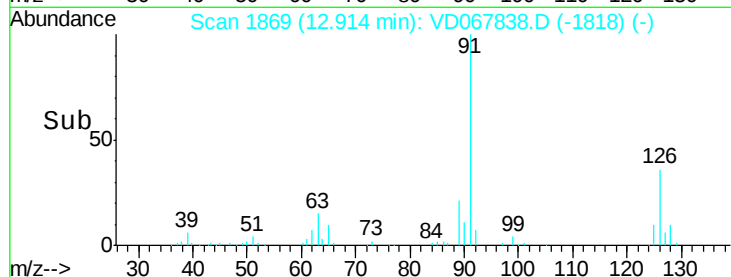
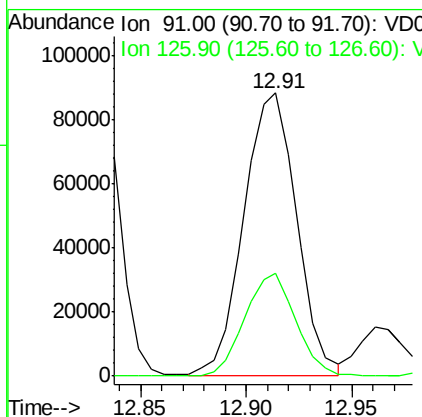
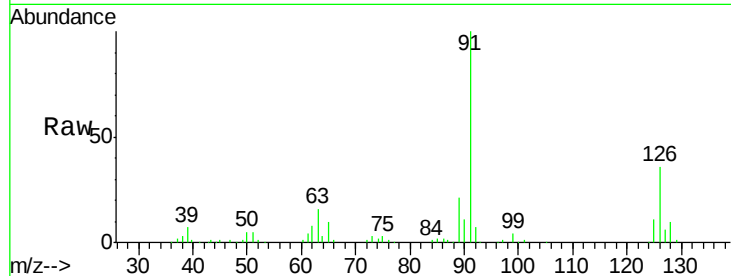
#79
2-Chlorotoluene
Concen: 19.188 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion: 91 Resp: 153159
Ion Ratio Lower Upper
91 100
126 35.3 17.9 53.7

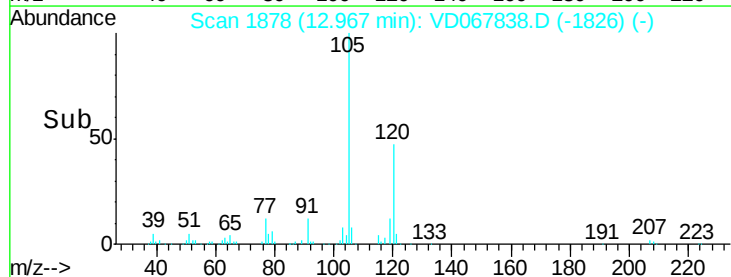
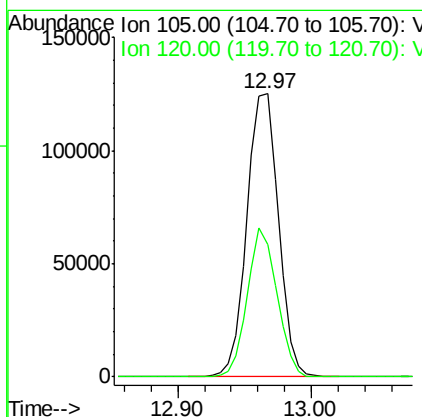
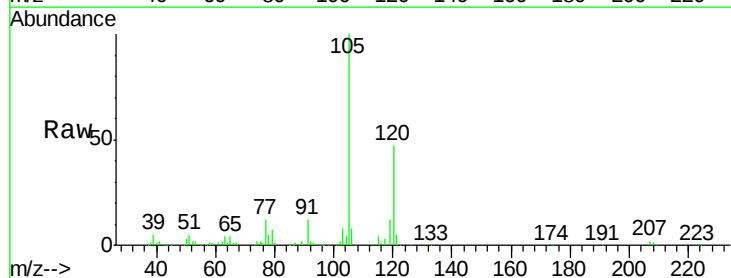
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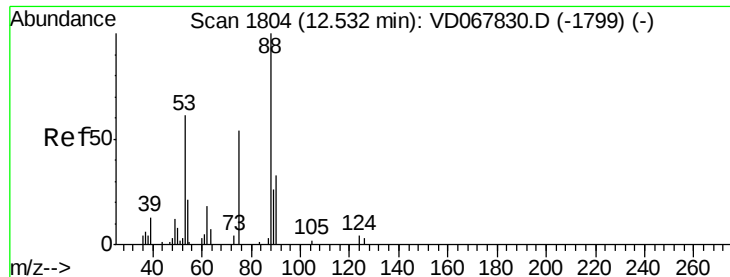
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.271 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion: 105 Resp: 204249
Ion Ratio Lower Upper
105 100
120 49.2 24.3 72.9





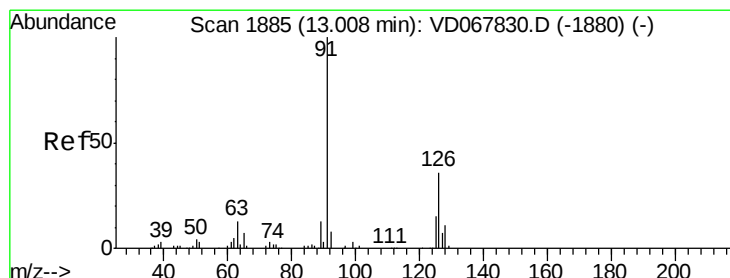
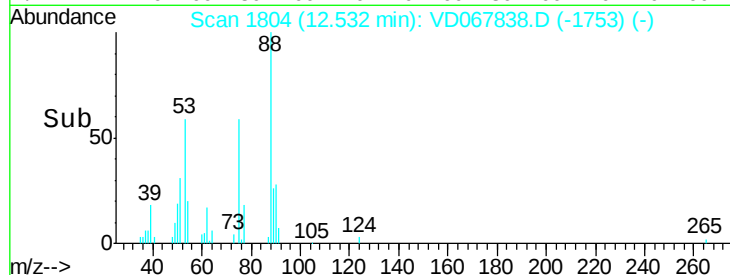
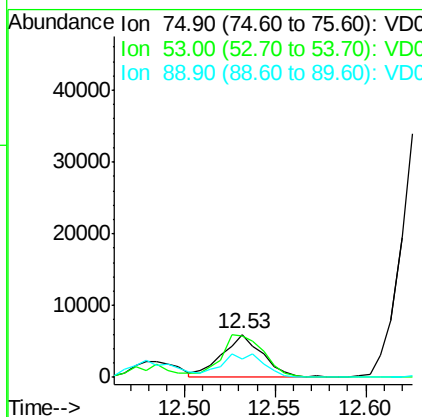
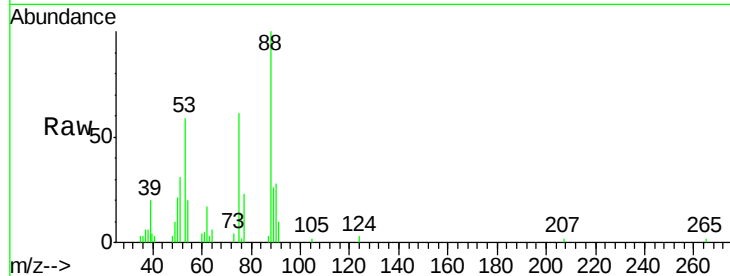
#81
trans-1,4-Dichloro-2-butene
Concen: 16.995 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.1	84.6	127.0
89	56.6	41.0	61.6

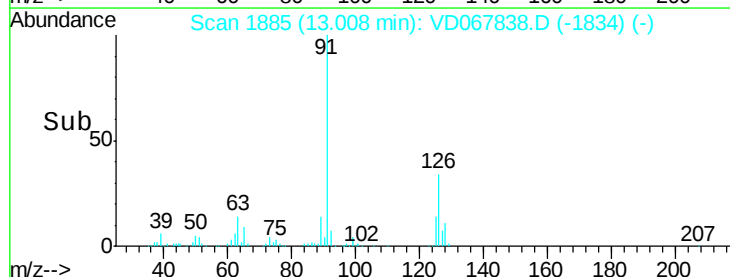
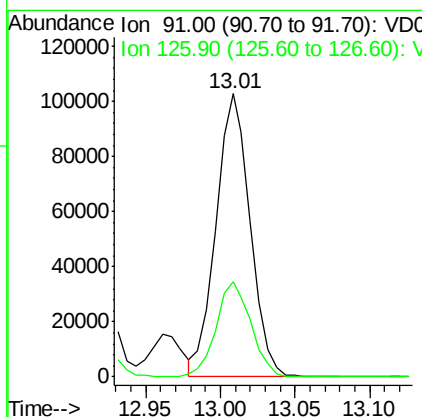
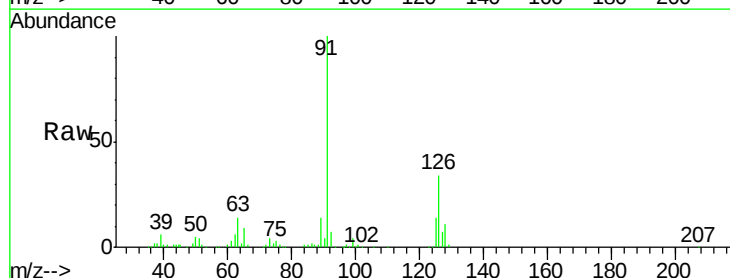
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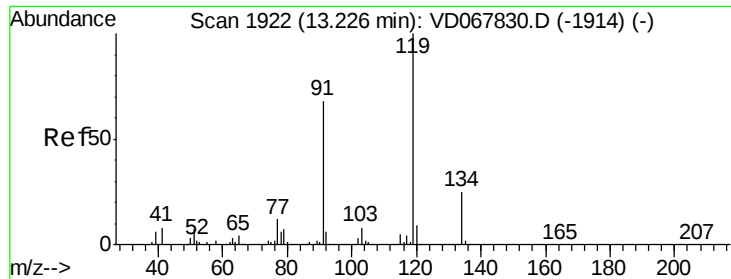
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#82
4-Chlorotoluene
Concen: 19.269 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.4	18.1	54.4





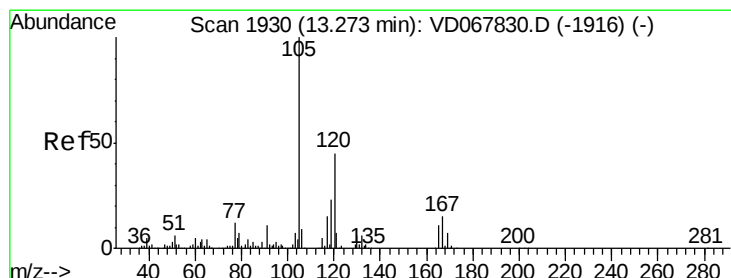
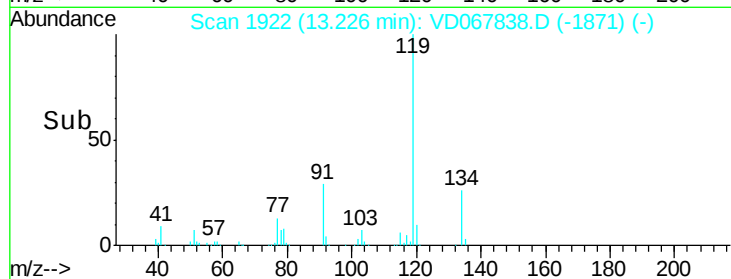
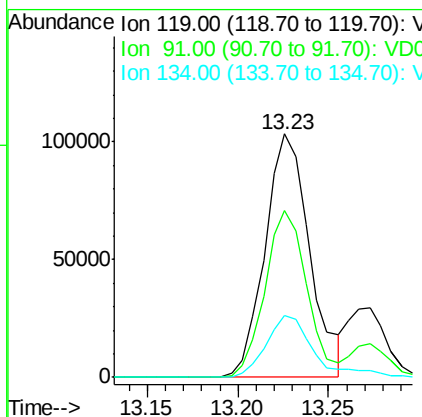
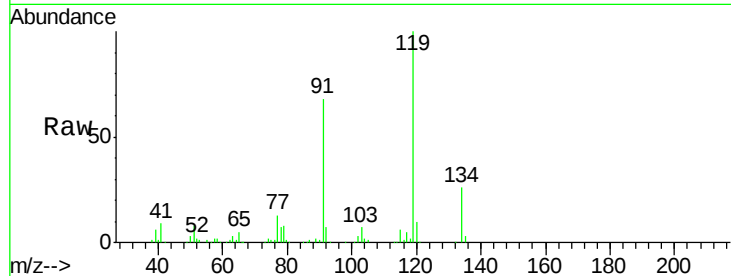
#83
tert-Butylbenzene
Concen: 19.718 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.2	33.1	99.3
134	27.3	13.6	40.8

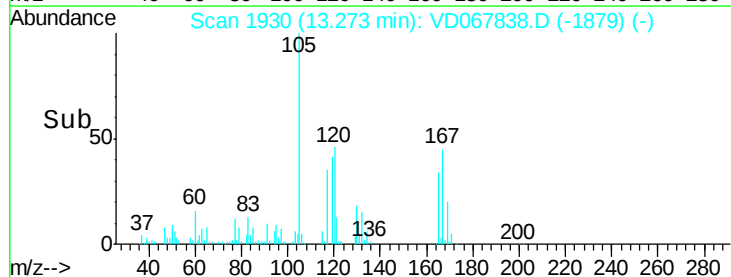
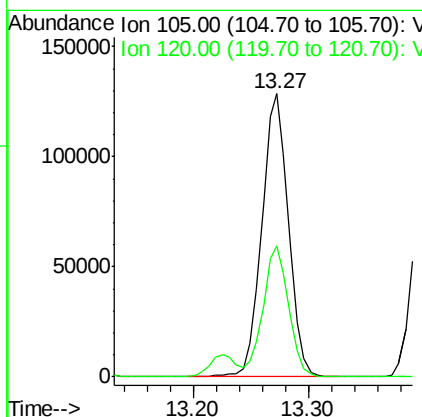
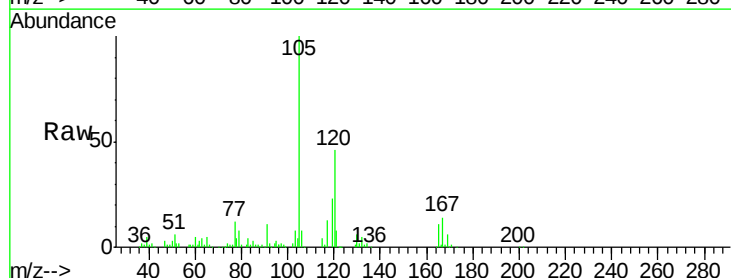
Manual Integrations
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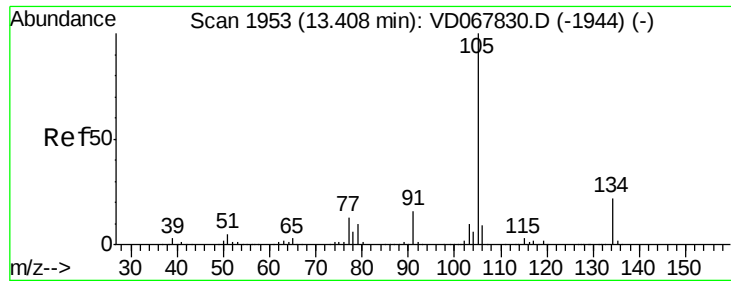
MMDadoda
12/3/2020 9:56:36 AM



#84
1,2,4-Trimethylbenzene
Concen: 19.597 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.1	66.5





#85

sec-Butylbenzene

Concen: 18.454 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

ClientSampleId :

VD1202SBS01

Tot Ion:105 Resp: 222145

Ion Ratio Lower Upper

105 100

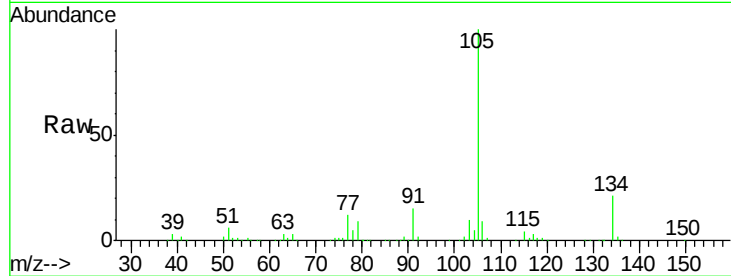
134 21.8 10.9 32.9

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

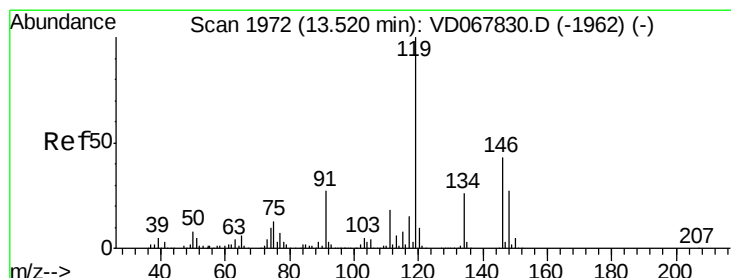
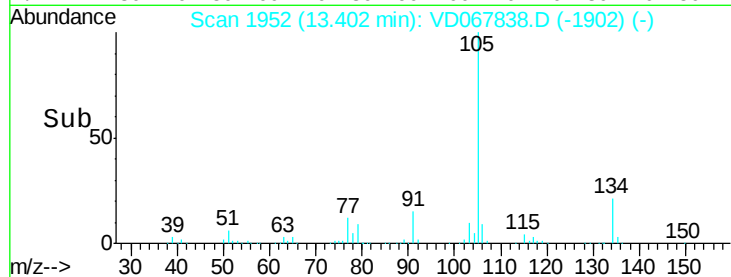
100000

50000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 18.704 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

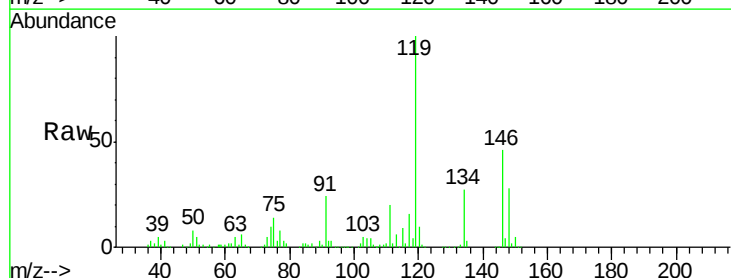
Tgt Ion:119 Resp: 220667

Ion Ratio Lower Upper

119 100

134 27.5 13.1 39.3

91 24.7 12.8 38.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

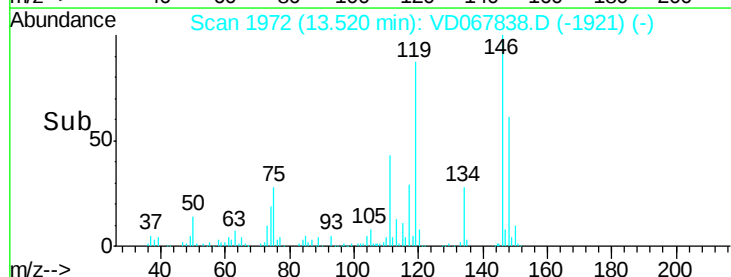
100000

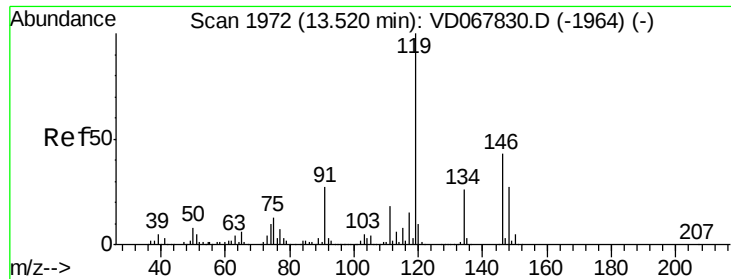
50000

0

13.45 13.50 13.55 13.60

Time-->





#87

1,3-Dichlorobenzene

Concen: 18.952 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Instrument :

MSVOA_D

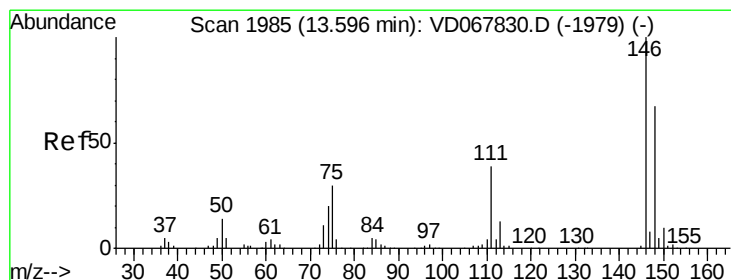
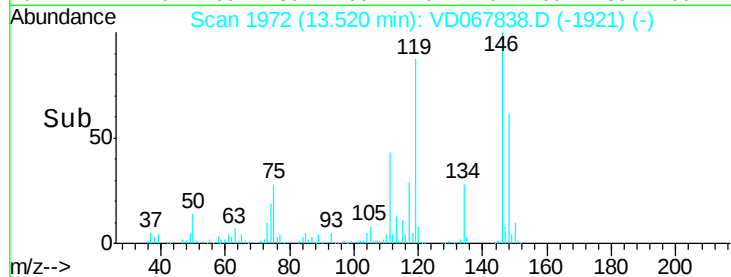
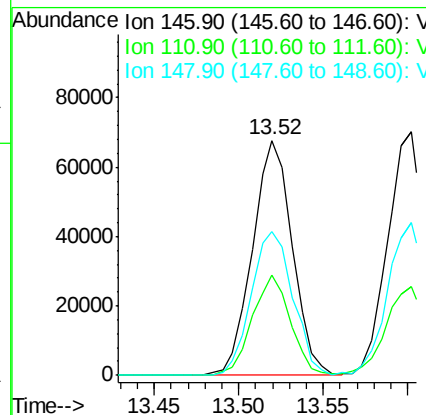
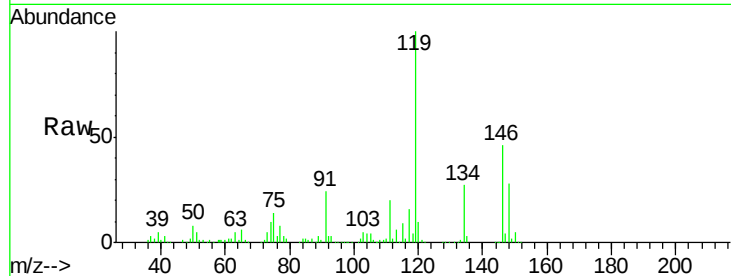
ClientSampleId :

VD1202SBS01

Tot Ion:	146	Resp:	111260
Ion Ratio	Lower	Upper	
146	100		
111	40.9	20.8	62.2
148	64.1	32.9	98.6

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 18.863 ug/l

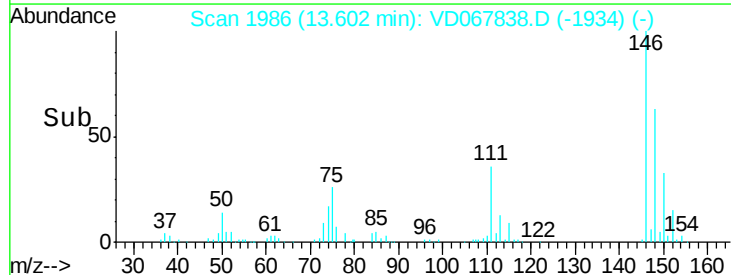
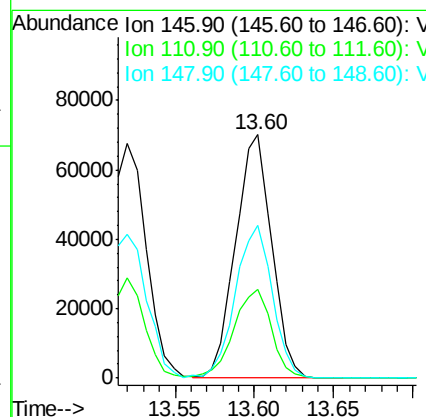
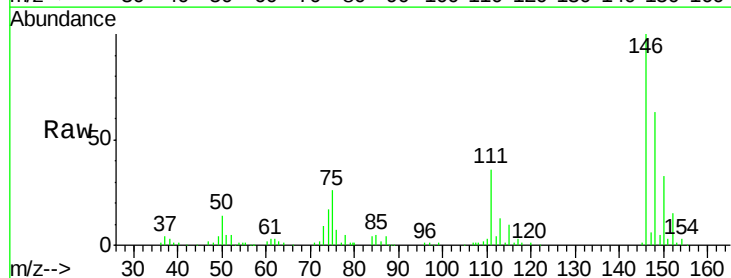
RT: 13.60 min Scan# 1986

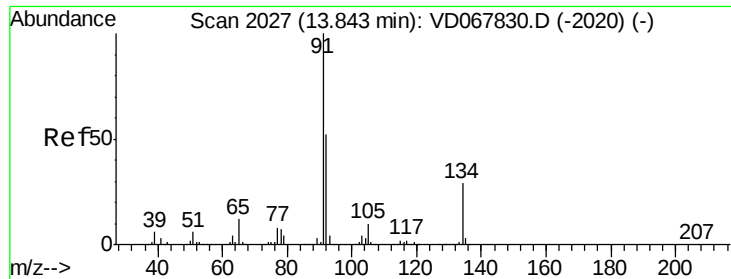
Delta R.T. 0.01 min

Lab File: VD067838.D

Acq: 02 Dec 2020 16:27

Tgt Ion:	146	Resp:	110784
Ion Ratio	Lower	Upper	
146	100		
111	38.1	19.9	59.6
148	64.1	32.4	97.2





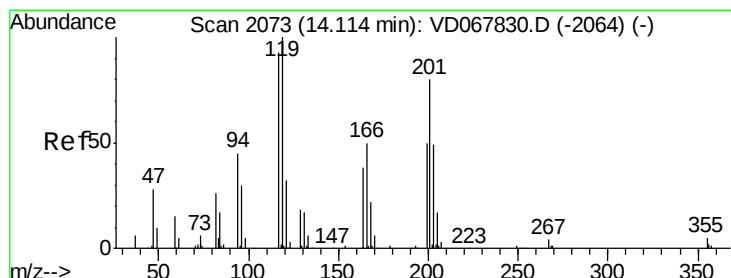
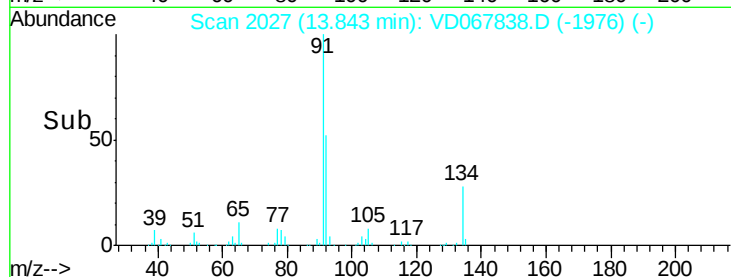
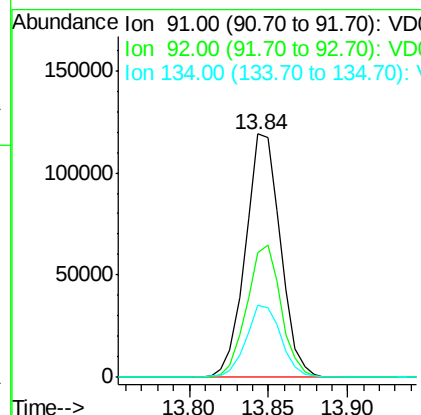
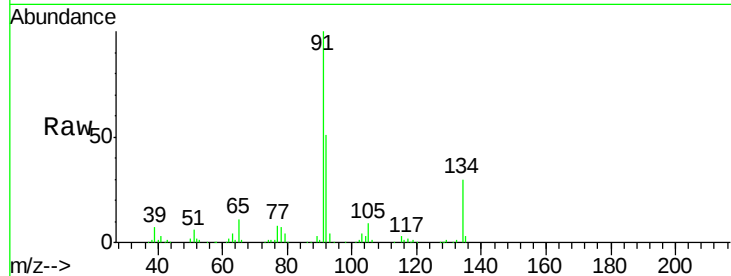
#89
n-Butylbenzene
Concen: 18.570 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	182014		
92	53.4	26.3	78.8	
134	29.7	14.8	44.3	

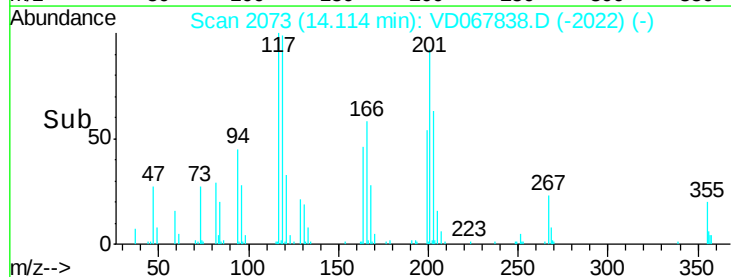
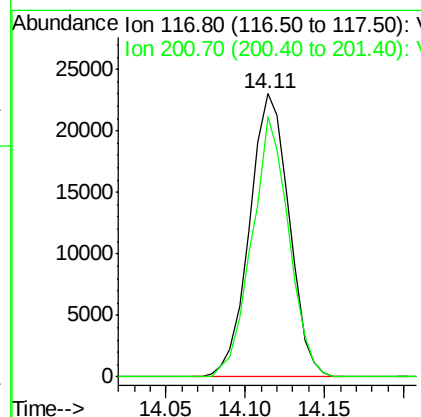
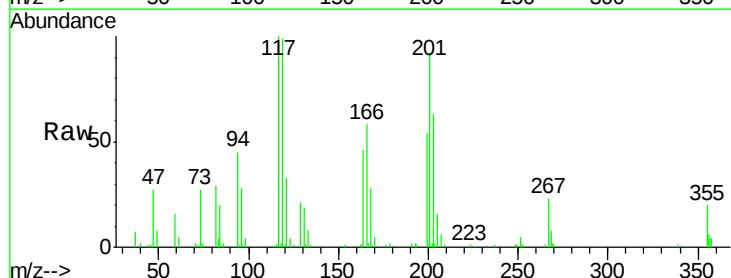
Manual Integrations
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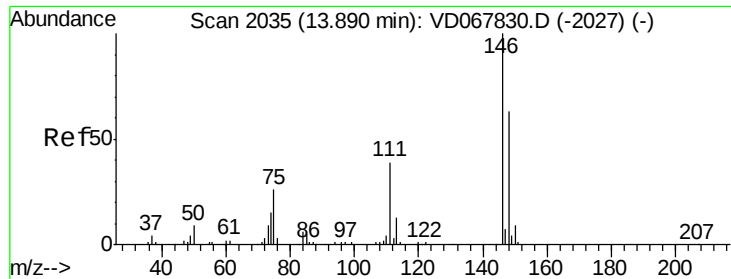
MMDadoda
12/3/2020 9:56:36 AM



#90
Hexachloroethane
Concen: 18.328 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	39922		
201	86.0	43.9	131.6	





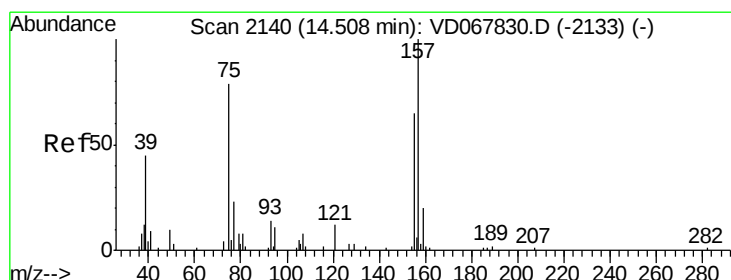
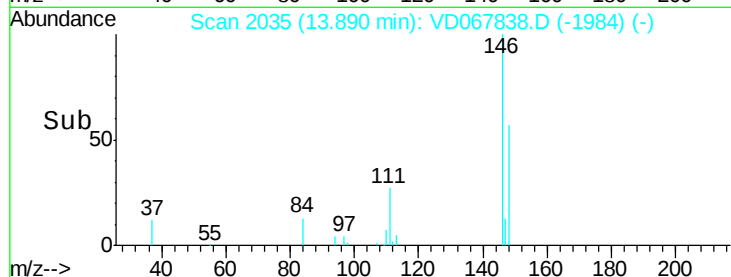
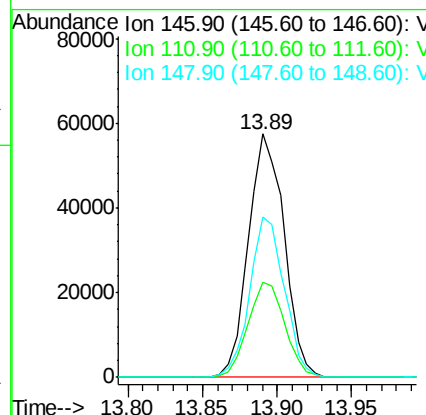
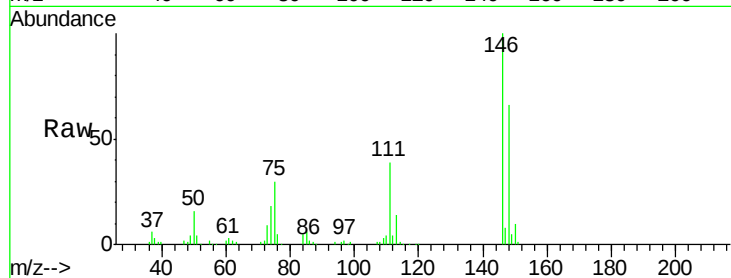
#91
 1,2-Dichlorobenzene
 Concen: 18.664 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.4	61.2
148	63.9	32.1	96.3

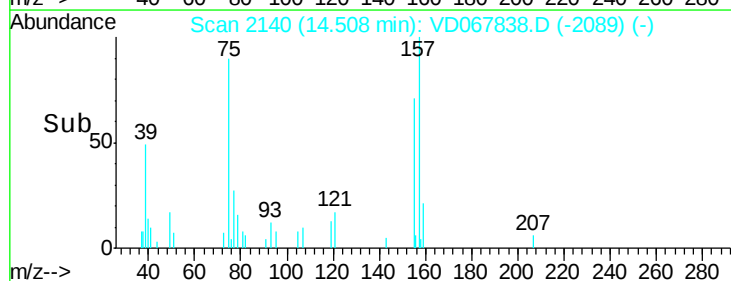
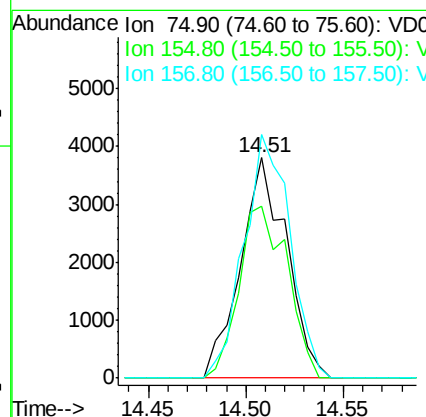
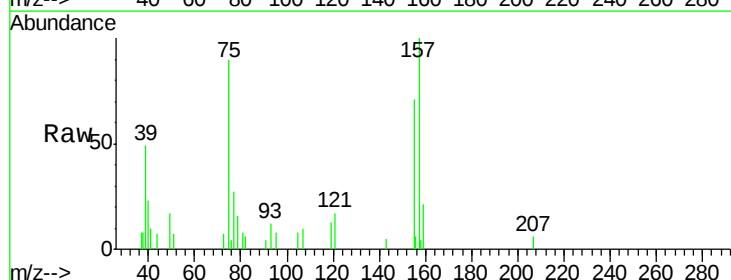
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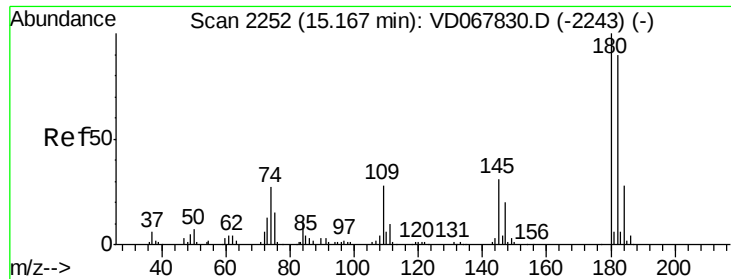
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.447 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.7	44.1	132.4
157	110.6	62.4	187.2





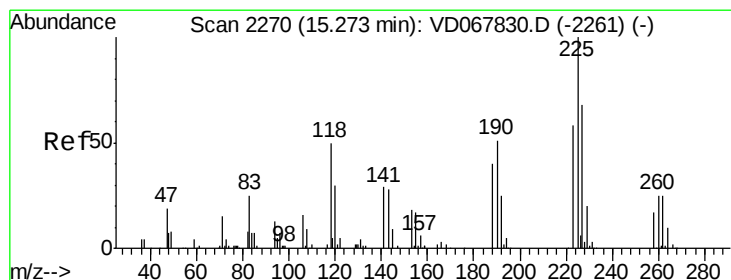
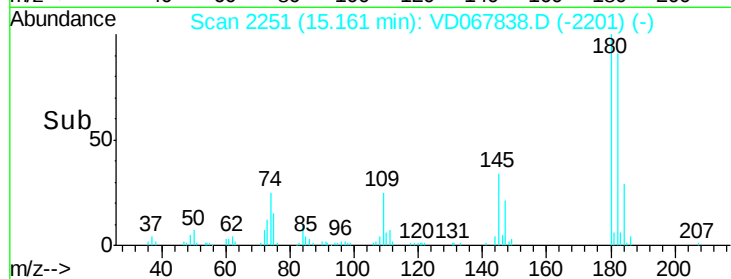
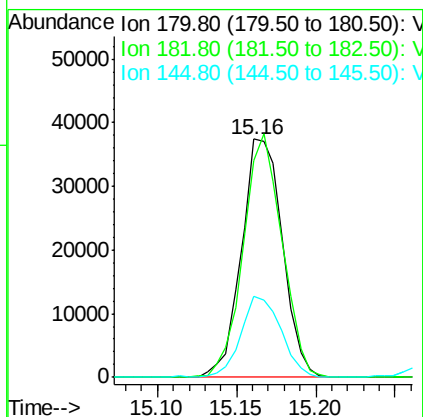
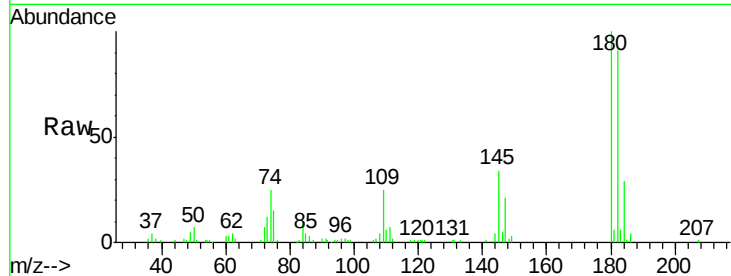
#93
 1,2,4-Trichlorobenzene
 Concen: 18.896 ug/l
 RT: 15.16 min Scan# 2251
 Delta R.T. -0.01 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1202SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.5	142.6
145	33.3	16.4	49.4

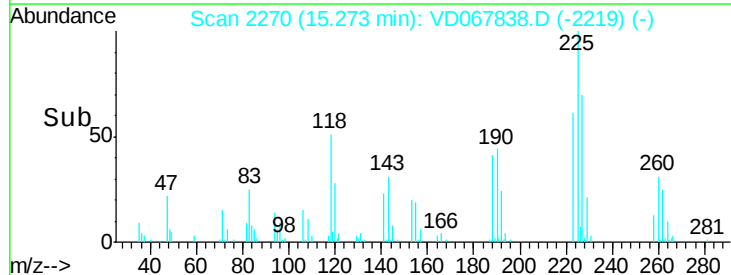
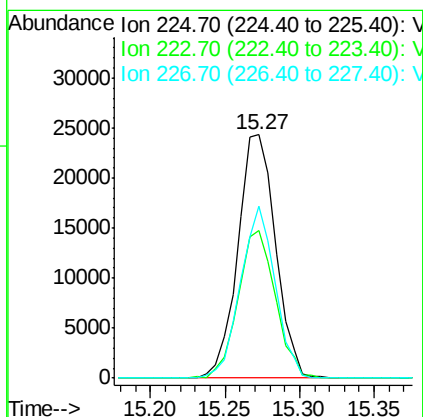
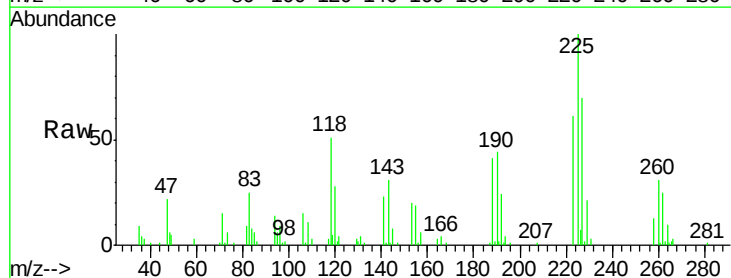
Manual Integrations
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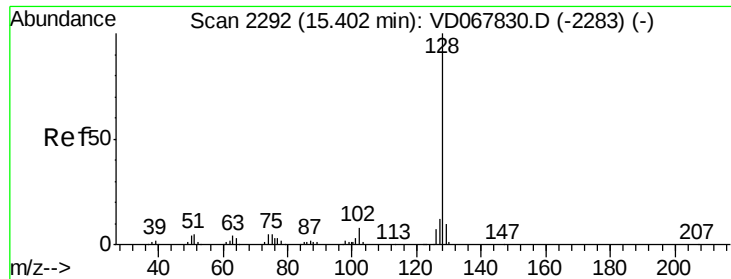
MMDadoda
 12/3/2020 9:56:36 AM



#94
 Hexachlorobutadiene
 Concen: 18.388 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067838.D
 Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
225	100		
223	59.8	31.1	93.3
227	64.3	33.1	99.3





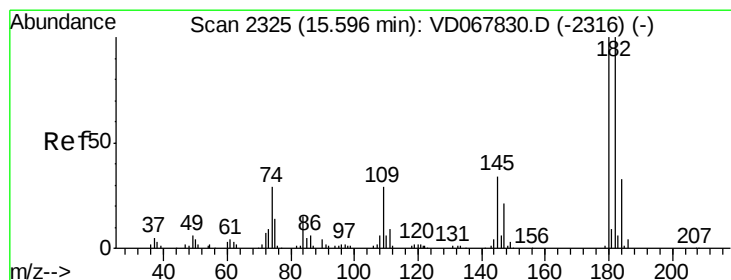
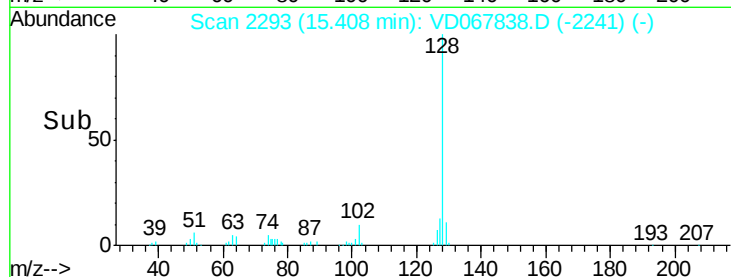
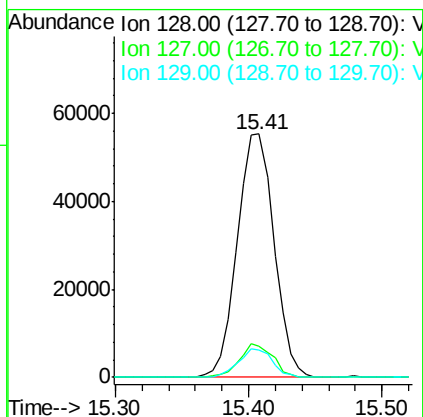
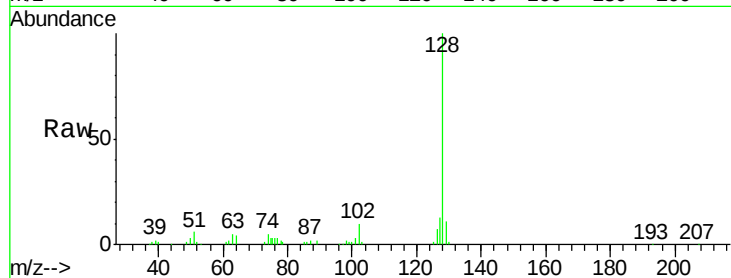
#95
Naphthalene
Concen: 18.187 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Instrument :
MSVOA_D
ClientSampleId :
VD1202SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	15.8
129	10.7	9.0	13.6

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 18.300 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067838.D
Acq: 02 Dec 2020 16:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.8	47.3	142.0
145	36.0	16.8	50.4

