

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067248.D
 Acq On : 13 Oct 2020 12:43
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:15 PM

Quant Time: Oct 13 13:01:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 12:22:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	338564	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	513946	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	472042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	236222	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	483097	138.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	277.78%	
35) Dibromofluoromethane	7.91	113	506283	147.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	295.88%	
50) Toluene-d8	10.34	98	1811880	145.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.36%	
62) 4-Bromofluorobenzene	12.64	95	631690	145.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	290.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	384064	115.578	ug/l	96
3) Chloromethane	2.21	50	294151	131.997	ug/l	99
4) Vinyl Chloride	2.34	62	317554	128.917	ug/l	98
5) Bromomethane	2.74	94	240724	124.694	ug/l	99
6) Chloroethane	2.91	64	195447	126.777	ug/l	95
7) Trichlorofluoromethane	3.27	101	797496	128.834	ug/l	97
8) Diethyl Ether	3.71	74	195032	141.391	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	421712	128.276	ug/l	99
10) Methyl Iodide	4.30	142	500205	184.153	ug/l	98
11) Tert butyl alcohol	5.23	59	117143	402.109	ug/l #	90
12) 1,1-Dichloroethene	4.06	96	393373	136.060	ug/l	96
13) Acrolein	3.92	56	162659	1039.154	ug/l	99
14) Allyl chloride	4.71	41	480656	149.009	ug/l	98
15) Acrylonitrile	5.42	53	327250	719.237	ug/l	99
16) Acetone	4.16	43	336511	687.730	ug/l	96
17) Carbon Disulfide	4.41	76	1125375	136.306	ug/l	100
18) Methyl Acetate	4.71	43	150998	134.389	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	838814	150.552	ug/l	99
20) Methylene Chloride	4.96	84	431751	109.630	ug/l	88
21) trans-1,2-Dichloroethene	5.47	96	454487	137.415	ug/l	94
22) Diisopropyl ether	6.37	45	851725	143.215	ug/l	98
23) Vinyl Acetate	6.30	43	2654199	822.490	ug/l	100
24) 1,1-Dichloroethane	6.27	63	705334	136.126	ug/l	99
25) 2-Butanone	7.21	43	394358	717.394	ug/l #	87
26) 2,2-Dichloropropane	7.21	77	702040	129.786	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	500725	137.901	ug/l	98
28) Bromochloromethane	7.55	49	249485	144.324	ug/l #	98
29) Tetrahydrofuran	7.56	42	223054	736.272	ug/l	97
30) Chloroform	7.71	83	832666	133.998	ug/l	95
31) Cyclohexane	7.98	56	510585	122.694	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	817892	134.100	ug/l	99
36) 1,1-Dichloropropene	8.11	75	601707	133.827	ug/l	100
37) Ethyl Acetate	7.29	43	180397	138.399	ug/l #	92
38) Carbon Tetrachloride	8.10	117	766343	132.955	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	663158	143.856	ug/l	98
40) Benzene	8.36	78	1642198	132.559	ug/l	98
41) Methacrylonitrile	7.53	41	103267	185.677	ug/l	86
42) 1,2-Dichloroethane	8.43	62	518088	133.852	ug/l	100
43) Isopropyl Acetate	8.46	43	377940	147.969	ug/l	99
44) Trichloroethene	9.11	130	534110	134.922	ug/l	99
45) 1,2-Dichloropropane	9.39	63	394582	138.699	ug/l	97
46) Dibromomethane	9.48	93	235893	131.699	ug/l	96
47) Bromodichloromethane	9.67	83	652444	137.542	ug/l	98
48) Methyl methacrylate	9.46	41	182190	146.420	ug/l	95
49) 1,4-Dioxane	9.47	88	49035	2580.951	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	892993	688.989	ug/l	99
52) Toluene	10.41	92	1129872	134.728	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	582343	141.140	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	688555	142.442	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	319786	130.025	ug/l	96
56) Ethyl methacrylate	10.66	69	375745	156.366	ug/l	99
57) 1,3-Dichloropropane	10.95	76	523902	136.070	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	938990	758.629	ug/l	99
59) 2-Hexanone	10.99	43	631258	723.278	ug/l	97
60) Dibromochloromethane	11.14	129	471835	132.834	ug/l	99
61) 1,2-Dibromoethane	11.25	107	318150	132.875	ug/l	99
64) Tetrachloroethene	10.88	164	454097	126.237	ug/l	97
65) Chlorobenzene	11.67	112	1240637	132.131	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	492994	132.225	ug/l	99
67) Ethyl Benzene	11.75	91	2230082	141.165	ug/l	99
68) m/p-Xylenes	11.86	106	1680426	273.793	ug/l	100
69) o-Xylene	12.18	106	784234	138.189	ug/l	97
70) Styrene	12.20	104	1346596	138.091	ug/l	99
71) Bromoform	12.37	173	269209	135.010	ug/l #	99
73) Isopropylbenzene	12.48	105	2197138	145.450	ug/l	100
74) N-amyl acetate	12.30	43	344870	153.290	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	318906	135.044	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	255341m	151.141	ug/l	
77) Bromobenzene	12.77	156	525183	136.590	ug/l	98
78) n-propylbenzene	12.83	91	2476596	139.406	ug/l	100
79) 2-Chlorotoluene	12.91	91	1428666	137.950	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	1858829	139.846	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	107716	148.080	ug/l	93
82) 4-Chlorotoluene	13.01	91	1477747	133.706	ug/l	100
83) tert-Butylbenzene	13.23	119	1616128	145.634	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	1855490	141.865	ug/l	100
85) sec-Butylbenzene	13.41	105	2170648	141.046	ug/l	100
86) p-Isopropyltoluene	13.53	119	2030171	139.575	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	974483	129.443	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	985309	133.459	ug/l	99
89) n-Butylbenzene	13.85	91	1825187	143.815	ug/l	99
90) Hexachloroethane	14.12	117	367095	145.469	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	864692	132.771	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	60150	141.409	ug/l	95

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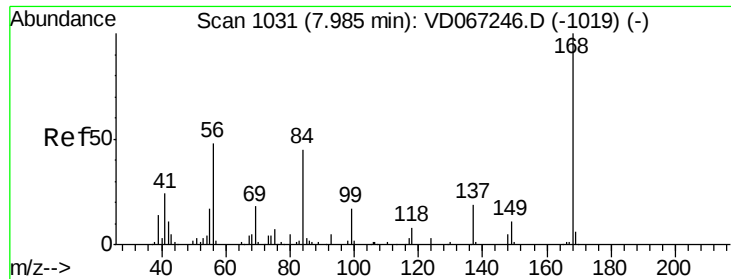
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	637316	150.398	ug/l	99
94) Hexachlorobutadiene	15.28	225	386652	145.371	ug/l	98
95) Naphthalene	15.41	128	1128244	169.631	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	554395	152.356	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 338564

Ion Ratio Lower Upper

168 100

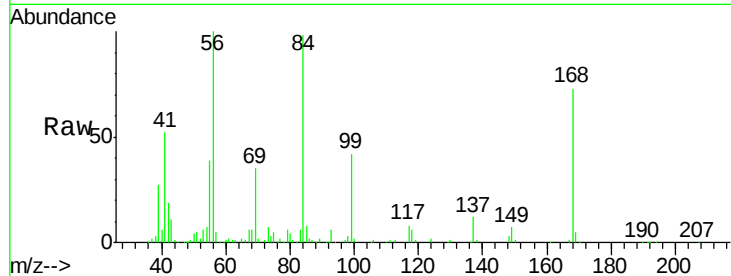
99 57.3 45.9 68.9

Manual Integrations

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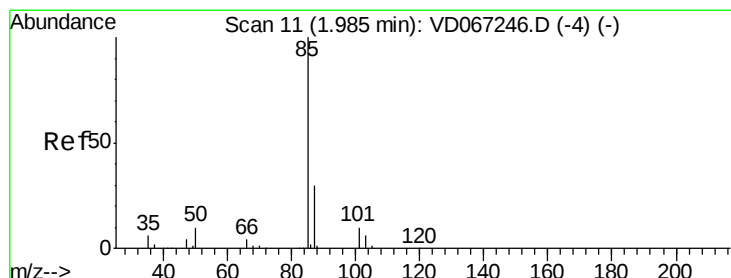
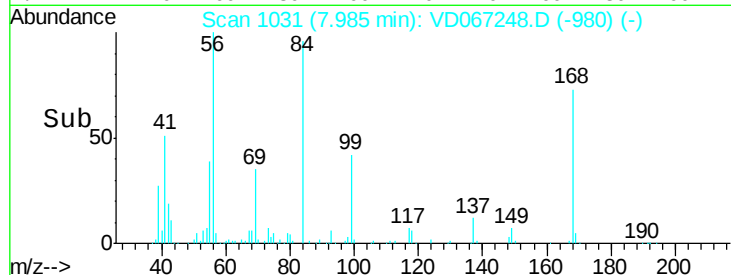
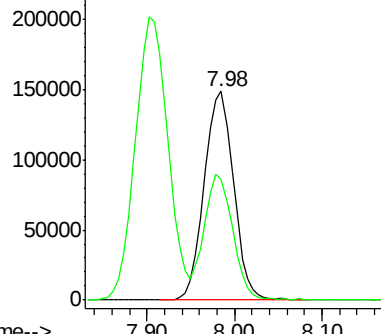
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 115.578 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067248.D

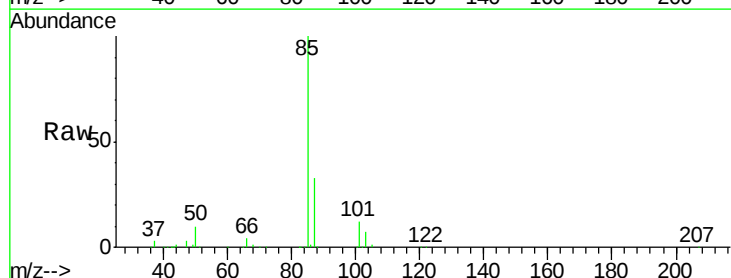
Acq: 13 Oct 2020 12:43

Tgt Ion: 85 Resp: 384064

Ion Ratio Lower Upper

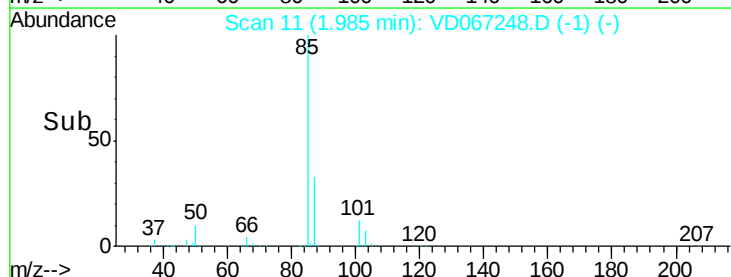
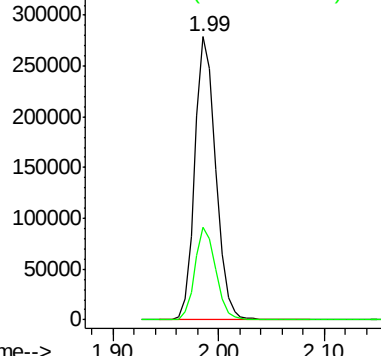
85 100

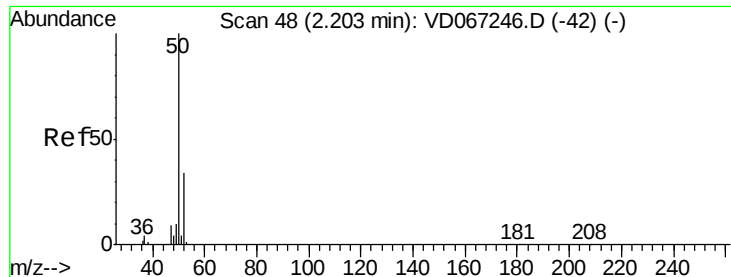
87 32.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 131.997 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 294151

Ion Ratio Lower Upper

50 100

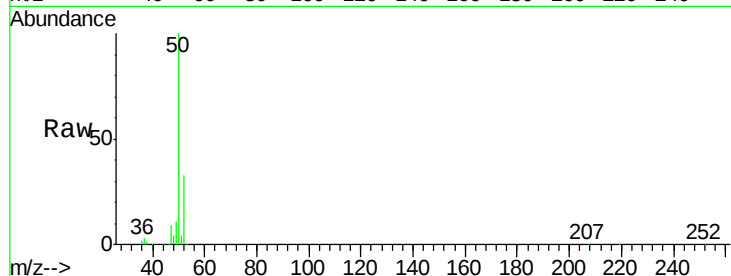
52 33.3 27.1 40.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

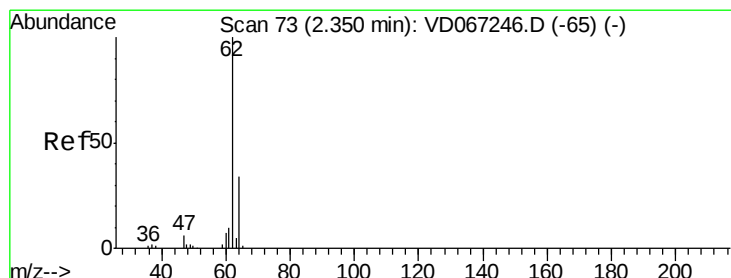
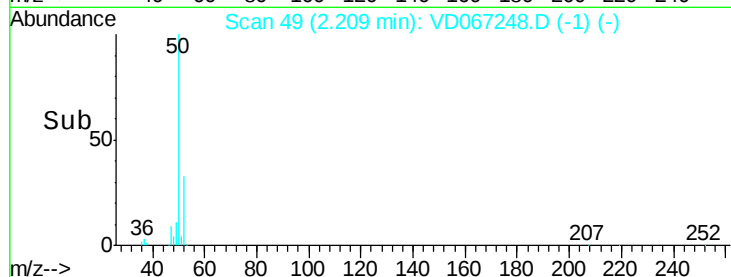
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 128.917 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067248.D

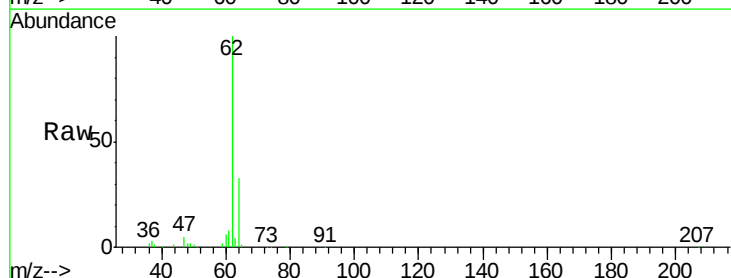
Acq: 13 Oct 2020 12:43

Tgt Ion: 62 Resp: 317554

Ion Ratio Lower Upper

62 100

64 32.9 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.34

200000

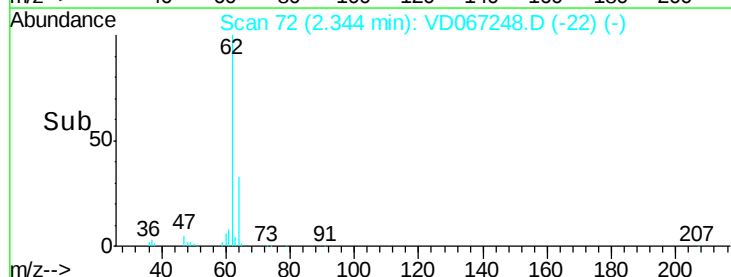
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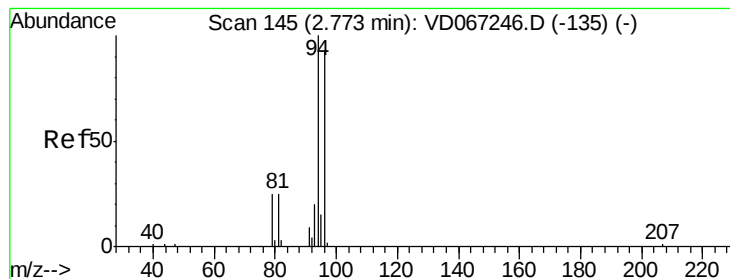
100000

50000

0

Time-->





#5

Bromomethane

Concen: 124.694 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.03 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 240724

Ion Ratio Lower Upper

94 100

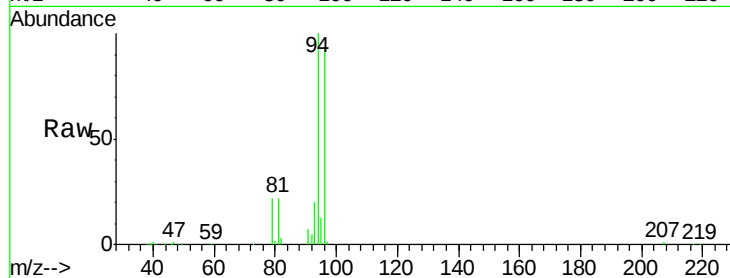
96 93.1 73.8 110.6

Manual Integrations

APPROVED

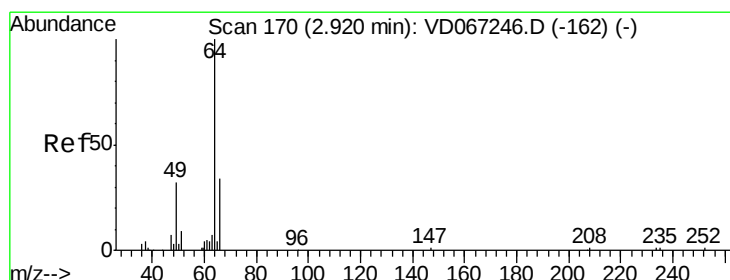
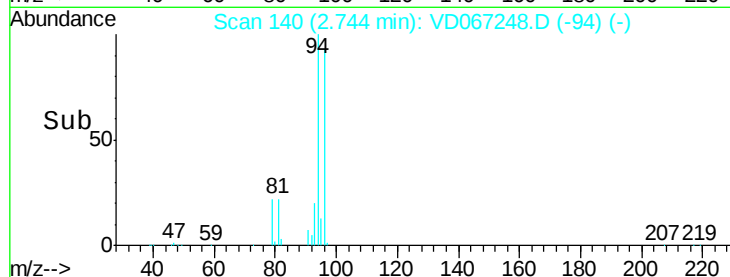
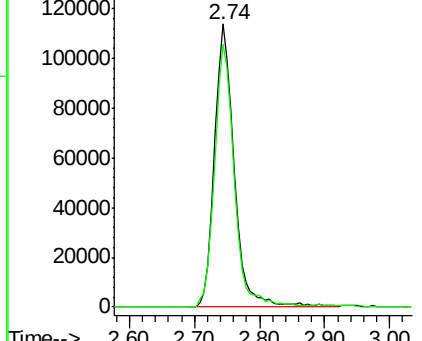
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 126.777 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD067248.D

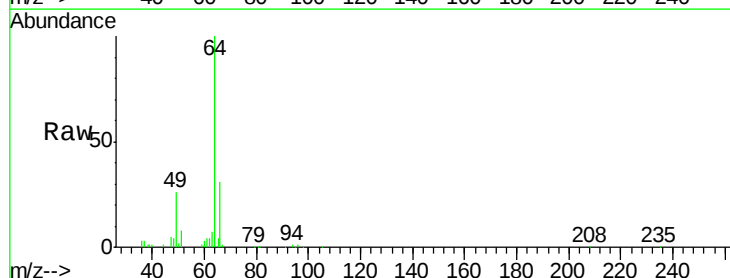
Acq: 13 Oct 2020 12:43

Tgt Ion: 64 Resp: 195447

Ion Ratio Lower Upper

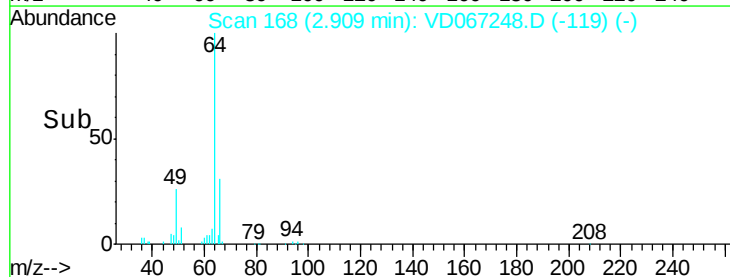
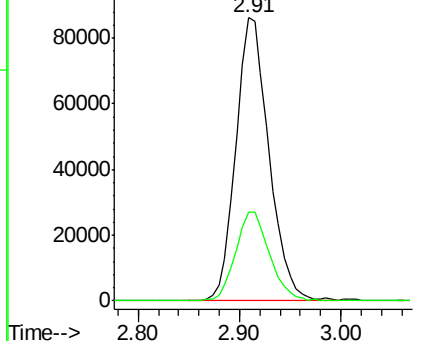
64 100

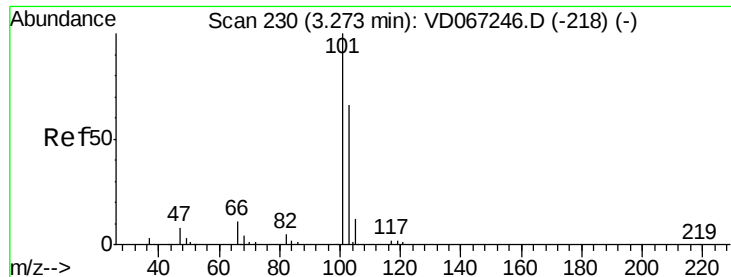
66 31.4 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

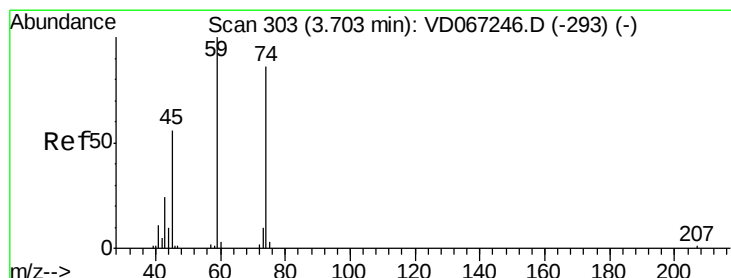
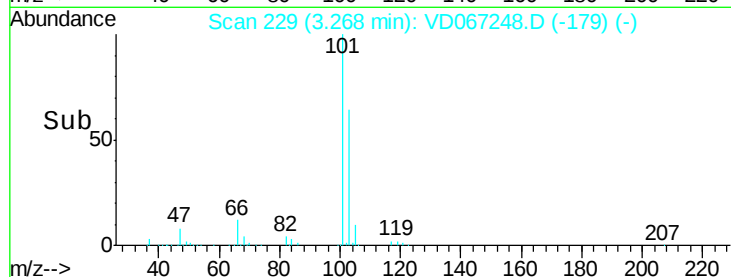
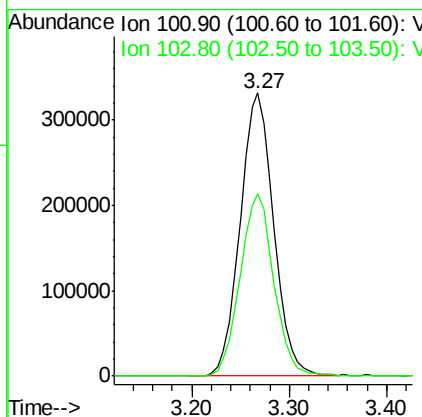
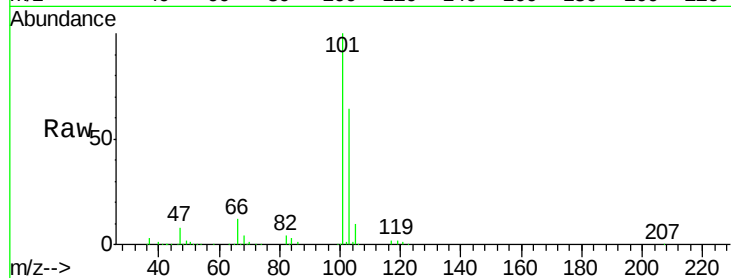
Trichlorofluoromethane
Concen: 128.834 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

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VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
101	100	797496		
103	64.4	53.1	79.7	

Manual Integrations
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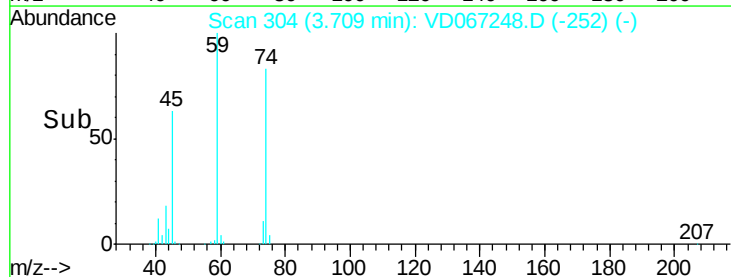
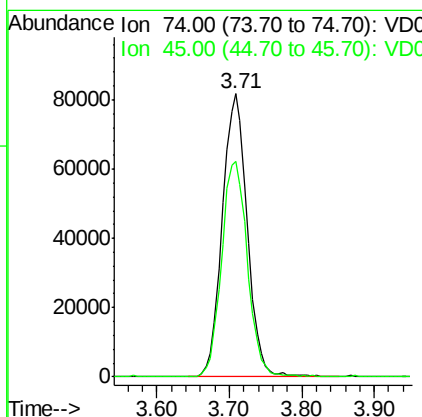
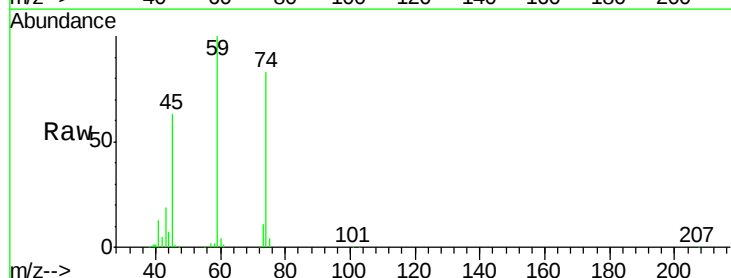
MMDadoda
10/14/2020 2:10:15 PM

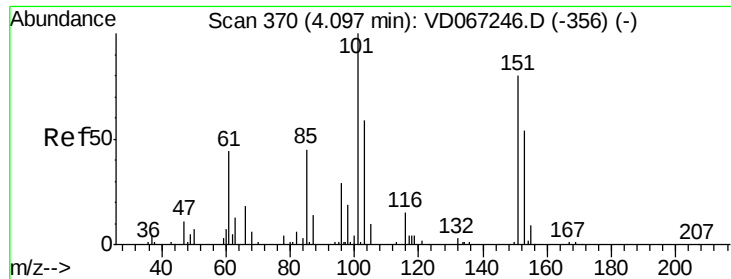


#8

Diethyl Ether
Concen: 141.391 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	195032		
45	78.8	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 128.276 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

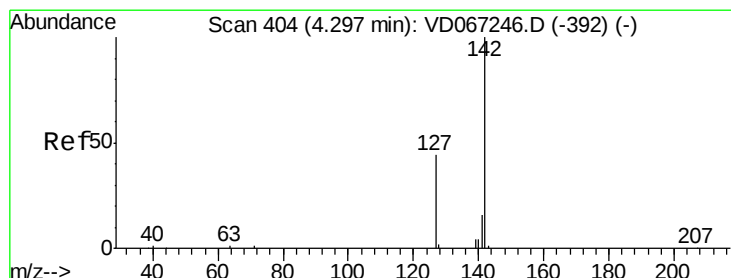
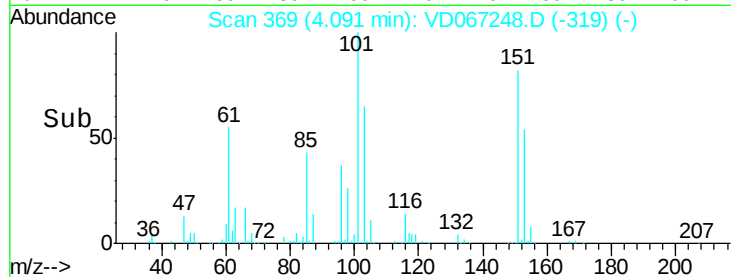
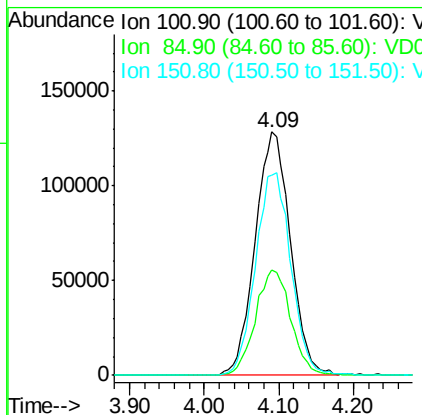
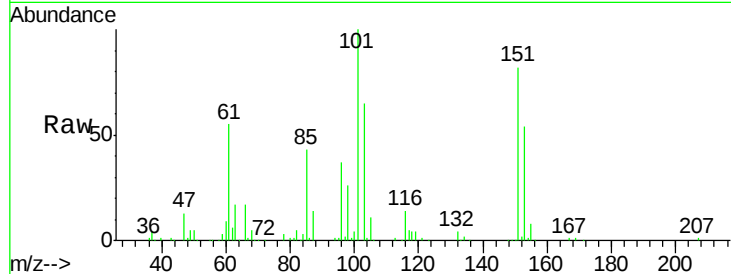
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	421712
Ion Ratio	Lower	Upper	
101	100		
85	43.2	34.2	51.4
151	83.7	66.3	99.5

Manual Integrations
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MMDadoda
10/14/2020 2:10:15 PM



#10

Methyl Iodide

Concen: 184.153 ug/l

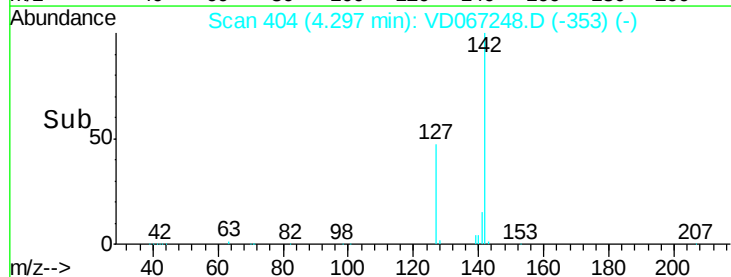
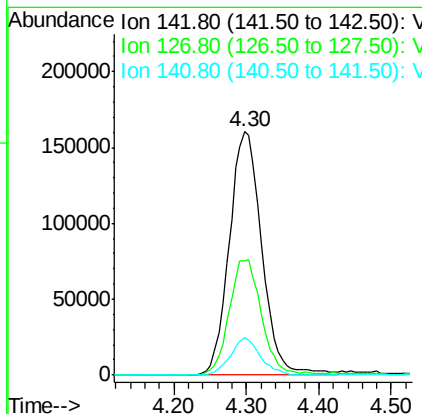
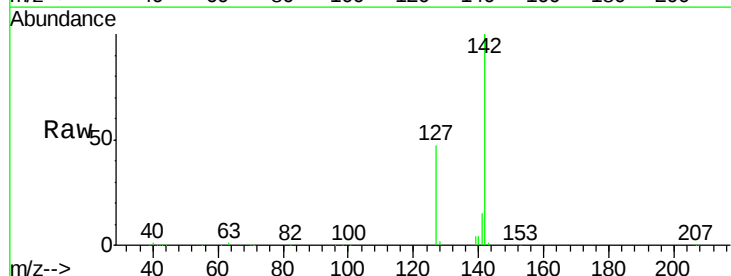
RT: 4.30 min Scan# 404

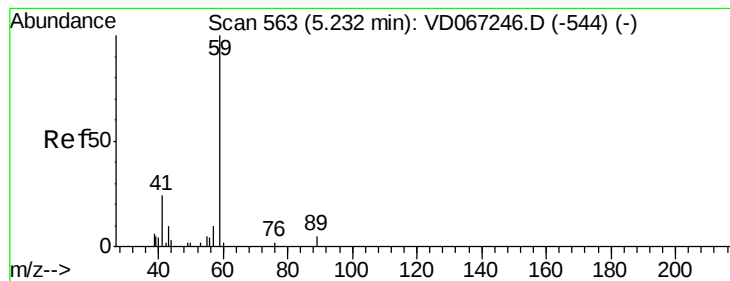
Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tgt Ion:	142	Resp:	500205
Ion Ratio	Lower	Upper	
142	100		
127	46.7	38.4	57.6
141	14.1	11.6	17.4





#11

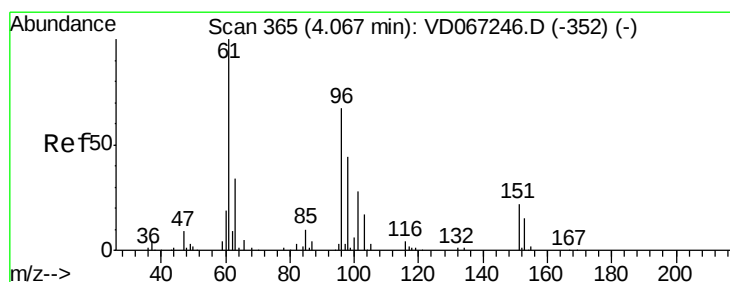
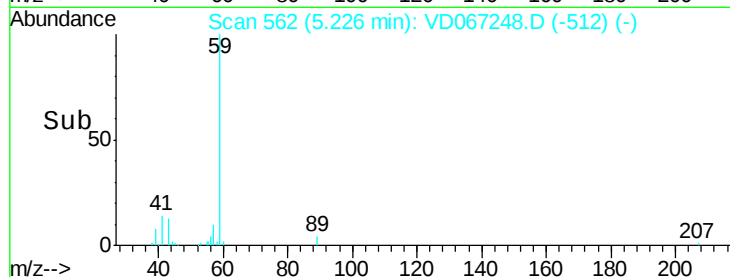
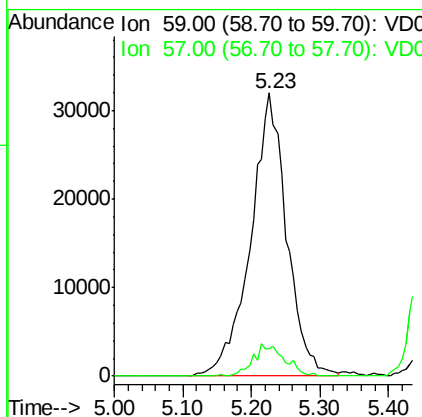
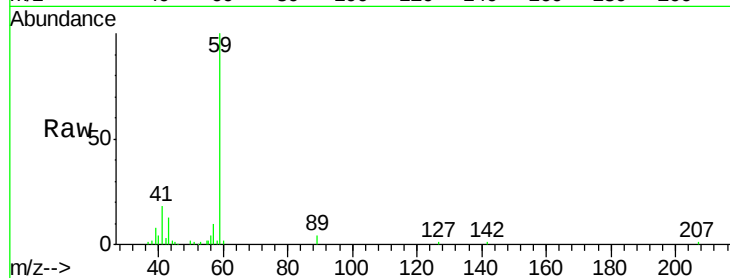
Tert butyl alcohol
Concen: 402.109 ug/l
RT: 5.23 min Scan# 562
Delta R.T. -0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.8	5.1	7.7#

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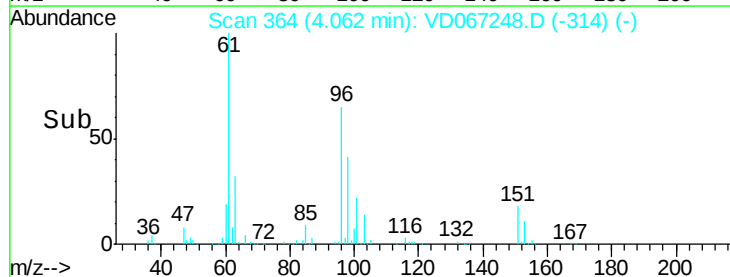
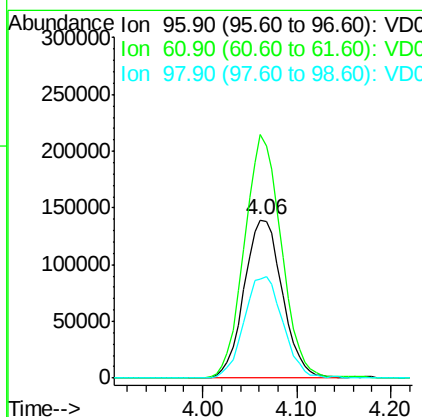
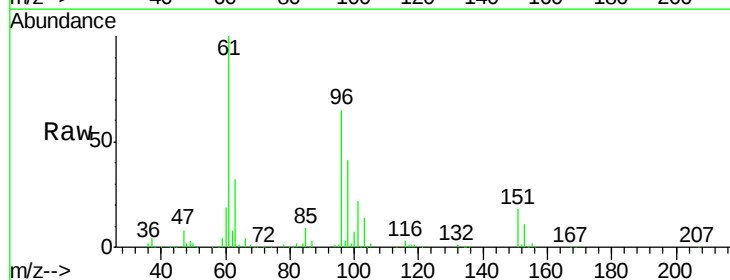
MMDadoda
10/14/2020 2:10:15 PM

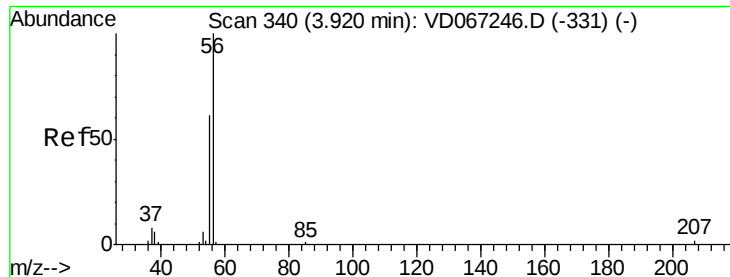


#12

1,1-Dichloroethene
Concen: 136.060 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.1	118.6	177.8
98	62.8	51.8	77.6





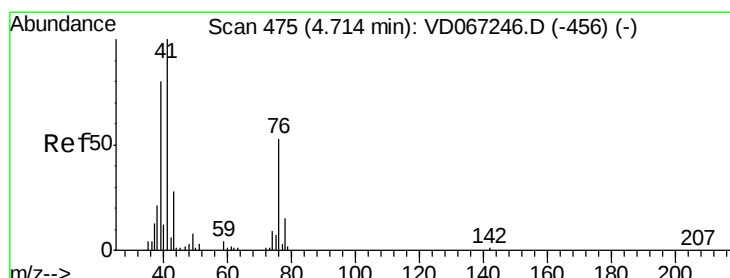
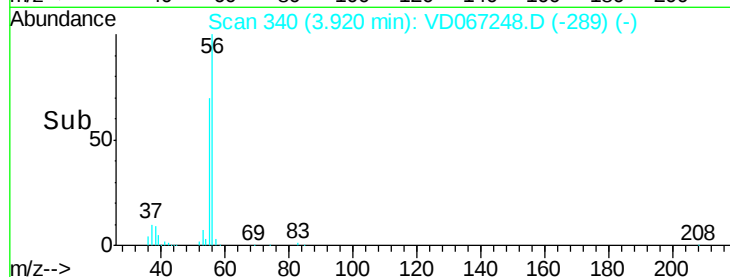
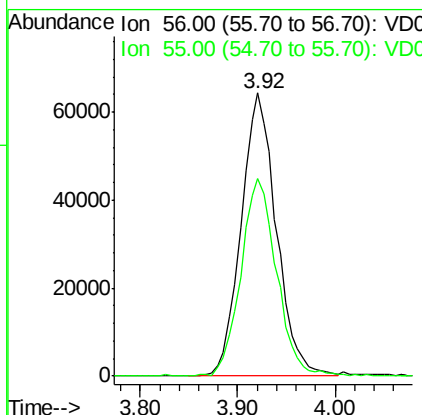
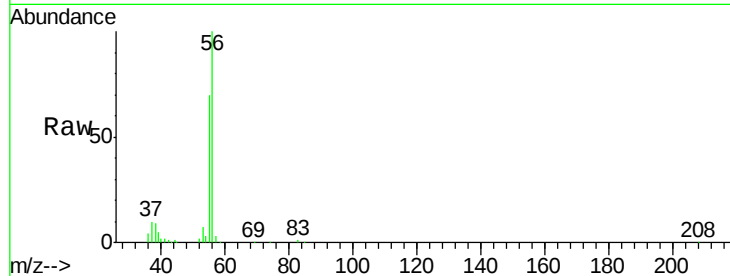
#13
Acrolein
Concen: 1039.154 ug/l
RT: 3.92 min Scan# 340
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.0	84.0

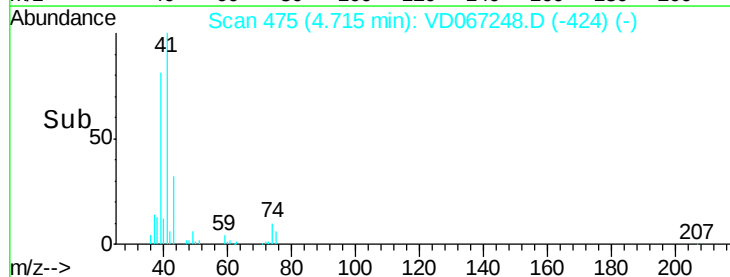
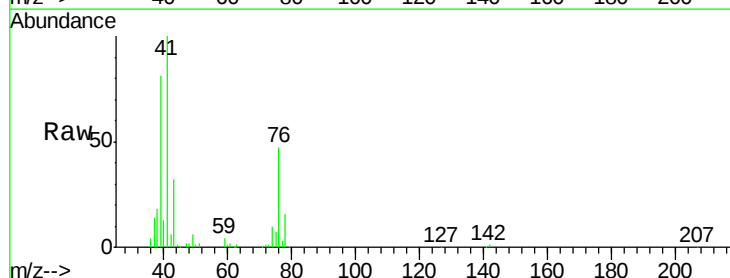
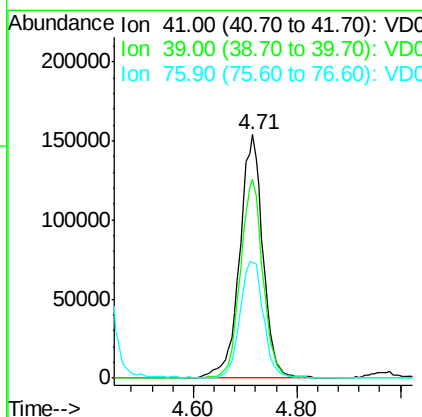
Manual Integrations
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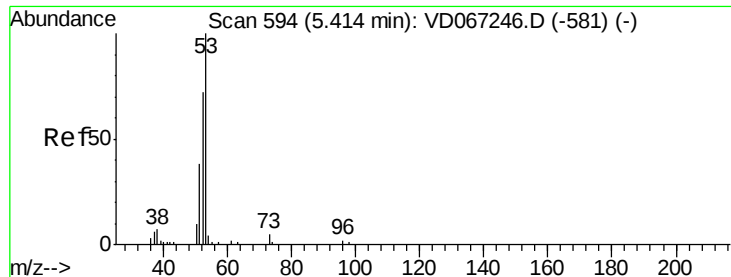
MMDadoda
10/14/2020 2:10:15 PM



#14
Allyl chloride
Concen: 149.009 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
41	100		
39	78.6	63.8	95.6
76	47.6	40.4	60.6





#15

Acrylonitrile

Concen: 719.237 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

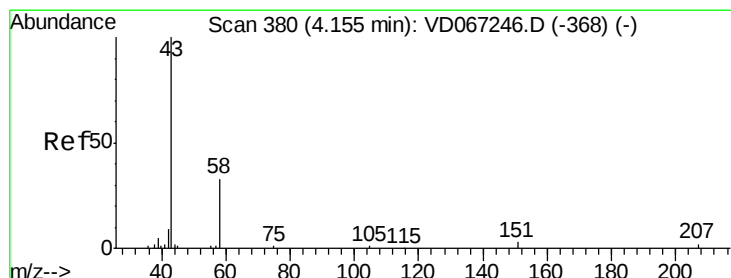
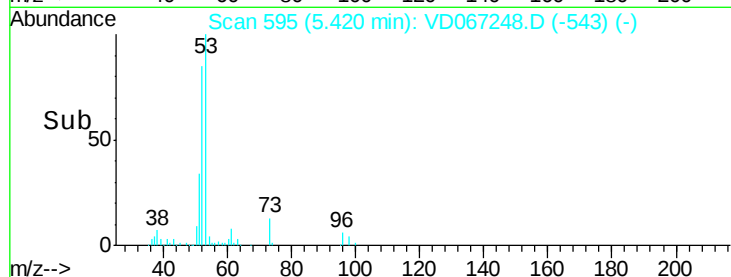
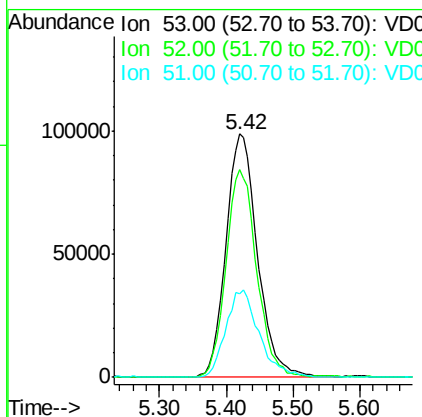
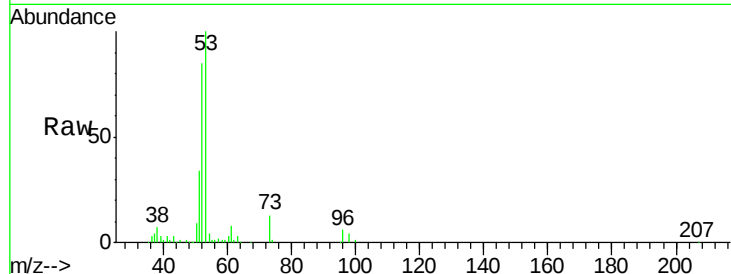
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	327250
Ion Ratio	Lower	Upper	
53	100		
52	82.9	65.6	98.4
51	38.0	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 687.730 ug/l

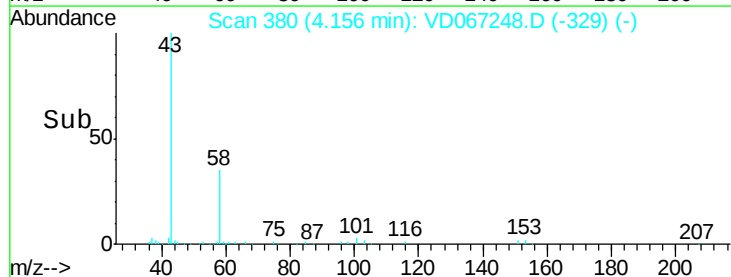
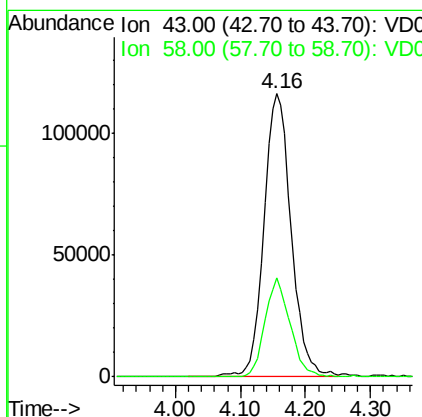
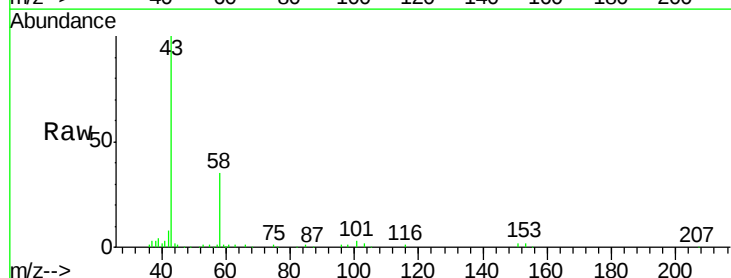
RT: 4.16 min Scan# 380

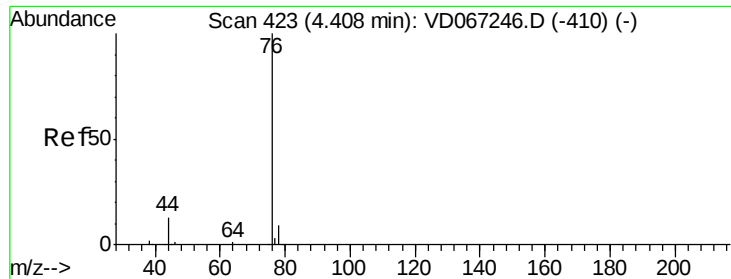
Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tgt Ion:	43	Resp:	336511
Ion Ratio	Lower	Upper	
43	100		
58	34.9	26.1	39.1





#17

Carbon Disulfide

Concen: 136.306 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1125375

Ion Ratio Lower Upper

76 100

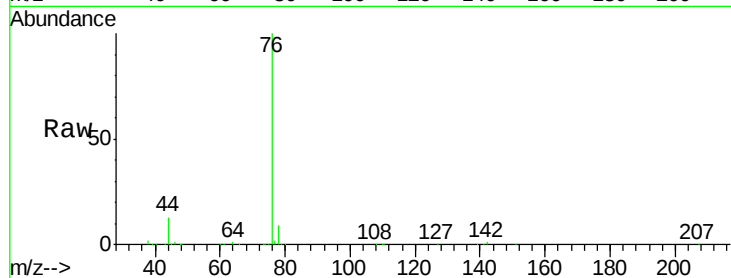
78 9.1 7.4 11.0

Manual Integrations

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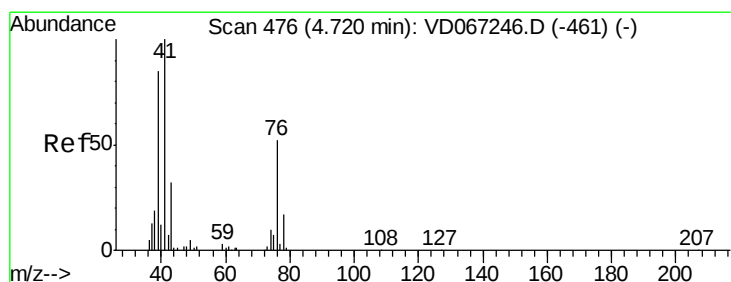
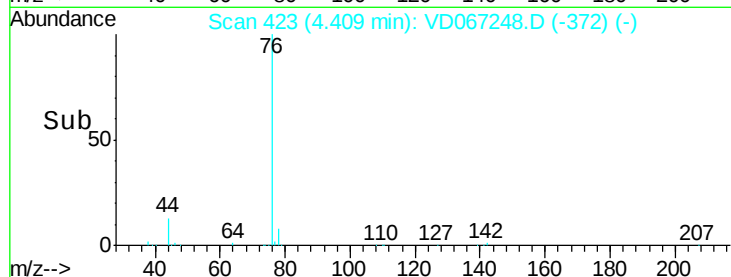
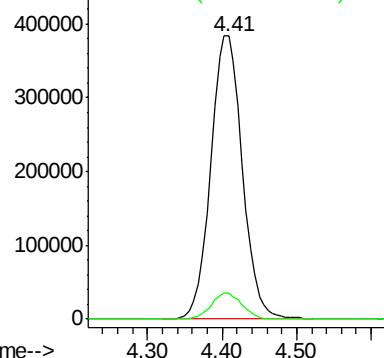
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 134.389 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067248.D

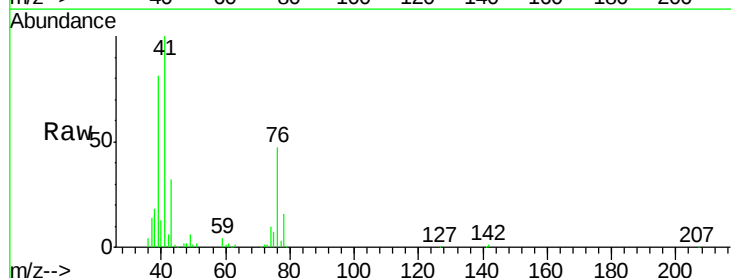
Acq: 13 Oct 2020 12:43

Tgt Ion: 43 Resp: 150998

Ion Ratio Lower Upper

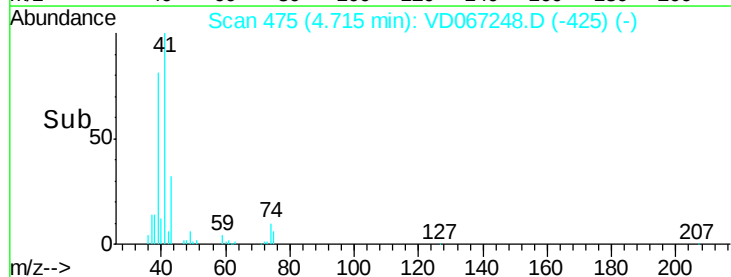
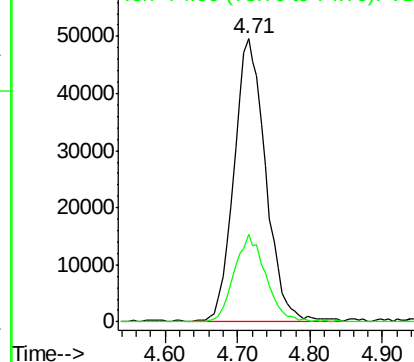
43 100

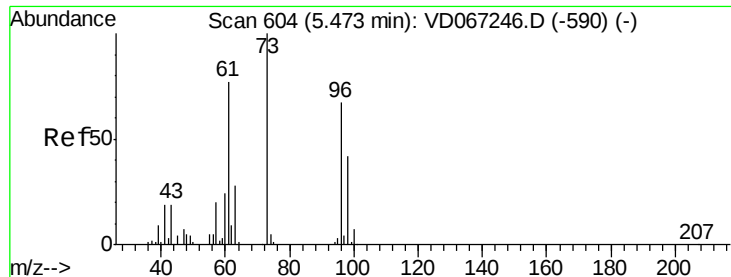
74 30.4 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





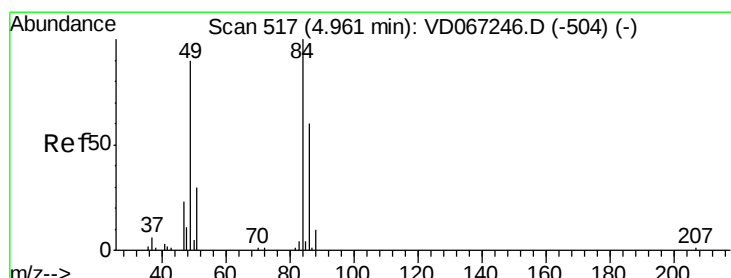
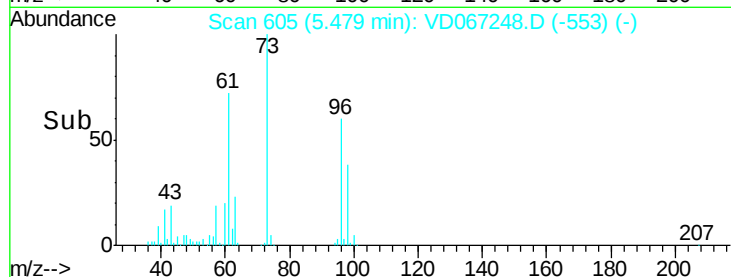
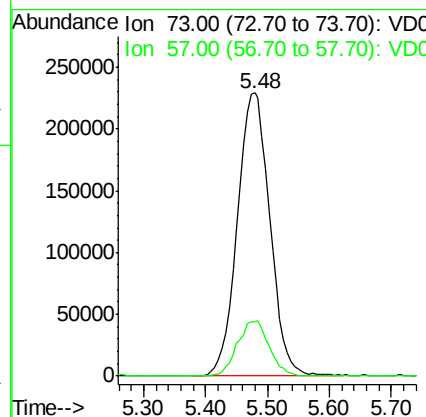
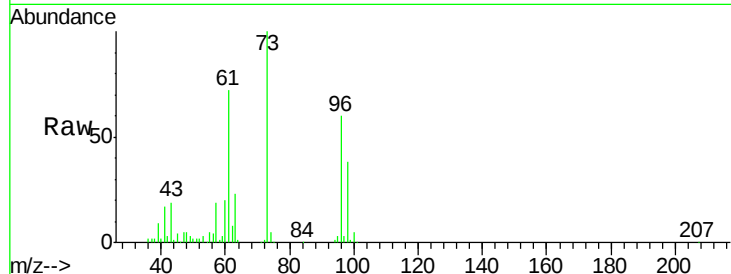
#19
Methvl tert-butvl Ether
Concen: 150.552 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 73 Resp: 838814
Ion Ratio Lower Upper
73 100
57 19.2 15.7 23.5

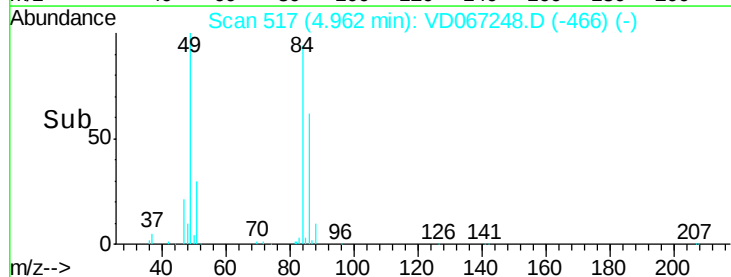
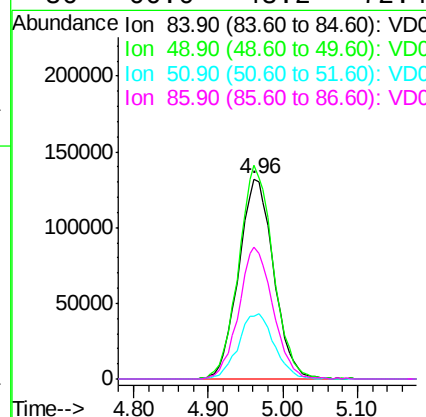
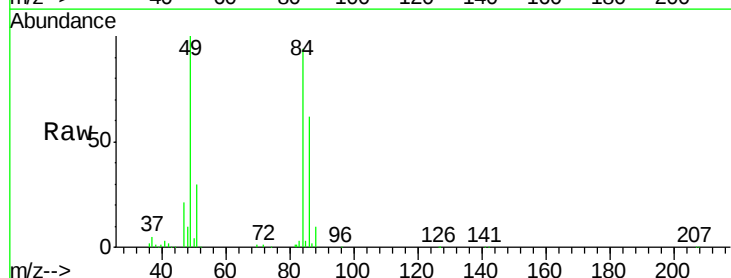
Manual Integrations
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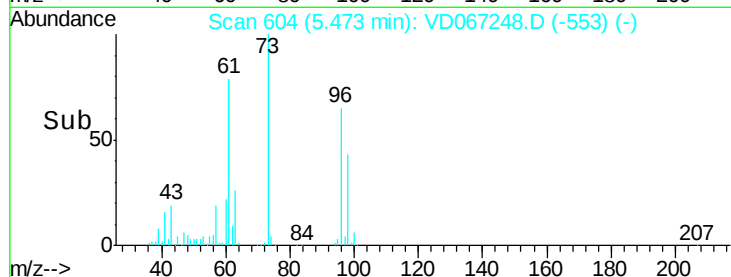
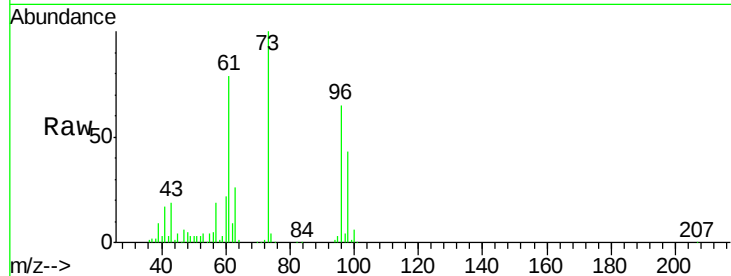
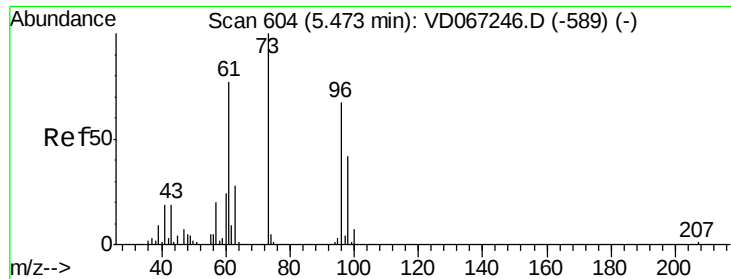
MMDadoda
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#20
Methylene Chloride
Concen: 109.630 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion: 84 Resp: 431751
Ion Ratio Lower Upper
84 100
49 106.9 72.2 108.2
51 31.7 23.8 35.8
86 66.0 48.2 72.4





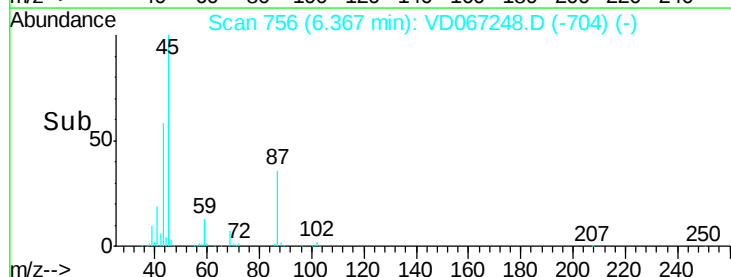
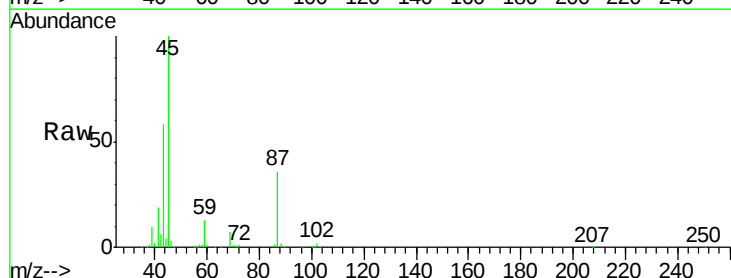
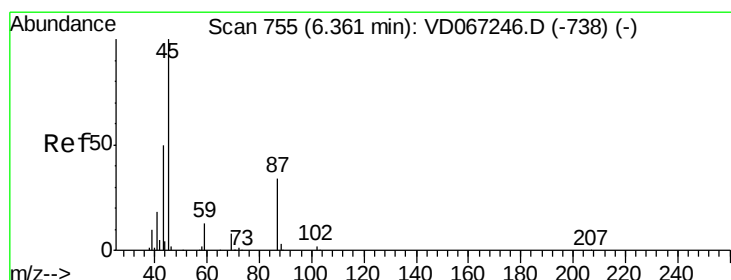
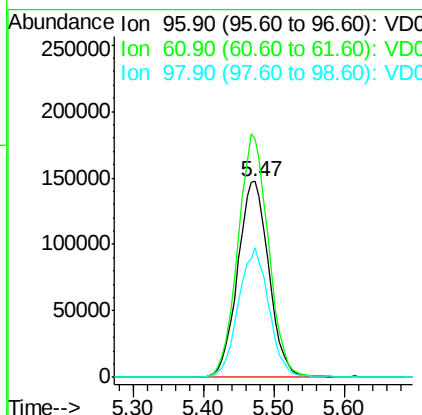
#21
trans-1,2-Dichloroethene
Concen: 137.415 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tot Ion	Ratio	Resp	Lower	Upper
96	100	454487		
61	121.9		92.0	138.0
98	65.9		49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

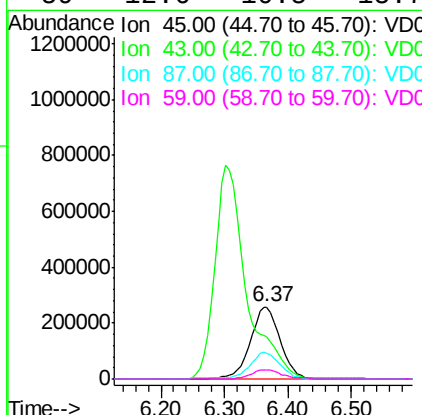
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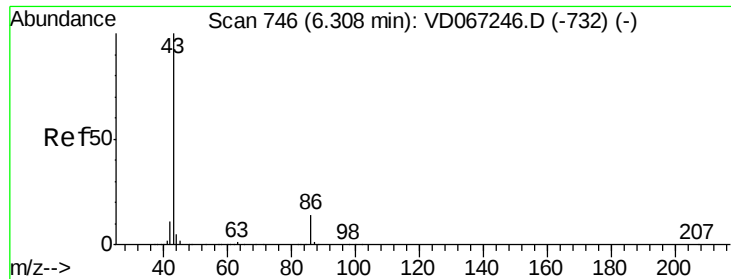
MMDadoda
10/14/2020 2:10:15 PM



#22
Diisopropyl ether
Concen: 143.215 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
45	100	851725		
43	57.6		48.0	72.0
87	36.3		28.5	42.7
59	12.6		10.5	15.7





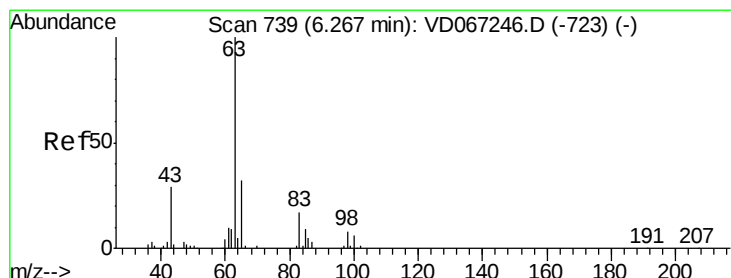
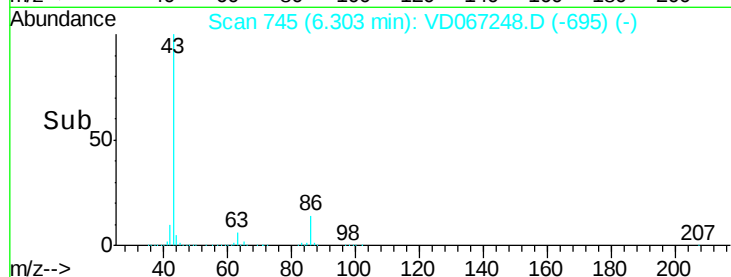
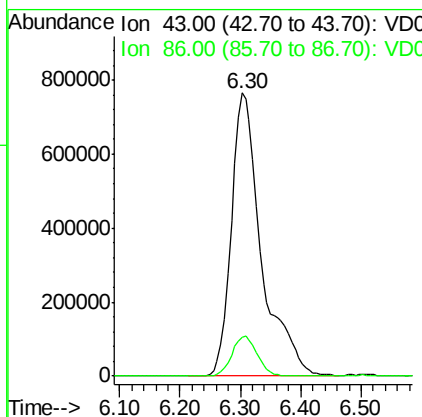
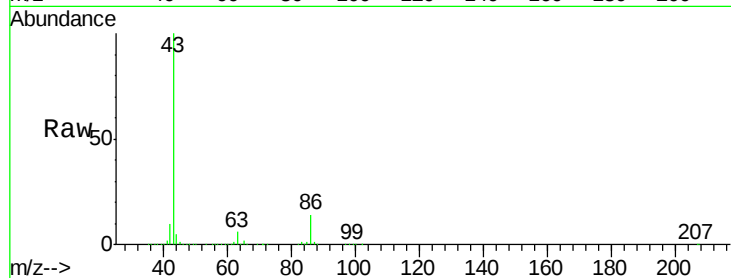
#23
 Vinyl Acetate
 Concen: 822.490 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 2654199
 Ion Ratio Lower Upper
 43 100
 86 13.8 11.0 16.6

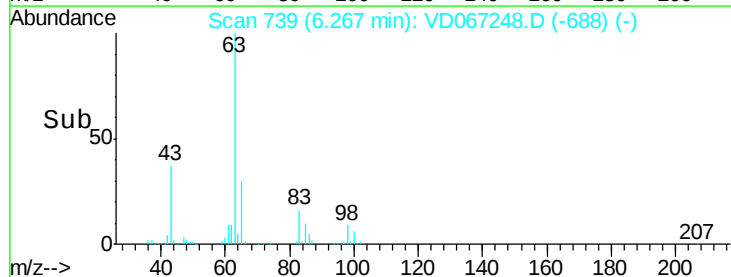
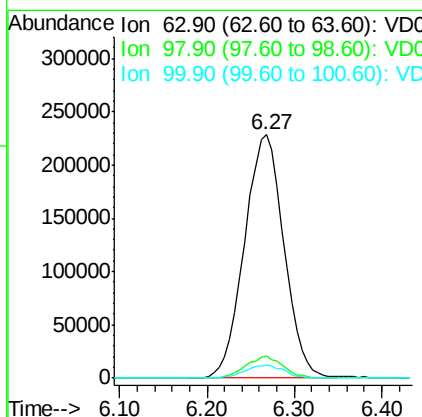
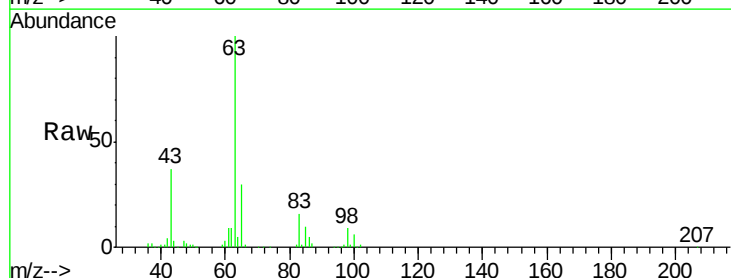
Manual Integrations
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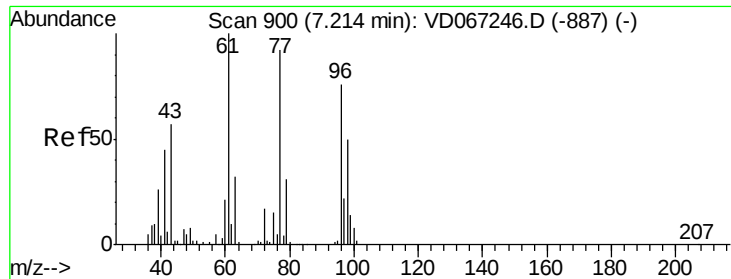
MMDadoda
 10/14/2020 2:10:15 PM



#24
 1,1-Dichloroethane
 Concen: 136.126 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion: 63 Resp: 705334
 Ion Ratio Lower Upper
 63 100
 98 8.9 4.0 12.2
 100 5.6 2.8 8.4





#25

2-Butanone

Concen: 717.394 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 394358

Ion Ratio Lower Upper

43 100

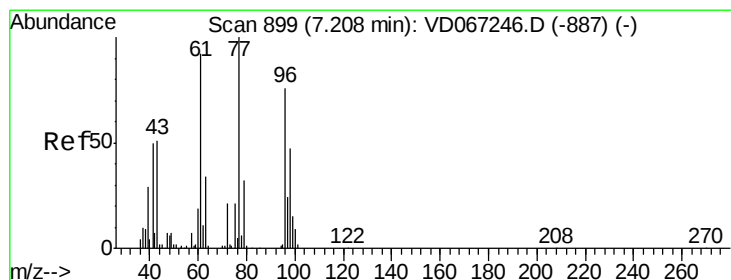
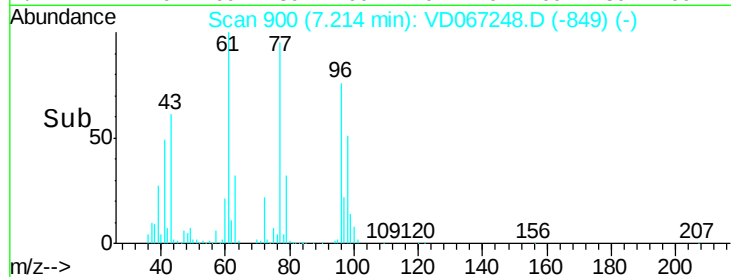
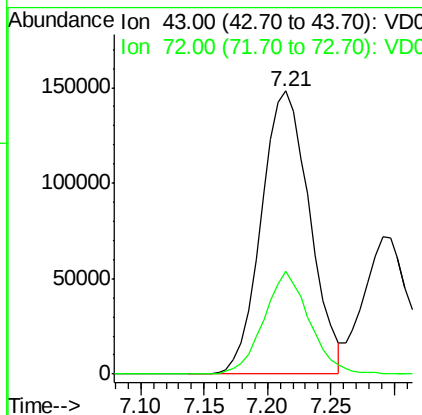
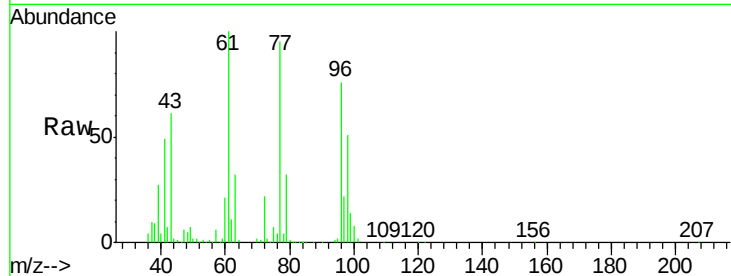
72 36.5 23.7 35.5#

Manual Integrations

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MMDadoda

10/14/2020 2:10:15 PM



#26

2,2-Dichloropropane

Concen: 129.786 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067248.D

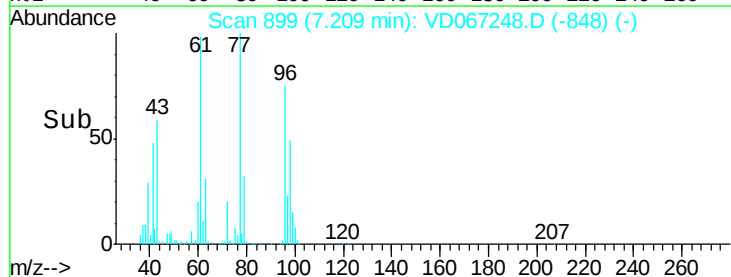
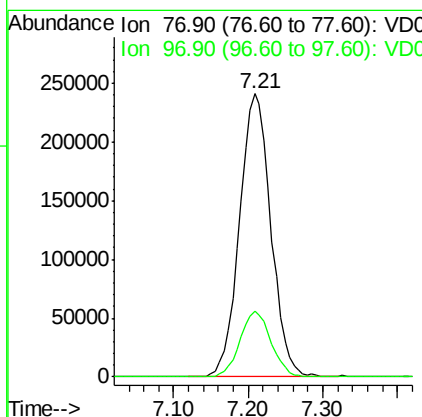
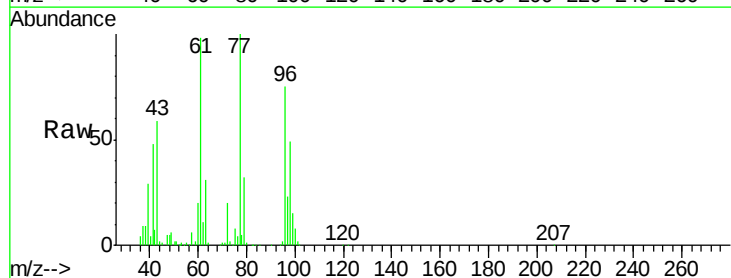
Acq: 13 Oct 2020 12:43

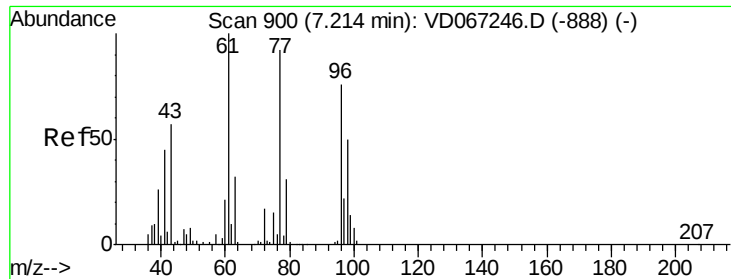
Tgt Ion: 77 Resp: 702040

Ion Ratio Lower Upper

77 100

97 22.9 11.4 34.2





#27

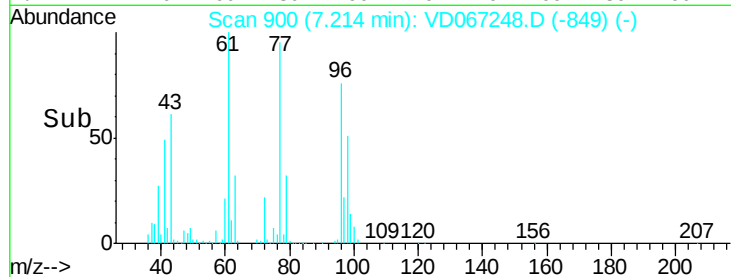
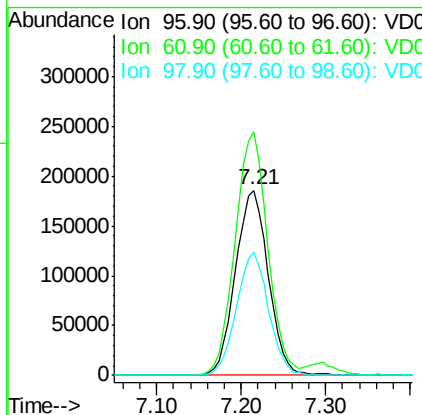
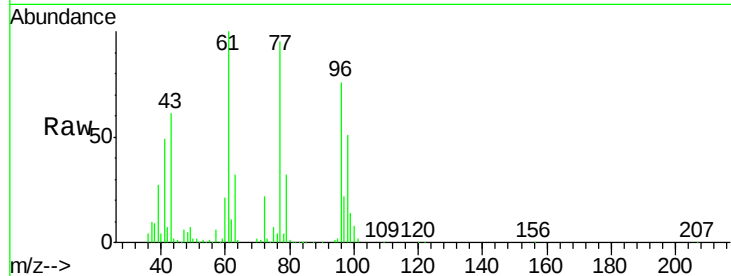
cis-1,2-Dichloroethene
Concen: 137.901 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.6	0.0	255.4	
98	65.4	0.0	128.0	

Manual Integrations
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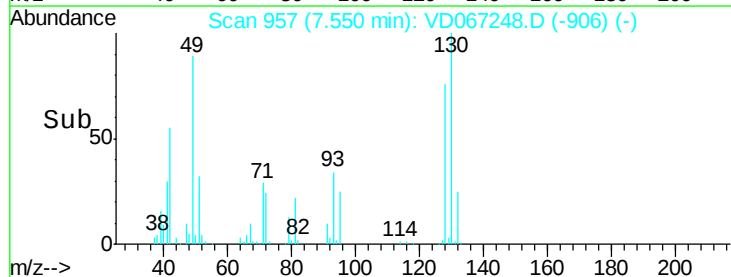
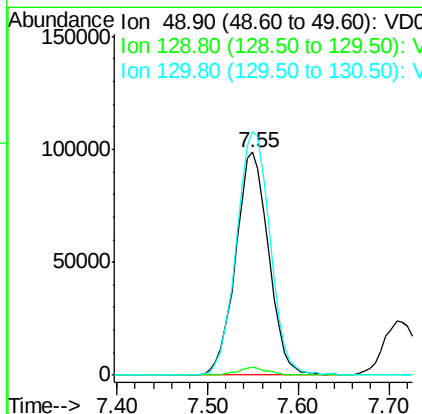
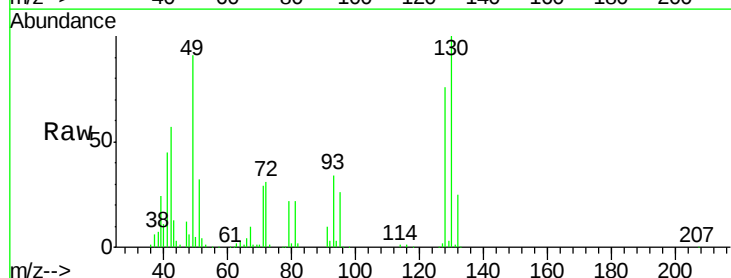
MMDadoda
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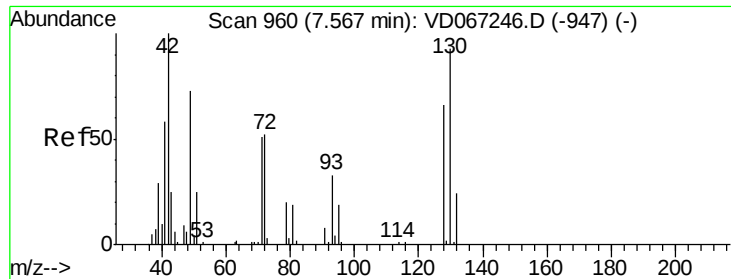


#28

Bromochloromethane
Concen: 144.324 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	3.1	0.0	1.6#	
130	111.7	91.0	136.6	





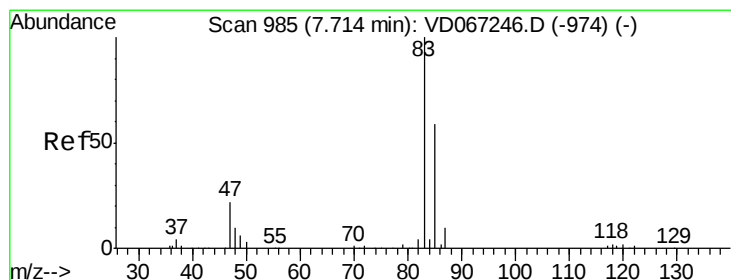
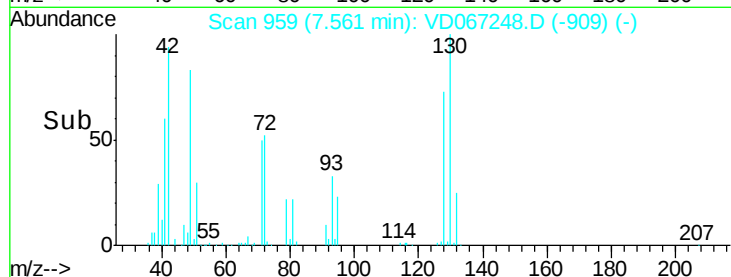
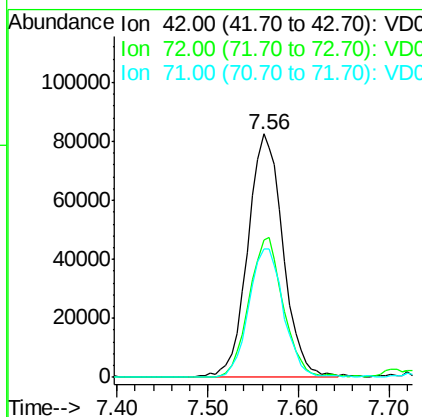
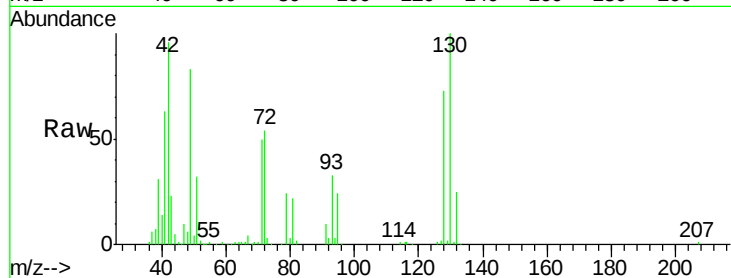
#29
Tetrahydrofuran
Concen: 736.272 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.0	43.2	64.8
71	52.2	39.4	59.0

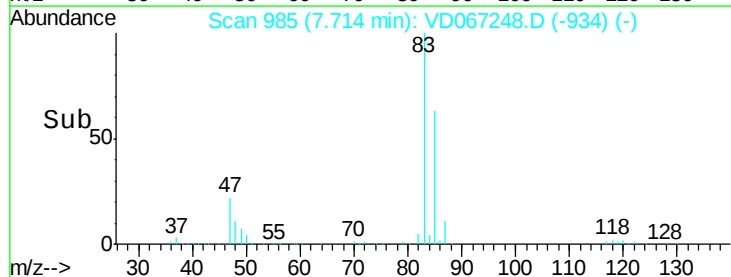
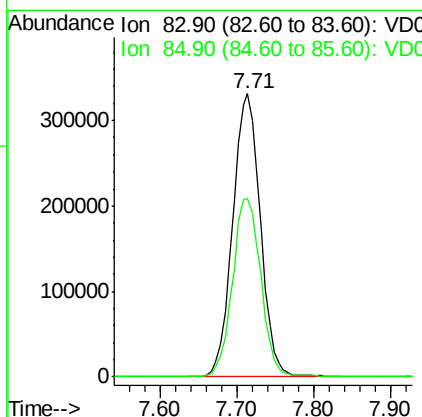
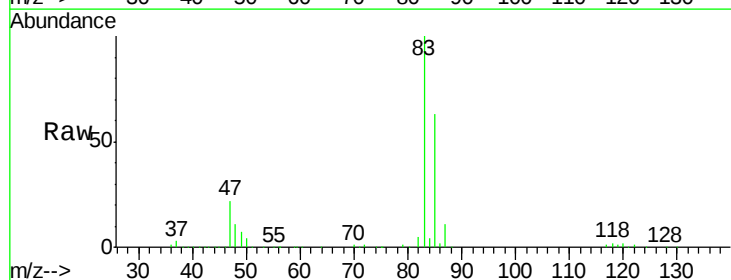
Manual Integrations
APPROVED

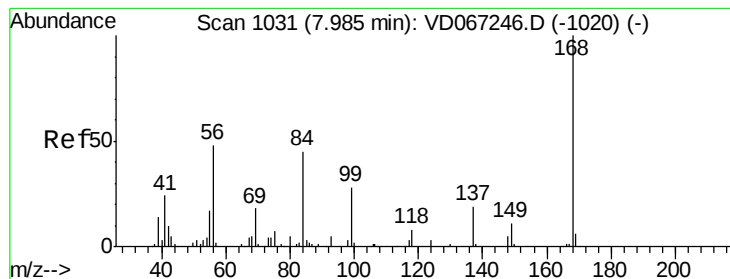
MMDadoda
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#30
Chloroform
Concen: 133.998 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	47.3	70.9





#31

Cyclohexane

Concen: 122.694 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 510585

Ion Ratio Lower Upper

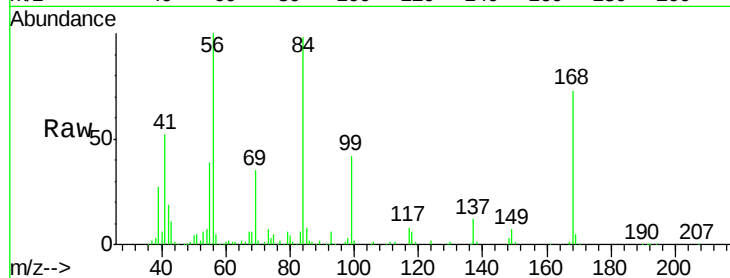
56 100

69 35.3 29.8 44.6

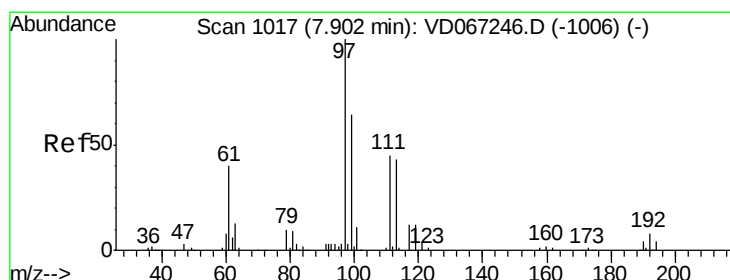
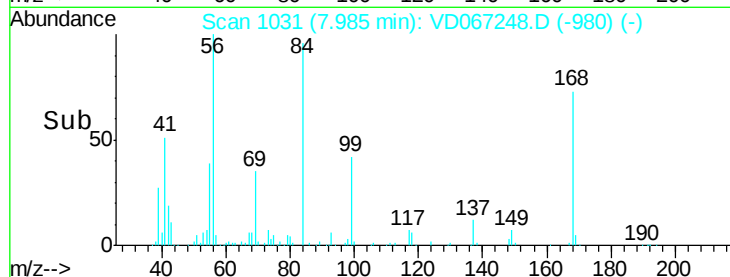
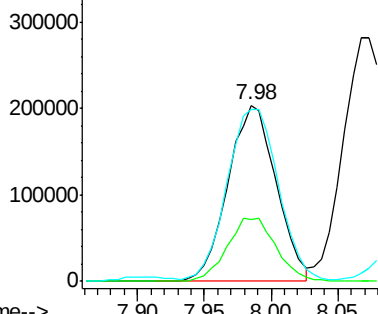
84 95.5 76.6 114.8

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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 134.100 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

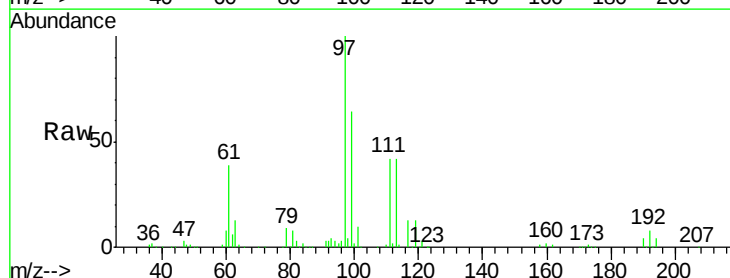
Tgt Ion: 97 Resp: 817892

Ion Ratio Lower Upper

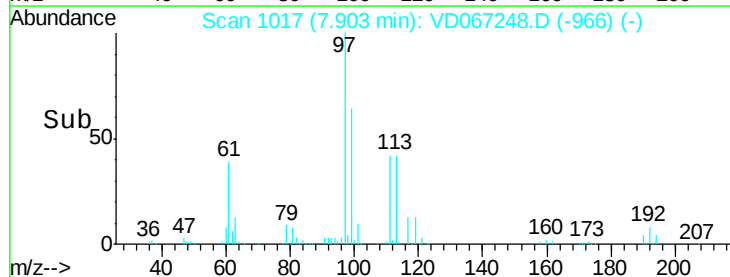
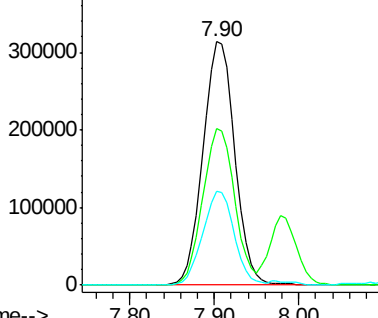
97 100

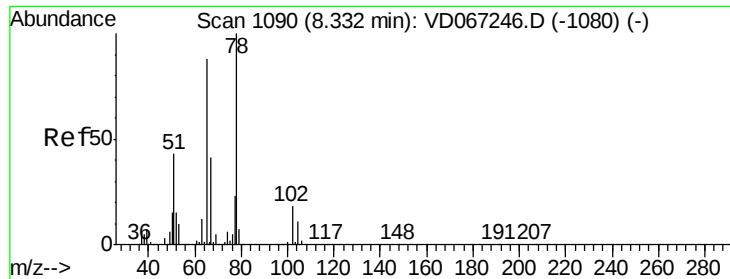
99 64.4 50.2 75.4

61 38.0 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 138.886 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tot Ion: 65 Resp: 483097

Ion Ratio Lower Upper

65 100

67 49.6 0.0 103.8

Instrument :

MSVOA_D

ClientSampleId :

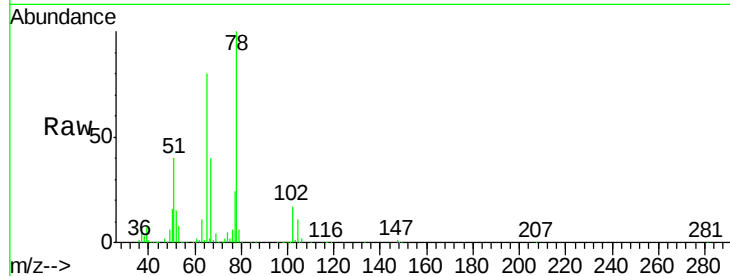
VSTDIC150

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

250000

200000

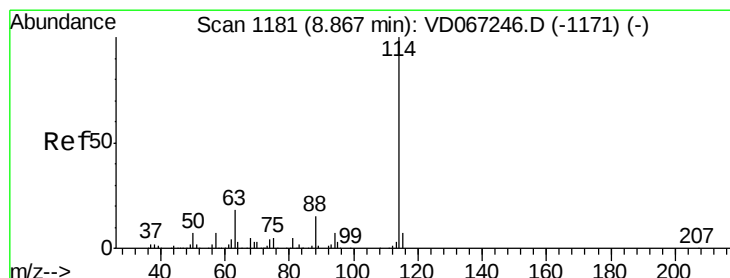
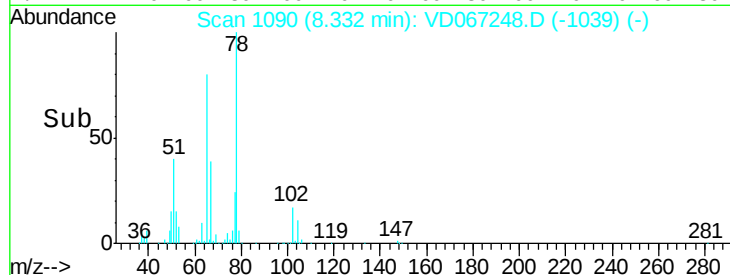
150000

100000

50000

0

Time--> 8.20 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

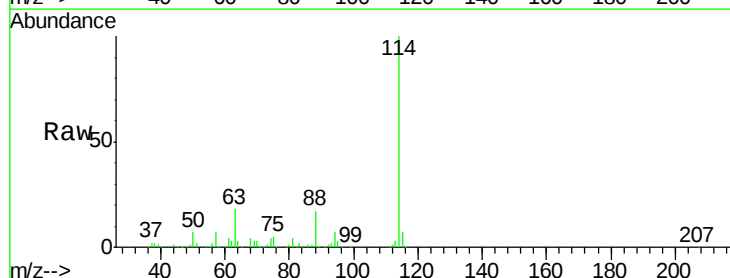
Tgt Ion: 114 Resp: 513946

Ion Ratio Lower Upper

114 100

63 18.0 0.0 35.0

88 16.7 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

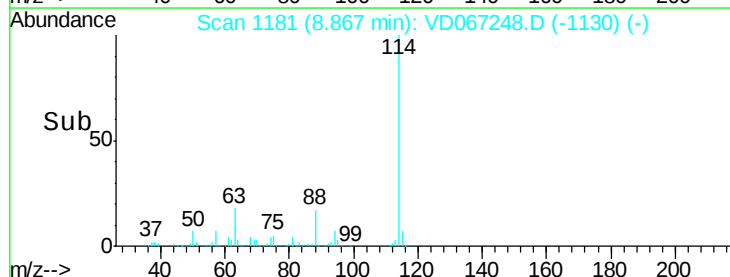
300000

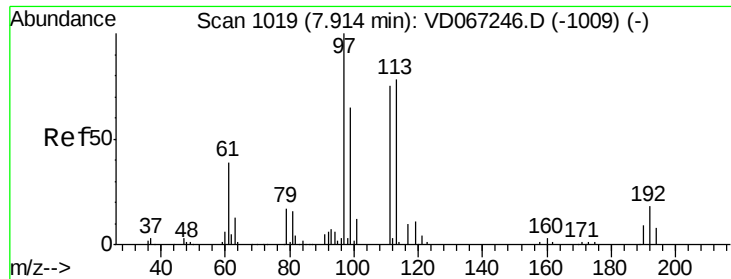
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95





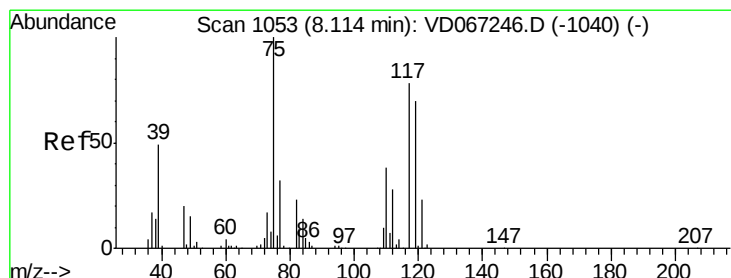
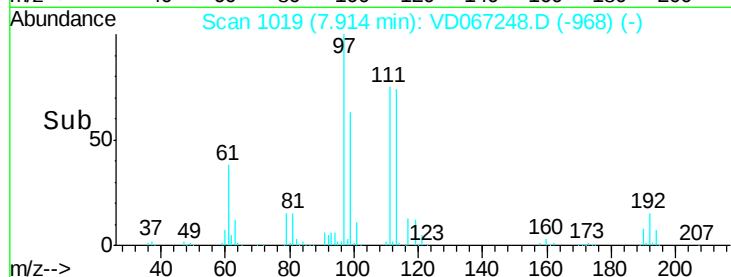
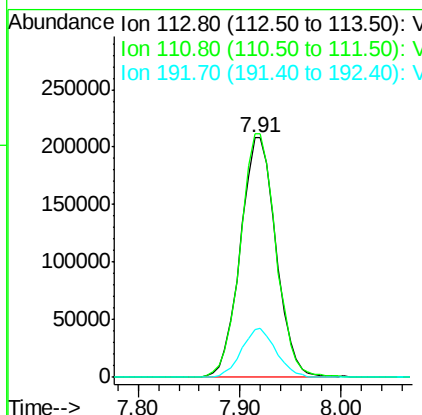
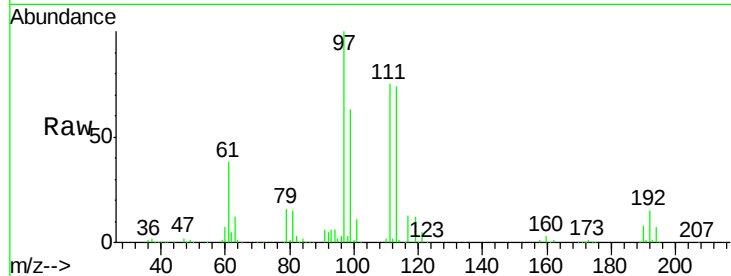
#35
Dibromofluoromethane
Concen: 147.940 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	506283		
111	101.4	81.6	122.4	
192	19.9	17.0	25.4	

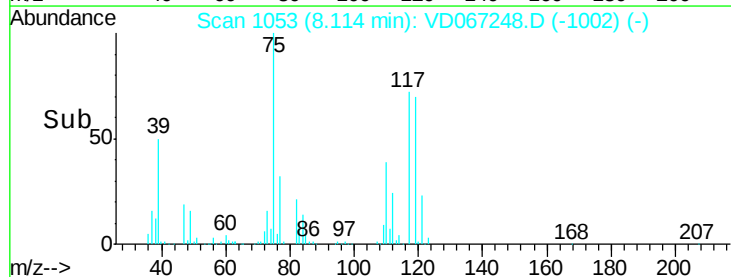
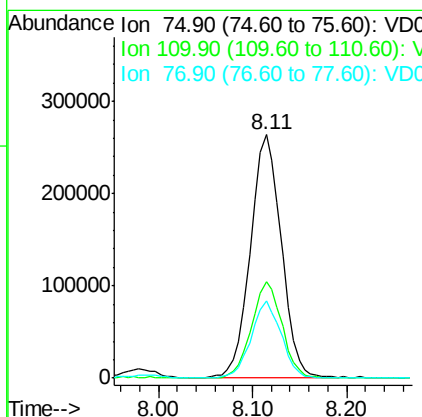
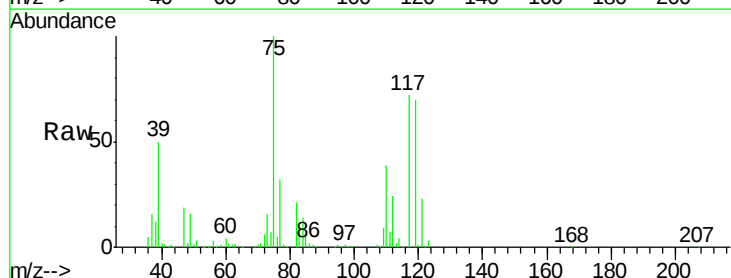
Manual Integrations
APPROVED

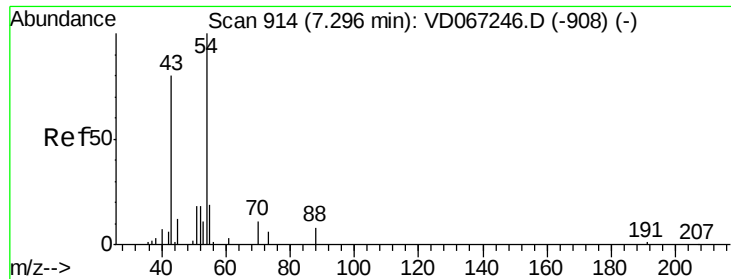
MMDadoda
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#36
1,1-Dichloropropene
Concen: 133.827 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	601707		
110	38.7	19.6	58.7	
77	30.7	24.6	37.0	





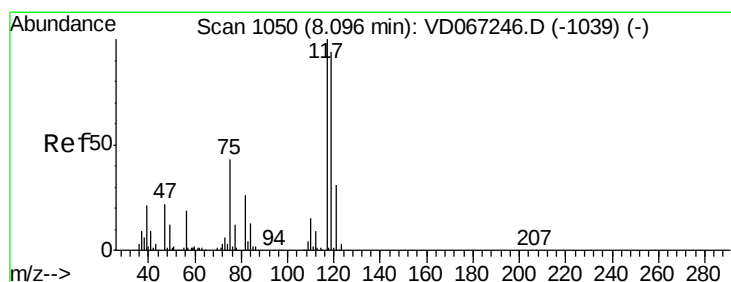
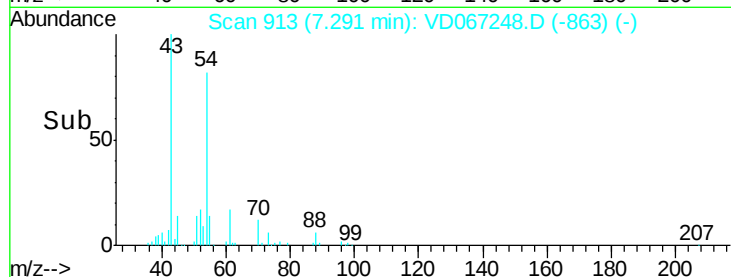
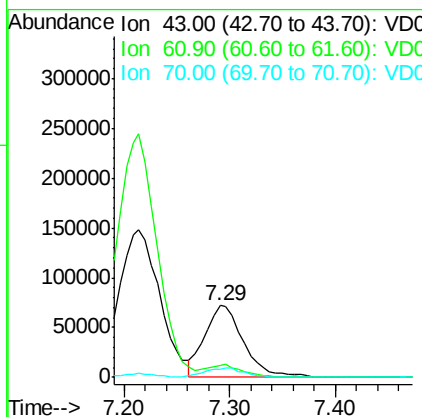
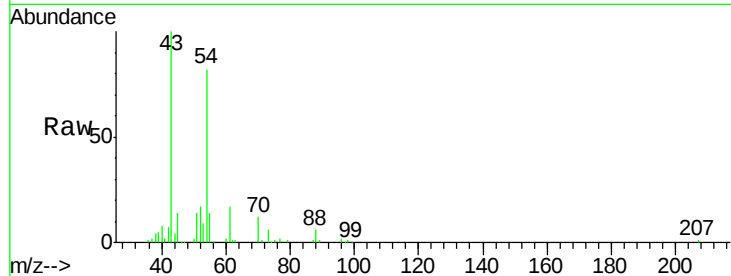
#37
Ethyl Acetate
Concen: 138.399 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.2	15.6	23.4#
70	13.8	10.4	15.6

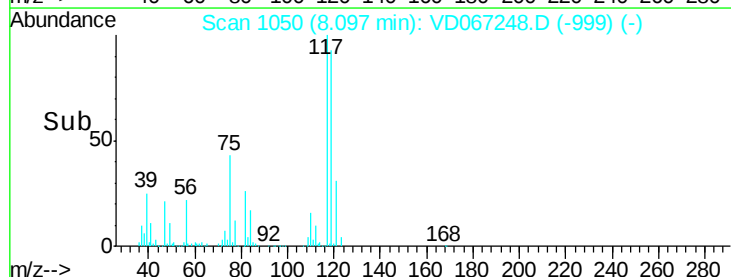
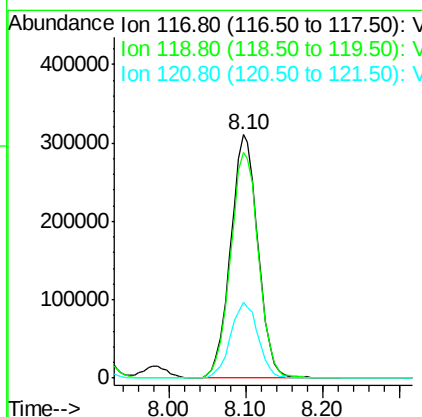
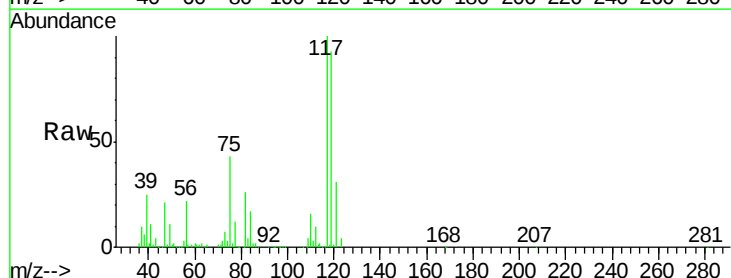
Manual Integrations
APPROVED

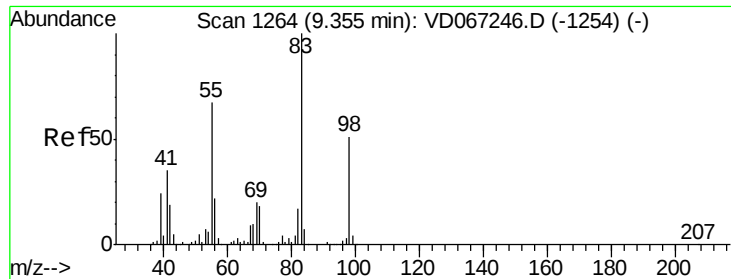
MMDadoda
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#38
Carbon Tetrachloride
Concen: 132.955 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.0	75.0	112.4
121	31.1	24.9	37.3





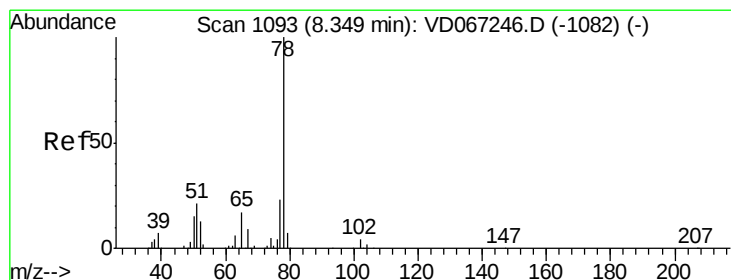
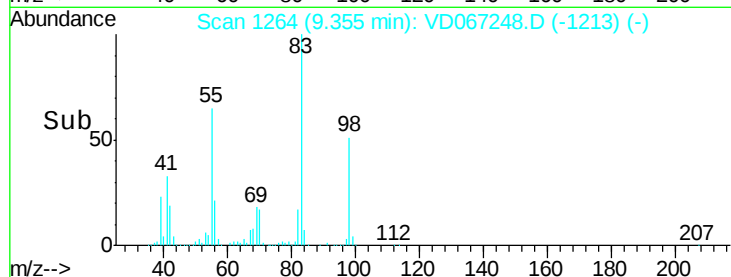
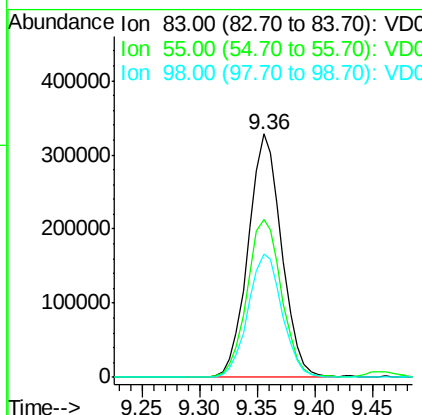
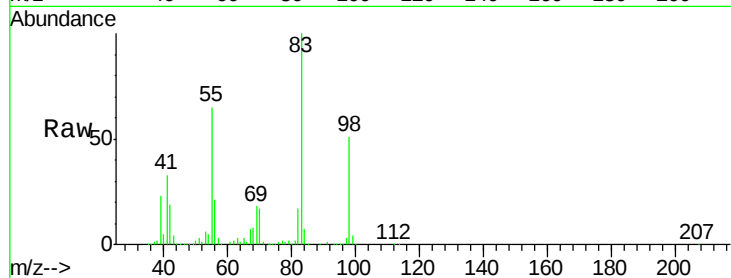
#39
Methvlcvclohexane
Concen: 143.856 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.7	53.3	79.9
98	50.5	41.0	61.4

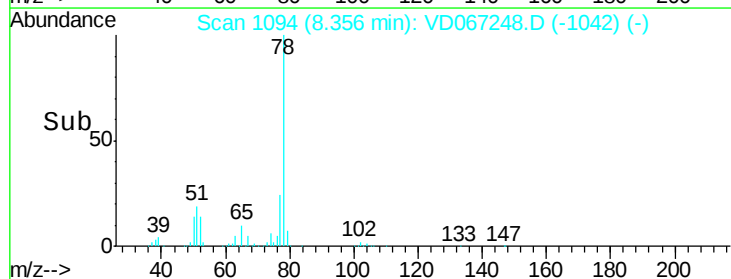
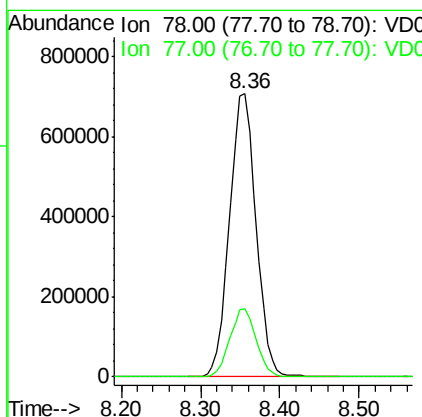
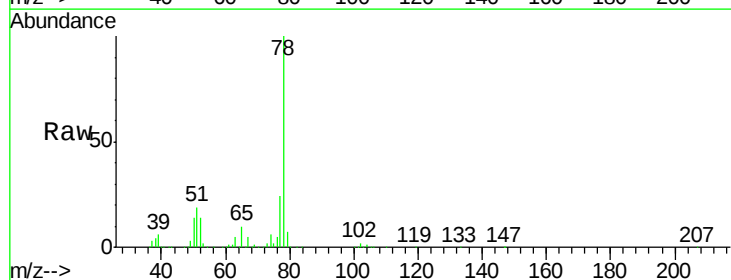
Manual Integrations
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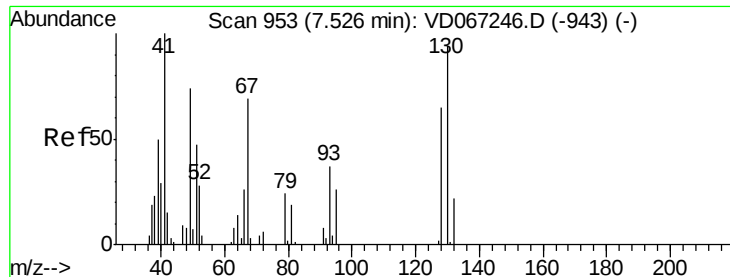
MMDadoda
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#40
Benzene
Concen: 132.559 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.3	27.5





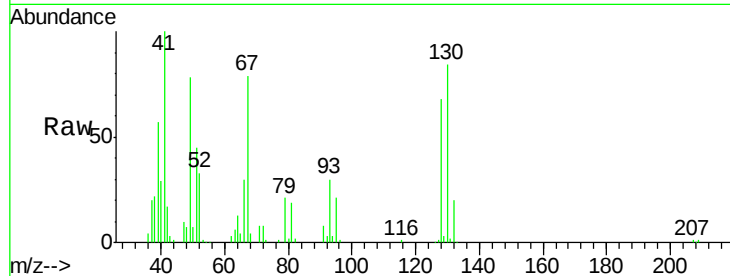
#41
Methacrylonitrile
Concen: 185.677 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

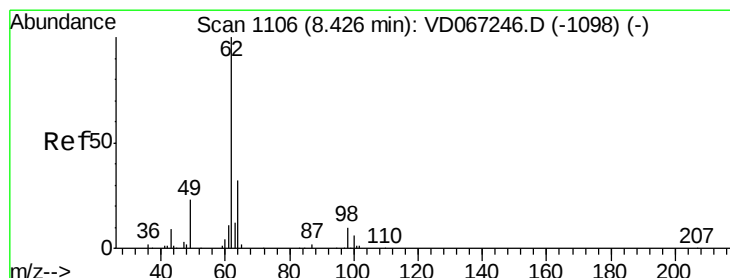
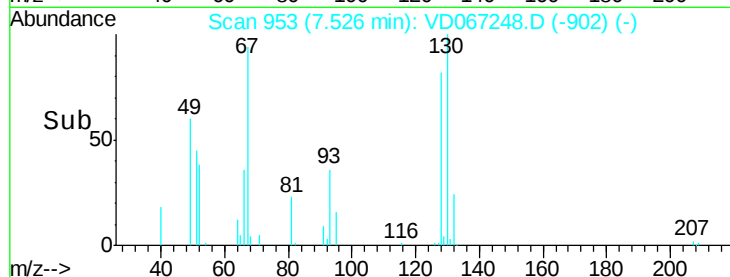
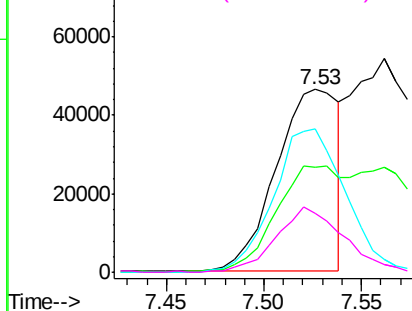
Tot Ion	Ratio	Lower	Upper
41	100		
39	66.6	60.0	90.0
67	91.1	88.9	133.3
52	38.9	36.9	55.3

Manual Integrations
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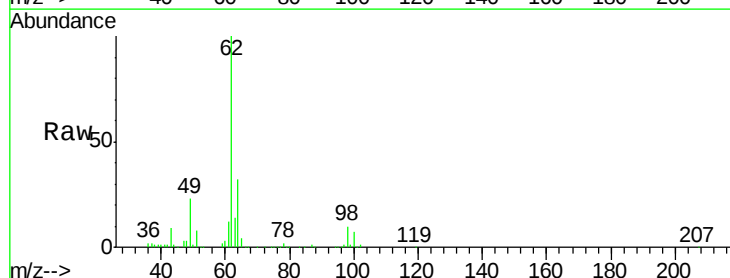


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

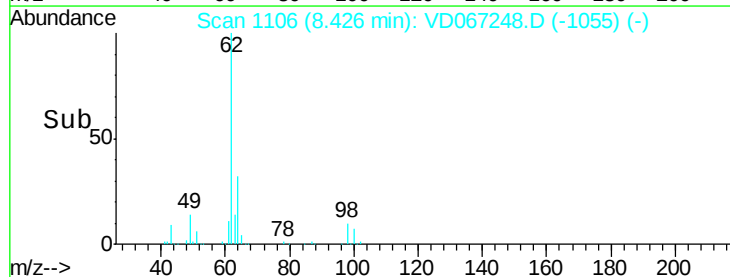
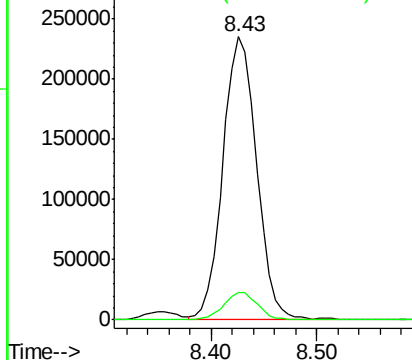


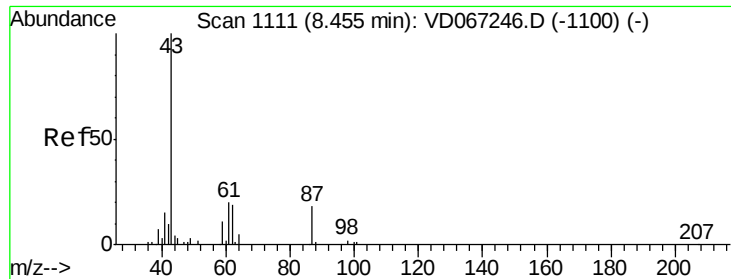
#42
1,2-Dichloroethane
Concen: 133.852 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





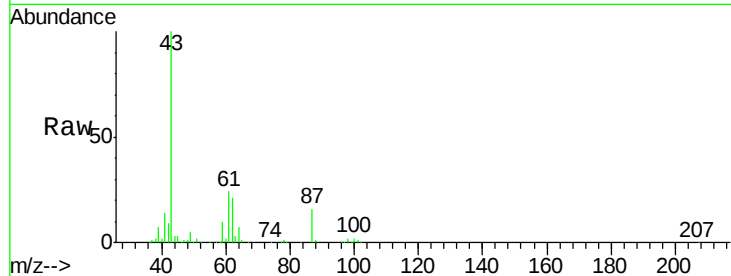
#43
Isopropyl Acetate
Concen: 147.969 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

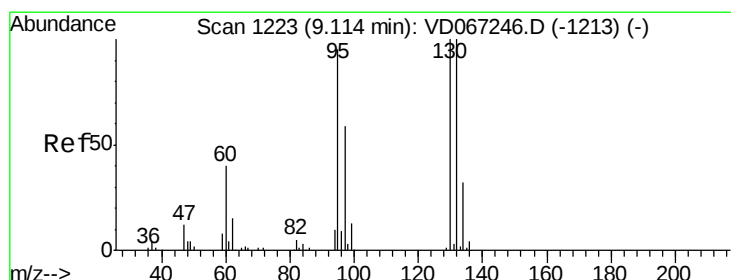
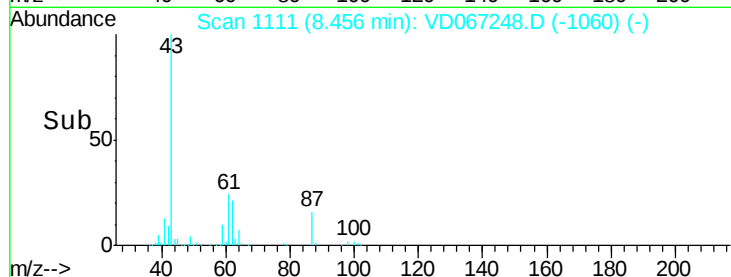
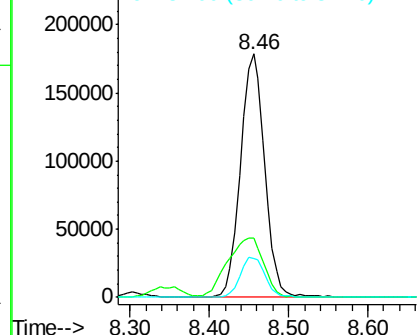
Tot Ion	Ratio	Lower	Upper
43	100		
61	36.3	29.5	44.3
87	16.9	14.2	21.4

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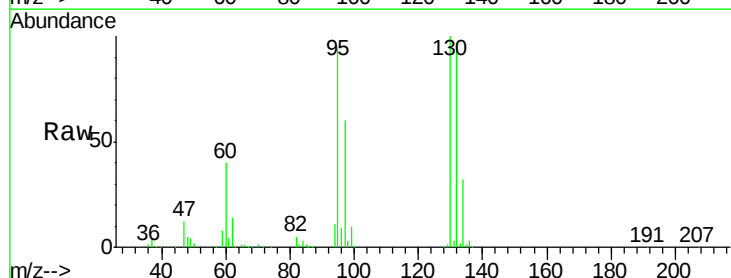


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

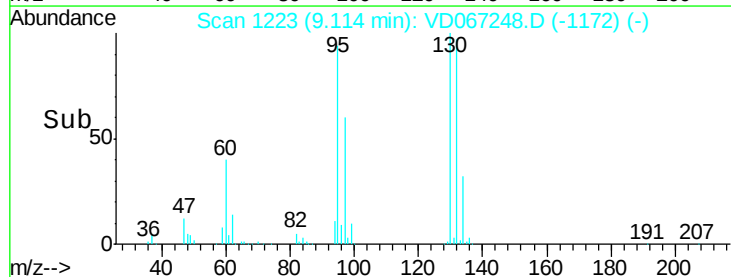
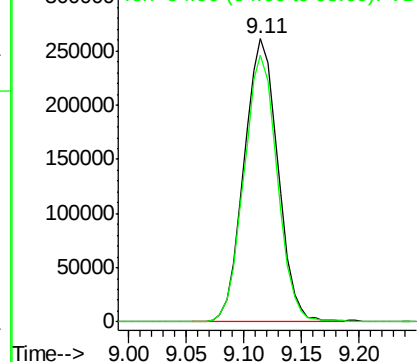


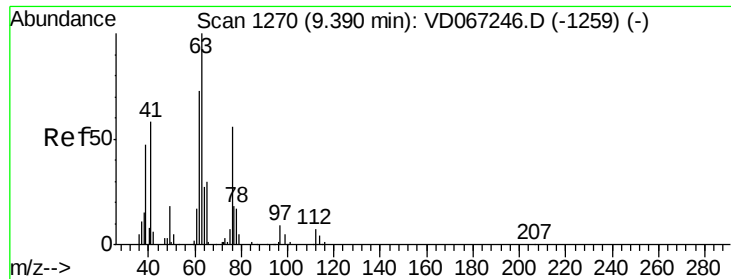
#44
Trichloroethene
Concen: 134.922 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 138.699 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 63 Resp: 394582

Ion Ratio Lower Upper

63 100

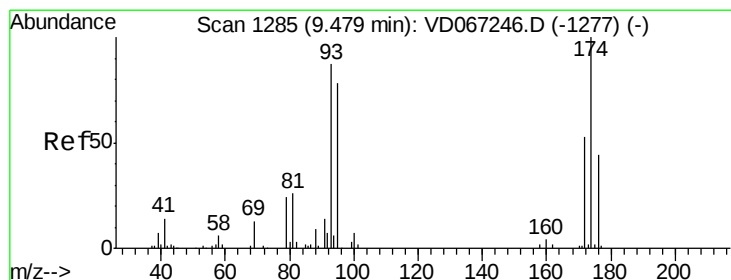
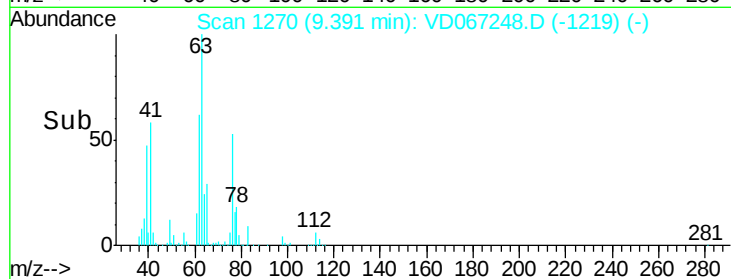
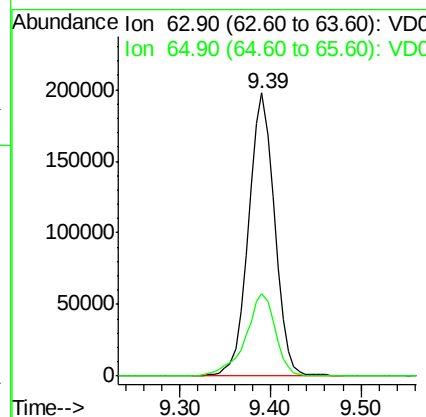
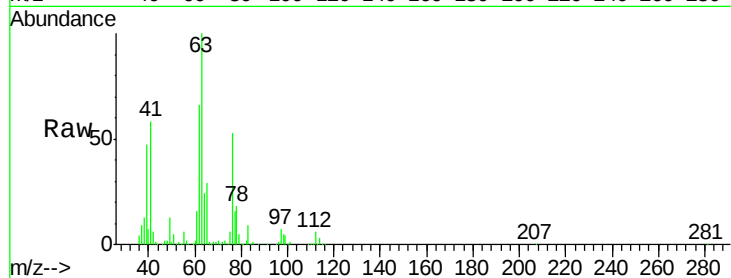
65 29.1 24.6 36.8

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#46

Dibromomethane

Concen: 131.699 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

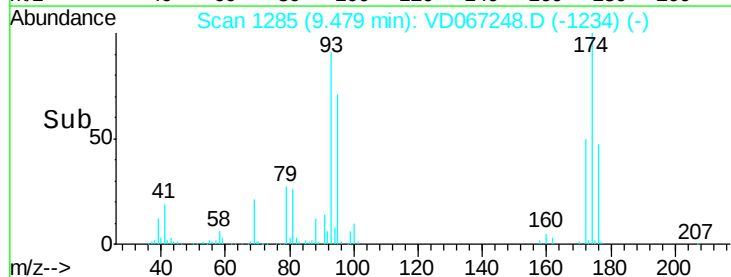
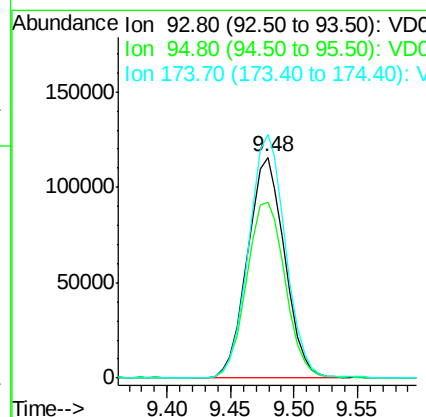
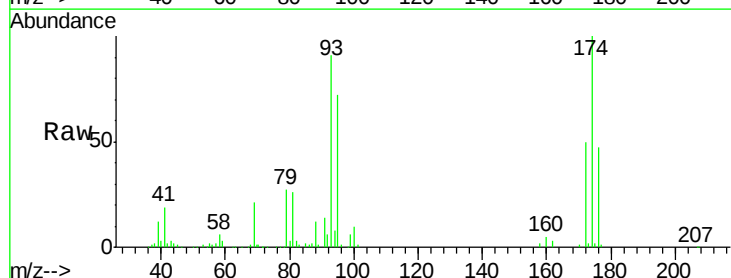
Tgt Ion: 93 Resp: 235893

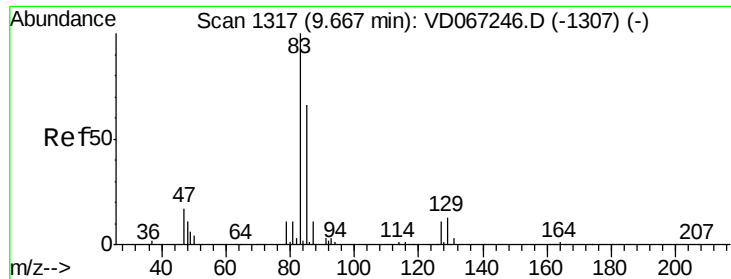
Ion Ratio Lower Upper

93 100

95 83.3 68.0 102.0

174 108.8 91.8 137.6





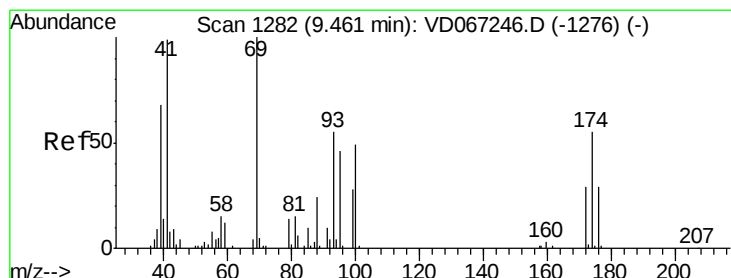
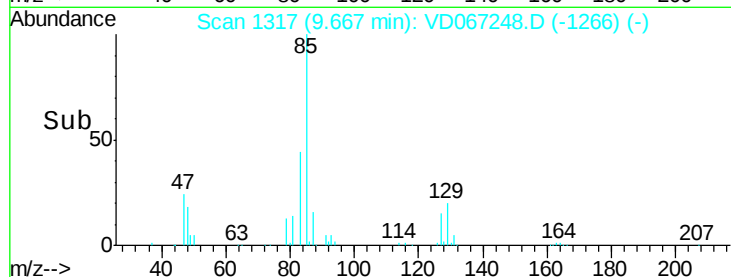
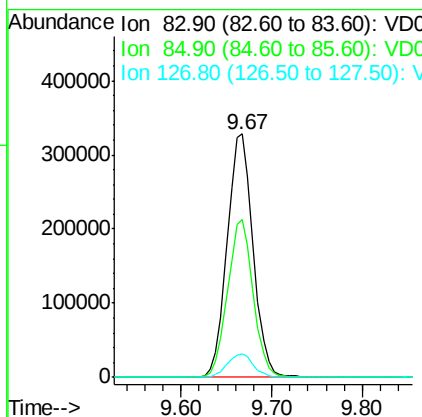
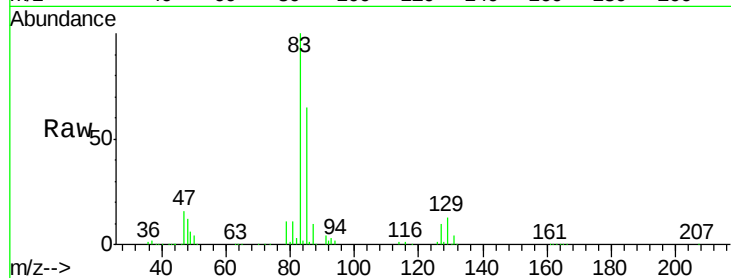
#47
Bromodichloromethane
Concen: 137.542 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	652444		
85	64.7		53.1	79.7
127	9.8		8.6	13.0

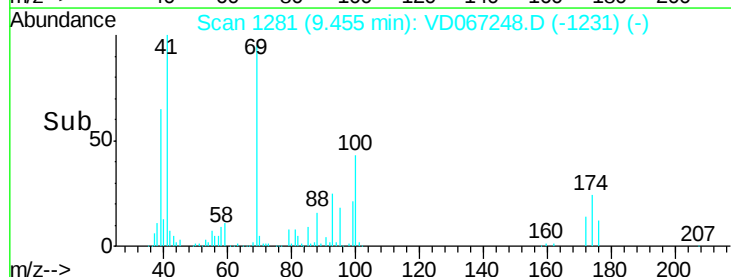
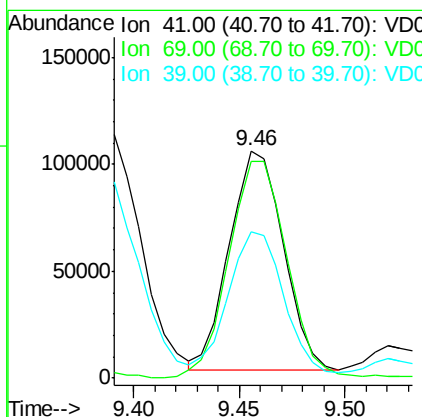
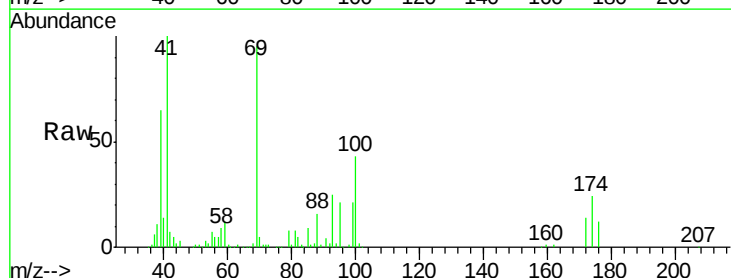
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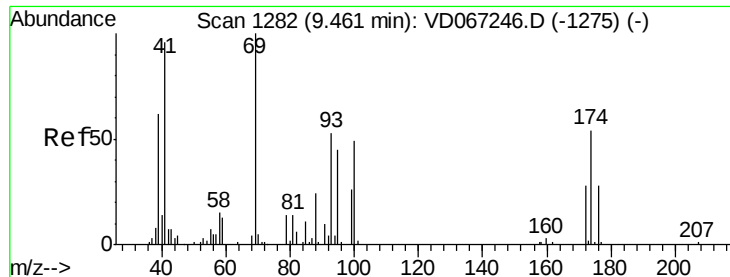
MMDadoda
10/14/2020 2:10:15 PM



#48
Methyl methacrylate
Concen: 146.420 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	182190		
69	107.1		89.0	133.6
39	70.5		60.2	90.2





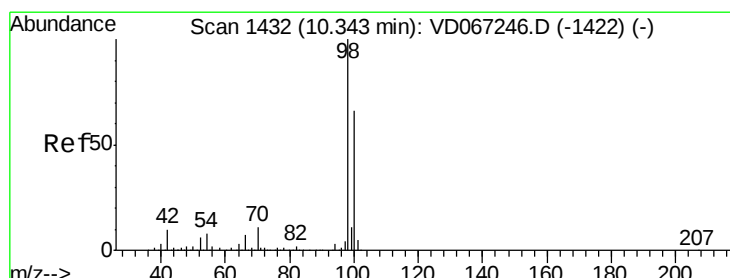
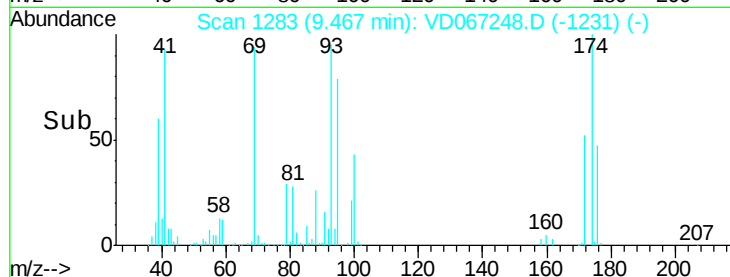
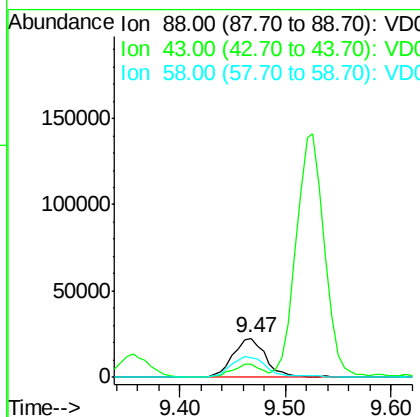
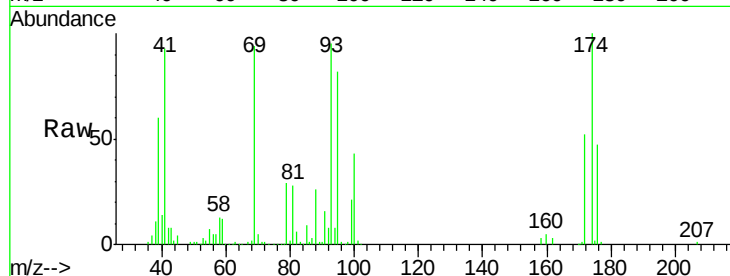
#49
1,4-Dioxane
Concen: 2580.951 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	49035
Ion	Ratio	Lower	Upper
88	100		
43	28.0	23.9	35.9
58	55.3	51.0	76.6

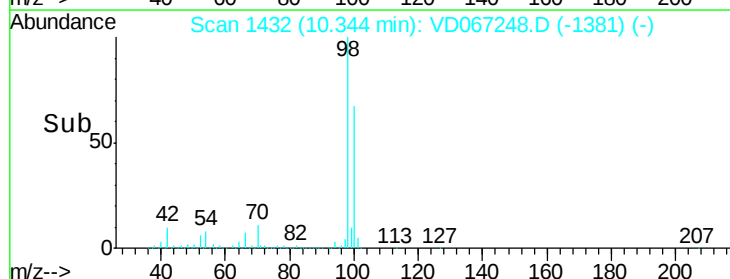
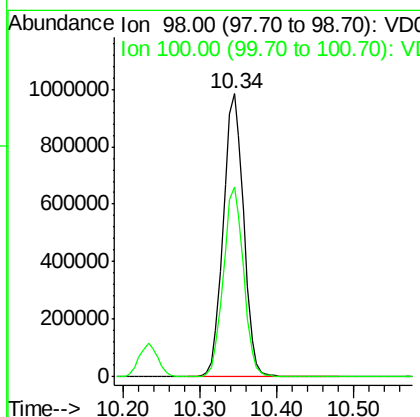
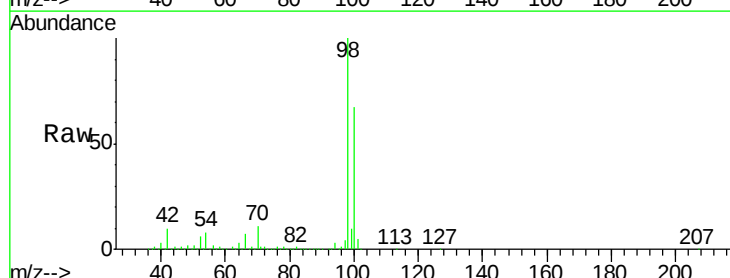
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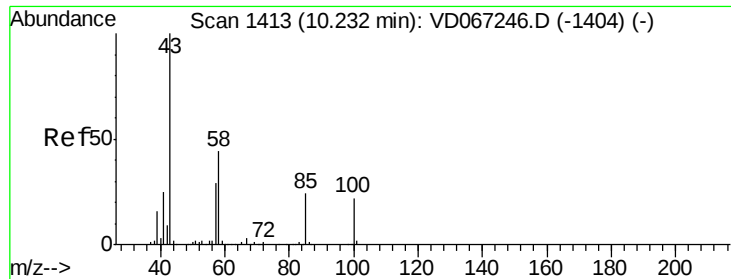
MMDadoda
10/14/2020 2:10:15 PM



#50
Toluene-d8
Concen: 145.175 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	98	Resp	1811880
Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7





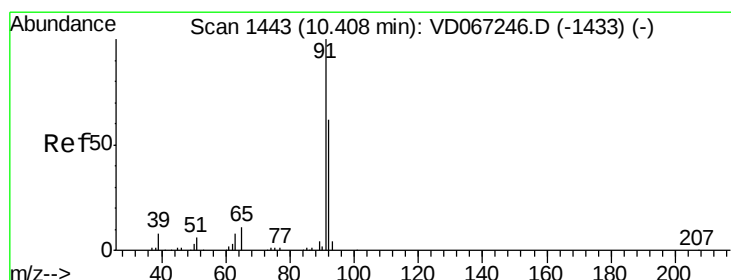
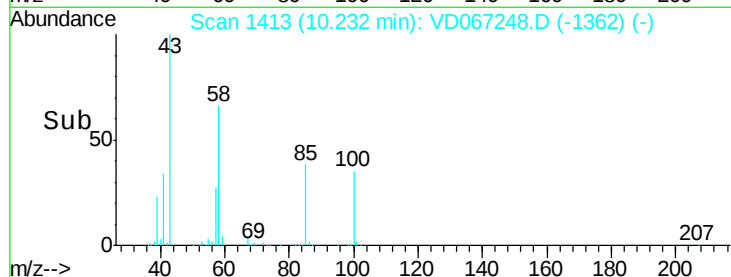
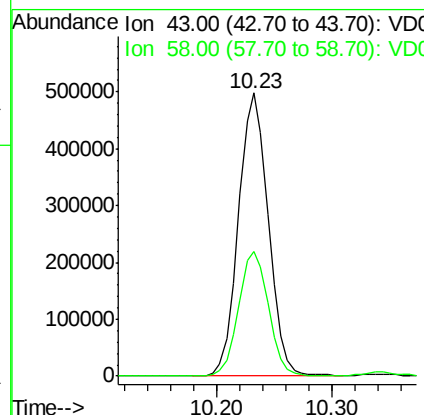
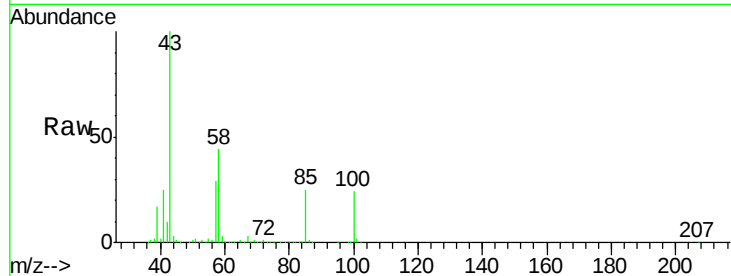
#51
 4-Methyl-2-Pentanone
 Concen: 688.989 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 43 Resp: 892993
 Ion Ratio Lower Upper
 43 100
 58 44.2 35.7 53.5

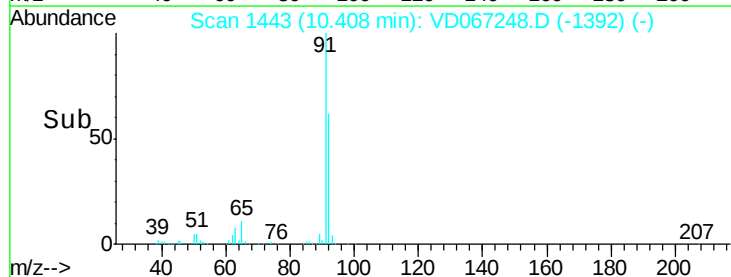
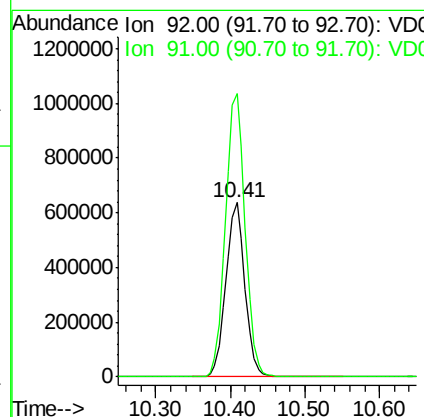
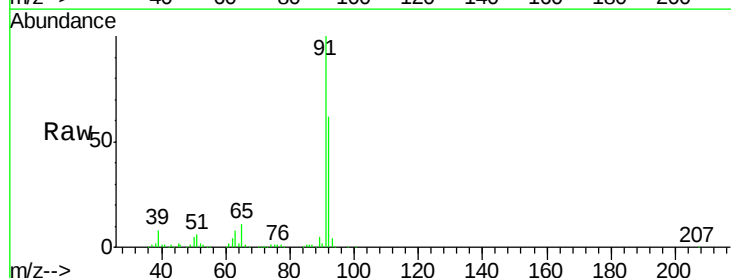
Manual Integrations
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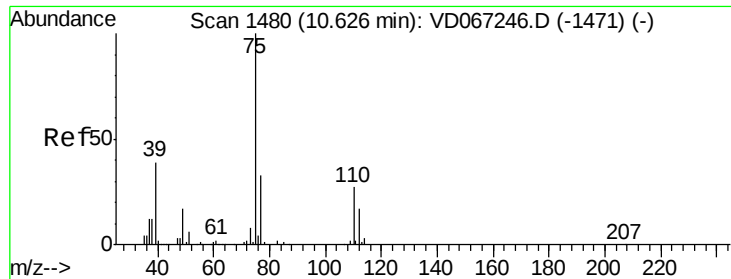
MMDadoda
 10/14/2020 2:10:15 PM



#52
 Toluene
 Concen: 134.728 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion: 92 Resp: 1129872
 Ion Ratio Lower Upper
 92 100
 91 168.4 133.8 200.8





#53

t-1,3-Dichloropropene

Concen: 141.140 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 75 Resp: 582343

Ion Ratio Lower Upper

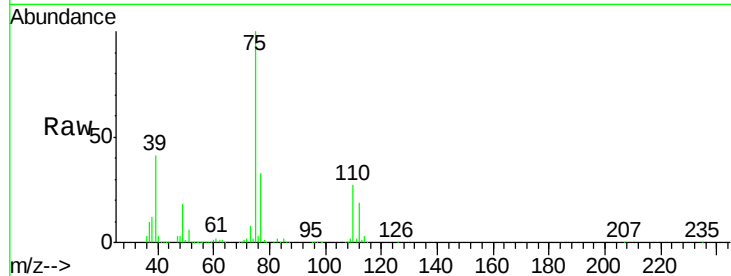
75 100

77 32.6 26.5 39.7

Manual Integrations
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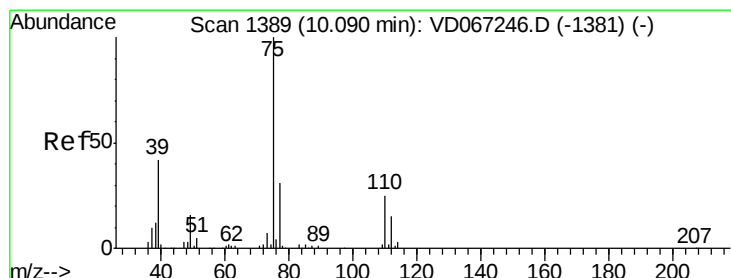
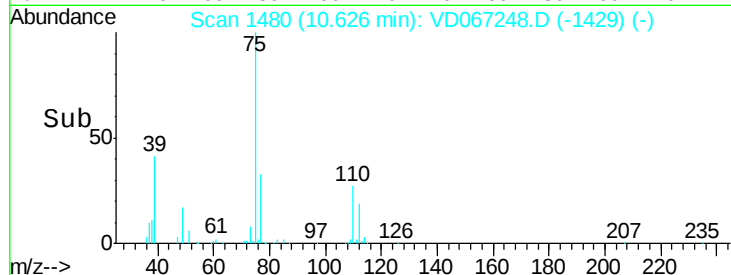
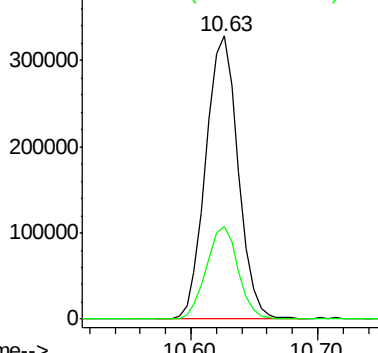
MMDadoda

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Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 142.442 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

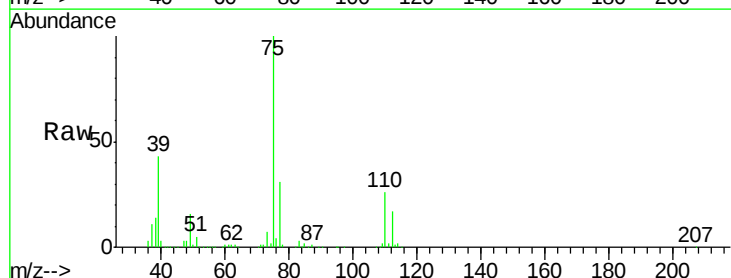
Tgt Ion: 75 Resp: 688555

Ion Ratio Lower Upper

75 100

77 30.9 24.5 36.7

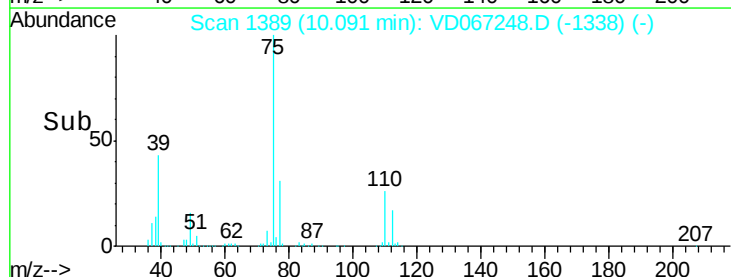
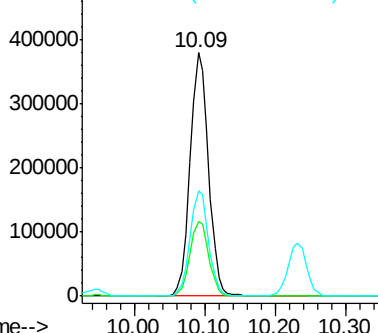
39 43.4 33.7 50.5

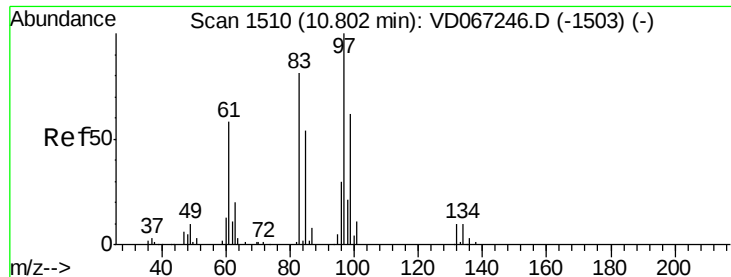


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





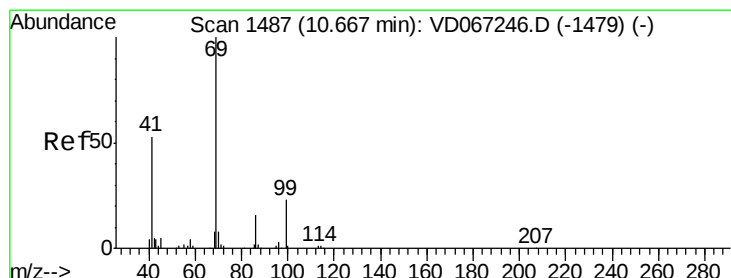
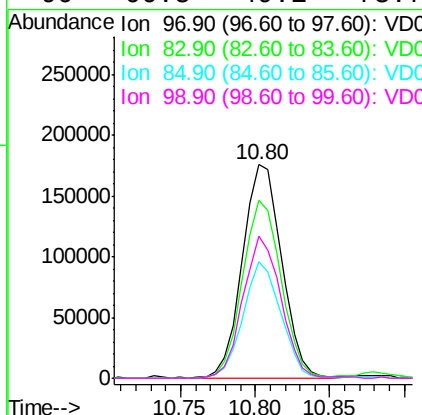
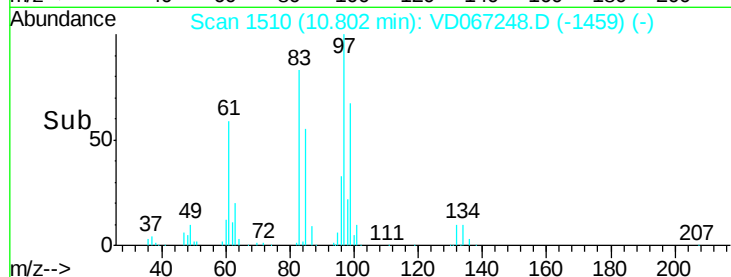
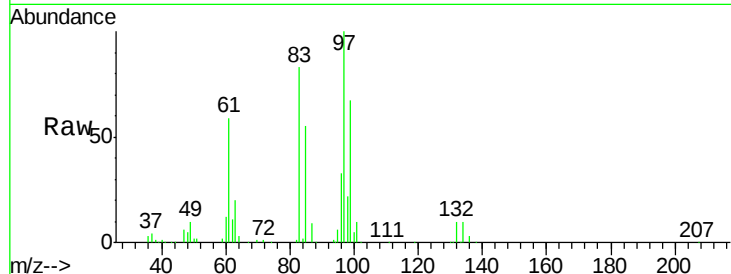
#55
 1,1,2-Trichloroethane
 Concen: 130.025 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	97	Resp	319786
Ion	Ratio	Lower	Upper
97	100		
83	83.5	64.9	97.3
85	54.8	43.3	64.9
99	66.8	49.1	73.7

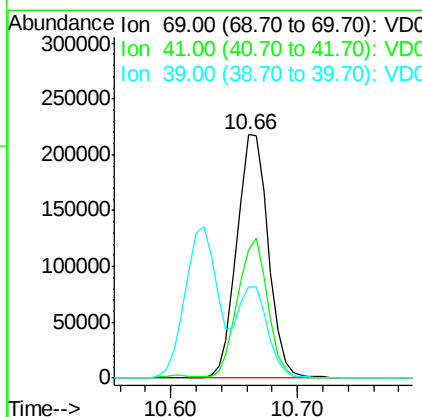
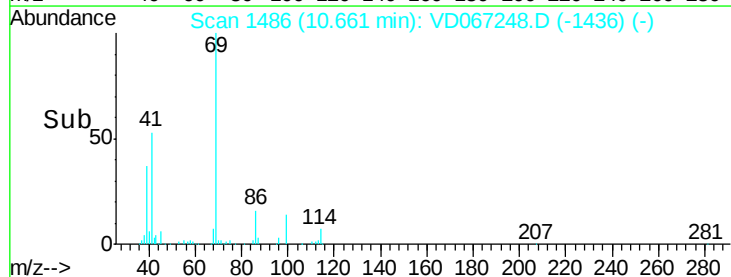
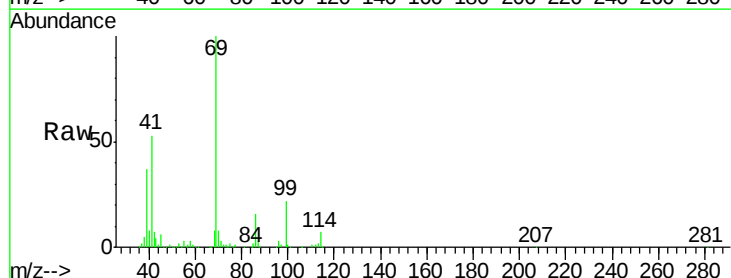
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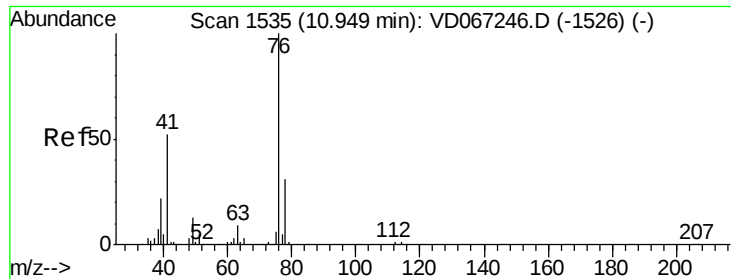
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#56
 Ethyl methacrylate
 Concen: 156.366 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion	69	Resp	375745
Ion	Ratio	Lower	Upper
69	100		
41	55.1	44.7	67.1
39	32.4	26.2	39.2





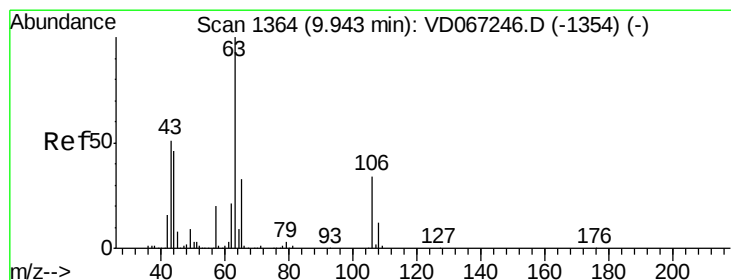
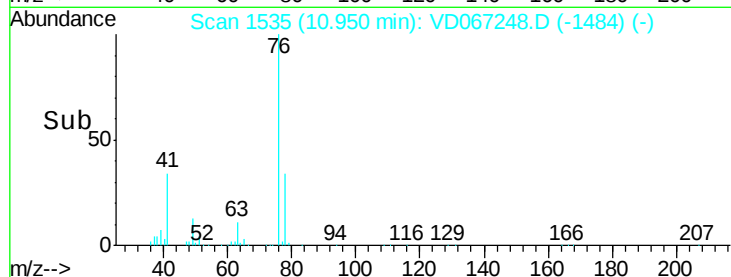
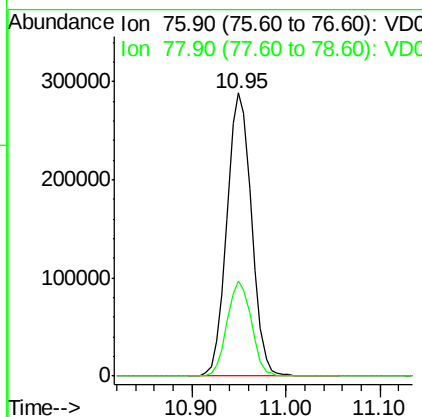
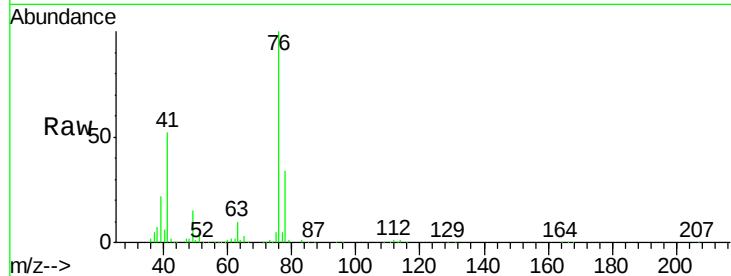
#57
 1,3-Dichloropropane
 Concen: 136.070 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 523902
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.8 40.2

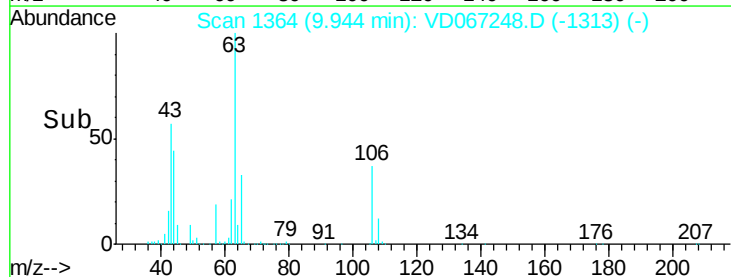
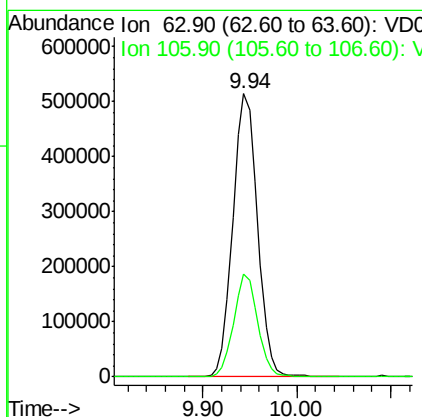
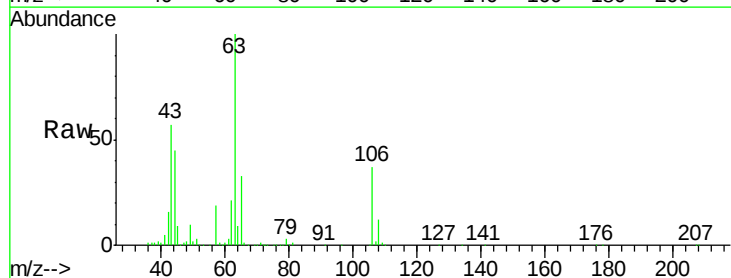
Manual Integrations
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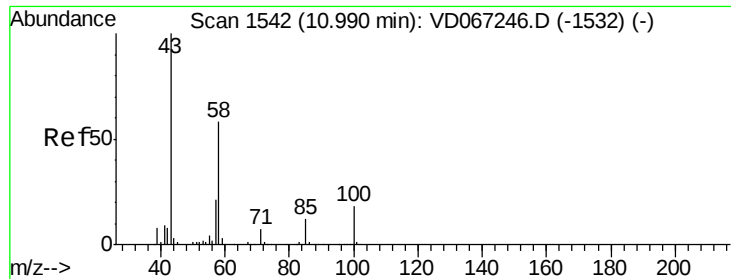
MMDadoda
 10/14/2020 2:10:15 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 758.629 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion: 63 Resp: 938990
 Ion Ratio Lower Upper
 63 100
 106 35.4 27.8 41.6





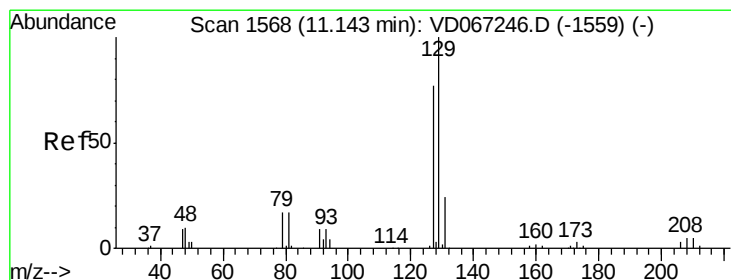
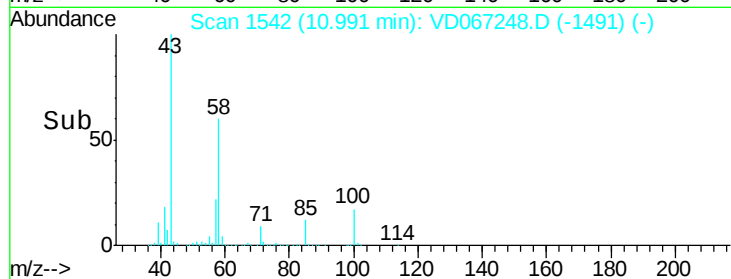
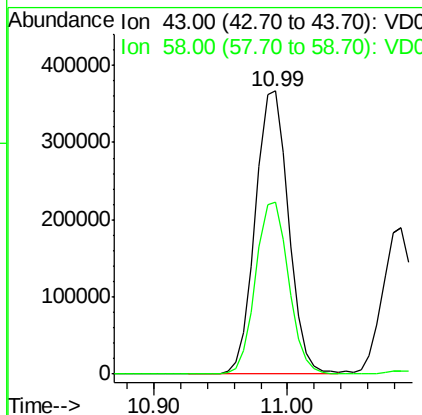
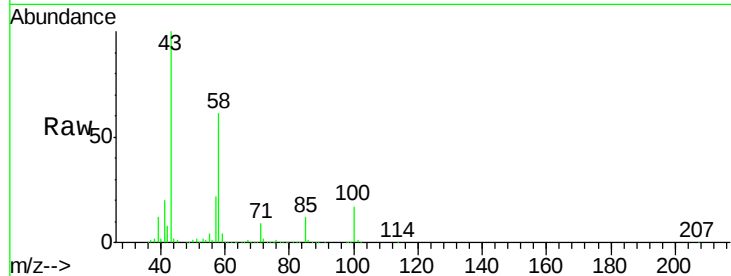
#59
2-Hexanone
Concen: 723.278 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	43	58	Ratio	Lower	Upper
43	100				
58	60.5	29.3		29.3	87.9

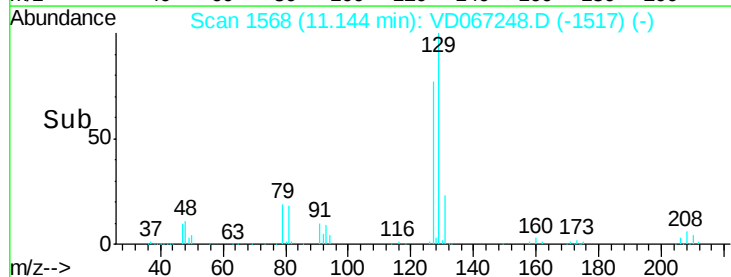
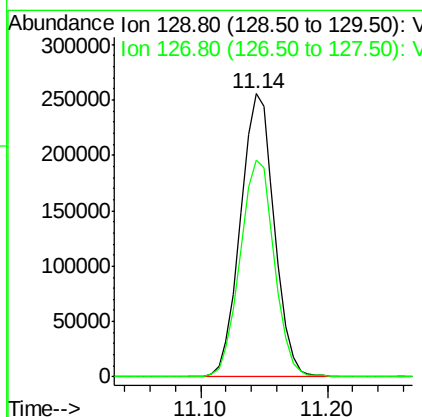
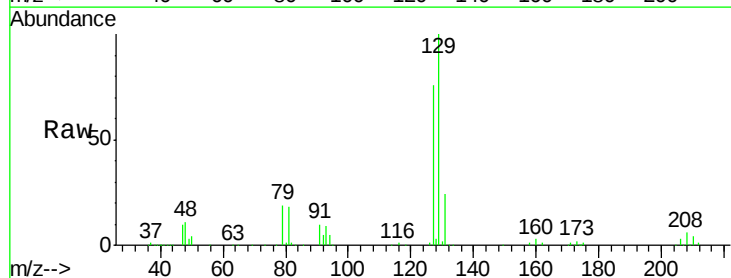
Manual Integrations
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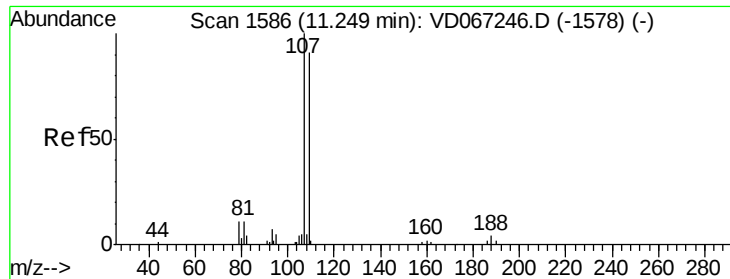
MMDadoda
10/14/2020 2:10:15 PM



#60
Dibromochloromethane
Concen: 132.834 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	129	127	Ratio	Lower	Upper
129	100				
127	77.7	38.3		38.3	114.8





#61

1,2-Dibromoethane

Concen: 132.875 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 107 Resp: 318150

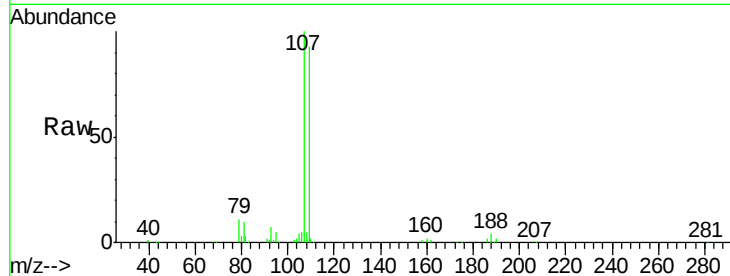
Ion Ratio Lower Upper

107 100

109 94.5 74.6 112.0

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.25

200000

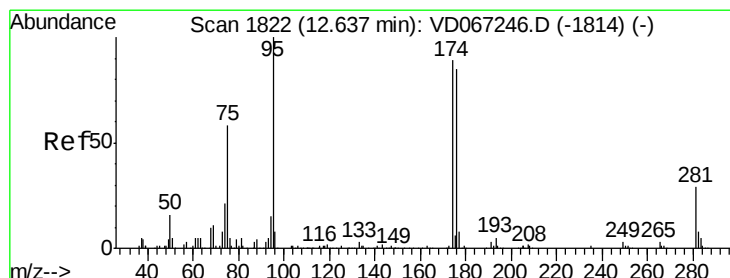
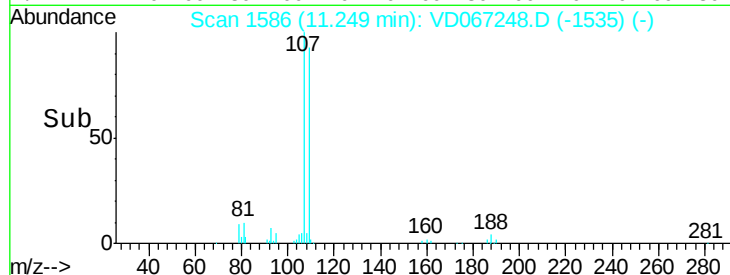
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 145.490 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

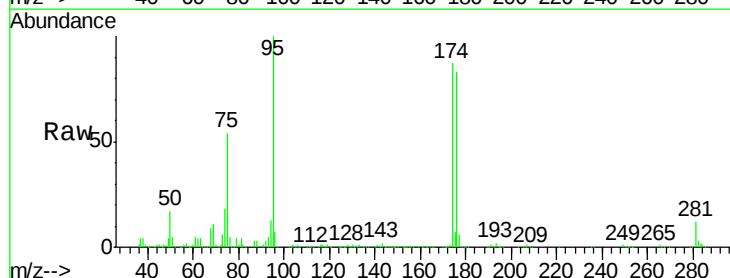
Tgt Ion: 95 Resp: 631690

Ion Ratio Lower Upper

95 100

174 86.5 0.0 175.2

176 82.6 0.0 168.6



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.64

500000

400000

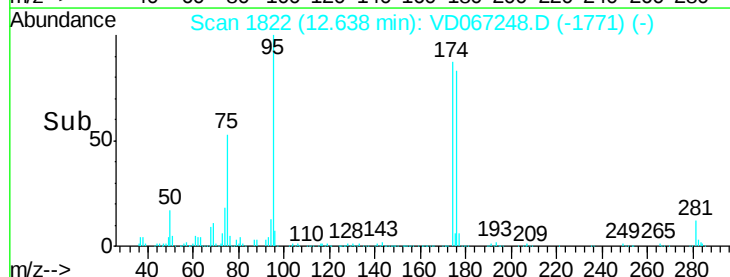
300000

200000

100000

0

Time-->





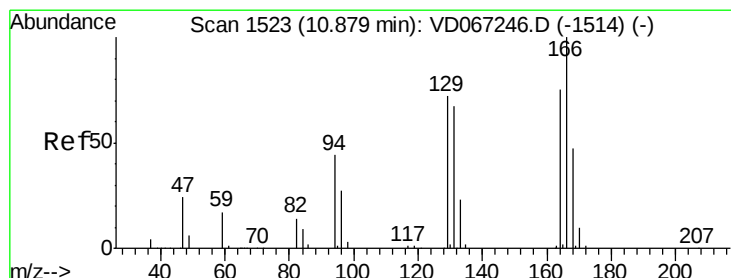
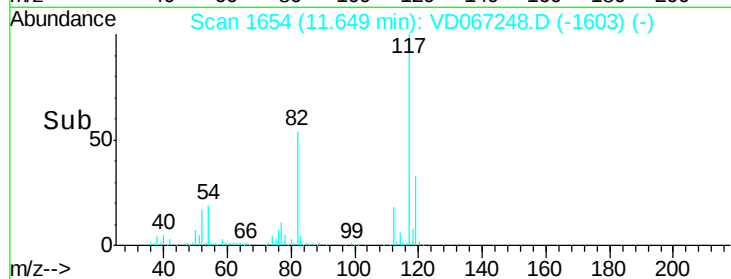
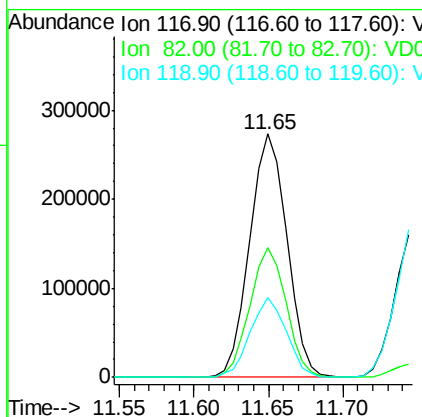
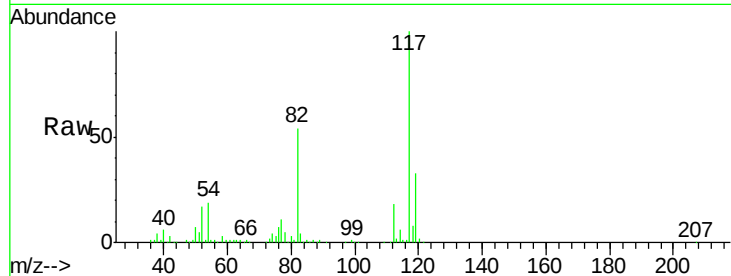
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	39.9	59.9
119	32.6	24.9	37.3

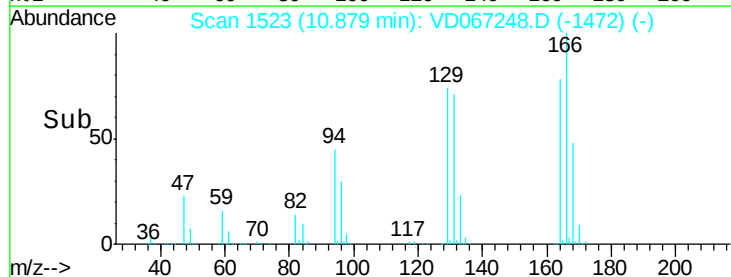
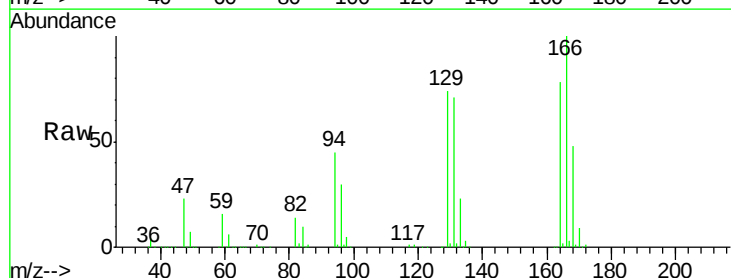
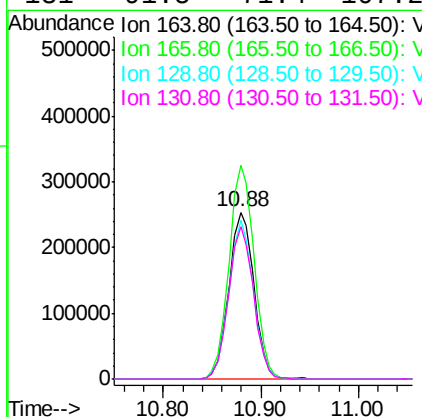
Manual Integrations
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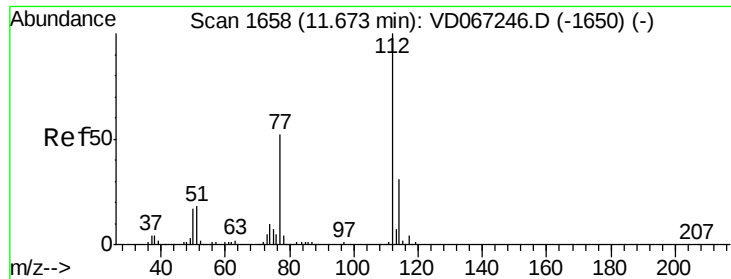
MMDadoda
10/14/2020 2:10:15 PM



#64
Tetrachloroethene
Concen: 126.237 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	107.3	160.9
129	95.2	77.3	115.9
131	91.5	71.4	107.2





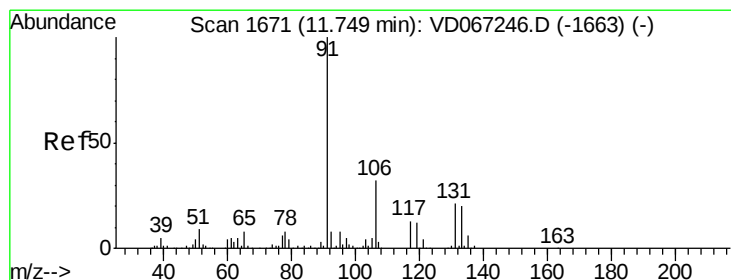
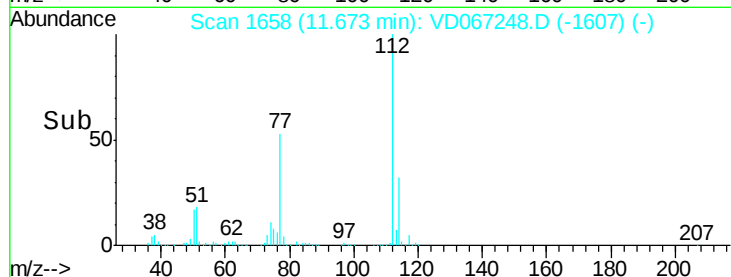
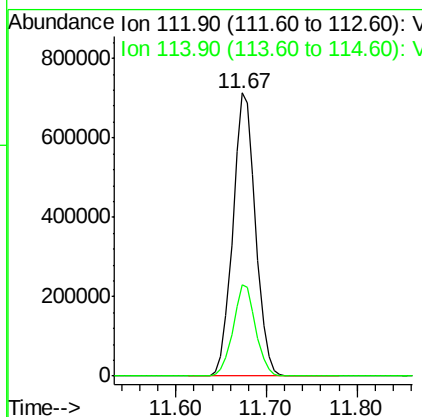
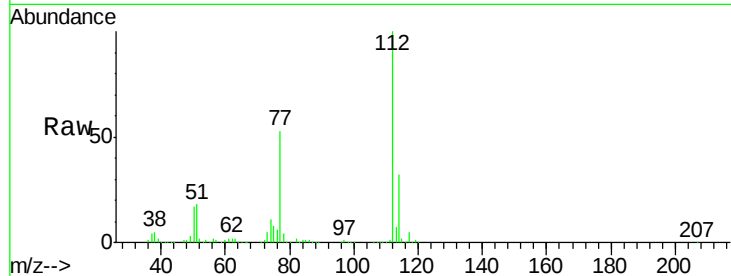
#65
Chlorobenzene
Concen: 132.131 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:112 Resp: 1240637
Ion Ratio Lower Upper
112 100
114 32.4 25.0 37.4

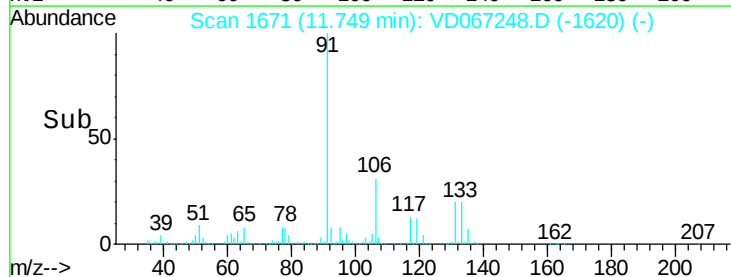
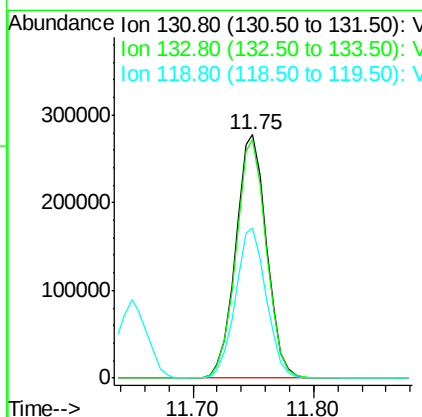
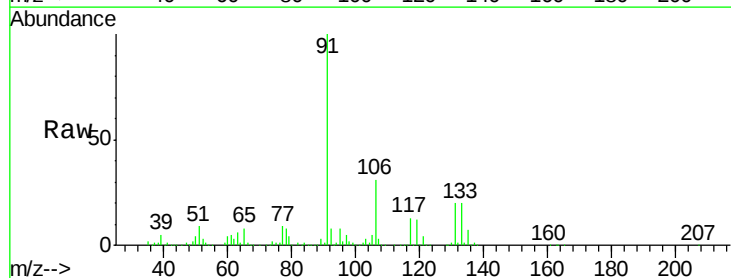
Manual Integrations
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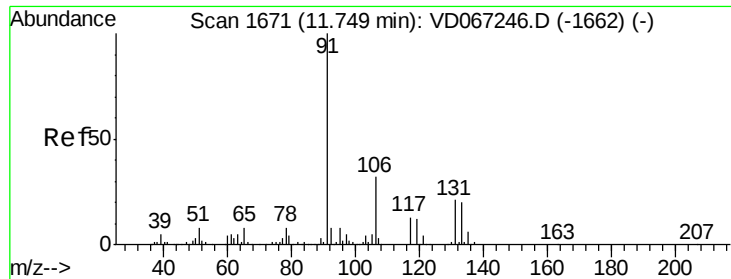
MMDadoda
10/14/2020 2:10:15 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 132.225 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion:131 Resp: 492994
Ion Ratio Lower Upper
131 100
133 96.5 48.1 144.3
119 61.5 30.0 90.0





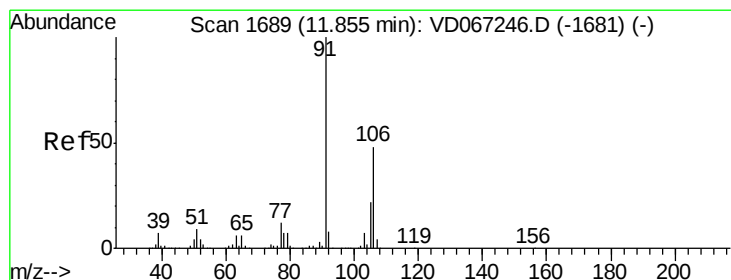
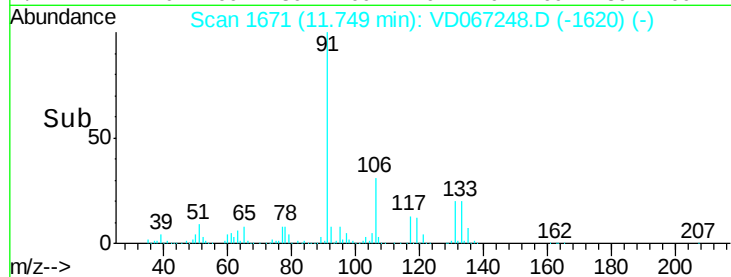
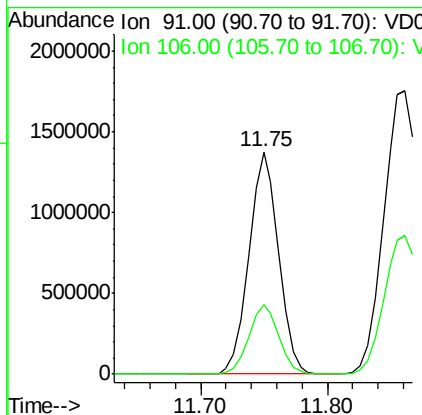
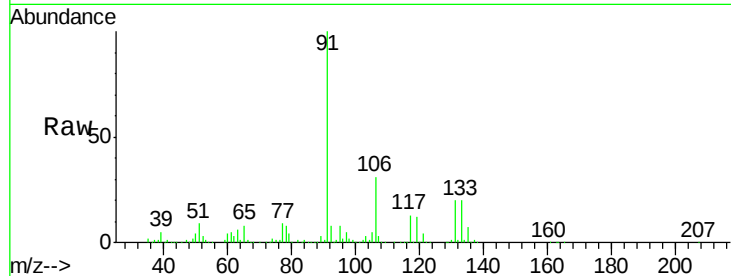
#67
Ethyl Benzene
Concen: 141.165 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 2230082
Ion Ratio Lower Upper
91 100
106 31.2 25.4 38.0

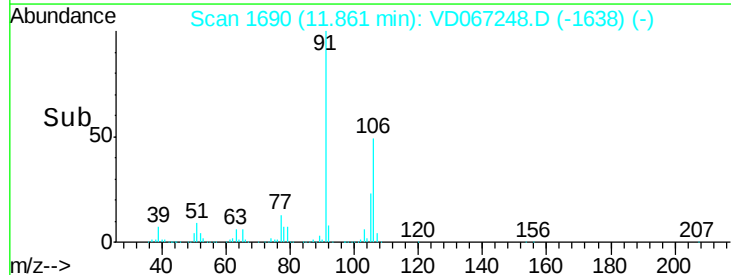
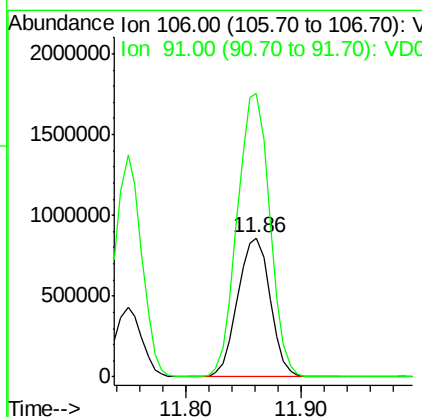
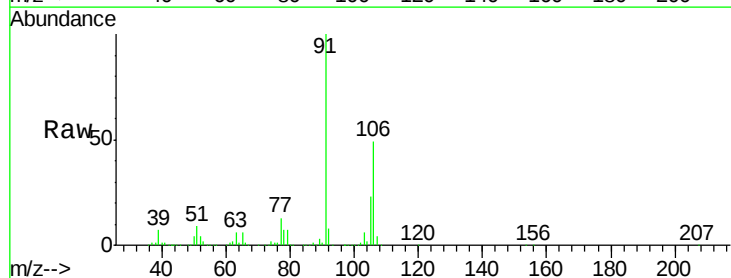
Manual Integrations
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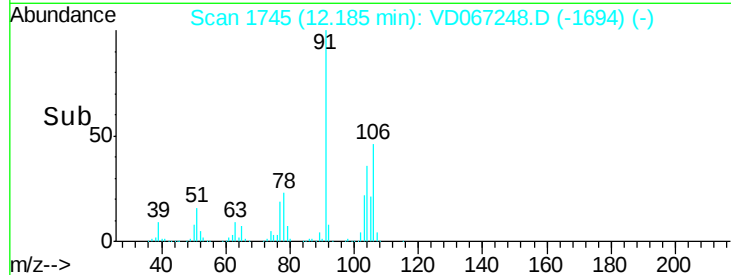
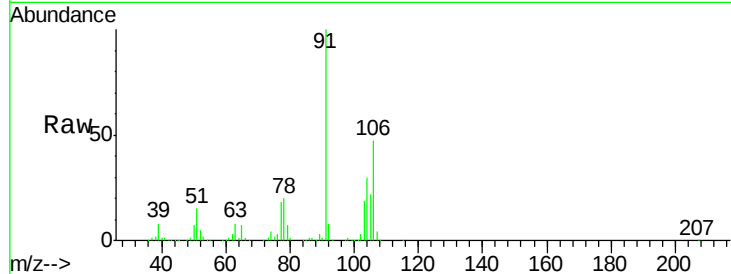
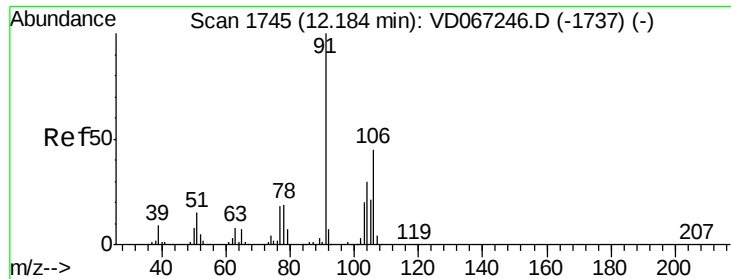
MMDadoda
10/14/2020 2:10:15 PM



#68
m/p-Xylenes
Concen: 273.793 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion: 106 Resp: 1680426
Ion Ratio Lower Upper
106 100
91 204.2 163.8 245.8





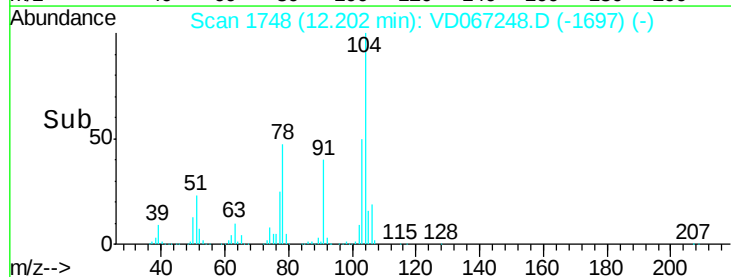
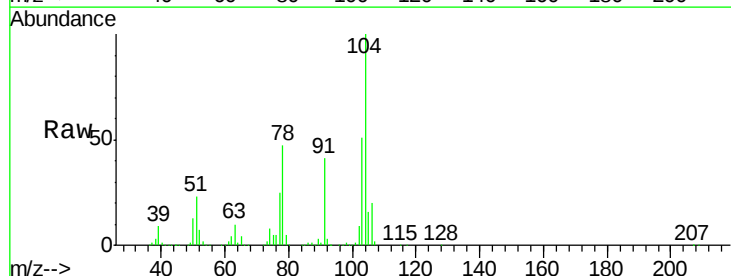
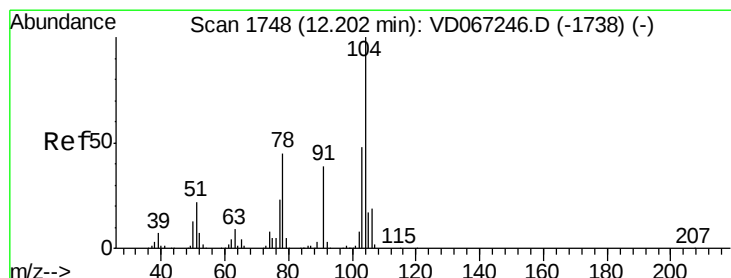
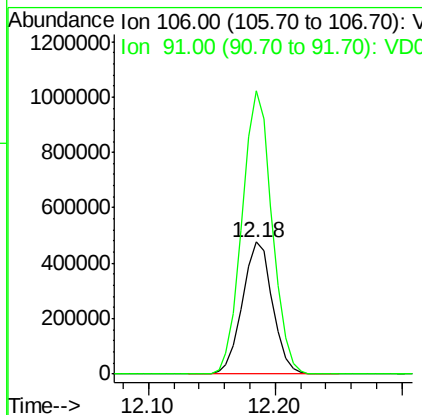
#69
o-Xylene
Concen: 138.189 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tot Ion:106 Resp: 784234
Ion Ratio Lower Upper
106 100
91 213.4 109.1 327.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

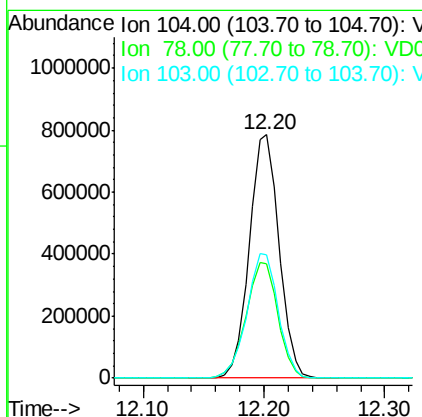
Manual Integrations
APPROVED

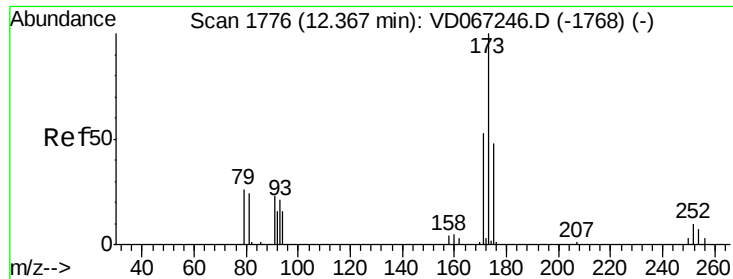
MMDadoda
10/14/2020 2:10:15 PM



#70
Styrene
Concen: 138.091 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion:104 Resp: 1346596
Ion Ratio Lower Upper
104 100
78 50.9 39.8 59.6
103 53.9 42.6 64.0





#71

Bromoform

Concen: 135.010 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

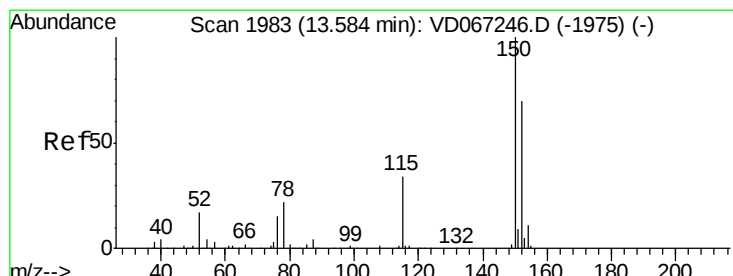
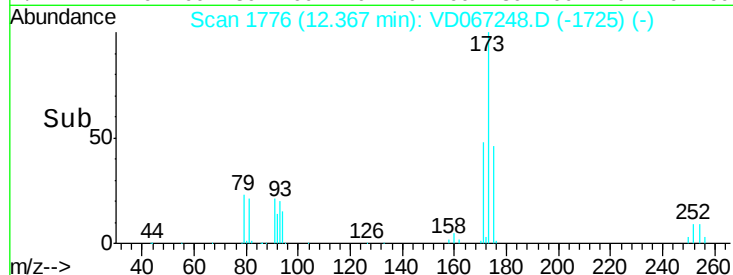
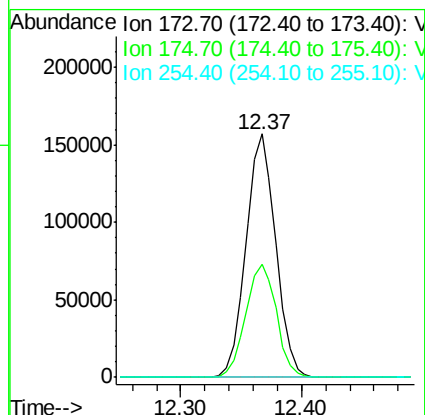
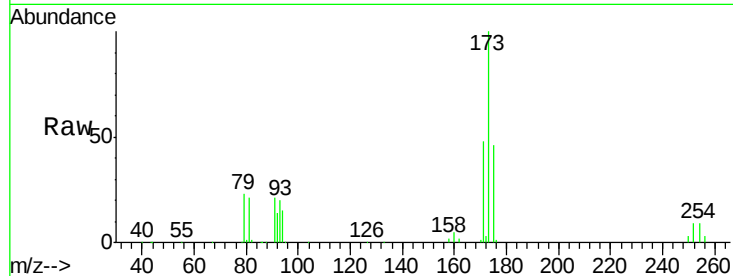
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.0	24.2	72.6
254	0.1	0.1	0.1

Manual Integrations
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10/14/2020 2:10:15 PM



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

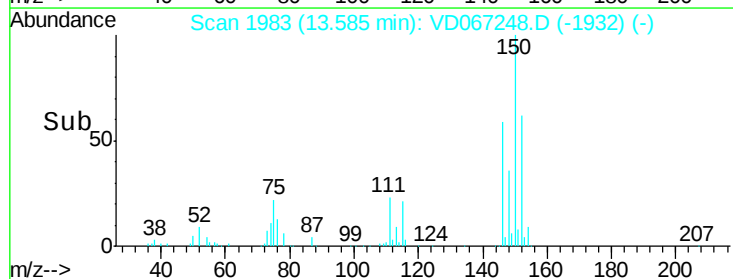
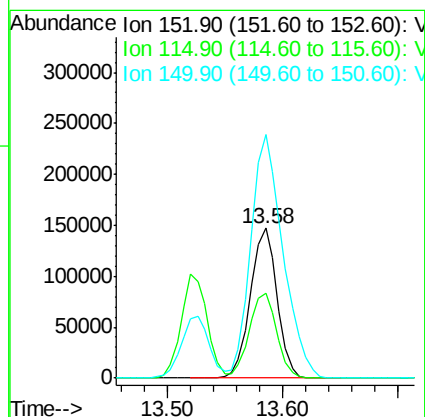
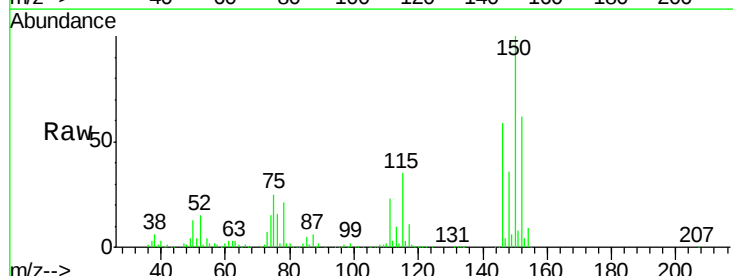
RT: 13.58 min Scan# 1983

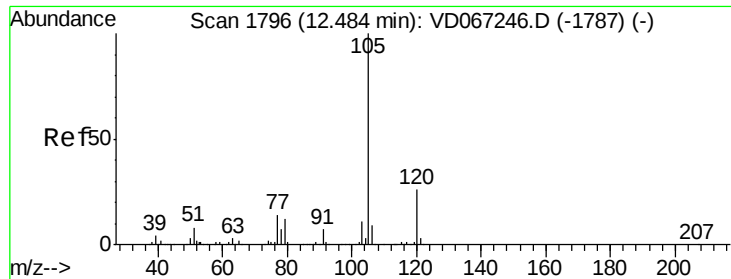
Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.5	29.3	87.9
150	196.3	0.0	339.0





#73

Isopropylbenzene

Concen: 145.450 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 2197138

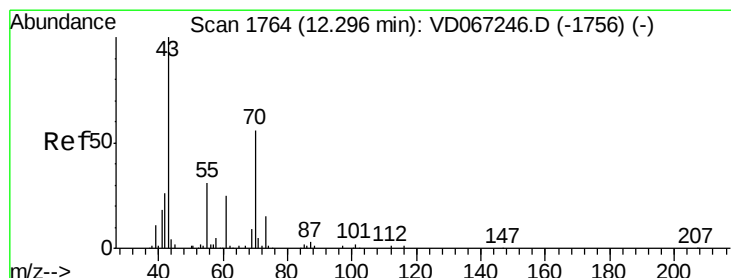
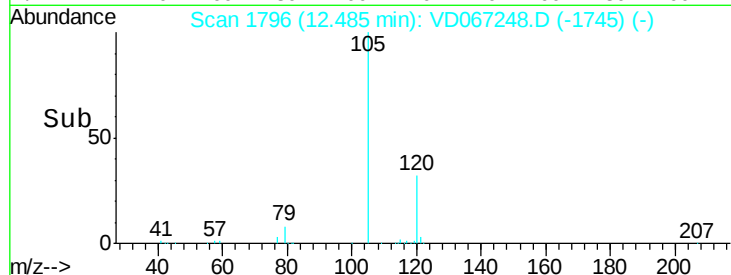
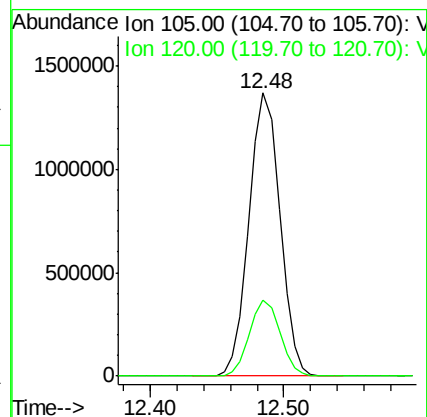
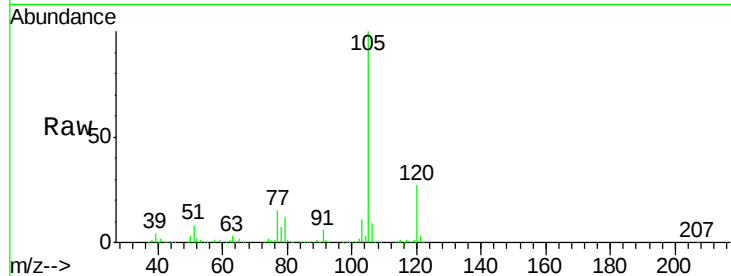
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8

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#74

N-ethyl acetate

Concen: 153.290 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tgt Ion: 43 Resp: 344870

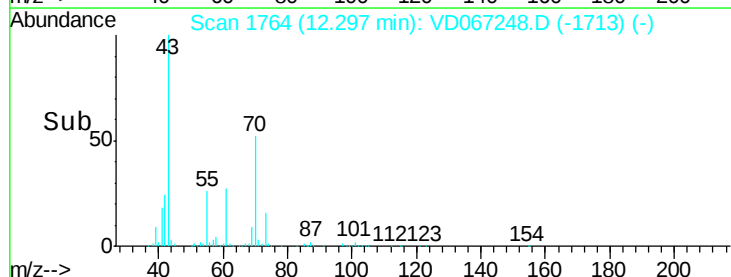
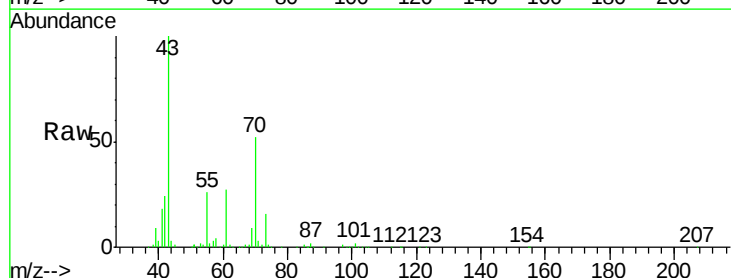
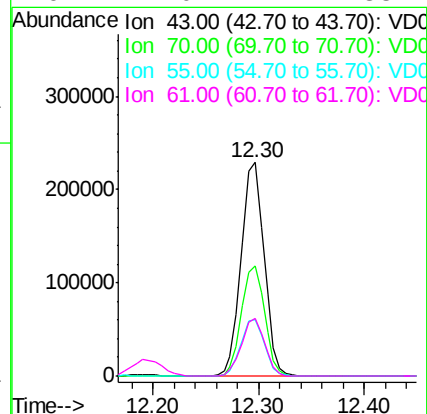
Ion Ratio Lower Upper

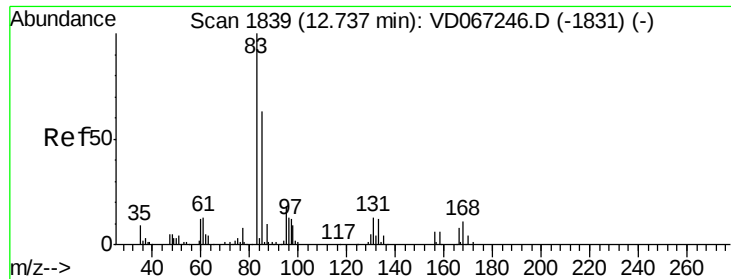
43 100

70 52.1 42.7 64.1

55 26.9 24.0 36.0

61 27.0 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 135.044 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

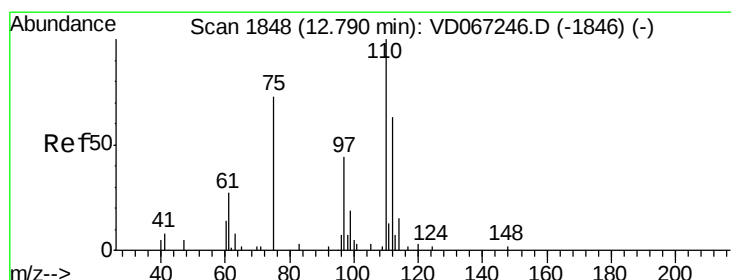
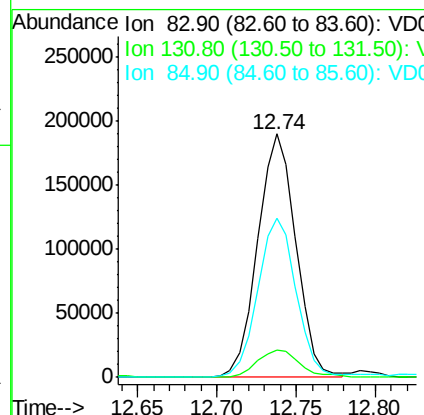
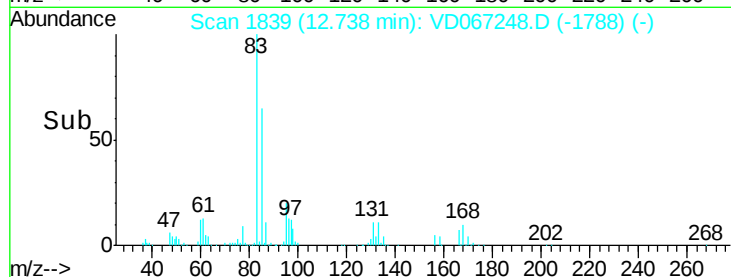
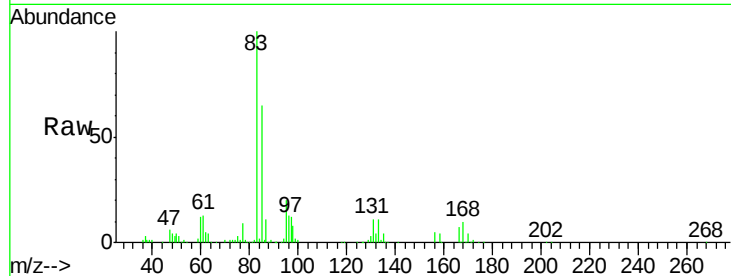
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	318906
Ion Ratio	Lower	Upper	
83	100		
131	12.5	6.5	19.5
85	65.6	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 151.141 ug/l m

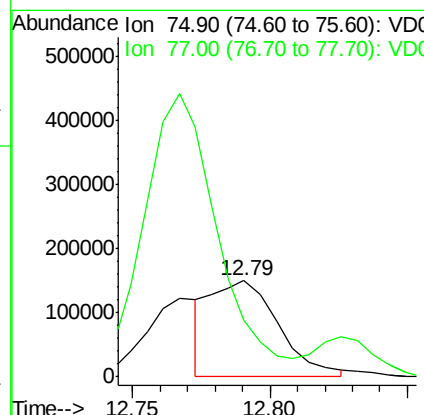
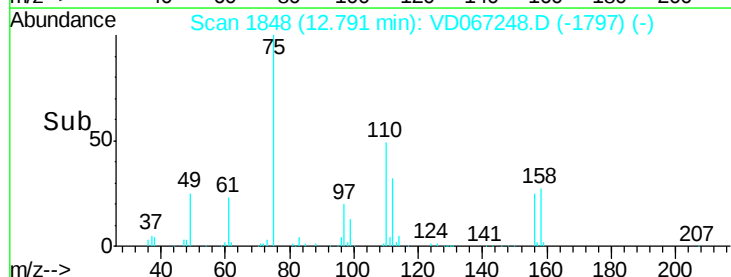
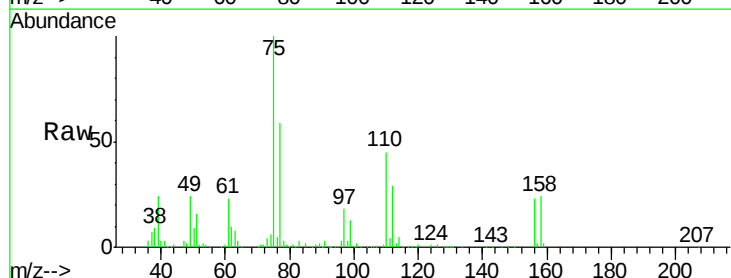
RT: 12.79 min Scan# 1848

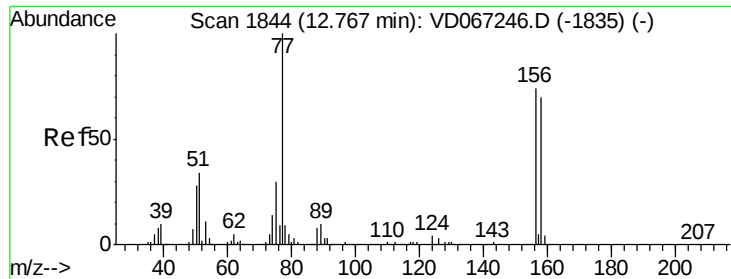
Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tgt Ion:	75	Resp:	255341
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 136.590 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

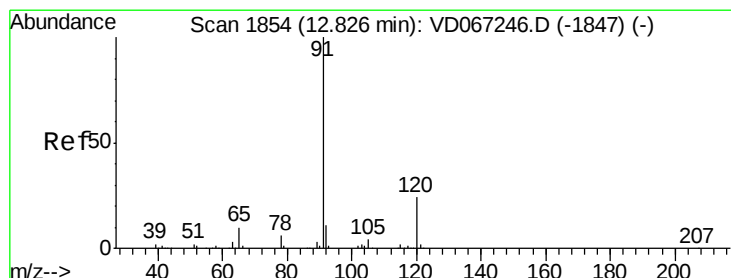
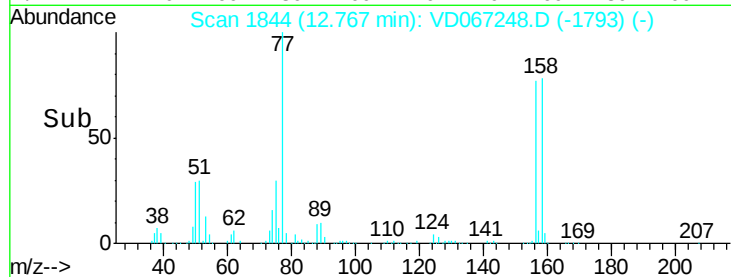
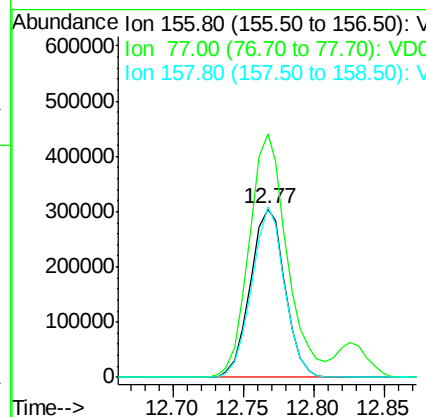
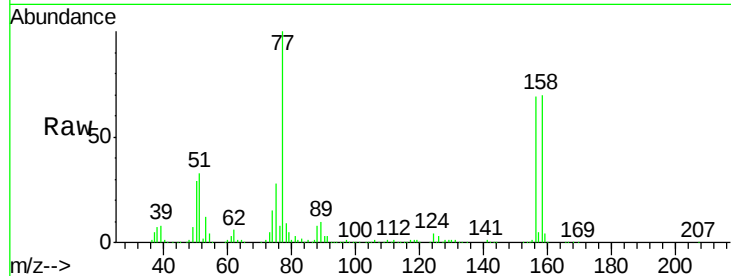
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	157.7	78.0	233.8
158	96.4	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 139.406 ug/l

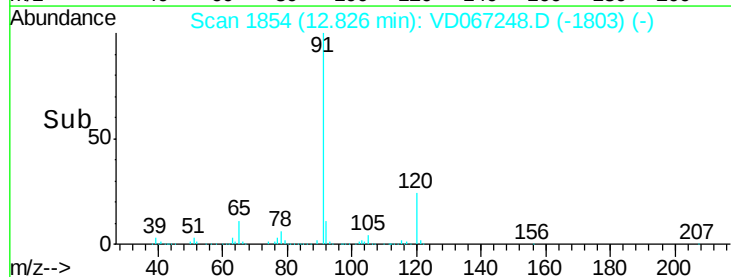
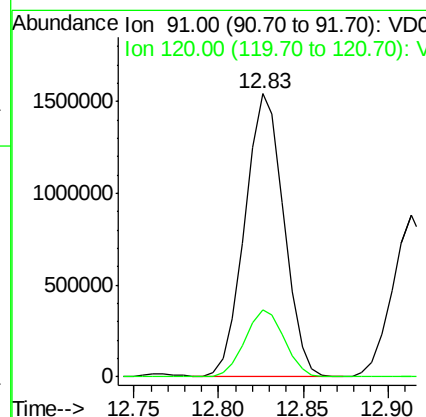
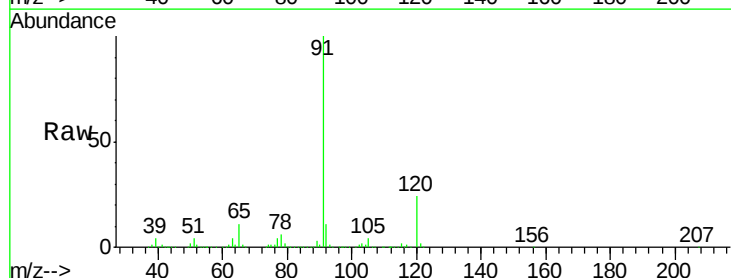
RT: 12.83 min Scan# 1854

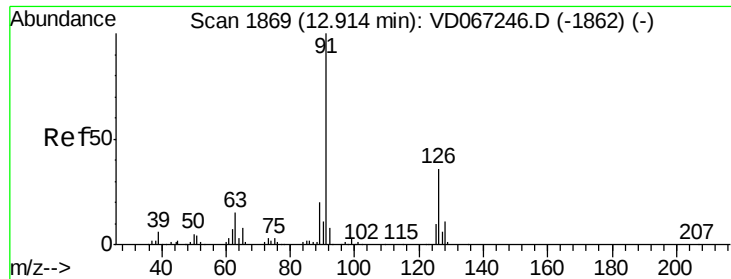
Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 137.950 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 91 Resp: 1428666

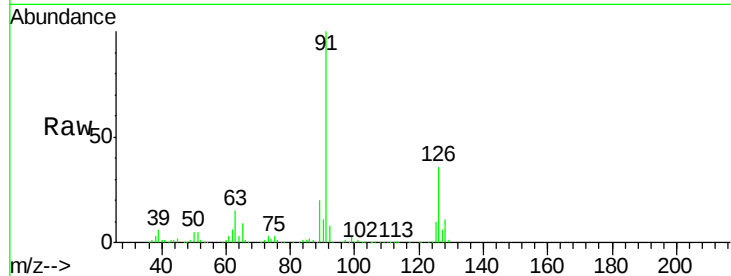
Ion Ratio Lower Upper

91 100

126 36.2 17.6 52.8

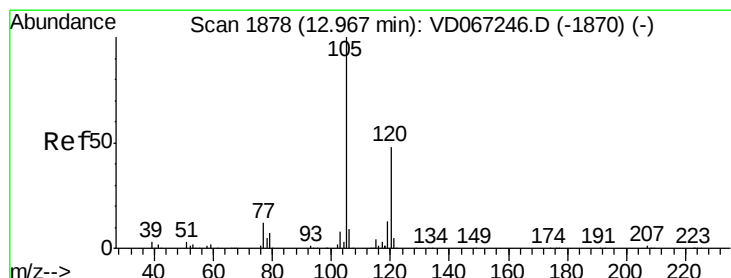
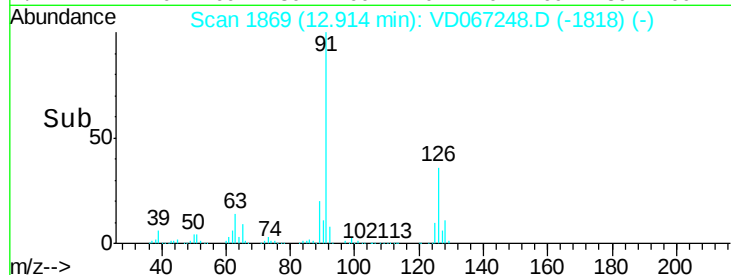
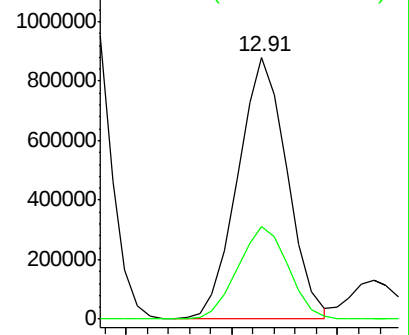
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Abundance Ion 91.00 (90.70 to 91.70): VD067248.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067248.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 139.846 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067248.D

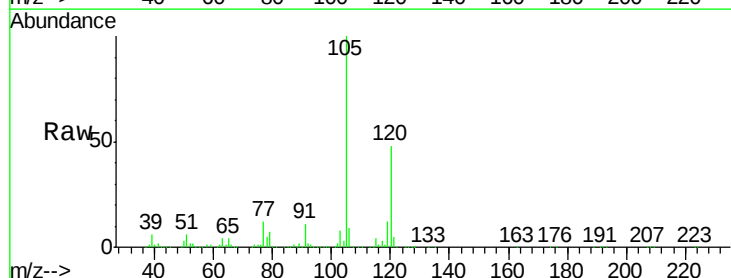
Acq: 13 Oct 2020 12:43

Tgt Ion: 105 Resp: 1858829

Ion Ratio Lower Upper

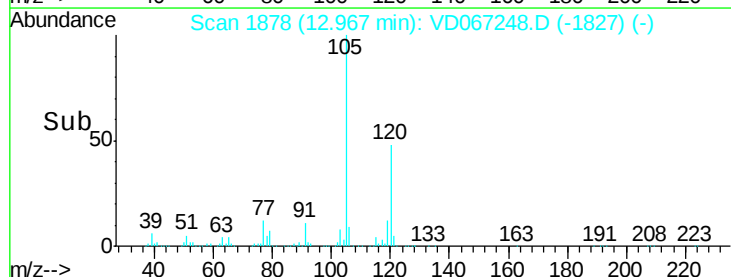
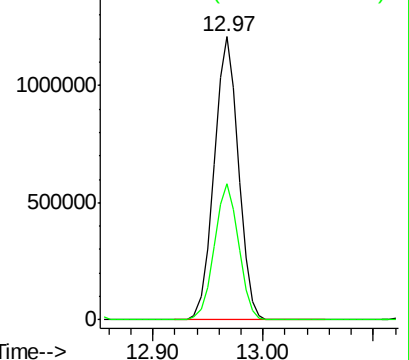
105 100

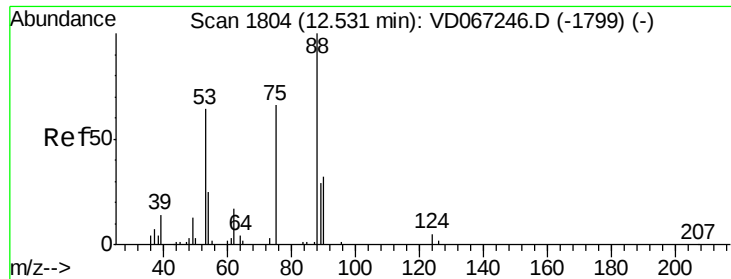
120 48.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067248.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067248.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 148.080 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Instrument :

MSVOA_D

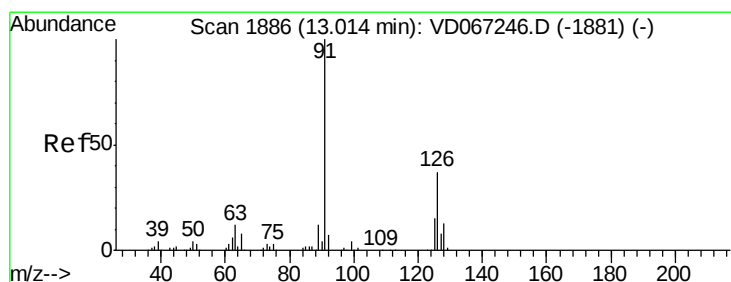
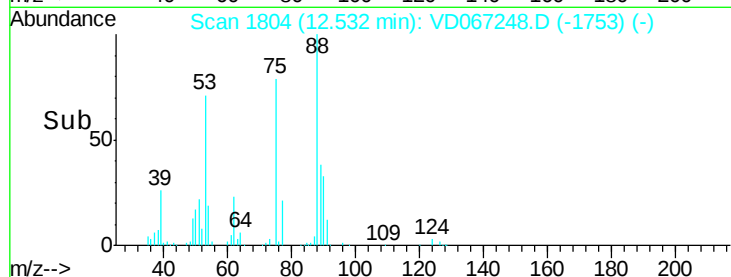
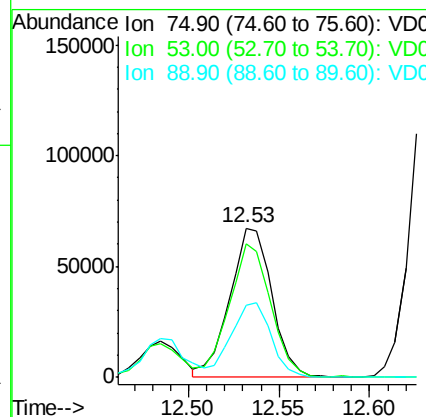
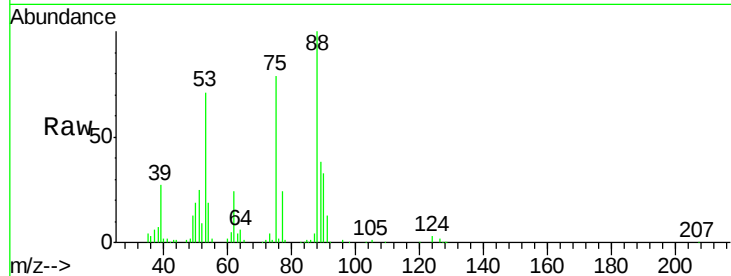
ClientSampleId :

VSTDIC150

Tot Ion:	75	Resp:	107716
Ion	Ratio	Lower	Upper
75	100		
53	88.5	78.5	117.7
89	48.0	39.9	59.9

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#82

4-Chlorotoluene

Concen: 133.706 ug/l

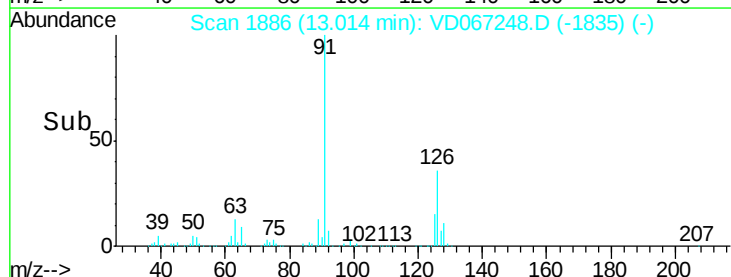
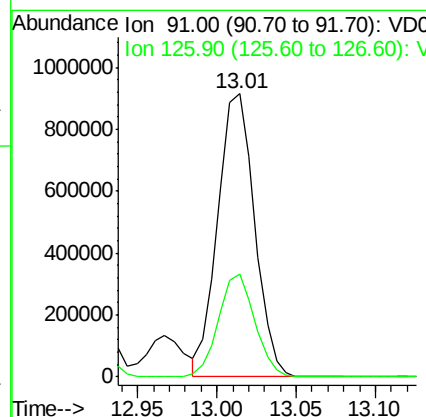
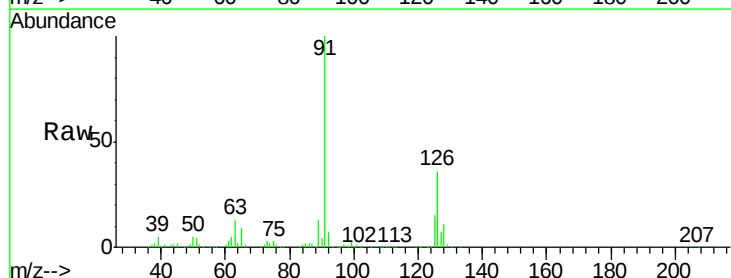
RT: 13.01 min Scan# 1886

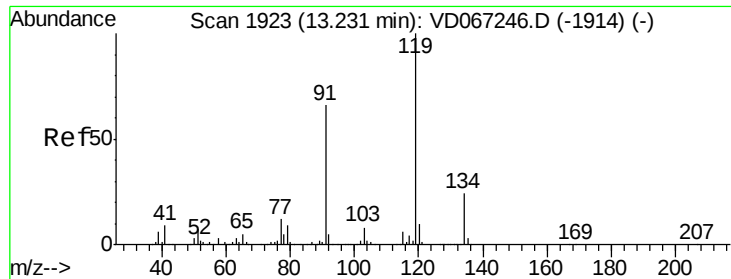
Delta R.T. 0.00 min

Lab File: VD067248.D

Acq: 13 Oct 2020 12:43

Tgt Ion:	91	Resp:	1477747
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.8	53.5





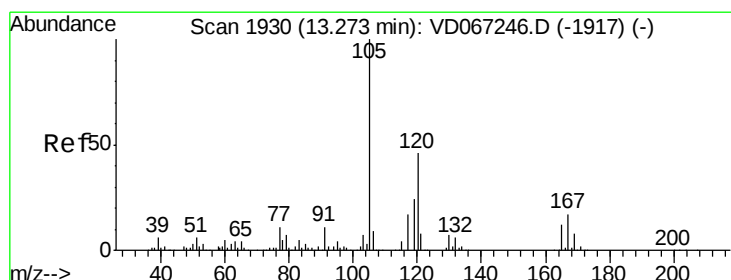
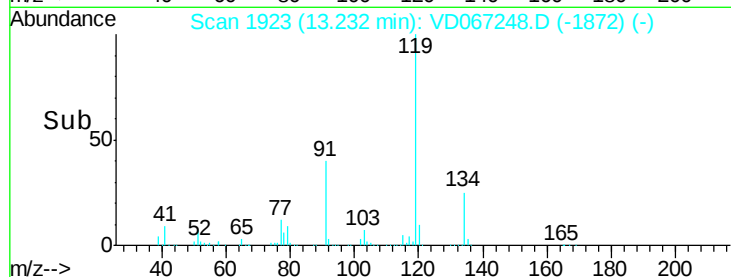
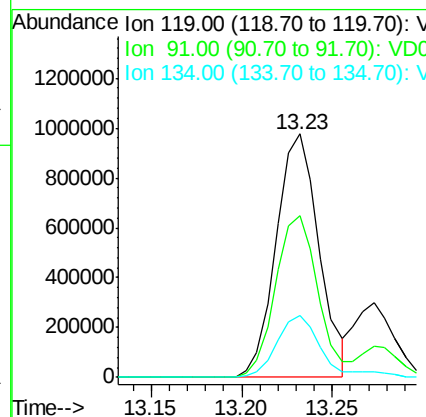
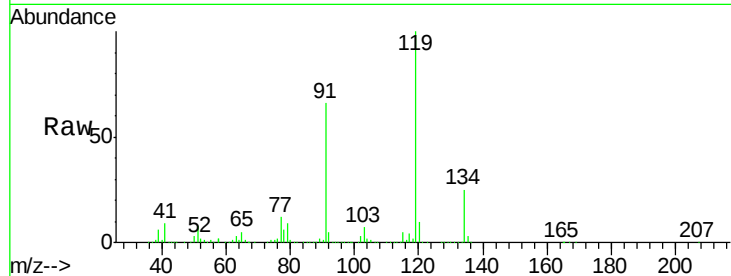
#83
tert-Butylbenzene
Concen: 145.634 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion:119 Resp: 1616128
Ion Ratio Lower Upper
119 100
91 66.5 33.1 99.2
134 26.7 13.3 39.9

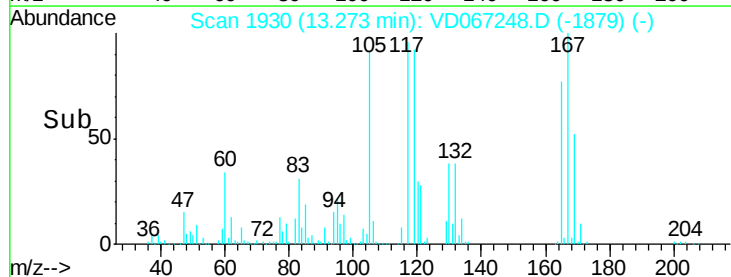
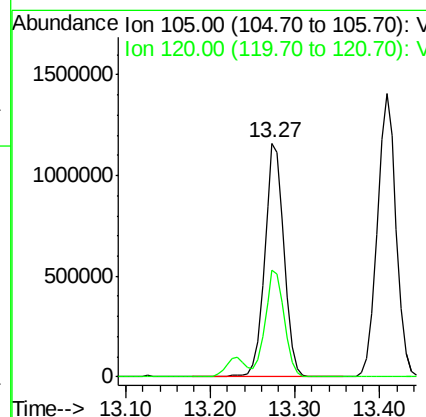
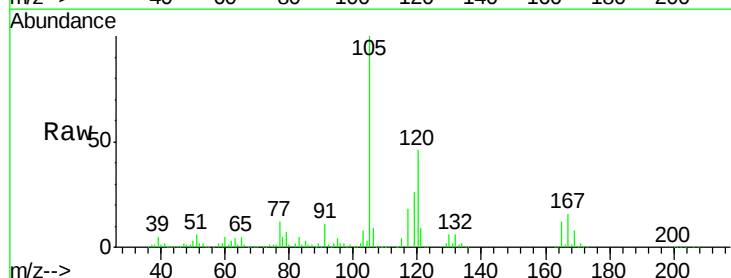
Manual Integrations
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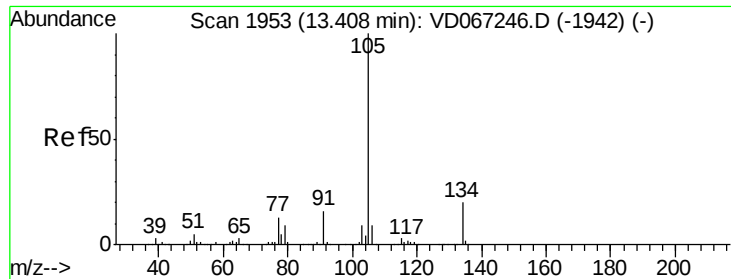
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 141.865 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion:105 Resp: 1855490
Ion Ratio Lower Upper
105 100
120 44.8 22.4 67.3





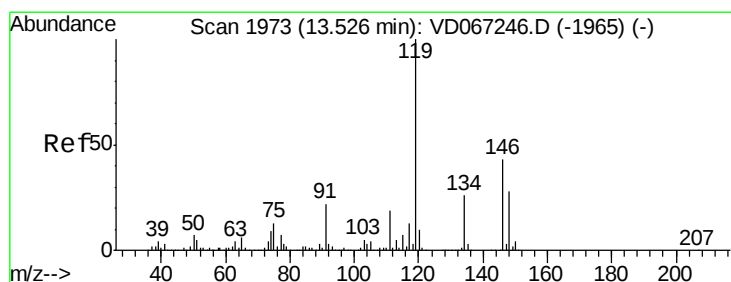
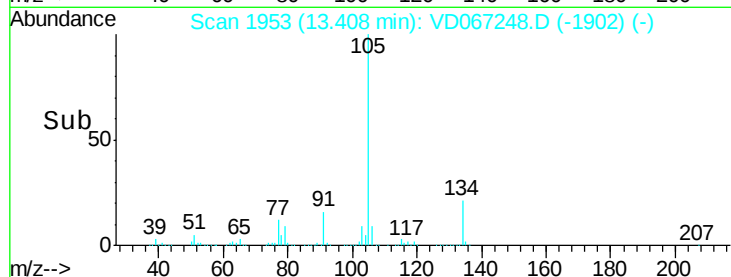
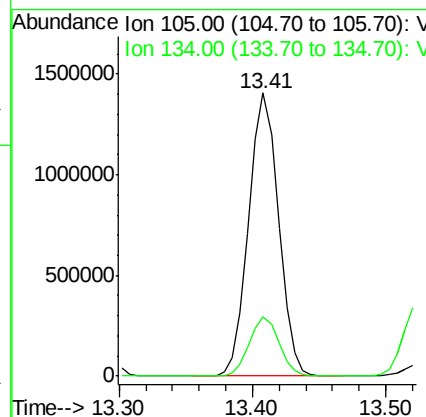
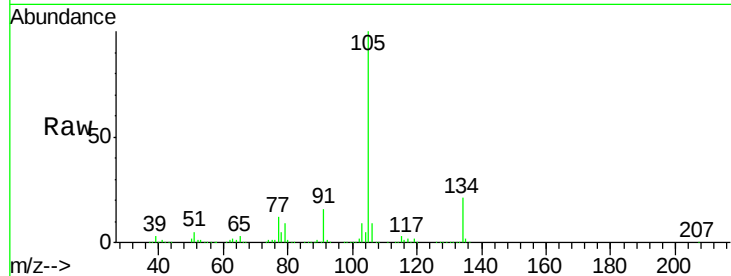
#85
 sec-Butylbenzene
 Concen: 141.046 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 2170648
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.5 31.5

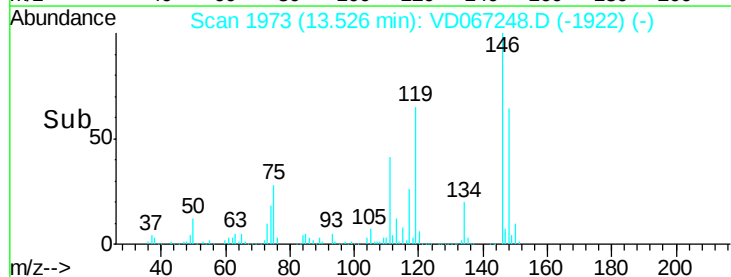
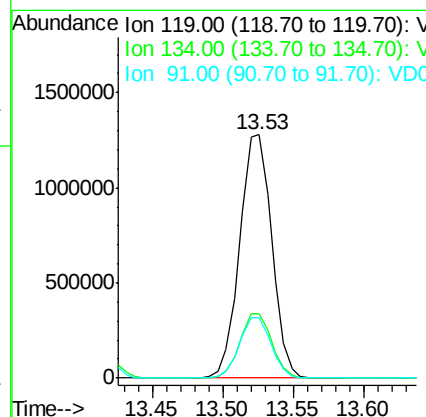
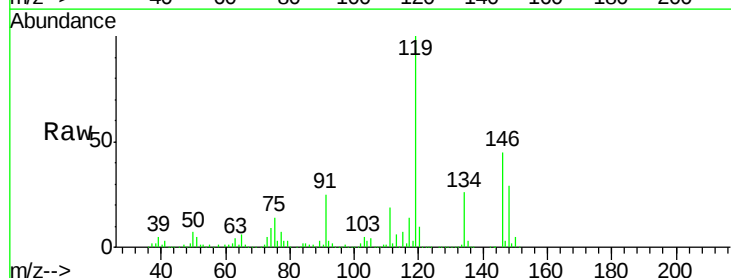
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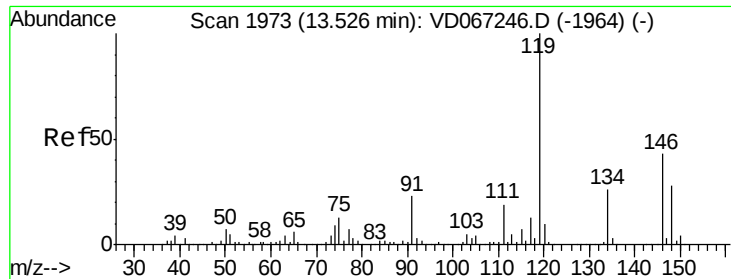
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 139.575 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion:119 Resp: 2030171
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 24.6 11.9 35.9





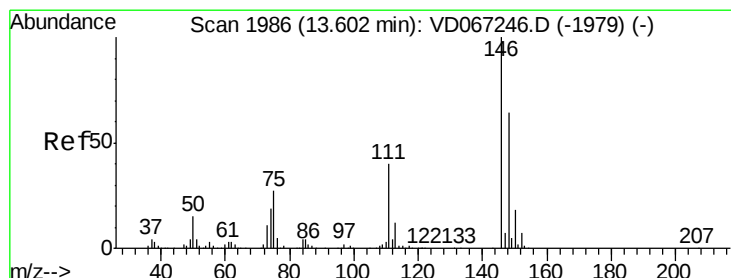
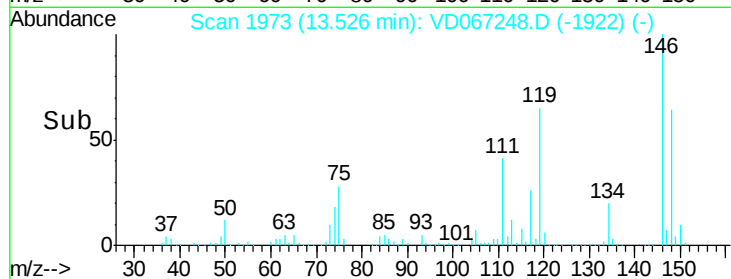
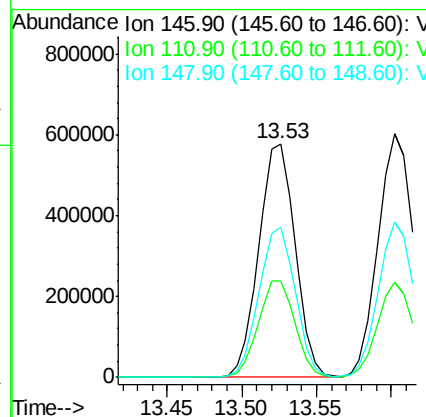
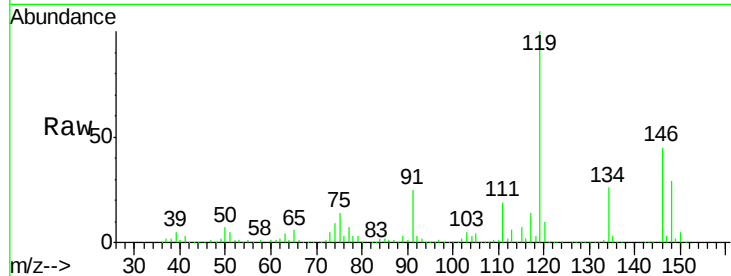
#87
 1,3-Dichlorobenzene
 Concen: 129.443 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.1	63.3
148	64.3	31.9	95.9

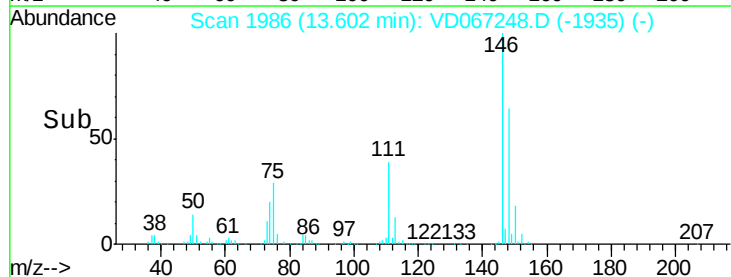
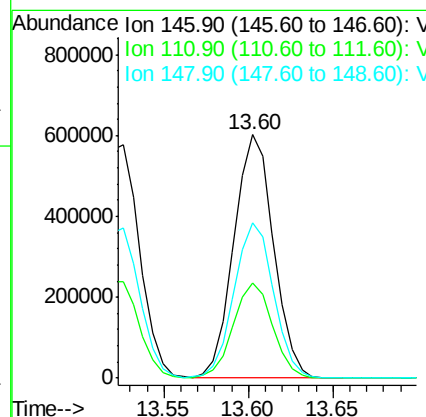
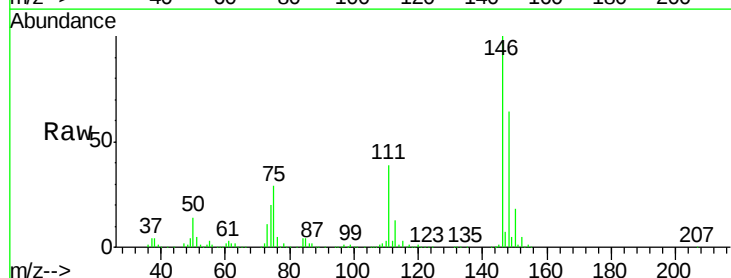
Manual Integrations
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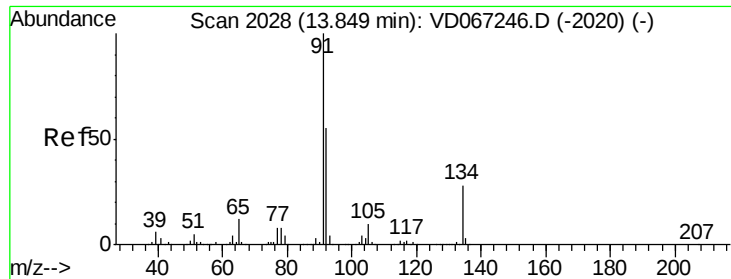
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#88
 1,4-Dichlorobenzene
 Concen: 133.459 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.9	59.7
148	63.7	31.9	95.9





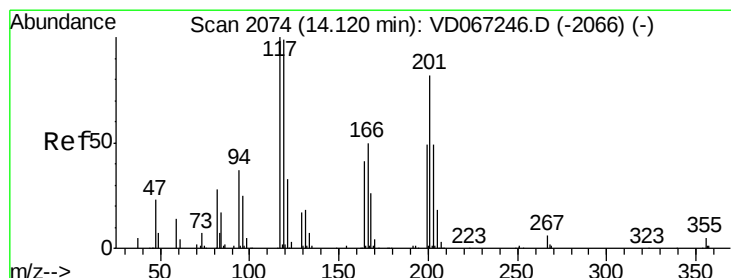
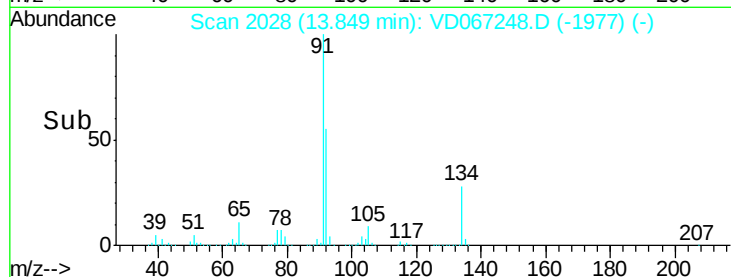
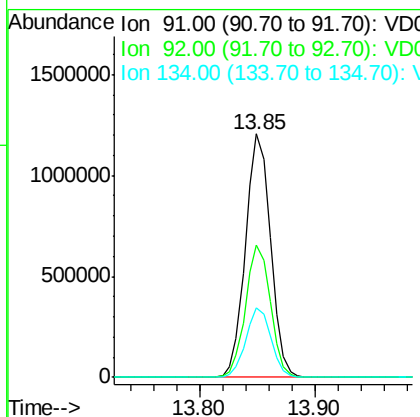
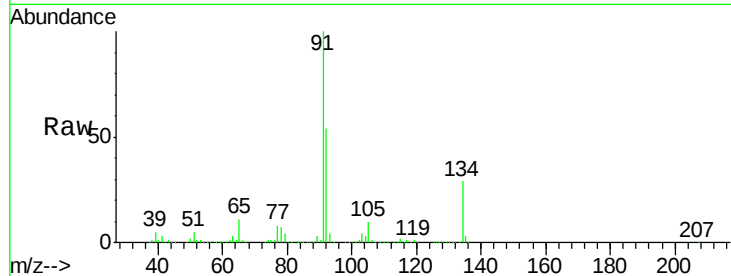
#89
n-Butylbenzene
Concen: 143.815 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1825187
Ion Ratio Lower Upper
91 100
92 53.9 26.7 80.0
134 28.6 14.2 42.6

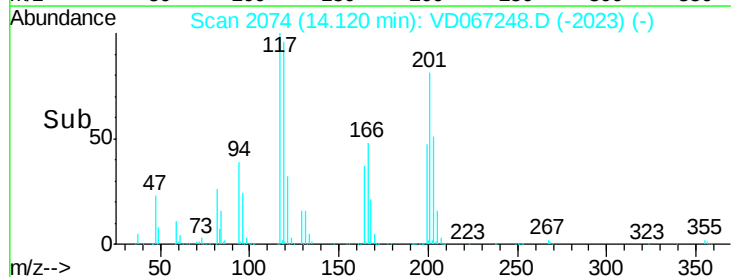
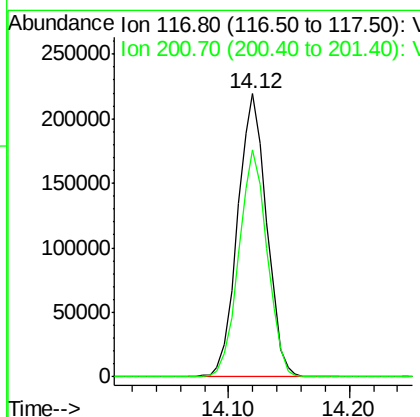
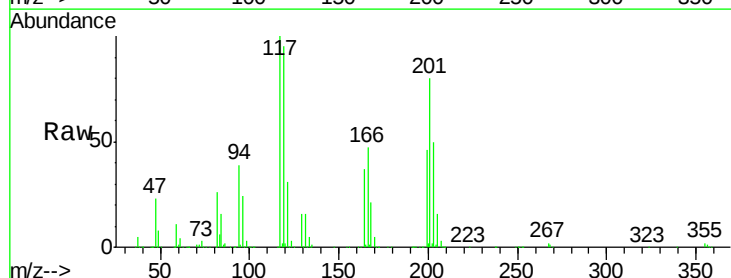
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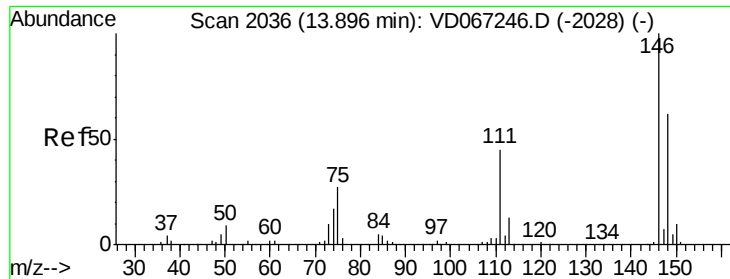
MMDadoda
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#90
Hexachloroethane
Concen: 145.469 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion: 117 Resp: 367095
Ion Ratio Lower Upper
117 100
201 78.7 40.8 122.2





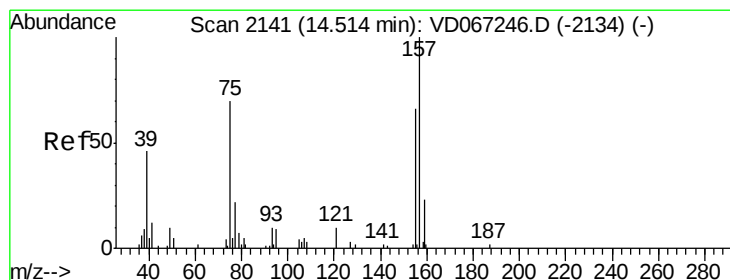
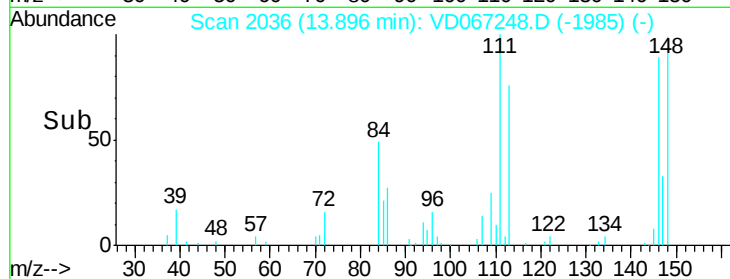
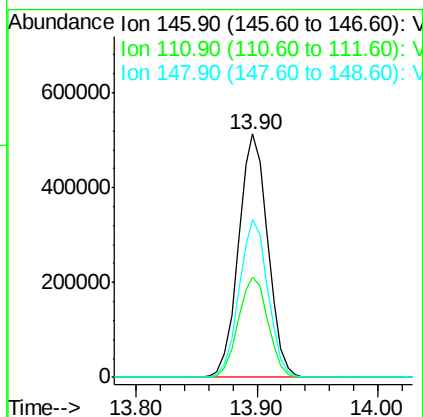
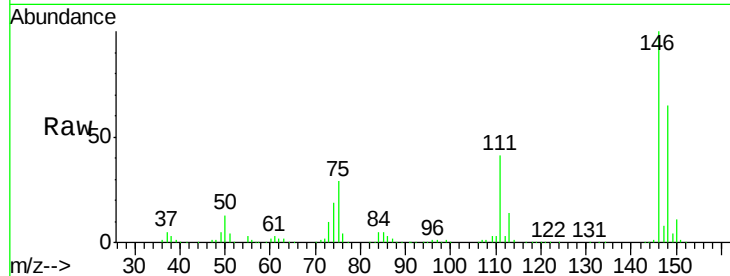
#91
 1,2-Dichlorobenzene
 Concen: 132.771 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.8	22.0	66.0
148	64.0	32.5	97.5

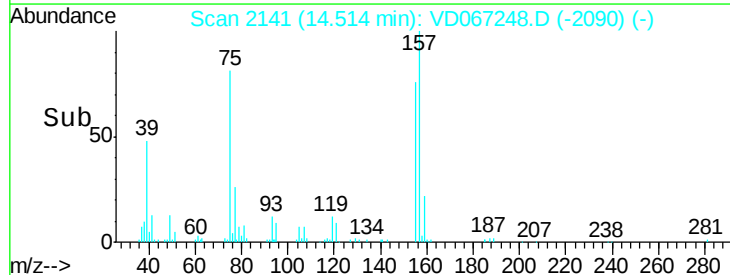
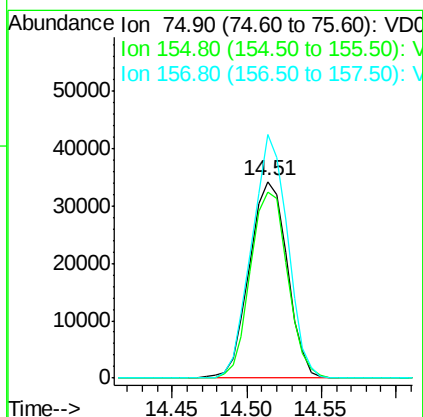
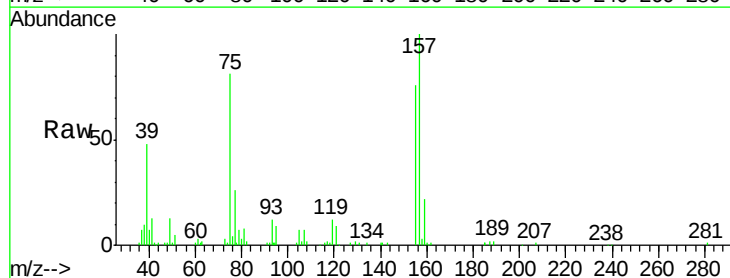
Manual Integrations
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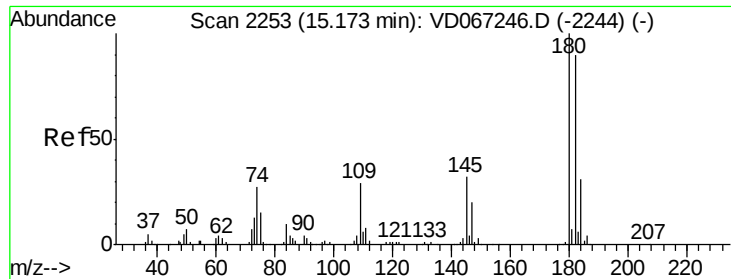
MMDadoda
 10/14/2020 2:10:15 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 141.409 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.6	44.8	134.4
157	117.4	62.5	187.4





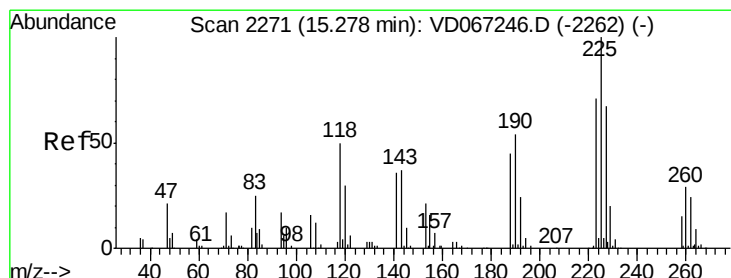
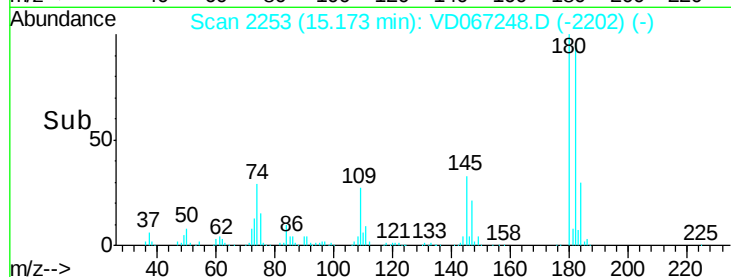
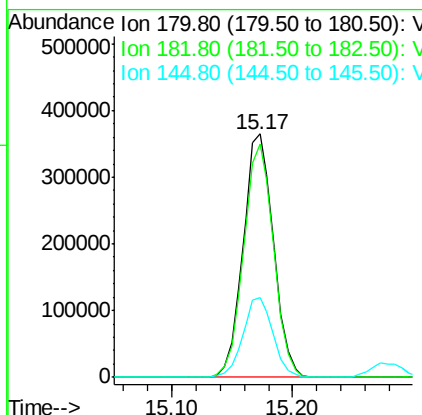
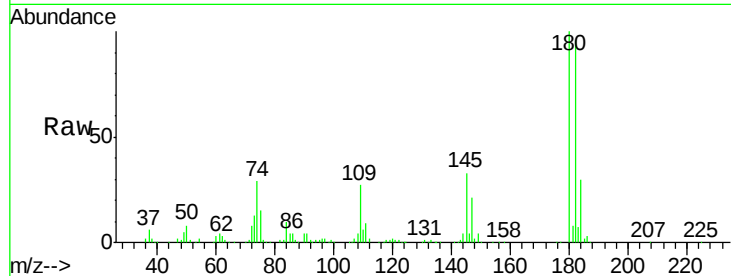
#93
 1,2,4-Trichlorobenzene
 Concen: 150.398 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100	637316		
182	94.6		48.1	144.4
145	32.3		16.3	48.9

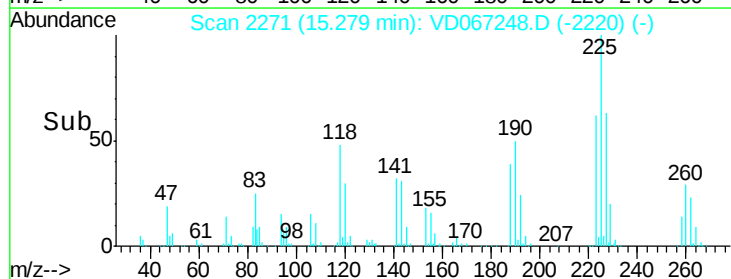
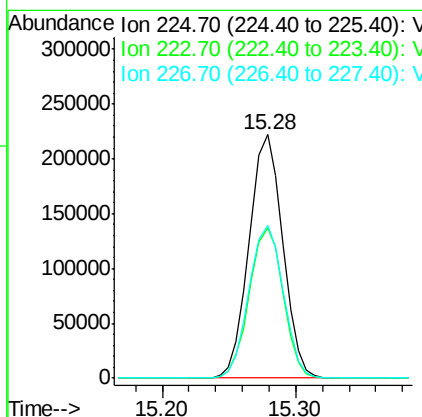
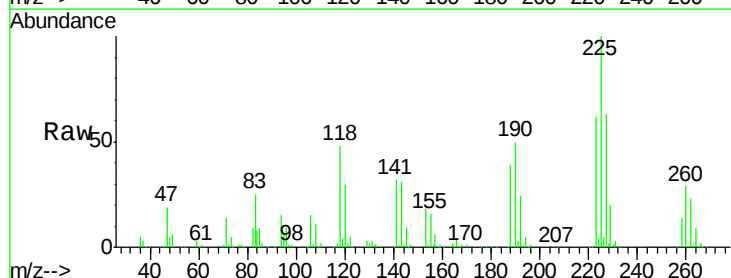
Manual Integrations
 APPROVED

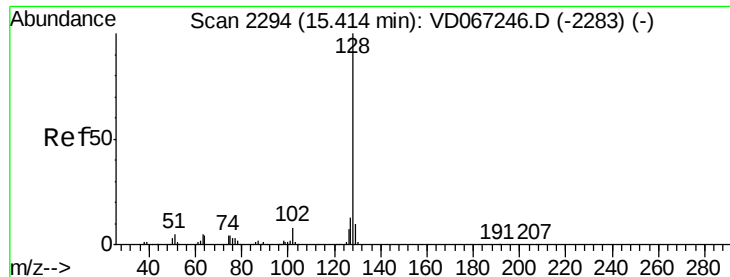
MMDadoda
 10/14/2020 2:10:15 PM



#94
 Hexachlorobutadiene
 Concen: 145.371 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067248.D
 Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	386652		
223	62.1		31.9	95.7
227	63.9		31.2	93.6





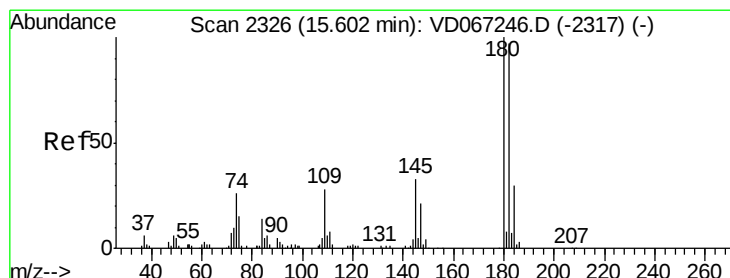
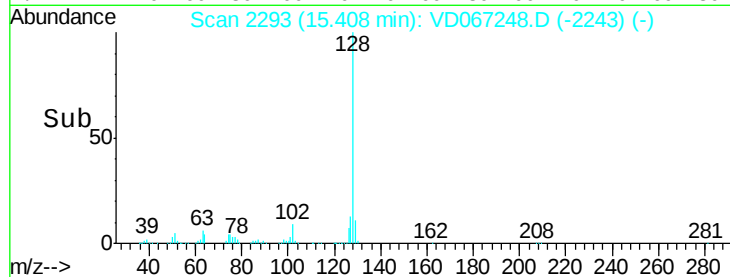
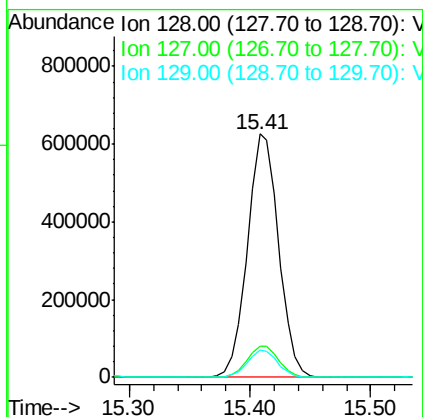
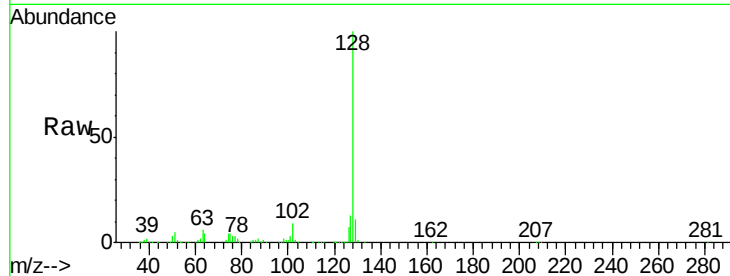
#95
Naphthalene
Concen: 169.631 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	11.0	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:15 PM



#96
1,2,3-Trichlorobenzene
Concen: 152.356 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067248.D
Acq: 13 Oct 2020 12:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.3
145	33.9	17.3	51.9

