

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041520\
 Data File : VD065638.D
 Acq On : 15 Apr 2020 16:28
 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
 4/16/2020 3:13:41 PM

Quant Time: Apr 15 19:48:37 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D041520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 15 18:47:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	340343	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	325247	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	166071	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	298536	127.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	255.86%	
35) Dibromofluoromethane	7.92	113	312415	133.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	267.44%	
50) Toluene-d8	10.34	98	1176537	138.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	276.68%	
62) 4-Bromofluorobenzene	12.64	95	399679	144.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	289.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	310208	140.287	ug/l	99
3) Chloromethane	2.21	50	334400	123.898	ug/l	100
4) Vinyl Chloride	2.35	62	345128	135.034	ug/l	100
5) Bromomethane	2.74	94	206594	118.315	ug/l	96
6) Chloroethane	2.91	64	205879	130.836	ug/l	99
7) Trichlorofluoromethane	3.27	101	481133	124.775	ug/l	98
8) Diethyl Ether	3.70	74	109377	138.069	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	236259	99.296	ug/l	99
10) Methyl Iodide	4.29	142	448930	192.147	ug/l	93
11) Tert butyl alcohol	5.24	59	86620	771.123	ug/l	98
12) 1,1-Dichloroethene	4.06	96	217479	99.426	ug/l	99
13) Acrolein	3.92	56	78428	501.727	ug/l	100
14) Allyl chloride	4.71	41	526344	162.072	ug/l	90
15) Acrylonitrile	5.43	53	372933	820.725	ug/l	99
16) Acetone	4.16	43	251931	622.779	ug/l	98
17) Carbon Disulfide	4.40	76	1037311	142.616	ug/l	100
18) Methyl Acetate	4.72	43	184451	156.821	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	726778	168.715	ug/l	99
20) Methylene Chloride	4.96	84	343644	131.024	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	360542	145.006	ug/l	95
22) Diisopropyl ether	6.37	45	1053109	155.651	ug/l	99
23) Vinyl Acetate	6.31	43	3028252	839.166	ug/l	100
24) 1,1-Dichloroethane	6.26	63	602793	135.493	ug/l	100
25) 2-Butanone	7.22	43	449199	761.174	ug/l	99
26) 2,2-Dichloropropane	7.21	77	518521	130.851	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	392670	144.594	ug/l	98
28) Bromochloromethane	7.55	49	233784	129.324	ug/l	100
29) Tetrahydrofuran	7.57	42	304294	815.234	ug/l	99
30) Chloroform	7.71	83	606998	130.533	ug/l	97
31) Cyclohexane	7.98	56	572740	137.904	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	543996	130.068	ug/l	99
36) 1,1-Dichloropropene	8.11	75	487878	141.463	ug/l	99
37) Ethyl Acetate	7.30	43	210498	157.563	ug/l	98
38) Carbon Tetrachloride	8.10	117	504112	134.545	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	621052	159.086	ug/l	98
40) Benzene	8.35	78	1404300	142.079	ug/l	99
41) Methacrylonitrile	7.53	41	112614m	148.765	ug/l	
42) 1,2-Dichloroethane	8.43	62	391654	140.116	ug/l	100
43) Isopropyl Acetate	8.46	43	395543	164.386	ug/l	99
44) Trichloroethene	9.11	130	393000	139.186	ug/l	97
45) 1,2-Dichloropropane	9.39	63	348367	143.640	ug/l	99
46) Dibromomethane	9.48	93	185344	141.786	ug/l	99
47) Bromodichloromethane	9.67	83	476891	139.799	ug/l	96
48) Methyl methacrylate	9.46	41	195303	170.207	ug/l	95
49) 1,4-Dioxane	9.47	88	44878	3156.671	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	1024072	819.445	ug/l	99
52) Toluene	10.41	92	912486	146.474	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	482955	157.809	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	574437	154.346	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	256383	138.850	ug/l	99
56) Ethyl methacrylate	10.67	69	339294	181.449	ug/l	98
57) 1,3-Dichloropropane	10.95	76	452205	147.901	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	795880	817.585	ug/l	99
59) 2-Hexanone	10.99	43	702845	842.389	ug/l	98
60) Dibromochloromethane	11.14	129	344646	141.389	ug/l	99
61) 1,2-Dibromoethane	11.25	107	253523	144.371	ug/l	99
64) Tetrachloroethene	10.88	164	339379	134.301	ug/l	98
65) Chlorobenzene	11.67	112	964556	139.758	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	367651	139.997	ug/l	99
67) Ethyl Benzene	11.75	91	1728708	152.044	ug/l	99
68) m/p-Xylenes	11.86	106	1331385	297.862	ug/l	99
69) o-Xylene	12.18	106	613228	158.620	ug/l	100
70) Styrene	12.20	104	1080431	157.894	ug/l	100
71) Bromoform	12.37	173	212629	141.725	ug/l #	98
73) Isopropylbenzene	12.48	105	1646452	159.319	ug/l	99
74) N-amyl acetate	12.30	43	370282	174.658	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	275665	141.734	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	191016m	139.735	ug/l	
77) Bromobenzene	12.77	156	415533	145.660	ug/l	97
78) n-propylbenzene	12.83	91	1926464	154.200	ug/l	99
79) 2-Chlorotoluene	12.91	91	1076530	150.085	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1359034	155.168	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	99824	171.158	ug/l	97
82) 4-Chlorotoluene	13.01	91	1120510	144.625	ug/l	99
83) tert-Butylbenzene	13.23	119	1160685	160.068	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1361073	156.783	ug/l	100
85) sec-Butylbenzene	13.41	105	1622656	155.908	ug/l	100
86) p-Isopropyltoluene	13.53	119	1524156	158.812	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	764936	138.446	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	753255	136.426	ug/l	99
89) n-Butylbenzene	13.86	91	1391652	160.019	ug/l	99
90) Hexachloroethane	14.12	117	296920	141.327	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	672729	142.662	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	43241	142.977	ug/l	97

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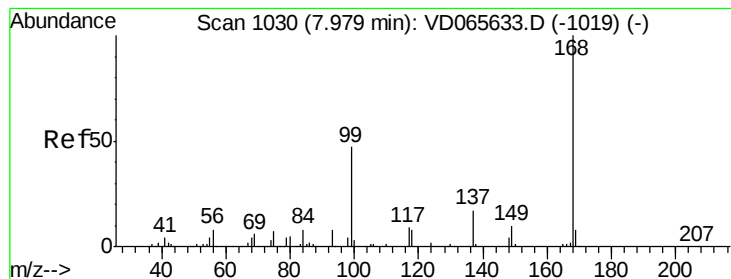
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	503673	161.606	ug/l	98
94) Hexachlorobutadiene	15.28	225	320836	148.480	ug/l	98
95) Naphthalene	15.41	128	850373	185.608	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	442120	161.973	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:168 Resp: 247950

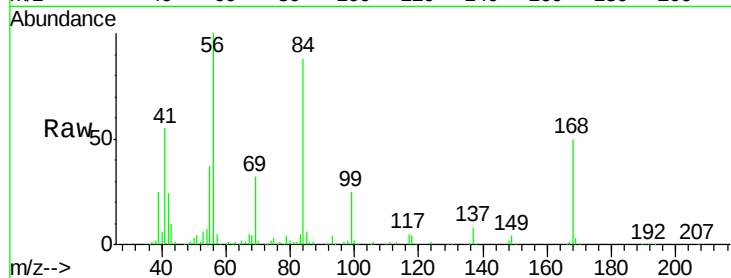
Ion Ratio Lower Upper

168 100

99 50.4 40.3 60.5

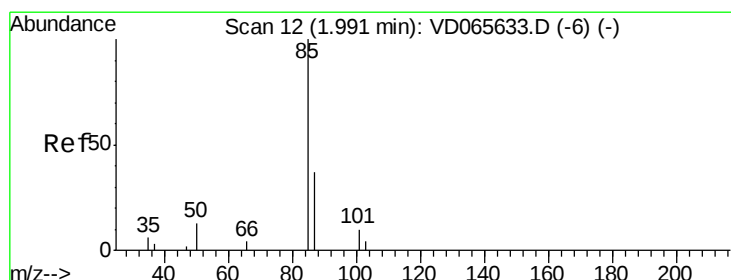
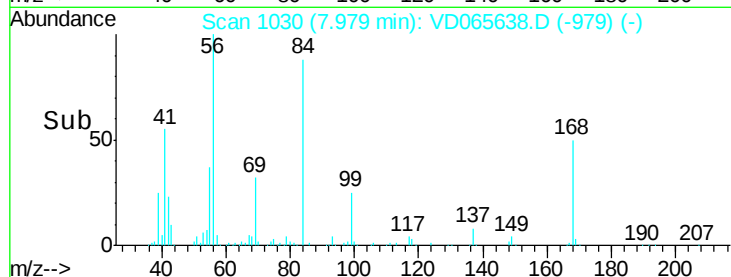
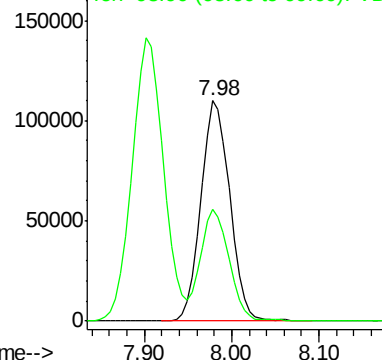
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 140.287 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065638.D

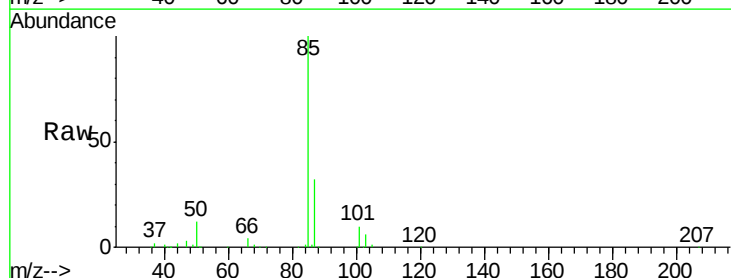
Acq: 15 Apr 2020 16:28

Tgt Ion: 85 Resp: 310208

Ion Ratio Lower Upper

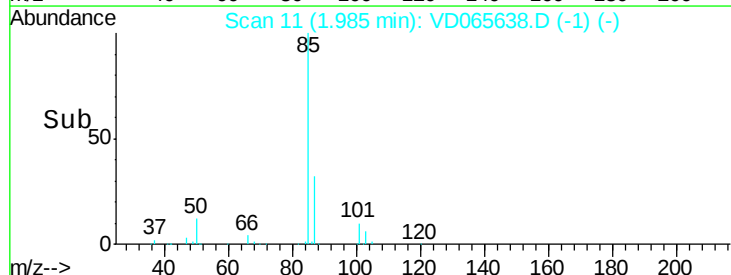
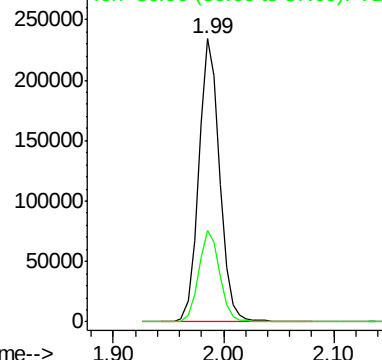
85 100

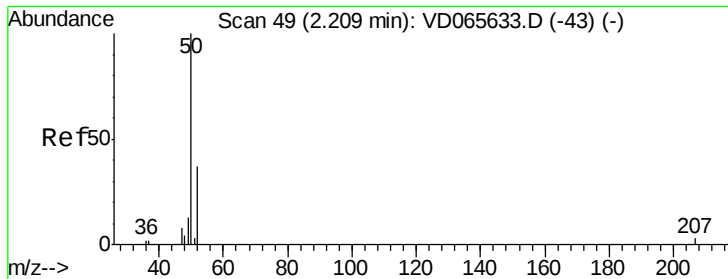
87 32.2 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 123.898 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 50 Resp: 334400

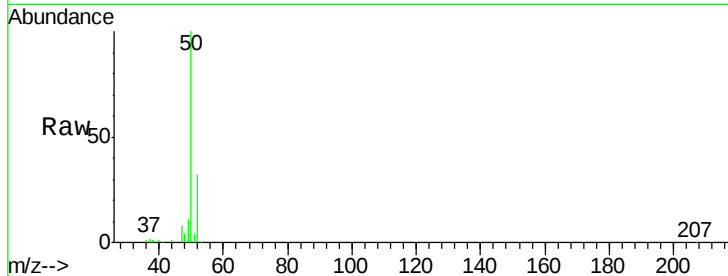
Ion Ratio Lower Upper

50 100

52 31.9 25.7 38.5

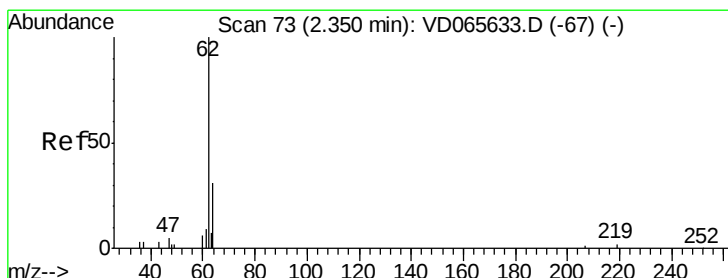
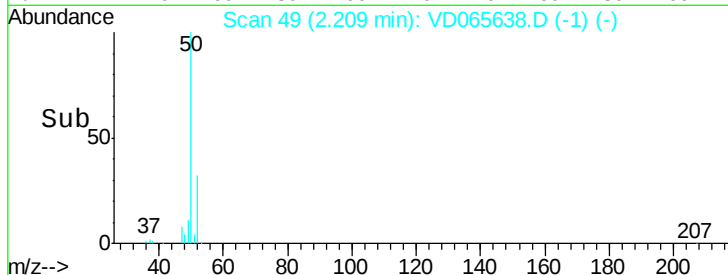
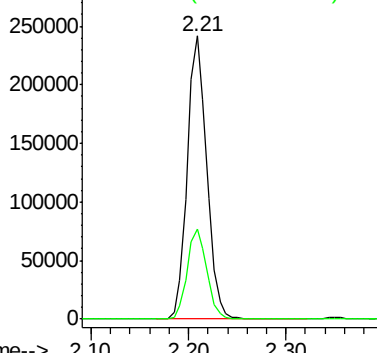
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 135.034 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065638.D

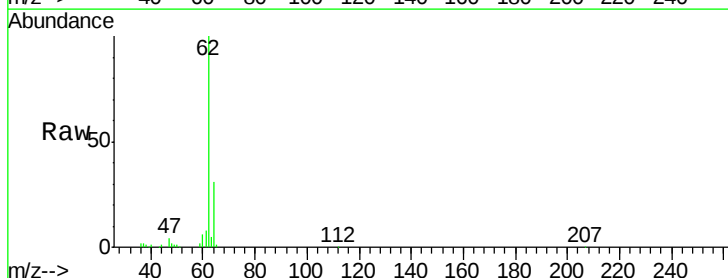
Acq: 15 Apr 2020 16:28

Tgt Ion: 62 Resp: 345128

Ion Ratio Lower Upper

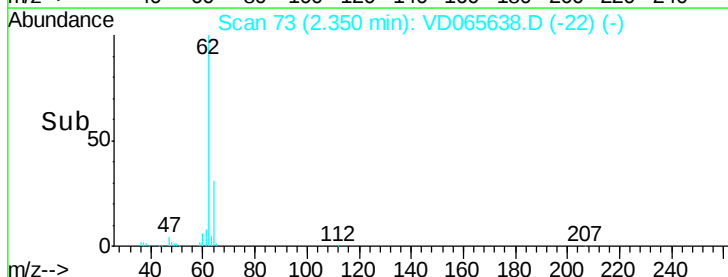
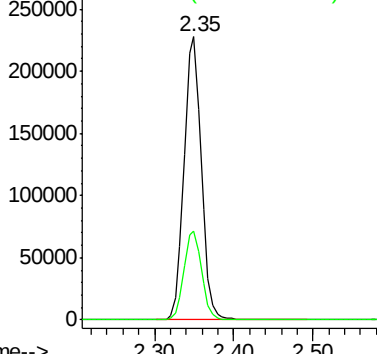
62 100

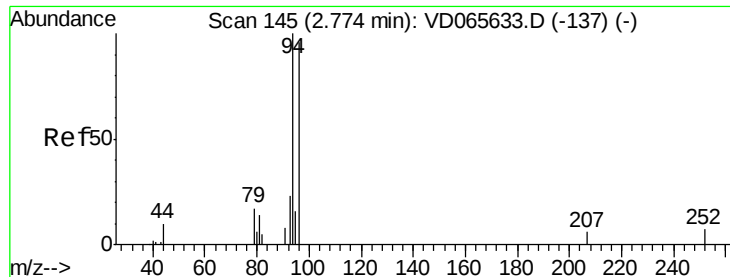
64 31.2 25.1 37.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 118.315 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 94 Resp: 206594

Ion Ratio Lower Upper

94 100

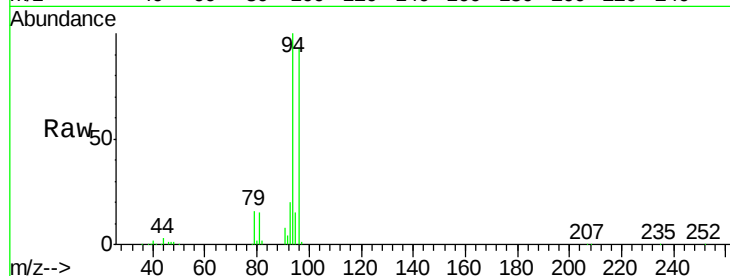
96 93.1 77.9 116.9

Manual Integrations

APPROVED

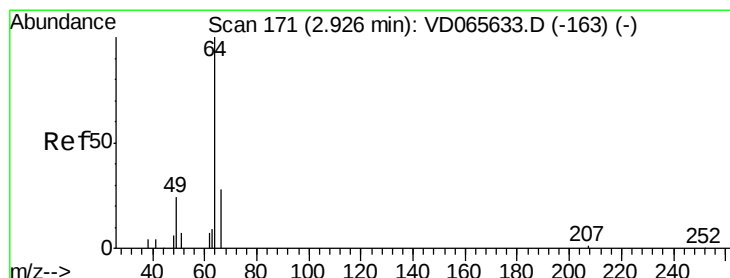
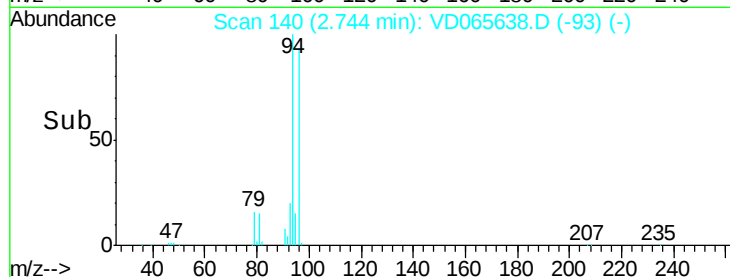
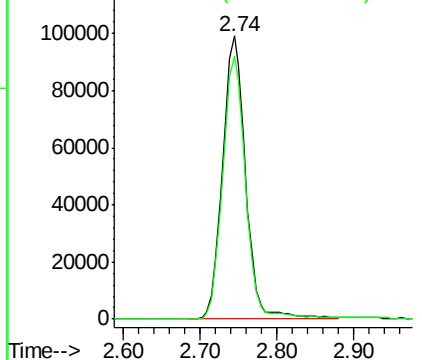
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 130.836 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.01 min

Lab File: VD065638.D

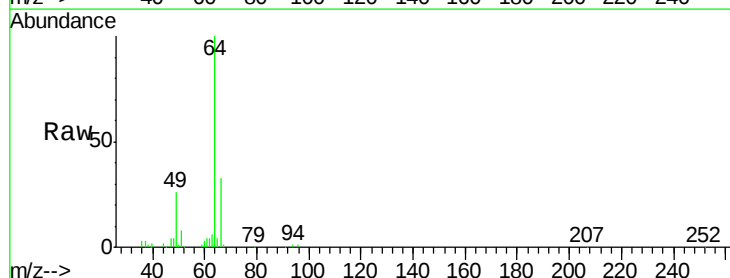
Acq: 15 Apr 2020 16:28

Tgt Ion: 64 Resp: 205879

Ion Ratio Lower Upper

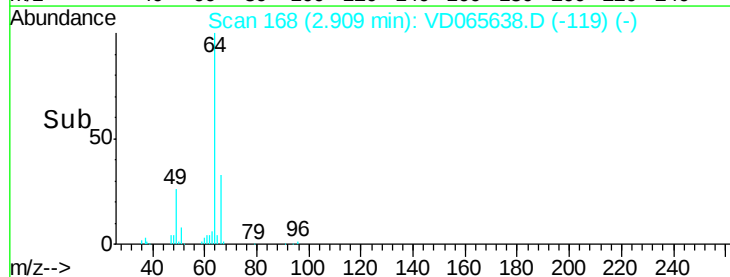
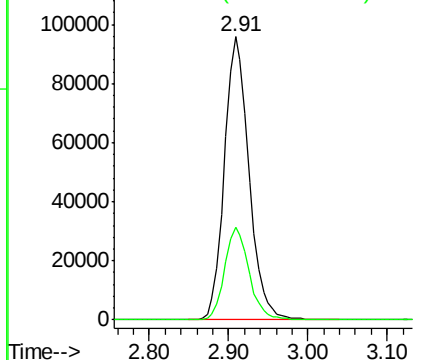
64 100

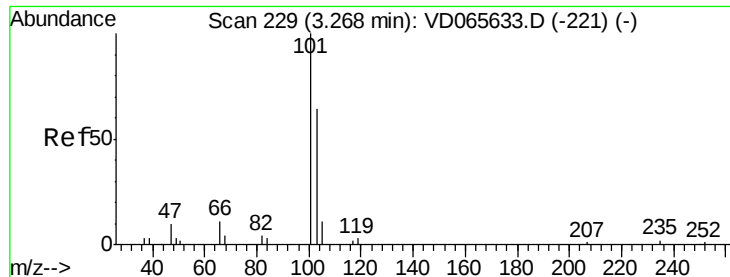
66 32.8 25.6 38.4



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

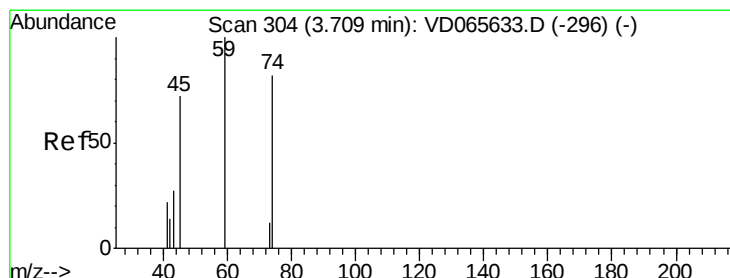
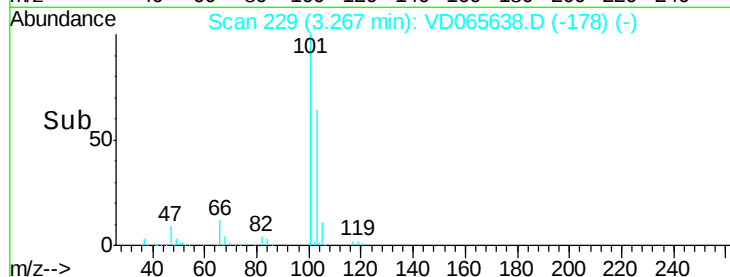
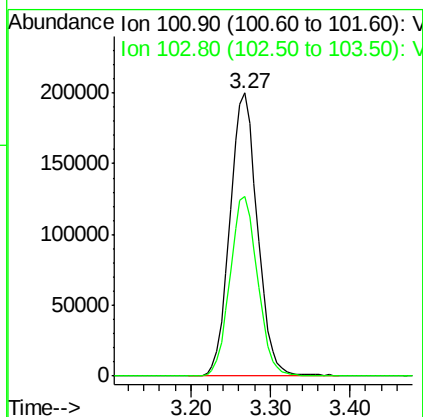
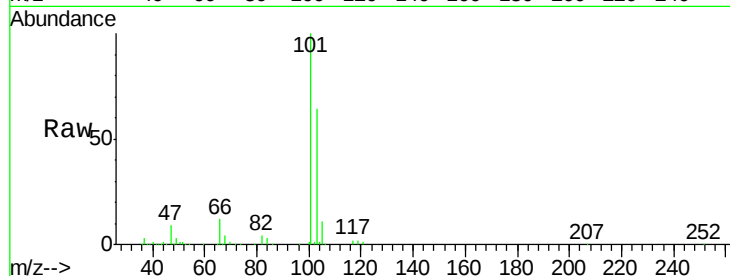
Trichlorofluoromethane
Concen: 124.775 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	52.2	78.4

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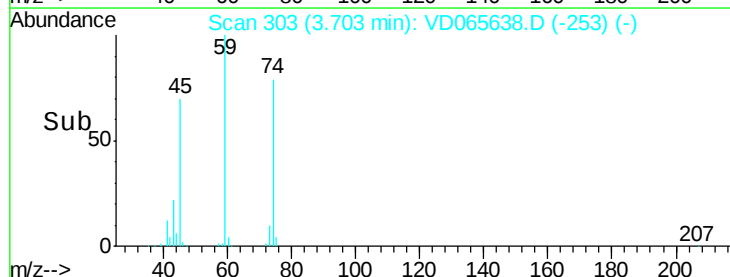
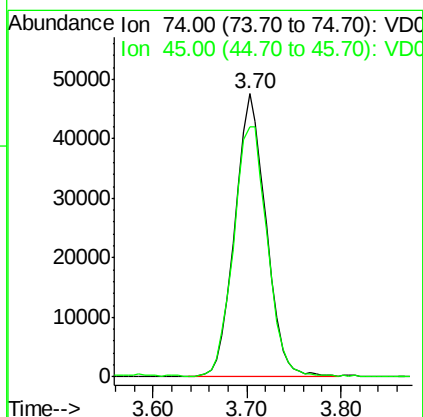
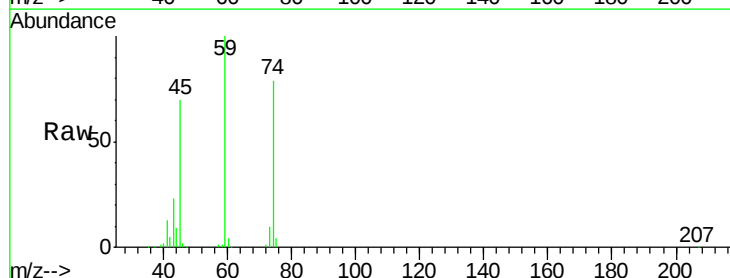
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4/16/2020 3:13:41 PM

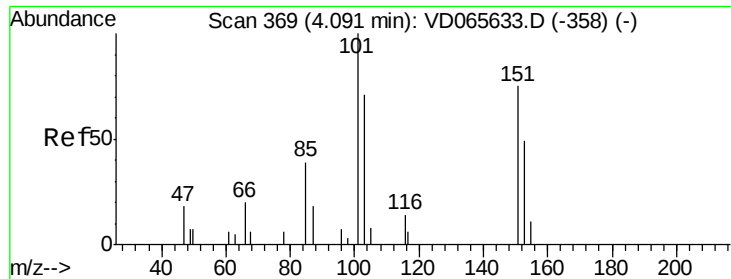


#8

Diethyl Ether
Concen: 138.069 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.3	49.9	149.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 99.296 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

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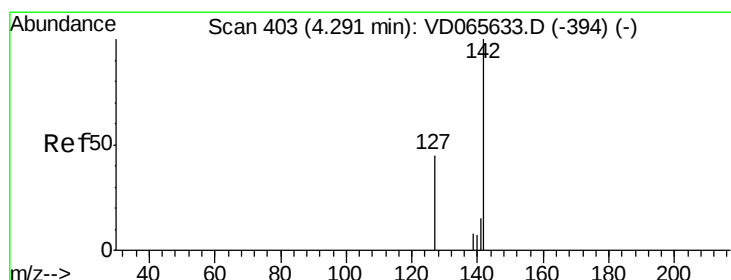
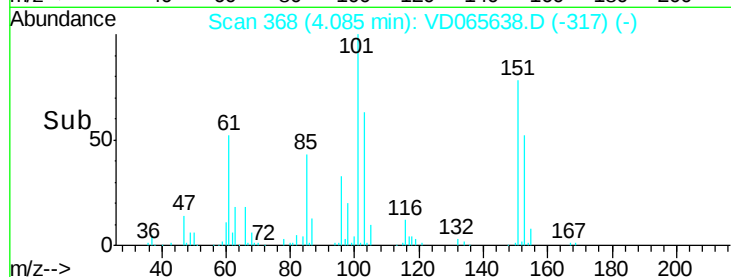
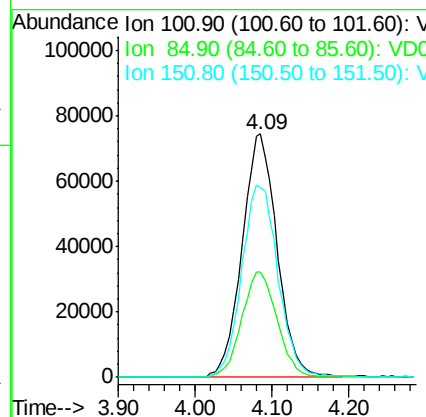
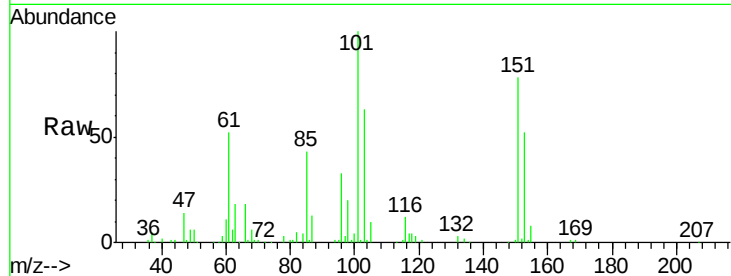
ClientSampleId :

VSTDIC150

Tot Ion:	101	Resp:	236259
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.2	54.2
151	82.5	65.6	98.4

Manual Integrations
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#10

Methyl Iodide

Concen: 192.147 ug/l

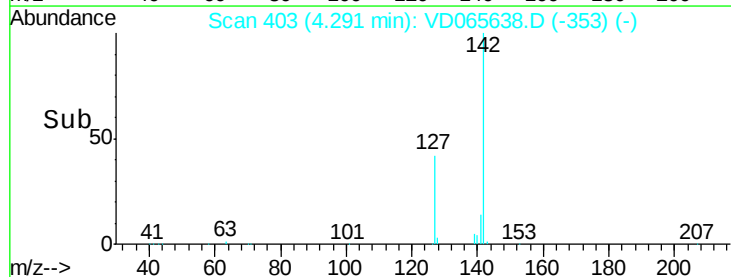
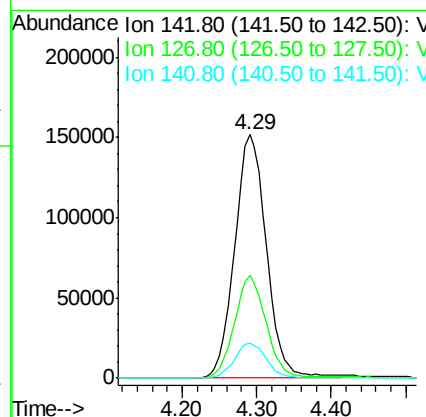
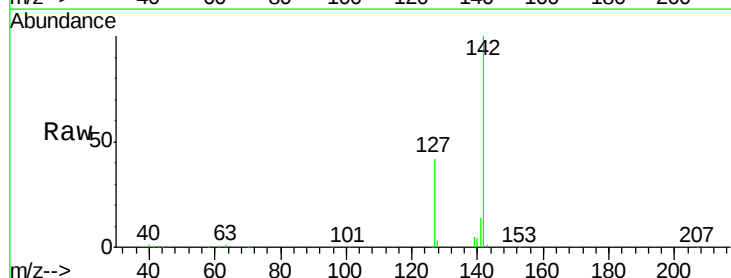
RT: 4.29 min Scan# 403

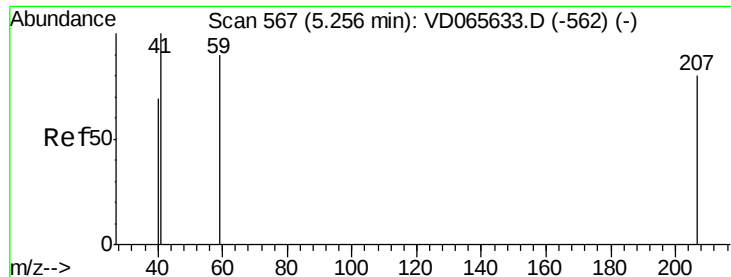
Delta R.T. -0.01 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion:	142	Resp:	448930
Ion Ratio	Lower	Upper	
142	100		
127	41.7	38.1	57.1
141	14.5	12.1	18.1





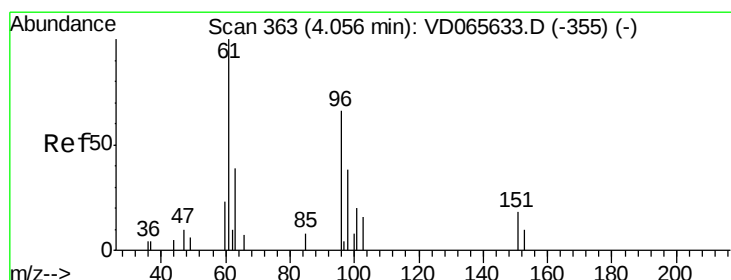
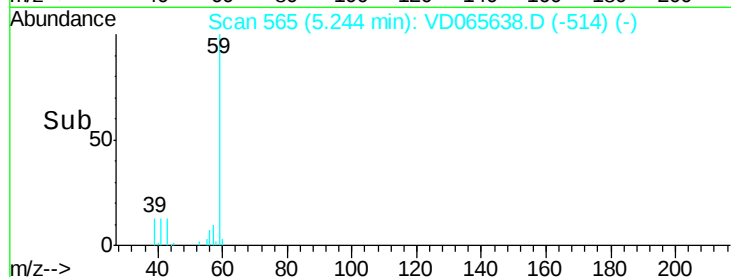
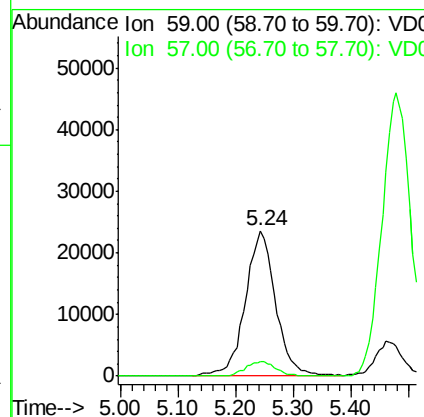
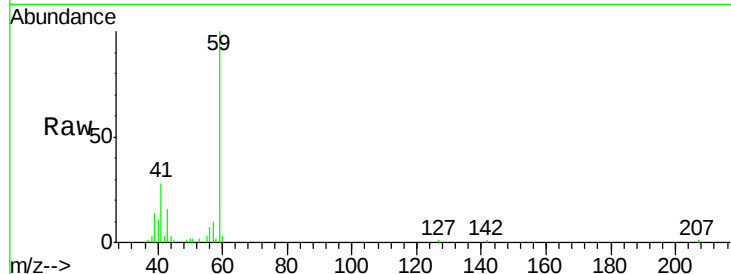
#11
Tert butyl alcohol
Concen: 771.123 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 59 Resp: 86620
Ion Ratio Lower Upper
59 100
57 10.0 7.4 11.2

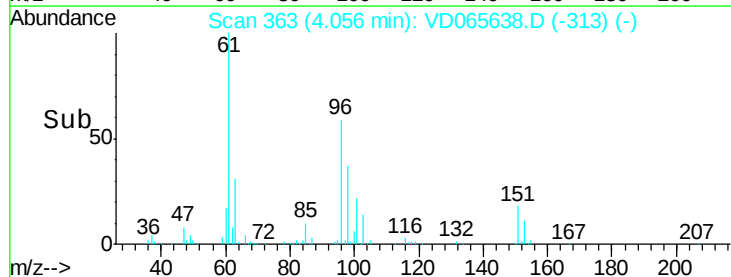
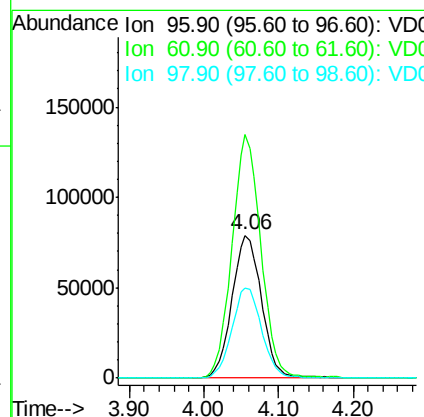
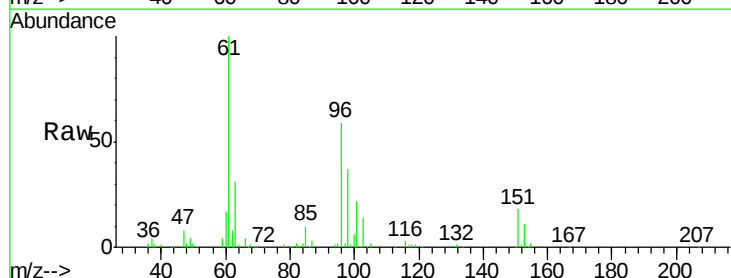
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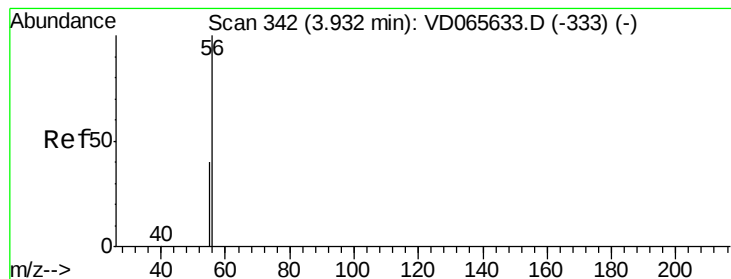
MMDadoda
4/16/2020 3:13:41 PM



#12
1,1-Dichloroethene
Concen: 99.426 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 96 Resp: 217479
Ion Ratio Lower Upper
96 100
61 170.5 136.2 204.2
98 63.2 52.2 78.2





#13

Acrolein

Concen: 501.727 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 56 Resp: 78428

Ion Ratio Lower Upper

56 100

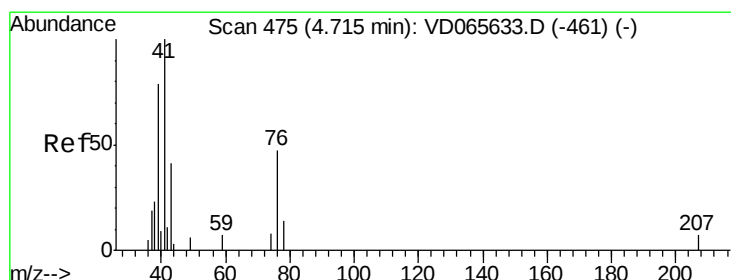
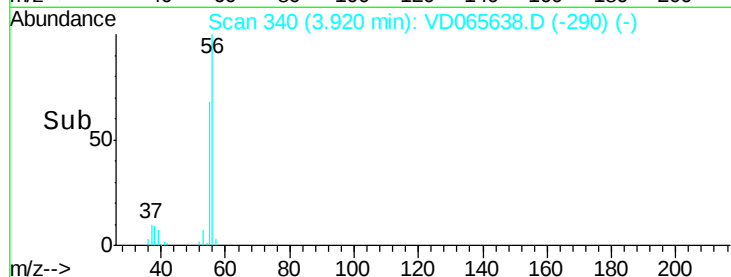
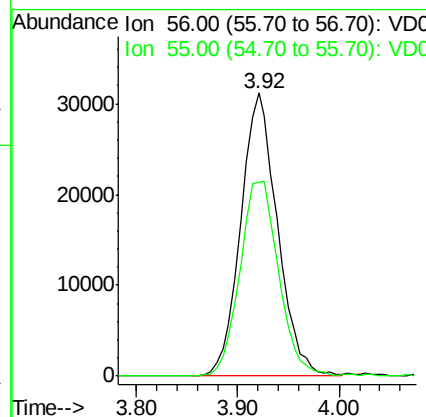
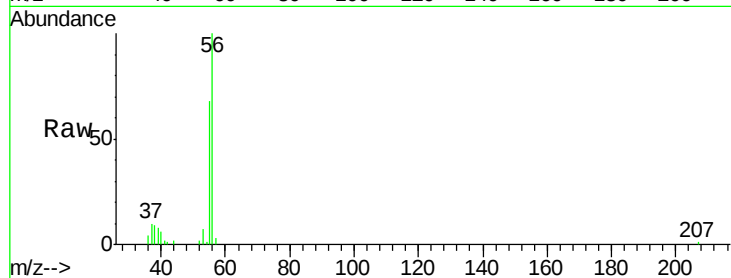
55 72.6 58.2 87.2

Manual Integrations

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#14

Allyl chloride

Concen: 162.072 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

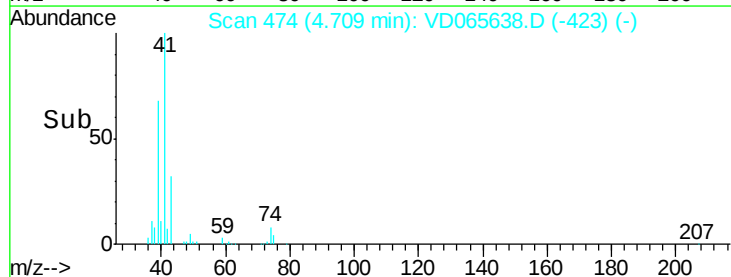
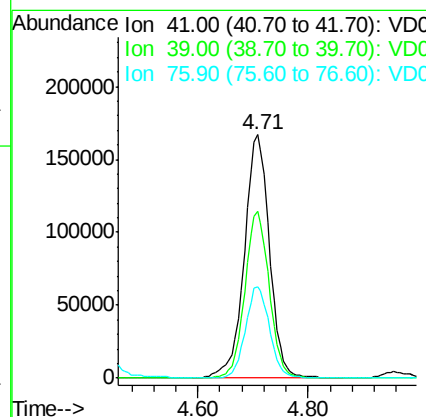
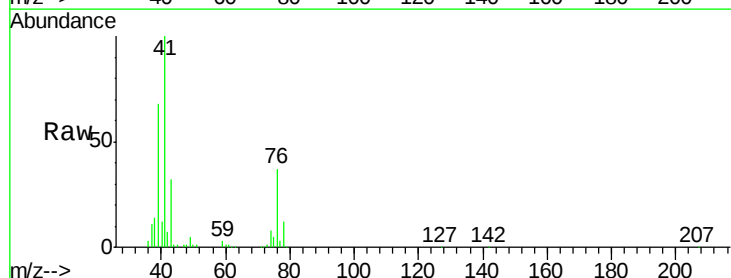
Tgt Ion: 41 Resp: 526344

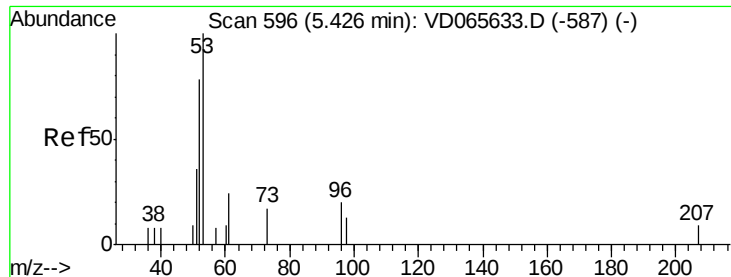
Ion Ratio Lower Upper

41 100

39 66.3 62.5 93.7

76 35.3 29.1 43.7





#15

Acrylonitrile

Concen: 820.725 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

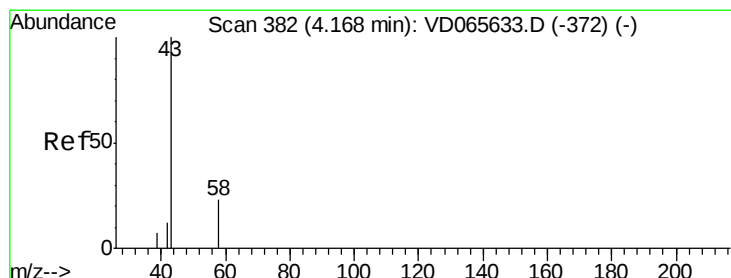
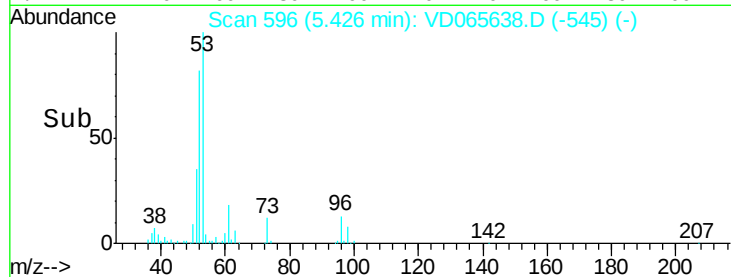
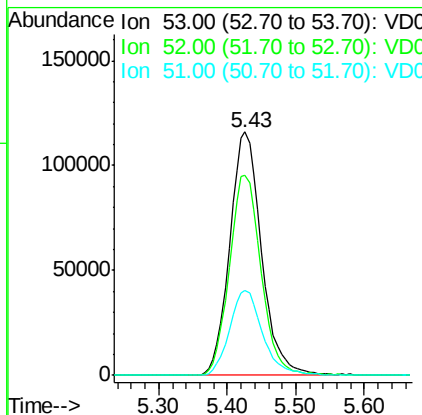
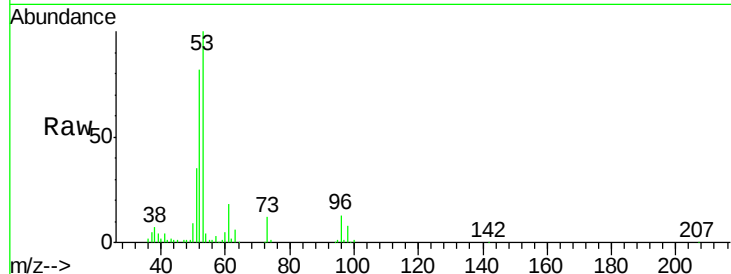
ClientSampleId :

VSTDIC150

Tot Ion:	53	Resp:	372933
Ion Ratio	Lower	Upper	
53	100		
52	81.7	65.8	98.6
51	36.6	30.9	46.3

Manual Integrations
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#16

Acetone

Concen: 622.779 ug/l

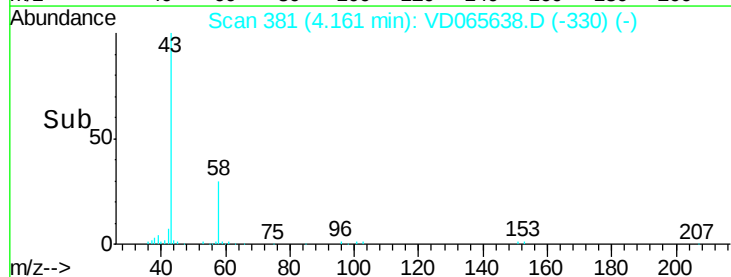
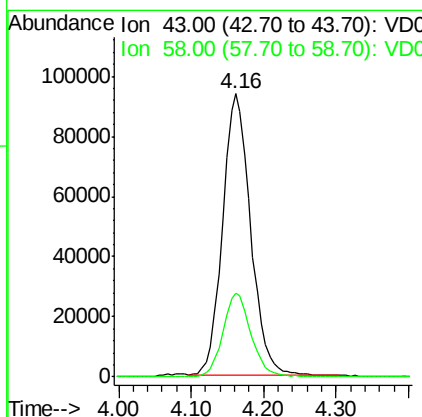
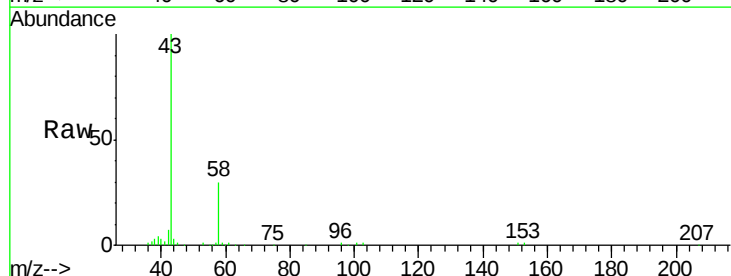
RT: 4.16 min Scan# 381

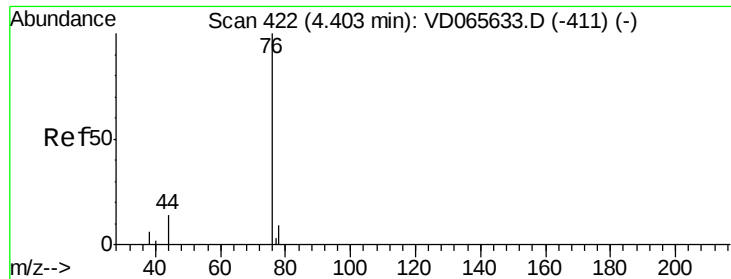
Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion:	43	Resp:	251931
Ion Ratio	Lower	Upper	
43	100		
58	29.7	22.9	34.3





#17

Carbon Disulfide

Concen: 142.616 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 76 Resp: 1037311

Ion Ratio Lower Upper

76 100

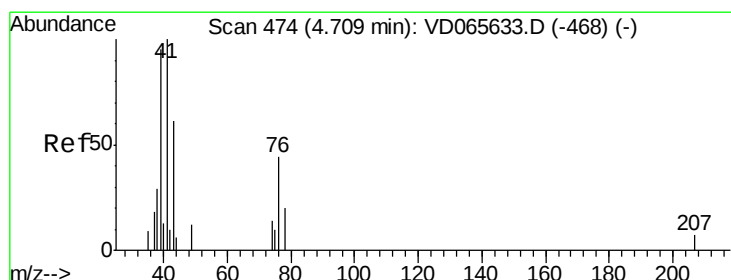
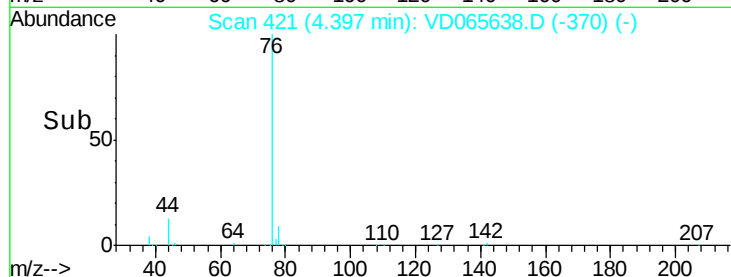
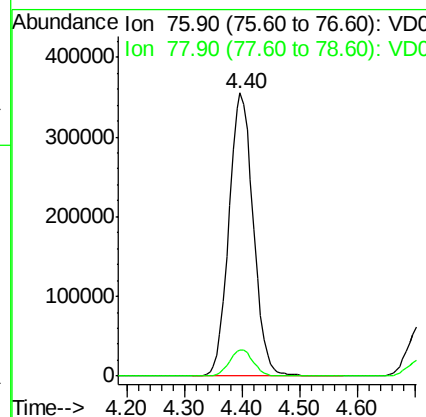
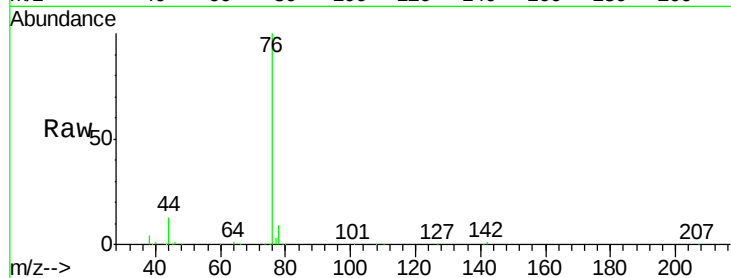
78 9.2 7.3 10.9

Manual Integrations

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#18

Methyl Acetate

Concen: 156.821 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD065638.D

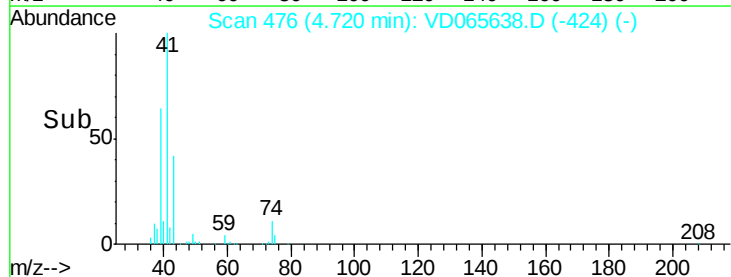
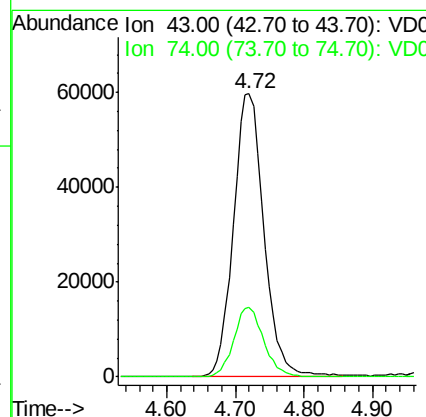
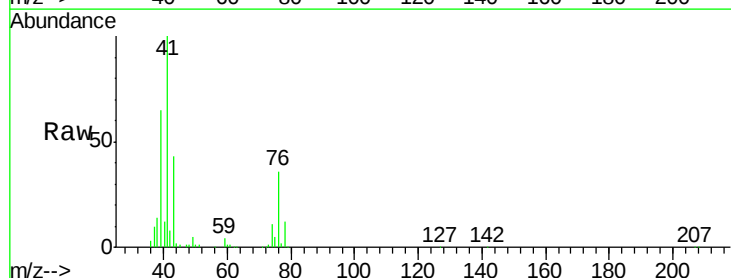
Acq: 15 Apr 2020 16:28

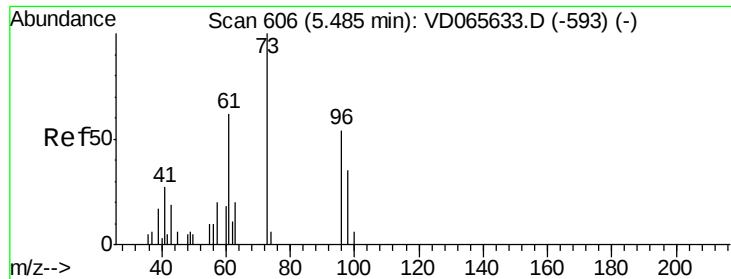
Tgt Ion: 43 Resp: 184451

Ion Ratio Lower Upper

43 100

74 24.0 18.6 28.0





#19

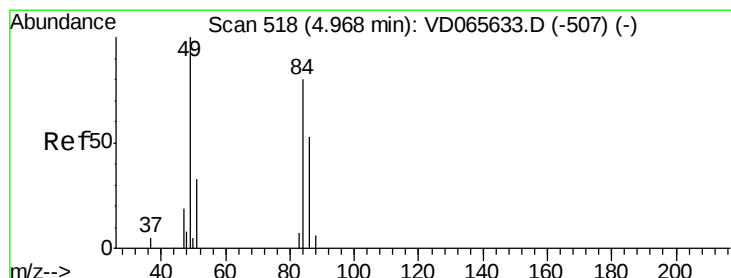
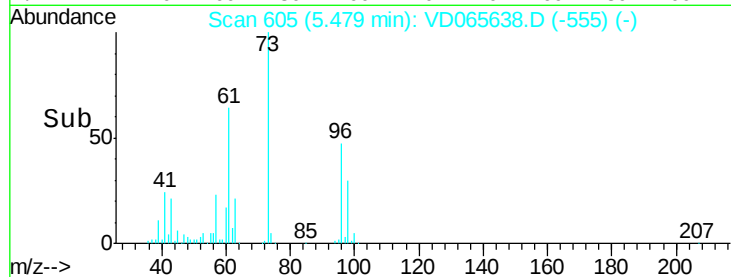
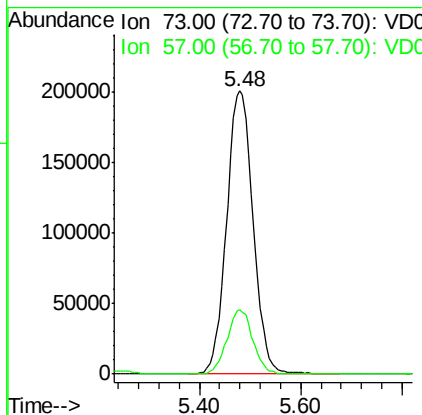
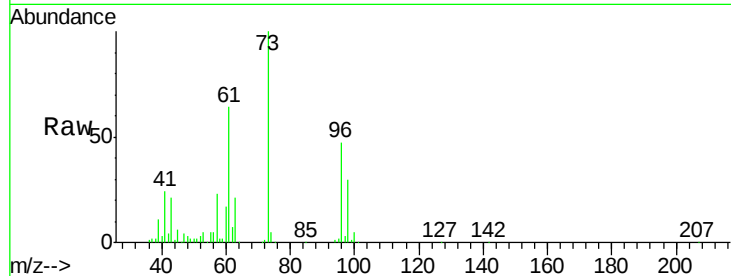
Methyl tert-butyl Ether
 Concen: 168.715 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.01 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 73 Resp: 726778
 Ion Ratio Lower Upper
 73 100
 57 22.9 17.8 26.8

Manual Integrations
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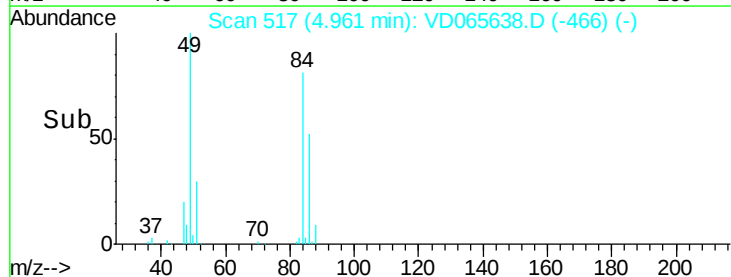
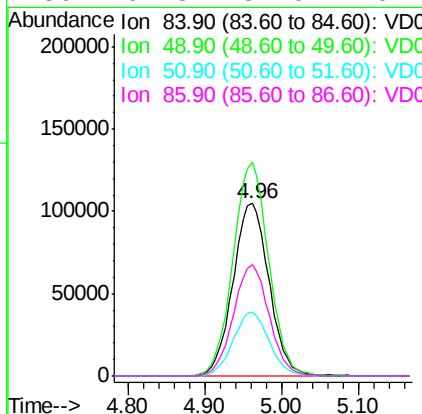
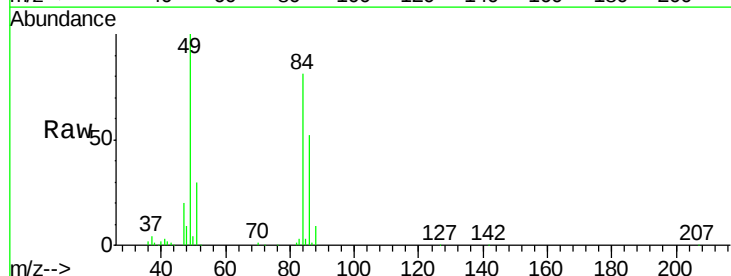
MMDadoda
 4/16/2020 3:13:41 PM

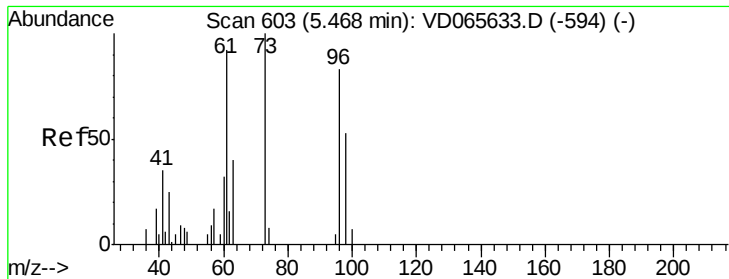


#20

Methylene Chloride
 Concen: 131.024 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 84 Resp: 343644
 Ion Ratio Lower Upper
 84 100
 49 123.7 102.0 153.0
 51 37.4 30.8 46.2
 86 64.3 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 145.006 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 96 Resp: 360542

Ion Ratio Lower Upper

96 100

61 135.4 102.6 153.8

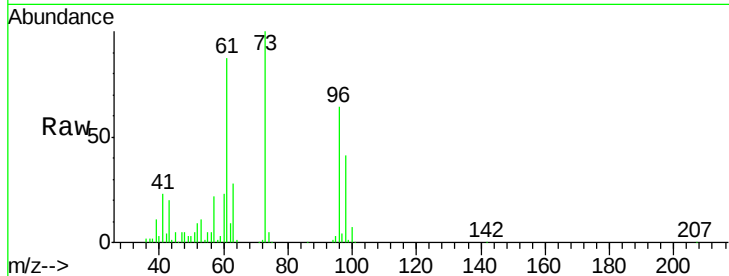
98 63.9 49.4 74.0

Manual Integrations

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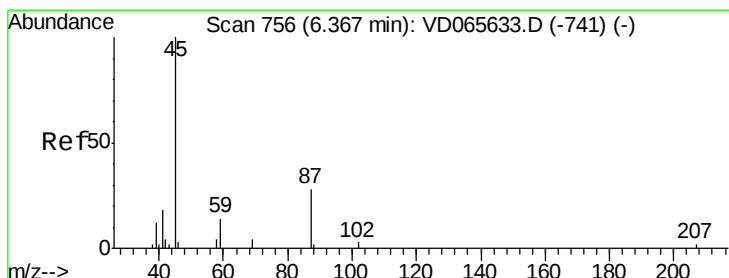
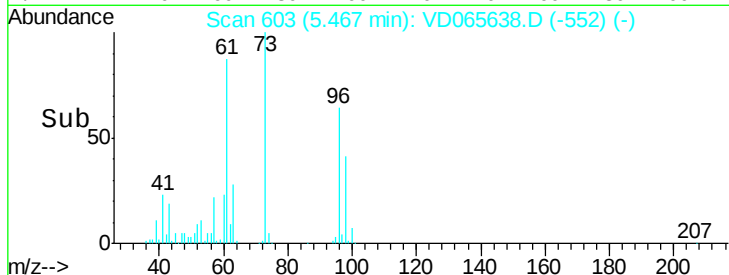
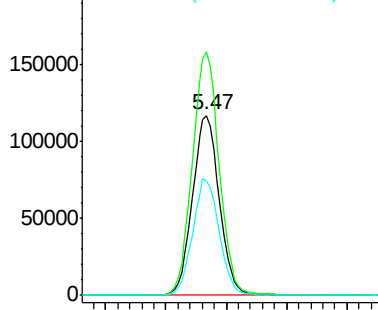


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 155.651 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion: 45 Resp: 1053109

Ion Ratio Lower Upper

45 100

43 52.0 42.2 63.2

87 26.9 22.1 33.1

59 11.5 9.8 14.6

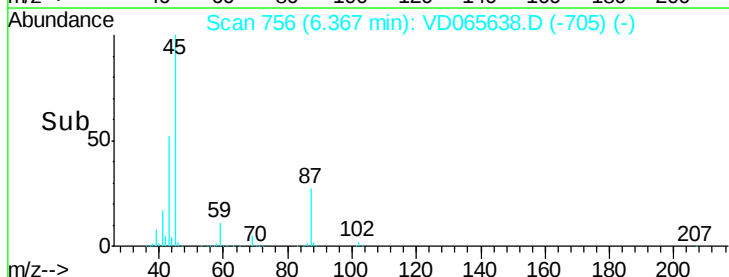
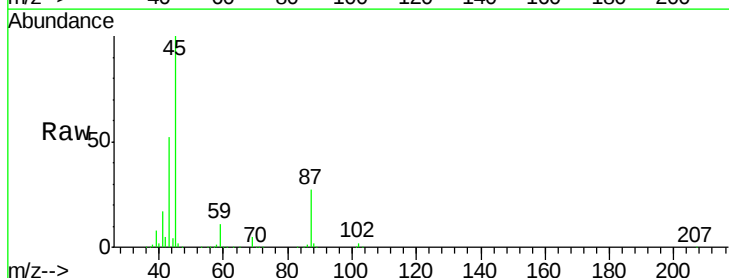
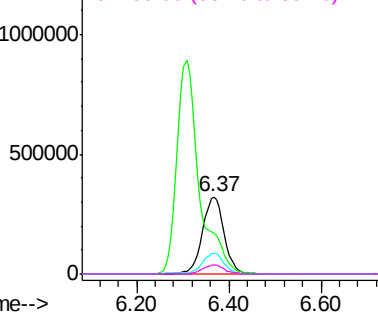
Abundance

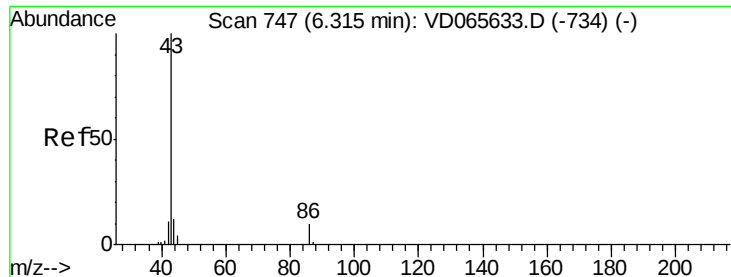
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 839.166 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 3028252

Ion Ratio Lower Upper

43 100

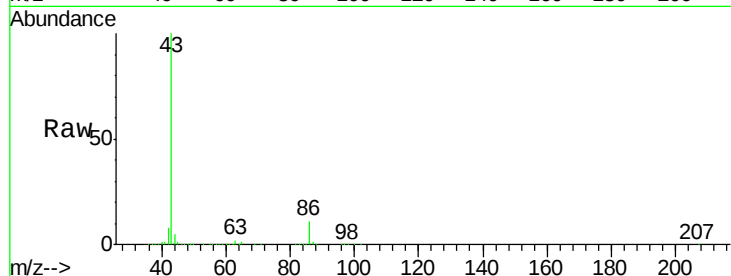
86 11.0 8.7 13.1

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

800000

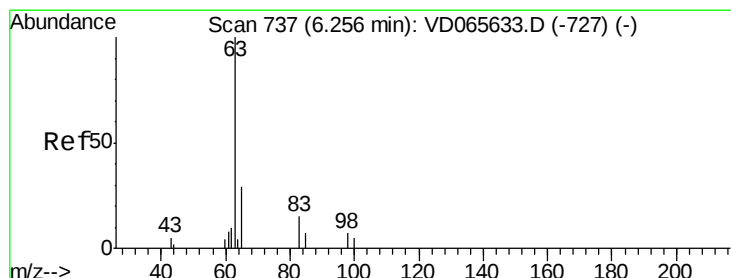
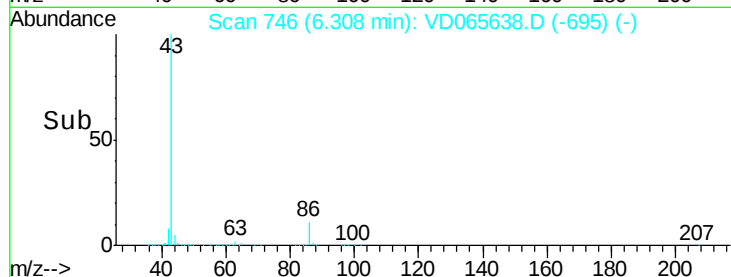
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 135.493 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

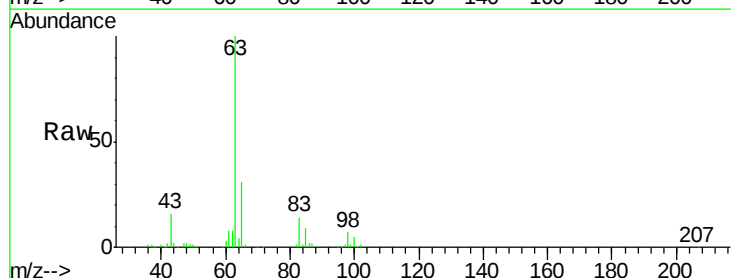
Tgt Ion: 63 Resp: 602793

Ion Ratio Lower Upper

63 100

98 7.4 3.6 10.8

100 4.8 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

250000

200000

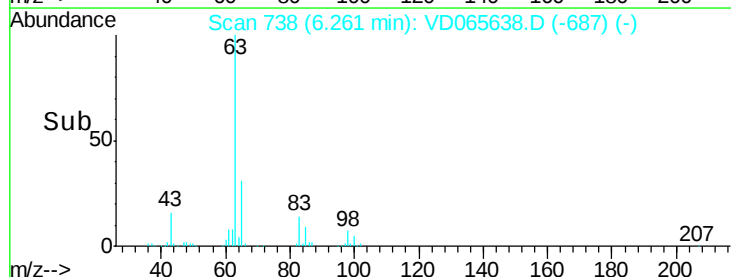
150000

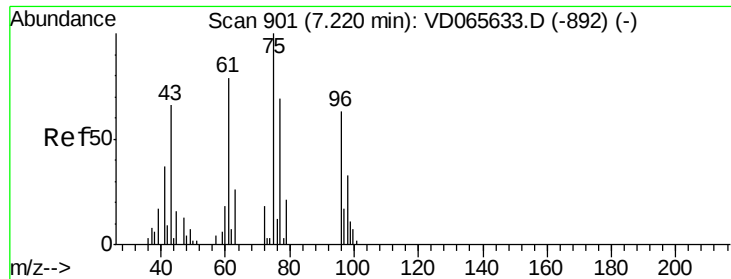
100000

50000

0

Time-->





#25

2-Butanone

Concen: 761.174 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 449199

Ion Ratio Lower Upper

43 100

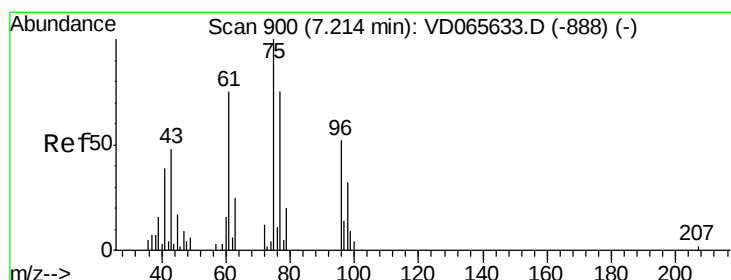
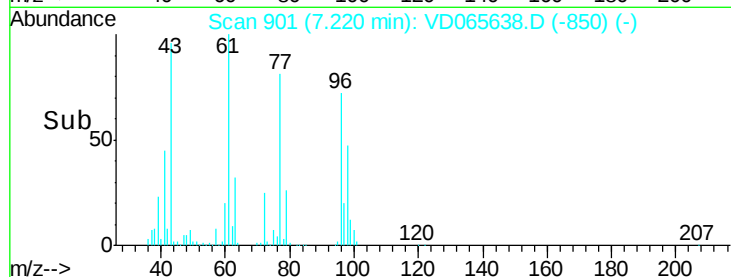
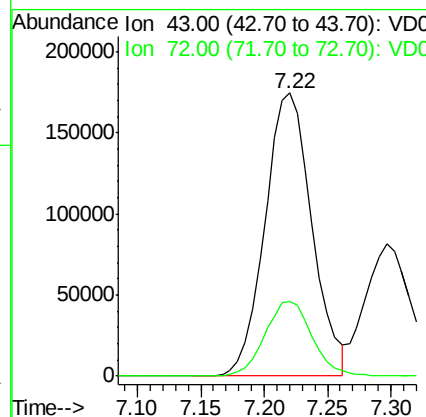
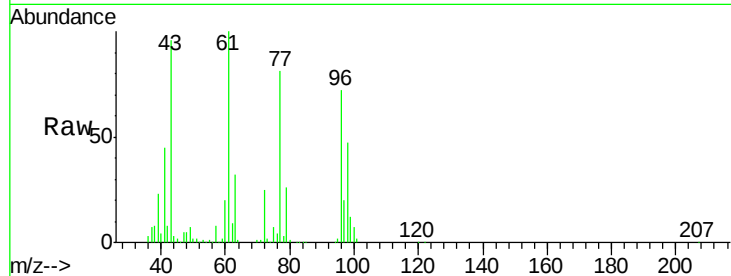
72 26.3 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 130.851 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065638.D

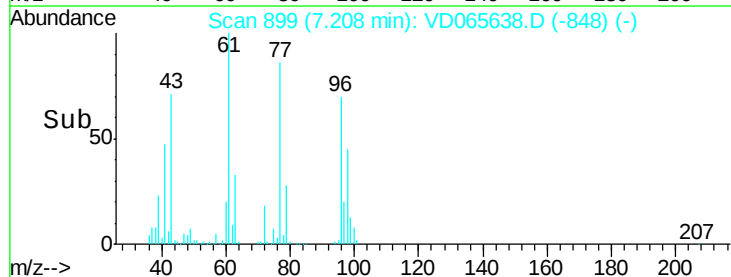
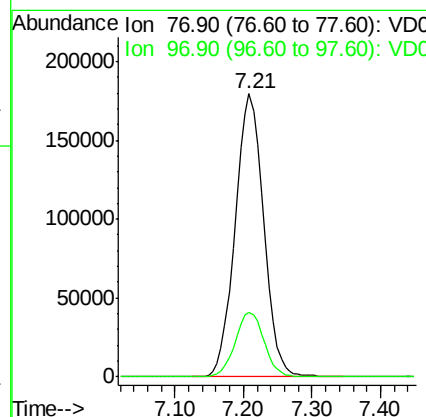
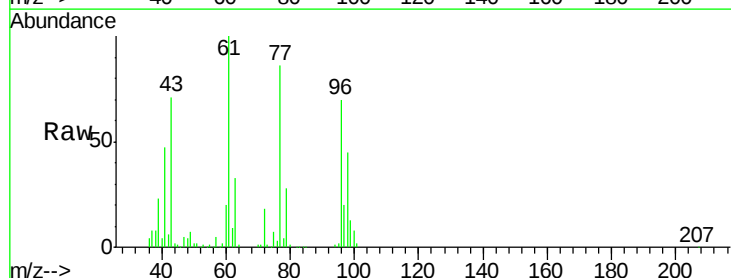
Acq: 15 Apr 2020 16:28

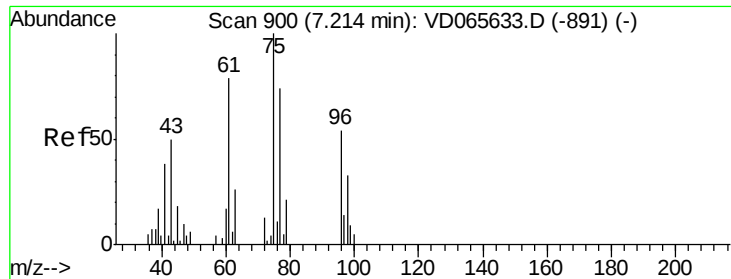
Tgt Ion: 77 Resp: 518521

Ion Ratio Lower Upper

77 100

97 23.2 11.5 34.5





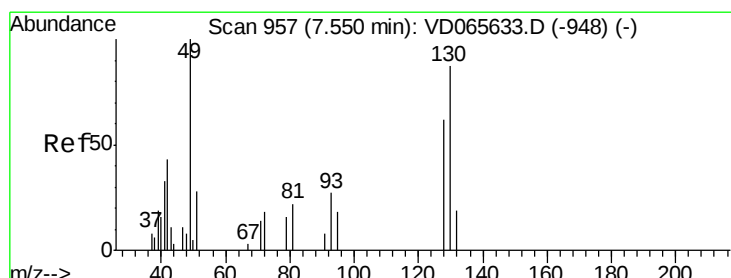
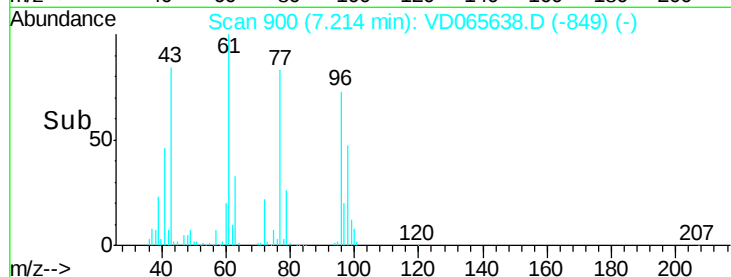
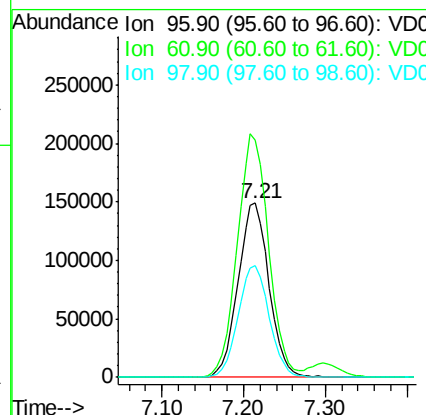
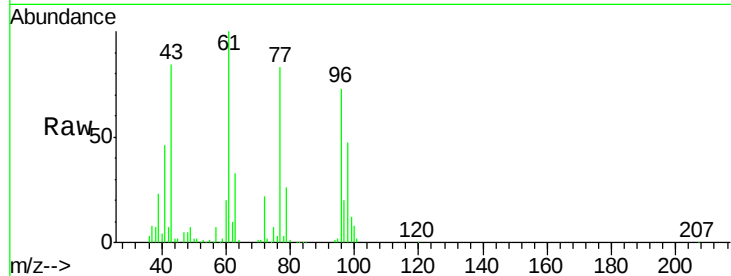
#27
 cis-1,2-Dichloroethene
 Concen: 144.594 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
96	100	392670		
61	140.6		0.0	286.2
98	64.8		0.0	128.0

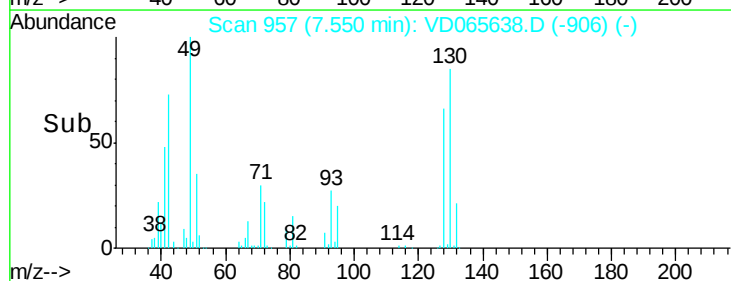
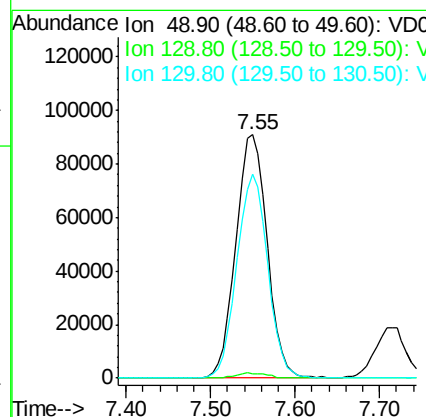
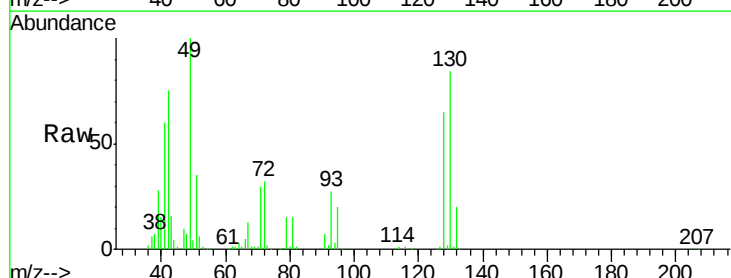
Manual Integrations
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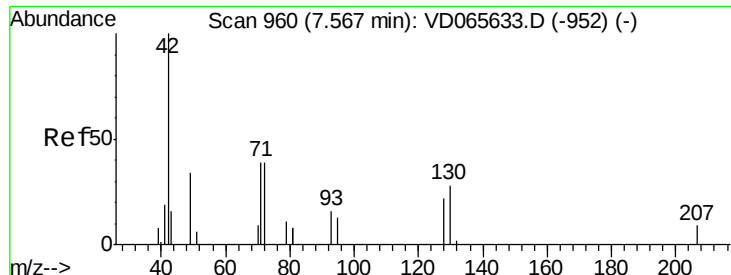
MMDadoda
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#28
 Bromochloromethane
 Concen: 129.324 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	233784		
129	2.1		0.0	4.2
130	82.6		66.2	99.2





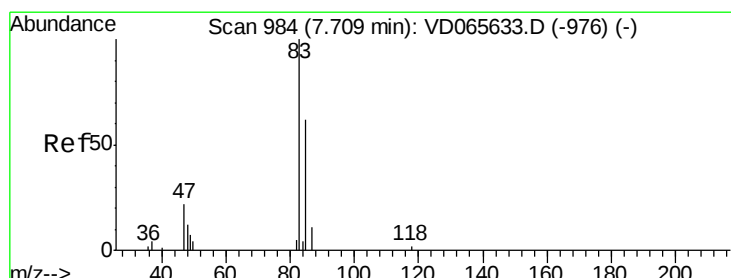
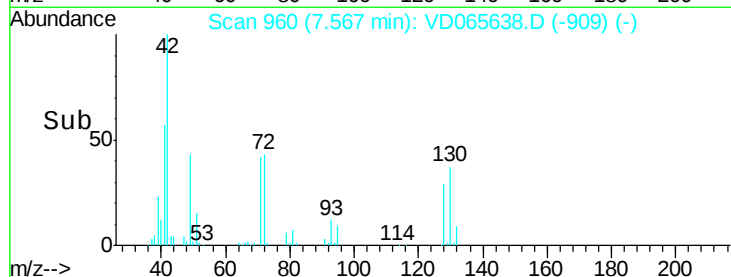
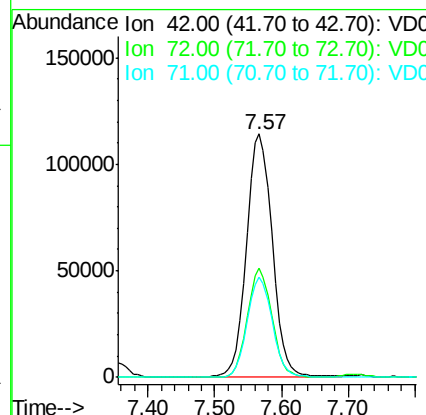
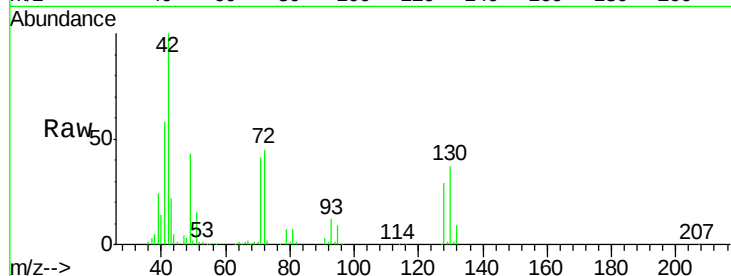
#29
Tetrahydrofuran
Concen: 815.234 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.4	34.4	51.6
71	39.8	31.4	47.0

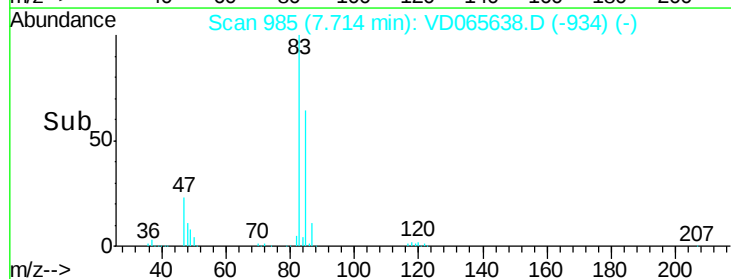
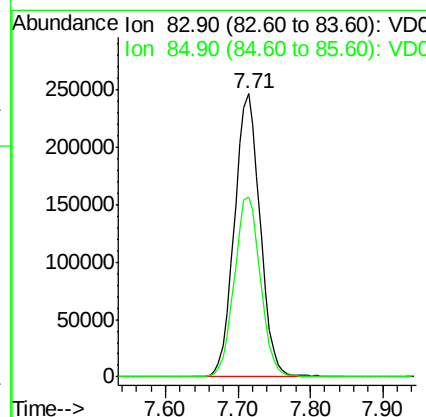
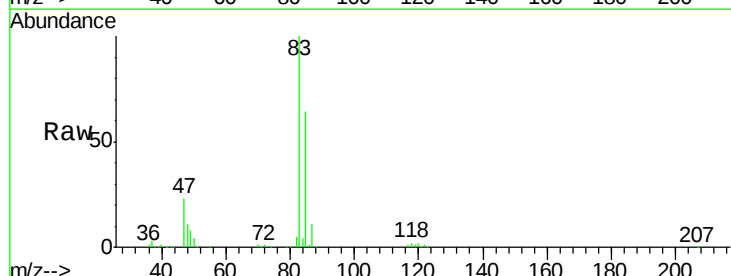
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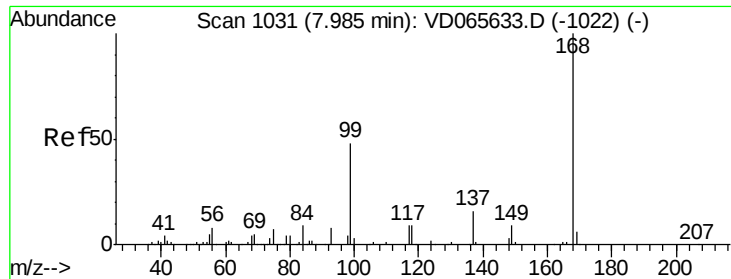
MMDadoda
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#30
Chloroform
Concen: 130.533 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.6	78.8





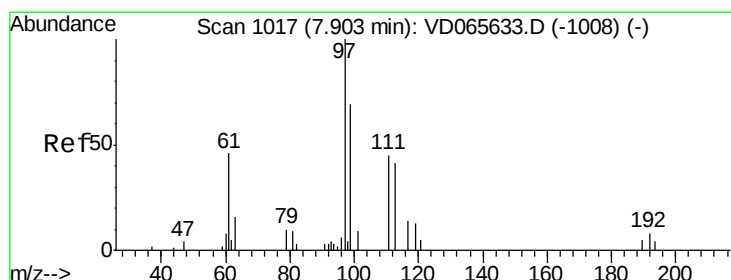
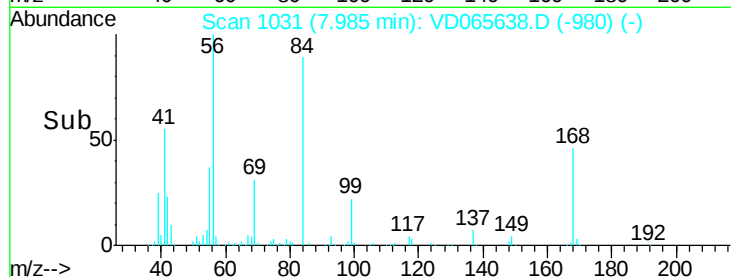
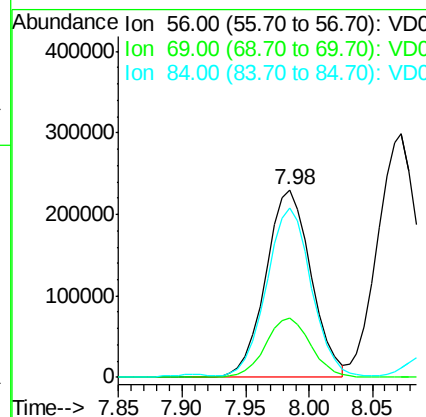
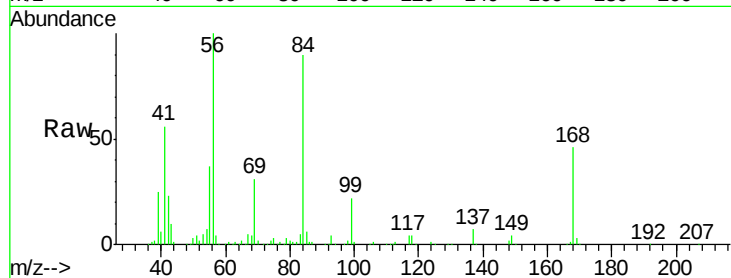
#31
Cvclohexane
Concen: 137.904 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
56	100		
69	31.4	26.6	40.0
84	88.9	75.3	112.9

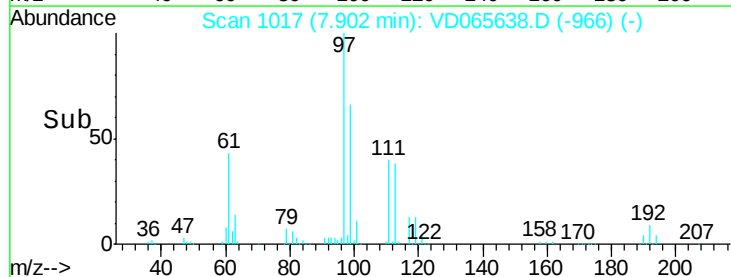
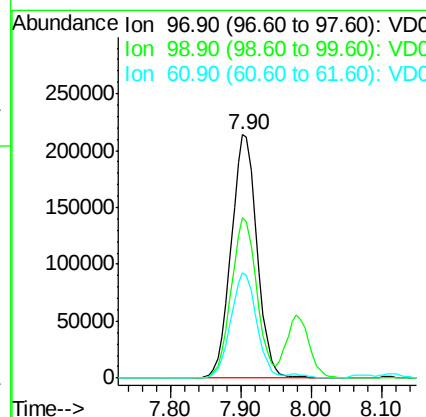
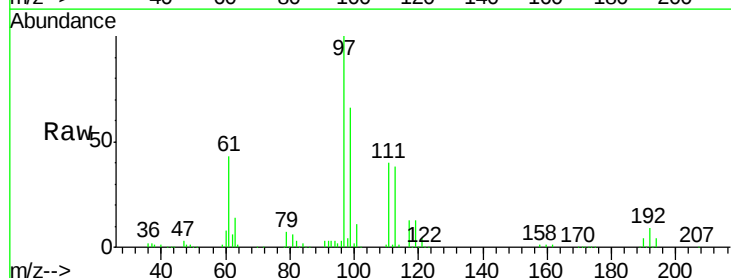
Manual Integrations
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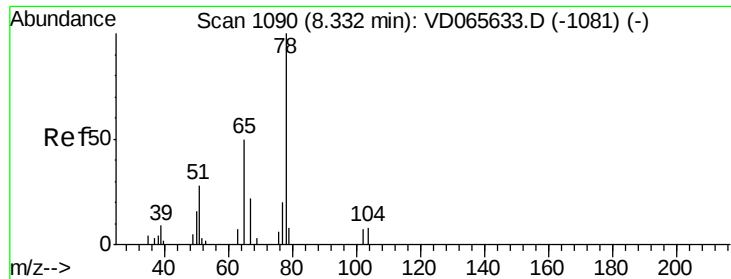
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 130.068 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.5	77.3
61	43.0	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 127.935 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 65 Resp: 298536

Ion Ratio Lower Upper

65 100

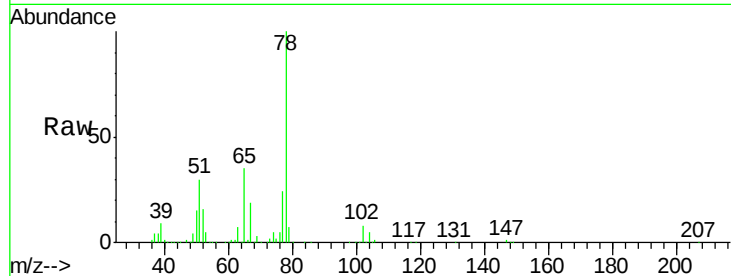
67 54.9 0.0 105.8

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

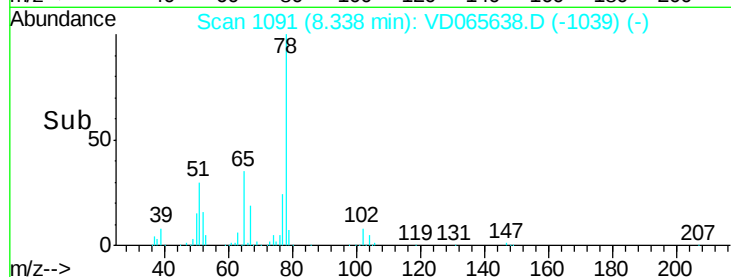
150000

100000

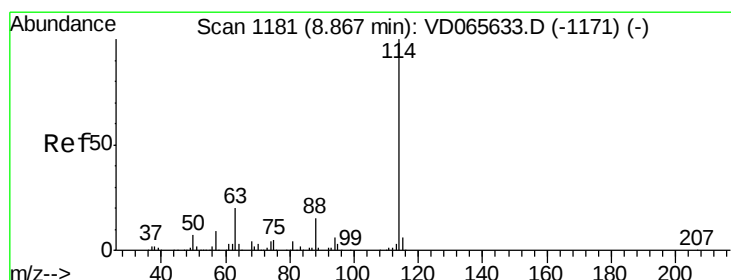
50000

0

8.25 8.30 8.35 8.40



Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

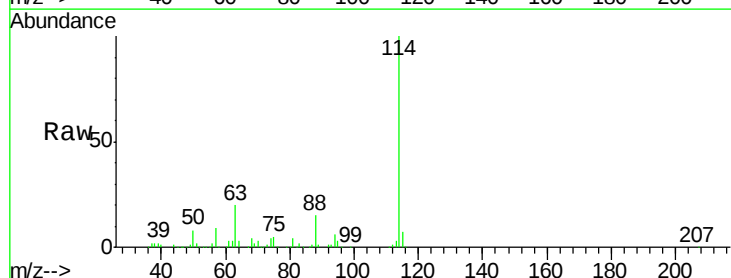
Tgt Ion: 114 Resp: 340343

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.6 0.0 31.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

200000

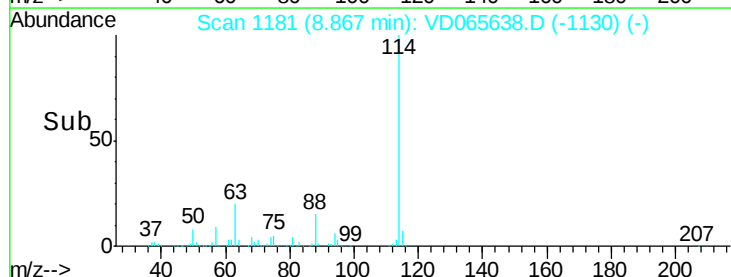
150000

100000

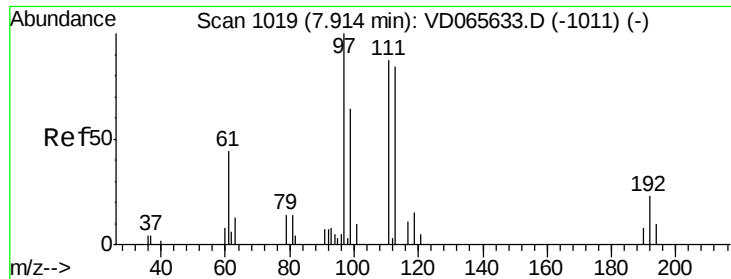
50000

0

8.80 8.90 9.00



Time-->



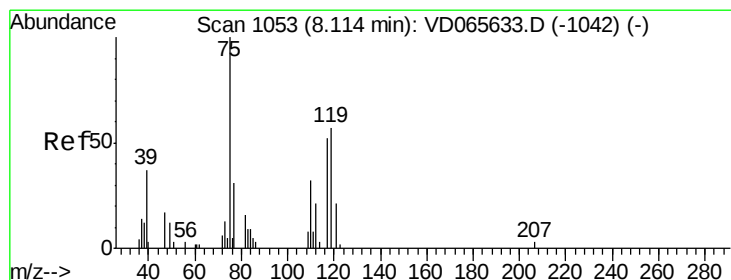
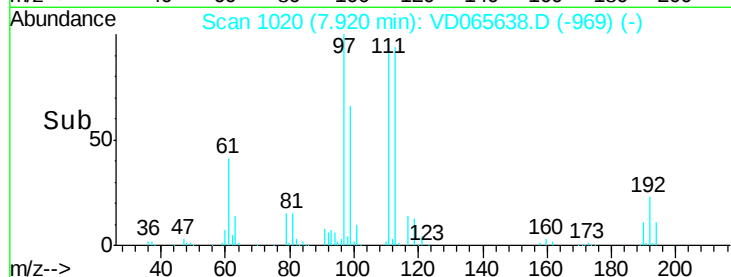
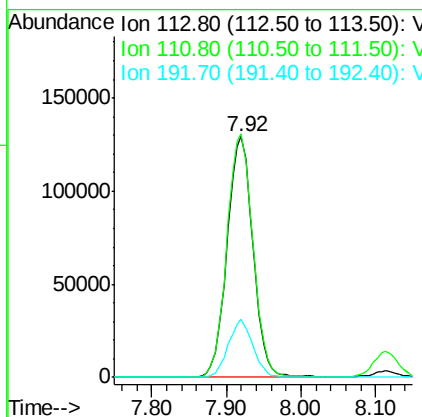
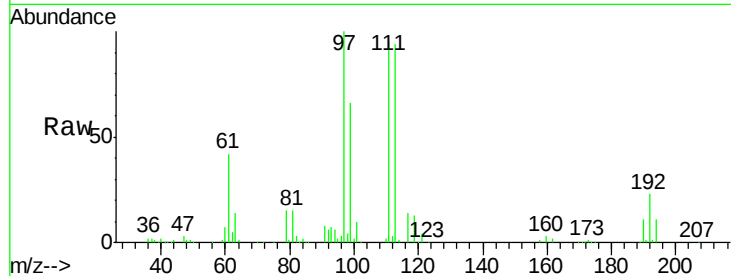
#35
 Dibromofluoromethane
 Concen: 133.718 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
113	100	312415		
111	101.6	81.9	122.9	
192	22.8	18.9	28.3	

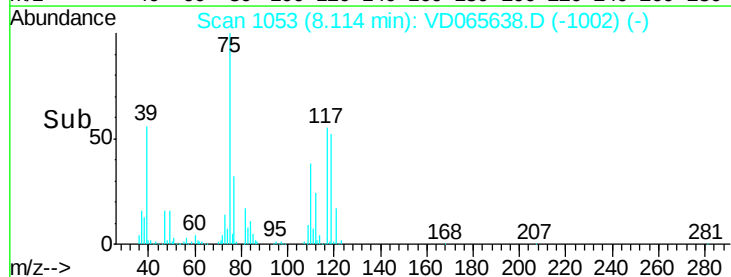
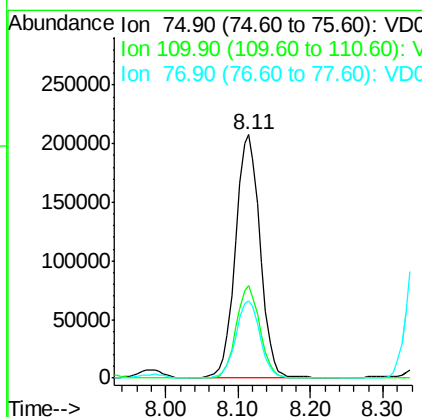
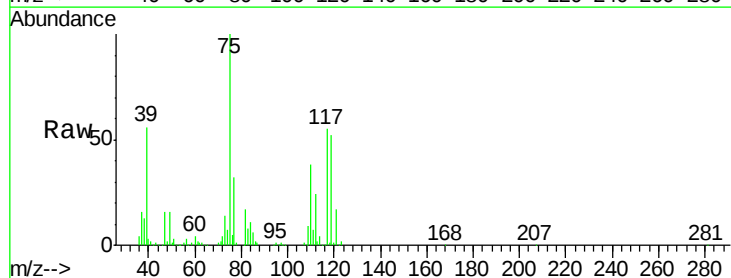
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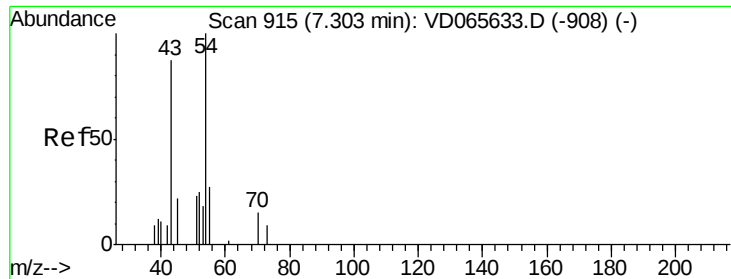
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 141.463 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	487878		
110	36.7	18.3	54.8	
77	31.7	24.6	37.0	





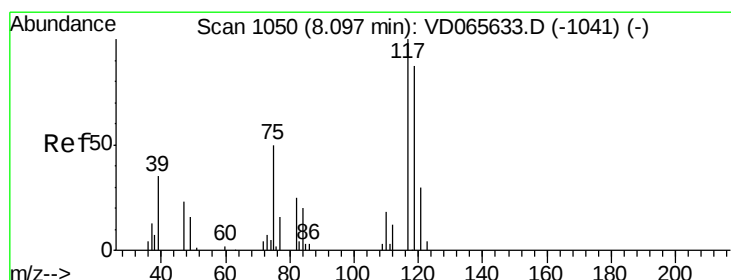
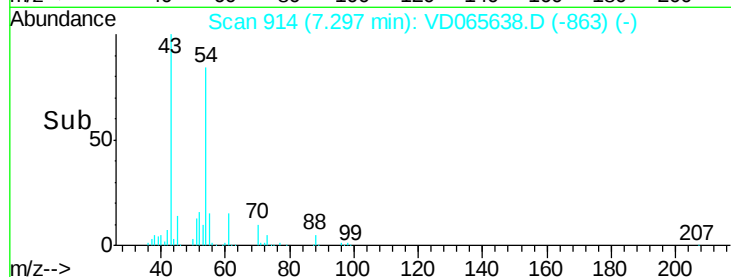
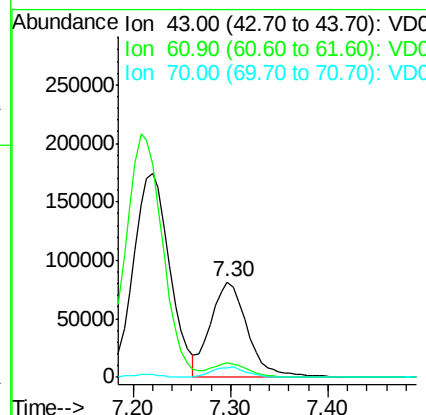
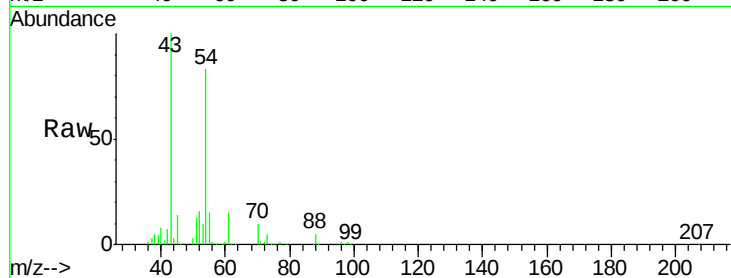
#37
Ethyl Acetate
Concen: 157.563 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.9	16.3
70	10.3	7.9	11.9

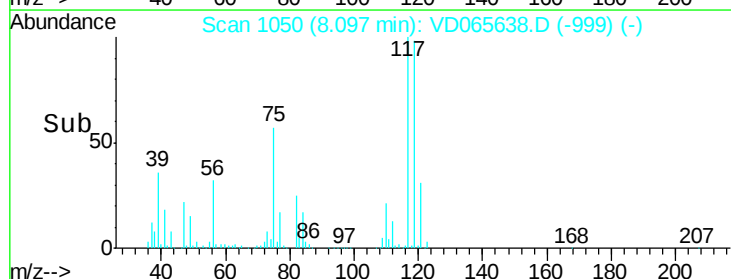
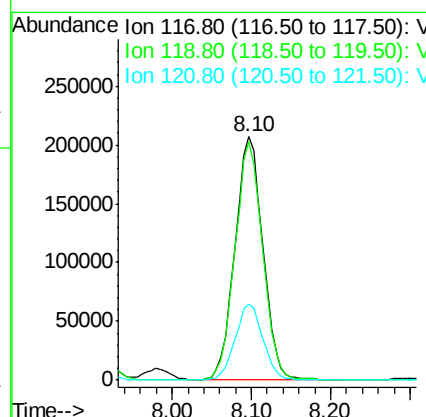
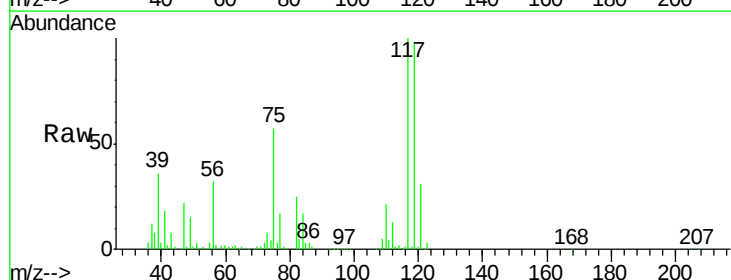
Manual Integrations
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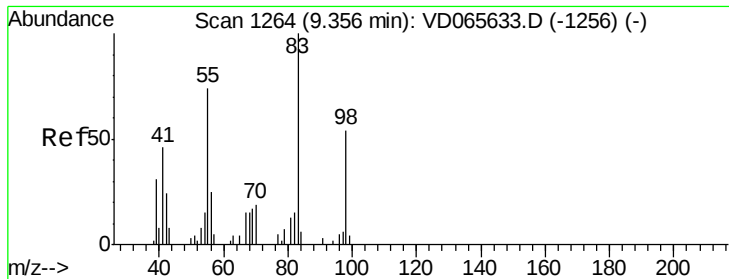
MMDadoda
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#38
Carbon Tetrachloride
Concen: 134.545 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.2	75.3	112.9
121	31.2	24.9	37.3





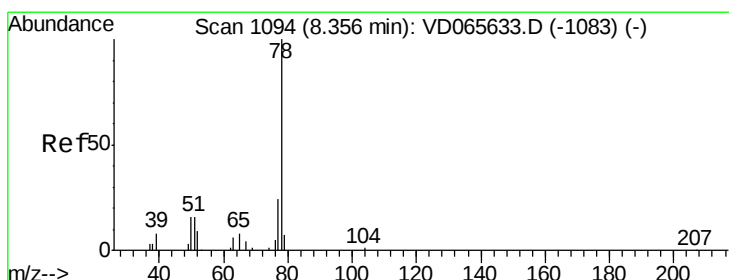
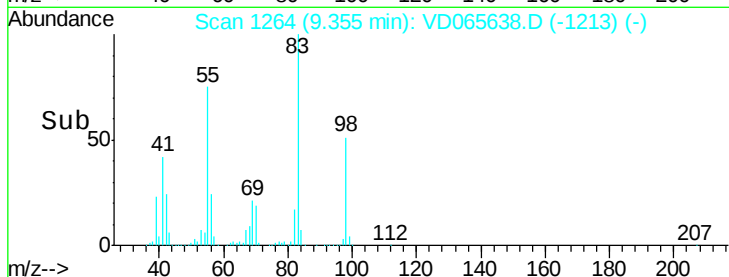
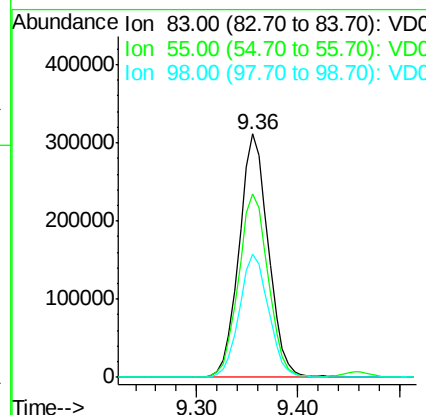
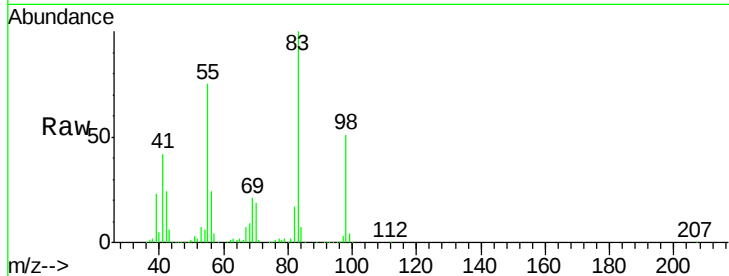
#39
Methvlcvclohexane
Concen: 159.086 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	62.3	93.5
98	50.7	40.5	60.7

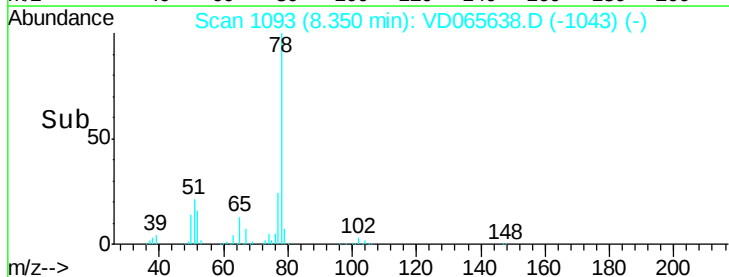
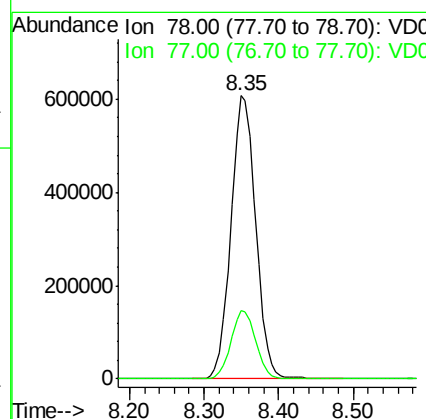
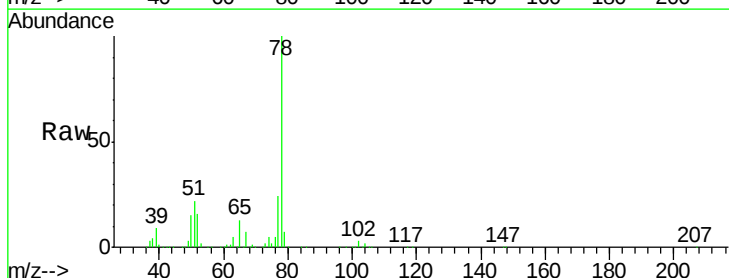
Manual Integrations
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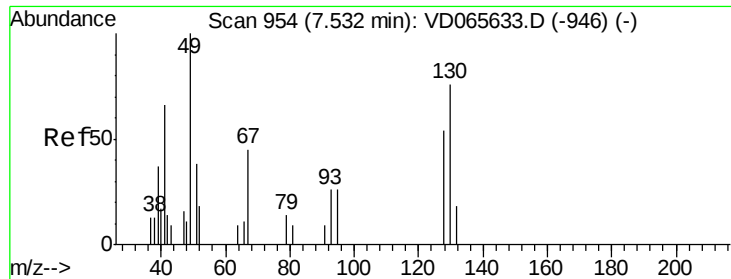
MMDadoda
4/16/2020 3:13:41 PM



#40
Benzene
Concen: 142.079 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.9	28.3





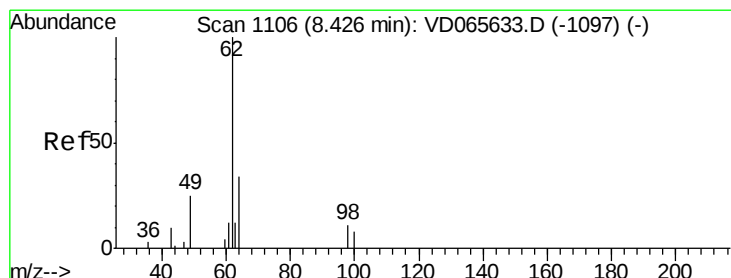
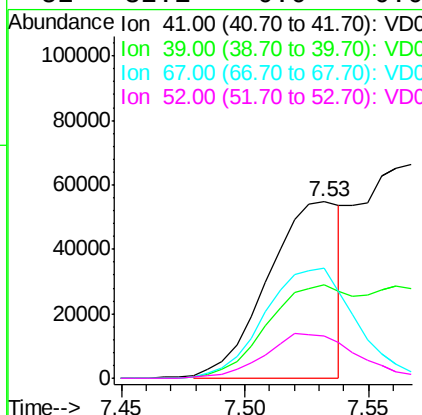
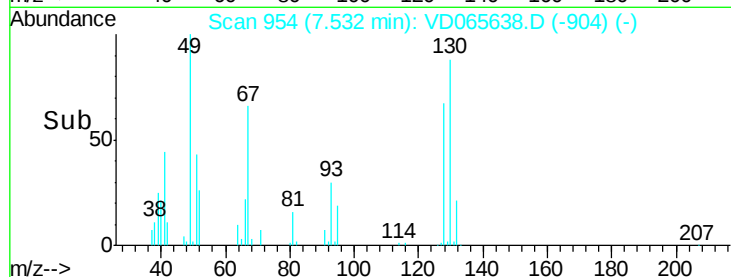
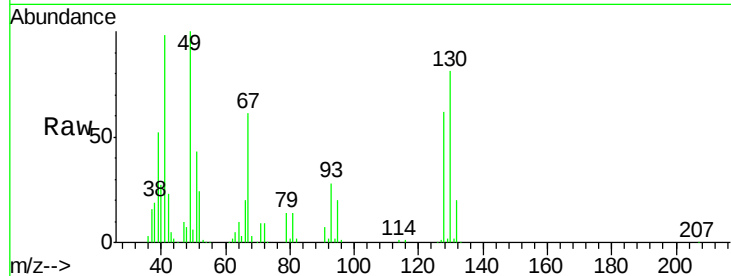
#41
Methacrylonitrile
Concen: 148.765 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	41	Resp	112614
Ion	Ratio	Lower	Upper
41	100		
39	60.8	0.0	0.0#
67	78.6	0.0	0.0#
52	32.1	0.0	0.0#

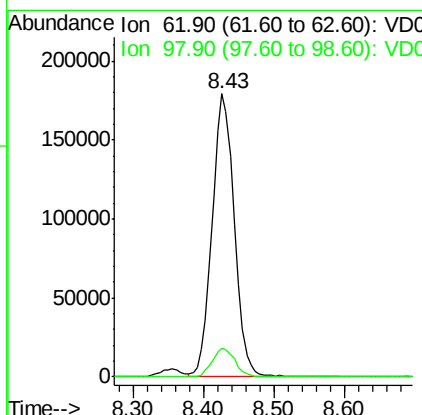
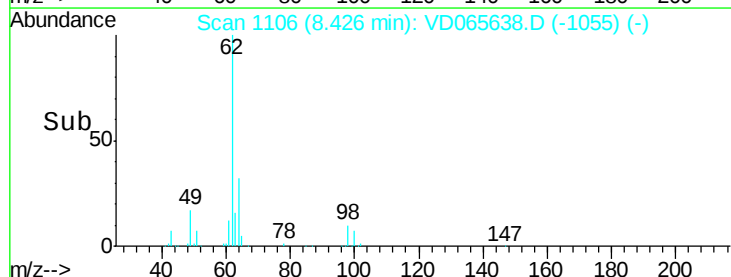
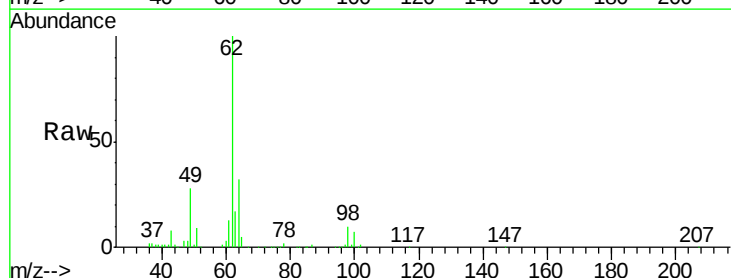
Manual Integrations
APPROVED

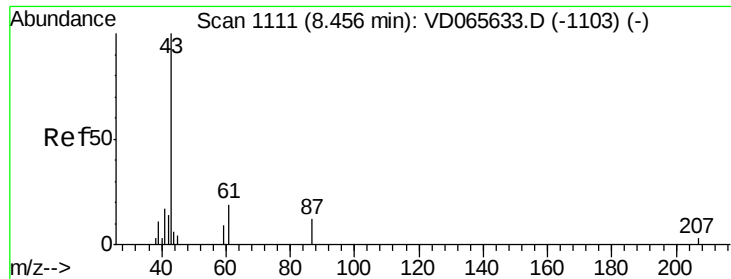
MMDadoda
4/16/2020 3:13:41 PM



#42
1,2-Dichloroethane
Concen: 140.116 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	62	Resp	391654
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 164.386 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

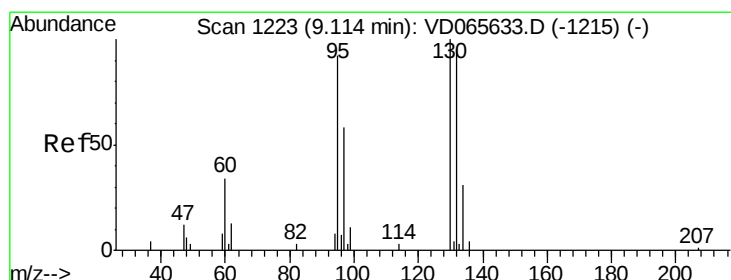
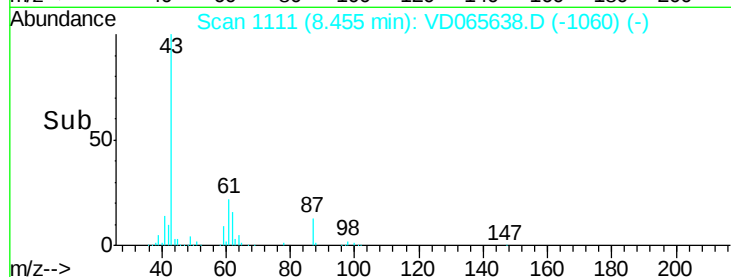
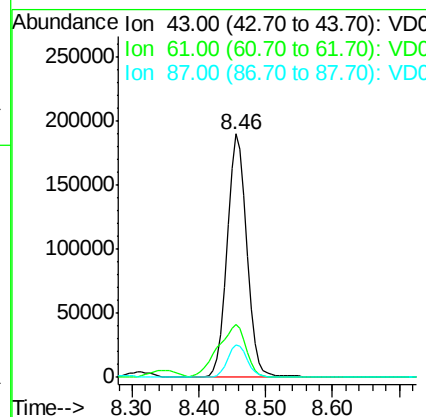
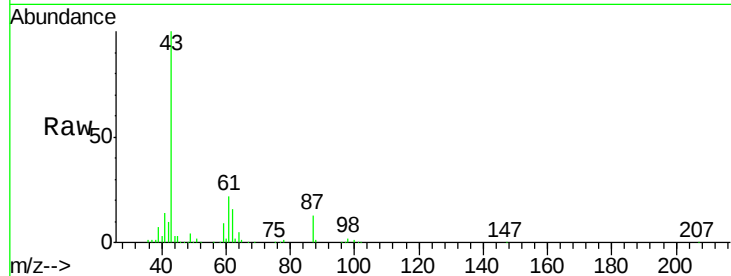
ClientSampleId :

VSTDIC150

Tot Ion:	43	Resp:	395543
Ion	Ratio	Lower	Upper
43	100		
61	30.7	25.0	37.6
87	13.3	9.9	14.9

Manual Integrations
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MMDadoda
4/16/2020 3:13:41 PM



#44

Trichloroethene

Concen: 139.186 ug/l

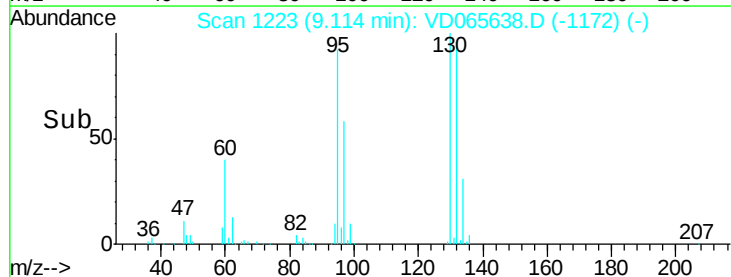
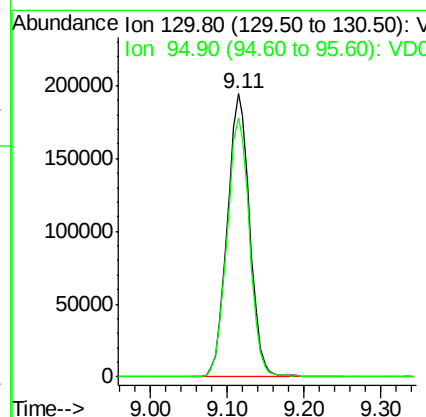
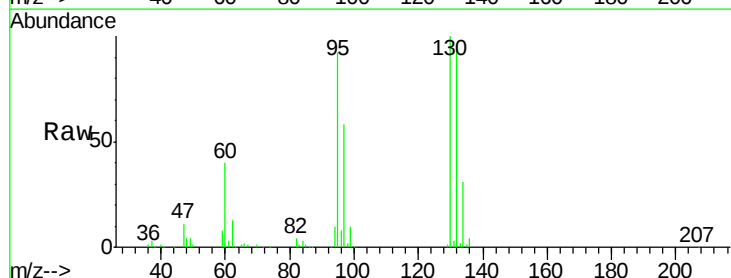
RT: 9.11 min Scan# 1223

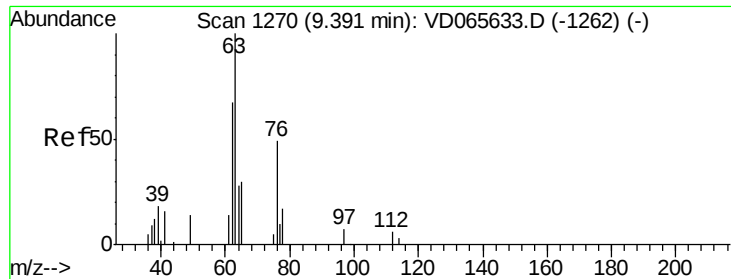
Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion:	130	Resp:	393000
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	178.4





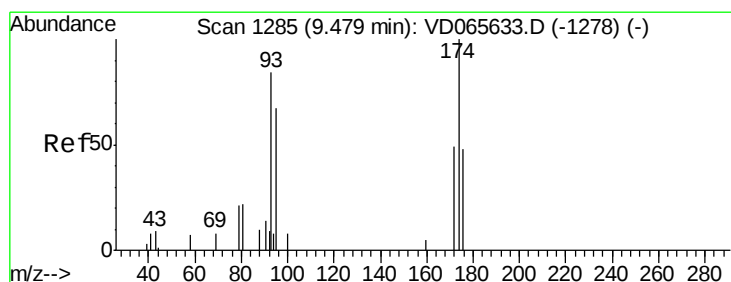
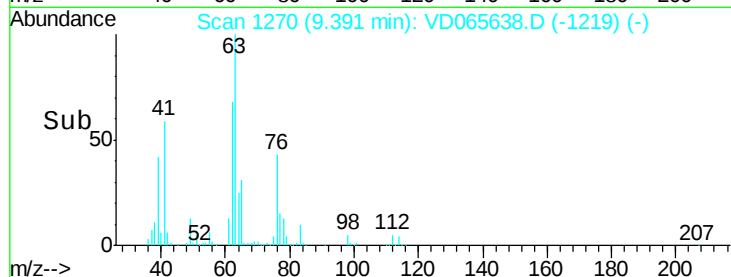
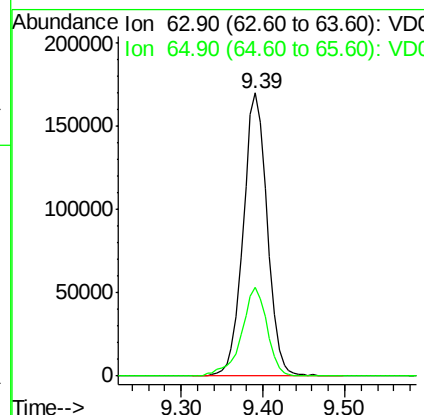
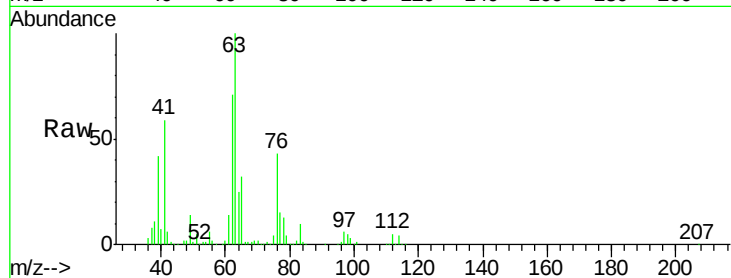
#45
 1,2-Dichloropropane
 Concen: 143.640 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.5	24.7	37.1

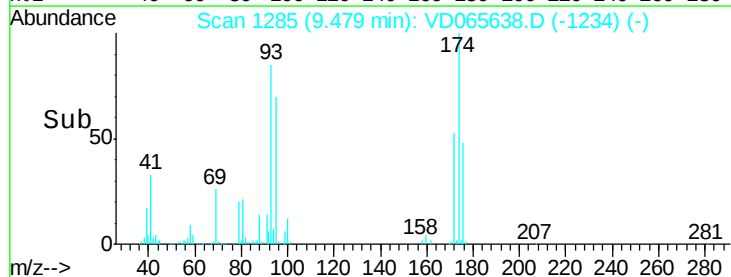
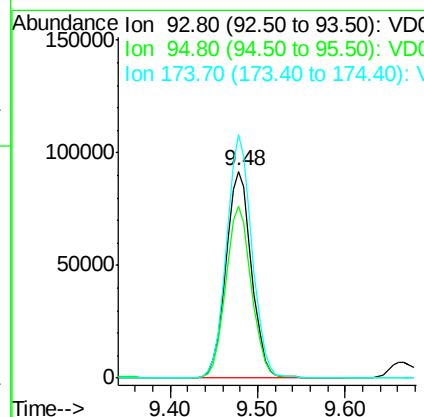
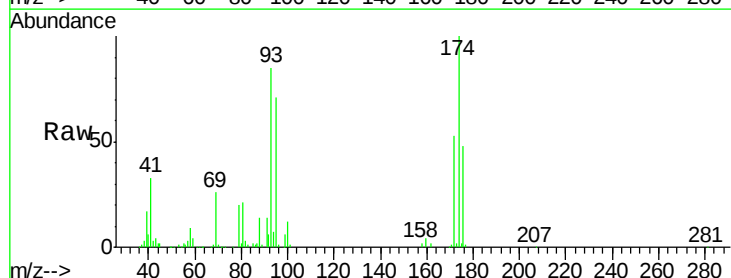
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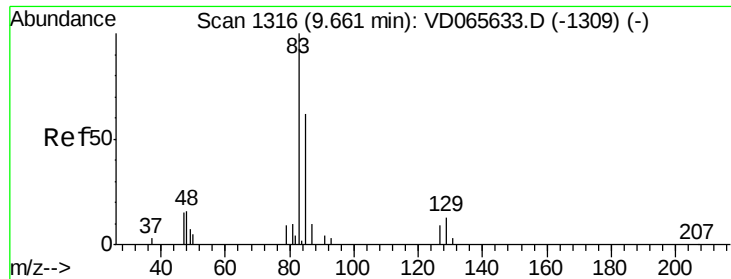
MMDadoda
 4/16/2020 3:13:41 PM



#46
 Dibromomethane
 Concen: 141.786 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.1	67.4	101.2
174	116.5	94.1	141.1





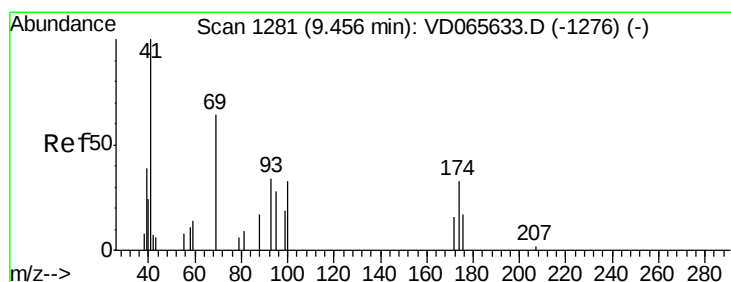
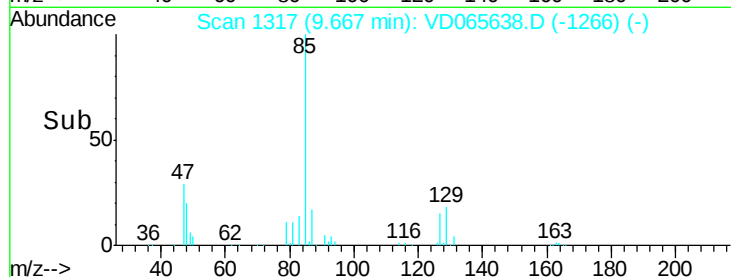
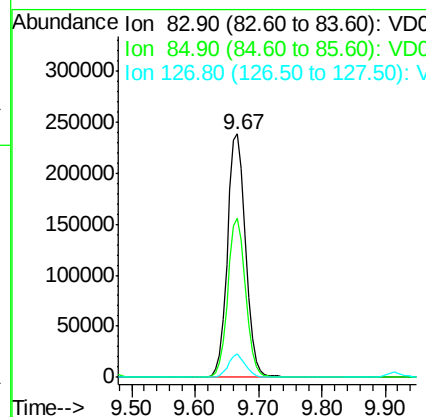
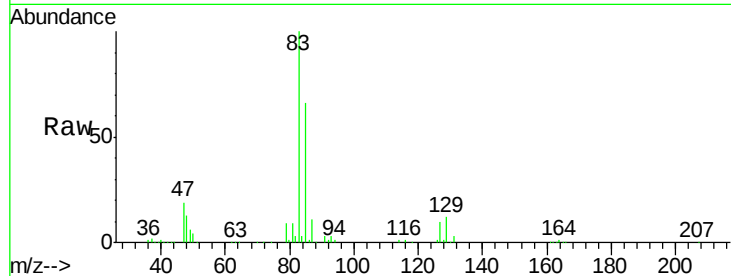
#47
Bromodichloromethane
Concen: 139.799 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
83	100	476891		
85	65.5	49.8	74.8	
127	9.6	6.6	9.8	

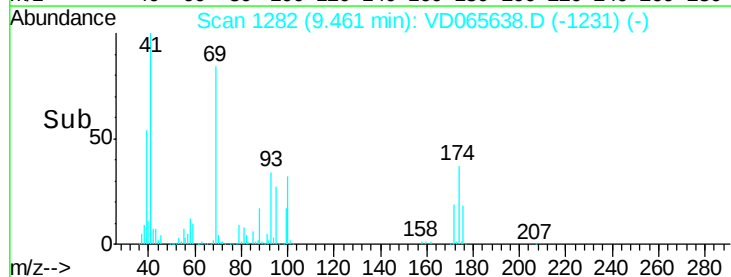
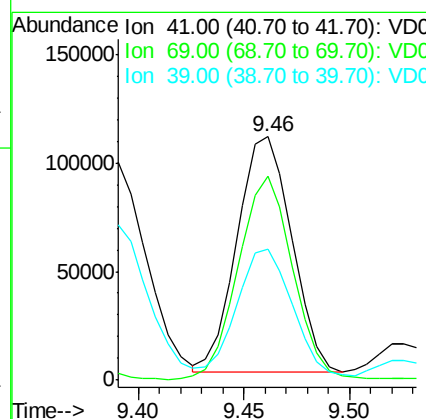
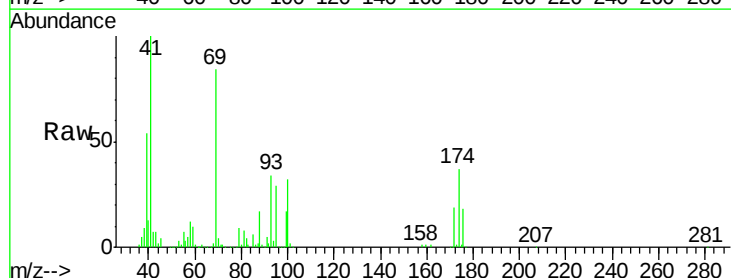
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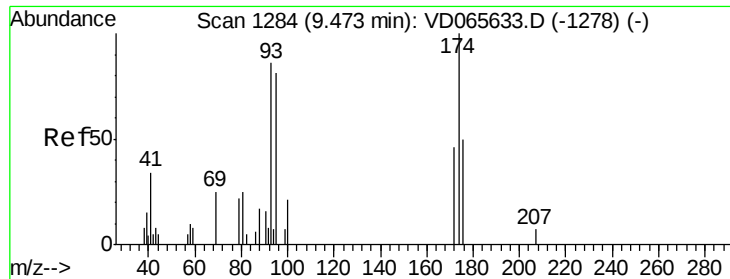
MMDadoda
4/16/2020 3:13:41 PM



#48
Methyl methacrylate
Concen: 170.207 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	195303		
69	87.5	66.8	100.2	
39	53.5	39.6	59.4	





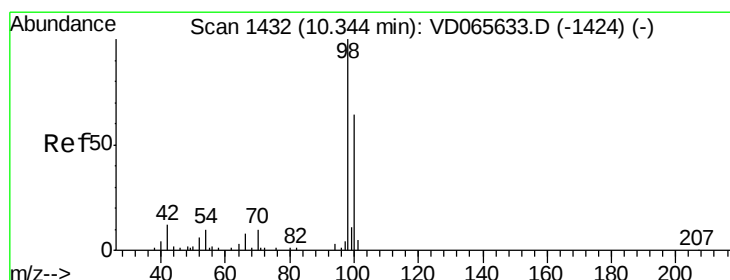
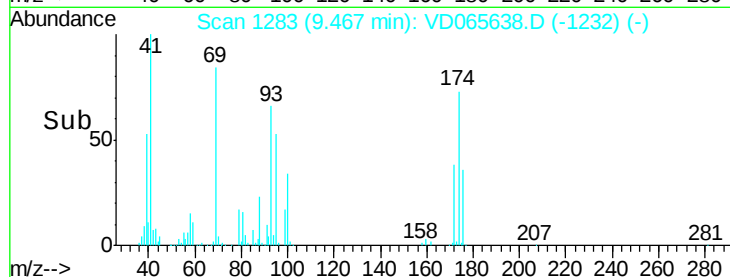
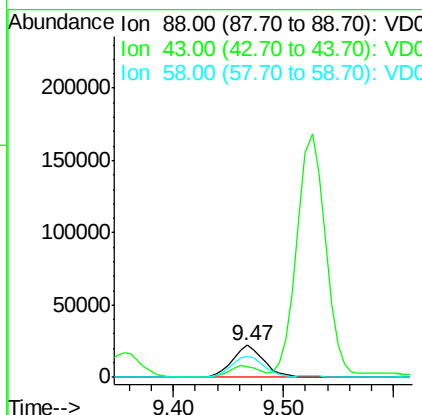
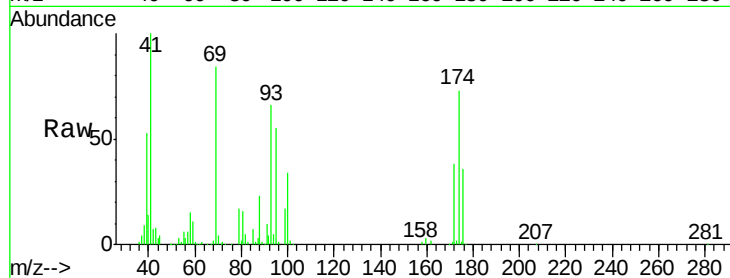
#49
1,4-Dioxane
Concen: 3156.671 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	88	Resp	44878
Ion	Ratio	Lower	Upper
88	100		
43	34.1	28.1	42.1
58	69.3	55.7	83.5

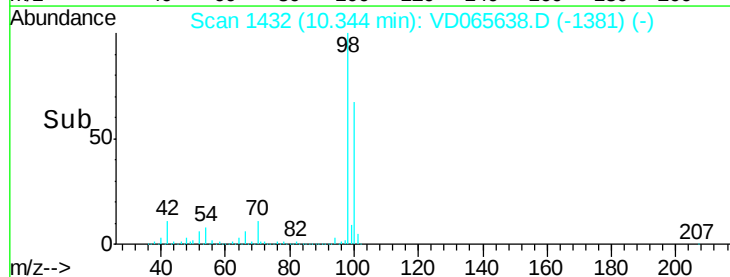
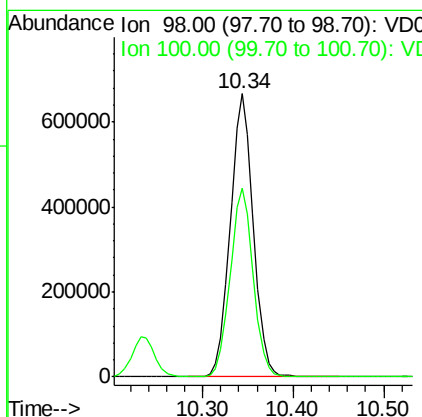
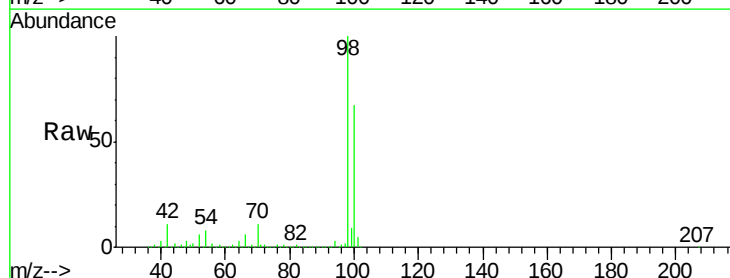
Manual Integrations
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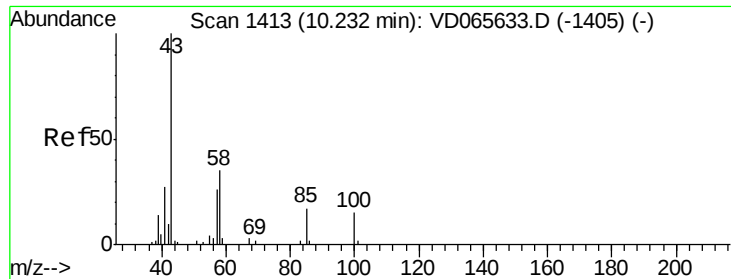
MMDadoda
4/16/2020 3:13:41 PM



#50
Toluene-d8
Concen: 138.341 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	98	Resp	1176537
Ion	Ratio	Lower	Upper
98	100		
100	67.1	52.4	78.6





#51

4-Methyl-2-Pentanone

Concen: 819.445 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion: 43 Resp: 1024072

Ion Ratio Lower Upper

43 100

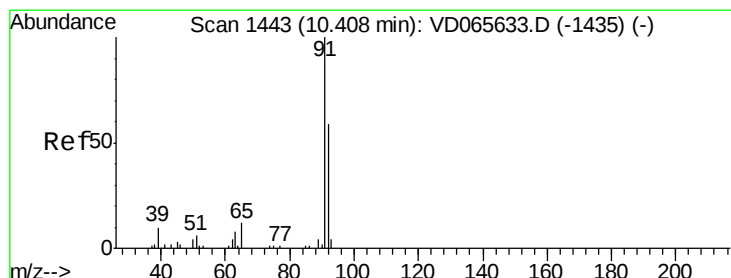
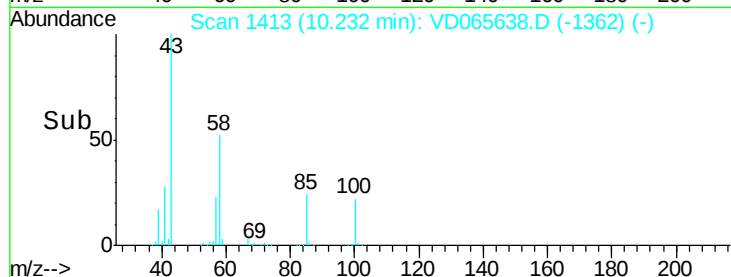
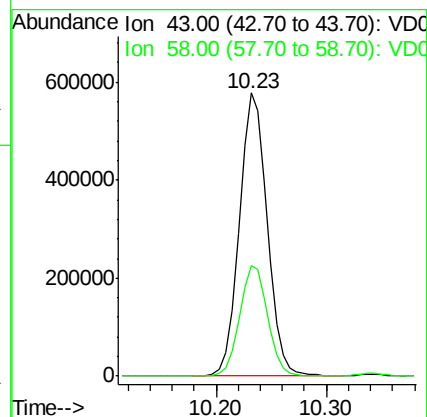
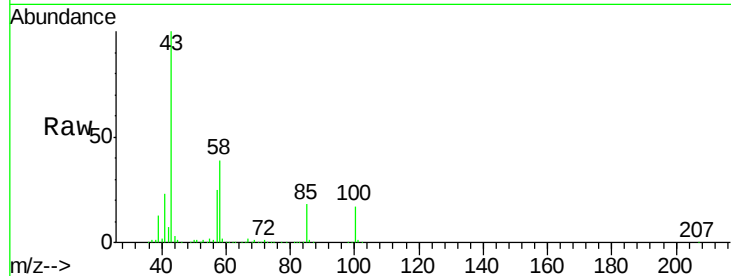
58 39.4 31.1 46.7

Manual Integrations

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4/16/2020 3:13:41 PM



#52

Toluene

Concen: 146.474 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065638.D

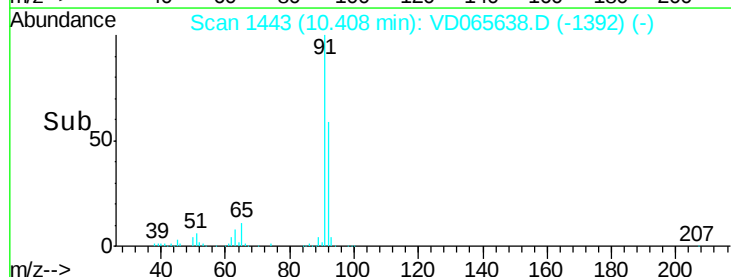
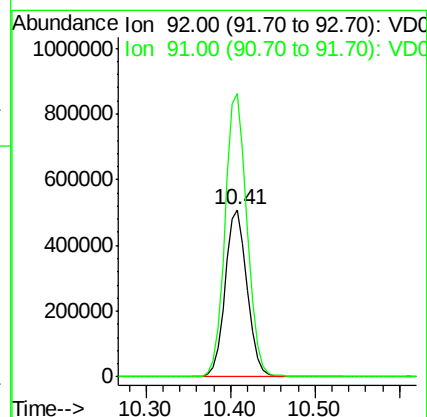
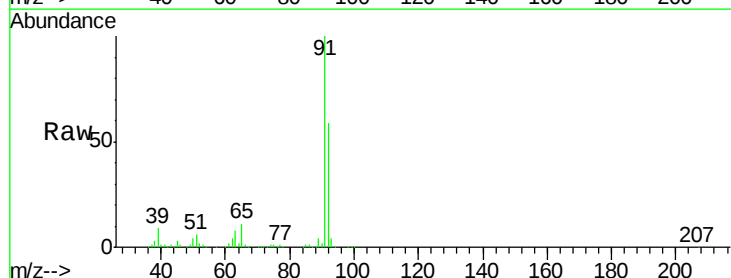
Acq: 15 Apr 2020 16:28

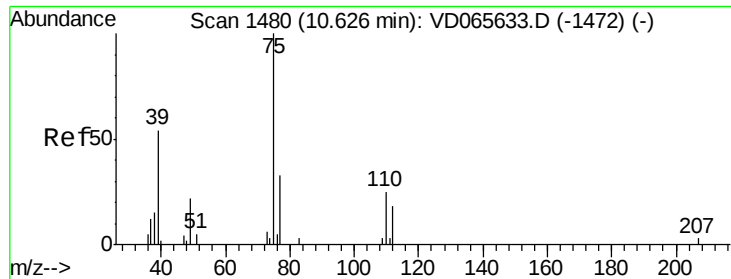
Tgt Ion: 92 Resp: 912486

Ion Ratio Lower Upper

92 100

91 170.2 136.6 205.0





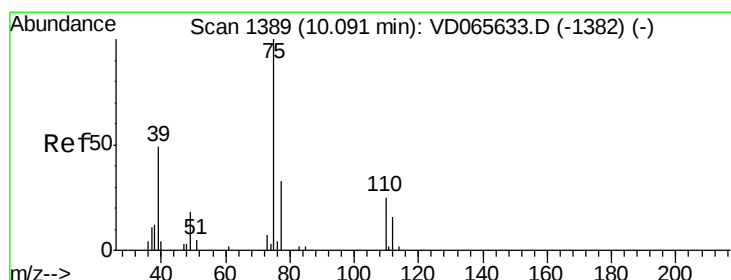
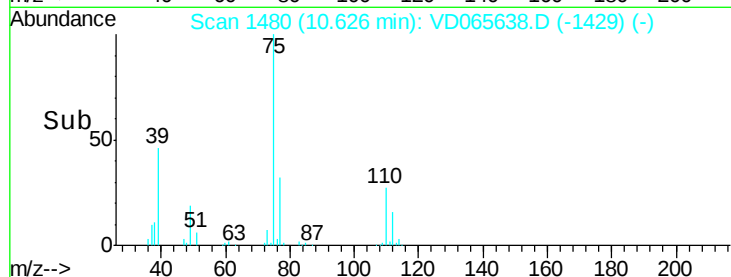
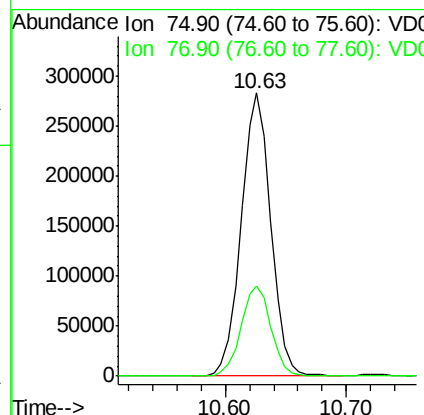
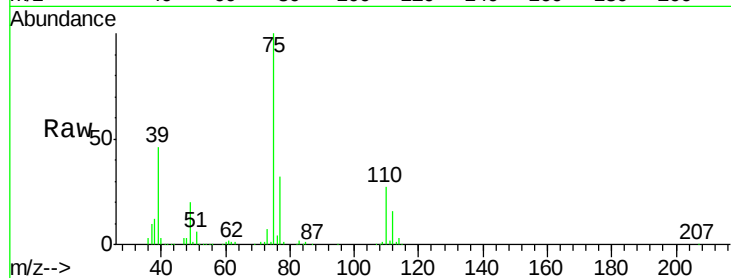
#53
 t-1,3-Dichloropropene
 Concen: 157.809 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.8	37.2

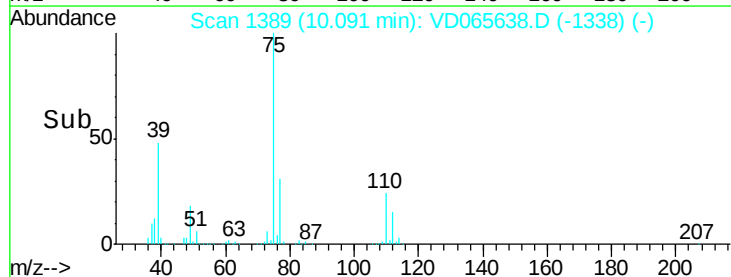
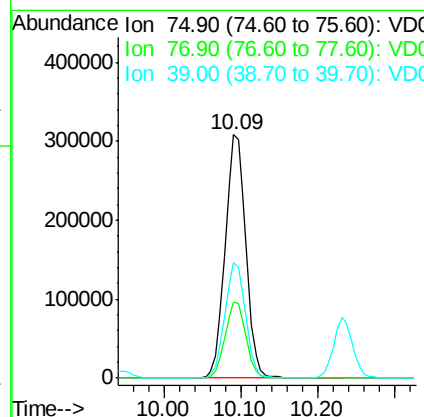
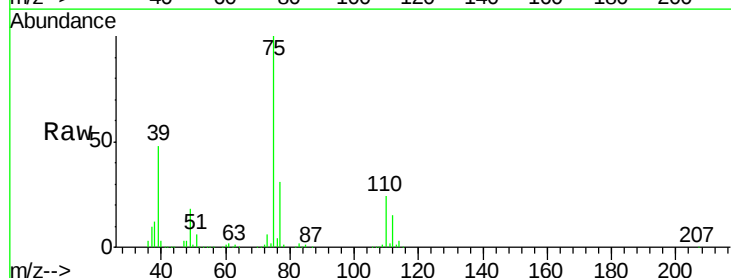
Manual Integrations
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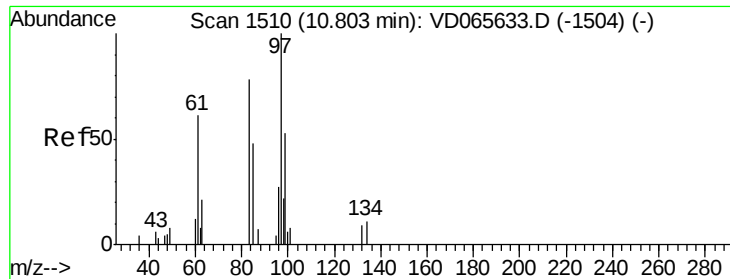
MMDadoda
 4/16/2020 3:13:41 PM



#54
 cis-1,3-Dichloropropene
 Concen: 154.346 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8
39	47.6	38.7	58.1





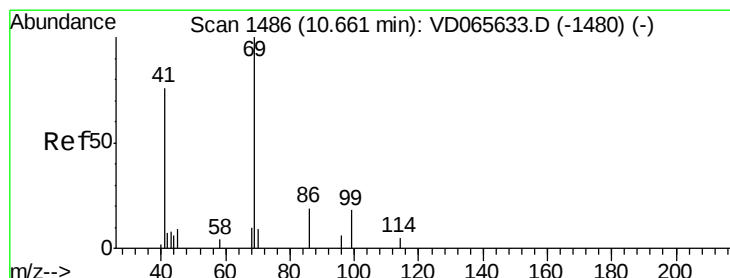
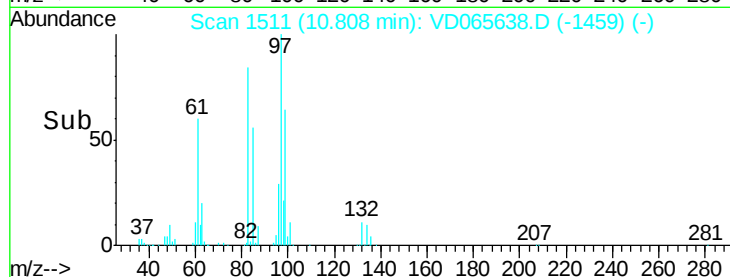
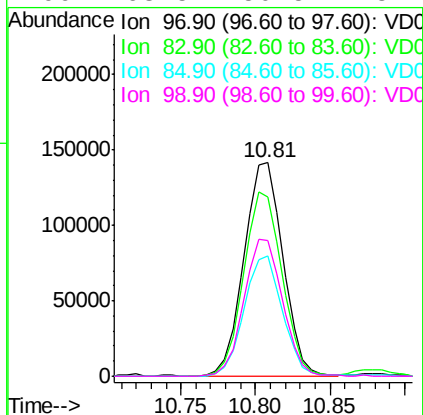
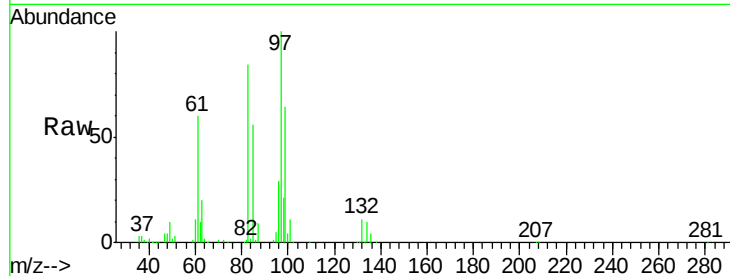
#55
 1,1,2-Trichloroethane
 Concen: 138.850 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		256383		
83	84.1	67.4	101.0		
85	56.2	43.4	65.0		
99	63.5	50.5	75.7		

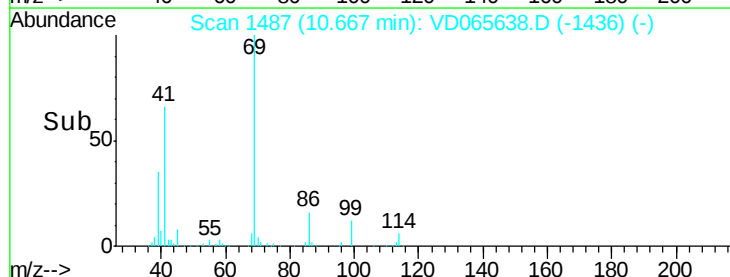
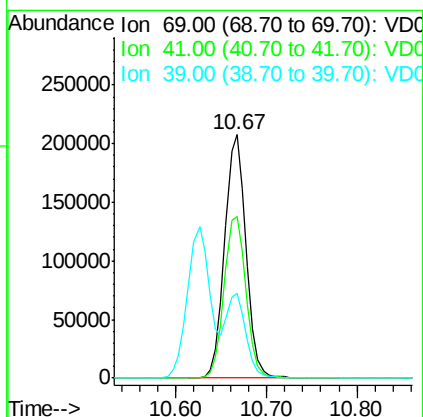
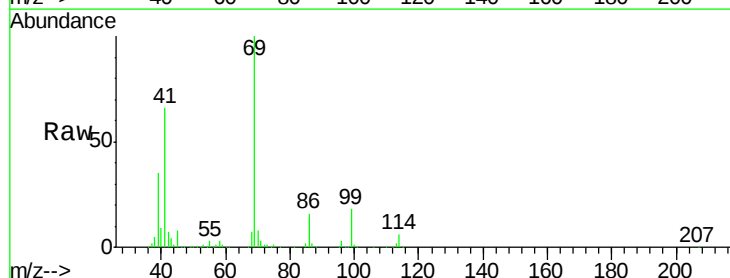
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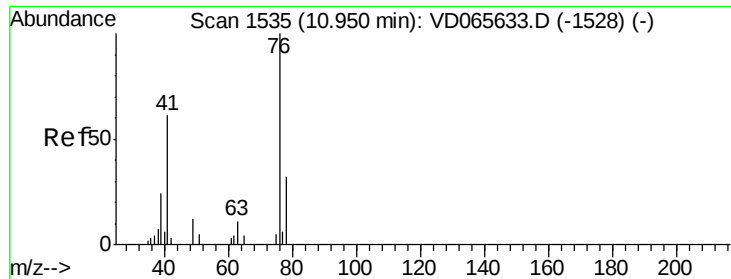
MMDadoda
 4/16/2020 3:13:41 PM



#56
 Ethyl methacrylate
 Concen: 181.449 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		339294		
41	68.7	56.2	84.4		
39	31.9	26.6	39.8		





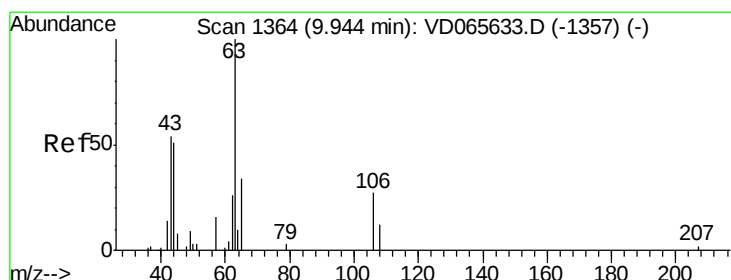
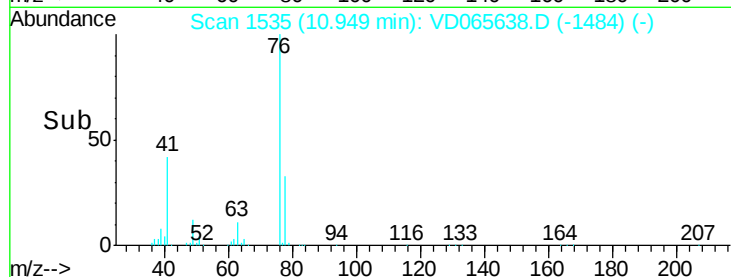
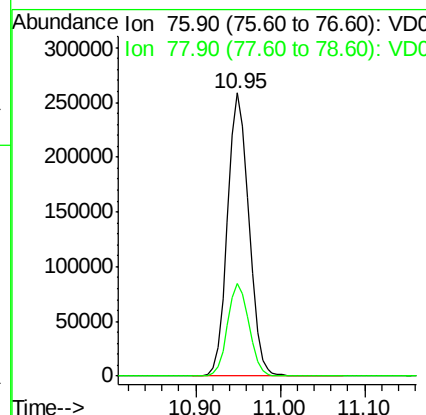
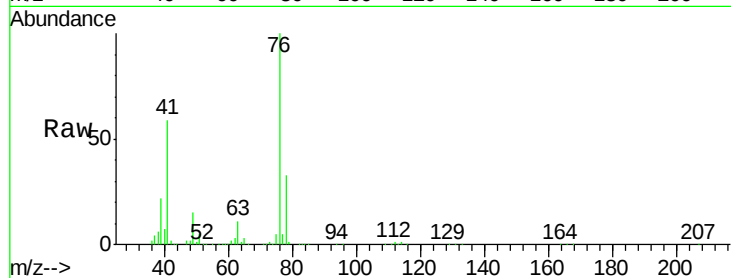
#57
 1,3-Dichloropropane
 Concen: 147.901 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 76 Resp: 452205
 Ion Ratio Lower Upper
 76 100
 78 32.8 26.1 39.1

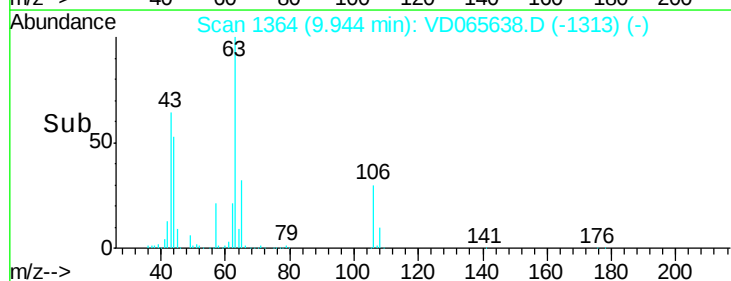
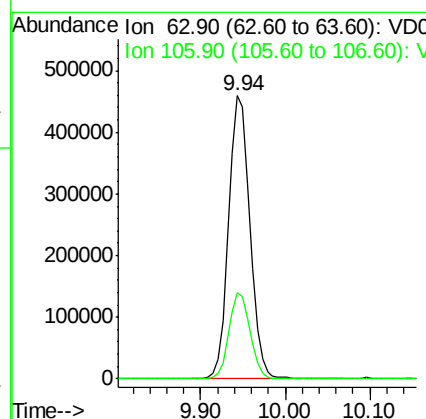
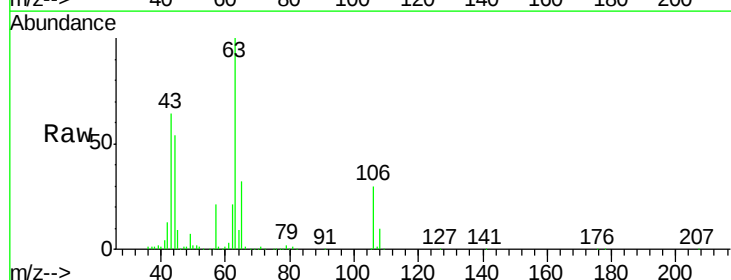
Manual Integrations
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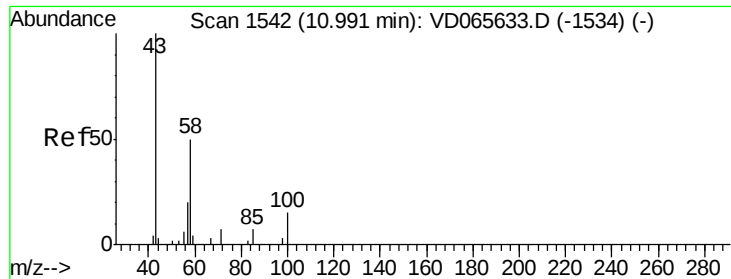
MMDadoda
 4/16/2020 3:13:41 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 817.585 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion: 63 Resp: 795880
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.8 35.6





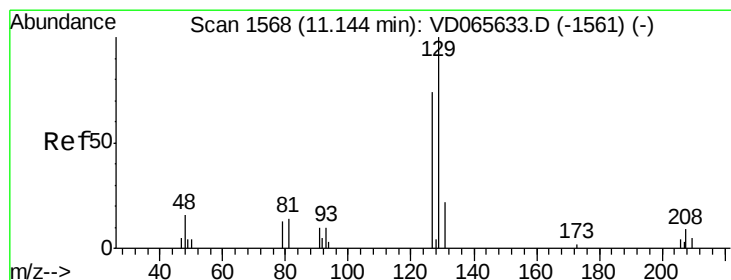
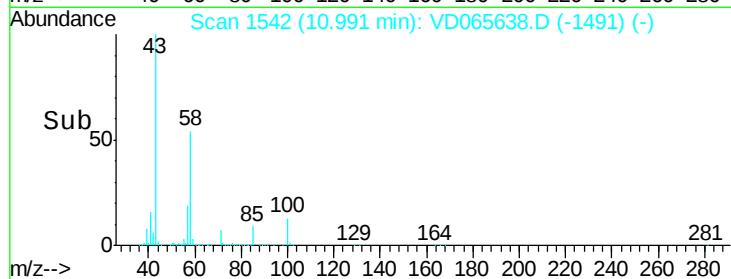
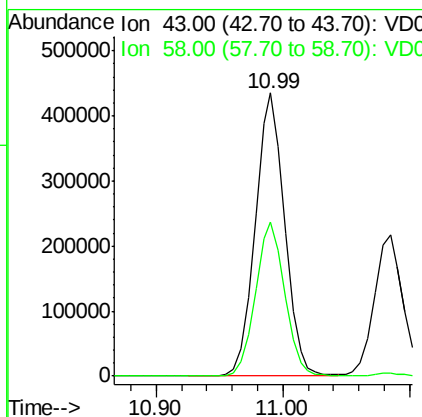
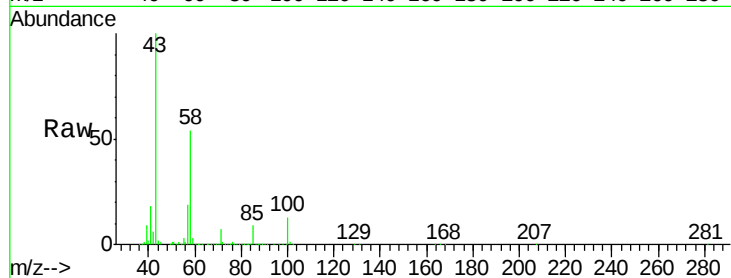
#59
2-Hexanone
Concen: 842.389 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.4	26.5	79.4

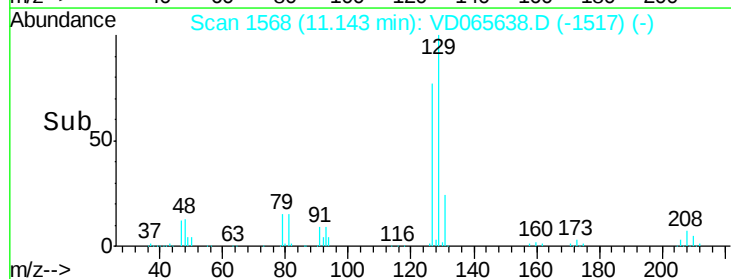
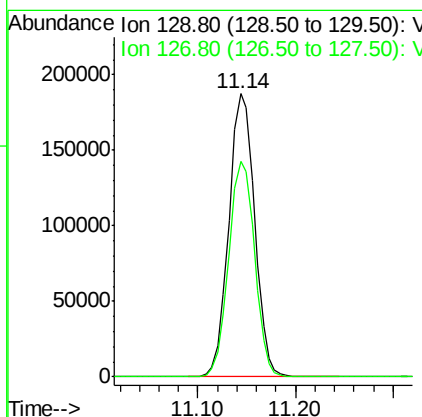
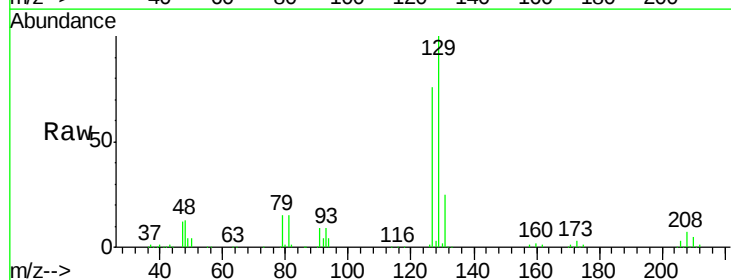
Manual Integrations
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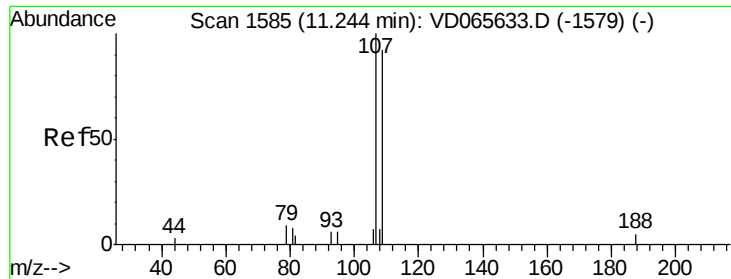
MMDadoda
4/16/2020 3:13:41 PM



#60
Dibromochloromethane
Concen: 141.389 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.8	116.3





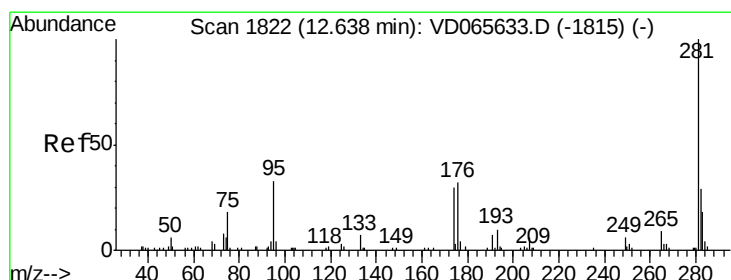
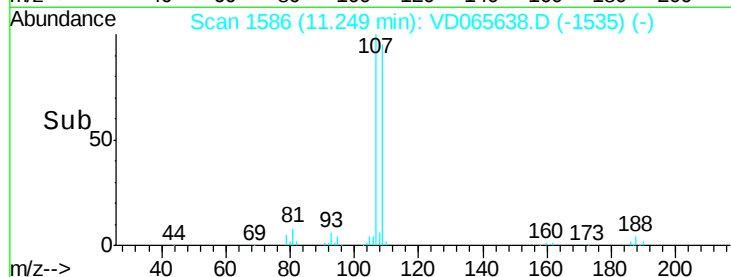
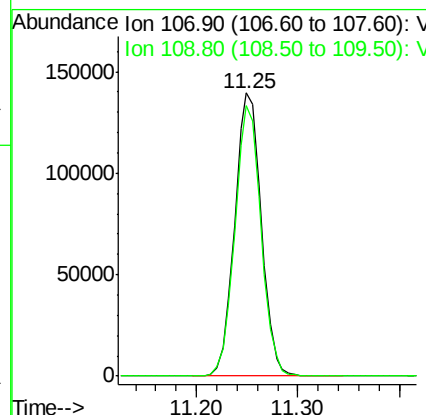
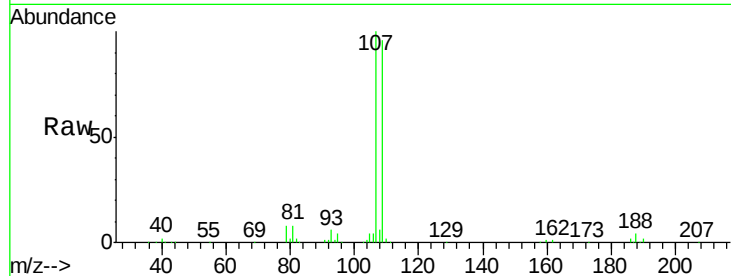
#61
 1,2-Dibromoethane
 Concen: 144.371 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	74.6	112.0

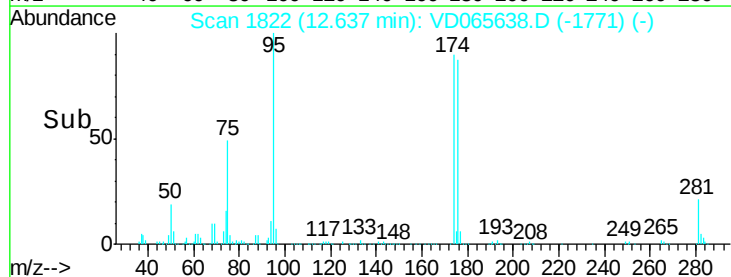
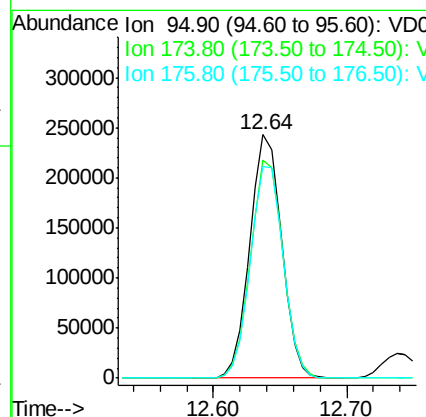
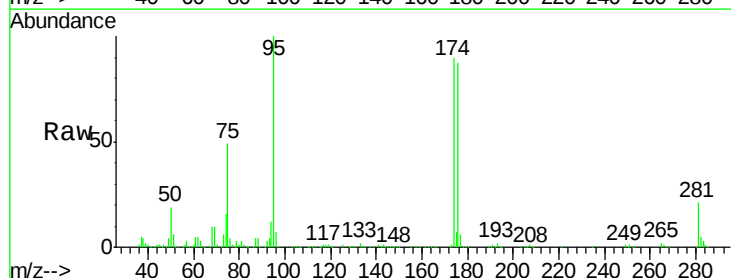
Manual Integrations
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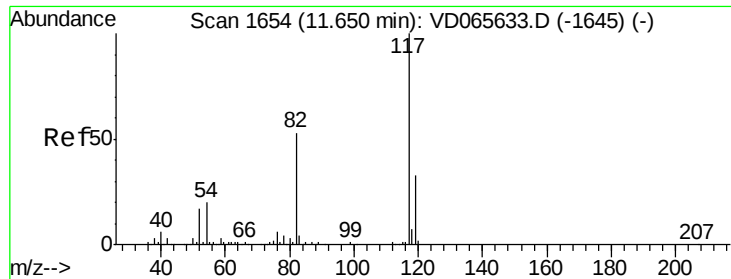
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 144.831 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	183.8
176	89.7	0.0	181.4





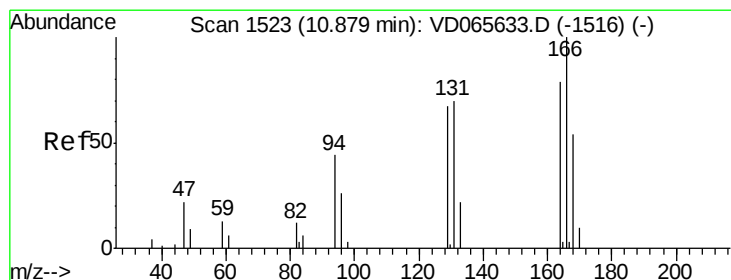
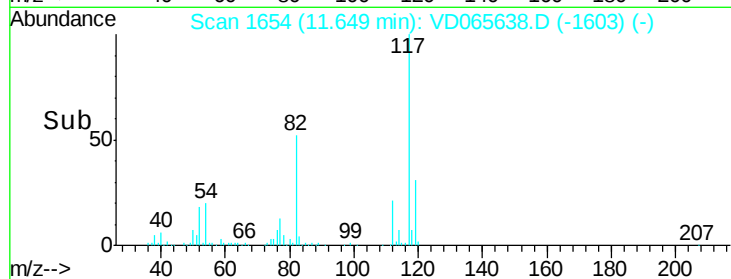
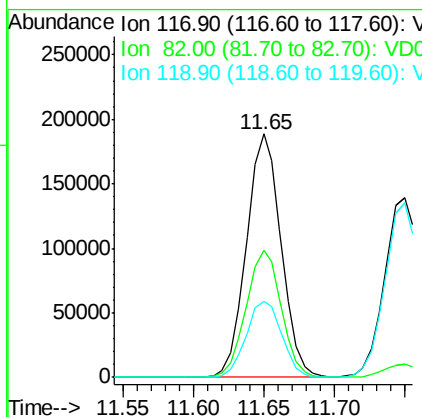
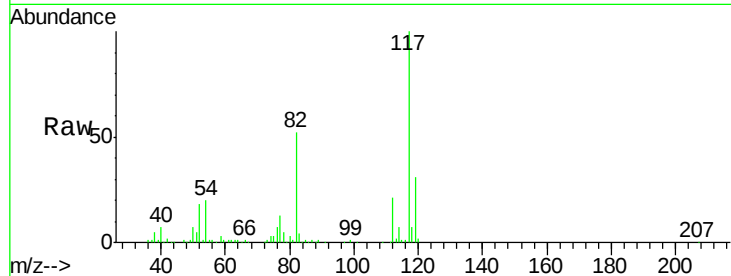
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
117	100	325247		
82	52.0		43.2	64.8
119	31.3		26.2	39.4

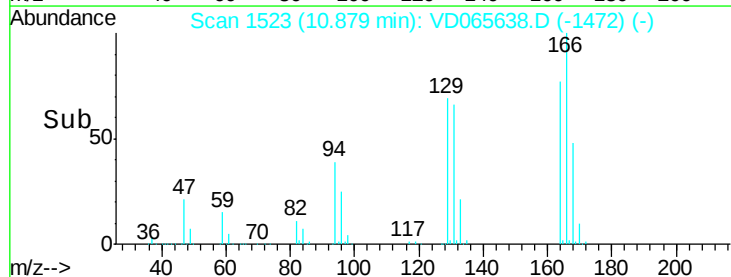
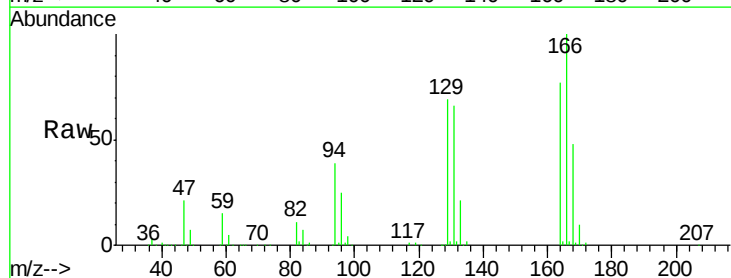
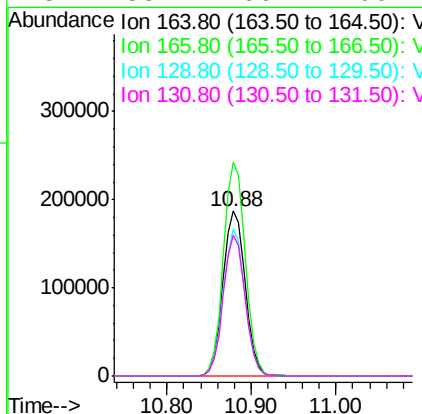
Manual Integrations
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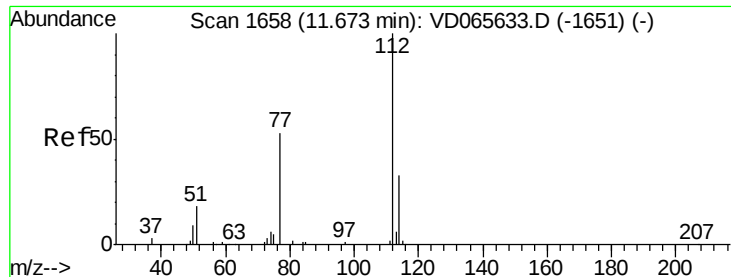
MMDadoda
4/16/2020 3:13:41 PM



#64
Tetrachloroethene
Concen: 134.301 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	339379		
166	129.8		102.3	153.5
129	89.6		71.7	107.5
131	85.7		66.2	99.4





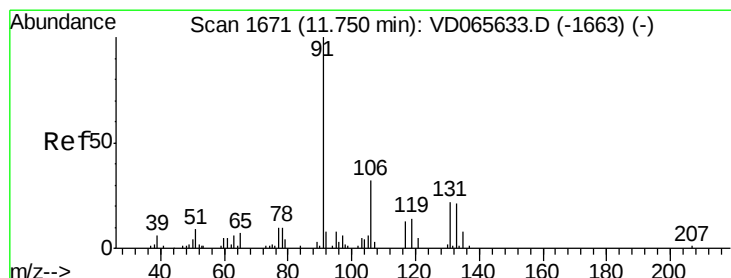
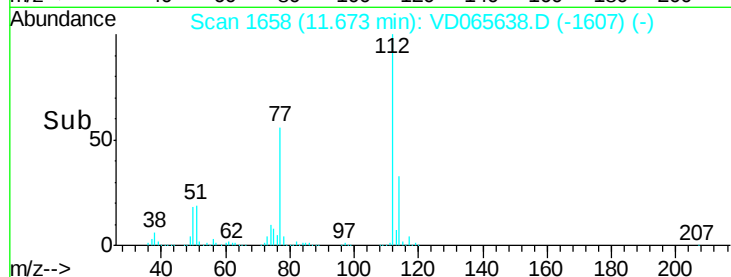
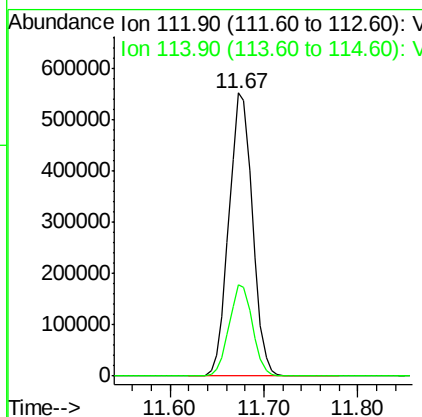
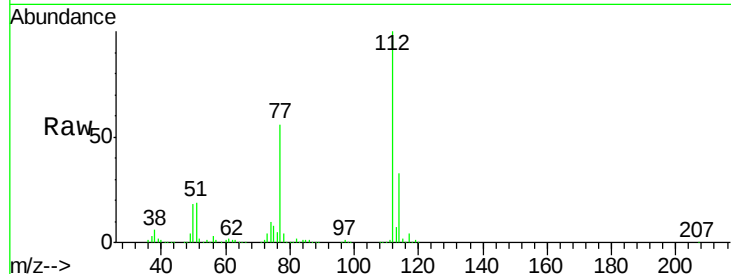
#65
Chlorobenzene
Concen: 139.758 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.3	37.9

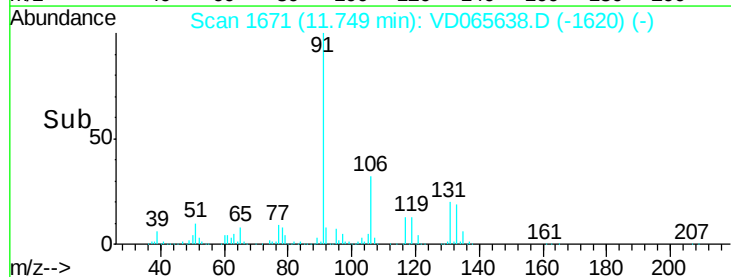
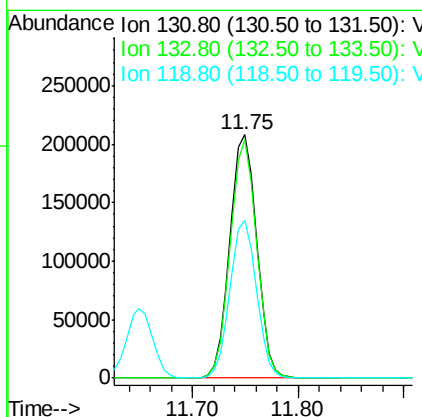
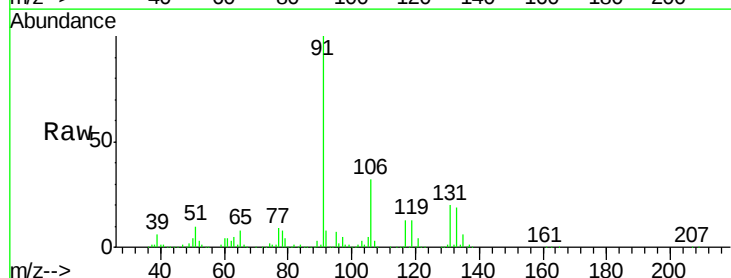
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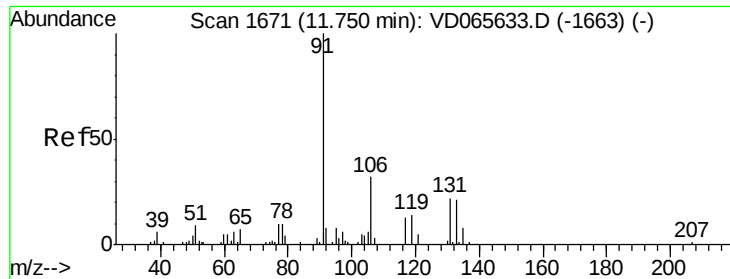
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#66
1,1,1,2-Tetrachloroethane
Concen: 139.997 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.7	143.1
119	63.8	32.6	97.7





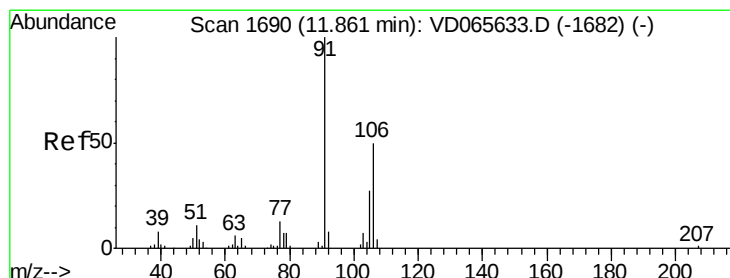
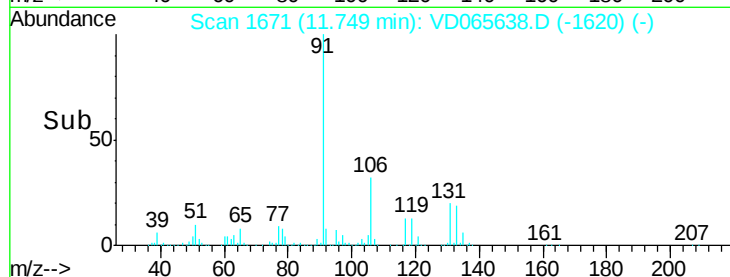
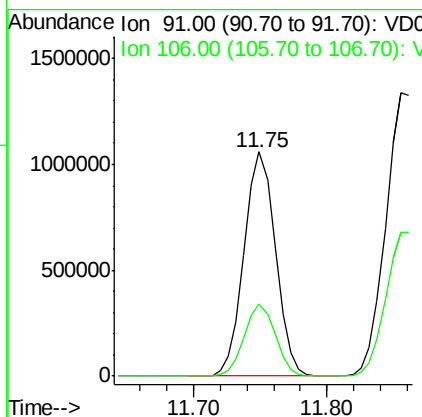
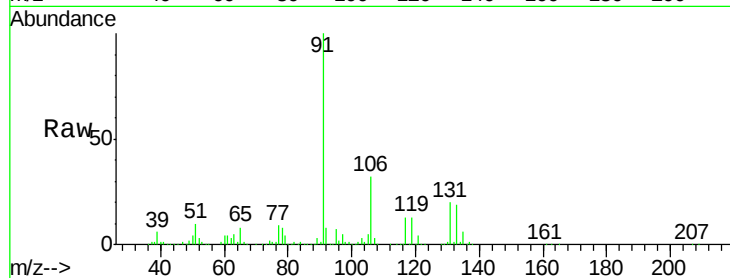
#67
Ethyl Benzene
Concen: 152.044 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1728708
Ion Ratio Lower Upper
91 100
106 32.2 25.1 37.7

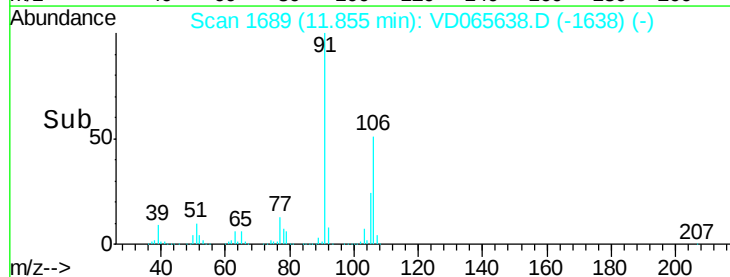
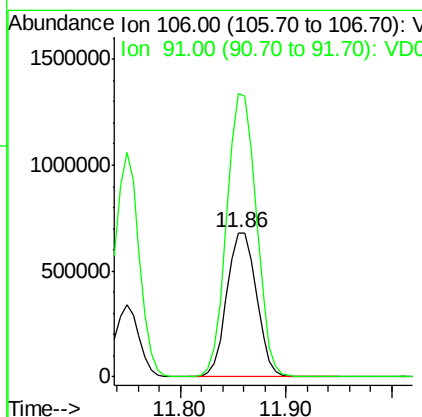
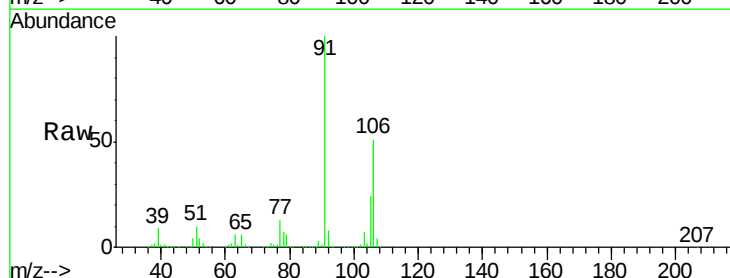
Manual Integrations
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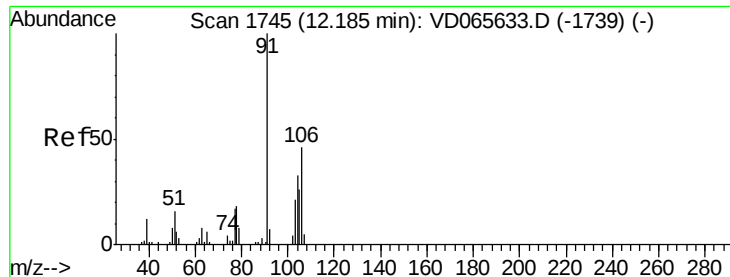
MMDadoda
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#68
m/p-Xylenes
Concen: 297.862 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 106 Resp: 1331385
Ion Ratio Lower Upper
106 100
91 195.3 157.9 236.9





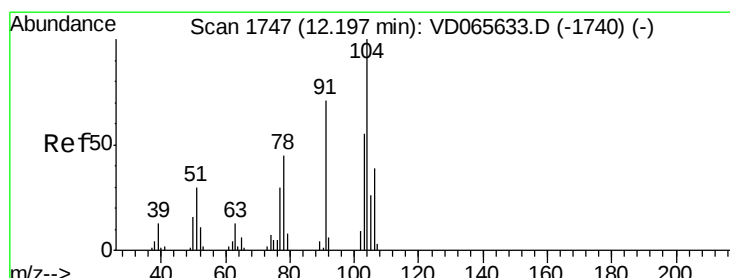
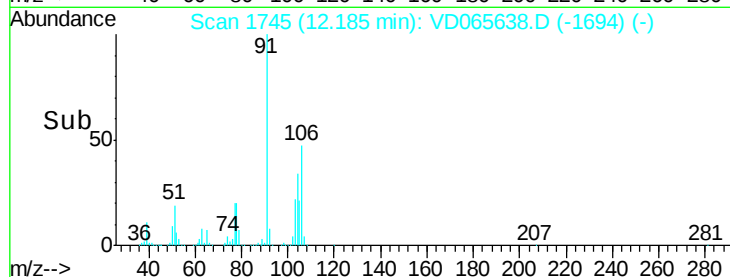
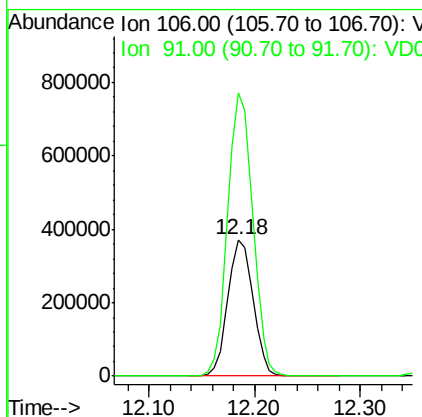
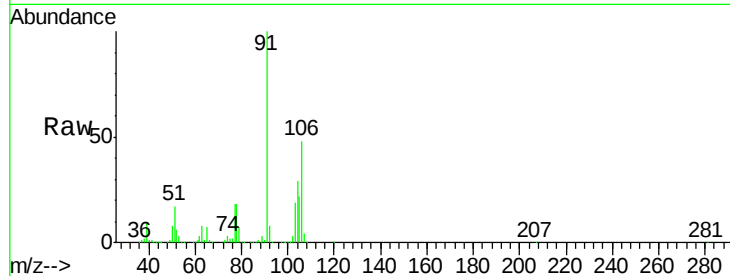
#69
o-Xylene
Concen: 158.620 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.4	103.6	310.9

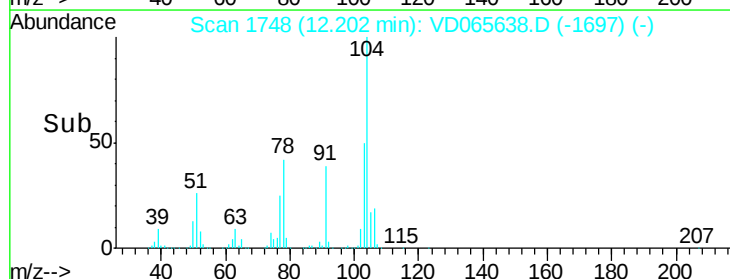
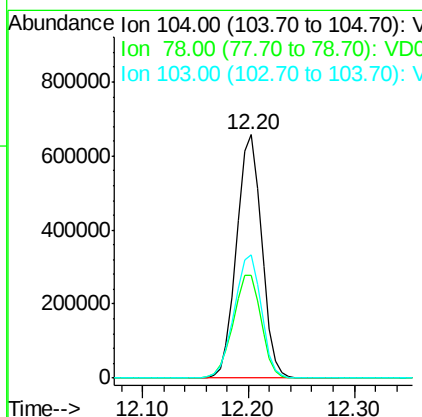
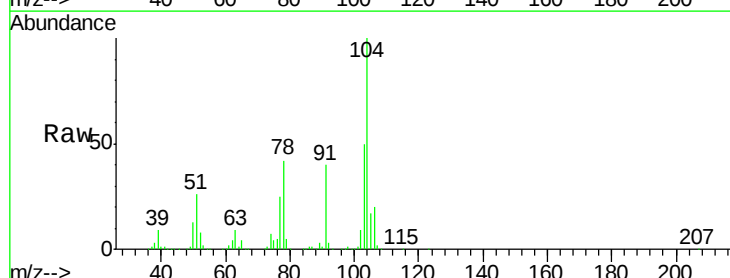
Manual Integrations
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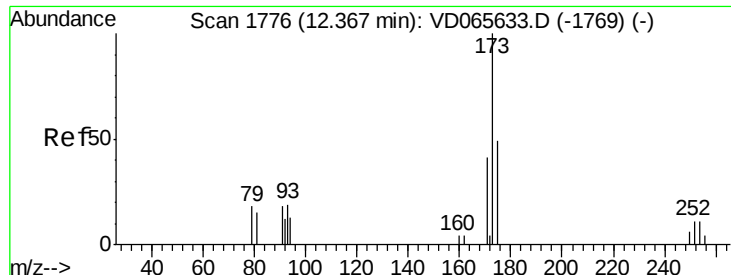
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#70
Styrene
Concen: 157.894 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.5	56.3
103	54.4	43.4	65.0





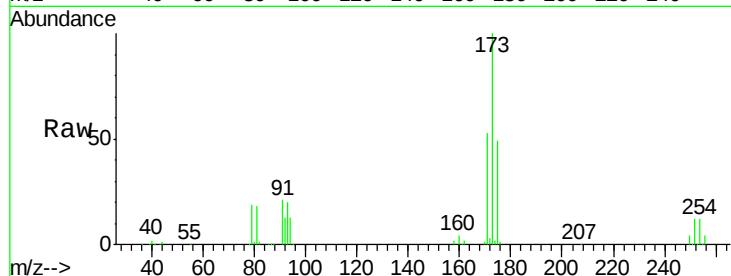
#71
Bromoform
Concen: 141.725 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

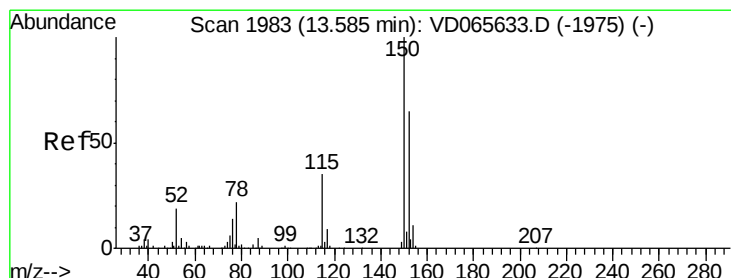
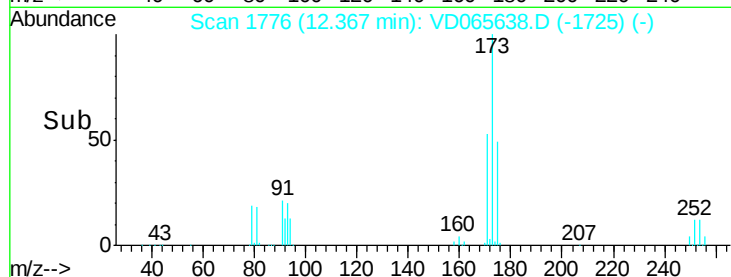
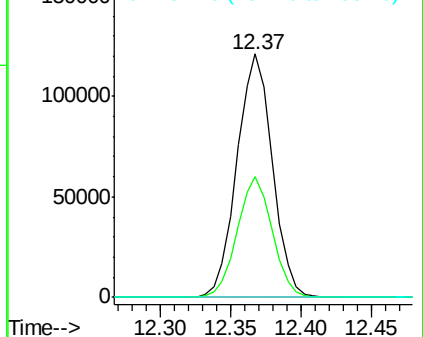
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.1	75.2
254	0.1	0.0	0.0#

Manual Integrations
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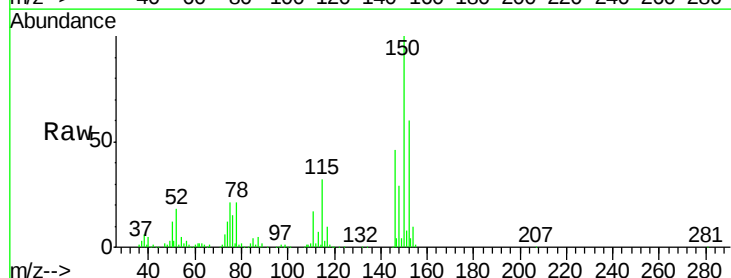


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

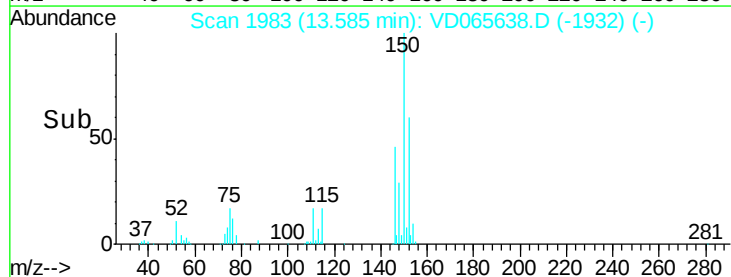
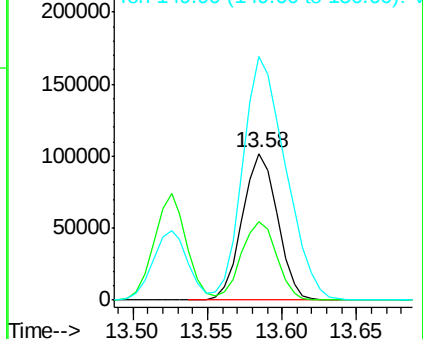


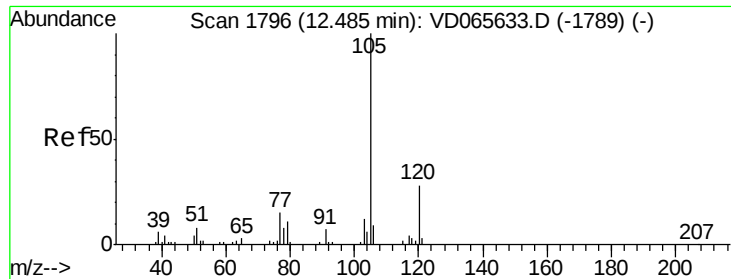
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.6	82.7
150	203.0	0.0	346.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 159.319 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tot Ion:105 Resp: 1646452

Ion Ratio Lower Upper

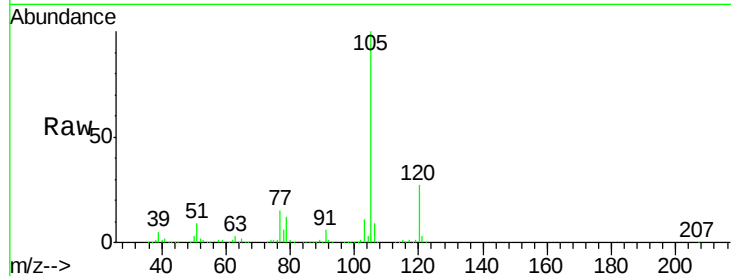
105 100

120 27.1 13.4 40.2

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

1200000

1000000

800000

600000

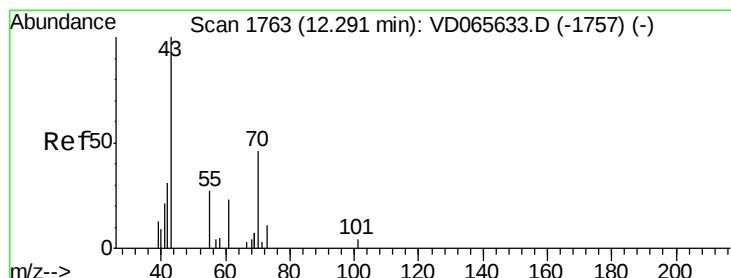
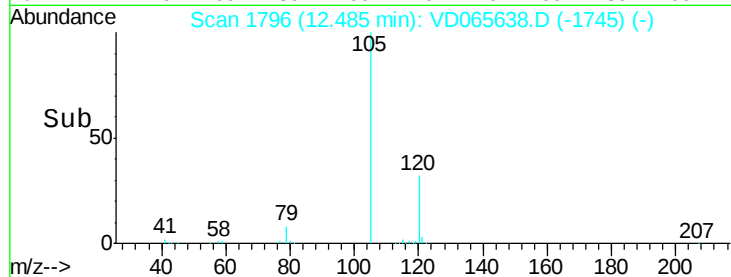
400000

200000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 174.658 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion: 43 Resp: 370282

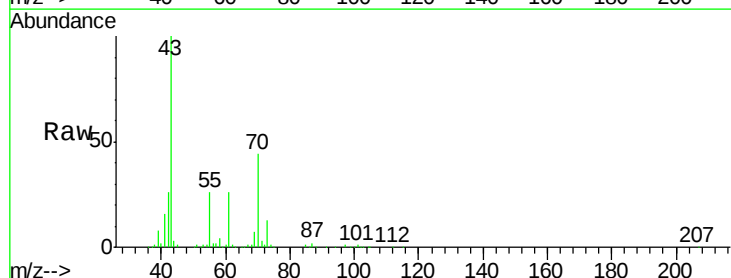
Ion Ratio Lower Upper

43 100

70 43.8 35.4 53.0

55 26.0 22.2 33.2

61 24.7 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

300000

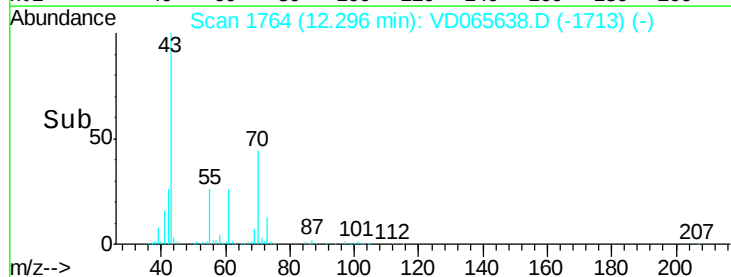
200000

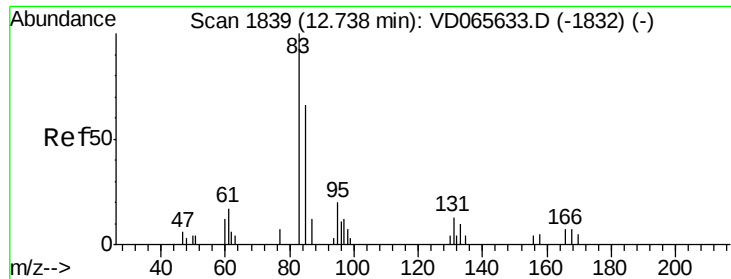
100000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 141.734 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

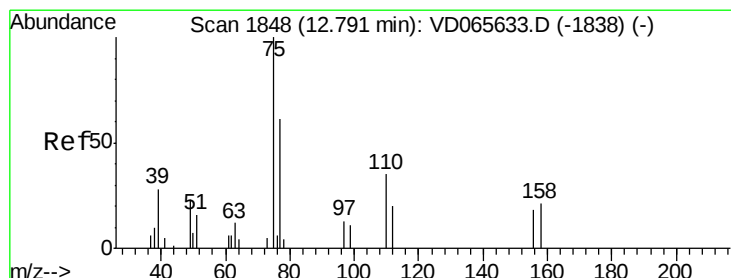
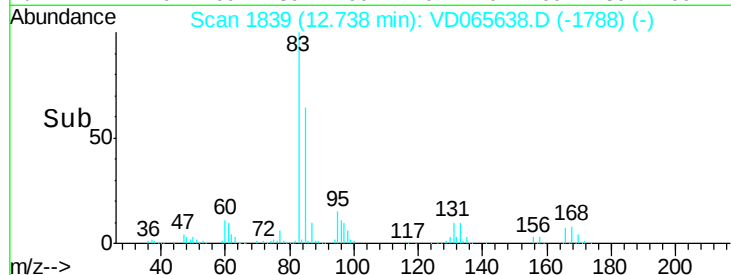
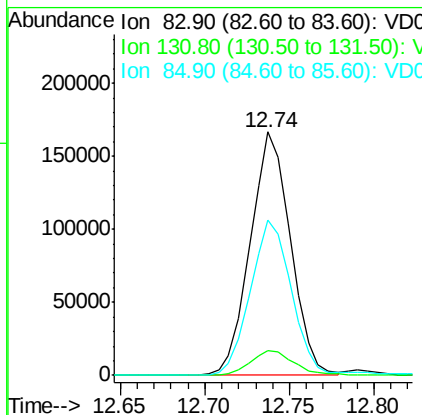
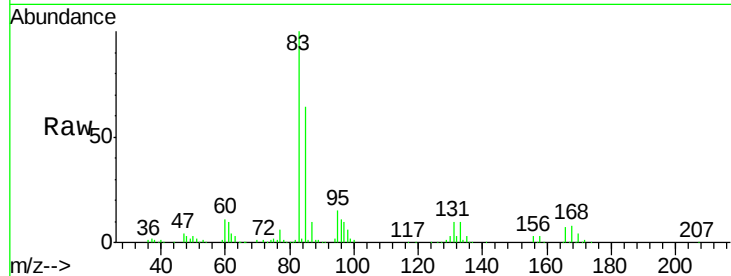
ClientSampleId :

VSTDIC150

Tot Ion:	83	Resp:	275665
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.7	17.0
85	64.8	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 139.735 ug/l m

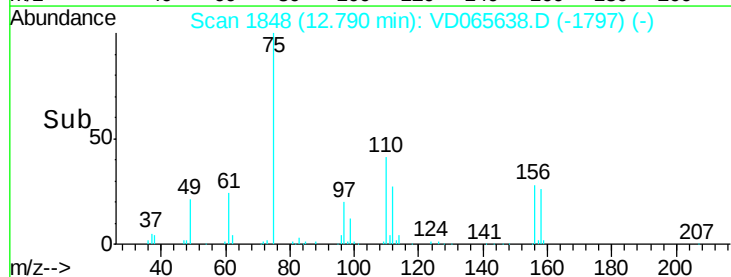
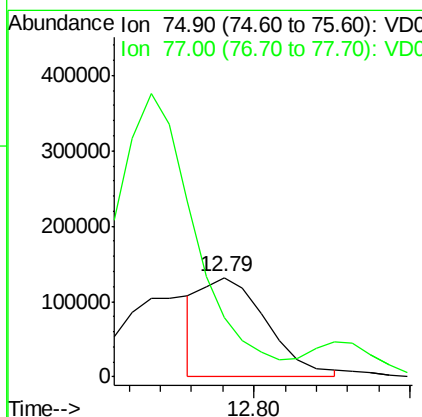
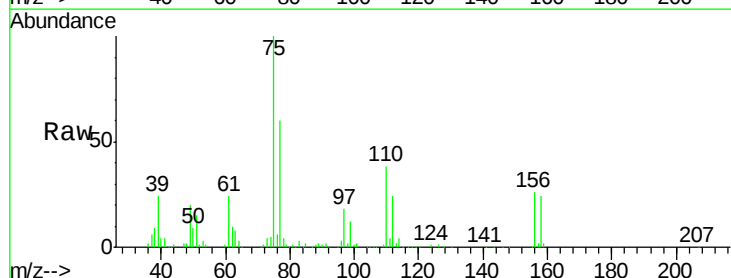
RT: 12.79 min Scan# 1848

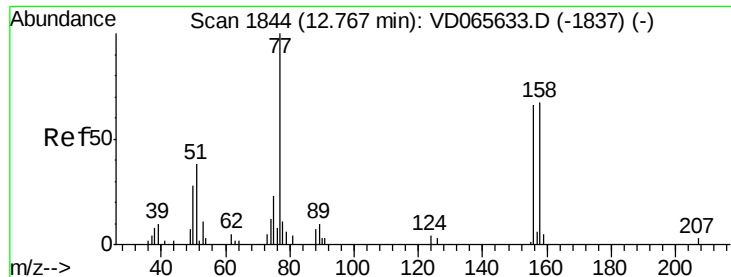
Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Tgt Ion:	75	Resp:	191016
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 145.660 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065638.D

Acq: 15 Apr 2020 16:28

Instrument :

MSVOA_D

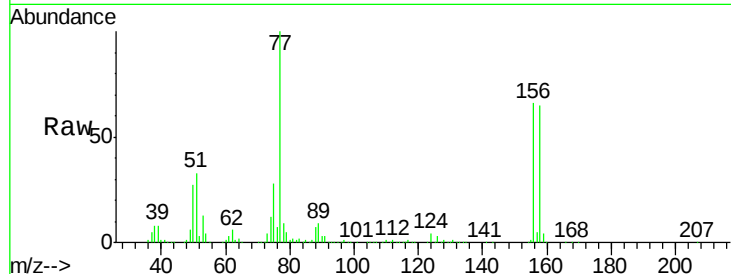
ClientSampleId :

VSTDIC150

Tot Ion	Ratio	Lower	Upper
156	100		
77	164.2	84.7	254.1
158	97.3	48.5	145.5

Manual Integrations
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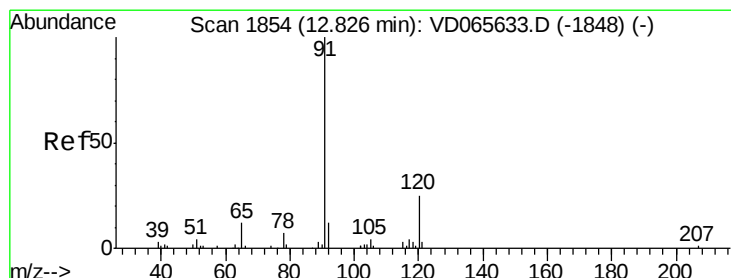
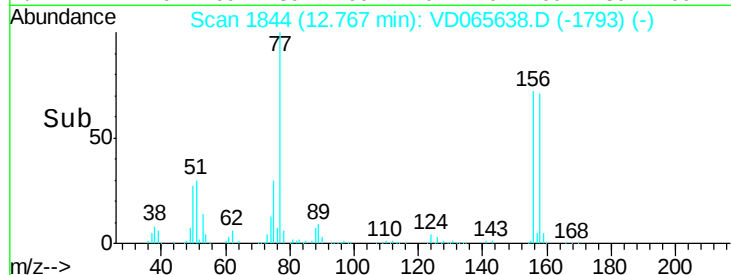
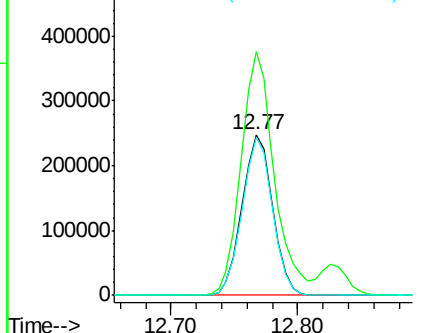
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 154.200 ug/l

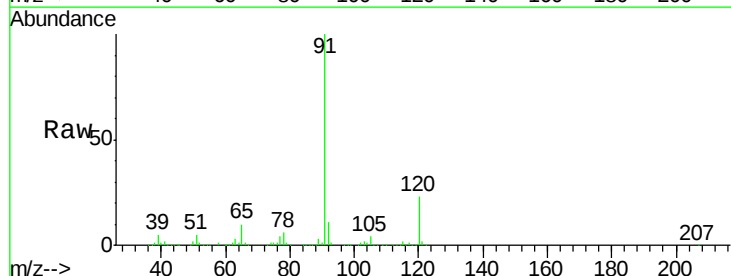
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065638.D

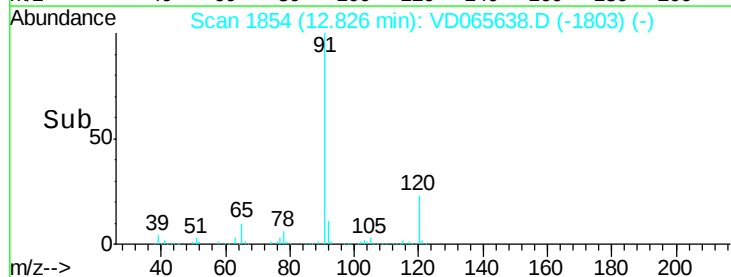
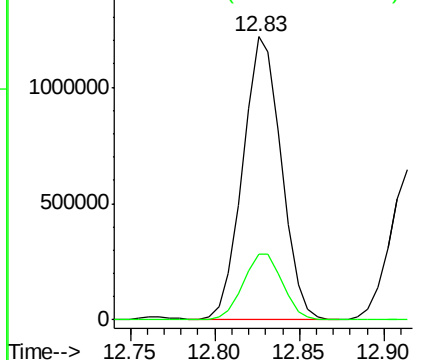
Acq: 15 Apr 2020 16:28

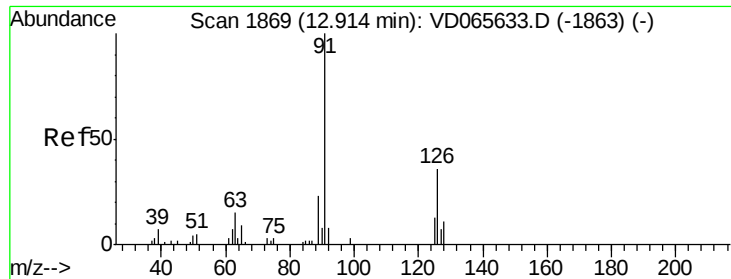
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





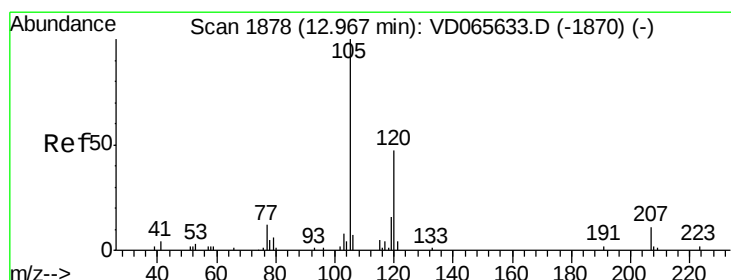
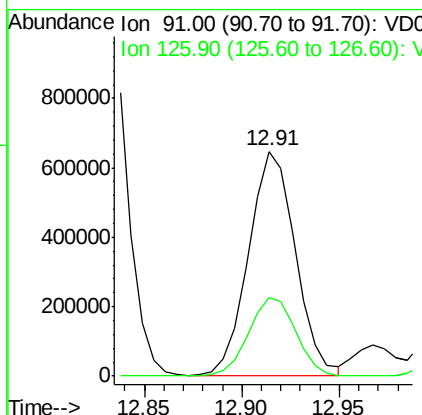
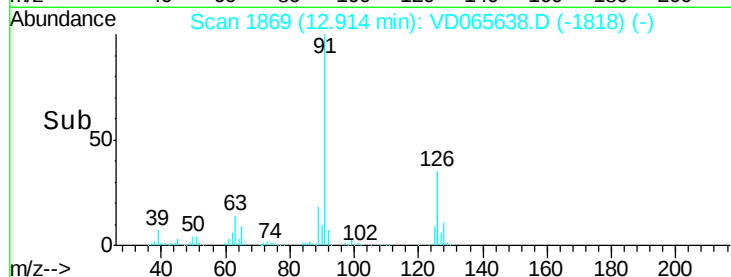
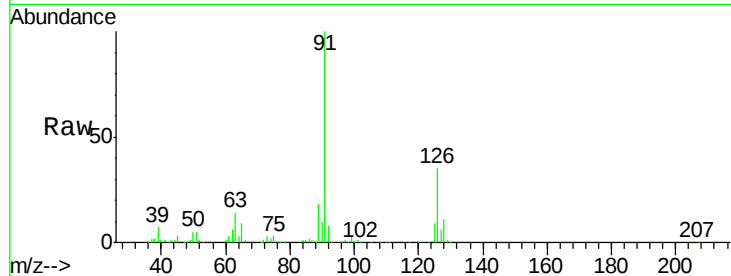
#79
 2-Chlorotoluene
 Concen: 150.085 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion: 91 Resp: 1076530
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.8 53.3

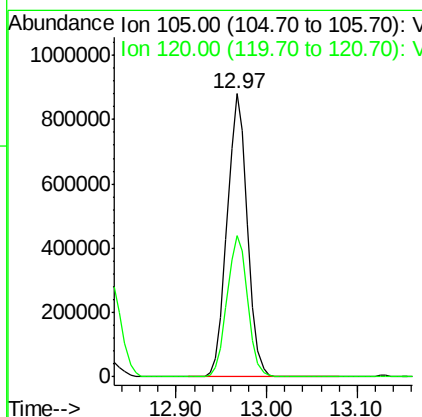
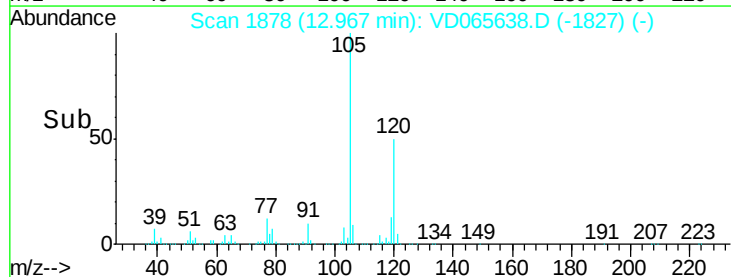
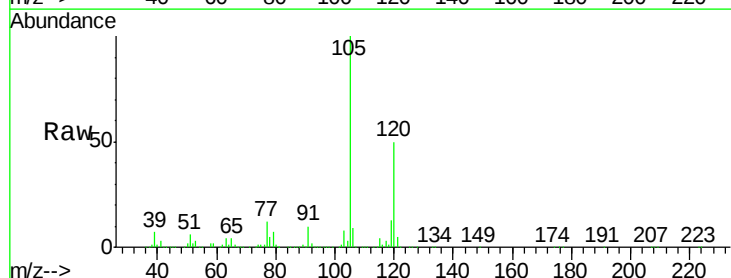
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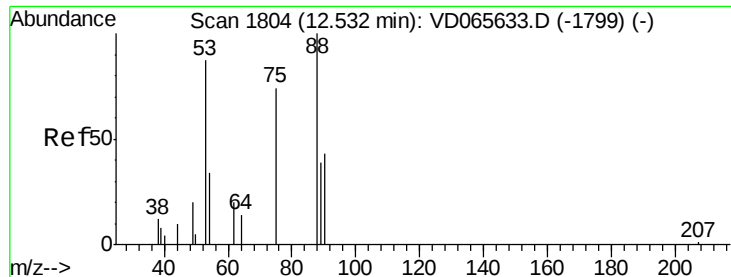
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 155.168 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion:105 Resp: 1359034
 Ion Ratio Lower Upper
 105 100
 120 50.8 25.2 75.6





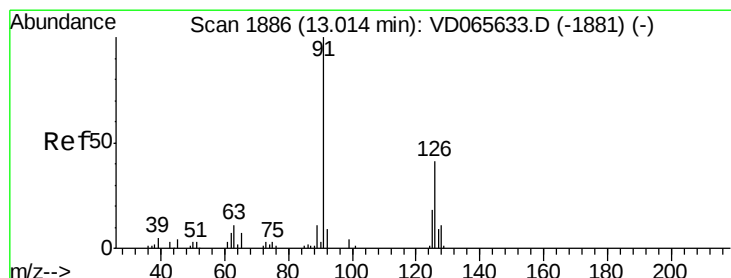
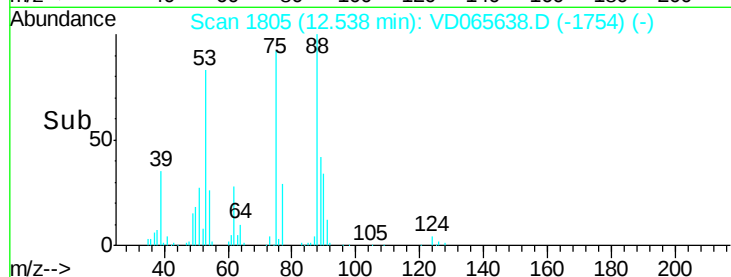
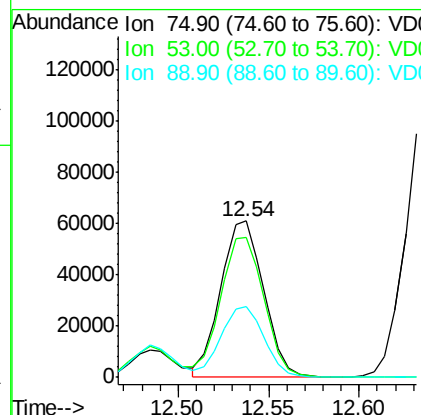
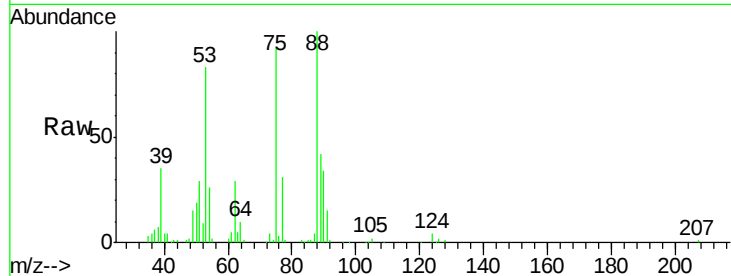
#81
trans-1,4-Dichloro-2-butene
Concen: 171.158 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.5	76.8	115.2
89	45.9	36.1	54.1

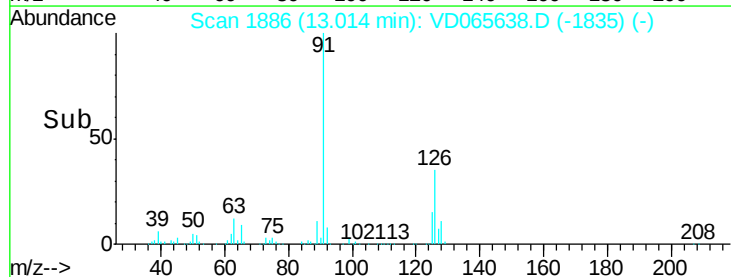
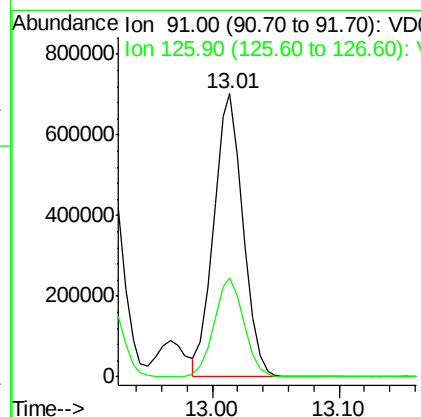
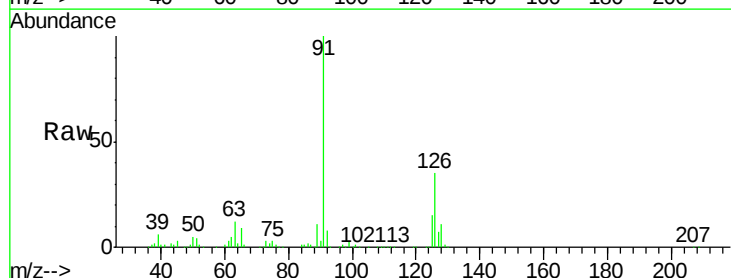
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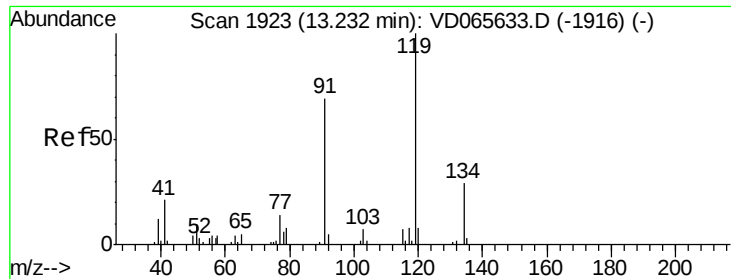
MMDadoda
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#82
4-Chlorotoluene
Concen: 144.625 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.6





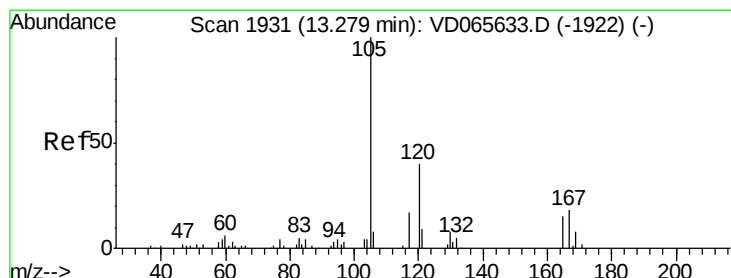
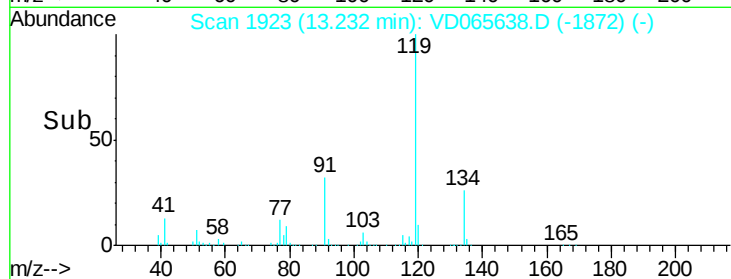
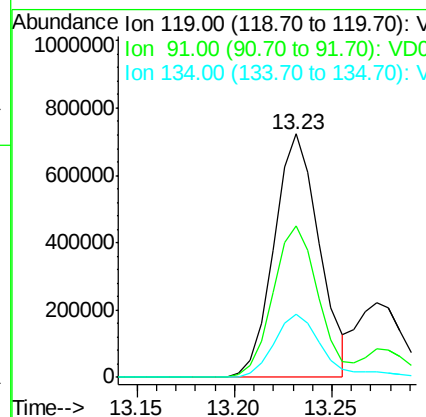
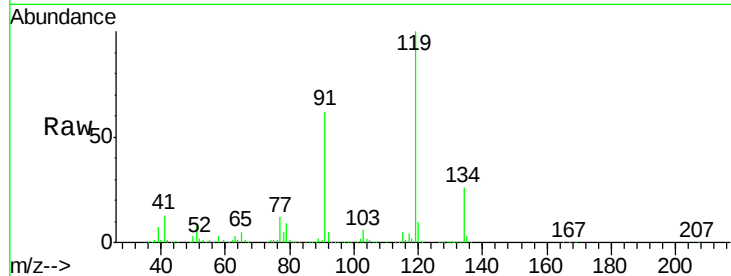
#83
 tert-Butylbenzene
 Concen: 160.068 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:119 Resp: 1160685
 Ion Ratio Lower Upper
 119 100
 91 62.9 31.7 95.1
 134 27.9 14.0 41.9

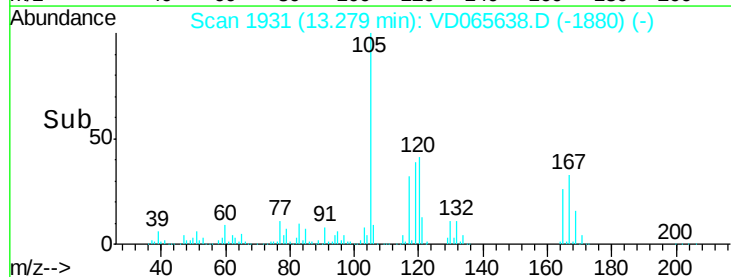
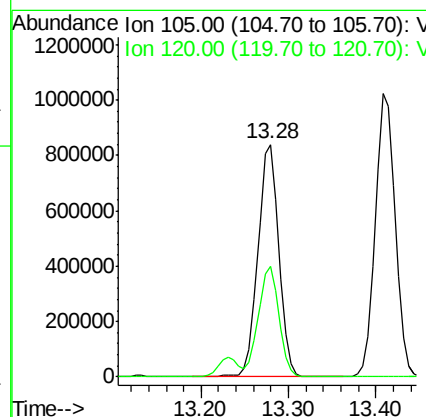
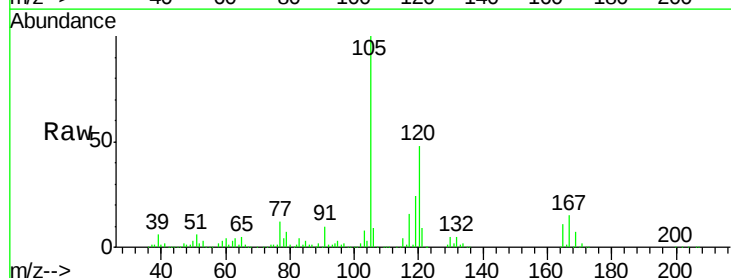
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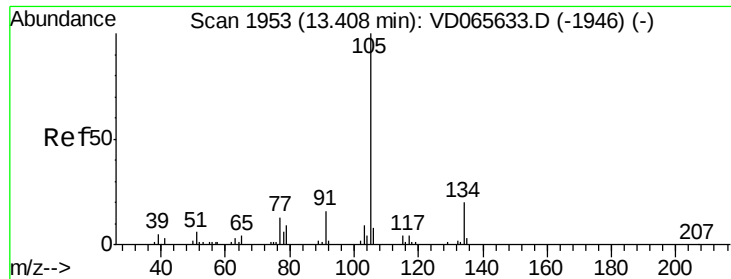
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#84
 1,2,4-Trimethylbenzene
 Concen: 156.783 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion:105 Resp: 1361073
 Ion Ratio Lower Upper
 105 100
 120 46.9 23.5 70.6





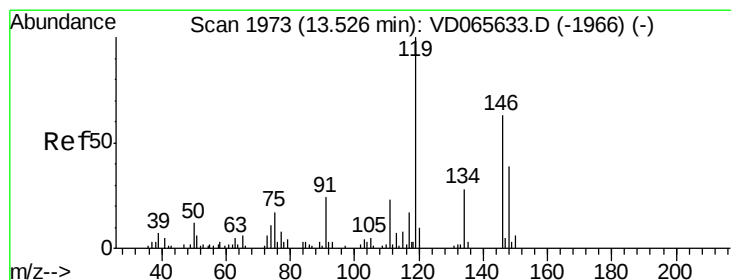
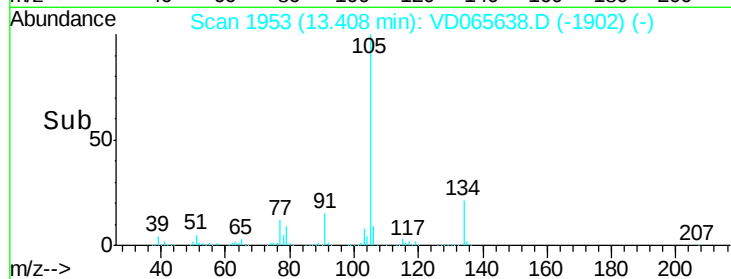
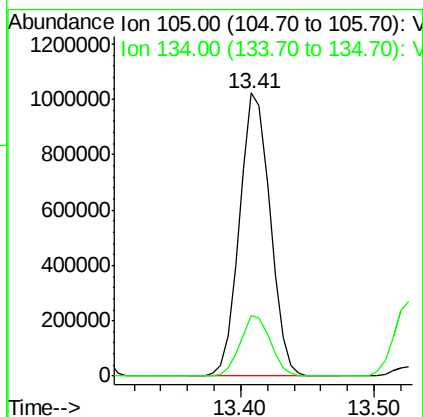
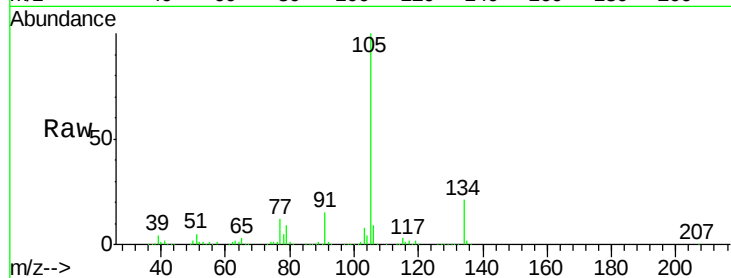
#85
 sec-Butylbenzene
 Concen: 155.908 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion:105 Resp: 1622656
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.4 31.4

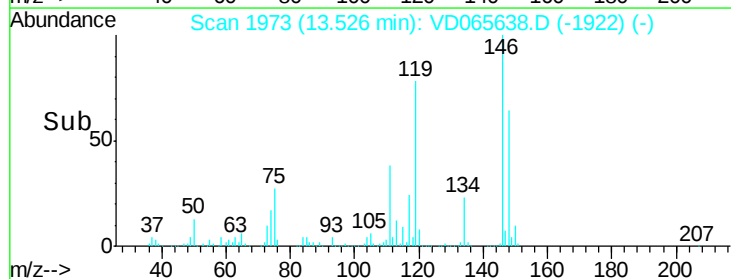
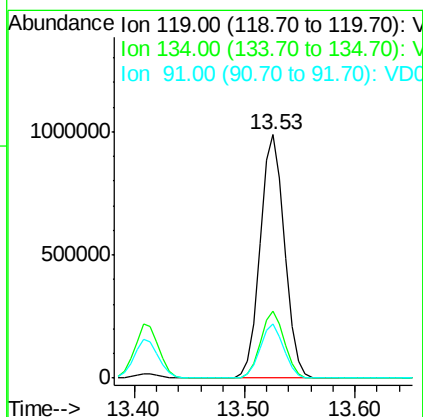
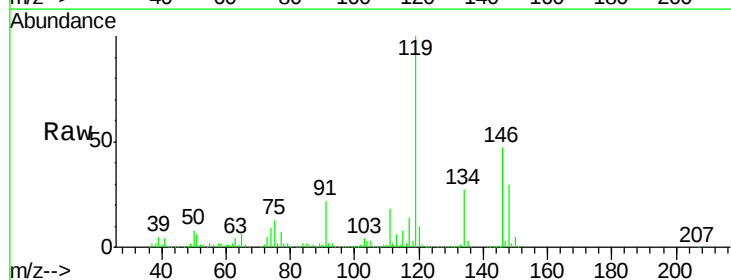
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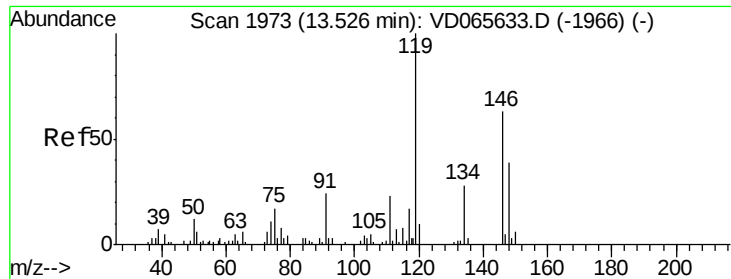
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#86
 p-Isopropyltoluene
 Concen: 158.812 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion:119 Resp: 1524156
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.4 40.1
 91 21.7 11.1 33.3





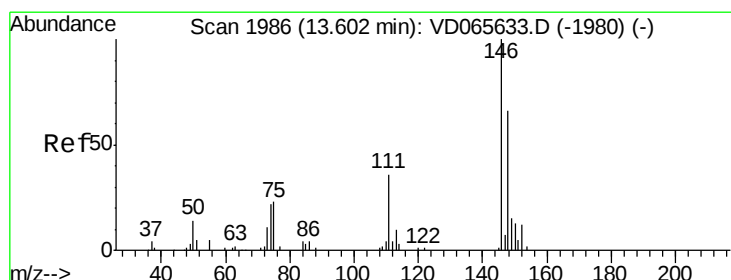
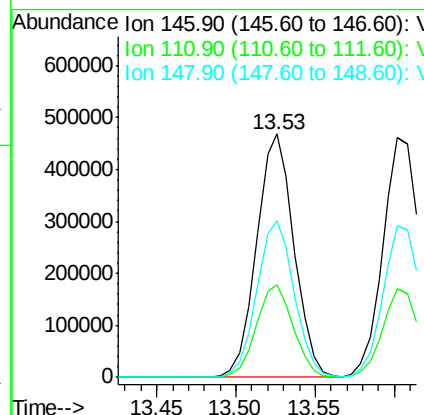
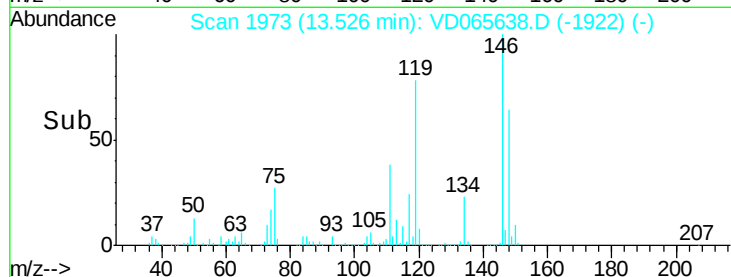
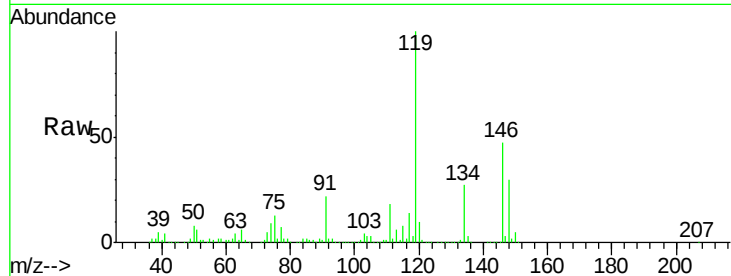
#87
 1,3-Dichlorobenzene
 Concen: 138.446 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.6	55.6
148	64.2	31.6	94.8

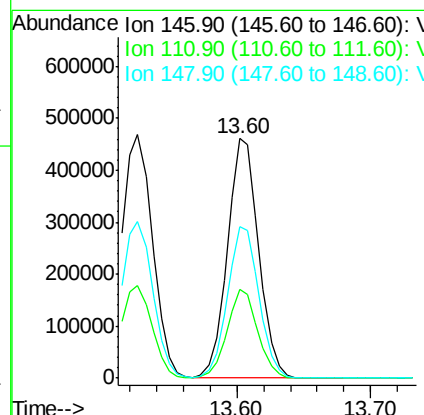
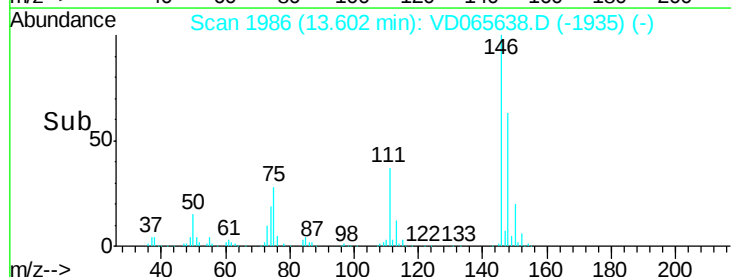
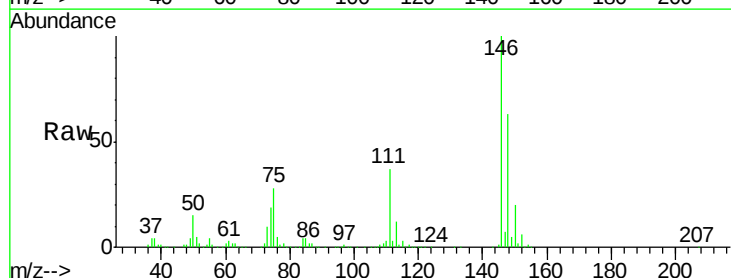
Manual Integrations
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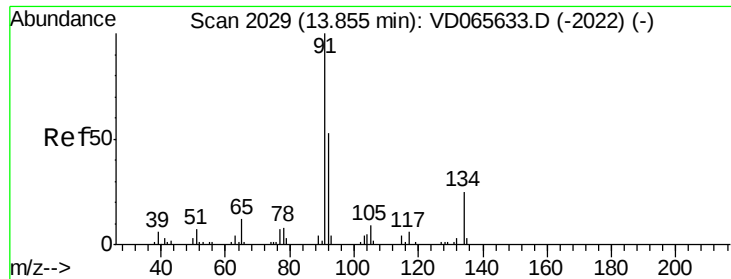
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#88
 1,4-Dichlorobenzene
 Concen: 136.426 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.0	54.0
148	63.9	31.4	94.2





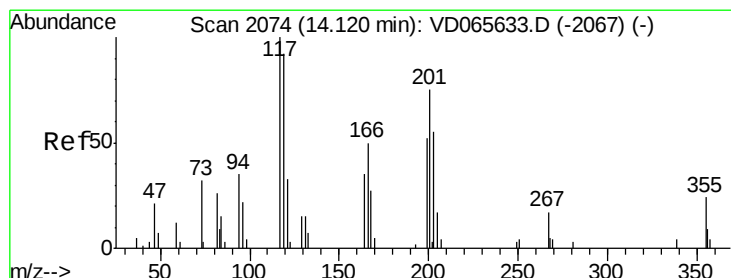
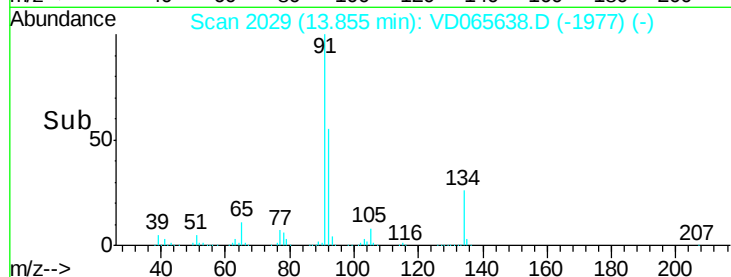
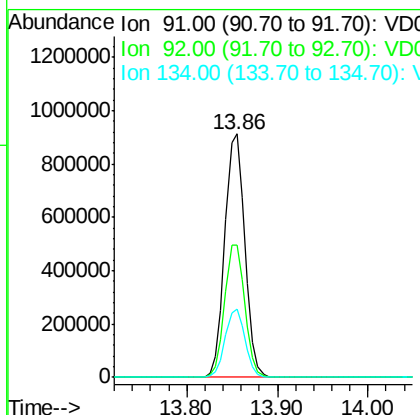
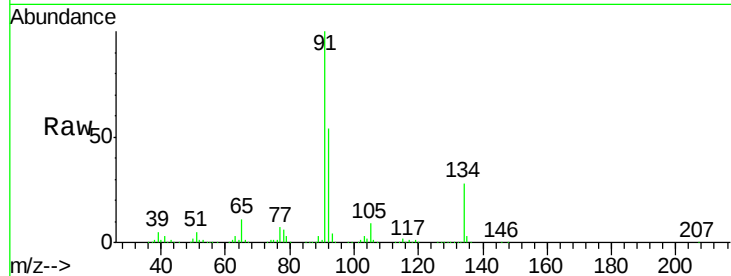
#89
n-Butylbenzene
Concen: 160.019 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion: 91 Resp: 1391652
Ion Ratio Lower Upper
91 100
92 54.8 26.9 80.6
134 27.9 13.6 40.8

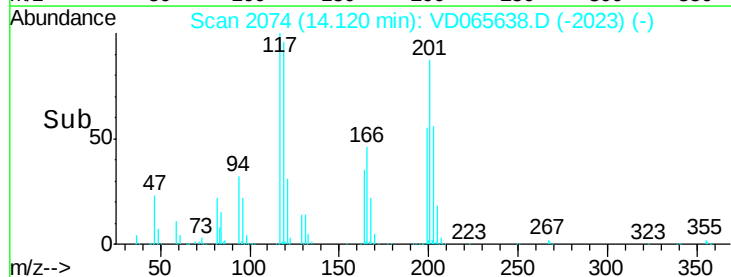
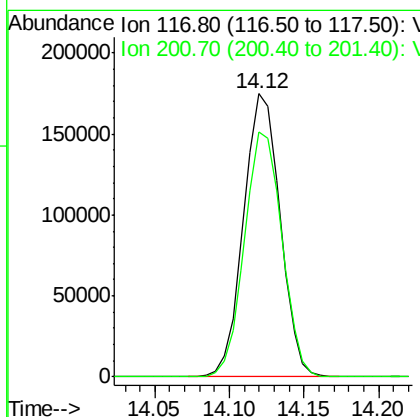
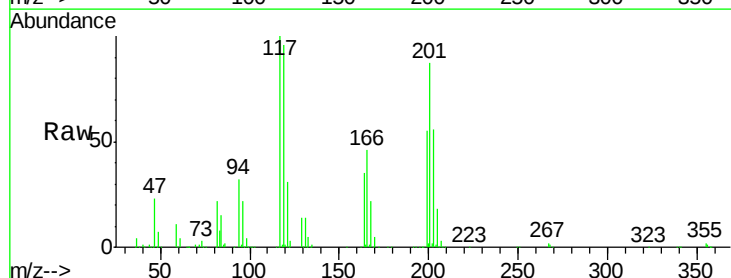
Manual Integrations
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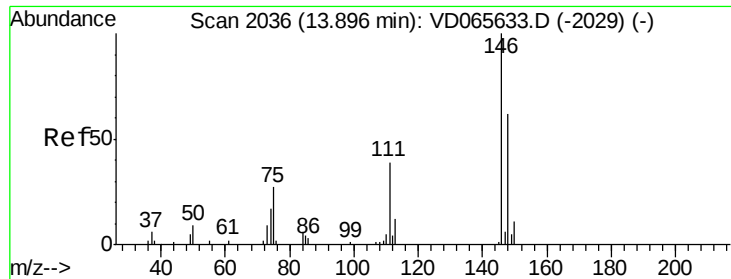
MMDadoda
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#90
Hexachloroethane
Concen: 141.327 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion: 117 Resp: 296920
Ion Ratio Lower Upper
117 100
201 88.4 44.9 134.7





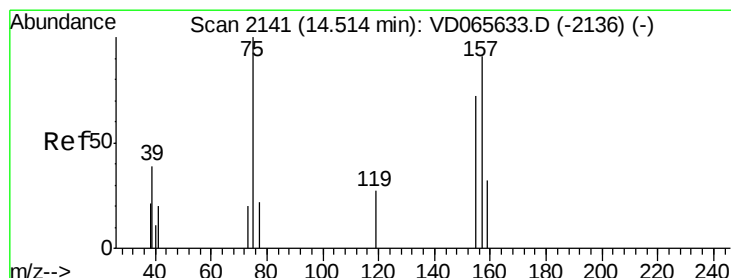
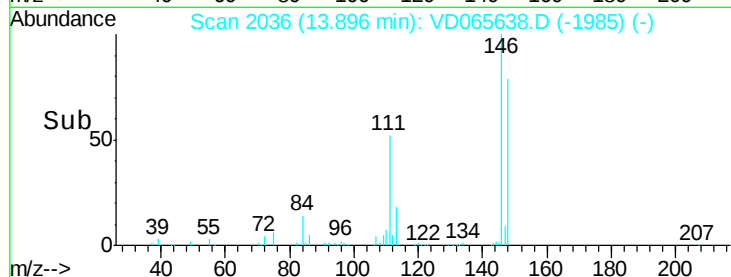
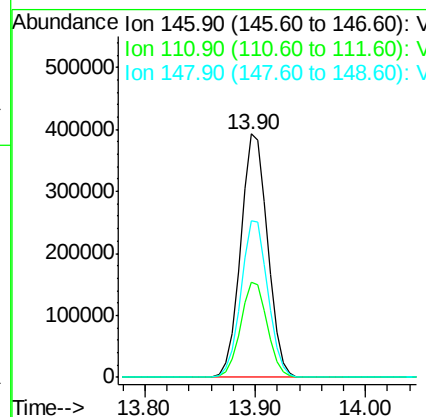
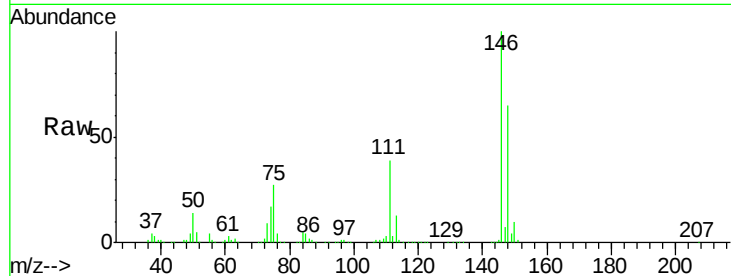
#91
 1,2-Dichlorobenzene
 Concen: 142.662 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.3	57.9
148	64.4	32.0	96.0

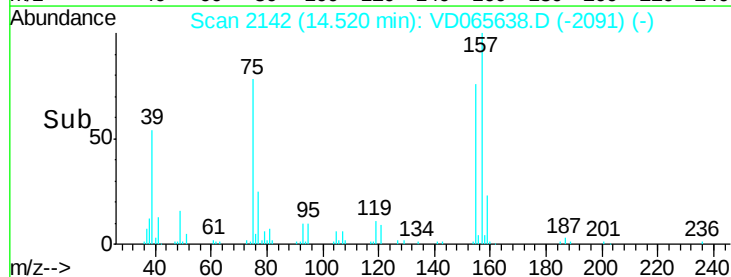
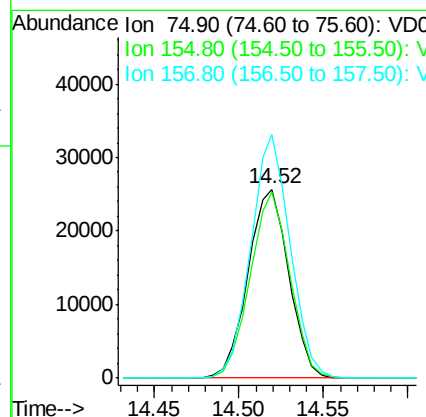
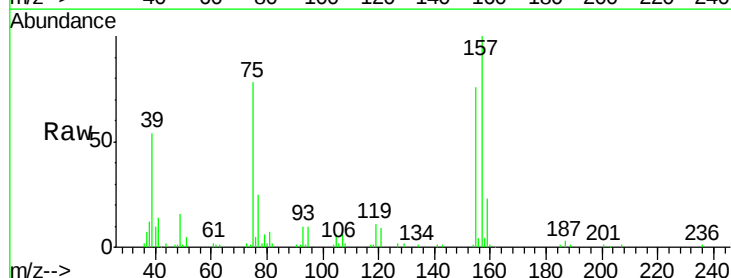
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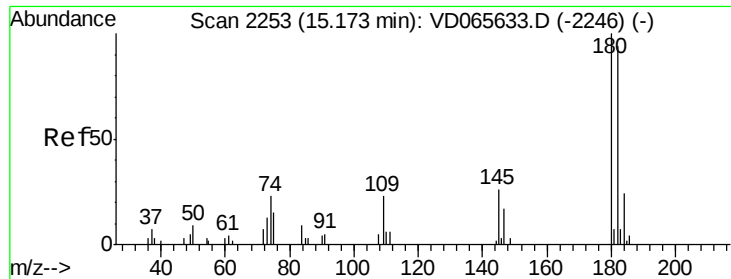
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 142.977 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.6	48.0	144.2
157	123.8	59.2	177.6





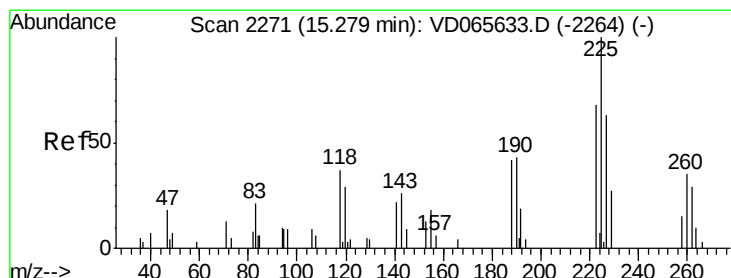
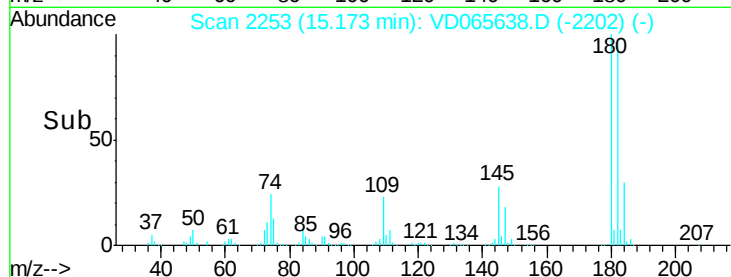
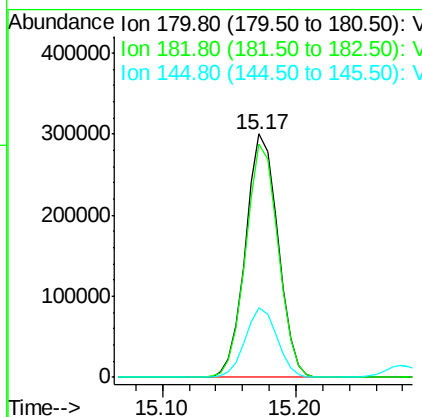
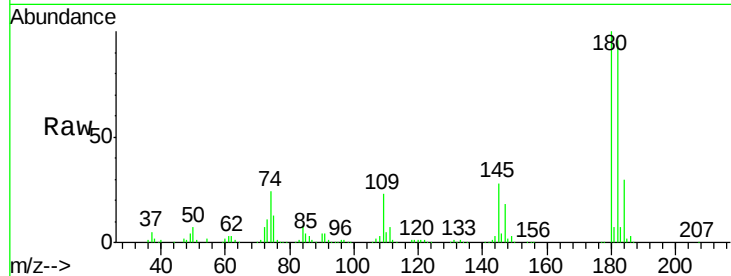
#93
 1,2,4-Trichlorobenzene
 Concen: 161.606 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.3	48.9	146.6	
145	28.1	13.8	41.3	

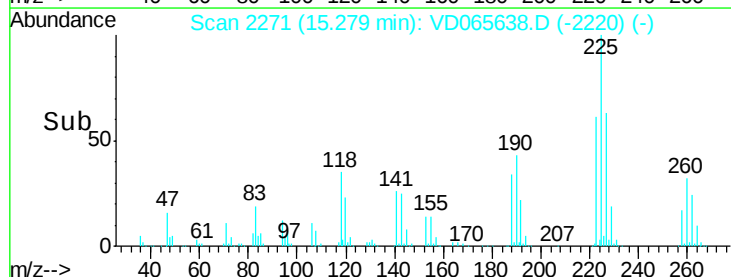
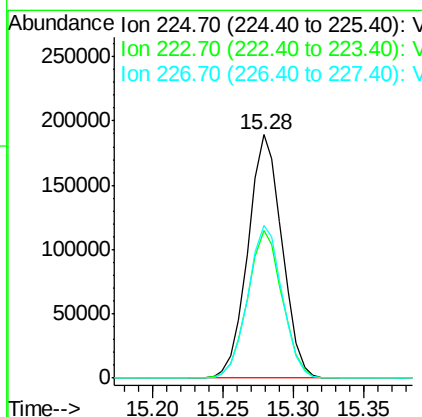
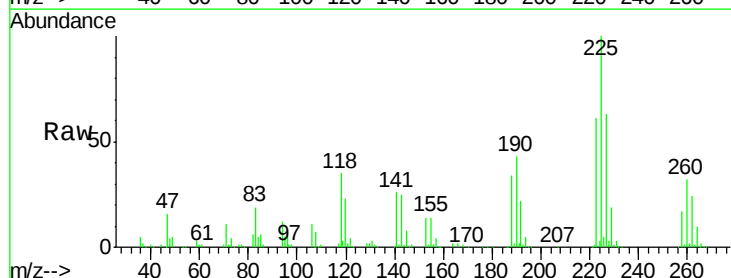
Manual Integrations
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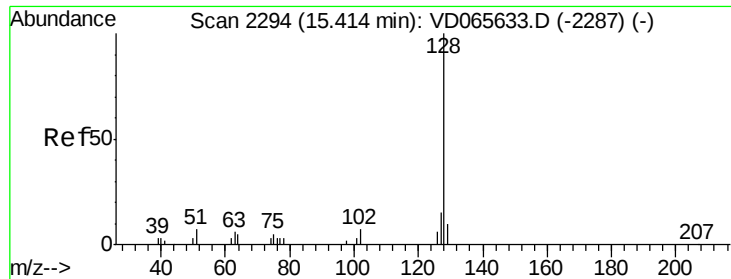
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 148.480 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065638.D
 Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	31.9	95.5	
227	63.2	32.0	96.2	





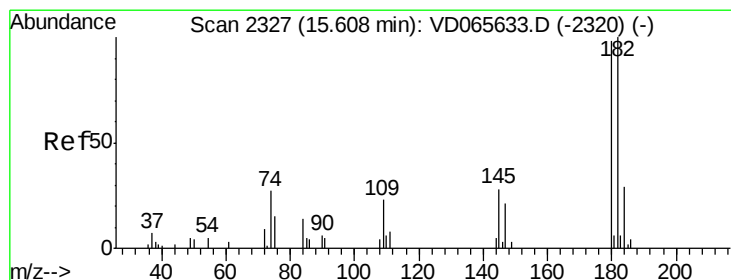
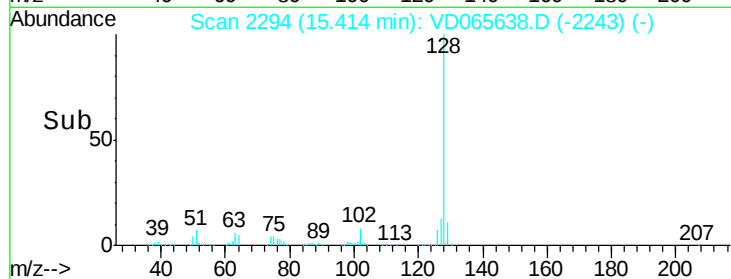
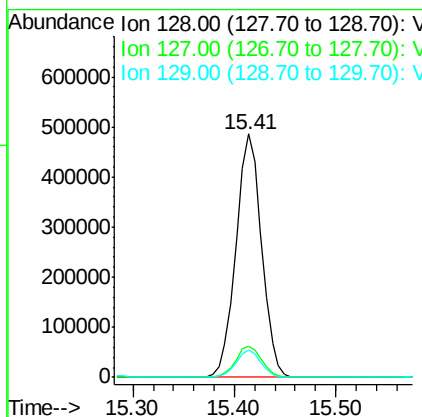
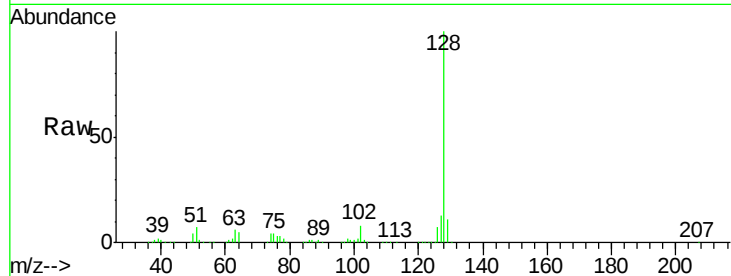
#95
Naphthalene
Concen: 185.608 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.0	8.8	13.2

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 161.973 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065638.D
Acq: 15 Apr 2020 16:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.8	143.3
145	29.7	15.0	45.0

