

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064859.D
 Acq On : 17 Jan 2020 13:23
 Operator : VA/SY
 Sample : L1176-04MS
 Misc : 4.69G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Manual Integrations
 APPROVED

MMDadoda
 1/20/2020 11:14:14 AM

Quant Time: Jan 17 23:33:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	351854	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	523107	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	463812	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	227344	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	348868	112.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	224.88%	
35) Dibromofluoromethane	7.92	113	341999	106.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	213.12%	
50) Toluene-d8	10.34	98	1306721	106.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.62%	
62) 4-Bromofluorobenzene	12.64	95	411289	105.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	211.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	85692	31.338	ug/l	96
3) Chloromethane	2.21	50	135072	35.320	ug/l	99
4) Vinyl Chloride	2.35	62	157082	33.688	ug/l	99
5) Bromomethane	2.77	94	118688	35.008	ug/l	96
6) Chloroethane	2.93	64	112695	36.070	ug/l	98
7) Trichlorofluoromethane	3.27	101	255104	32.493	ug/l	99
8) Diethyl Ether	3.71	74	68233	43.765	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	114667	35.266	ug/l	97
10) Methyl Iodide	4.30	142	136180	38.991	ug/l	99
11) Tert butyl alcohol	5.18	59	55017	309.412	ug/l #	70
12) 1,1-Dichloroethene	4.06	96	112255	36.263	ug/l	98
13) Acrolein	3.93	56	40340	162.788	ug/l	99
14) Allyl chloride	4.71	41	198493	41.127	ug/l	100
15) Acrylonitrile	5.43	53	156426	240.878	ug/l	98
16) Acetone	4.17	43	212433	338.473	ug/l	92
17) Carbon Disulfide	4.40	76	330126	32.982	ug/l	99
18) Methyl Acetate	4.73	43	93323	53.427	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	325530	47.345	ug/l	95
20) Methylene Chloride	4.96	84	151713	47.575	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	140053	39.727	ug/l	98
22) Diisopropyl ether	6.37	45	446946	46.428	ug/l	99
23) Vinyl Acetate	6.31	43	1203657	220.418	ug/l	99
24) 1,1-Dichloroethane	6.27	63	252954	43.770	ug/l	99
25) 2-Butanone	7.22	43	227185	266.389	ug/l	94
26) 2,2-Dichloropropane	7.21	77	241537	44.952	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	160803	42.264	ug/l	94
28) Bromochloromethane	7.55	49	121146	53.926	ug/l	100
29) Tetrahydrofuran	7.57	42	126842	239.164	ug/l	97
30) Chloroform	7.71	83	267864	44.178	ug/l	97
31) Cyclohexane	7.98	56	190726	32.969	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	231928	40.724	ug/l	99
36) 1,1-Dichloropropene	8.11	75	179517	35.655	ug/l	98
37) Ethyl Acetate	7.30	43	90475	45.742	ug/l	98
38) Carbon Tetrachloride	8.10	117	205327	38.245	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	183629	30.112	ug/l	98
40) Benzene	8.36	78	559944	40.739	ug/l	97
41) Methacrylonitrile	7.53	41	51730	45.076	ug/l	89
42) 1,2-Dichloroethane	8.43	62	183492	46.198	ug/l	100
43) Isopropyl Acetate	8.46	43	180204	45.772	ug/l	99
44) Trichloroethene	9.11	130	148823	36.858	ug/l	94
45) 1,2-Dichloropropane	9.39	63	143960	43.867	ug/l	99
46) Dibromomethane	9.48	93	81408	44.493	ug/l	99
47) Bromodichloromethane	9.67	83	215151	44.191	ug/l	99
48) Methyl methacrylate	9.46	41	83486	45.036	ug/l	92
49) 1,4-Dioxane	9.47	88	27804	1317.888	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	451455	231.996	ug/l	99
52) Toluene	10.41	92	363050	40.260	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	205683	45.313	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	235303	43.963	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	110131	44.663	ug/l	93
56) Ethyl methacrylate	10.66	69	138346	44.925	ug/l	97
57) 1,3-Dichloropropane	10.95	76	191658	45.143	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	277643	236.644	ug/l	99
59) 2-Hexanone	10.99	43	328643	248.828	ug/l	99
60) Dibromochloromethane	11.14	129	149331	43.794	ug/l	98
61) 1,2-Dibromoethane	11.25	107	104777	43.082	ug/l	99
64) Tetrachloroethene	10.88	164	118138	33.201	ug/l	95
65) Chlorobenzene	11.67	112	381551	39.636	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	152918	42.138	ug/l	99
67) Ethyl Benzene	11.75	91	650925	37.254	ug/l	98
68) m/p-Xylenes	11.86	106	493807	73.222	ug/l	96
69) o-Xylene	12.18	106	230415	37.826	ug/l	98
70) Styrene	12.20	104	425288	39.775	ug/l	99
71) Bromoform	12.37	173	91526	44.226	ug/l #	96
73) Isopropylbenzene	12.48	105	587062	36.135	ug/l	100
74) N-amyl acetate	12.30	43	153732	44.266	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	118185	46.308	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	74770m	41.649	ug/l	
77) Bromobenzene	12.77	156	160548	40.217	ug/l	96
78) n-propylbenzene	12.83	91	667538	35.220	ug/l	99
79) 2-Chlorotoluene	12.91	91	393592	37.802	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	475342	35.617	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	39748	46.306	ug/l	98
82) 4-Chlorotoluene	13.01	91	419251	37.837	ug/l	99
83) tert-Butylbenzene	13.23	119	401560	34.655	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	491227	36.958	ug/l	97
85) sec-Butylbenzene	13.41	105	529927	33.359	ug/l	100
86) p-Isopropyltoluene	13.53	119	512291	33.726	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	285048	37.457	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	279434	37.378	ug/l	99
89) n-Butylbenzene	13.85	91	445352	32.558	ug/l	99
90) Hexachloroethane	14.12	117	101535	34.993	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	250169	38.552	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	18410	44.497	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	162521	34.014	ug/l	99
94) Hexachlorobutadiene	15.28	225	95943	31.910	ug/l	99
95) Naphthalene	15.41	128	295253	39.060	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	141303	34.641	ug/l	99

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

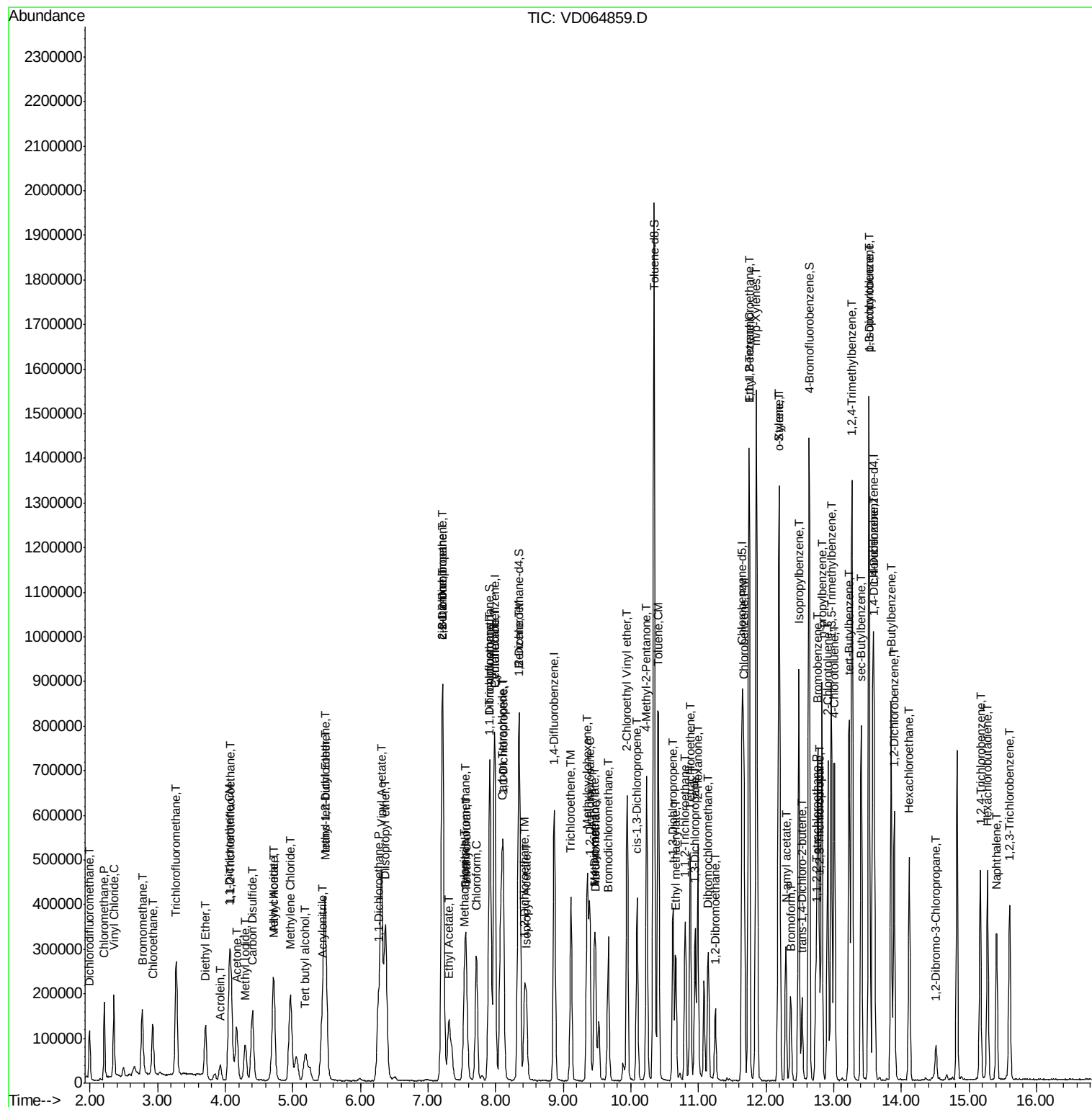
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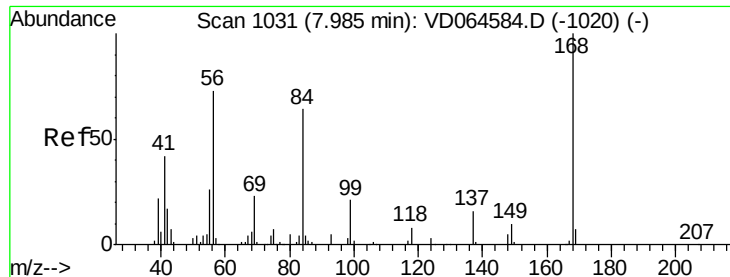
Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion:168 Resp: 351854

Ion Ratio Lower Upper

168 100

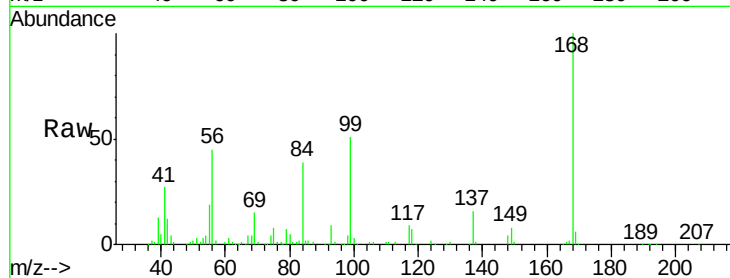
99 50.7 41.8 62.6

Manual Integrations

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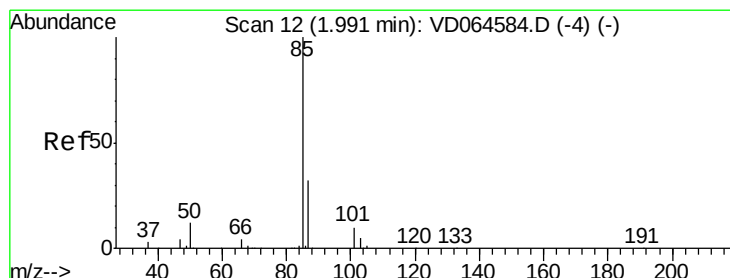
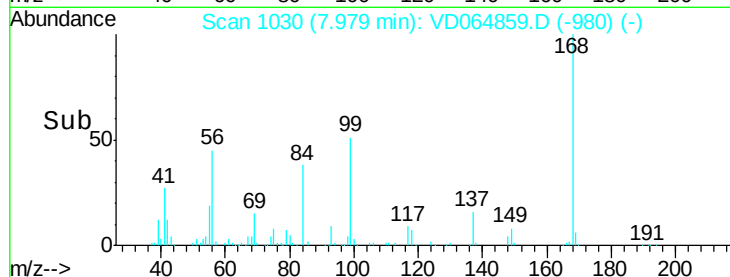
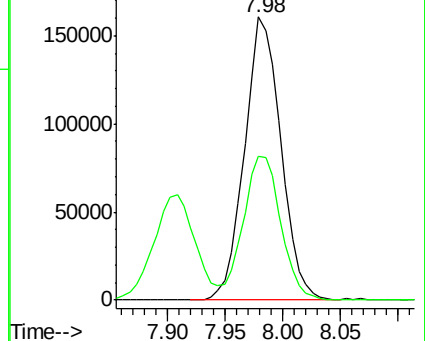
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 31.338 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064859.D

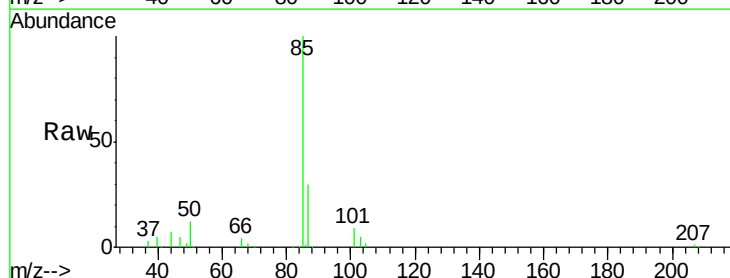
Acq: 17 Jan 2020 13:23

Tgt Ion: 85 Resp: 85692

Ion Ratio Lower Upper

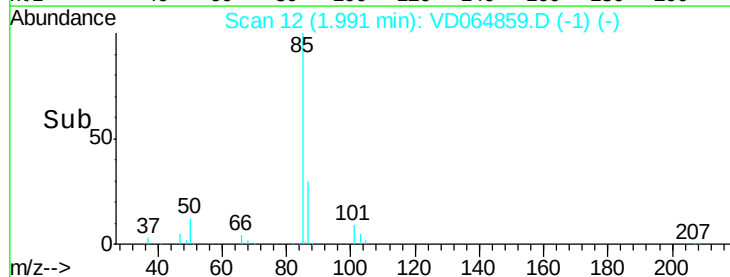
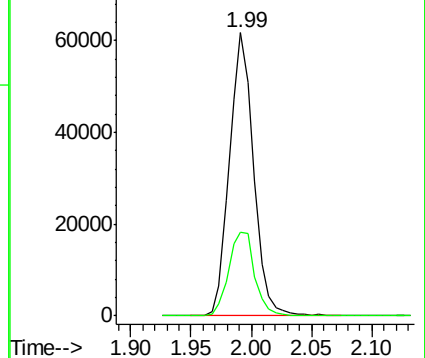
85 100

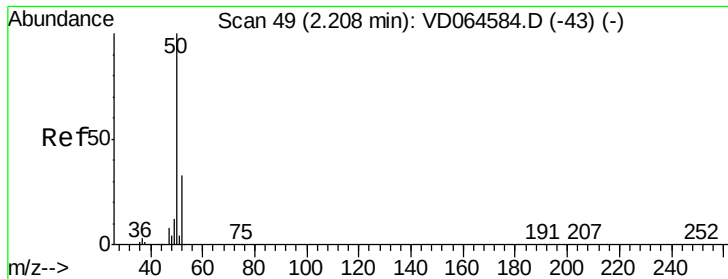
87 29.7 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 35.320 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion: 50 Resp: 135072

Ion Ratio Lower Upper

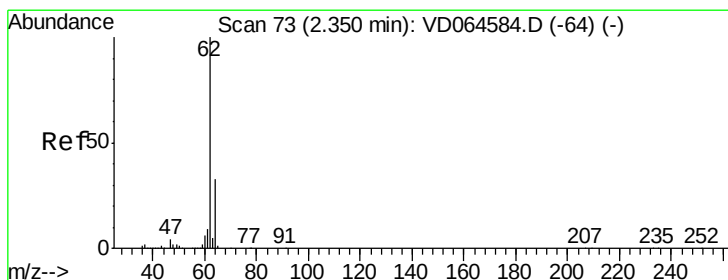
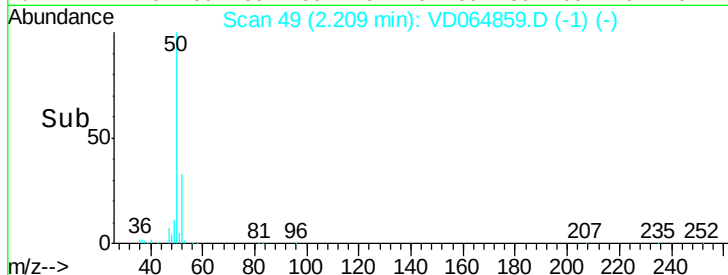
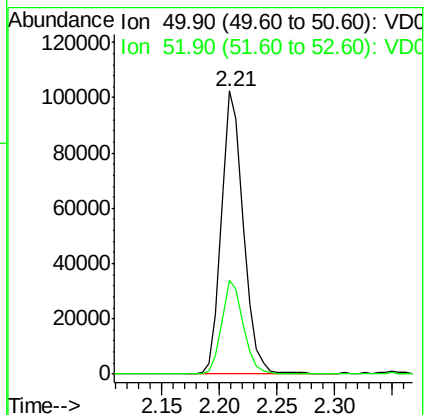
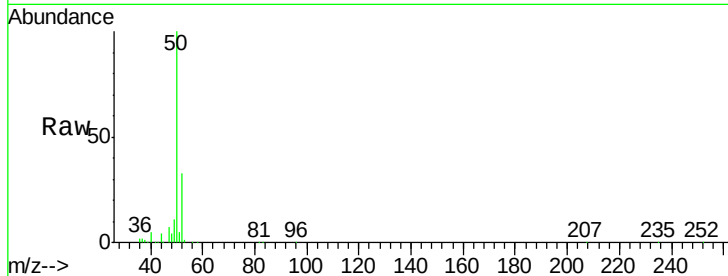
50 100

52 33.4 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 33.688 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064859.D

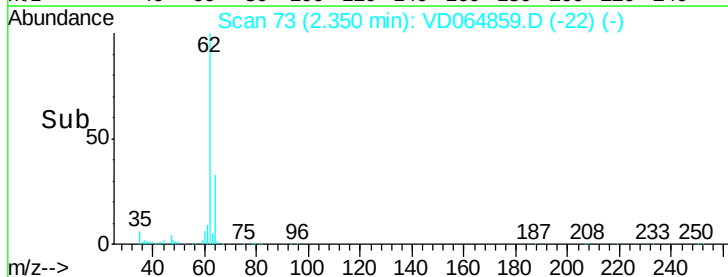
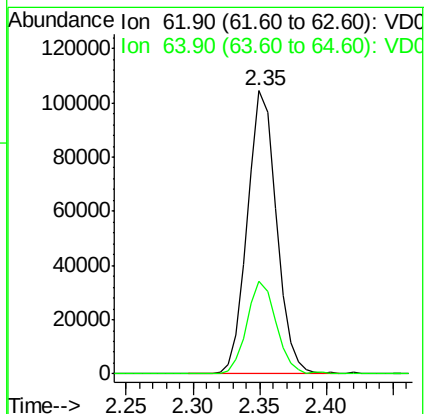
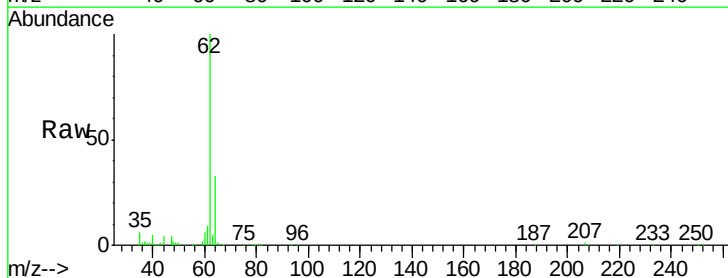
Acq: 17 Jan 2020 13:23

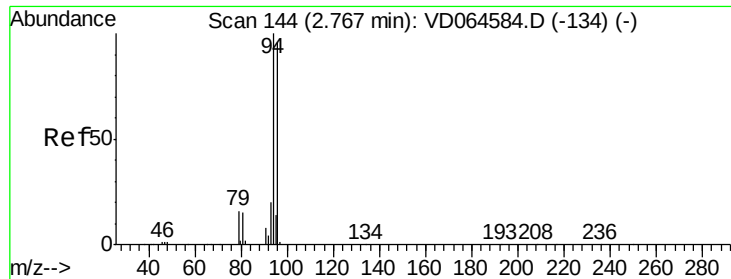
Tgt Ion: 62 Resp: 157082

Ion Ratio Lower Upper

62 100

64 32.9 26.6 40.0





#5

Bromomethane

Concen: 35.008 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 94 Resp: 118688

Ion Ratio Lower Upper

94 100

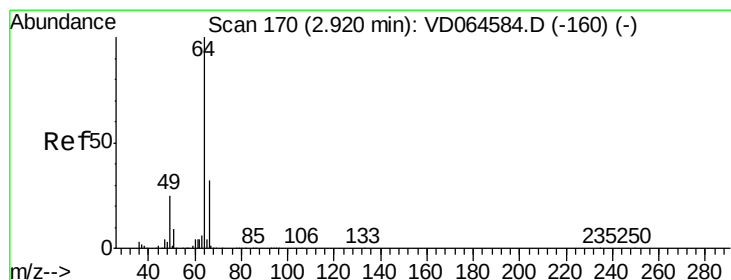
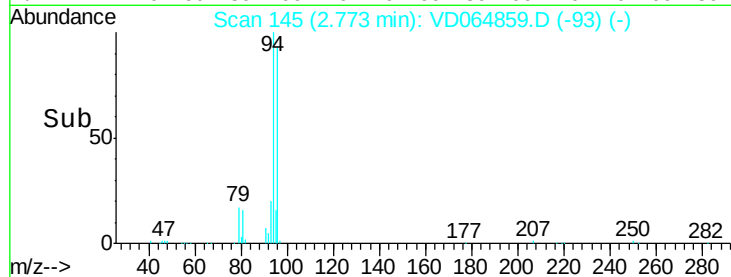
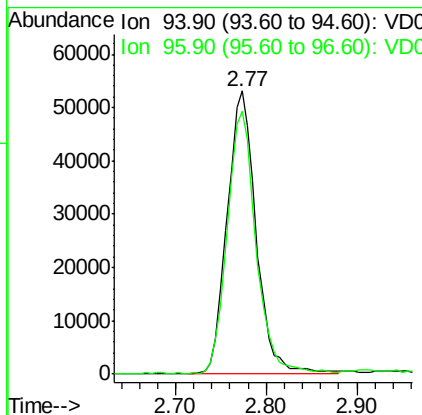
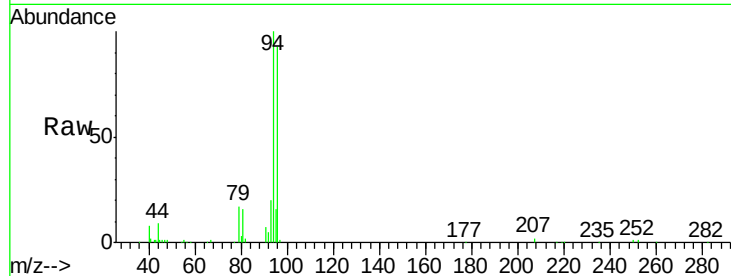
96 93.0 77.2 115.8

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#6

Chloroethane

Concen: 36.070 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064859.D

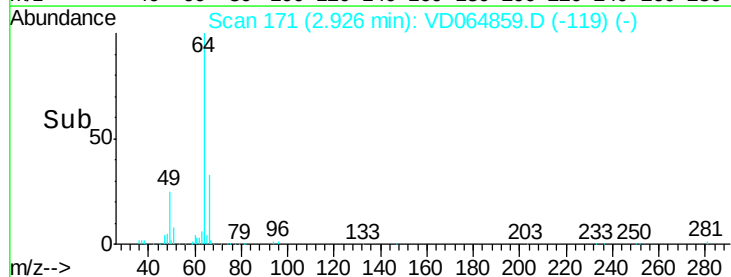
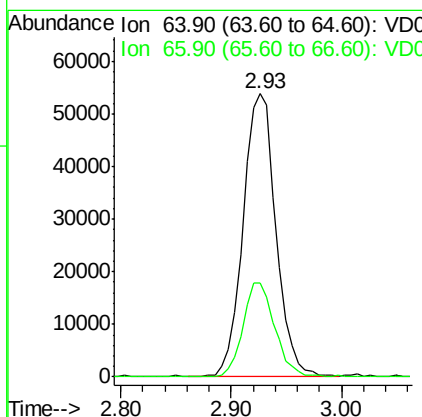
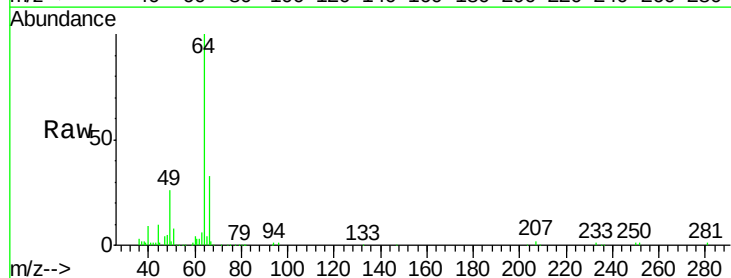
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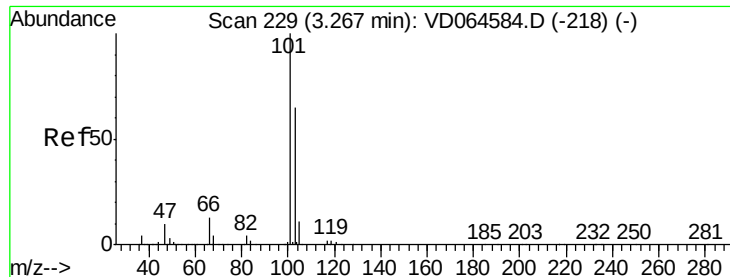
Tgt Ion: 64 Resp: 112695

Ion Ratio Lower Upper

64 100

66 33.4 25.9 38.9





#7

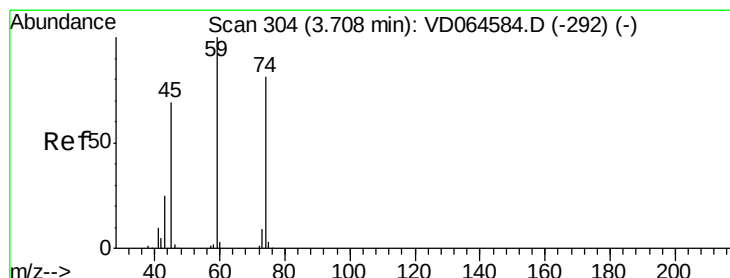
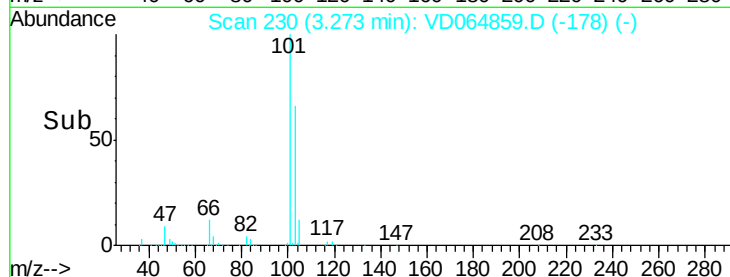
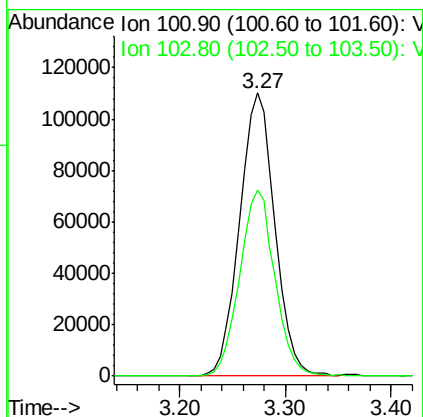
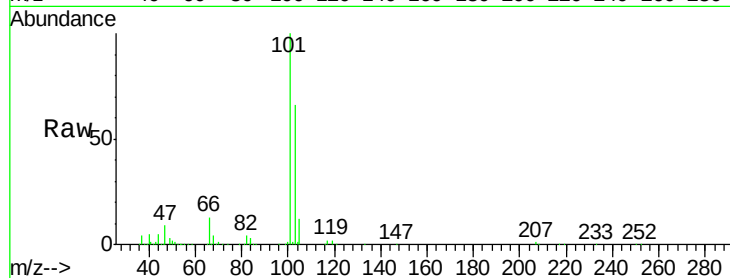
Trichlorofluoromethane
 Concen: 32.493 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064859.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.8	52.2	78.4

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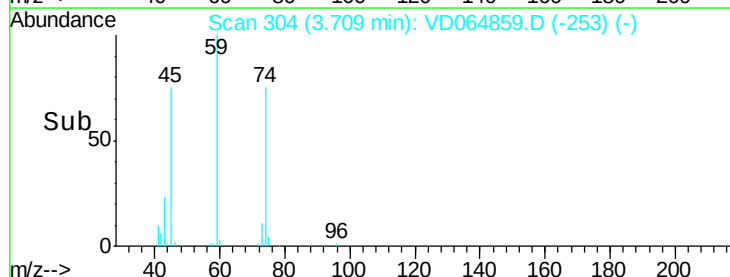
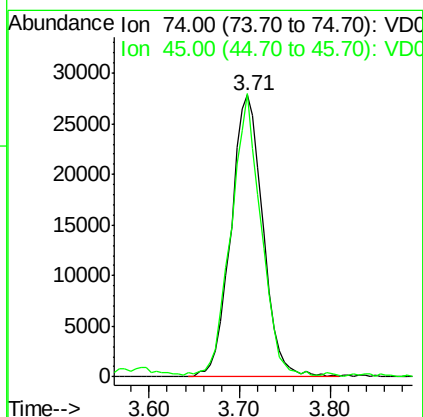
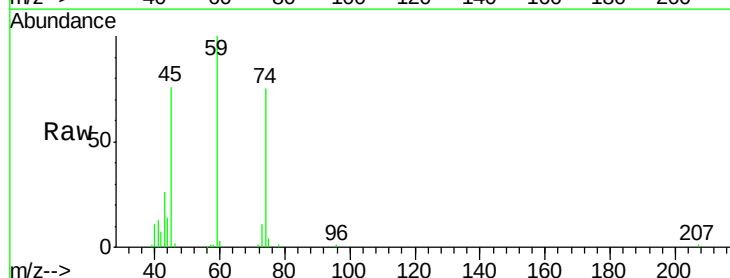
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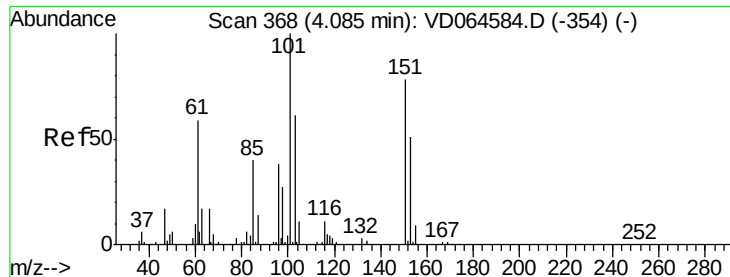


#8

Diethyl Ether
 Concen: 43.765 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 35.266 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

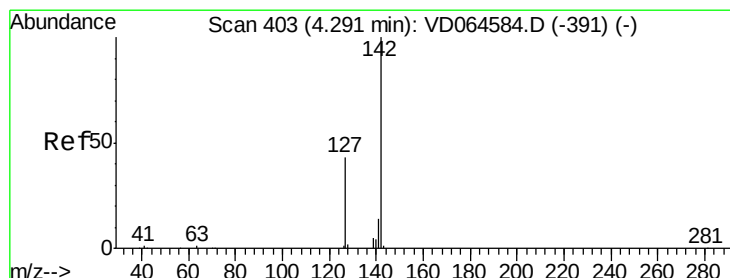
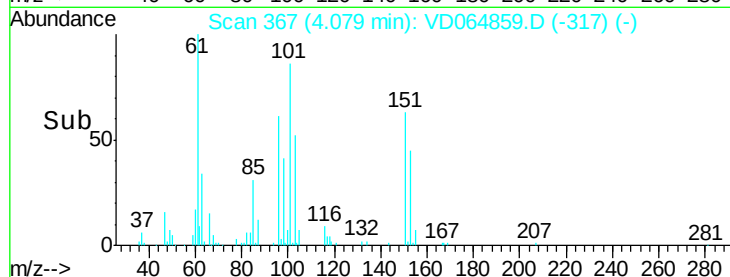
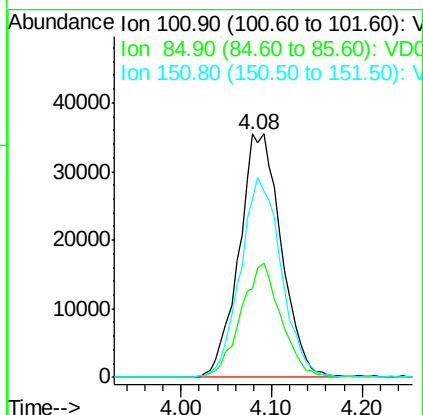
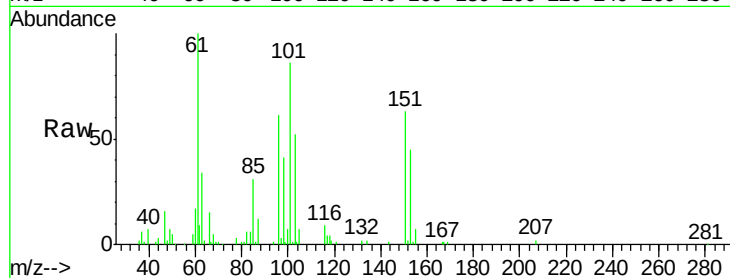
ClientSampleId :

EP-3MS

Tot Ion:	101	Resp:	114667
Ion Ratio	Lower	Upper	
101	100		
85	44.6	35.2	52.8
151	79.6	66.2	99.4

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#10

Methyl Iodide

Concen: 38.991 ug/l

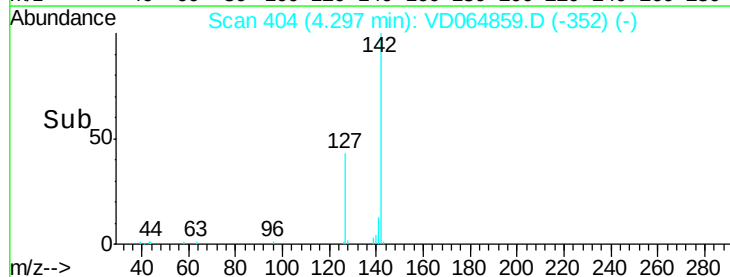
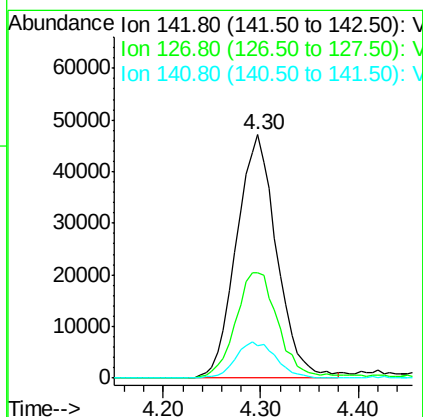
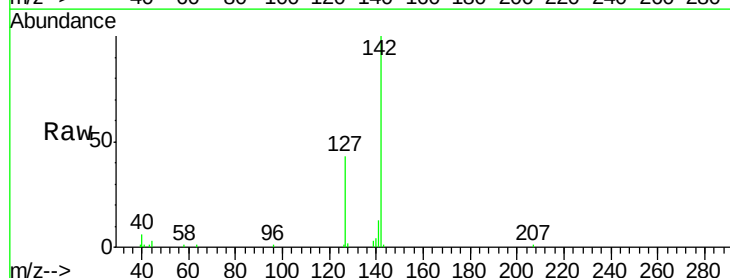
RT: 4.30 min Scan# 404

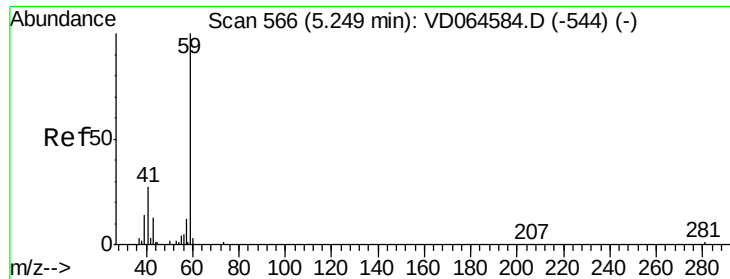
Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	142	Resp:	136180
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.2	54.4
141	14.9	11.8	17.8





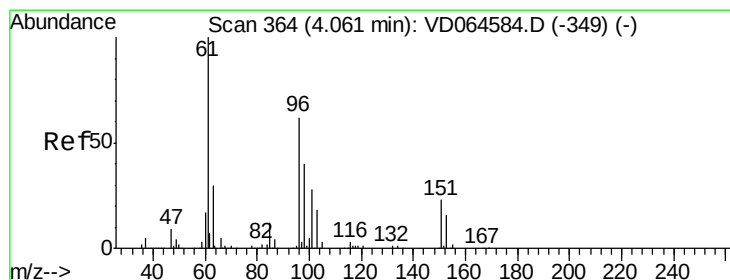
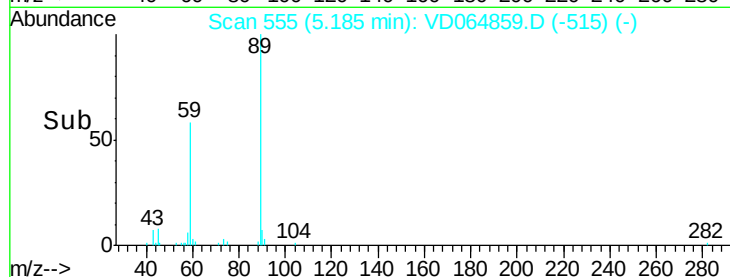
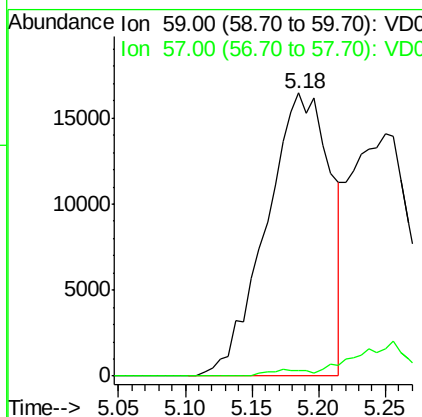
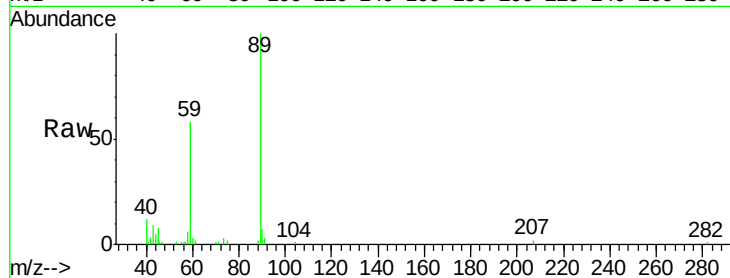
#11
Tert butyl alcohol
Concen: 309.412 ug/l
RT: 5.18 min Scan# 555
Delta R.T. -0.06 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion: 59 Resp: 55017
Ion Ratio Lower Upper
59 100
57 0.0 9.3 13.9#

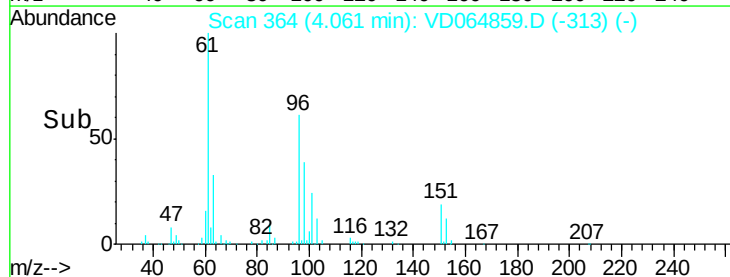
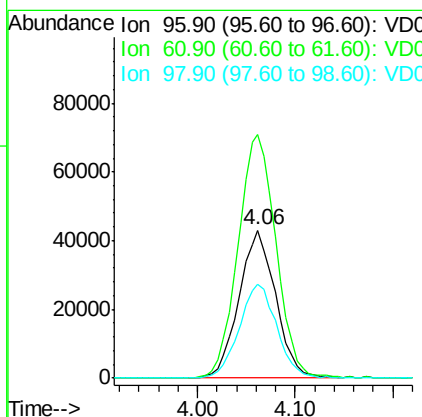
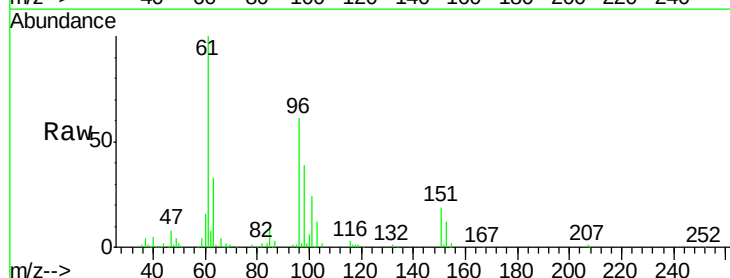
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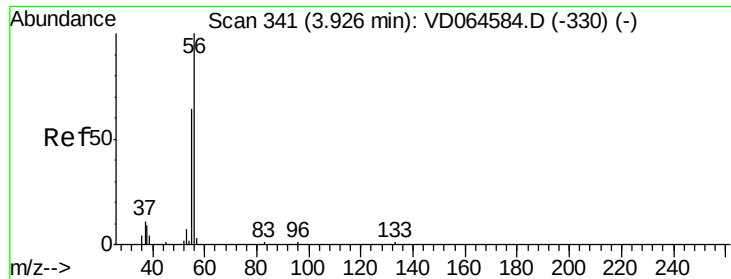
MMDadoda
1/20/2020 11:14:14 AM



#12
1,1-Dichloroethene
Concen: 36.263 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 96 Resp: 112255
Ion Ratio Lower Upper
96 100
61 164.4 129.4 194.0
98 63.6 51.4 77.0





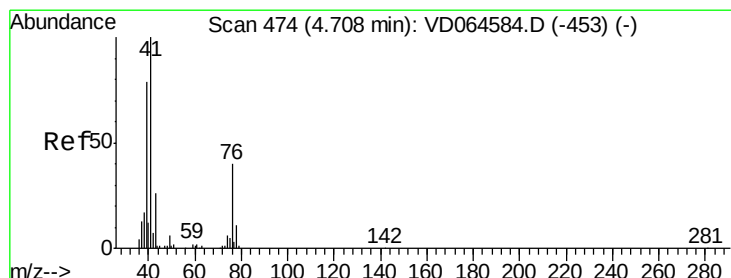
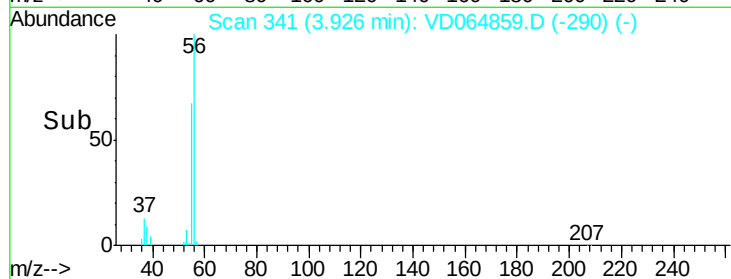
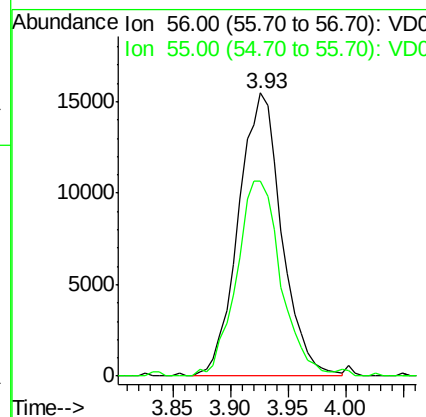
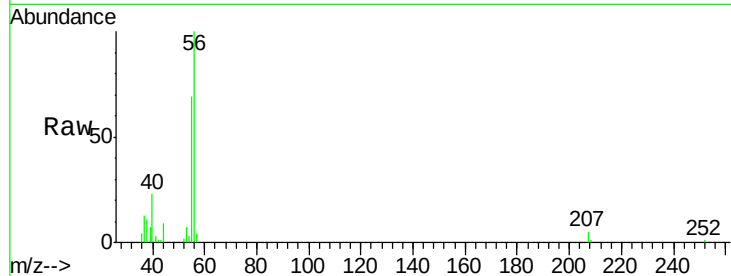
#13
Acrolein
Concen: 162.788 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion	56	Resp	40340
Ion Ratio	100	Lower	Upper
55	70.2	56.7	85.1

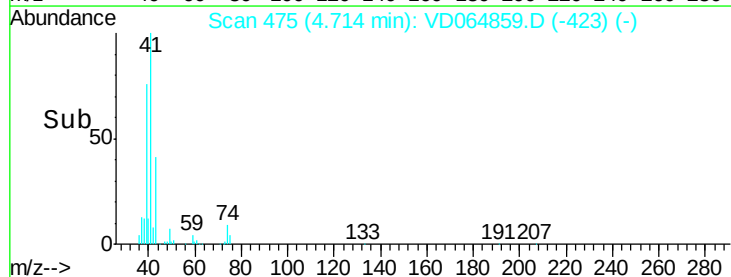
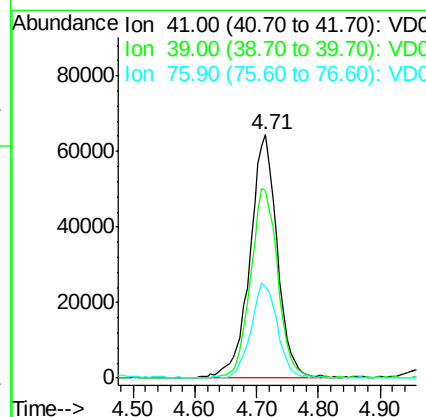
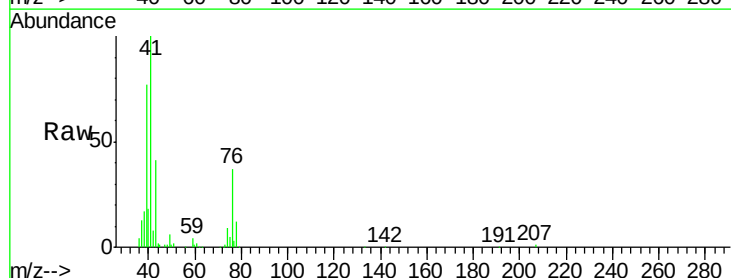
Manual Integrations
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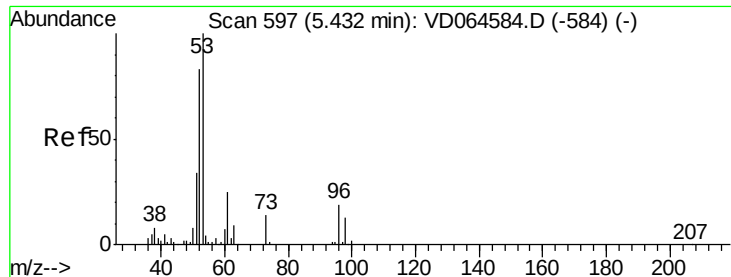
MMDadoda
1/20/2020 11:14:14 AM



#14
Allyl chloride
Concen: 41.127 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	41	Resp	198493
Ion Ratio	100	Lower	Upper
39	77.6	62.3	93.5
76	36.8	29.7	44.5





#15

Acrylonitrile

Concen: 240.878 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

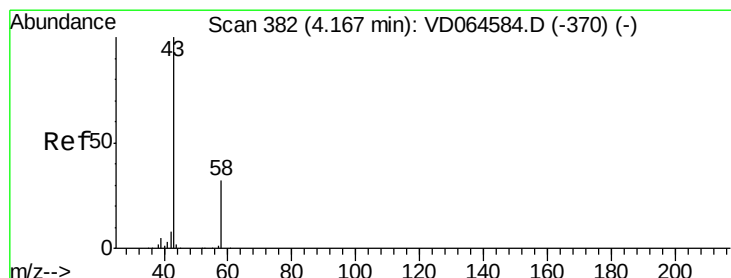
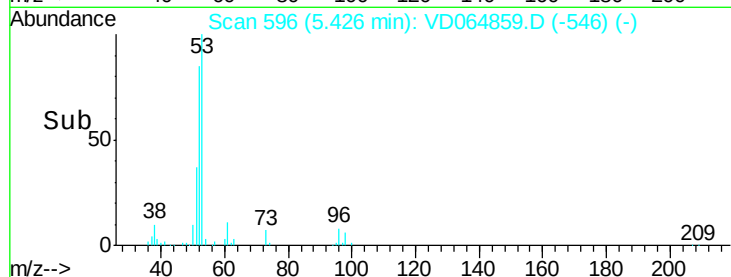
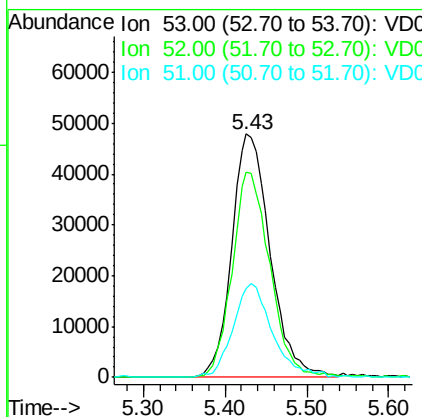
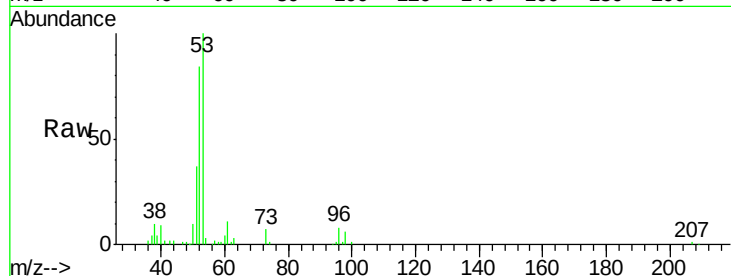
ClientSampleId :

EP-3MS

Tot Ion:	53	Resp:	156426
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.2	99.2
51	39.7	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 338.473 ug/l

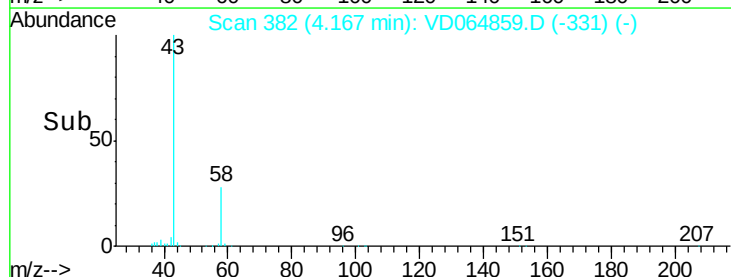
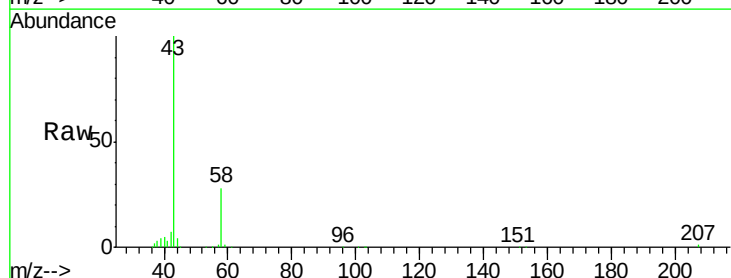
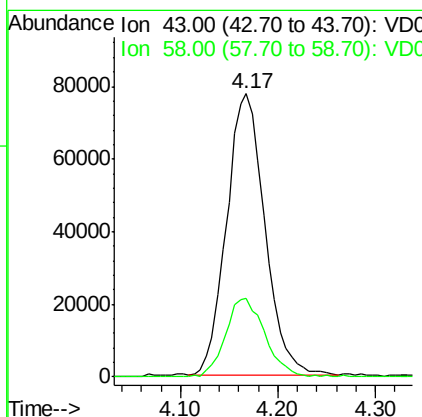
RT: 4.17 min Scan# 382

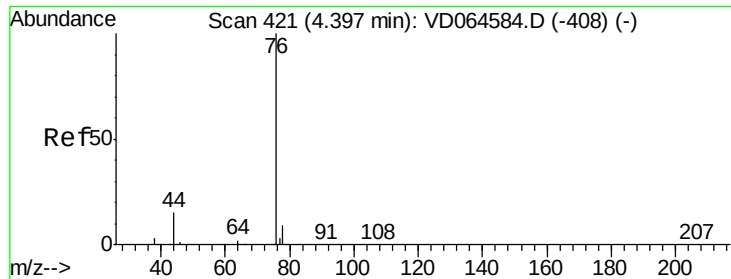
Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	43	Resp:	212433
Ion	Ratio	Lower	Upper
43	100		
58	27.8	25.8	38.6





#17

Carbon Disulfide

Concen: 32.982 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion: 76 Resp: 330126

Ion Ratio Lower Upper

76 100

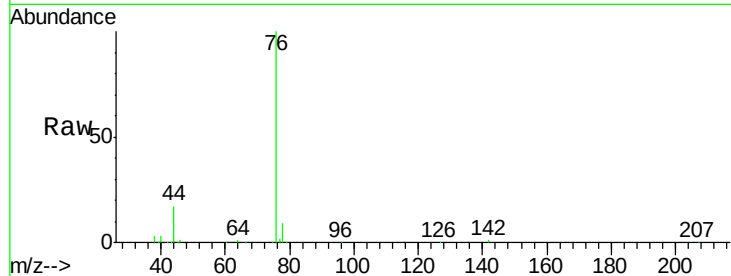
78 9.4 7.3 10.9

Manual Integrations

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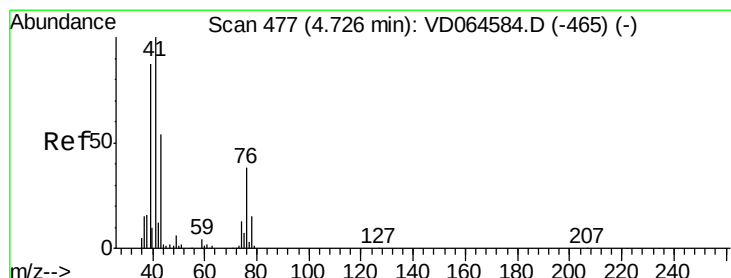
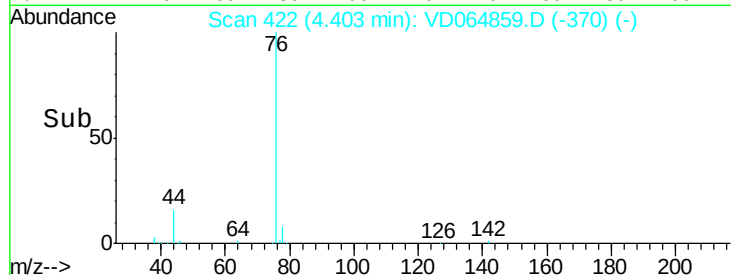
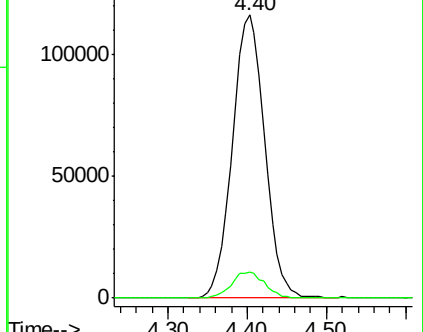
MMDadoda

1/20/2020 11:14:14 AM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 53.427 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064859.D

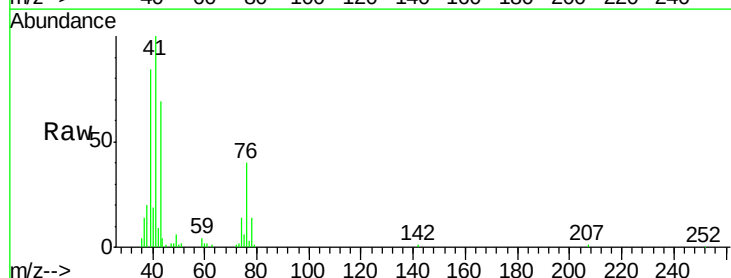
Acq: 17 Jan 2020 13:23

Tgt Ion: 43 Resp: 93323

Ion Ratio Lower Upper

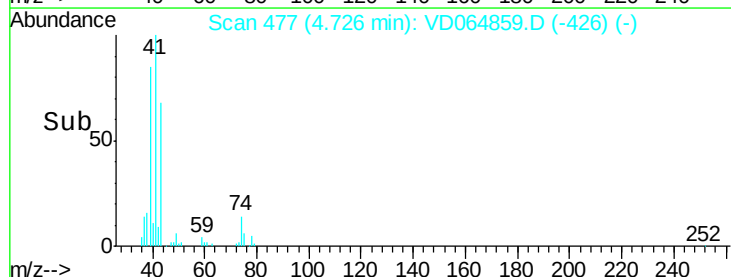
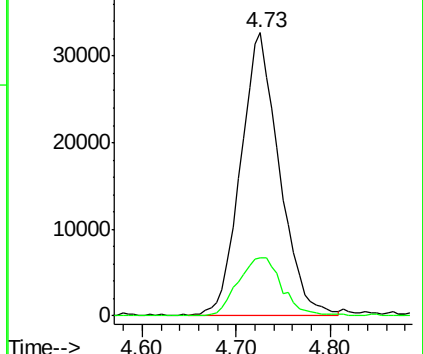
43 100

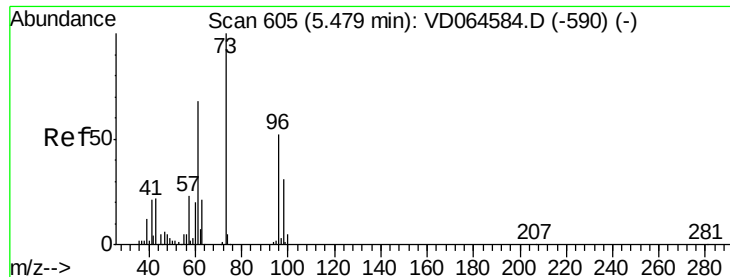
74 23.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





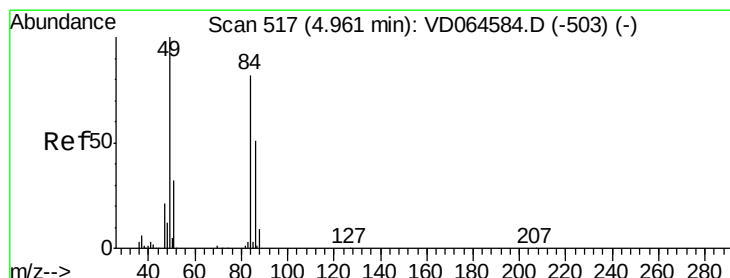
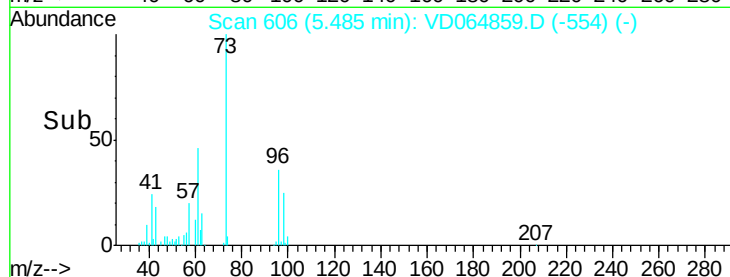
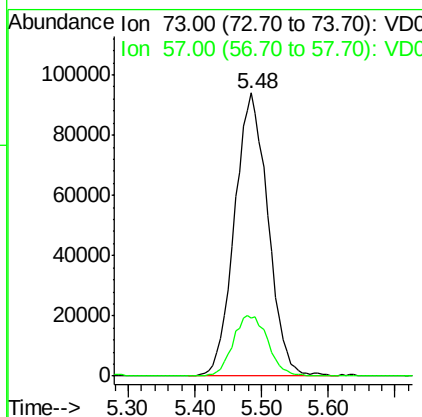
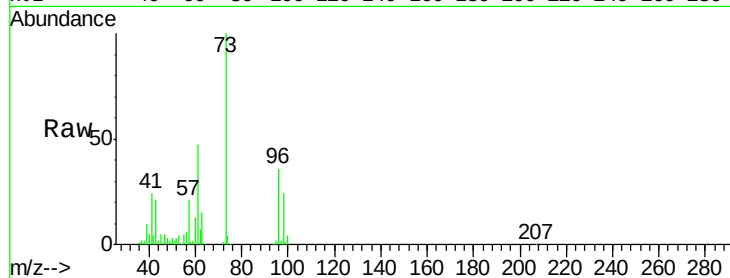
#19
Methyl tert-butyl Ether
Concen: 47.345 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion: 73 Resp: 325530
Ion Ratio Lower Upper
73 100
57 20.7 18.6 27.8

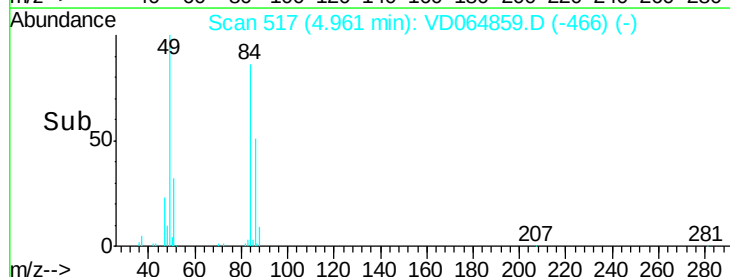
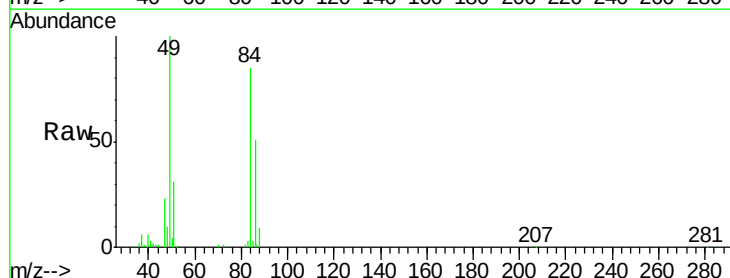
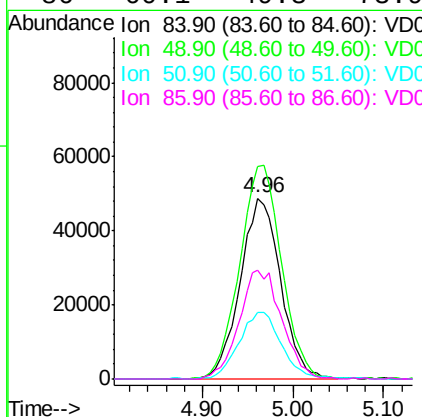
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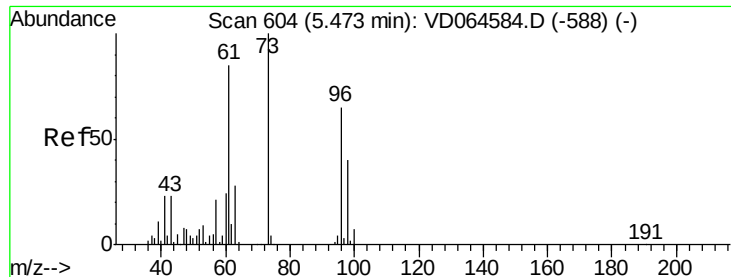
MMDadoda
1/20/2020 11:14:14 AM



#20
Methylene Chloride
Concen: 47.575 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 84 Resp: 151713
Ion Ratio Lower Upper
84 100
49 117.3 97.2 145.8
51 36.9 31.4 47.0
86 60.1 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 39.727 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 96 Resp: 140053

Ion Ratio Lower Upper

96 100

61 133.6 104.7 157.1

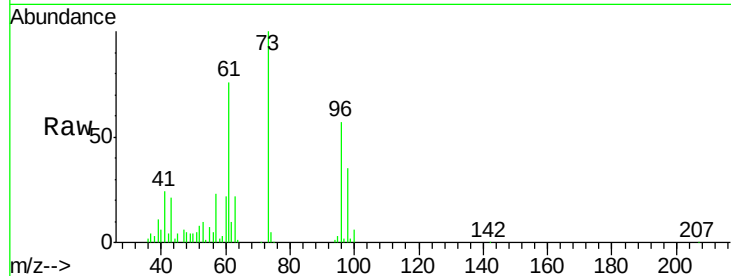
98 61.2 49.4 74.2

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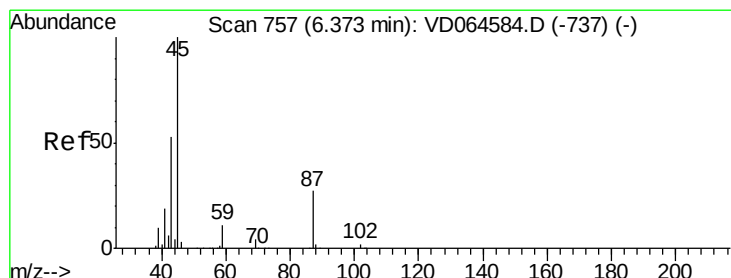
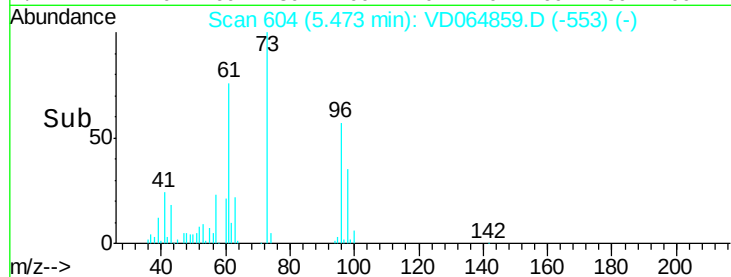
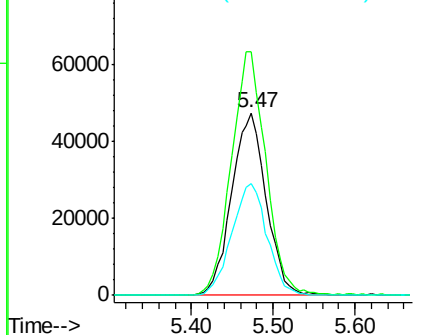


Abundance

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: 46.428 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion: 45 Resp: 446946

Ion Ratio Lower Upper

45 100

43 53.2 43.2 64.8

87 27.8 21.9 32.9

59 10.2 9.0 13.4

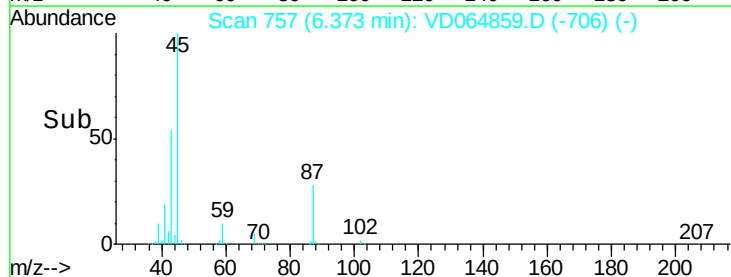
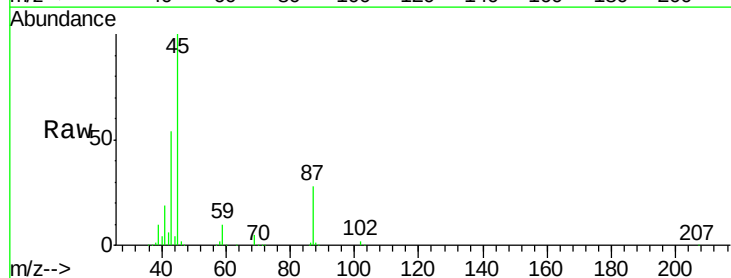
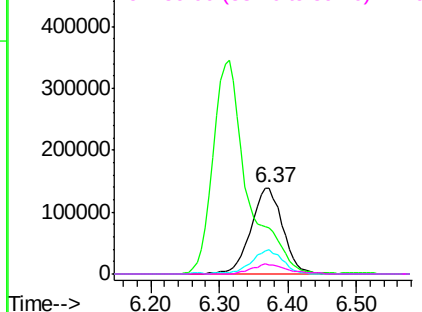
Abundance

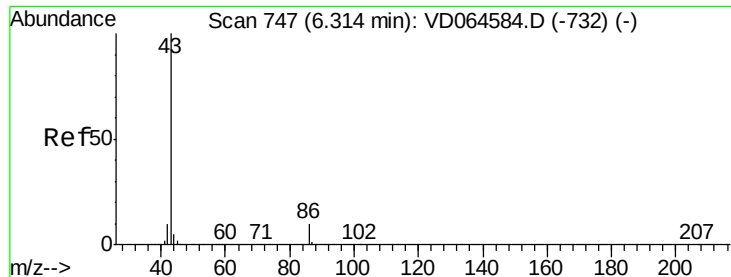
Ion 45.00 (44.70 to 45.70): VDC

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: 220.418 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 43 Resp: 1203657

Ion Ratio Lower Upper

43 100

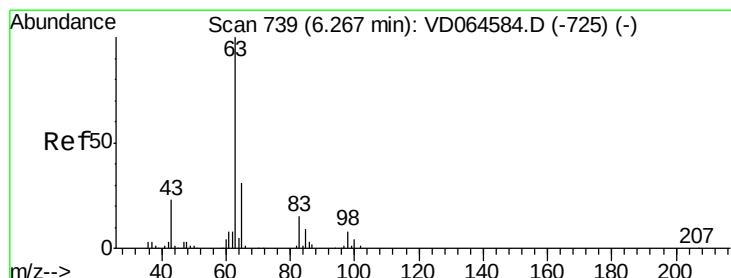
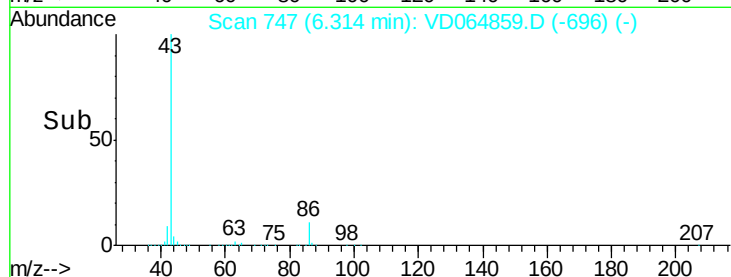
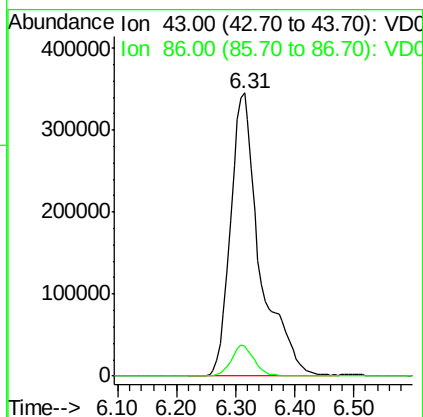
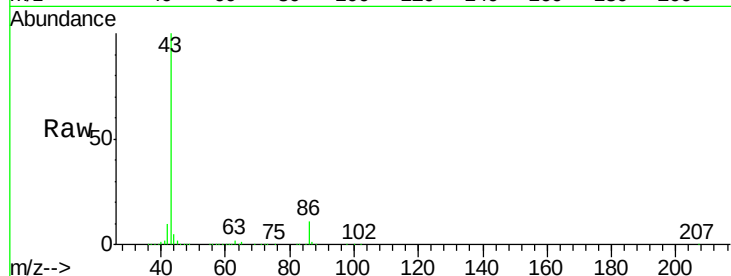
86 10.7 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 43.770 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

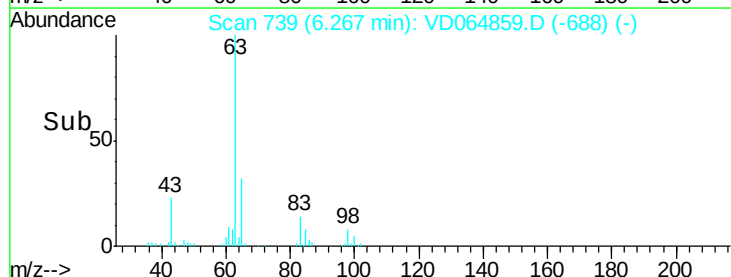
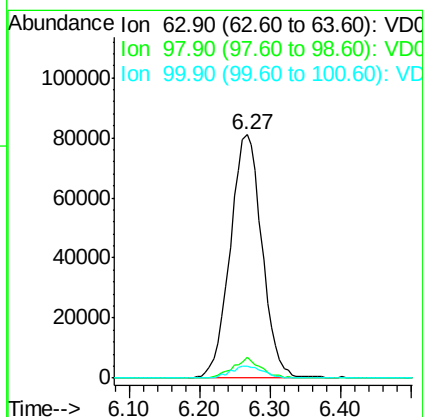
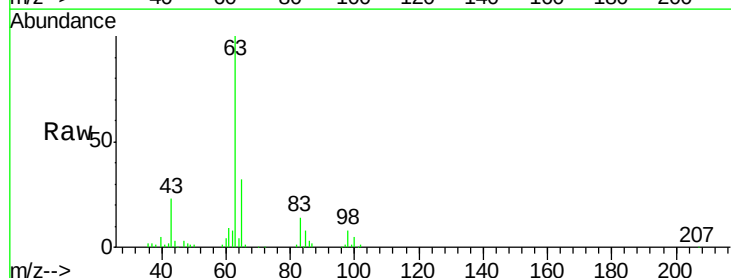
Tgt Ion: 63 Resp: 252954

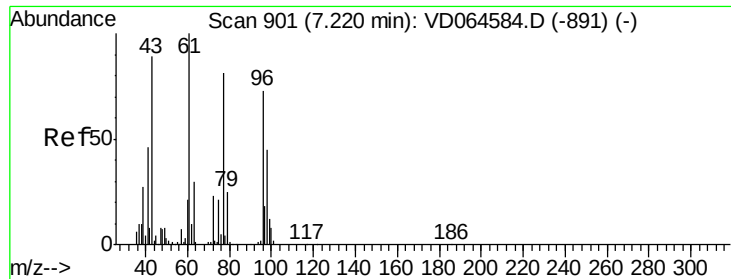
Ion Ratio Lower Upper

63 100

98 8.5 4.1 12.3

100 4.7 2.2 6.6





#25

2-Butanone

Concen: 266.389 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion: 43 Resp: 227185

Ion Ratio Lower Upper

43 100

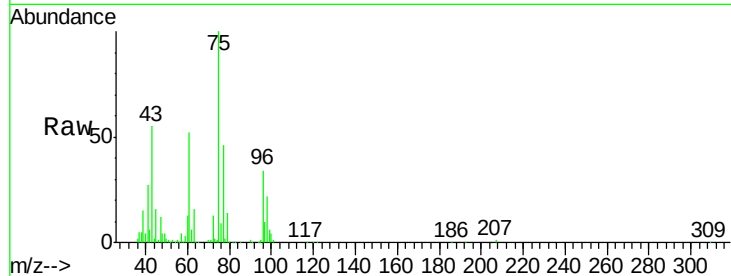
72 22.9 20.7 31.1

Manual Integrations

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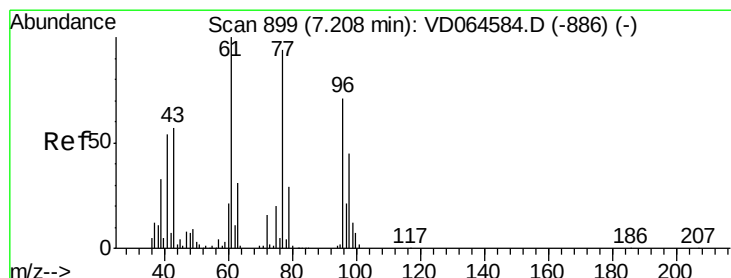
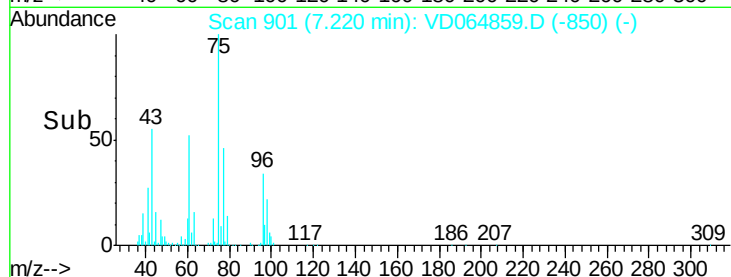
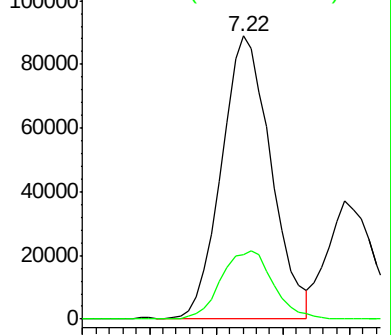
MMDadoda

1/20/2020 11:14:14 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 44.952 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064859.D

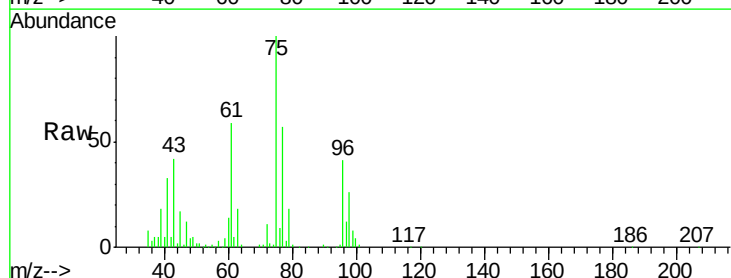
Acq: 17 Jan 2020 13:23

Tgt Ion: 77 Resp: 241537

Ion Ratio Lower Upper

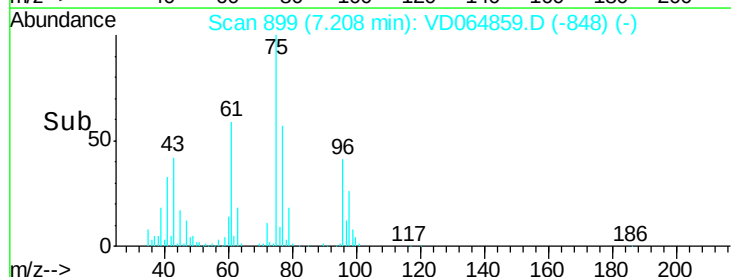
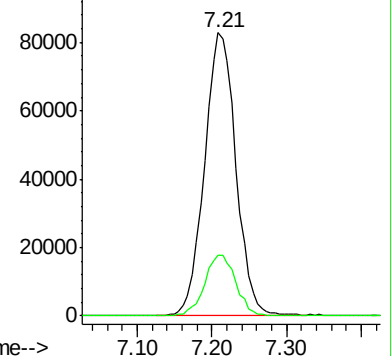
77 100

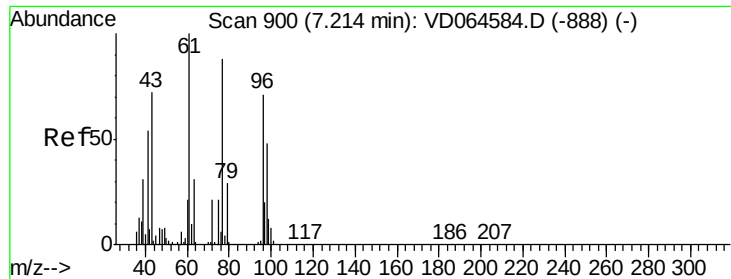
97 21.2 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

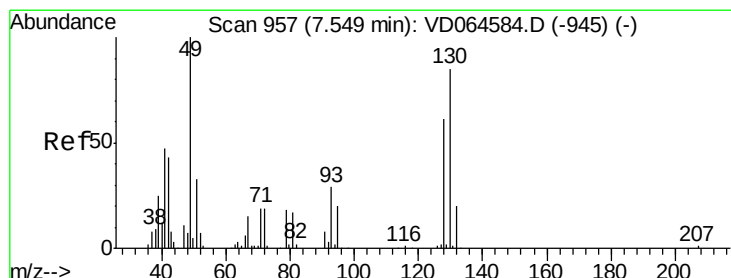
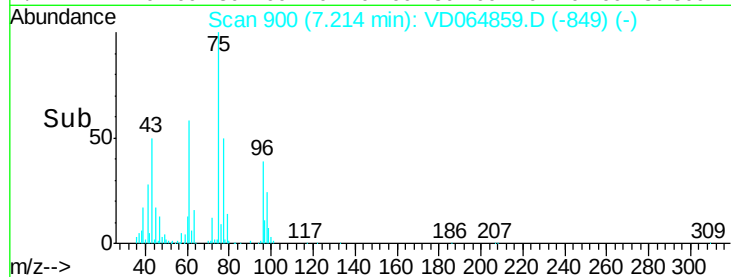
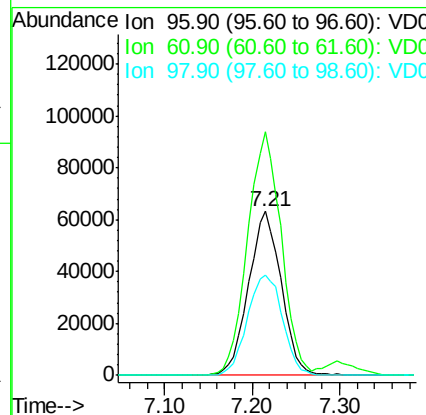
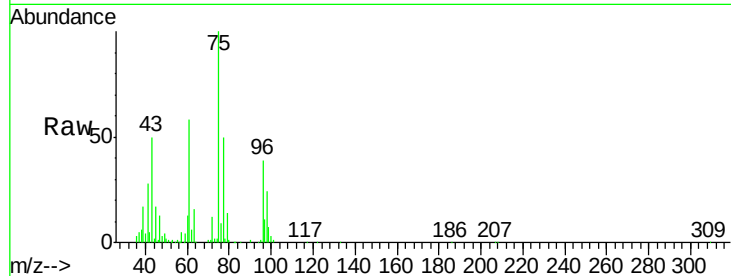
cis-1,2-Dichloroethene
 Concen: 42.264 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	160803		
61	152.1	0.0	282.6	
98	65.4	0.0	130.8	

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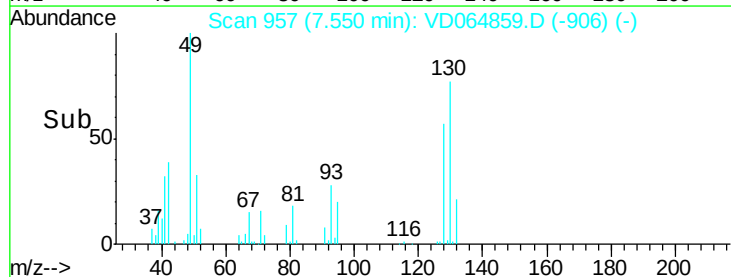
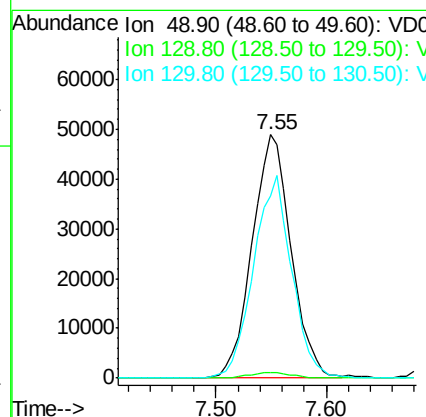
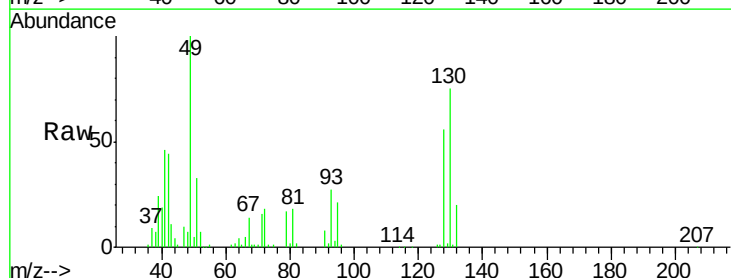
MMDadoda
 1/20/2020 11:14:14 AM

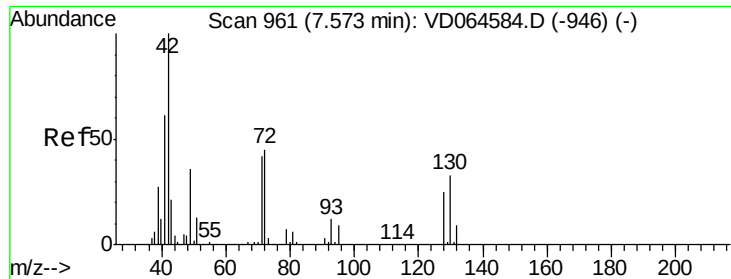


#28

Bromochloromethane
 Concen: 53.926 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	121146		
129	2.4	0.0	4.8	
130	81.5	65.0	97.6	





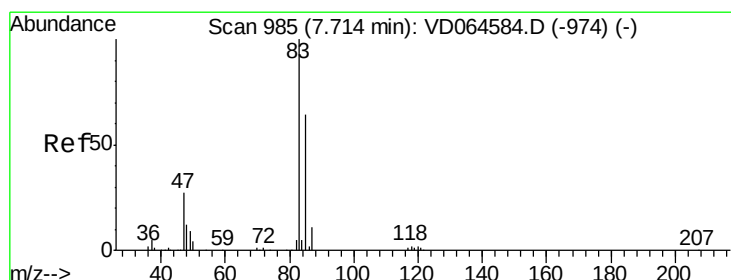
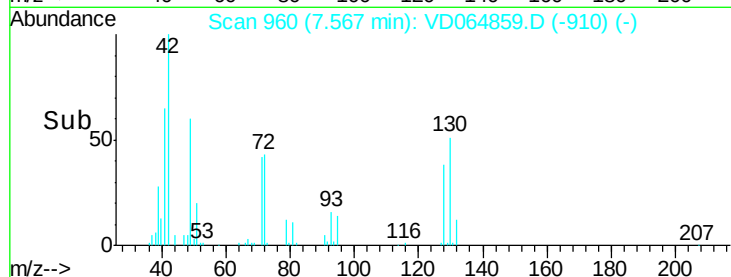
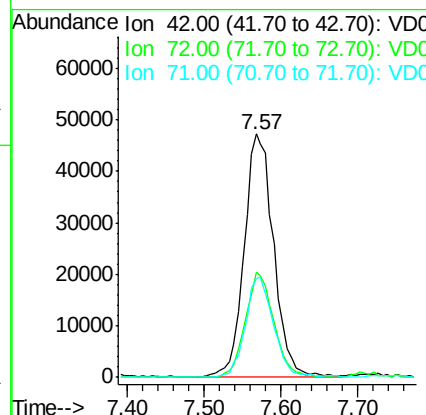
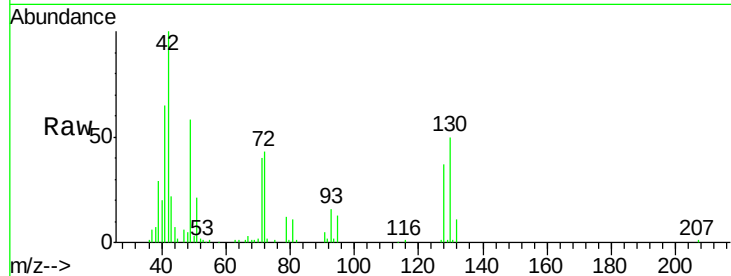
#29
Tetrahydrofuran
Concen: 239.164 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	35.0	52.4
71	39.5	32.9	49.3

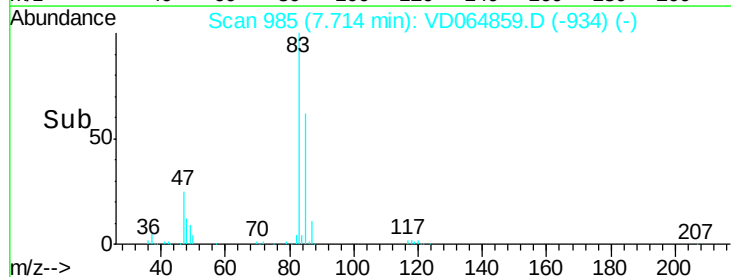
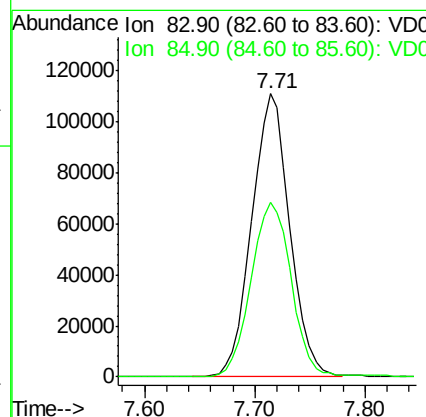
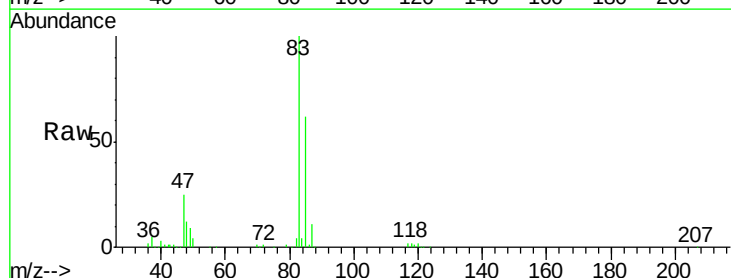
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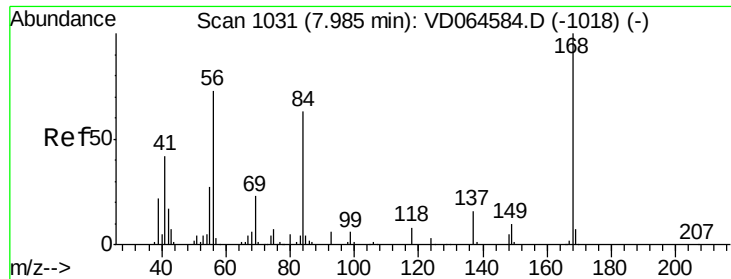
MMDadoda
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#30
Chloroform
Concen: 44.178 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	51.1	76.7





#31

Cyclohexane

Concen: 32.969 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

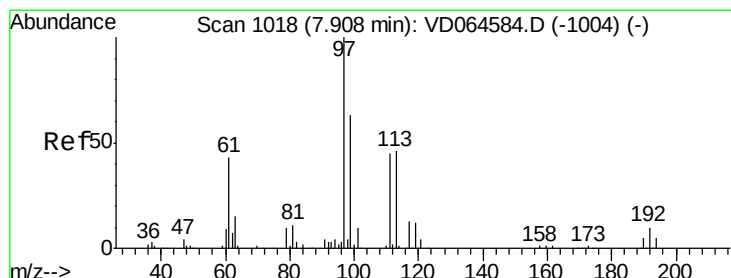
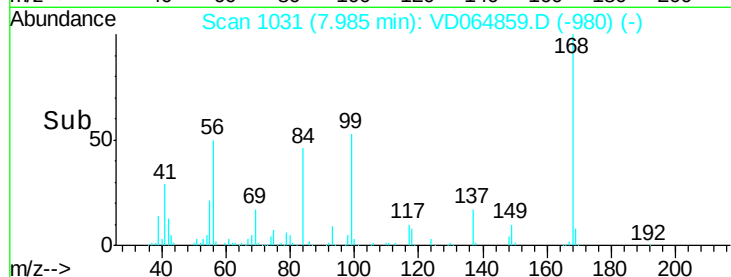
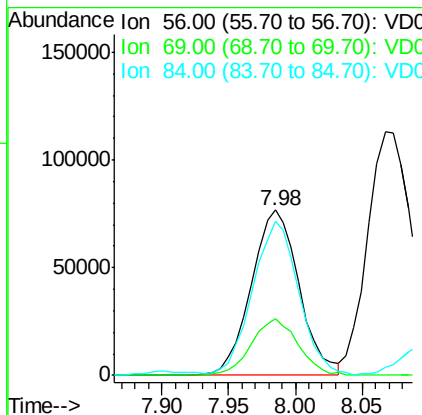
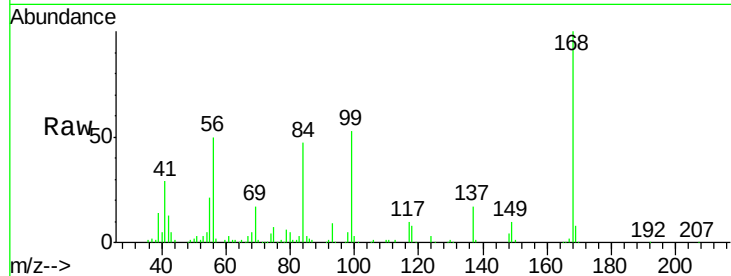
ClientSampled :

EP-3MS

Tot Ion:	56	Resp:	190726
Ion Ratio	Lower	Upper	
56	100		
69	34.3	24.7	37.1
84	91.6	69.4	104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 40.724 ug/l

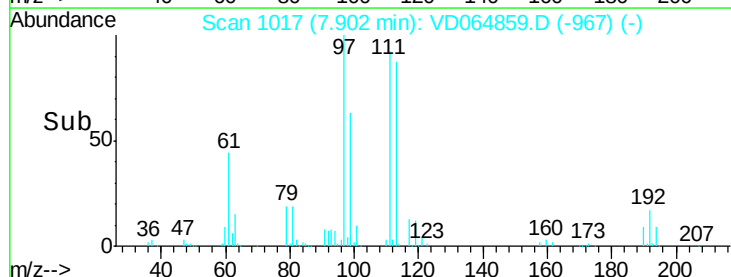
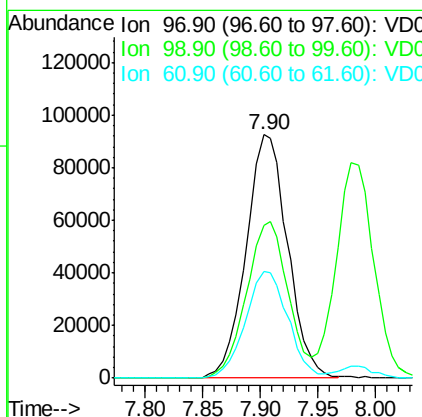
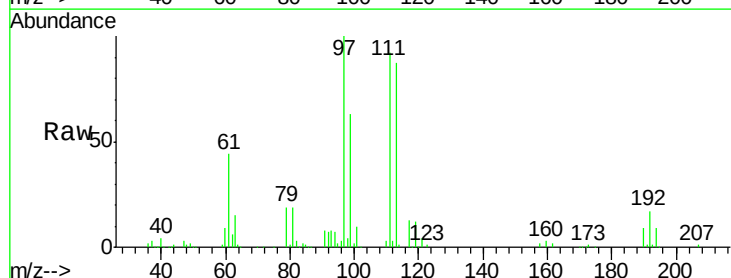
RT: 7.90 min Scan# 1017

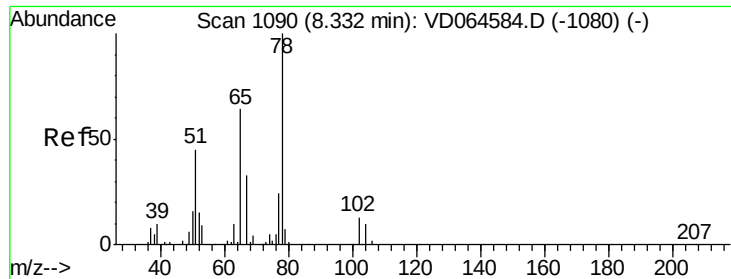
Delta R.T. -0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	97	Resp:	231928
Ion Ratio	Lower	Upper	
97	100		
99	64.7	51.0	76.6
61	44.8	35.4	53.0





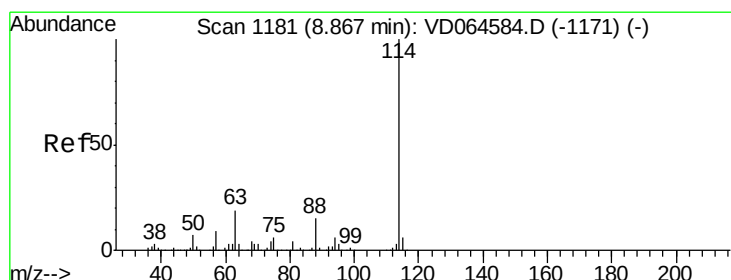
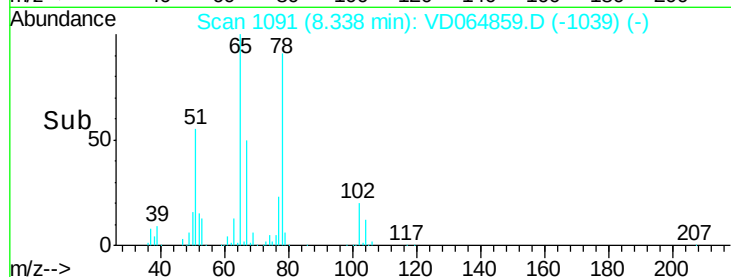
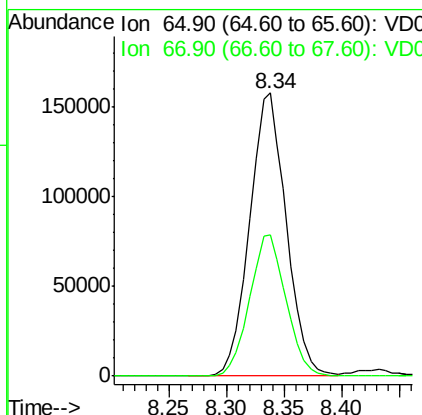
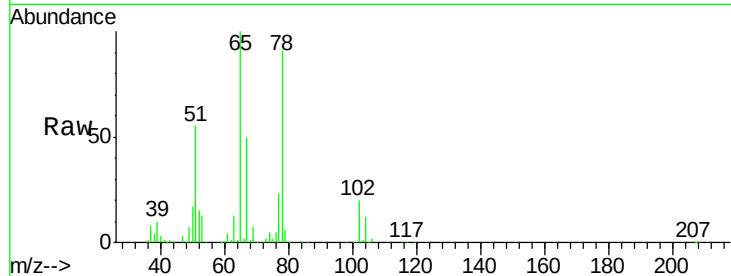
#33
 1,2-Dichloroethane-d4
 Concen: 112.444 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.1	0.0	106.2	

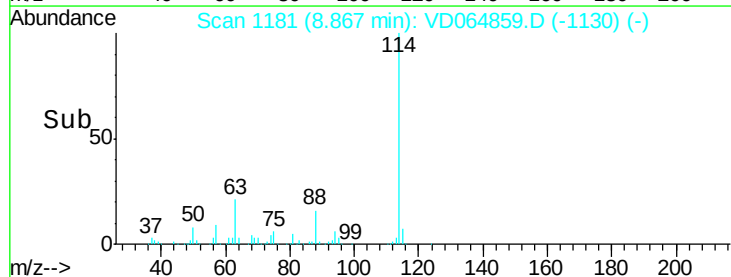
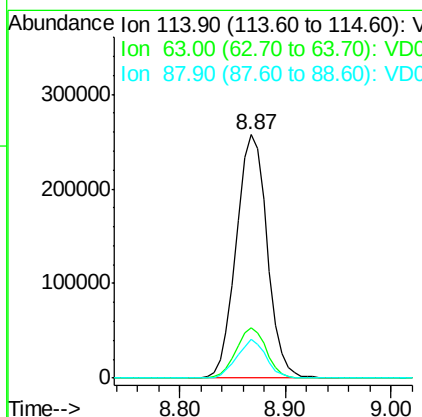
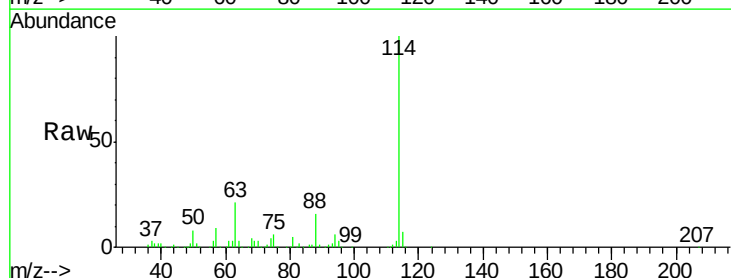
Manual Integrations
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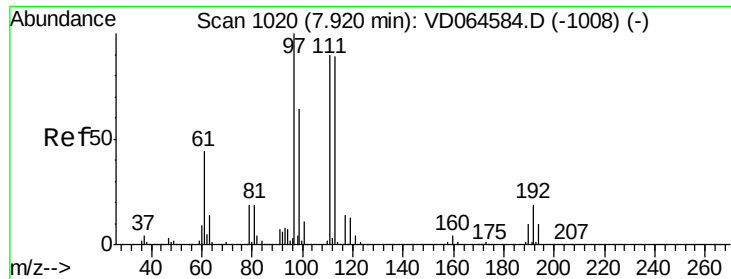
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.9	0.0	38.0	
88	15.8	0.0	29.2	





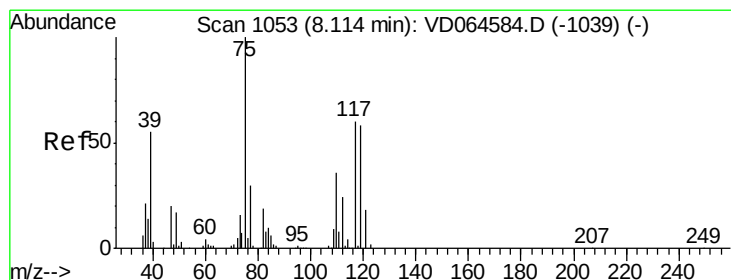
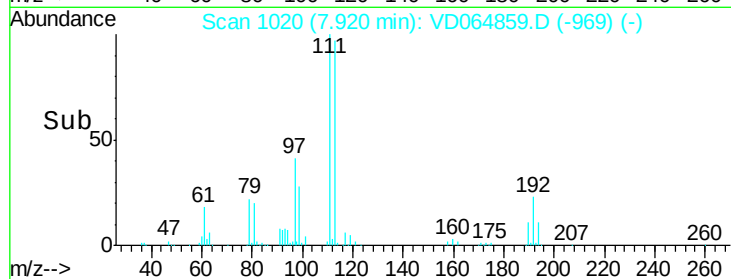
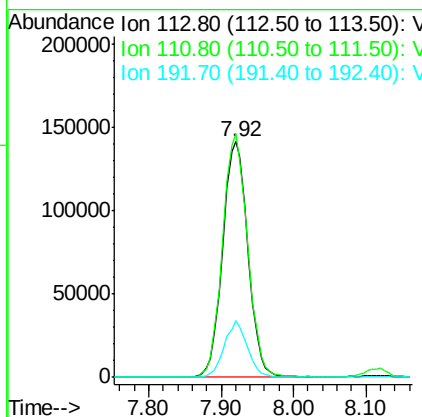
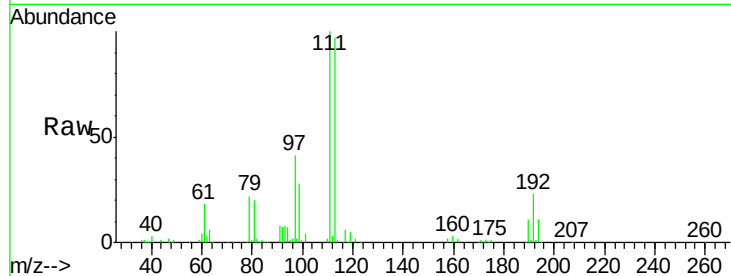
#35
 Dibromofluoromethane
 Concen: 106.563 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion:	113	Resp:	341999
Ion Ratio	Lower	Upper	
113	100		
111	102.4	80.6	121.0
192	22.1	17.9	26.9

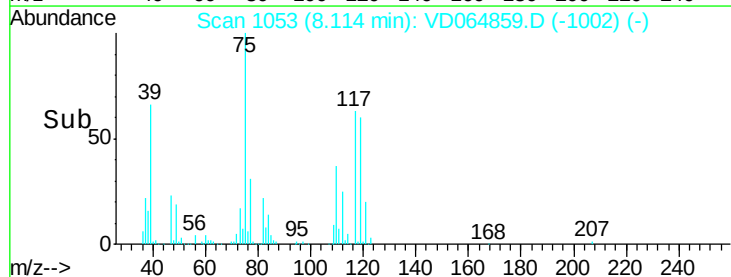
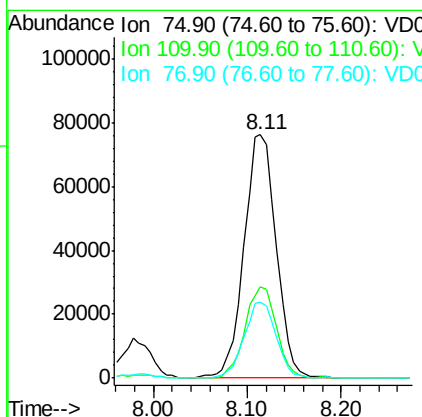
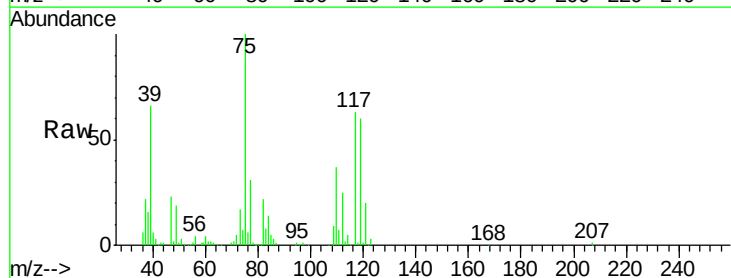
Manual Integrations
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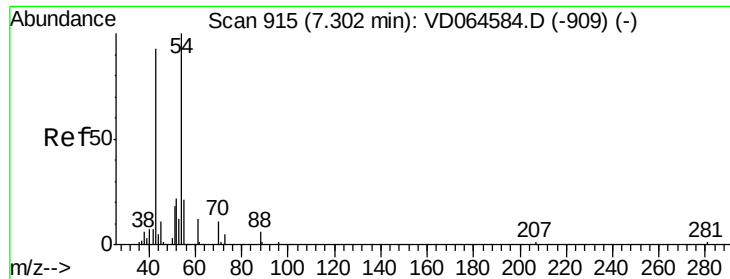
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#36
 1,1-Dichloropropene
 Concen: 35.655 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion:	75	Resp:	179517
Ion Ratio	Lower	Upper	
75	100		
110	37.0	18.1	54.1
77	31.5	24.2	36.4





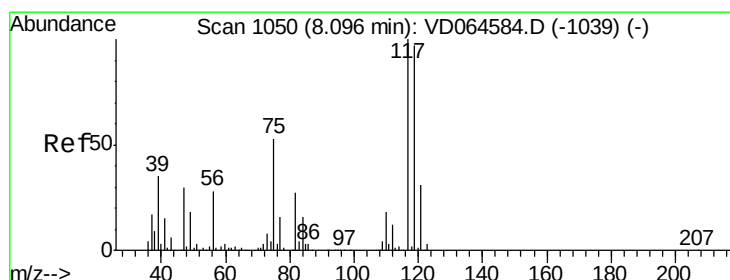
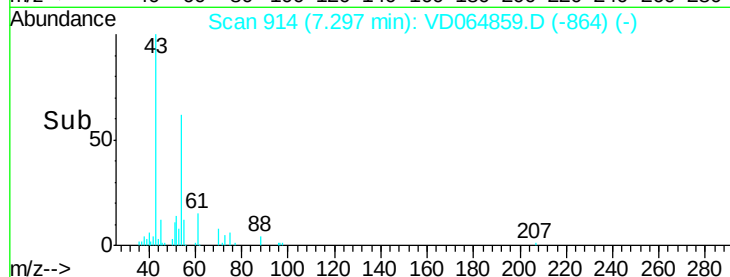
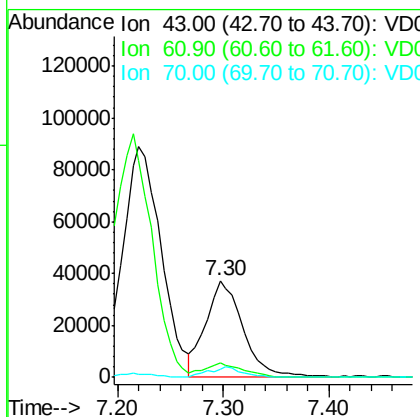
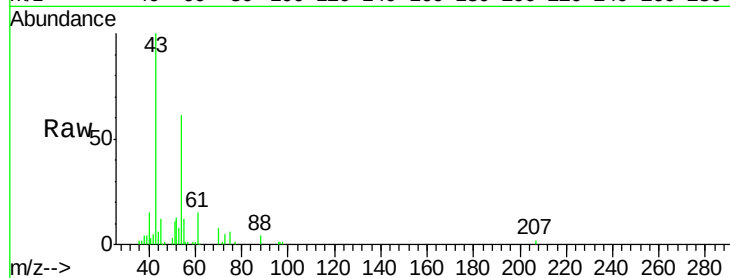
#37
Ethyl Acetate
Concen: 45.742 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.8	10.3	15.5
70	8.7	7.6	11.4

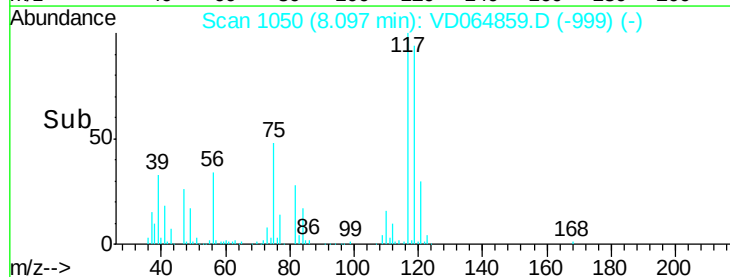
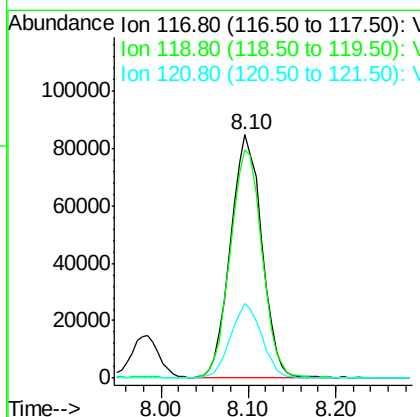
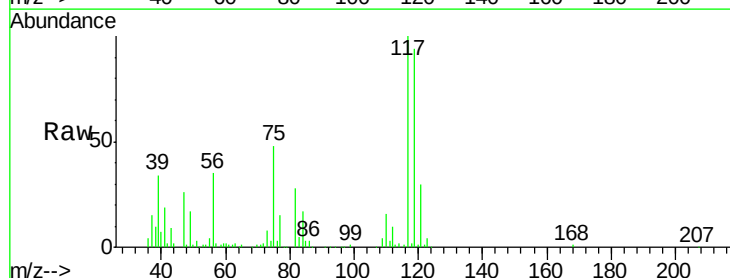
Manual Integrations
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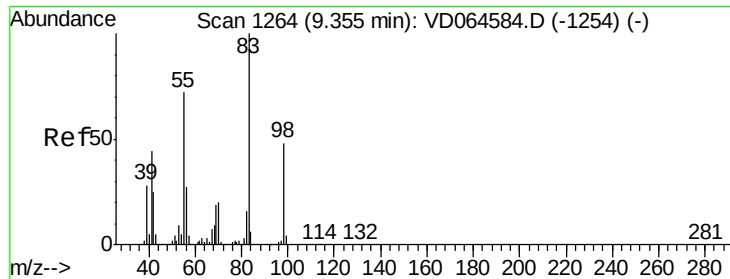
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#38
Carbon Tetrachloride
Concen: 38.245 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.3	115.9
121	30.5	25.0	37.6





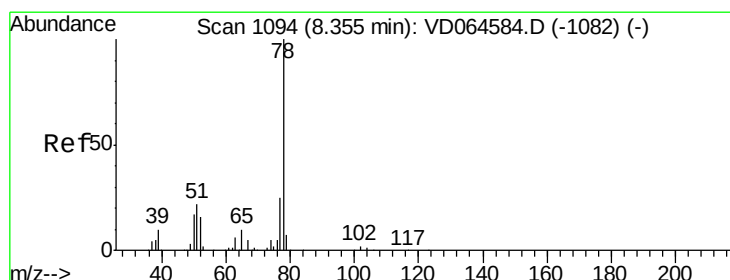
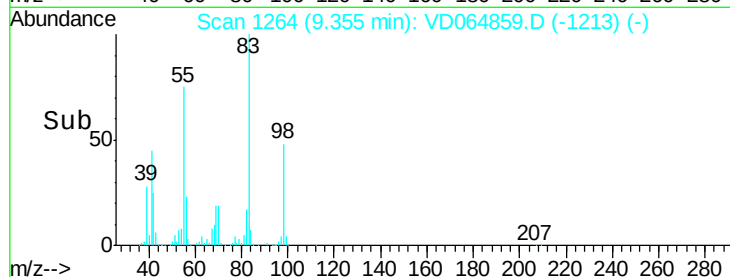
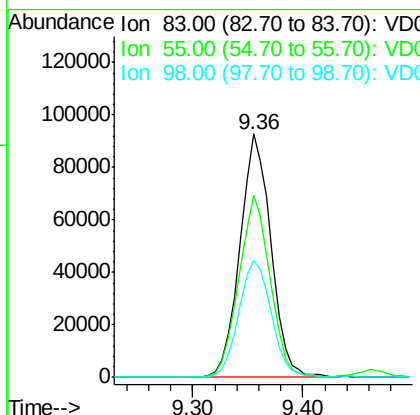
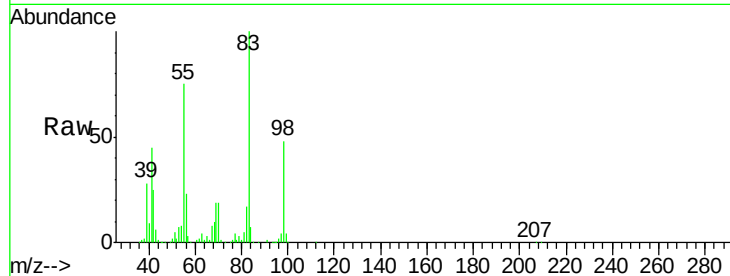
#39
Methylvlcyclohexane
Concen: 30.112 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	83	Resp	183629
Ion	Ratio	Lower	Upper
83	100		
55	74.9	57.8	86.6
98	47.8	38.7	58.1

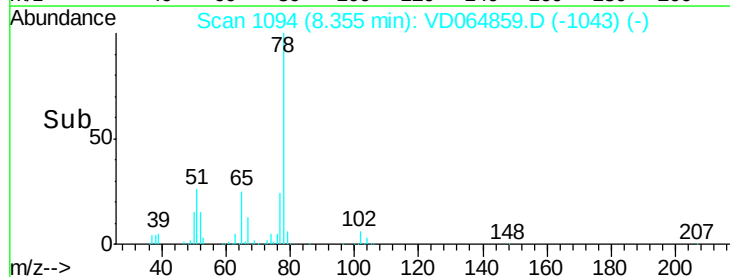
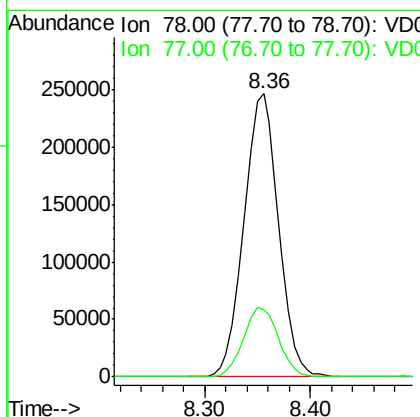
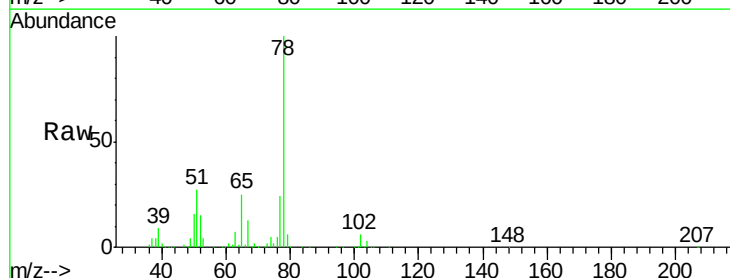
Manual Integrations
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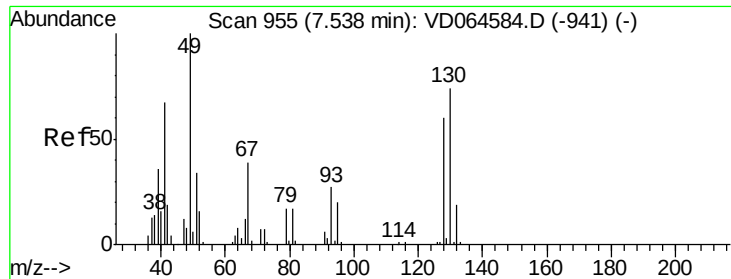
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#40
Benzene
Concen: 40.739 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	78	Resp	559944
Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.9	29.9





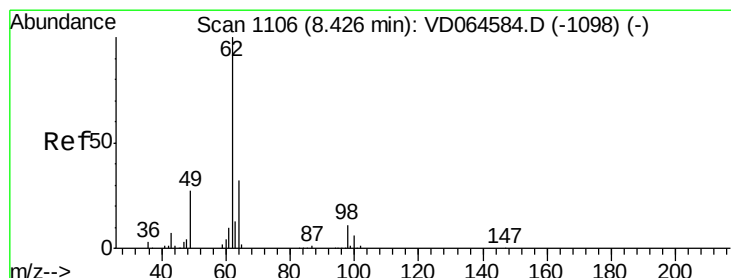
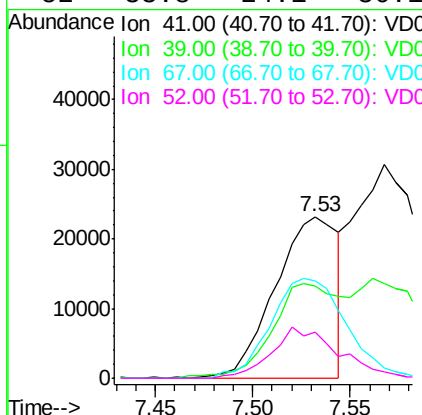
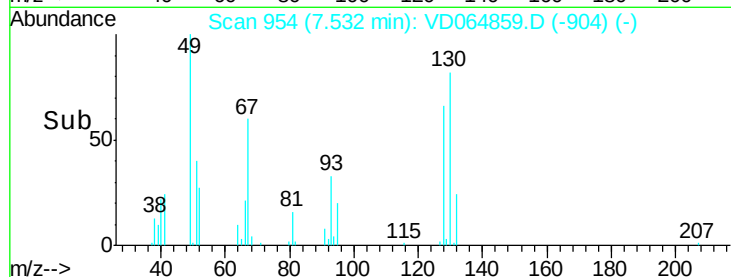
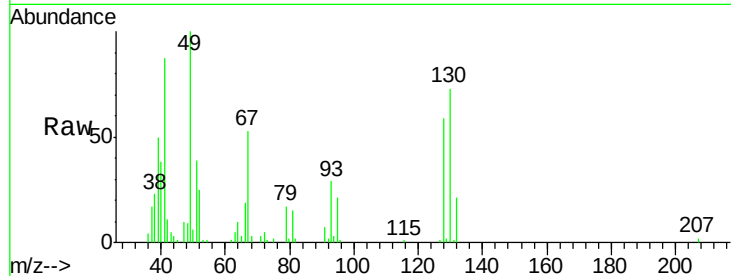
#41
Methacrylonitrile
Concen: 45.076 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion:	41	Resp:	51730
Ion	Ratio	Lower	Upper
41	100		
39	67.6	46.7	70.1
67	74.8	52.5	78.7
52	33.8	24.1	36.1

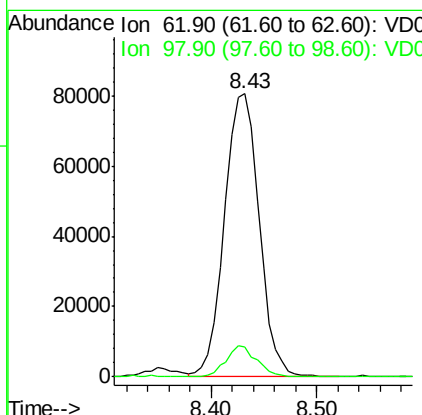
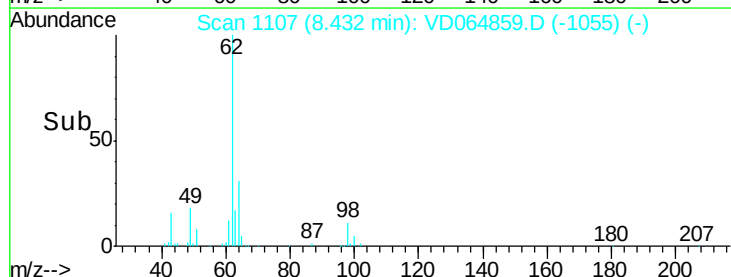
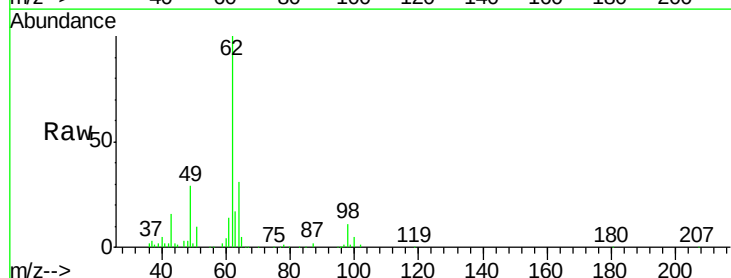
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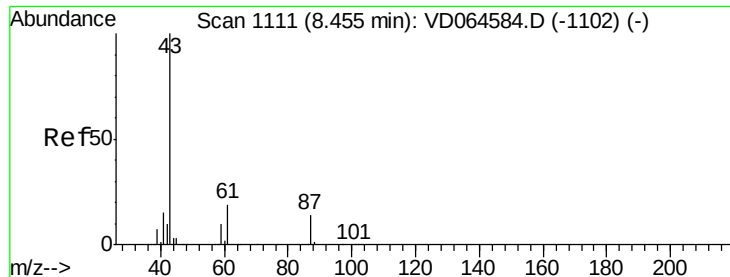
MMDadoda
1/20/2020 11:14:14 AM



#42
1,2-Dichloroethane
Concen: 46.198 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion:	62	Resp:	183492
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	20.0





#43

Isopropyl Acetate

Concen: 45.772 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

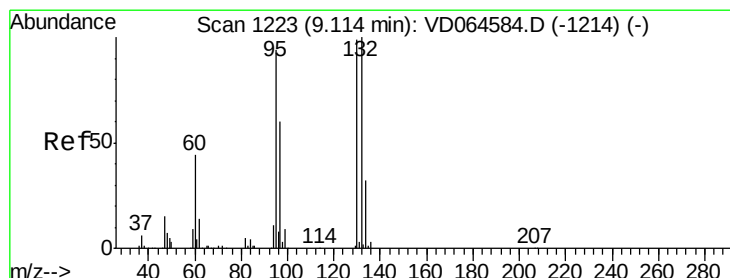
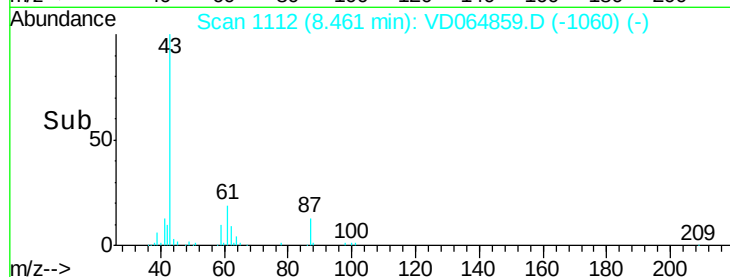
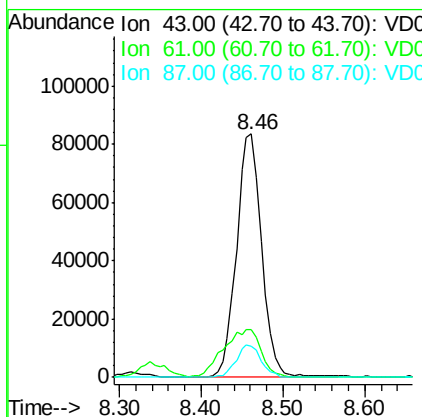
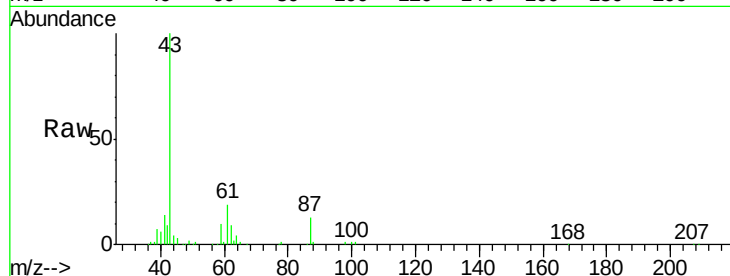
ClientSampleId :

EP-3MS

Tot Ion:	43	Resp:	180204
Ion	Ratio	Lower	Upper
43	100		
61	28.7	23.7	35.5
87	13.0	10.5	15.7

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#44

Trichloroethene

Concen: 36.858 ug/l

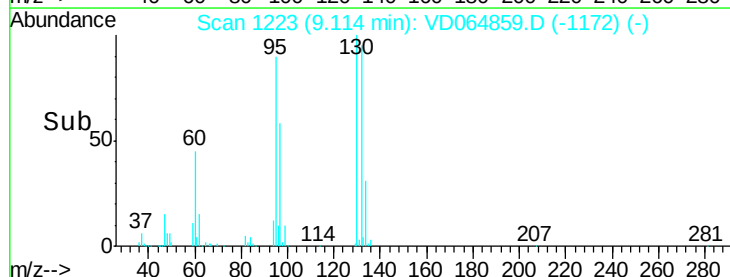
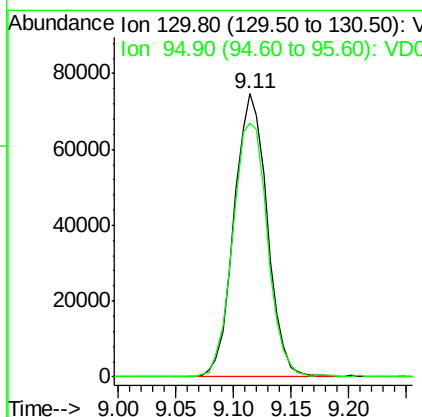
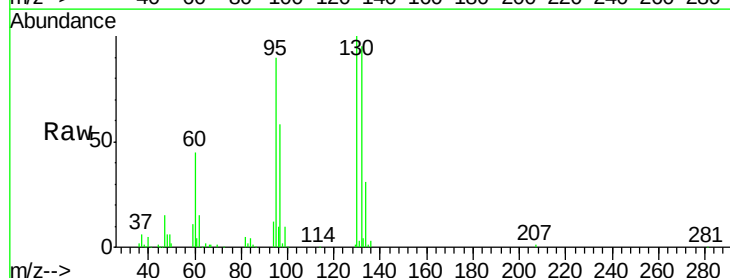
RT: 9.11 min Scan# 1223

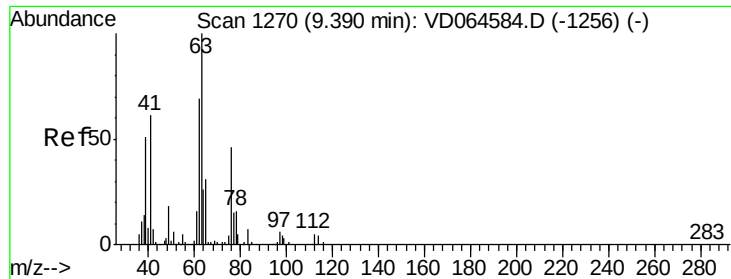
Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	130	Resp:	148823
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	190.2





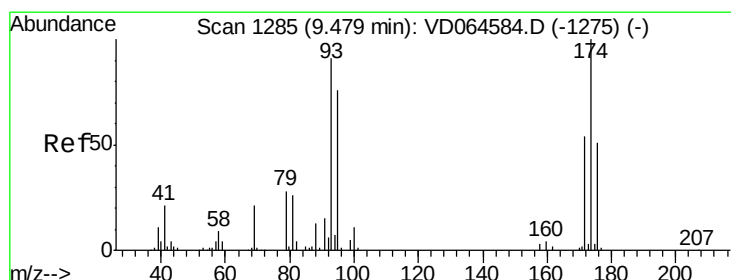
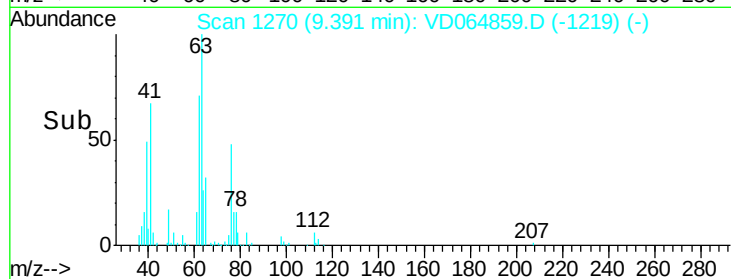
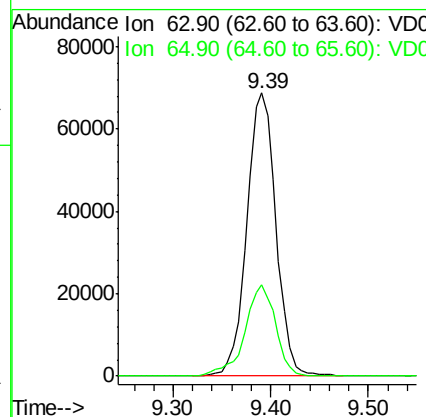
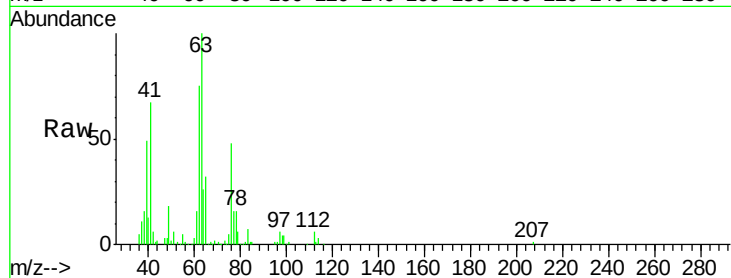
#45
 1,2-Dichloropropane
 Concen: 43.867 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.1	25.2	37.8

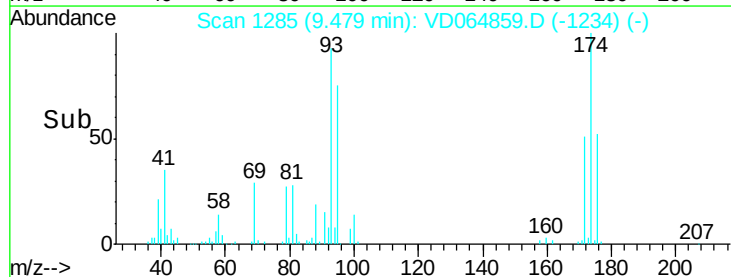
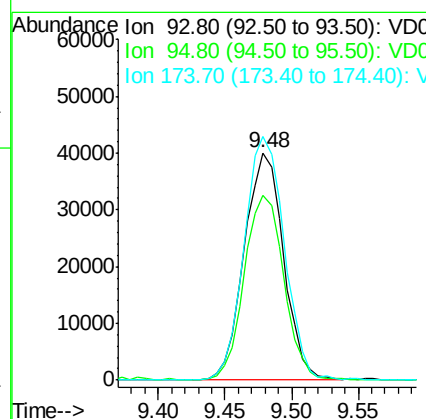
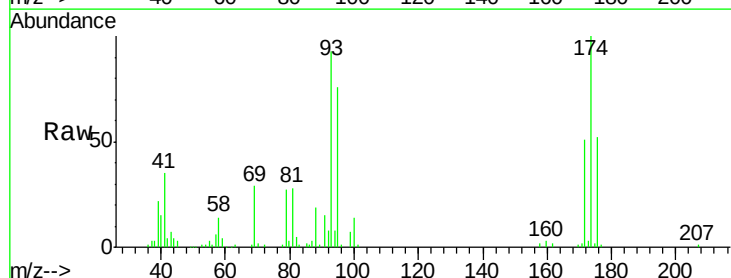
Manual Integrations
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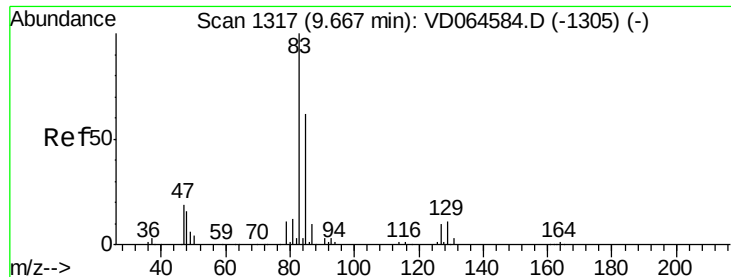
MMDadoda
 1/20/2020 11:14:14 AM



#46
 Dibromomethane
 Concen: 44.493 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.2	64.6	97.0
174	109.5	88.1	132.1





#47

Bromodichloromethane

Concen: 44.191 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

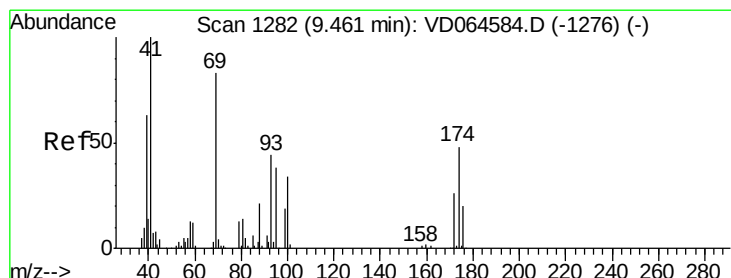
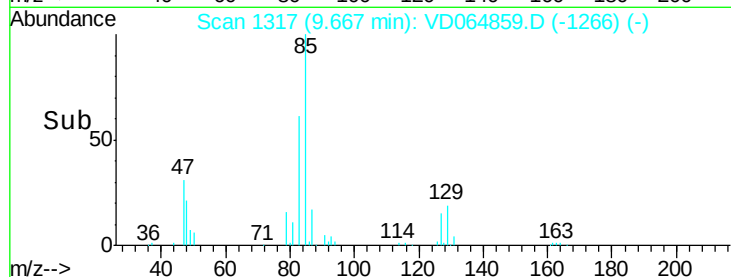
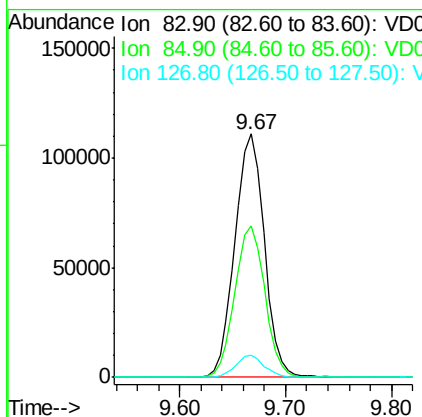
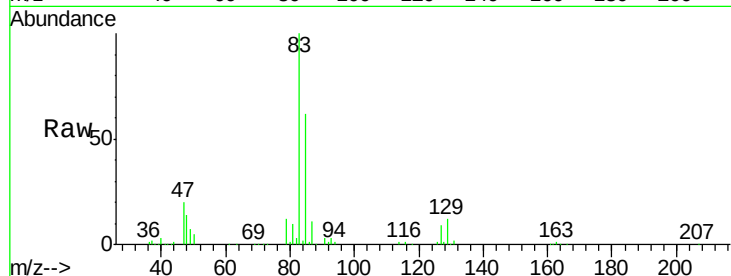
ClientSampled :

EP-3MS

Tot Ion:	83	Resp:	215151
Ion Ratio	Lower	Upper	
83	100		
85	62.5	49.5	74.3
127	9.1	7.8	11.6

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#48

Methyl methacrylate

Concen: 45.036 ug/l

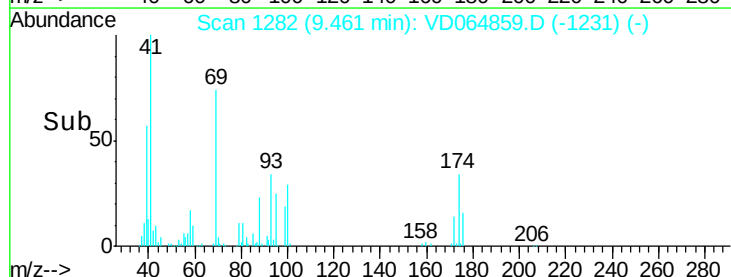
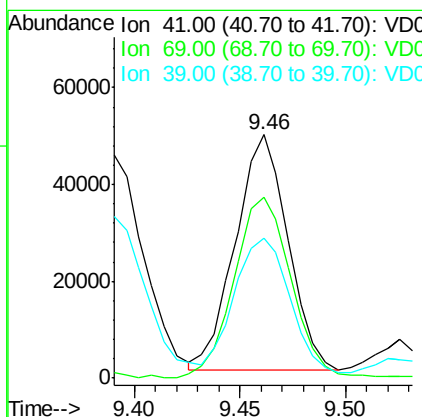
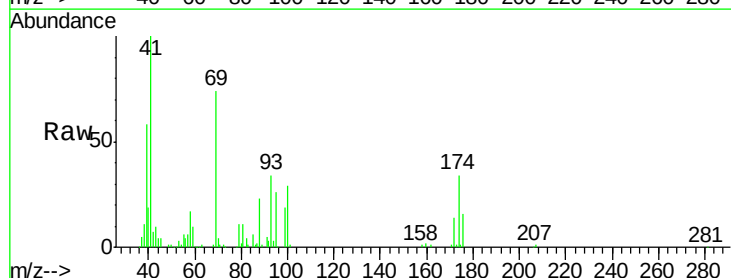
RT: 9.46 min Scan# 1282

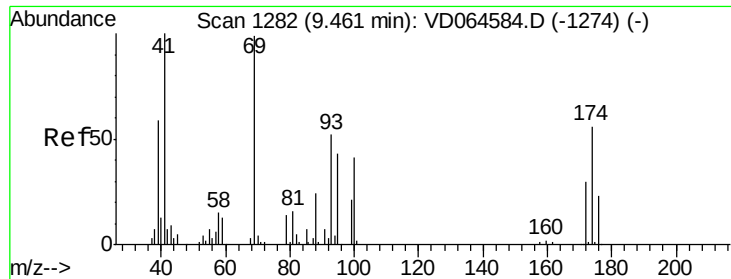
Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	41	Resp:	83486
Ion Ratio	Lower	Upper	
41	100		
69	84.7	63.0	94.6
39	65.9	47.4	71.2





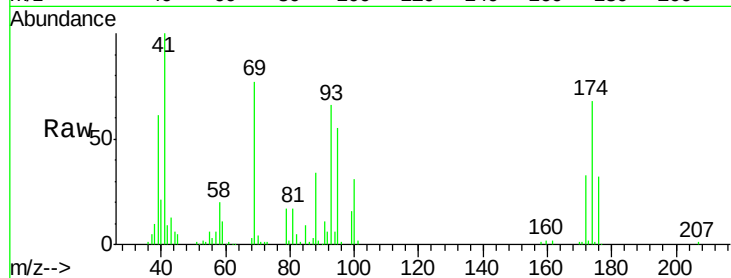
#49
1,4-Dioxane
Concen: 1317.888 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

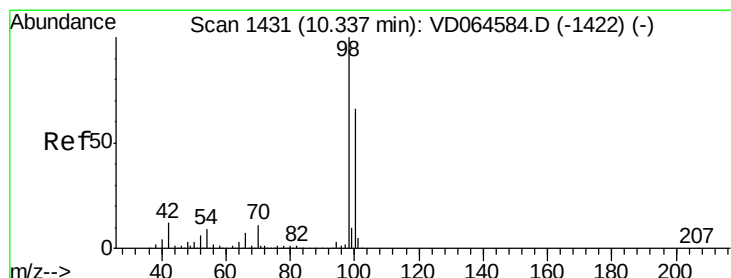
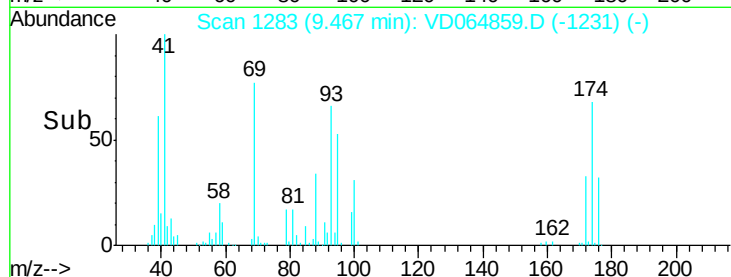
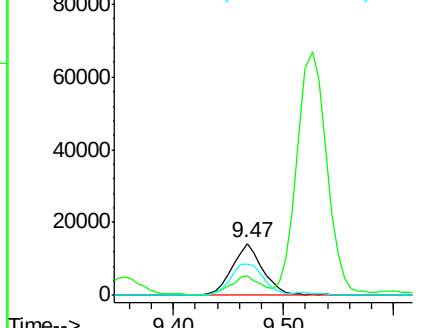
Tot Ion	88	Resp	27804
Ion	Ratio	Lower	Upper
88	100		
43	38.1	27.7	41.5
58	66.1	53.8	80.6

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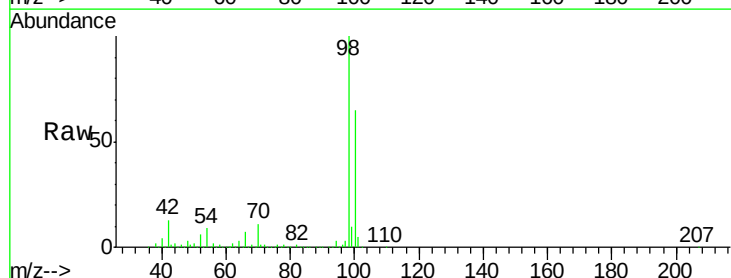


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

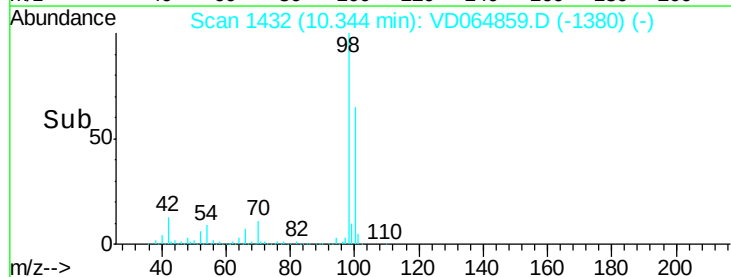
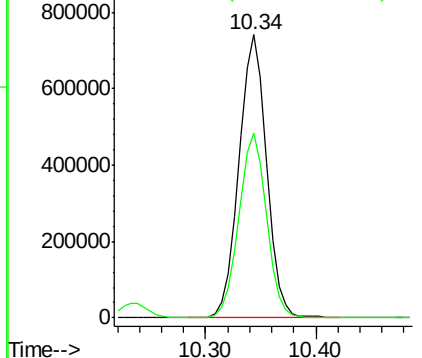


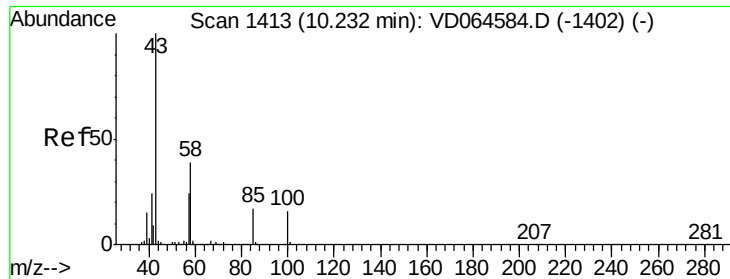
#50
Toluene-d8
Concen: 106.311 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	98	Resp	1306721
Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.7	77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





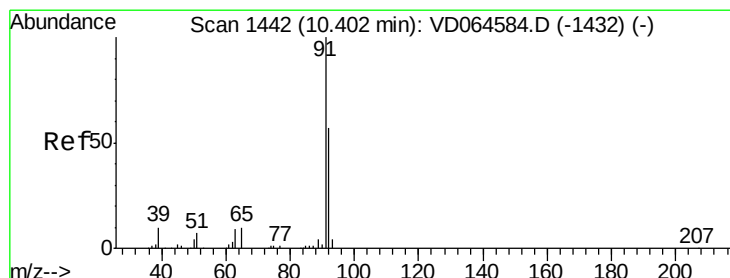
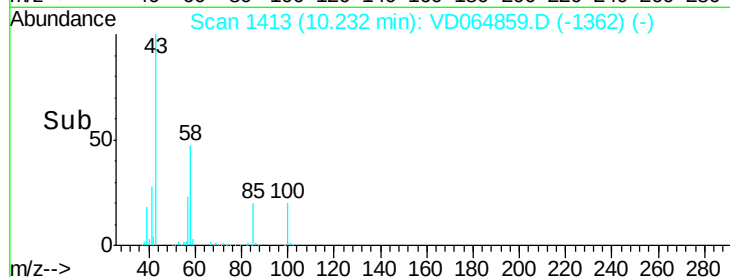
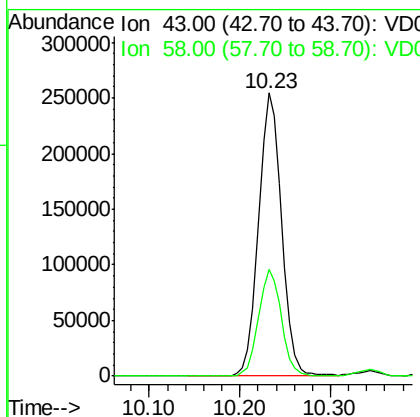
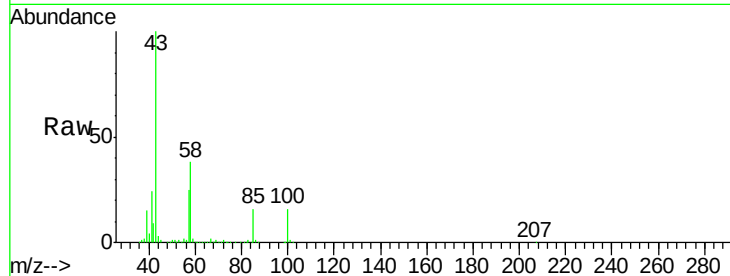
#51
4-Methyl-2-Pentanone
Concen: 231.996 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.2	45.2

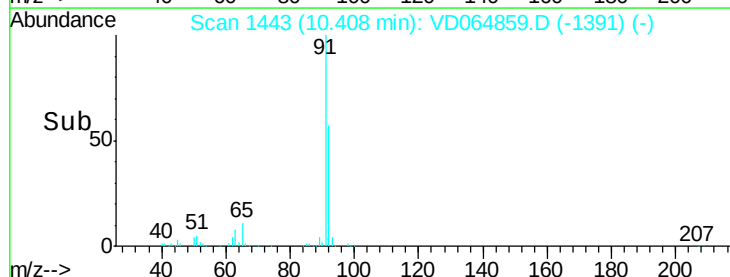
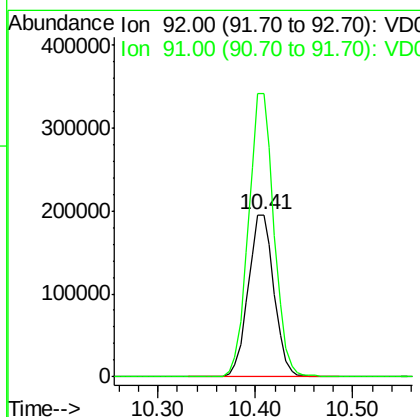
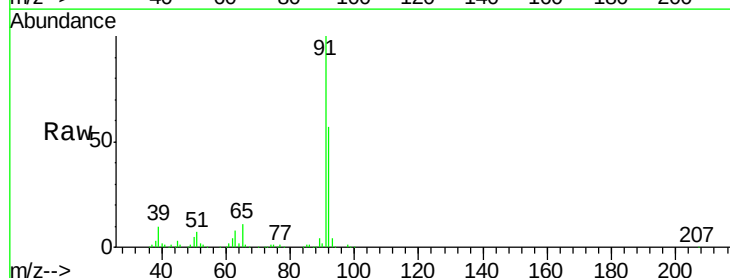
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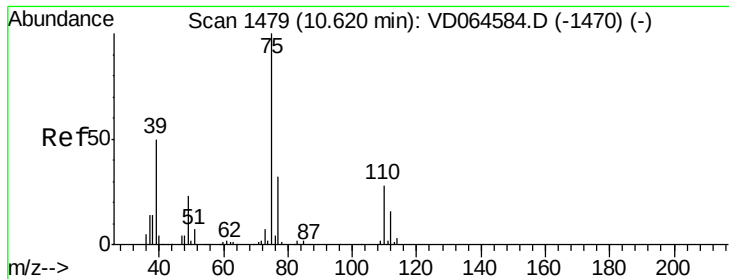
MMDadoda
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#52
Toluene
Concen: 40.260 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.7	208.1





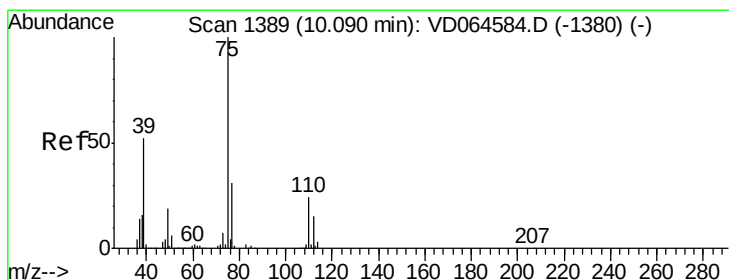
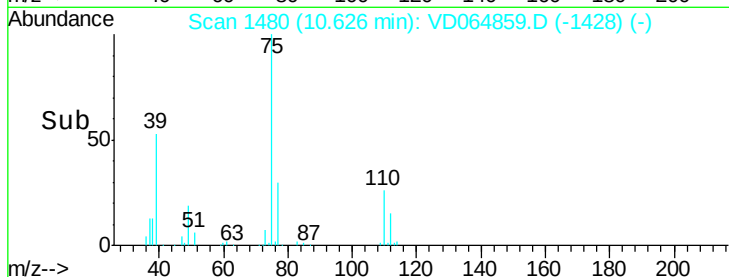
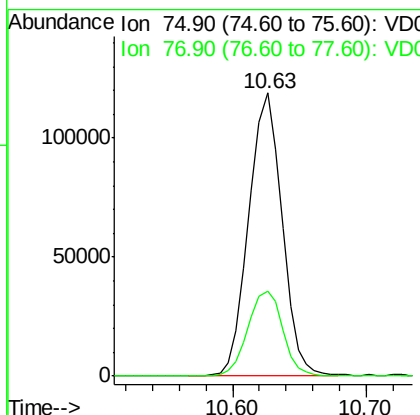
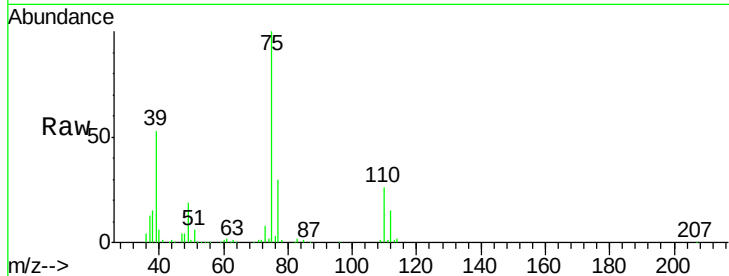
#53
 t-1,3-Dichloropropene
 Concen: 45.313 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MS

Tot Ion: 75 Resp: 205683
 Ion Ratio Lower Upper
 75 100
 77 30.1 25.4 38.2

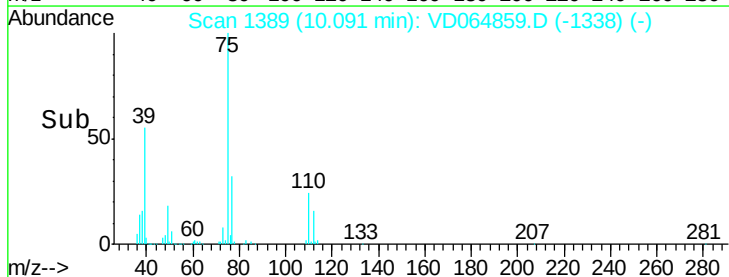
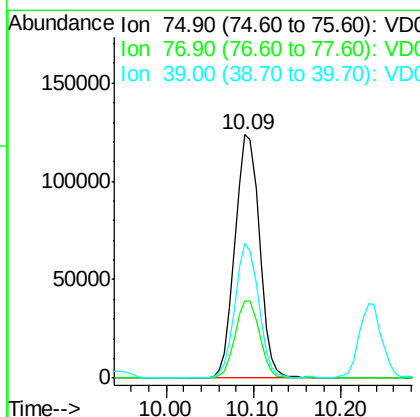
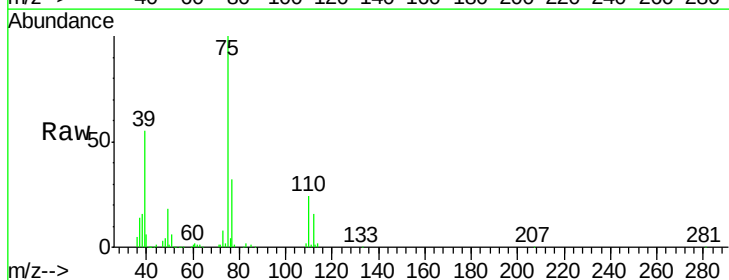
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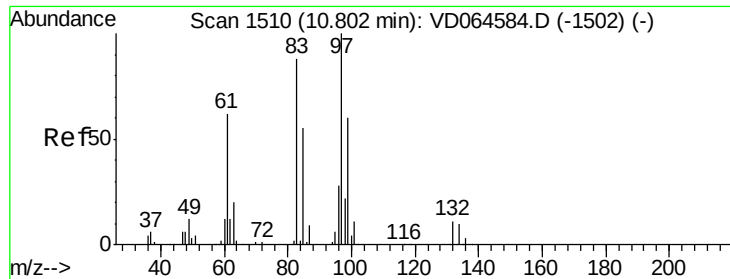
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#54
 cis-1,3-Dichloropropene
 Concen: 43.963 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 75 Resp: 235303
 Ion Ratio Lower Upper
 75 100
 77 31.7 24.6 36.8
 39 54.9 41.4 62.2





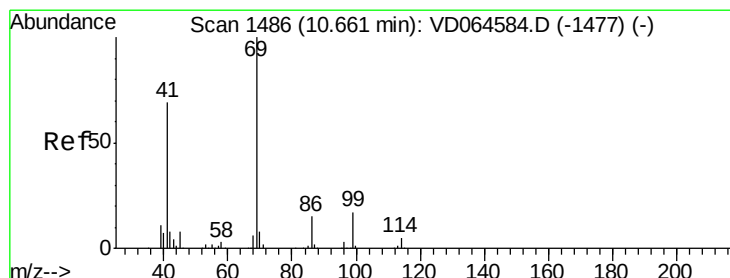
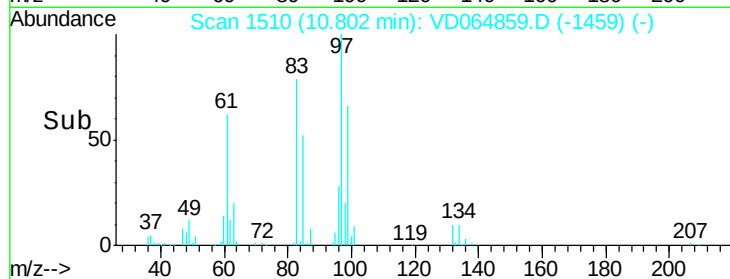
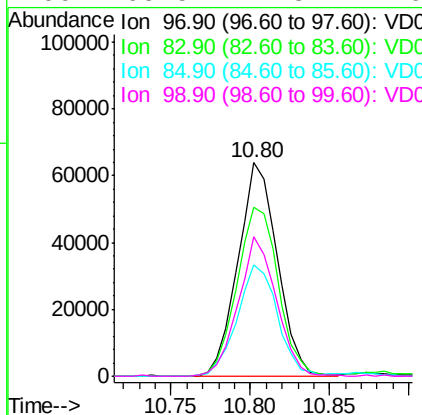
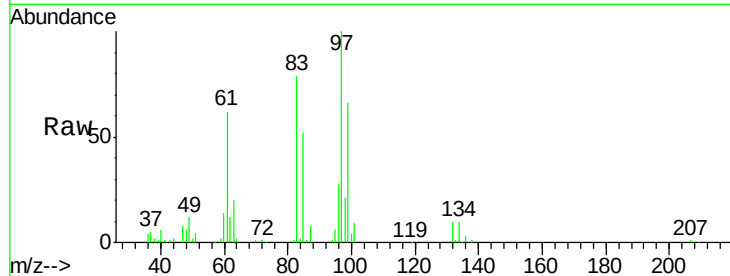
#55
 1,1,2-Trichloroethane
 Concen: 44.663 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion:	97	Resp:	110131
Ion	Ratio	Lower	Upper
97	100		
83	79.3	70.2	105.4
85	52.3	44.0	66.0
99	65.5	47.8	71.6

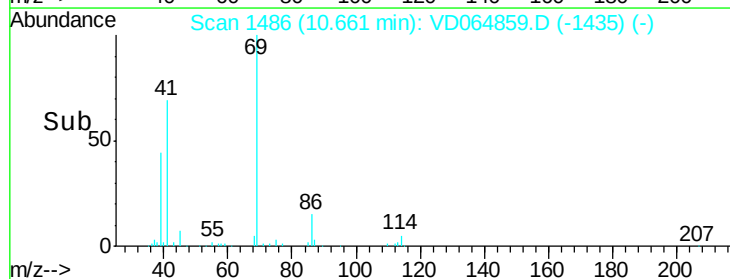
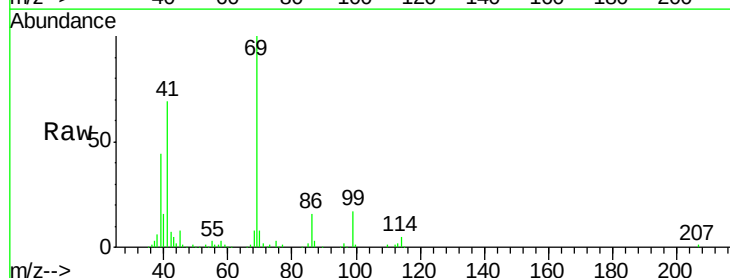
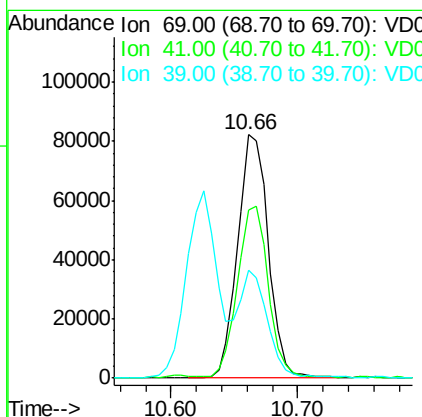
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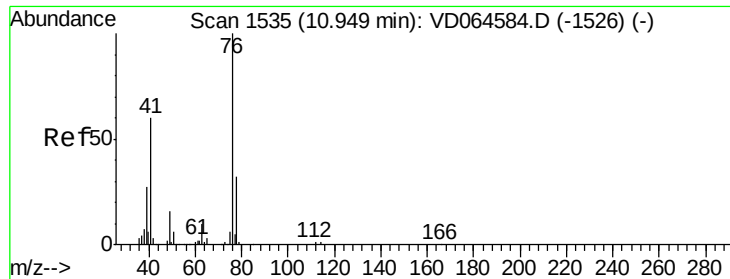
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#56
 Ethyl methacrylate
 Concen: 44.925 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion:	69	Resp:	138346
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	39.1	33.8	50.8





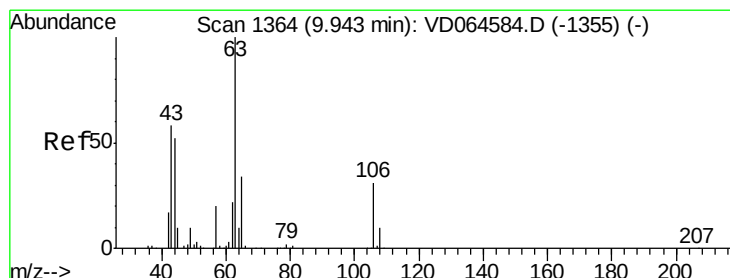
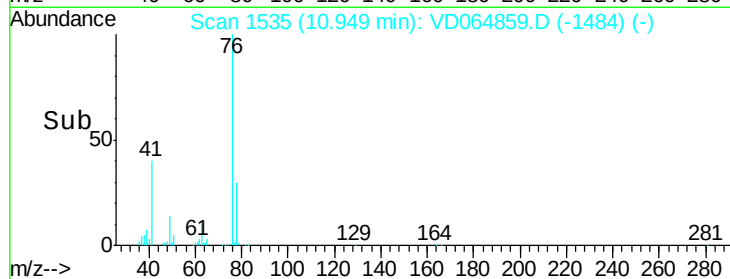
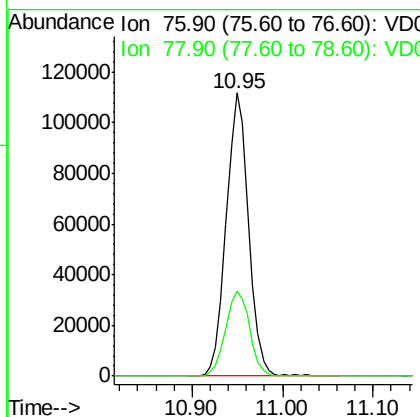
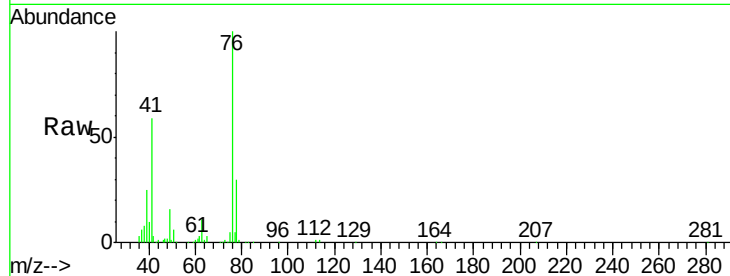
#57
 1,3-Dichloropropane
 Concen: 45.143 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion: 76 Resp: 191658
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4

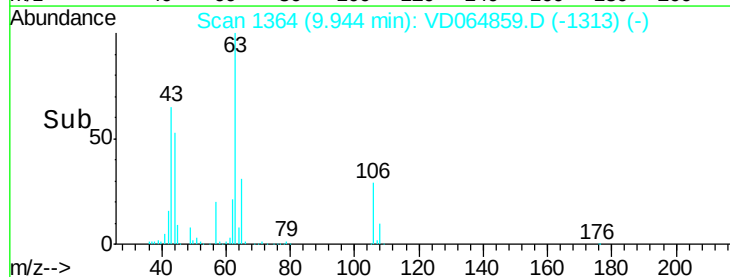
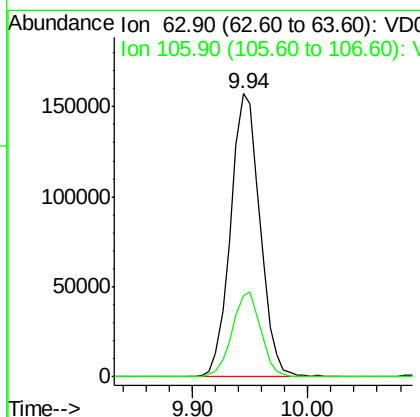
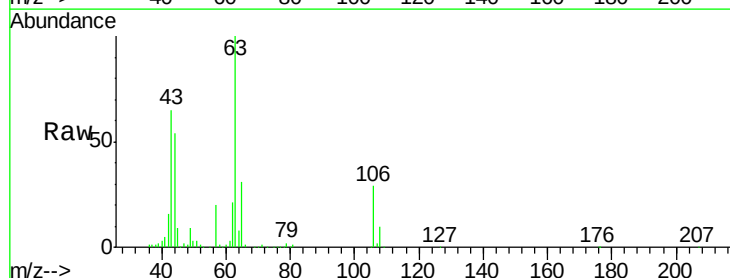
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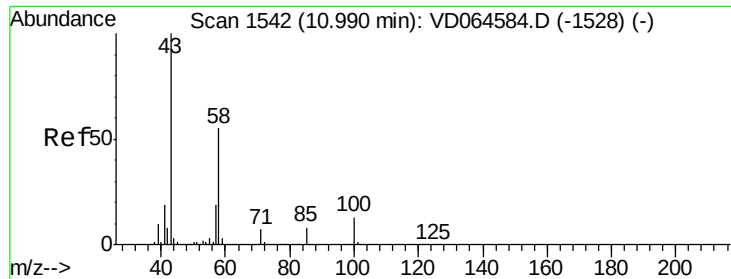
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 1/20/2020 11:14:14 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 236.644 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion: 63 Resp: 277643
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.8 35.8





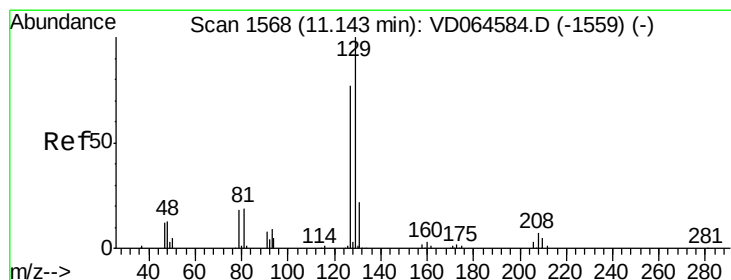
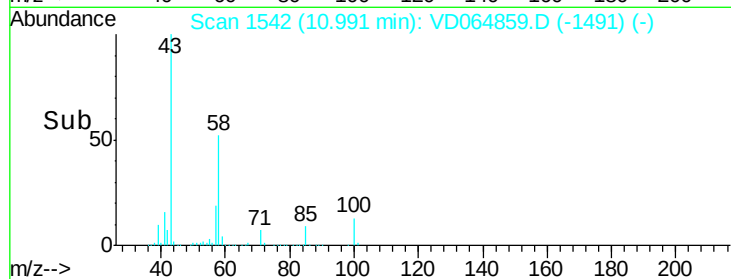
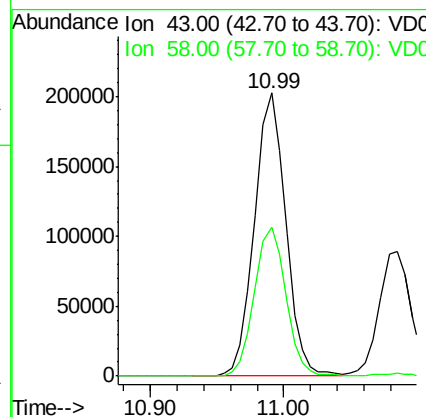
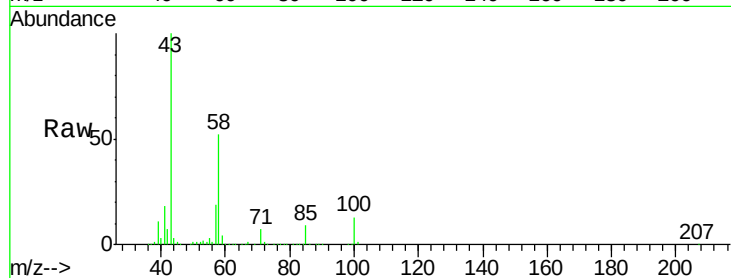
#59
2-Hexanone
Concen: 248.828 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion: 43 Resp: 328643
Ion Ratio Lower Upper
43 100
58 53.1 26.4 79.0

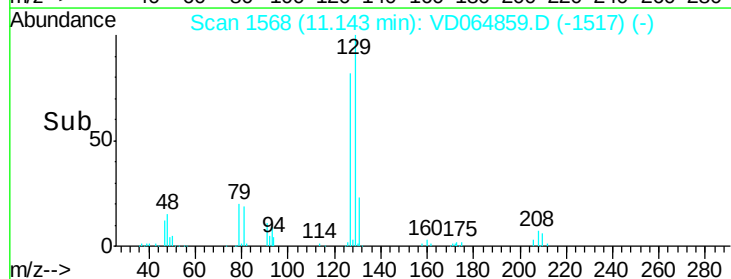
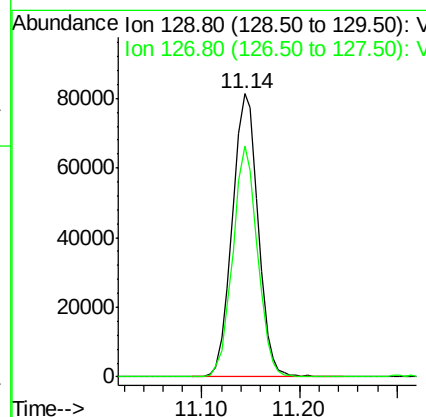
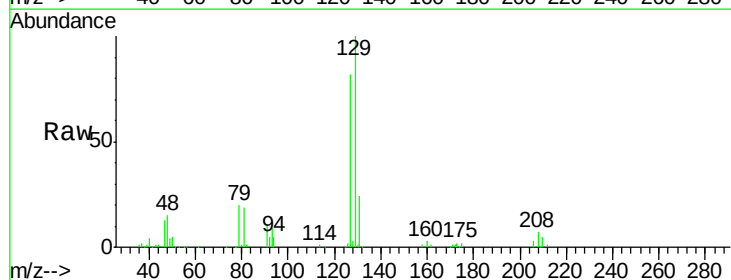
Manual Integrations
APPROVED

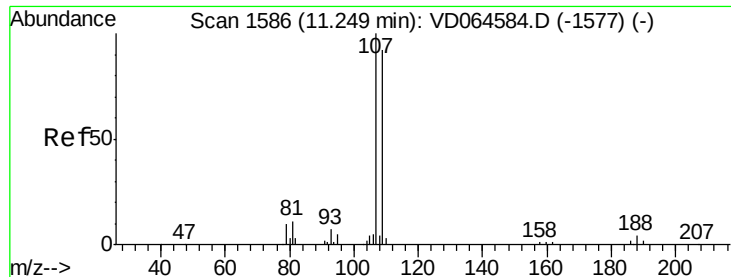
MMDadoda
1/20/2020 11:14:14 AM



#60
Dibromochloromethane
Concen: 43.794 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 129 Resp: 149331
Ion Ratio Lower Upper
129 100
127 78.2 38.4 115.2





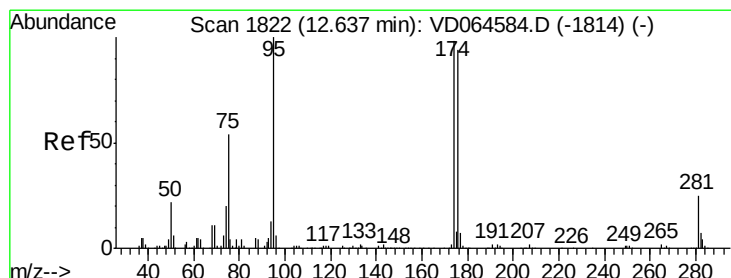
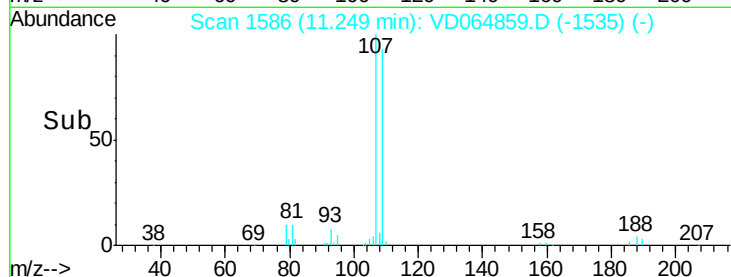
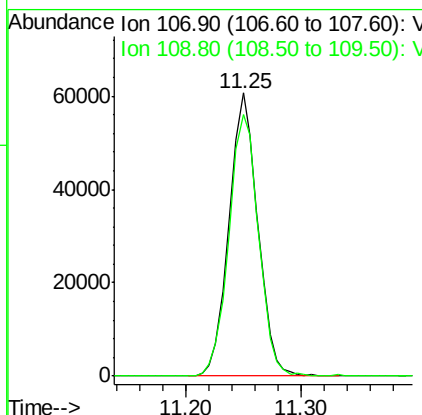
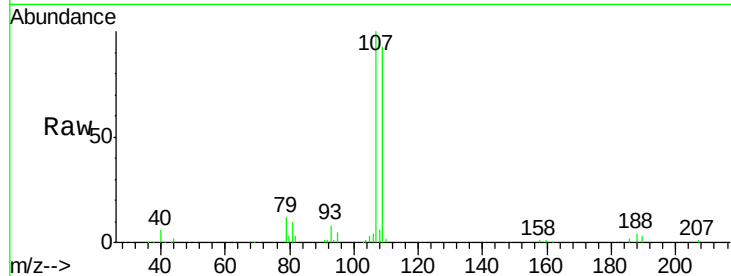
#61
 1,2-Dibromoethane
 Concen: 43.082 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
107	100	104777		
109	95.3	75.6	113.4	

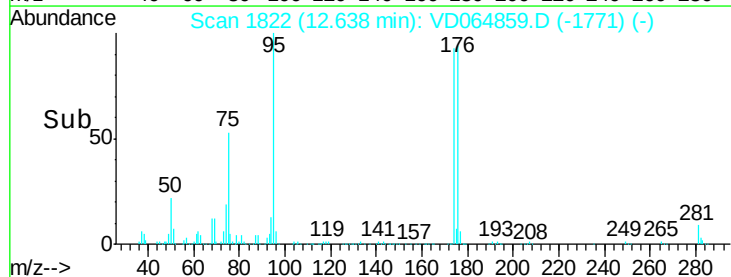
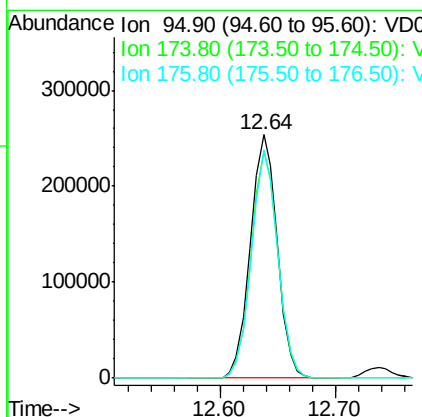
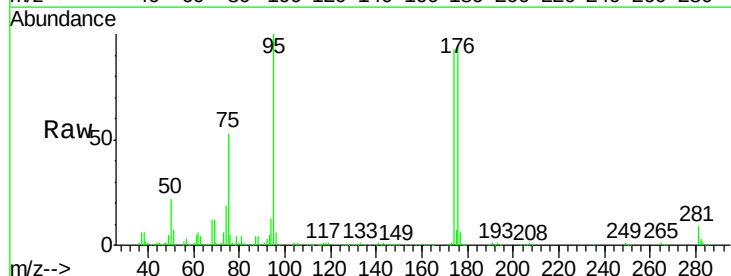
Manual Integrations
 APPROVED

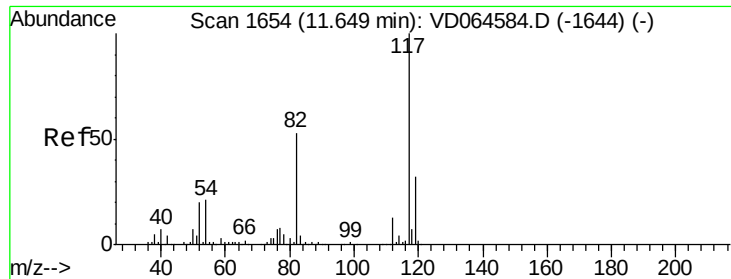
MMDadoda
 1/20/2020 11:14:14 AM



#62
 4-Bromofluorobenzene
 Concen: 105.820 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	411289		
174	92.7	0.0	193.2	
176	91.8	0.0	184.2	





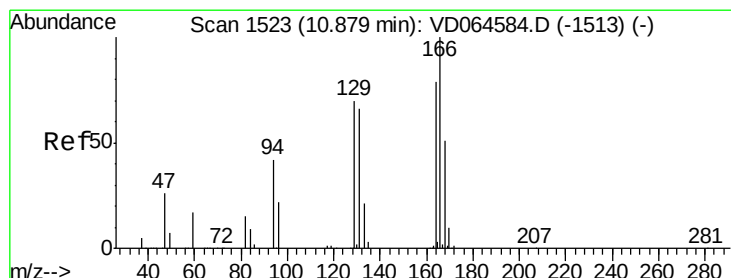
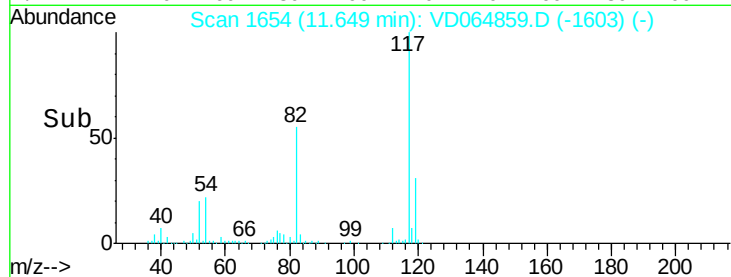
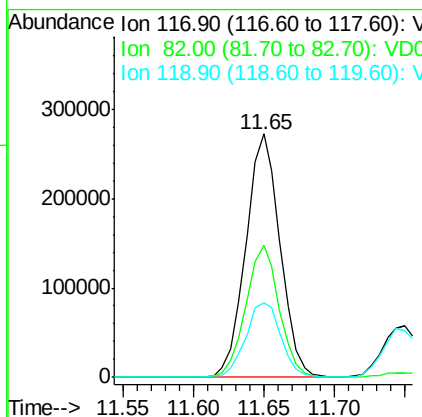
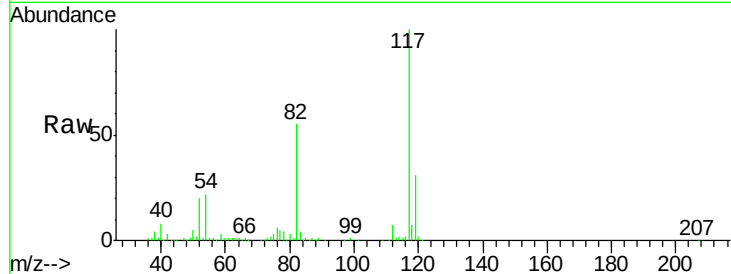
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
117	100	463812		
82	54.6	42.2	63.4	
119	30.9	26.0	39.0	

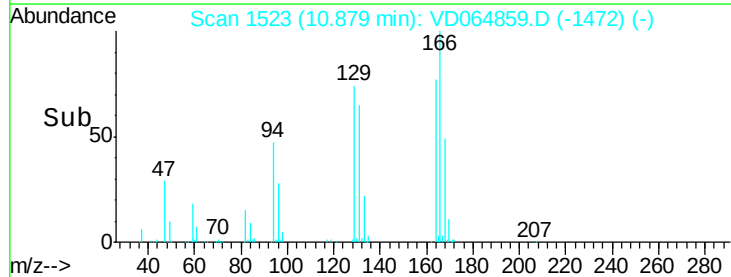
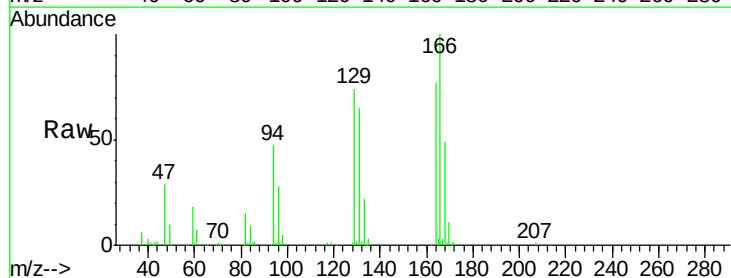
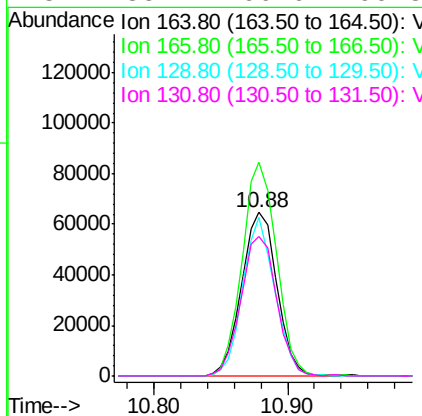
Manual Integrations
APPROVED

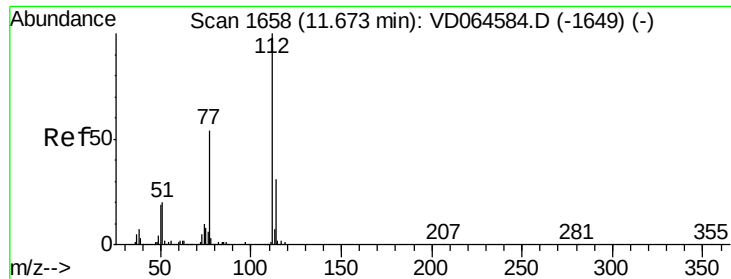
MMDadoda
1/20/2020 11:14:14 AM



#64
Tetrachloroethene
Concen: 33.201 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118138		
166	130.5	101.3	151.9	
129	96.9	70.5	105.7	
131	85.1	66.6	99.8	





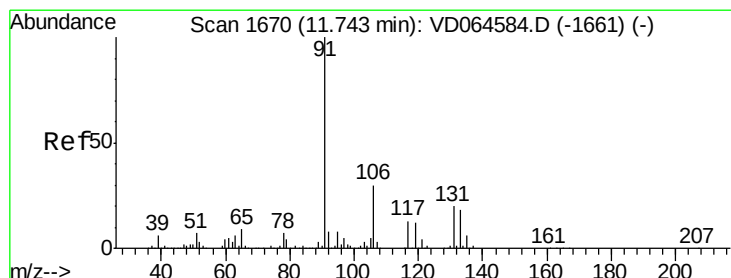
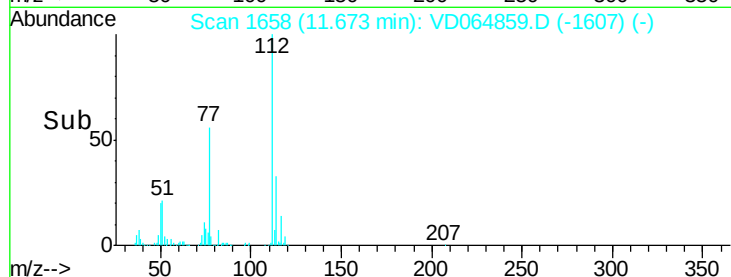
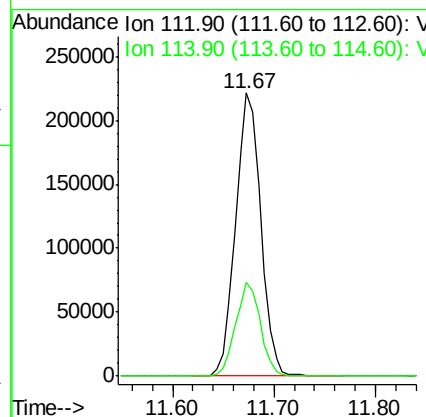
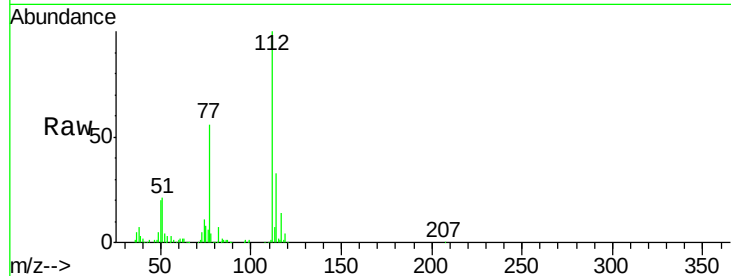
#65
Chlorobenzene
Concen: 39.636 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
112	100	381551		
114	33.2	24.8	37.2	

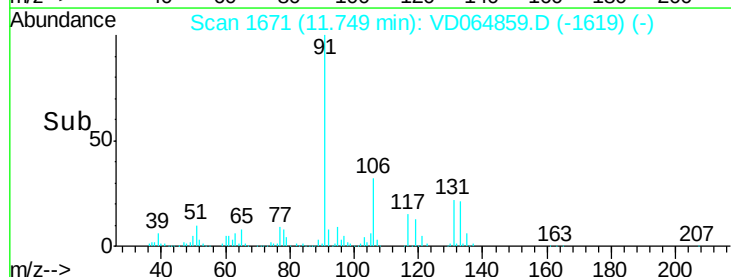
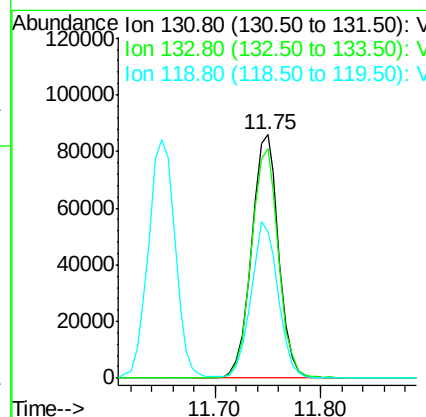
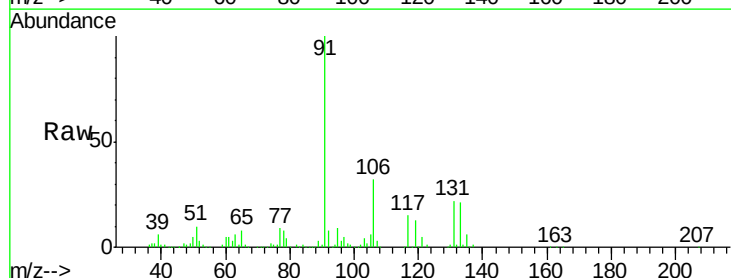
Manual Integrations
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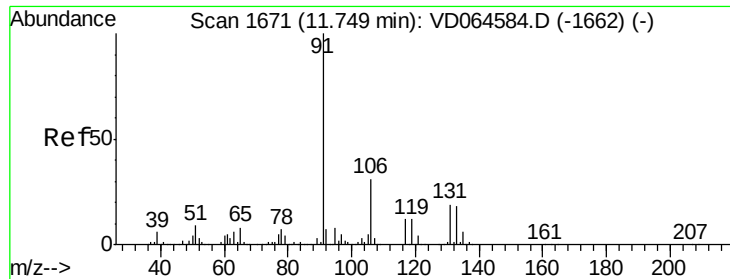
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 42.138 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	152918		
133	94.8	48.3	144.8	
119	64.3	32.1	96.3	





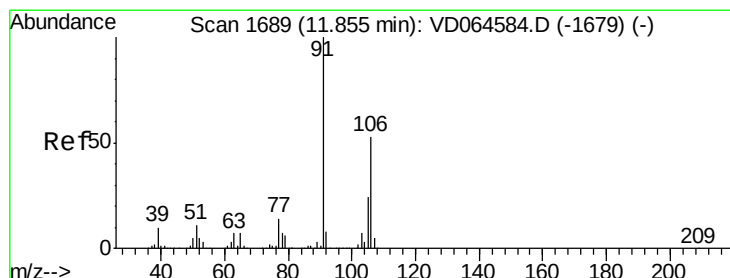
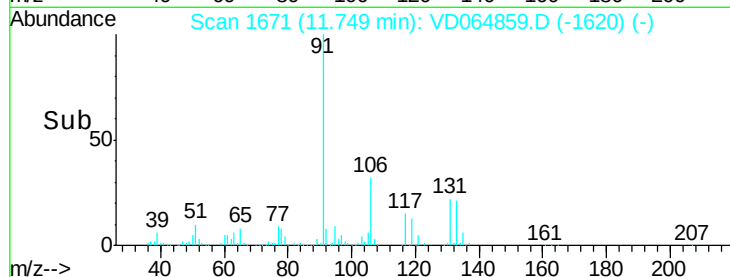
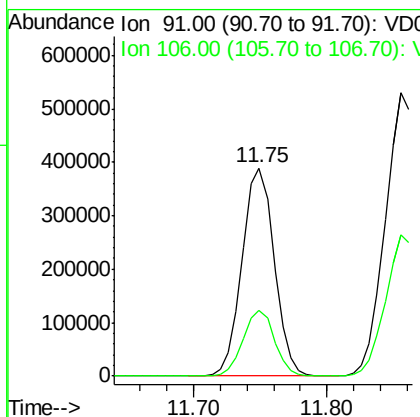
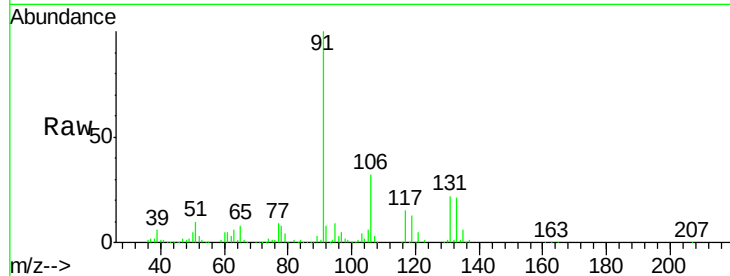
#67
Ethyl Benzene
Concen: 37.254 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion: 91 Resp: 650925
Ion Ratio Lower Upper
91 100
106 31.7 24.6 36.8

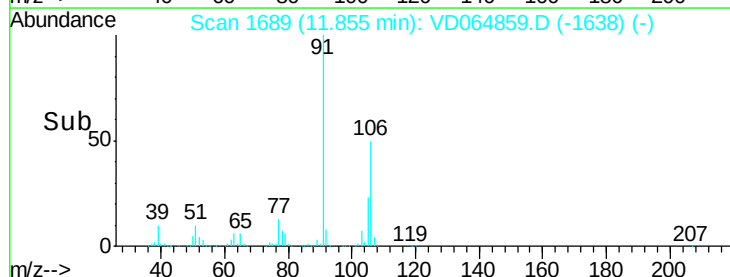
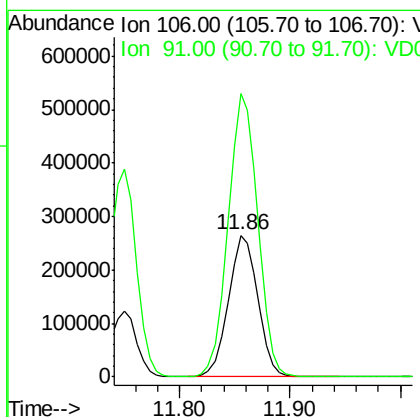
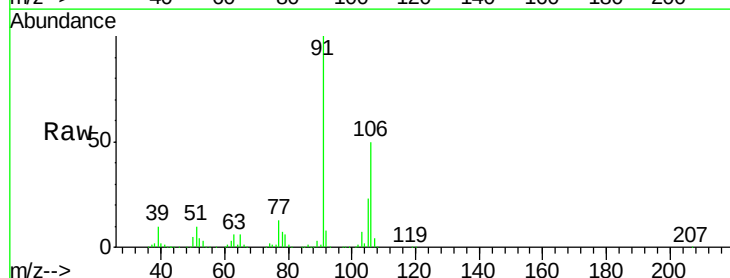
Manual Integrations
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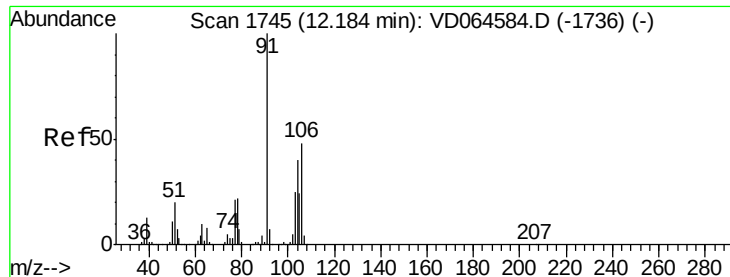
MMDadoda
1/20/2020 11:14:14 AM



#68
m/p-Xylenes
Concen: 73.222 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion: 106 Resp: 493807
Ion Ratio Lower Upper
106 100
91 201.5 156.3 234.5





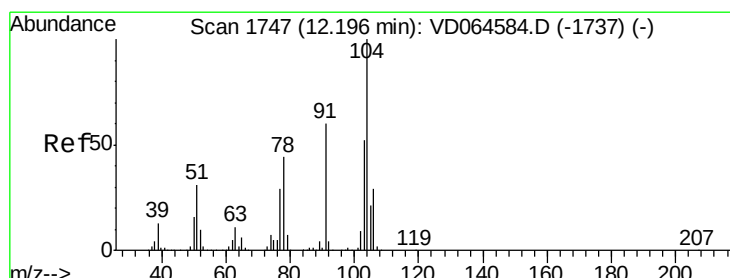
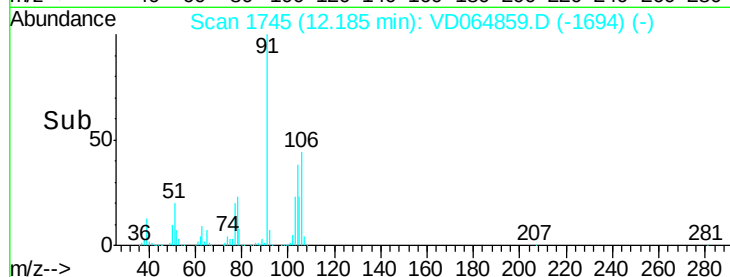
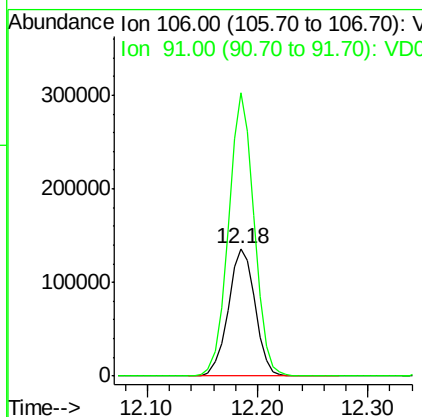
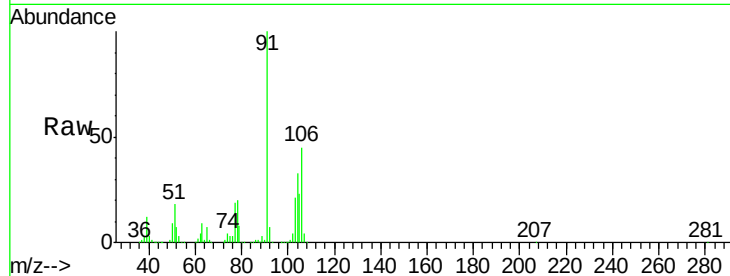
#69
o-Xylene
Concen: 37.826 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		230415		
91	212.8	104.8	314.4		

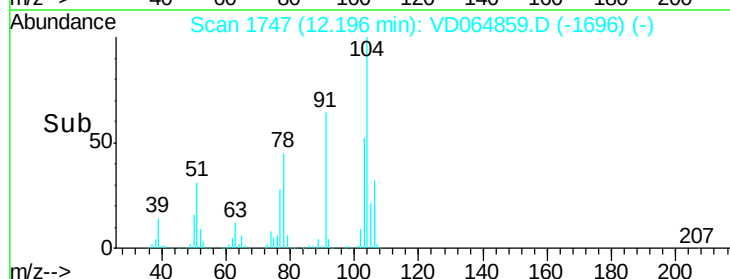
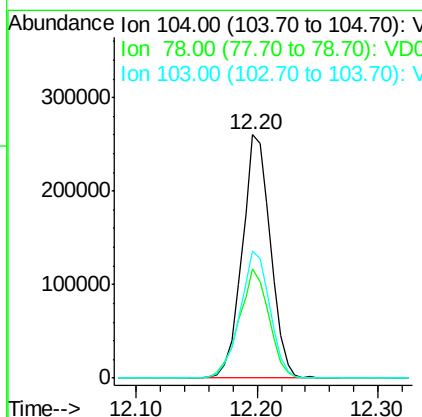
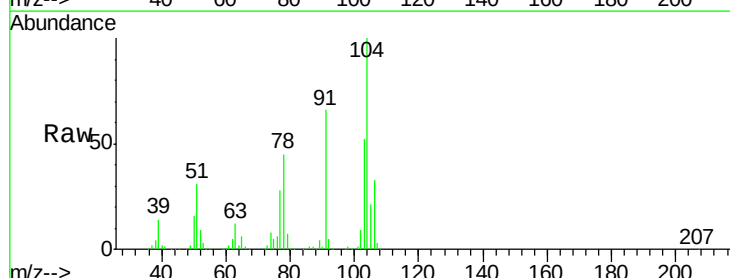
Manual Integrations
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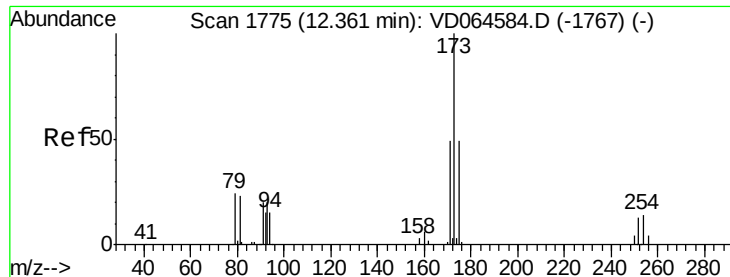
MMDadoda
1/20/2020 11:14:14 AM



#70
Styrene
Concen: 39.775 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		425288		
78	47.5	38.2	57.2		
103	55.1	44.6	67.0		





#71

Bromoform

Concen: 44.226 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion:173 Resp: 91526

Ion Ratio Lower Upper

173 100

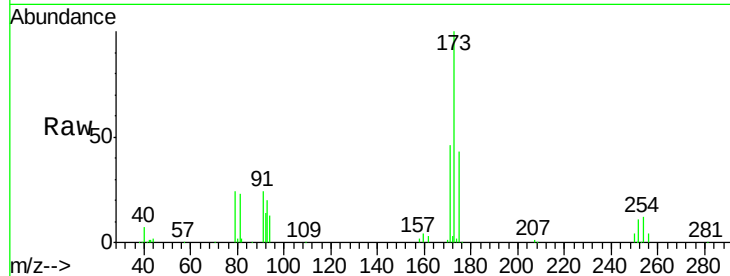
175 46.7 24.6 73.8

254 0.1 0.1 0.1#

Manual Integrations
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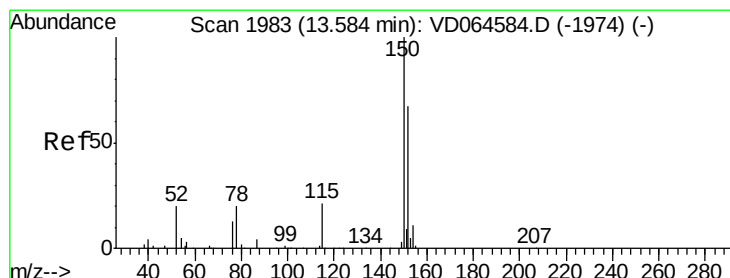
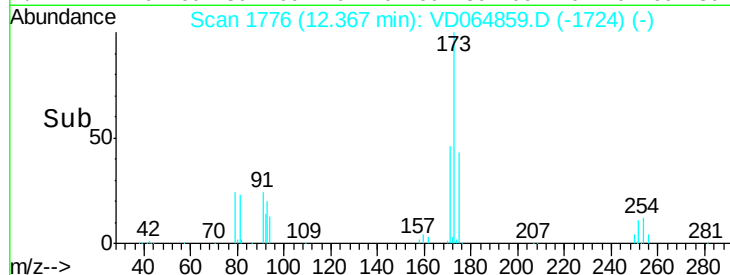
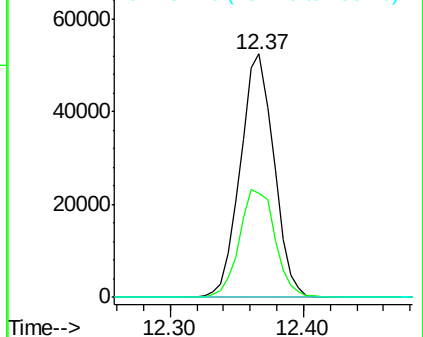
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD064859.D

Acq: 17 Jan 2020 13:23

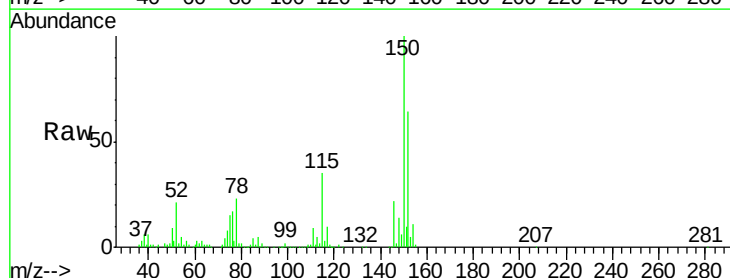
Tgt Ion:152 Resp: 227344

Ion Ratio Lower Upper

152 100

115 55.3 27.8 83.4

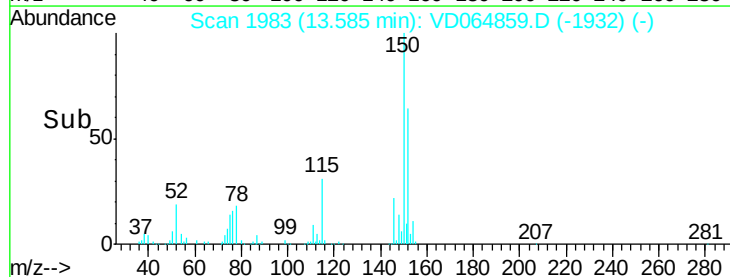
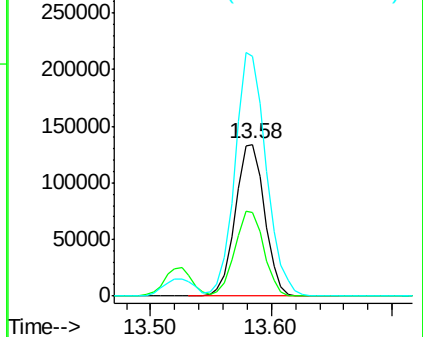
150 170.5 0.0 351.4

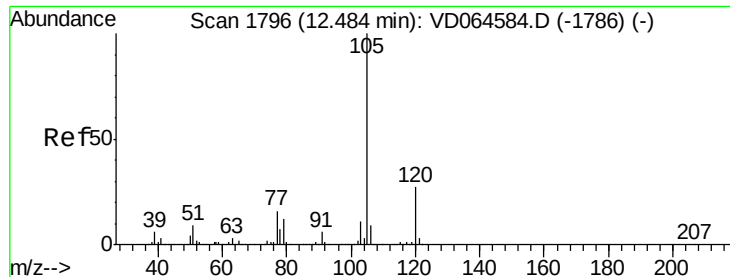


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 36.135 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion:105 Resp: 587062

Ion Ratio Lower Upper

105 100

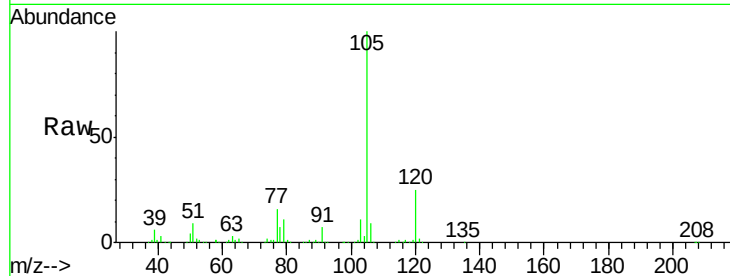
120 26.9 13.5 40.5

Manual Integrations

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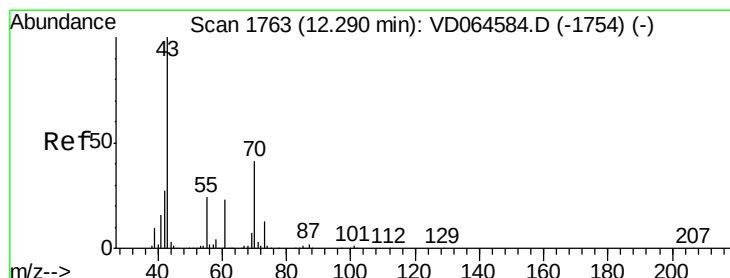
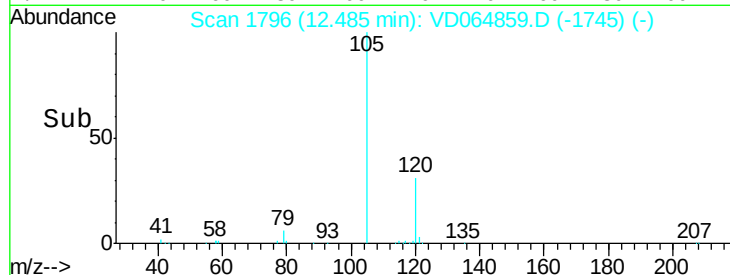
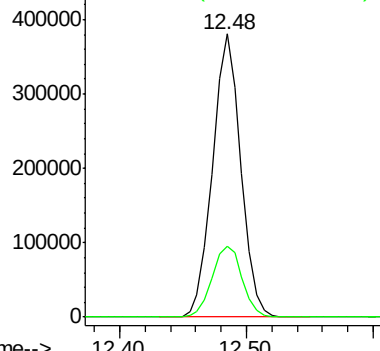
MMDadoda

1/20/2020 11:14:14 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 44.266 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion: 43 Resp: 153732

Ion Ratio Lower Upper

43 100

70 42.1 33.4 50.0

55 26.0 19.4 29.0

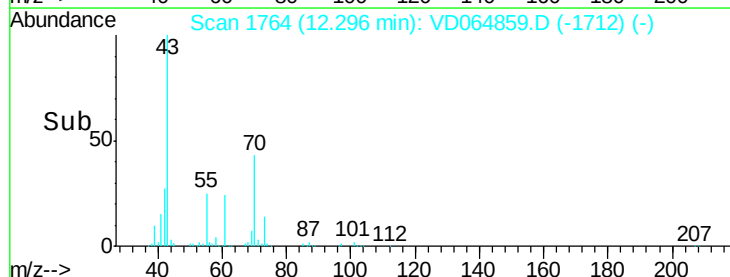
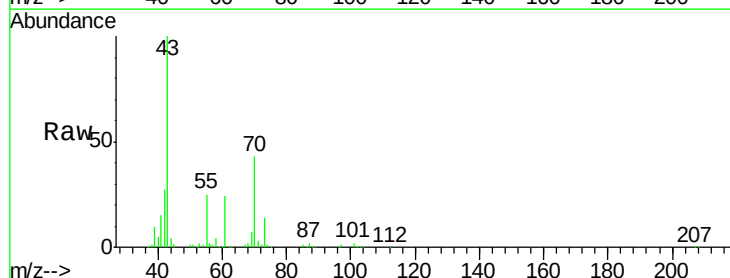
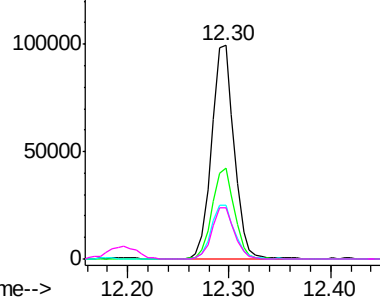
61 23.8 18.3 27.5

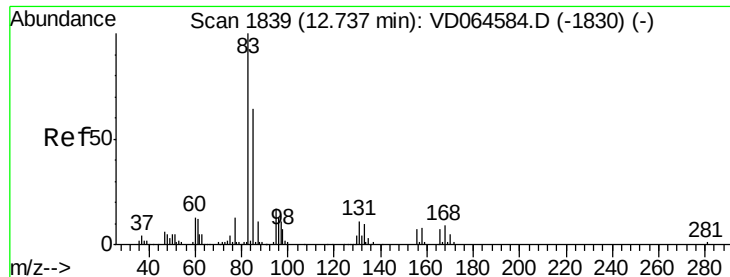
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 46.308 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

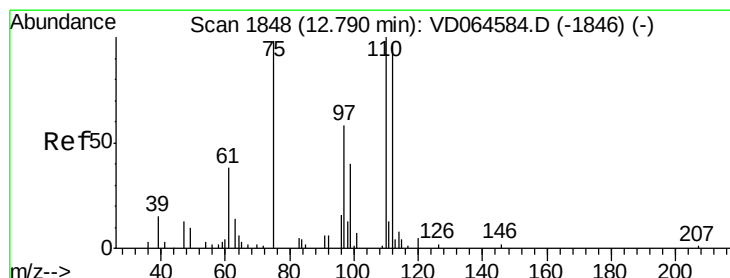
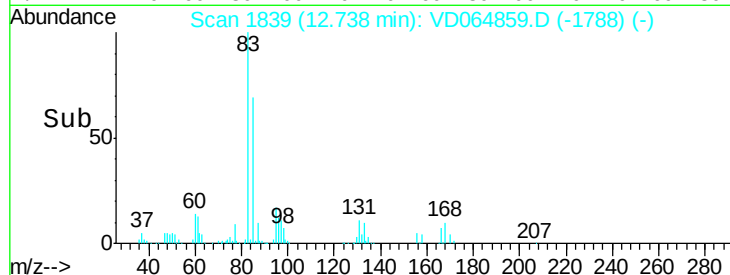
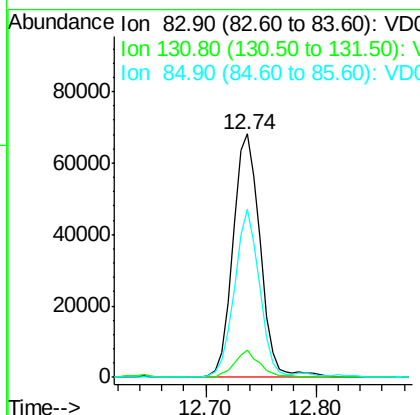
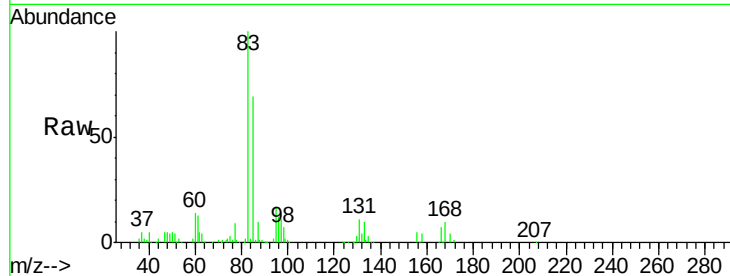
ClientSampled :

EP-3MS

Tot Ion:	83	Resp:	118185
Ion Ratio	Lower	Upper	
83	100		
131	10.7	5.8	17.4
85	63.6	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 41.649 ug/l m

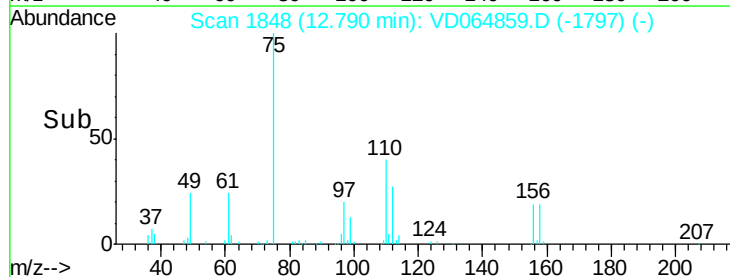
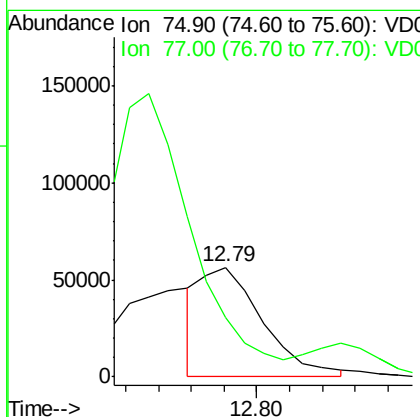
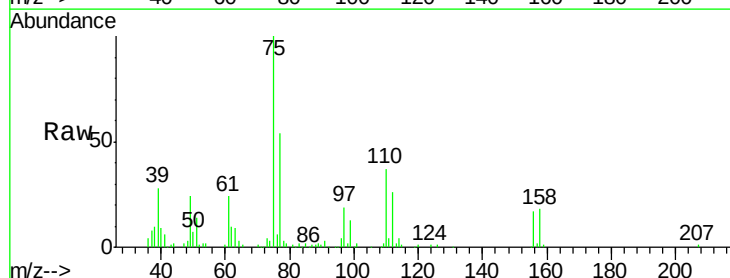
RT: 12.79 min Scan# 1848

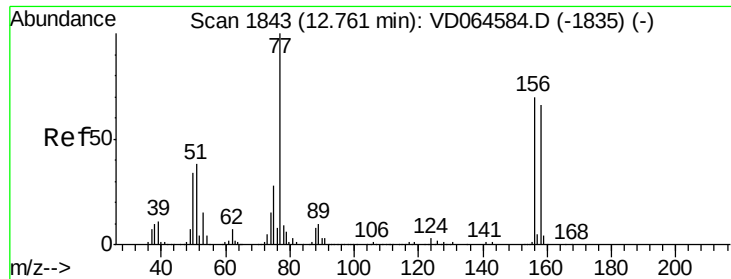
Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	75	Resp:	74770
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 40.217 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

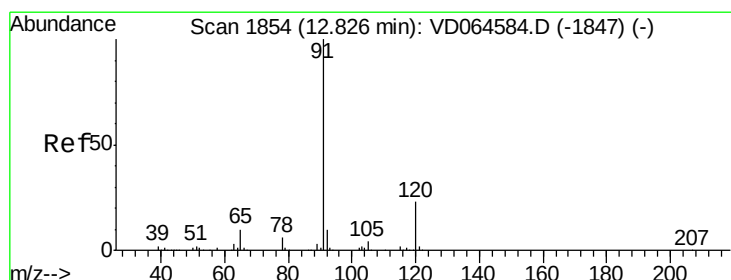
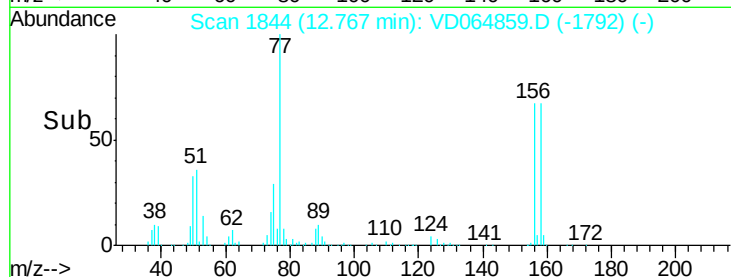
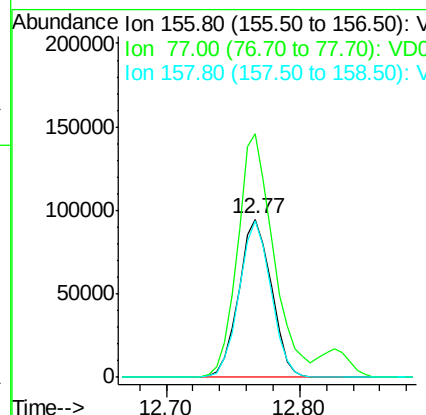
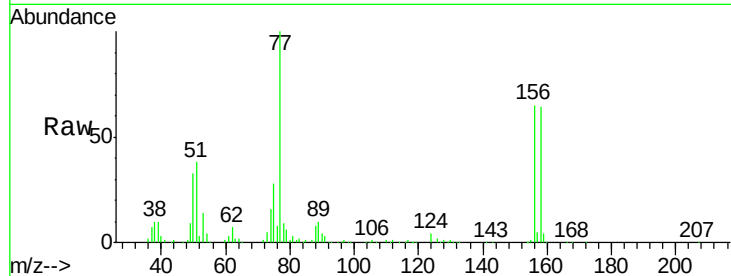
ClientSampled :

EP-3MS

Tot Ion:	156	Resp:	160548
Ion Ratio	Lower	Upper	
156	100		
77	169.9	80.9	242.7
158	96.7	48.0	144.2

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#78

n-propylbenzene

Concen: 35.220 ug/l

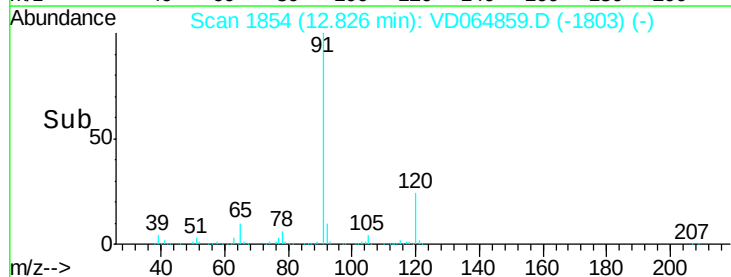
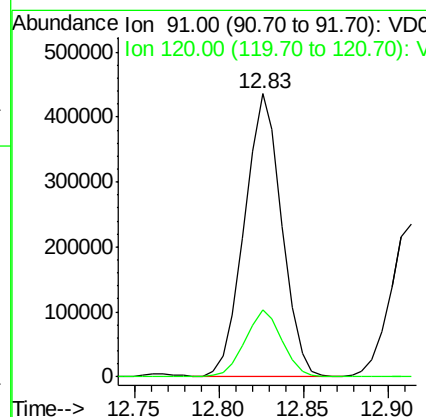
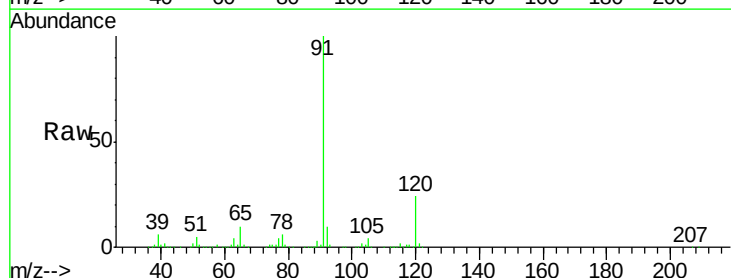
RT: 12.83 min Scan# 1854

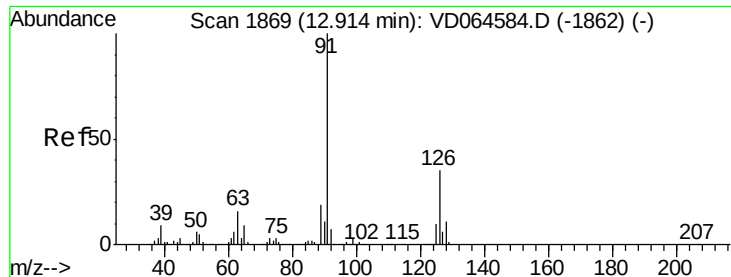
Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	91	Resp:	667538
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.9	35.9





#79

2-Chlorotoluene

Concen: 37.802 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion: 91 Resp: 393592

Ion Ratio Lower Upper

91 100

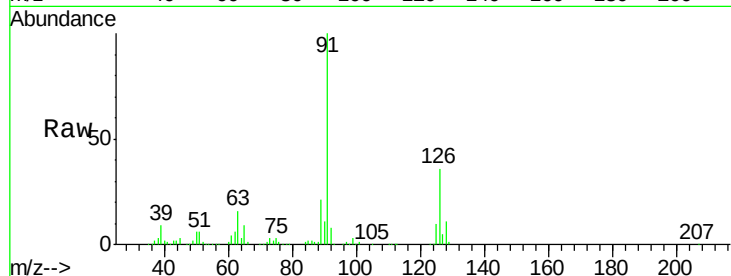
126 35.0 17.8 53.5

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Abundance Ion 91.00 (90.70 to 91.70): VD064584.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064584.D (-1862) (-)

250000

200000

150000

100000

50000

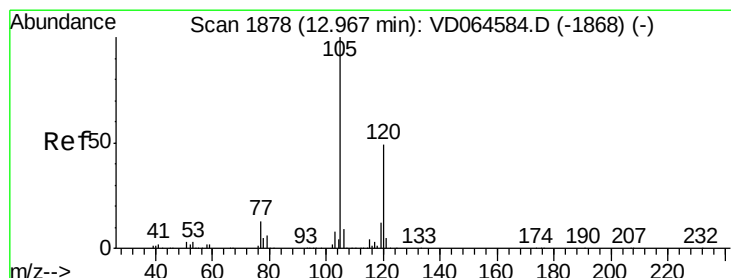
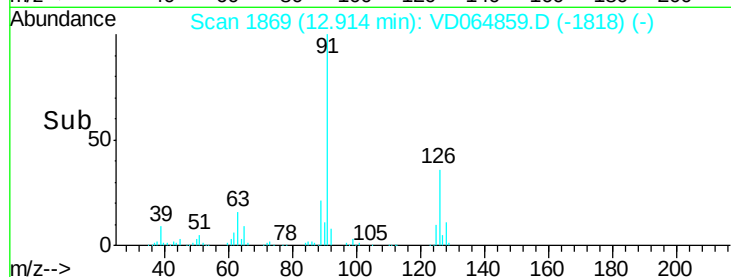
0

12.85

12.90

12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 35.617 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064859.D

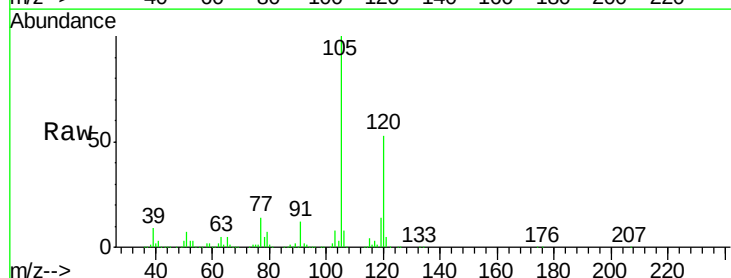
Acq: 17 Jan 2020 13:23

Tgt Ion:105 Resp: 475342

Ion Ratio Lower Upper

105 100

120 51.1 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064584.D (-1868) (-)

Ion 120.00 (119.70 to 120.70): VD064584.D (-1868) (-)

300000

200000

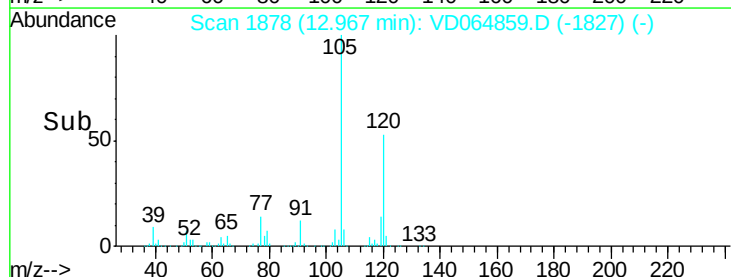
100000

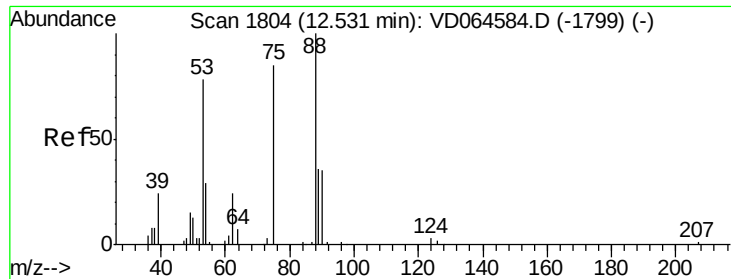
0

12.90

13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 46.306 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 75 Resp: 39748

Ion Ratio Lower Upper

75 100

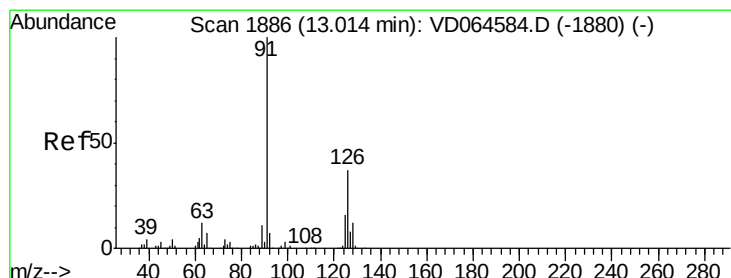
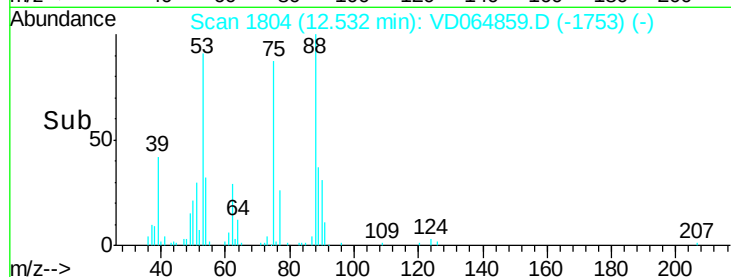
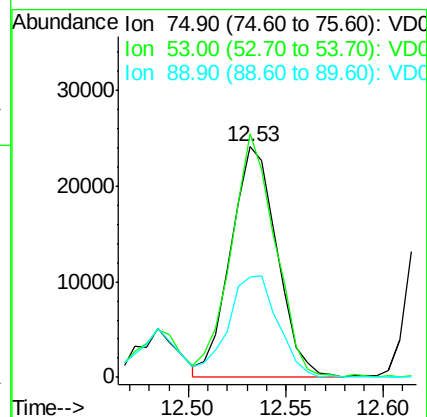
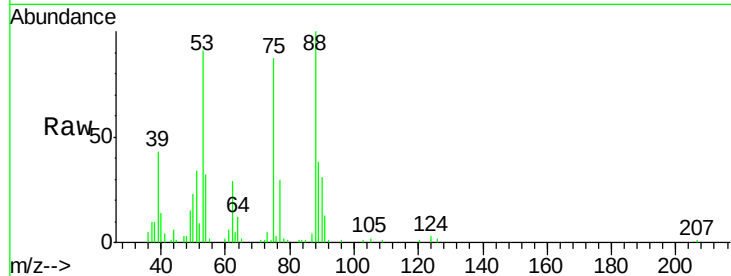
53 100.8 78.8 118.2

89 47.1 38.3 57.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 37.837 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064859.D

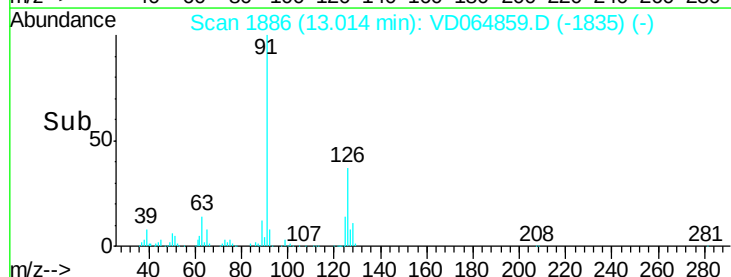
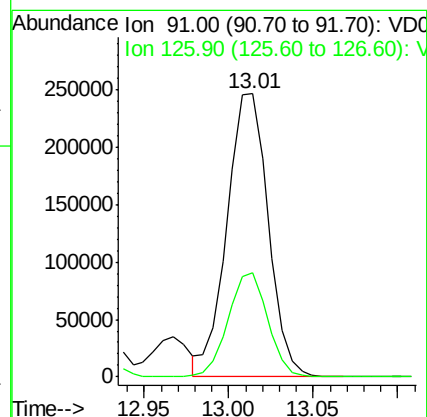
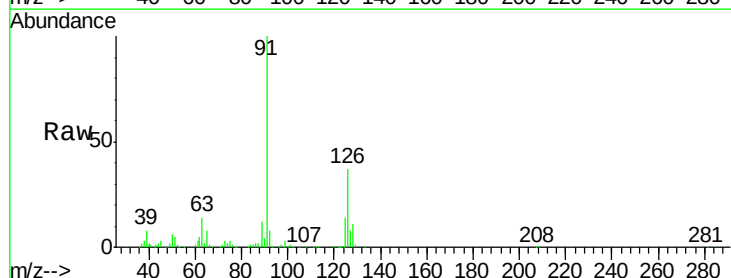
Acq: 17 Jan 2020 13:23

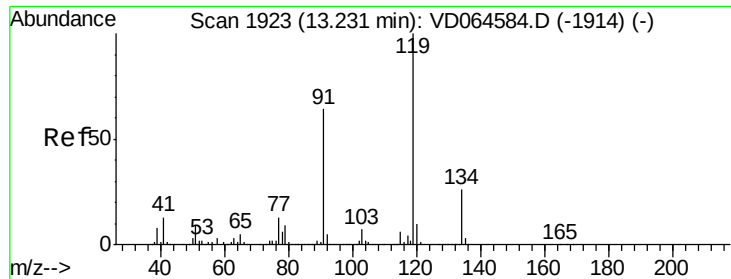
Tgt Ion: 91 Resp: 419251

Ion Ratio Lower Upper

91 100

126 35.3 17.8 53.5





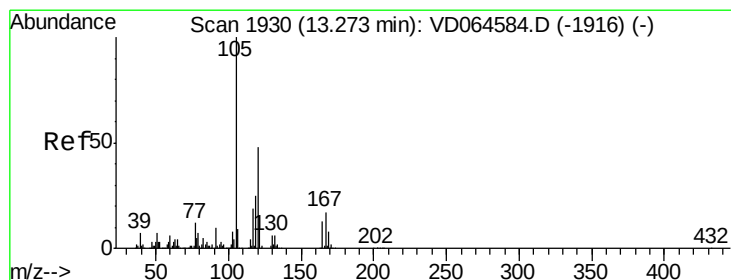
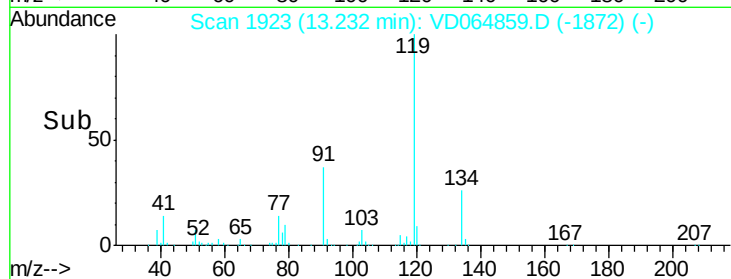
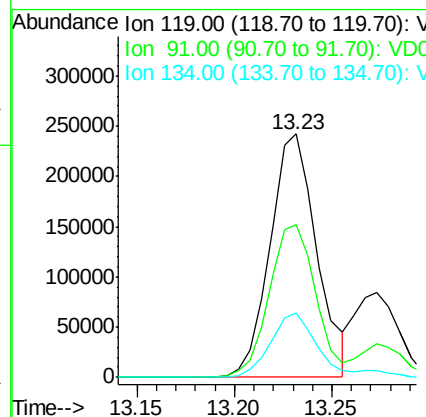
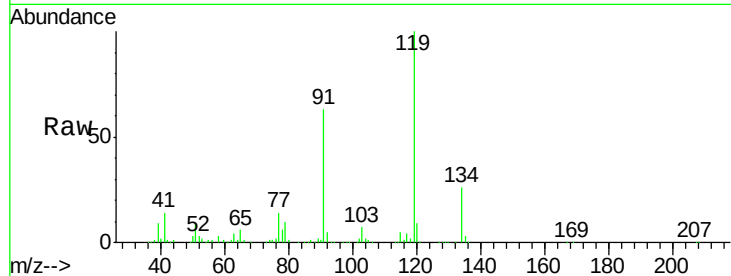
#83
 tert-Butylbenzene
 Concen: 34.655 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.8	92.4
134	27.9	12.8	38.3

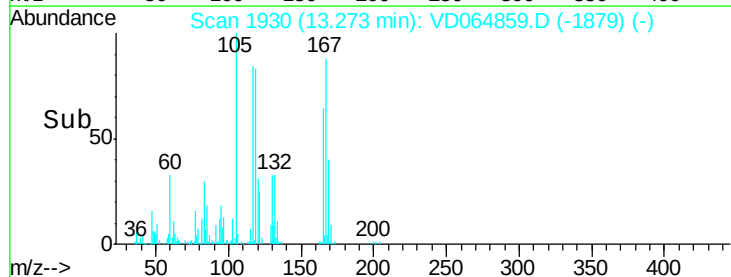
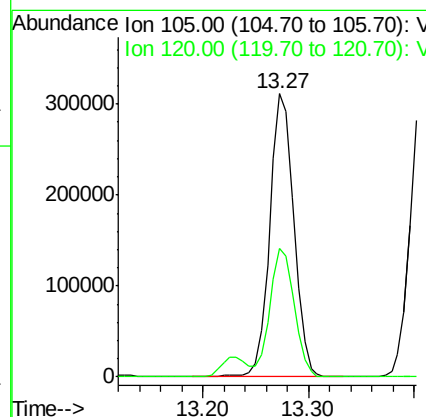
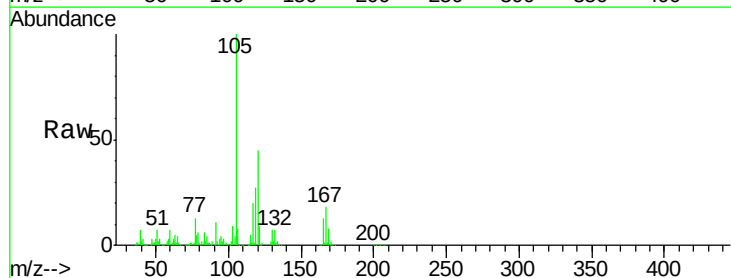
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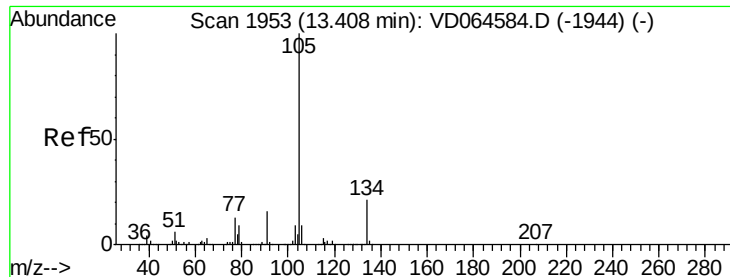
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#84
 1,2,4-Trimethylbenzene
 Concen: 36.958 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.5	23.8	71.2





#85

sec-Butylbenzene

Concen: 33.359 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion:105 Resp: 529927

Ion Ratio Lower Upper

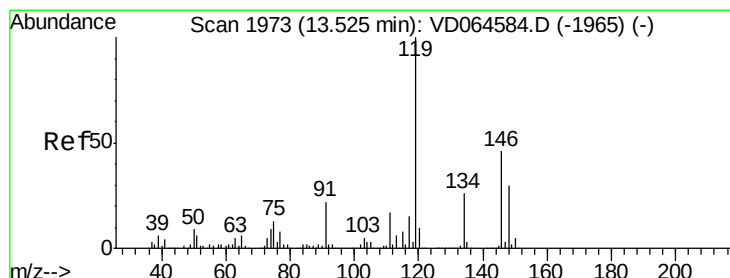
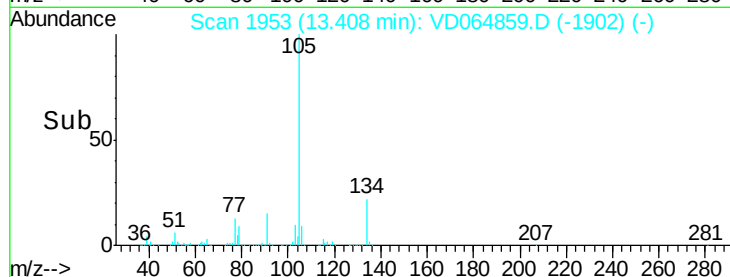
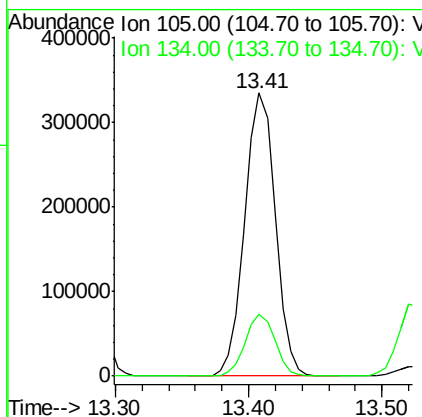
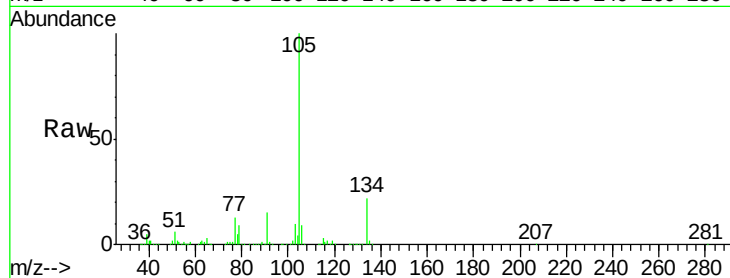
105 100

134 21.2 10.6 31.8

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#86

p-Isopropyltoluene

Concen: 33.726 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

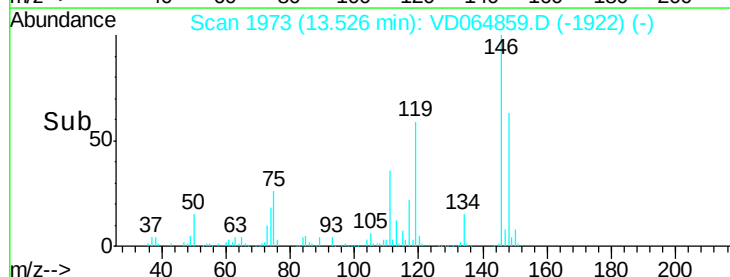
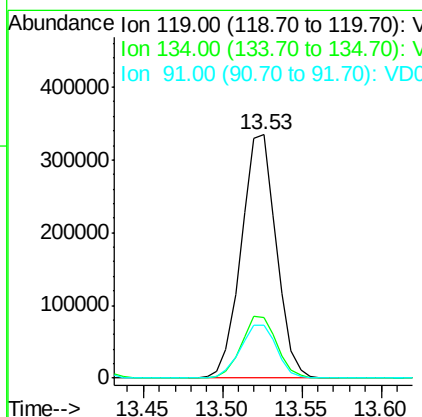
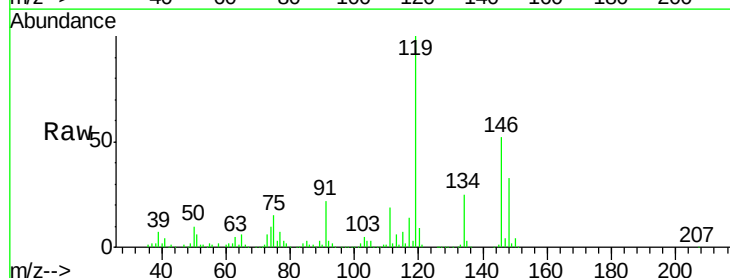
Tgt Ion:119 Resp: 512291

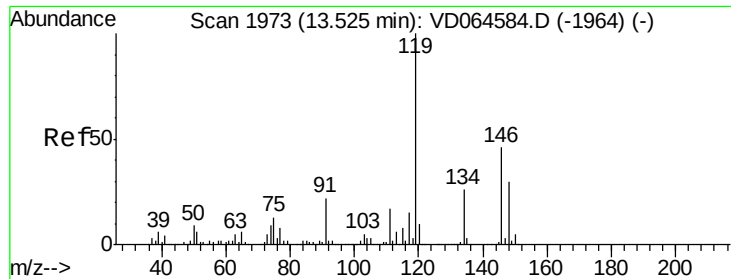
Ion Ratio Lower Upper

119 100

134 25.9 13.4 40.1

91 22.6 11.2 33.6





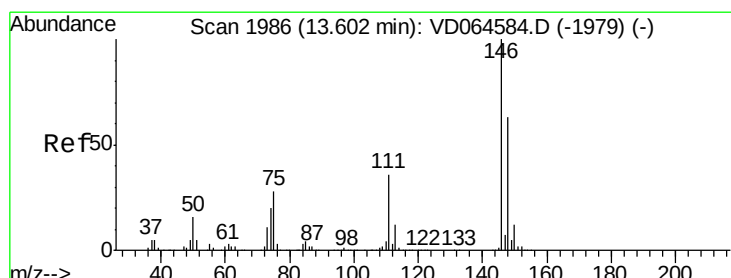
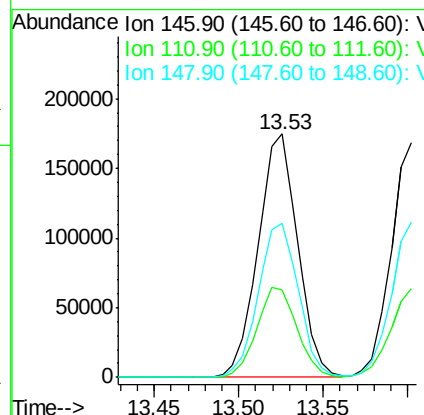
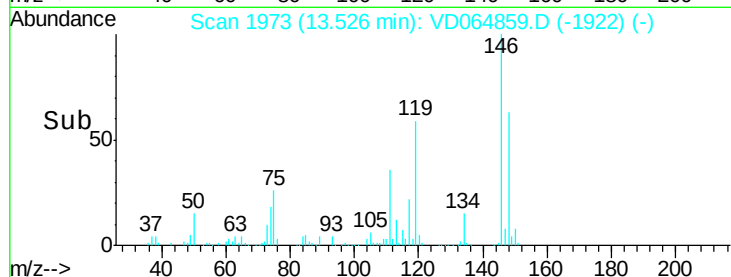
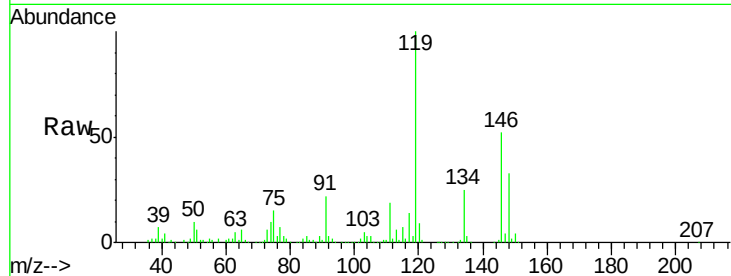
#87
 1,3-Dichlorobenzene
 Concen: 37.457 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	285048		
111	37.6	18.8	56.4	
148	63.9	32.5	97.5	

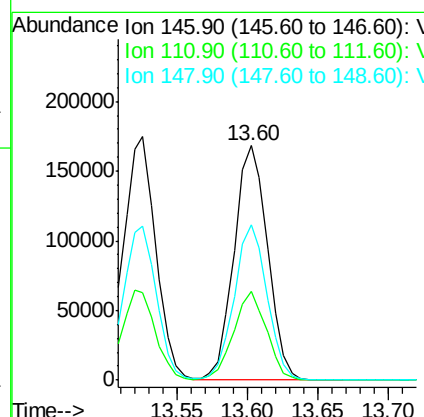
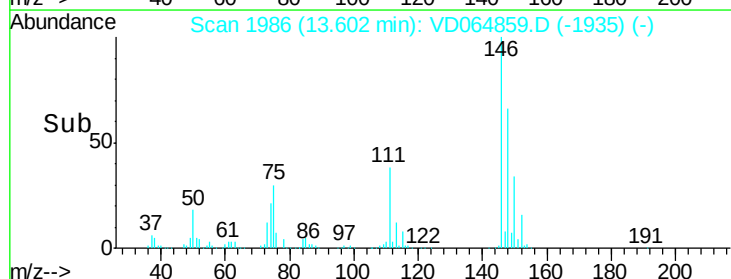
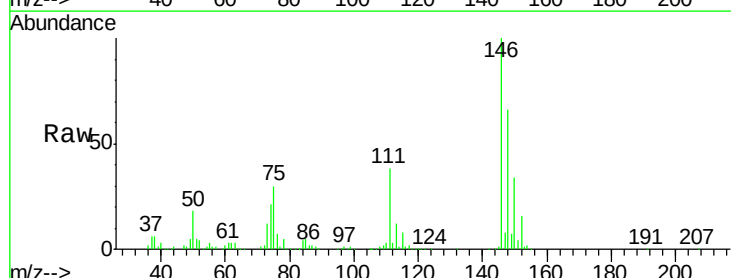
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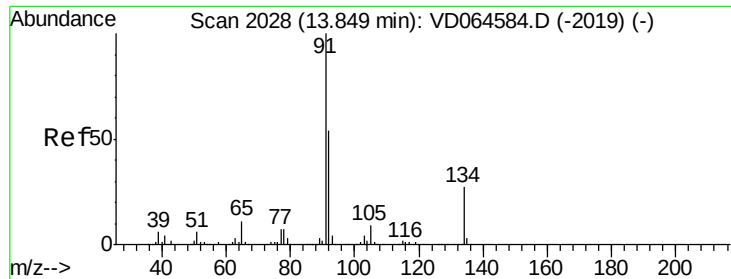
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 1/20/2020 11:14:14 AM



#88
 1,4-Dichlorobenzene
 Concen: 37.378 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	279434		
111	37.1	18.1	54.1	
148	64.8	32.3	96.9	





#89

n-Butylbenzene

Concen: 32.558 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Instrument :

MSVOA_D

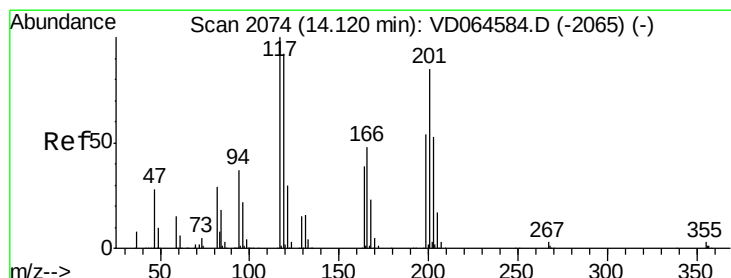
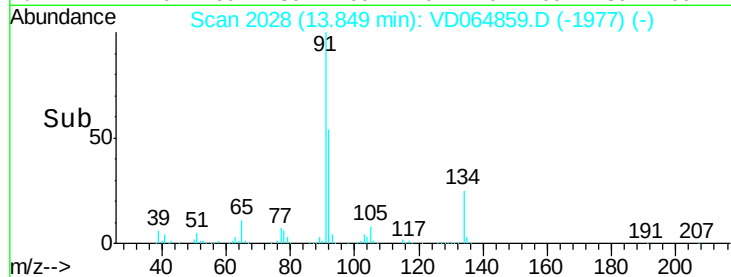
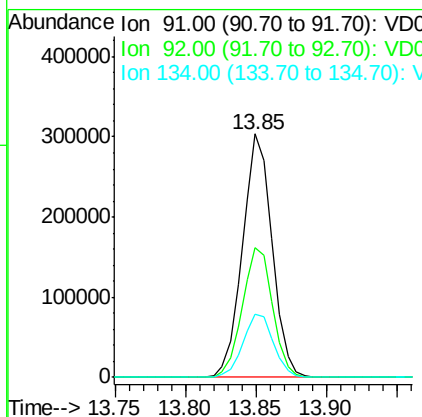
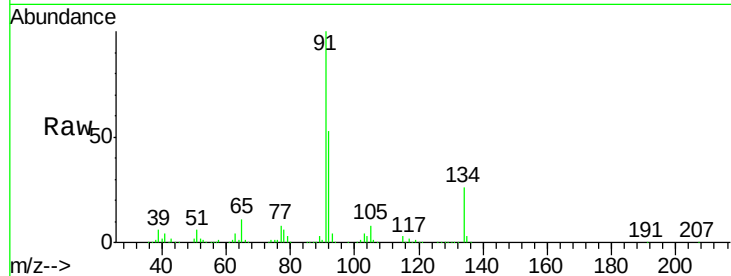
ClientSampled :

EP-3MS

Tot Ion:	91	Resp:	445352
Ion Ratio	Lower	Upper	
91	100		
92	54.3	26.8	80.4
134	27.0	14.0	41.9

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#90

Hexachloroethane

Concen: 34.993 ug/l

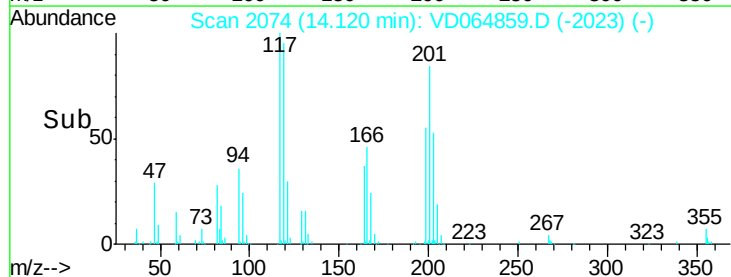
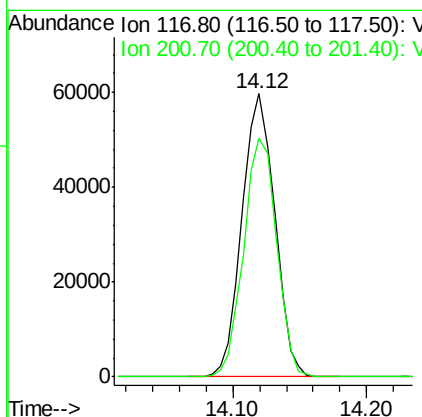
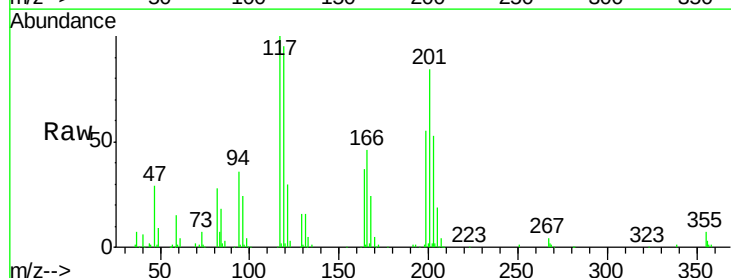
RT: 14.12 min Scan# 2074

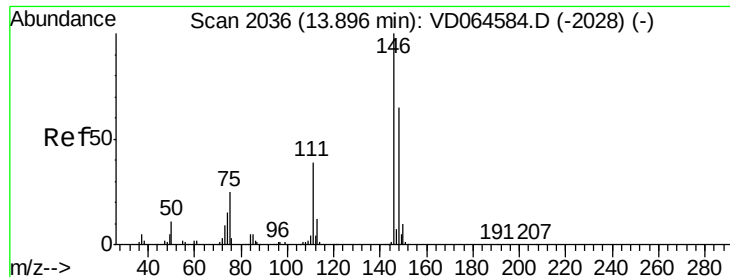
Delta R.T. 0.00 min

Lab File: VD064859.D

Acq: 17 Jan 2020 13:23

Tgt Ion:	117	Resp:	101535
Ion Ratio	Lower	Upper	
117	100		
201	84.4	44.0	131.8





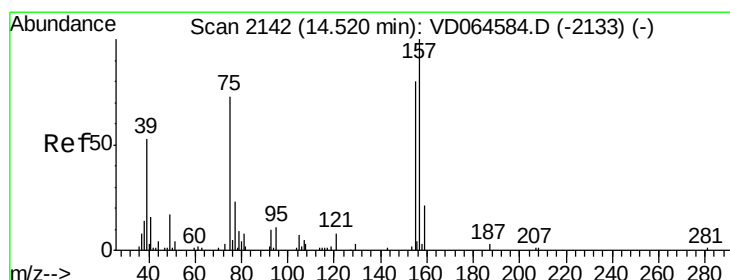
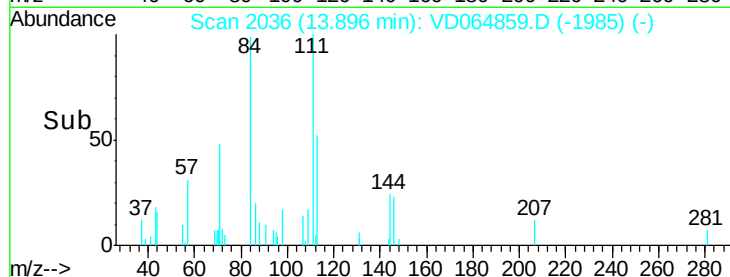
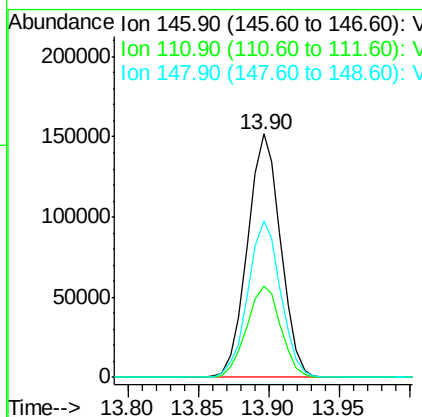
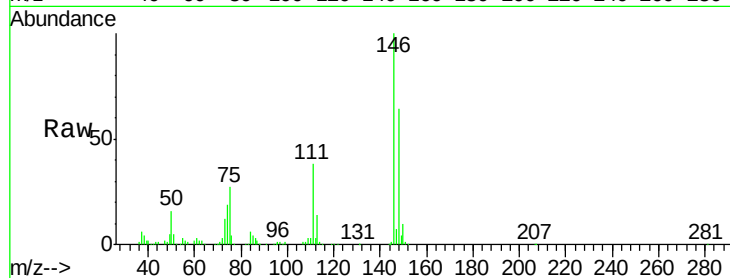
#91
 1,2-Dichlorobenzene
 Concen: 38.552 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MS

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	63.9	31.9	95.5

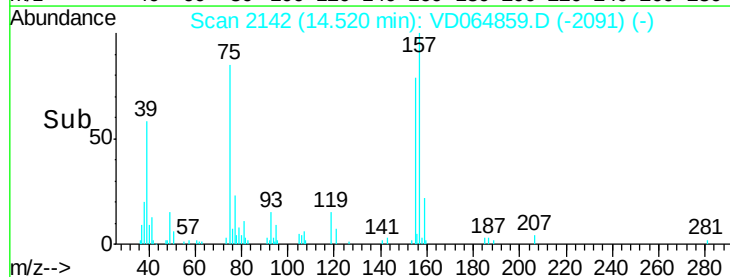
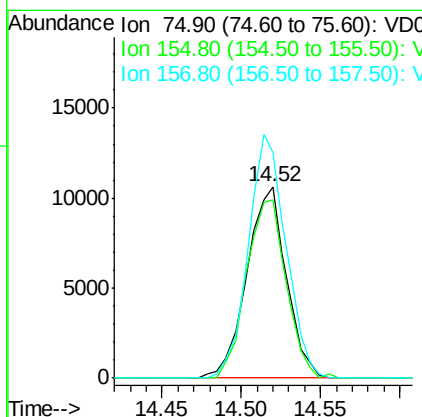
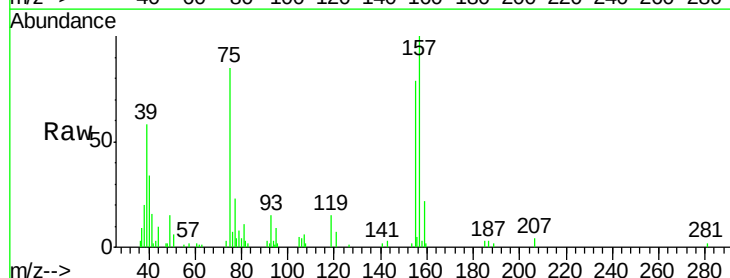
Manual Integrations
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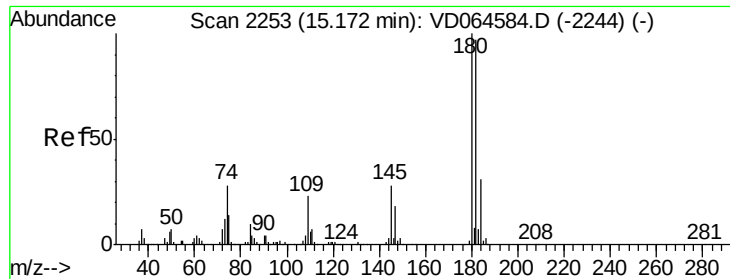
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.497 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.7	48.0	144.0
157	121.4	64.1	192.3





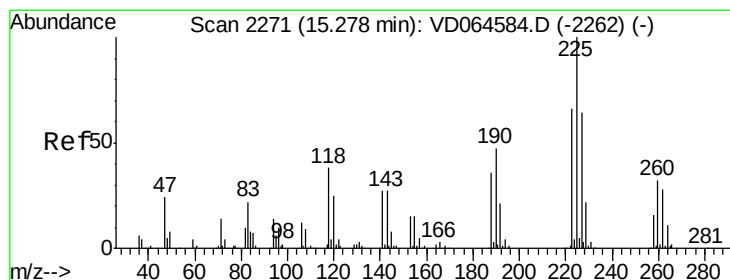
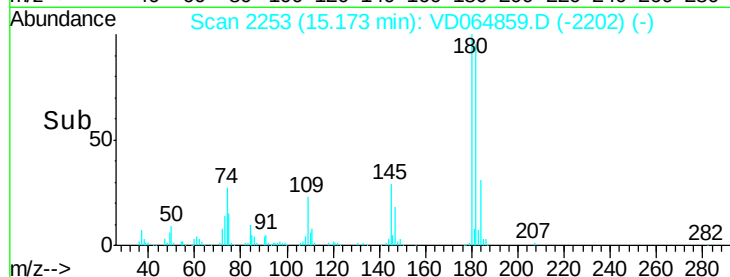
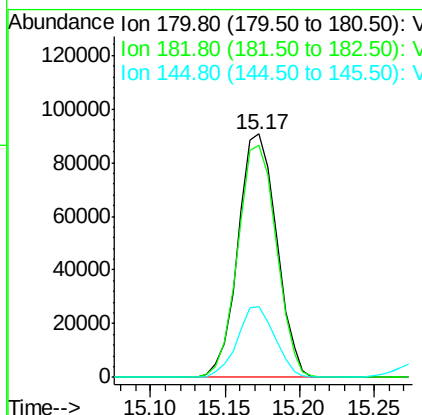
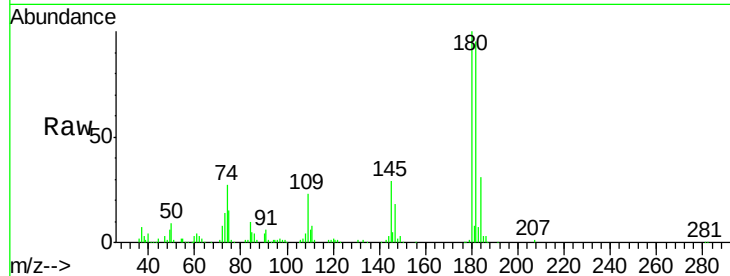
#93
 1,2,4-Trichlorobenzene
 Concen: 34.014 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	162521		
182	95.6	48.0	144.2	
145	28.4	13.8	41.4	

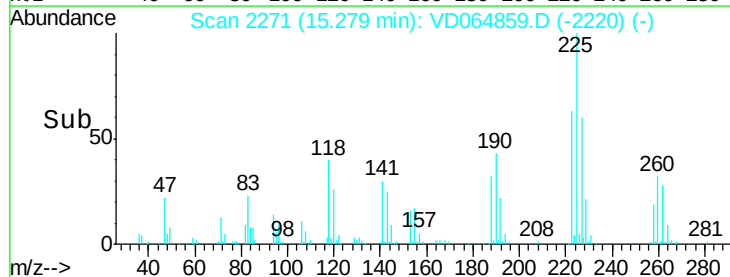
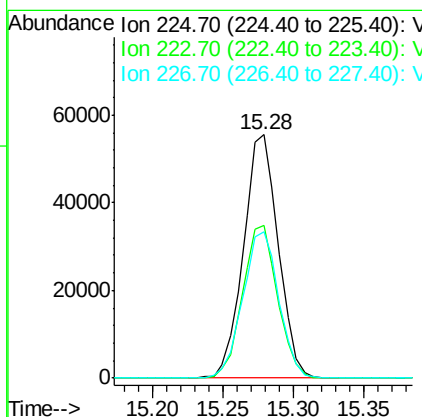
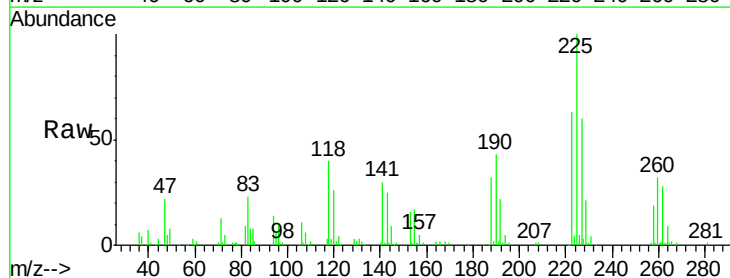
Manual Integrations
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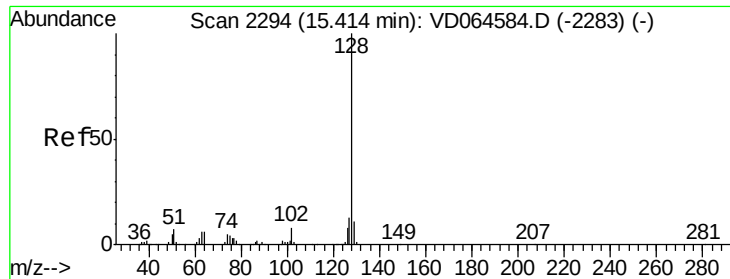
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#94
 Hexachlorobutadiene
 Concen: 31.910 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064859.D
 Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	95943		
223	62.8	31.1	93.2	
227	62.3	30.9	92.7	





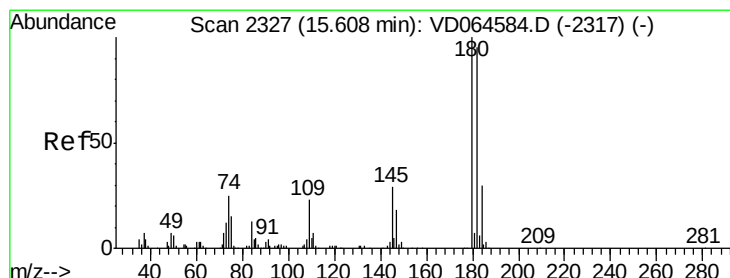
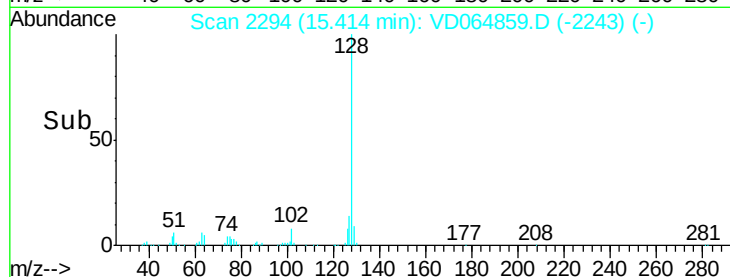
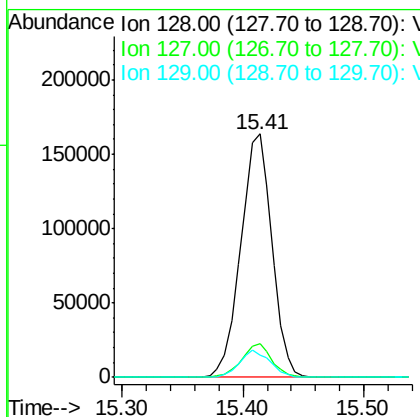
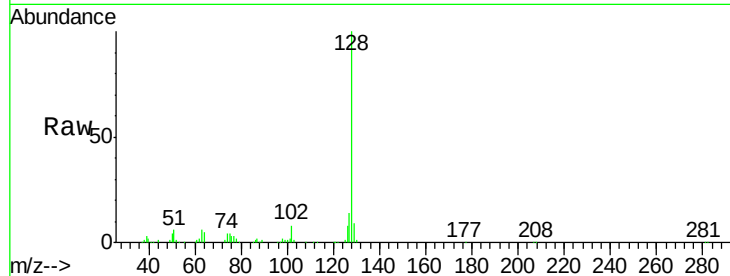
#95
Naphthalene
Concen: 39.060 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	295253		
127	13.4	10.3	15.5	
129	11.0	8.5	12.7	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 34.641 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064859.D
Acq: 17 Jan 2020 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141303		
182	96.4	47.9	143.7	
145	30.2	14.9	44.7	

