

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064883.D
 Acq On : 20 Jan 2020 11:46
 Operator : VA/SY
 Sample : L1176-04MS
 Misc : 5.17G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 9:23:24 AM

Quant Time: Jan 21 04:37:10 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	7.99	168	357541	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509941	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	439560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214264	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	141176	44.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.56%	
35) Dibromofluoromethane	7.92	113	152030	48.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.18%	
50) Toluene-d8	10.34	98	595578	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	12.64	95	183614	48.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	111484	40.122	ug/l	99
3) Chloromethane	2.21	50	176315	45.371	ug/l	97
4) Vinyl Chloride	2.35	62	207421	43.777	ug/l	99
5) Bromomethane	2.77	94	136041	39.488	ug/l	95
6) Chloroethane	2.93	64	144420	45.489	ug/l	98
7) Trichlorofluoromethane	3.27	101	346871	43.478	ug/l	99
8) Diethyl Ether	3.71	74	66430	41.931	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	161922	49.008	ug/l	97
10) Methyl Iodide	4.29	142	168806	47.564	ug/l	100
11) Tert butyl alcohol	5.25	59	31753	175.736	ug/l	99
12) 1,1-Dichloroethene	4.06	96	149494	47.525	ug/l	99
13) Acrolein	3.93	56	20754	82.418	ug/l	93
14) Allyl chloride	4.71	41	244458	49.845	ug/l	99
15) Acrylonitrile	5.44	53	126601	191.850	ug/l	100
16) Acetone	4.17	43	159040	238.431	ug/l	98
17) Carbon Disulfide	4.40	76	424511	41.737	ug/l	100
18) Methyl Acetate	4.73	43	73738	41.543	ug/l #	76
19) Methyl tert-butyl Ether	5.49	73	300599	43.024	ug/l	96
20) Methylene Chloride	4.96	84	170668	53.247	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	175263	48.924	ug/l	94
22) Diisopropyl ether	6.37	45	490754	50.168	ug/l	97
23) Vinyl Acetate	6.31	43	1129869	203.614	ug/l	99
24) 1,1-Dichloroethane	6.27	63	309782	52.751	ug/l	98
25) 2-Butanone	7.23	43	182896	211.046	ug/l	100
26) 2,2-Dichloropropane	7.21	77	293757	53.801	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	188413	48.734	ug/l	93
28) Bromochloromethane	7.55	49	109535	47.982	ug/l	99
29) Tetrahydrofuran	7.57	42	99584	184.782	ug/l	96
30) Chloroform	7.71	83	319684	51.886	ug/l	98
31) Cyclohexane	7.99	56	262954	44.732	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	302353	52.246	ug/l	99
36) 1,1-Dichloropropene	8.11	75	251072	51.154	ug/l	98
37) Ethyl Acetate	7.31	43	71360	37.009	ug/l	96
38) Carbon Tetrachloride	8.10	117	271418	51.861	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	276041	46.435	ug/l	95
40) Benzene	8.36	78	685345	51.150	ug/l	98
41) Methacrylonitrile	7.53	41	46414	41.488	ug/l	98
42) 1,2-Dichloroethane	8.43	62	181775	46.947	ug/l	98
43) Isopropyl Acetate	8.46	43	149031	38.832	ug/l	96
44) Trichloroethene	9.11	130	194685	49.461	ug/l	95
45) 1,2-Dichloropropane	9.39	63	164983	51.571	ug/l	97
46) Dibromomethane	9.48	93	77904	43.677	ug/l	100
47) Bromodichloromethane	9.67	83	238131	50.173	ug/l	96
48) Methyl methacrylate	9.46	41	69934	38.700	ug/l	95
49) 1,4-Dioxane	9.47	88	15194	738.778	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	366549	193.227	ug/l	99
52) Toluene	10.41	92	455963	51.869	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	202421	45.745	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	256609	49.181	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	107379	44.672	ug/l	97
56) Ethyl methacrylate	10.67	69	121652	40.524	ug/l	98
57) 1,3-Dichloropropane	10.96	76	186141	44.975	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	225664	197.307	ug/l	100
59) 2-Hexanone	10.99	43	273270	212.245	ug/l	99
60) Dibromochloromethane	11.14	129	149921	45.102	ug/l	98
61) 1,2-Dibromoethane	11.26	107	95727	40.377	ug/l	100
64) Tetrachloroethene	10.88	164	166662	49.422	ug/l	97
65) Chlorobenzene	11.68	112	462261	50.670	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	178840	52.000	ug/l	97
67) Ethyl Benzene	11.75	91	861118	52.004	ug/l	100
68) m/p-Xylenes	11.86	106	664836	104.021	ug/l	97
69) o-Xylene	12.19	106	299225	51.832	ug/l	99
70) Styrene	12.20	104	519201	51.237	ug/l	99
71) Bromoform	12.37	173	82925	42.280	ug/l #	99
73) Isopropylbenzene	12.48	105	832364	54.361	ug/l	100
74) N-amyl acetate	12.30	43	133345	40.740	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	102356	42.554	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	56270m	33.257	ug/l	
77) Bromobenzene	12.77	156	183678	48.820	ug/l	100
78) n-propylbenzene	12.83	91	975870	54.630	ug/l	99
79) 2-Chlorotoluene	12.91	91	526656	53.670	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	682298	54.246	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	33732	41.697	ug/l	97
82) 4-Chlorotoluene	13.01	91	552826	52.938	ug/l	99
83) tert-Butylbenzene	13.23	119	604288	55.334	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	672199	53.661	ug/l	99
85) sec-Butylbenzene	13.41	105	827123	55.246	ug/l	98
86) p-Isopropyltoluene	13.53	119	771570	53.896	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	373099	52.020	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	358358	50.861	ug/l	99
89) n-Butylbenzene	13.86	91	702502	54.492	ug/l	98
90) Hexachloroethane	14.12	117	144112	52.699	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	301101	49.233	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15809	40.543	ug/l	89

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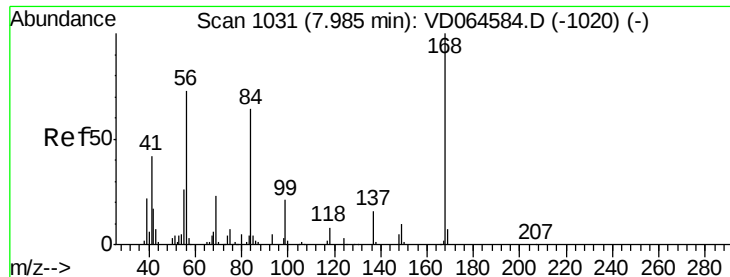
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	209440	46.510	ug/l	98
94) Hexachlorobutadiene	15.28	225	143353	50.589	ug/l	99
95) Naphthalene	15.41	128	286768	40.254	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	172617	44.901	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion:168 Resp: 357541

Ion Ratio Lower Upper

168 100

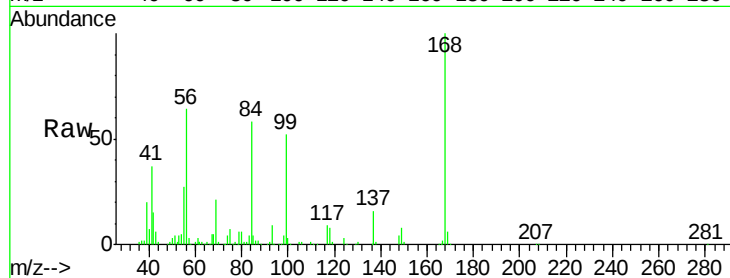
99 52.2 41.8 62.6

Manual Integrations

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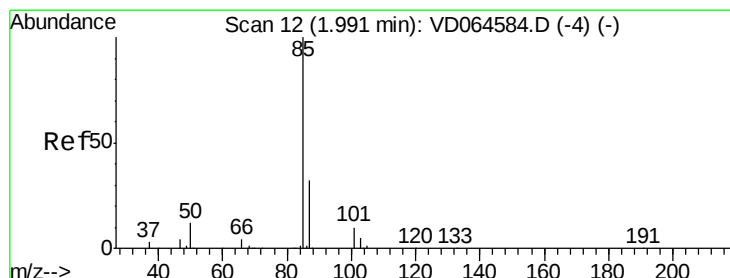
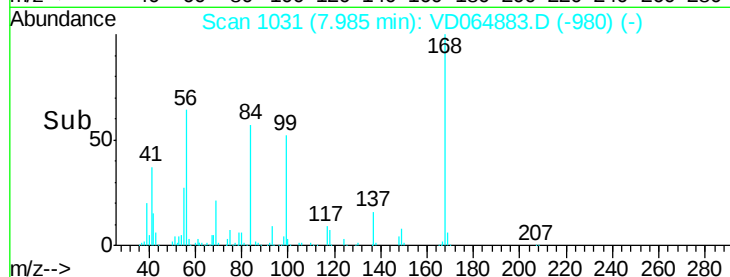
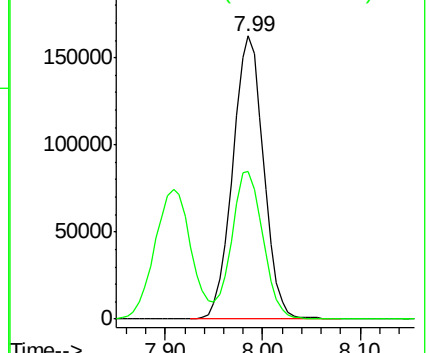
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 40.122 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064883.D

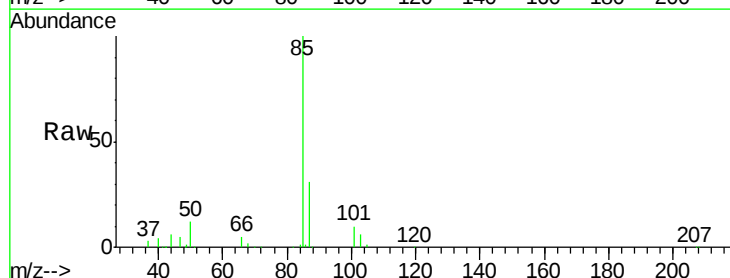
Acq: 20 Jan 2020 11:46

Tgt Ion: 85 Resp: 111484

Ion Ratio Lower Upper

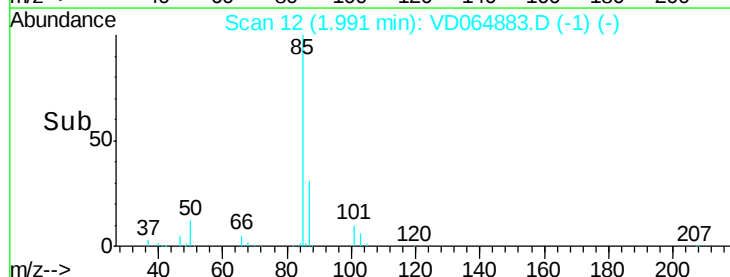
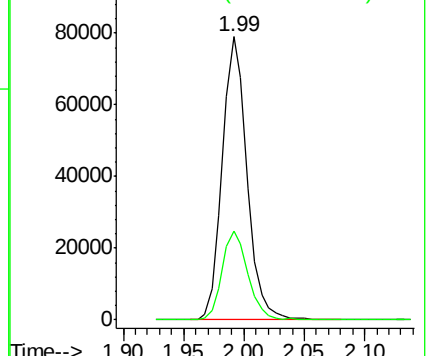
85 100

87 31.3 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: 45.371 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 50 Resp: 176315

Ion Ratio Lower Upper

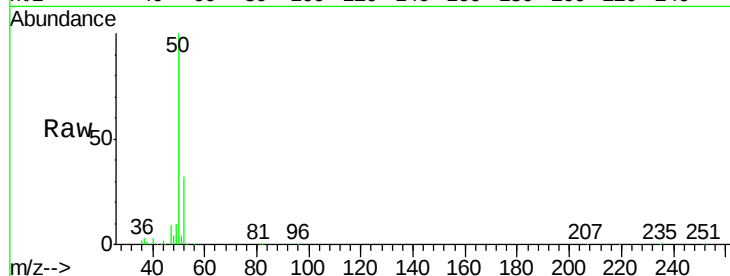
50 100

52 31.6 26.5 39.7

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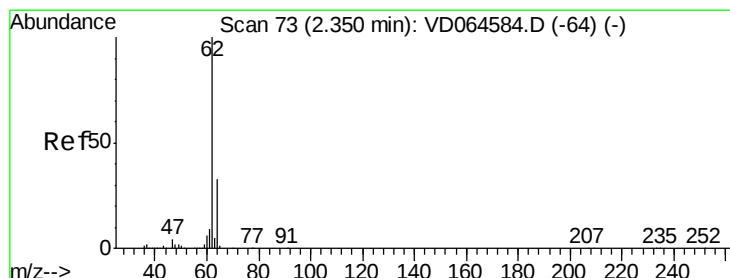
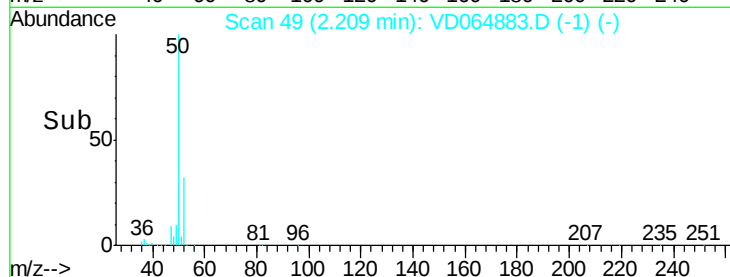
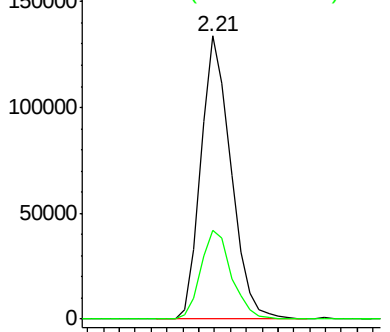
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.777 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064883.D

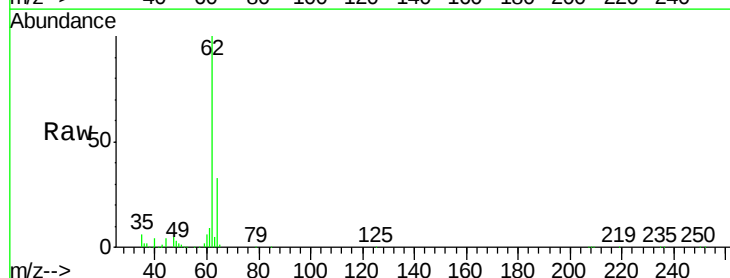
Acq: 20 Jan 2020 11:46

Tgt Ion: 62 Resp: 207421

Ion Ratio Lower Upper

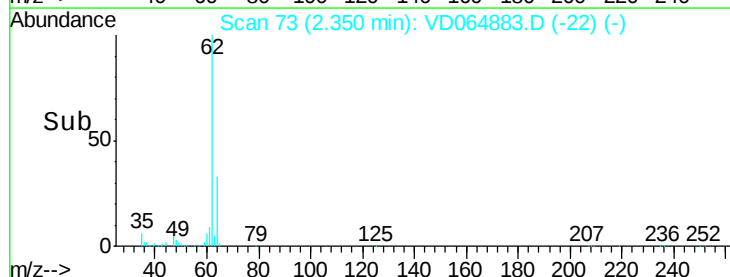
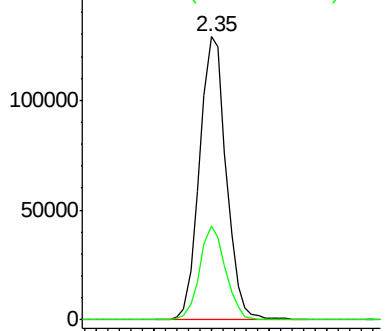
62 100

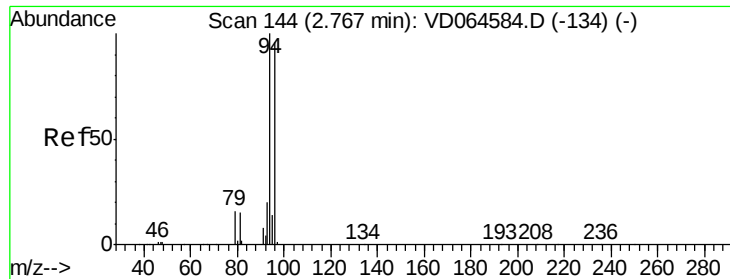
64 33.0 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 39.488 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 94 Resp: 136041

Ion Ratio Lower Upper

94 100

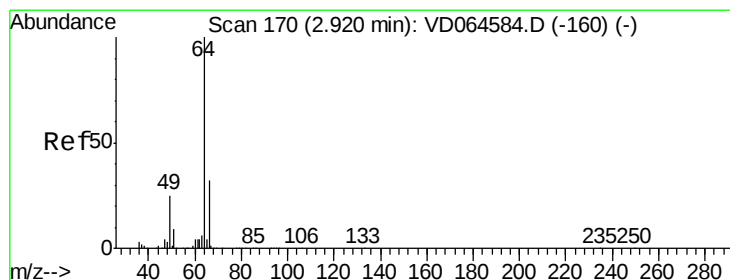
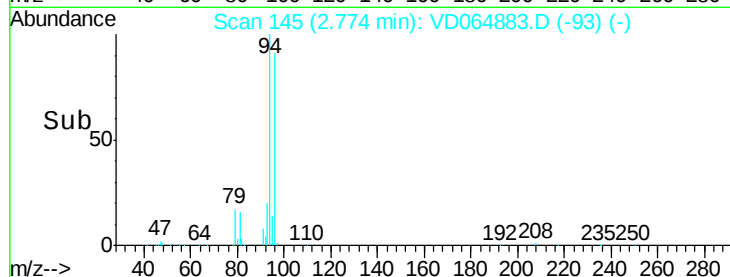
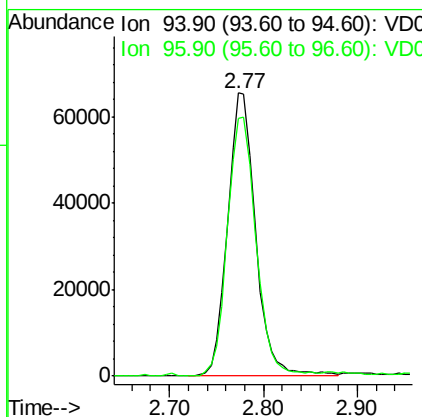
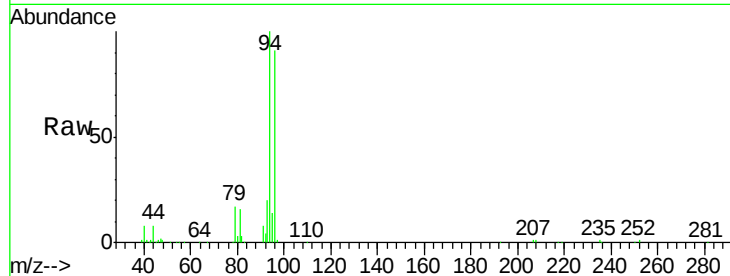
96 91.3 77.2 115.8

Manual Integrations

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#6

Chloroethane

Concen: 45.489 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064883.D

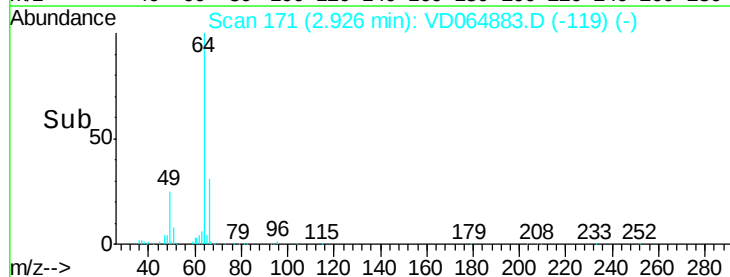
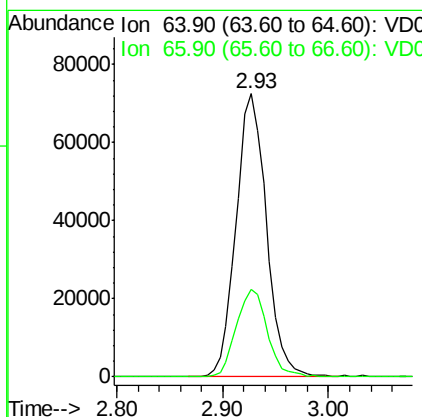
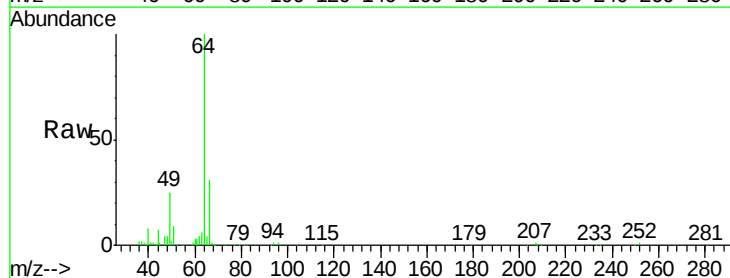
Acq: 20 Jan 2020 11:46

Tgt Ion: 64 Resp: 144420

Ion Ratio Lower Upper

64 100

66 31.1 25.9 38.9





#7

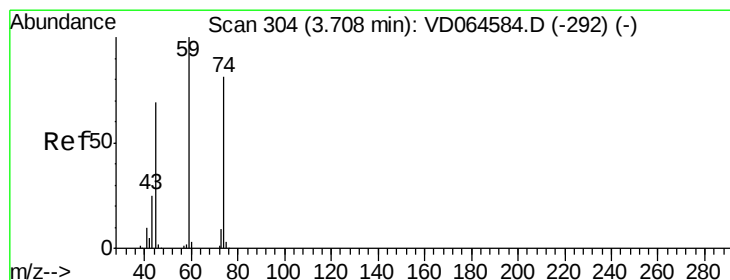
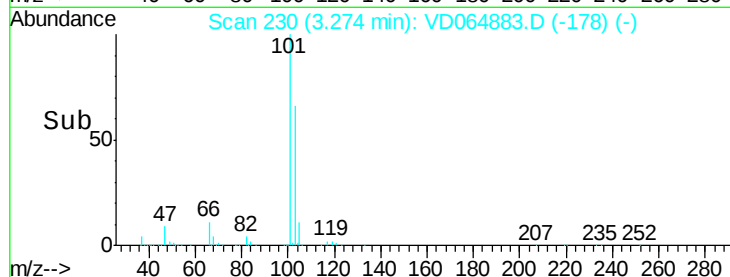
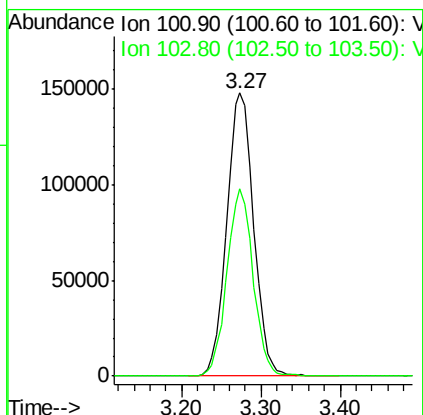
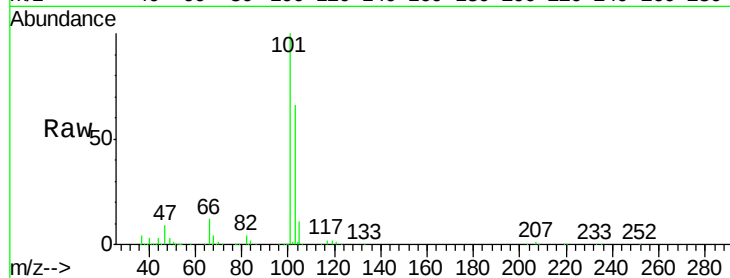
Trichlorofluoromethane
Concen: 43.478 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
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ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.2	52.2	78.4

Manual Integrations
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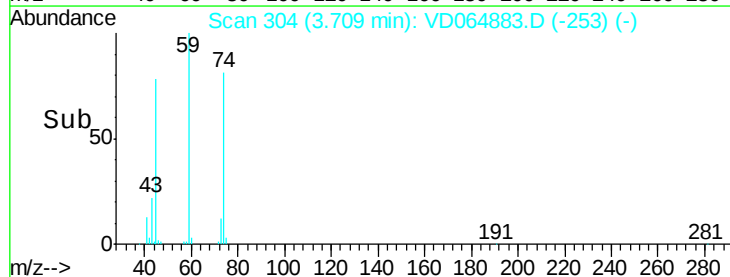
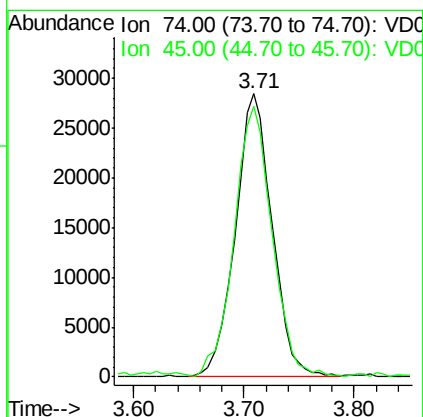
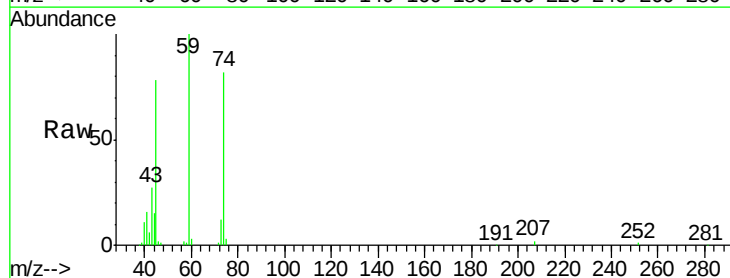
MMDadoda
1/21/2020 9:23:24 AM

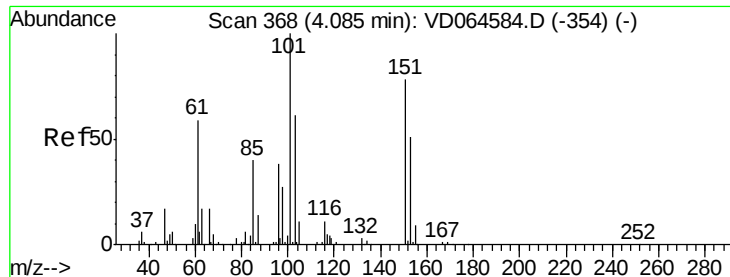


#8

Diethyl Ether
Concen: 41.931 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.008 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

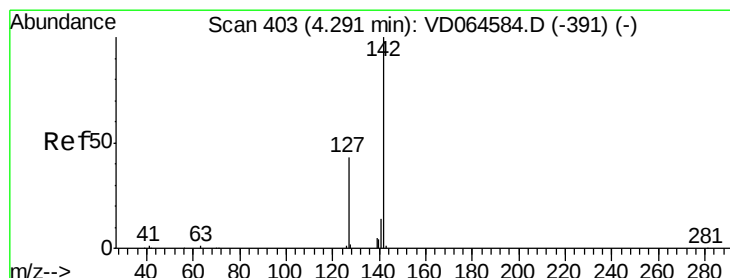
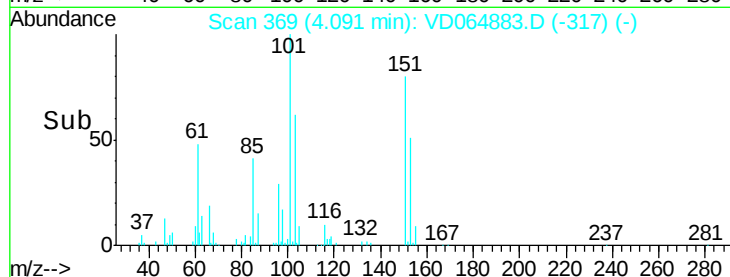
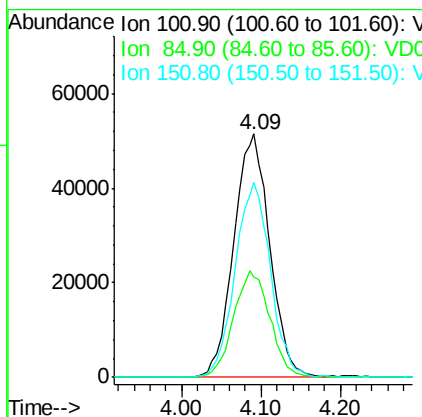
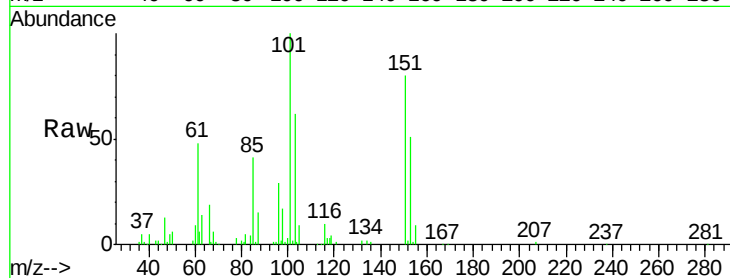
ClientSampleId :

EP-3MS

Tot Ion:	101	Resp:	161922
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	78.8	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 47.564 ug/l

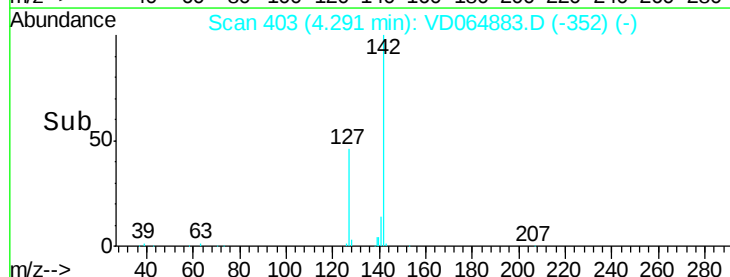
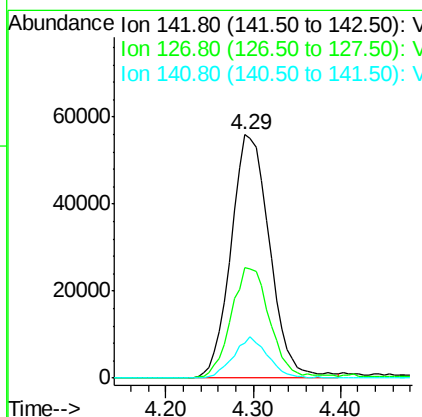
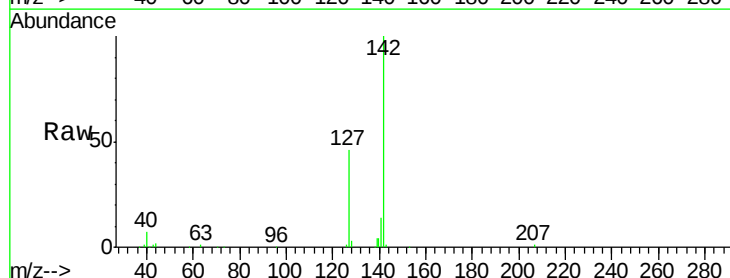
RT: 4.29 min Scan# 403

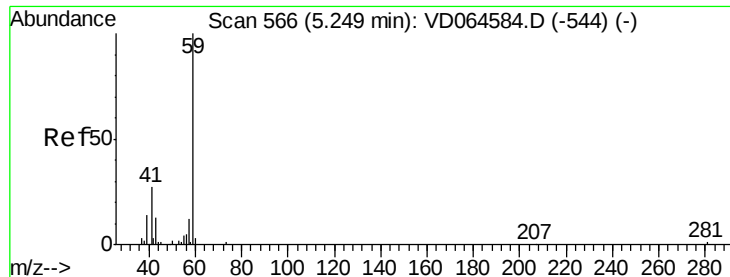
Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion:	142	Resp:	168806
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.2	54.4
141	15.1	11.8	17.8





#11

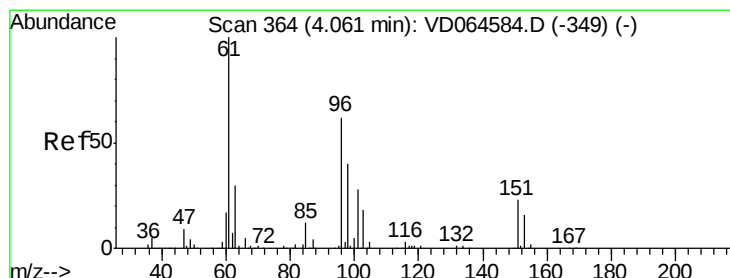
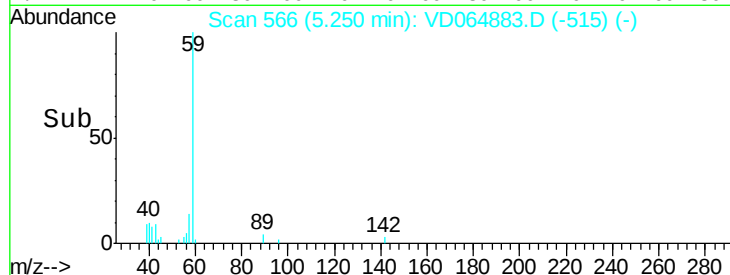
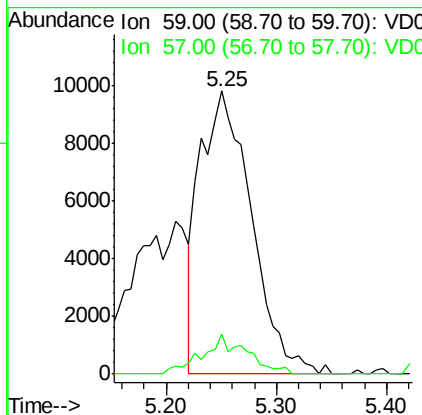
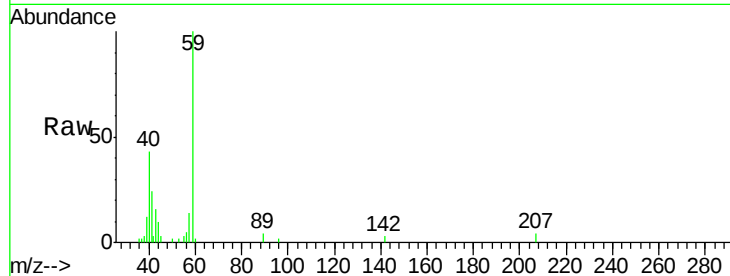
Tert butyl alcohol
Concen: 175.736 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion: 59 Resp: 31753
Ion Ratio Lower Upper
59 100
57 12.0 9.3 13.9

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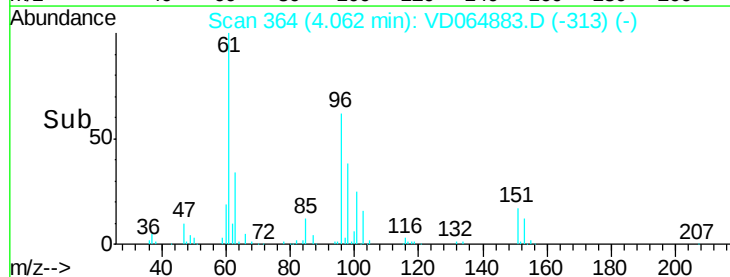
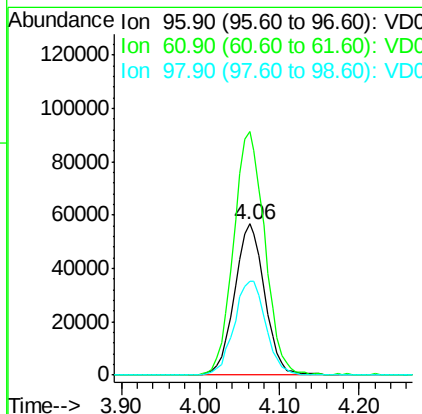
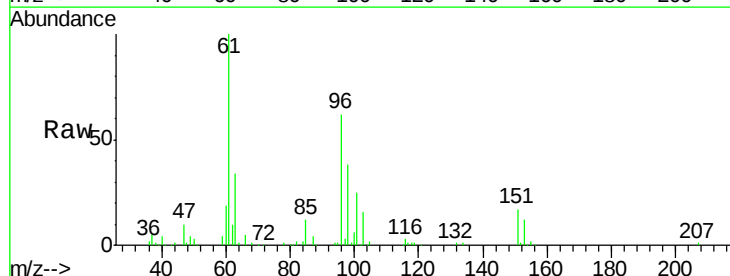
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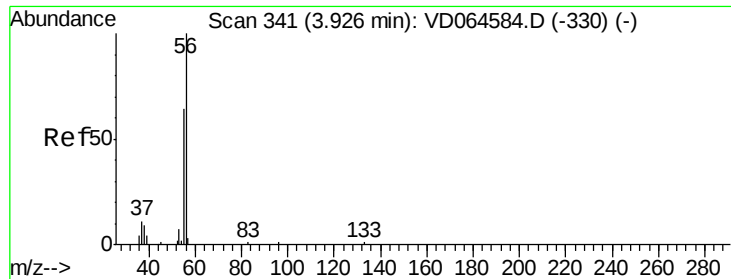


#12

1,1-Dichloroethene
Concen: 47.525 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion: 96 Resp: 149494
Ion Ratio Lower Upper
96 100
61 161.2 129.4 194.0
98 61.8 51.4 77.0





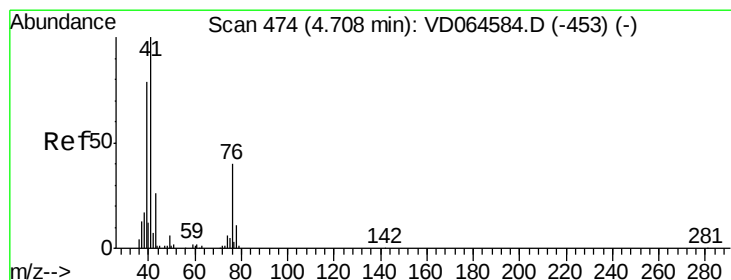
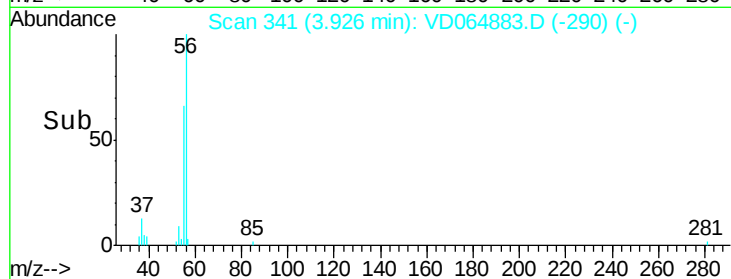
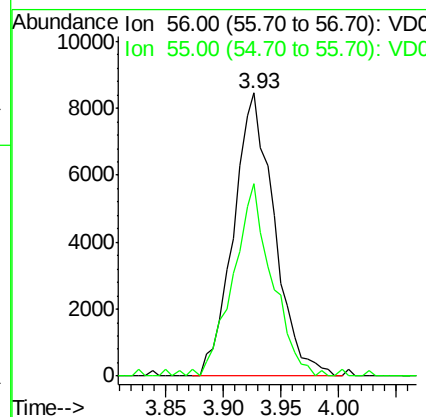
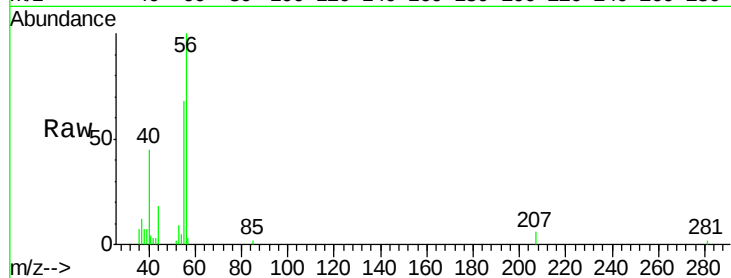
#13
Acrolein
Concen: 82.418 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	64.8	56.7	85.1

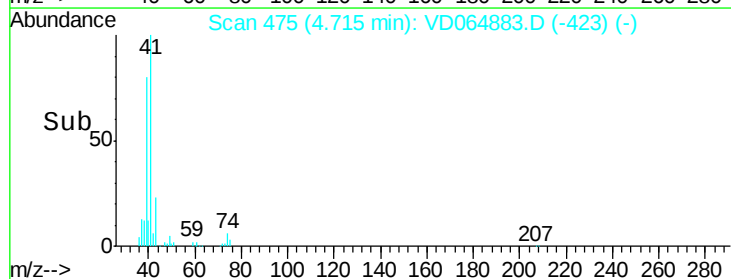
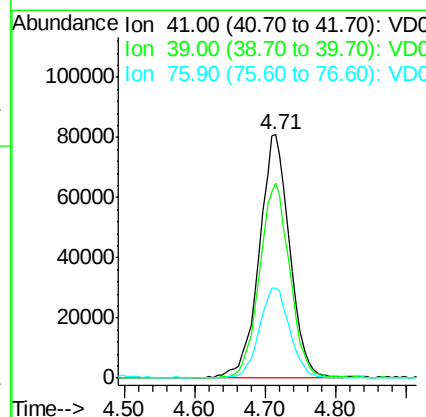
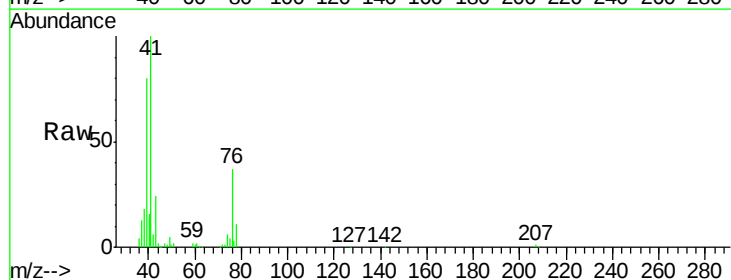
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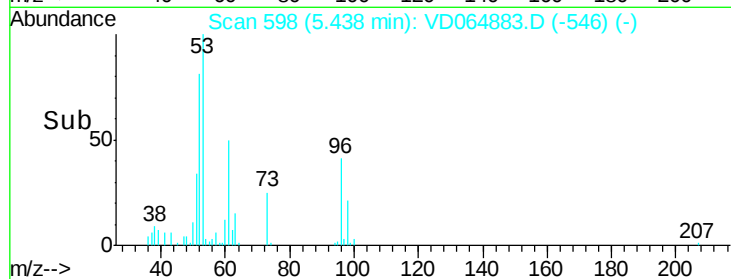
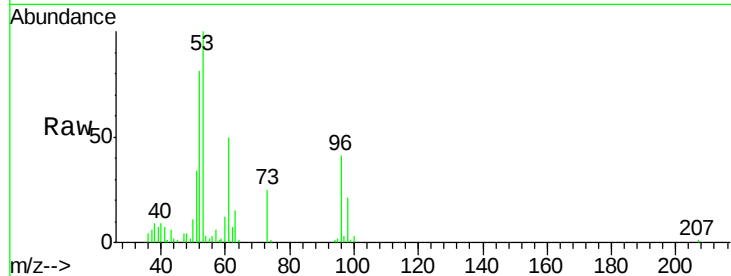
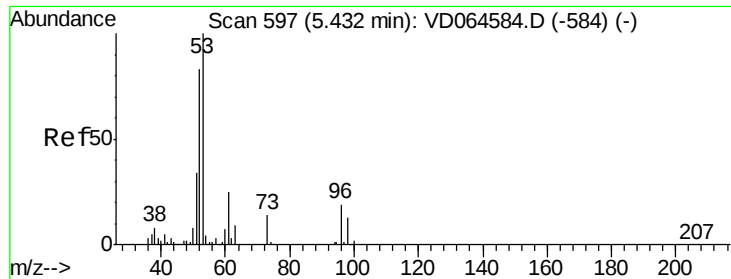
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#14
Allyl chloride
Concen: 49.845 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	79.6	62.3	93.5
76	76	37.1	29.7	44.5





#15

Acrylonitrile

Concen: 191.850 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064883.D

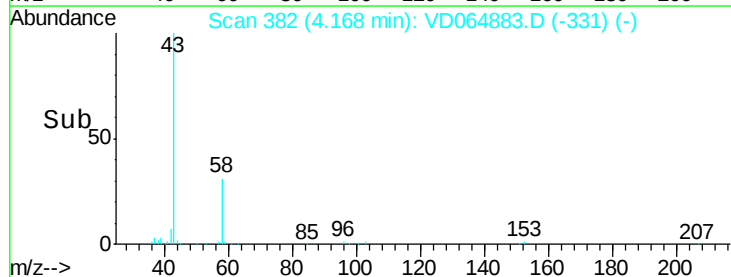
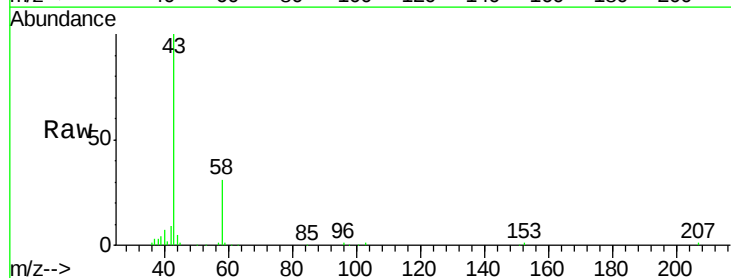
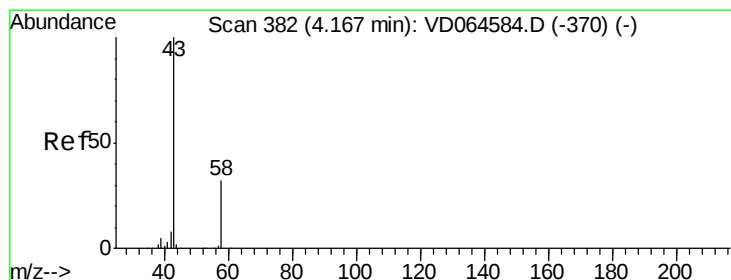
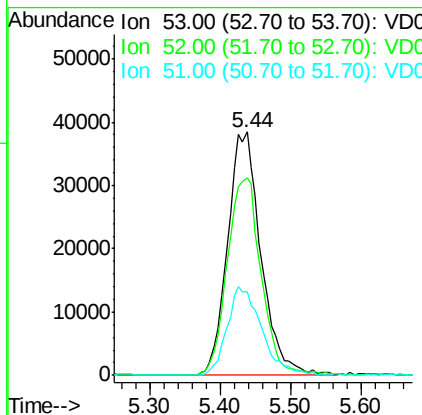
Acq: 20 Jan 2020 11:46

Tot Ion:	53	Resp:	126601
Ion Ratio	Lower	Upper	
53	100		
52	82.6	66.2	99.2
51	37.6	30.1	45.1

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

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#16

Acetone

Concen: 238.431 ug/l

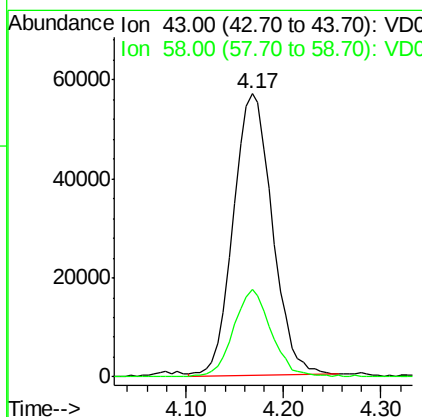
RT: 4.17 min Scan# 382

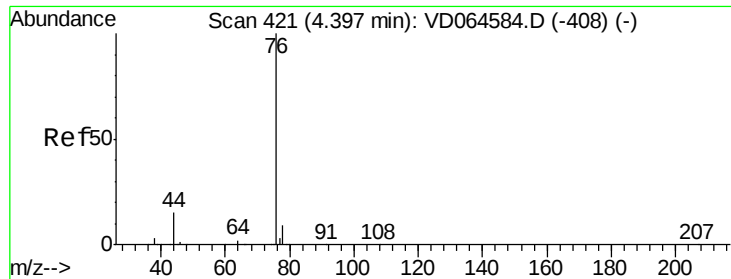
Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion:	43	Resp:	159040
Ion Ratio	Lower	Upper	
43	100		
58	31.3	25.8	38.6





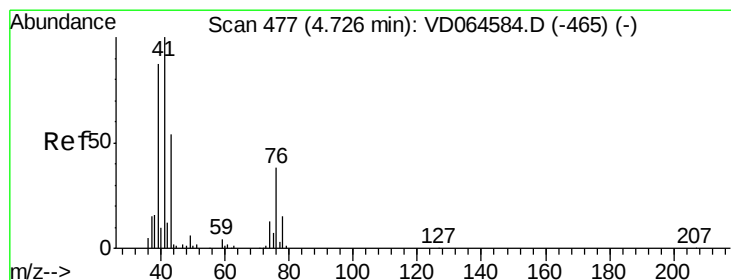
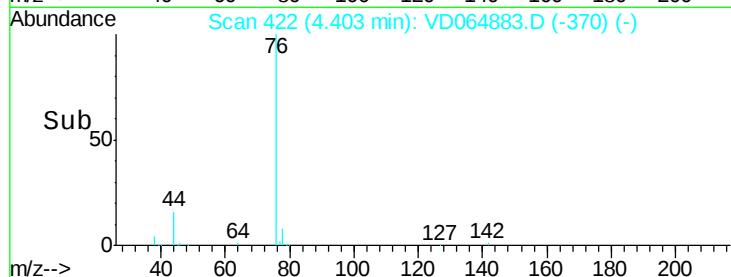
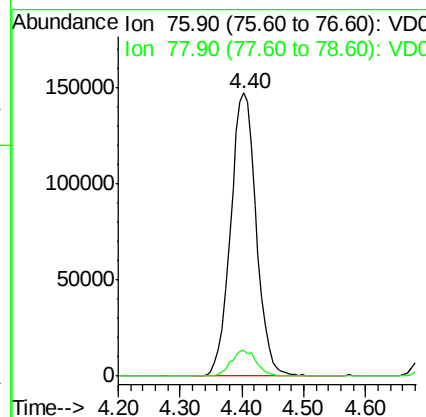
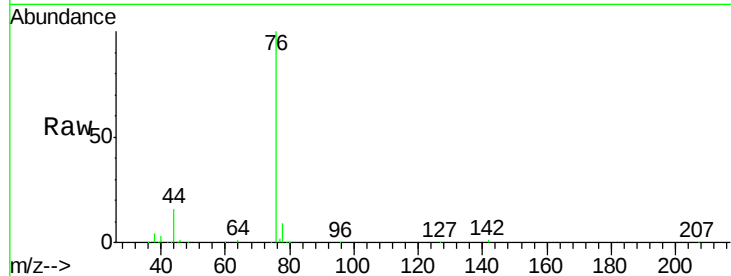
#17
Carbon Disulfide
Concen: 41.737 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

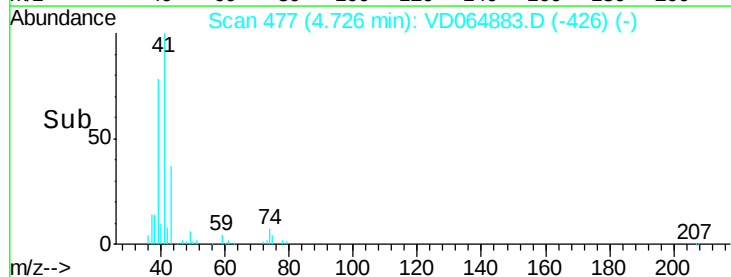
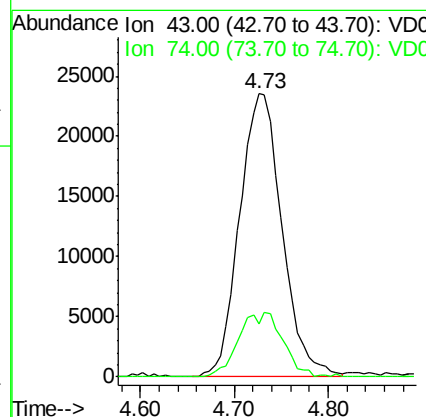
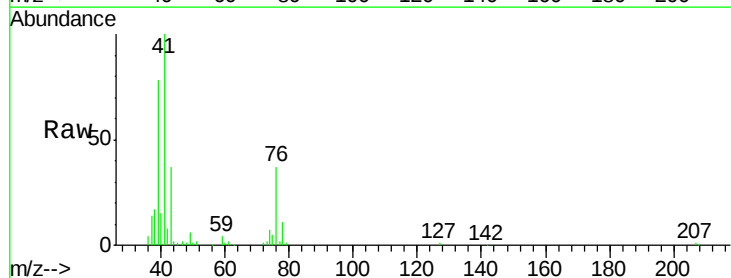
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#18
Methyl Acetate
Concen: 41.543 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	12.2	19.2	28.8#





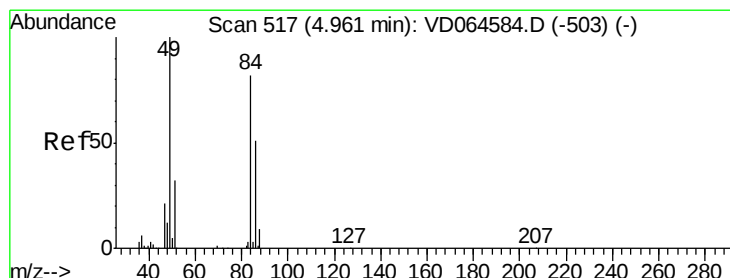
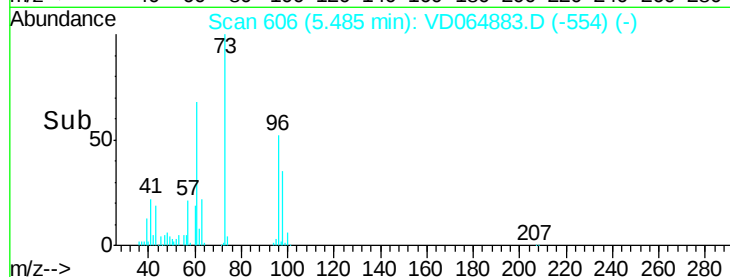
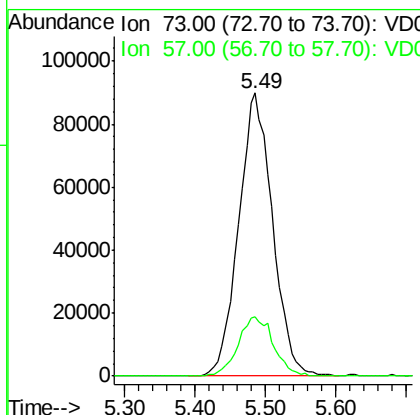
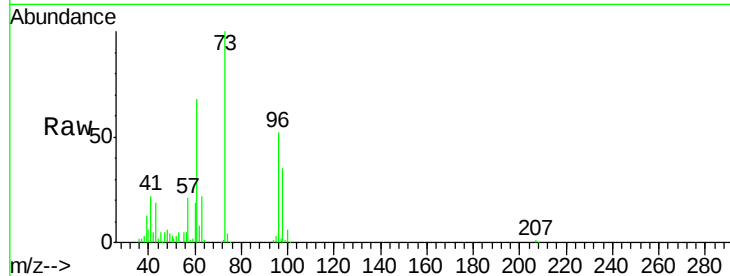
#19
Methvl tert-butvl Ether
Concen: 43.024 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion: 73 Resp: 300599
Ion Ratio Lower Upper
73 100
57 21.1 18.6 27.8

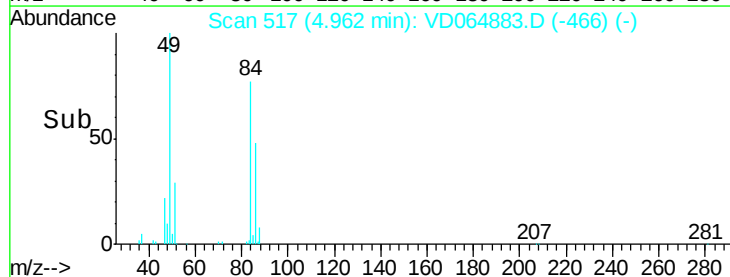
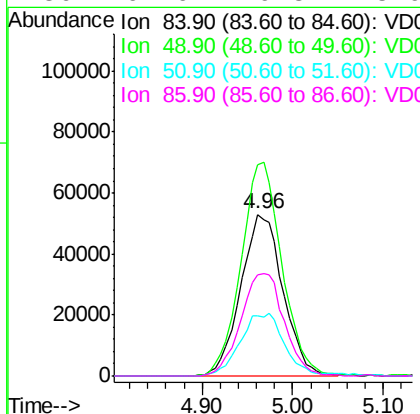
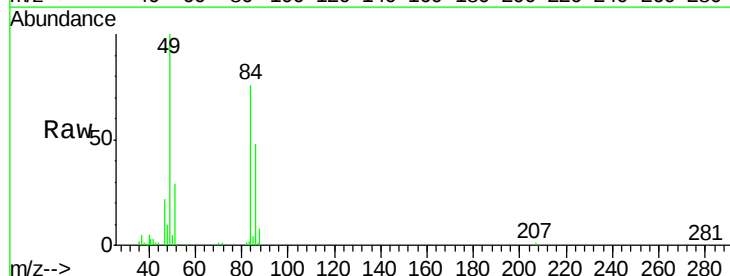
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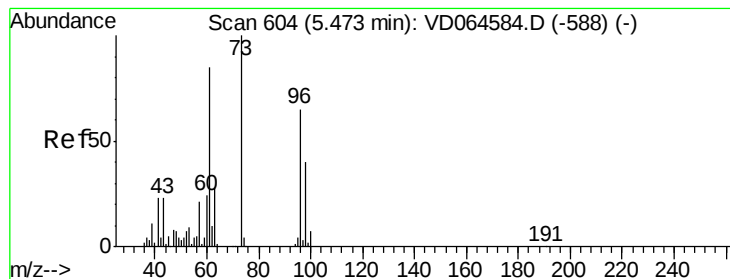
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#20
Methylene Chloride
Concen: 53.247 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion: 84 Resp: 170668
Ion Ratio Lower Upper
84 100
49 130.4 97.2 145.8
51 37.5 31.4 47.0
86 62.6 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 48.924 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 96 Resp: 175263

Ion Ratio Lower Upper

96 100

61 137.2 104.7 157.1

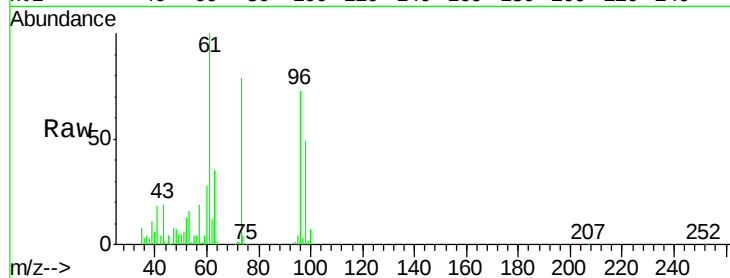
98 67.7 49.4 74.2

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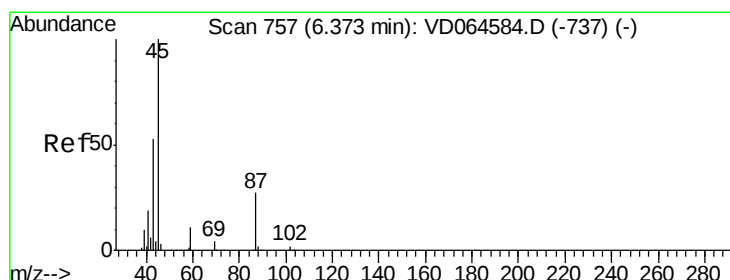
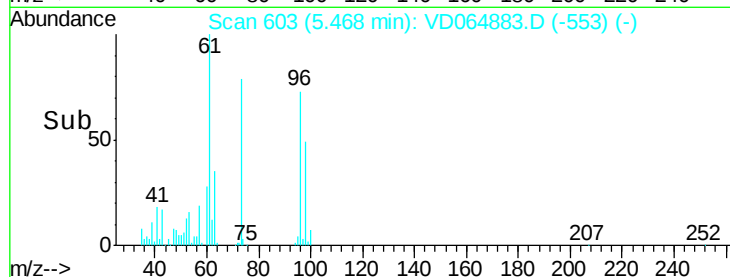
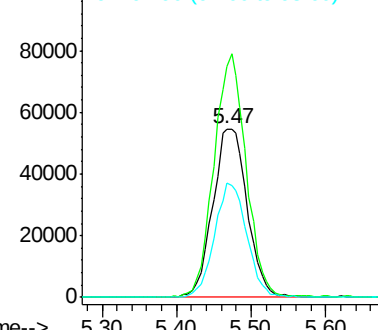


Abundance

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: 50.168 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion: 45 Resp: 490754

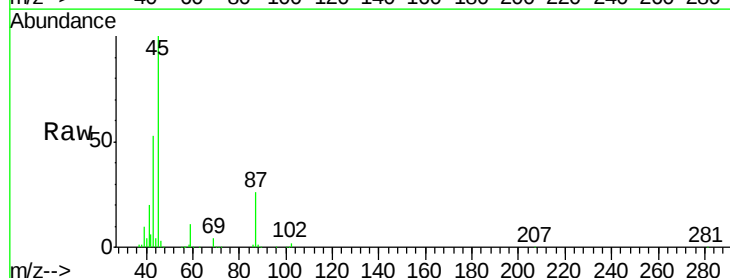
Ion Ratio Lower Upper

45 100

43 52.4 43.2 64.8

87 25.5 21.9 32.9

59 10.5 9.0 13.4



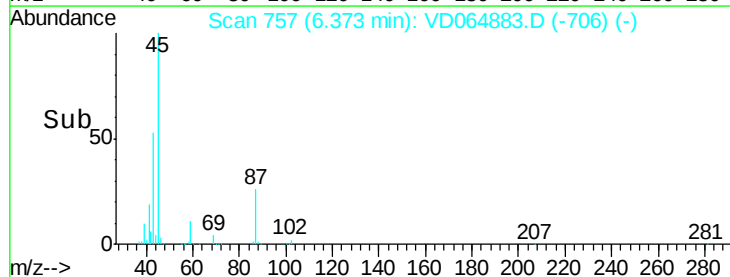
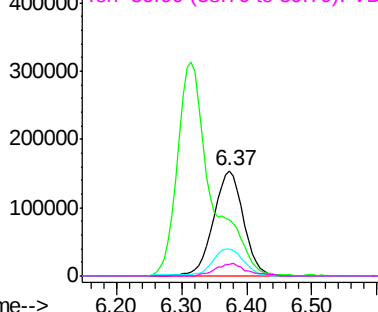
Abundance

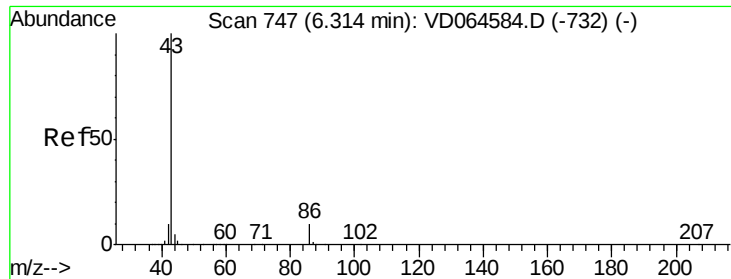
Ion 45.00 (44.70 to 45.70): VDC

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





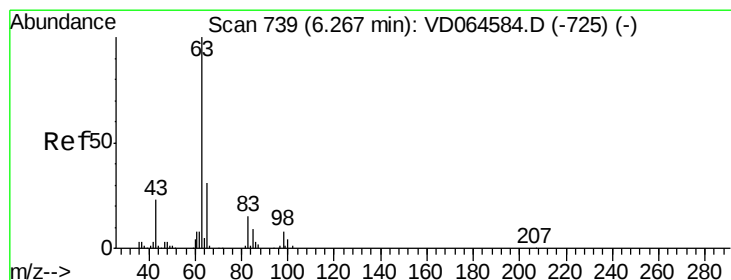
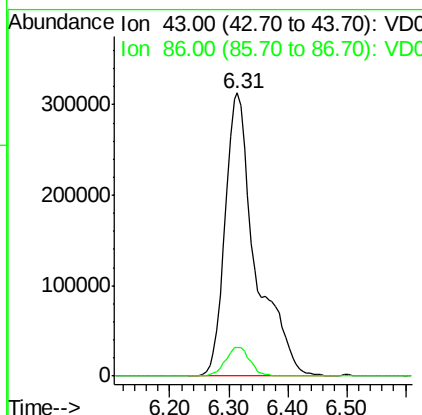
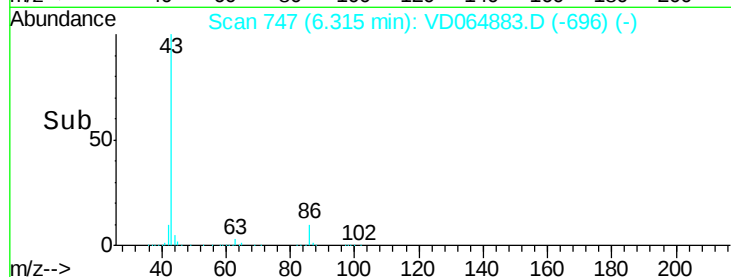
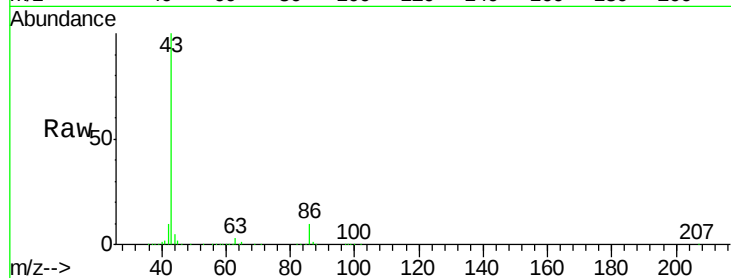
#23
 Vinyl Acetate
 Concen: 203.614 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion: 43 Resp: 1129869
 Ion Ratio Lower Upper
 43 100
 86 10.2 8.3 12.5

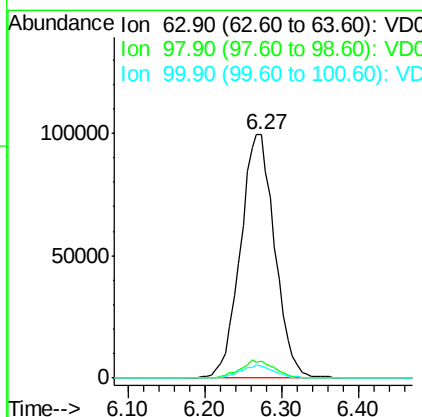
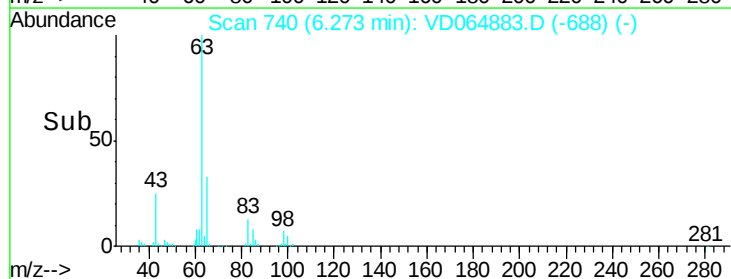
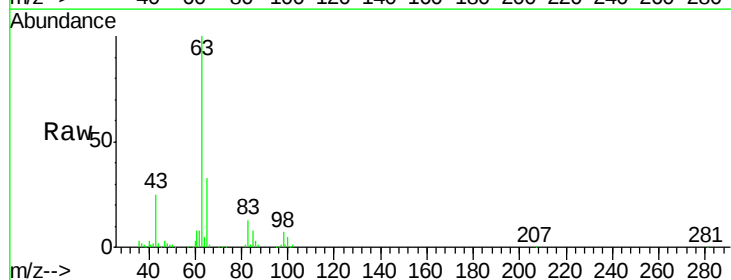
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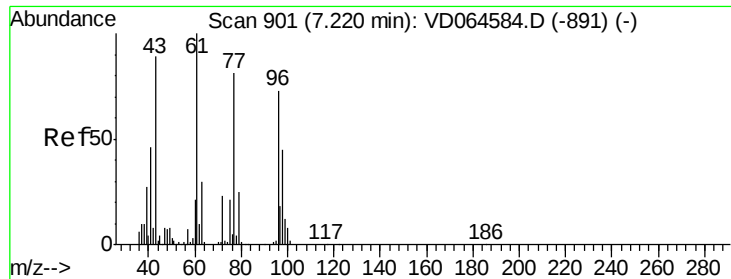
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#24
 1,1-Dichloroethane
 Concen: 52.751 ug/l
 RT: 6.27 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion: 63 Resp: 309782
 Ion Ratio Lower Upper
 63 100
 98 7.2 4.1 12.3
 100 4.6 2.2 6.6





#25

2-Butanone

Concen: 211.046 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 43 Resp: 182896

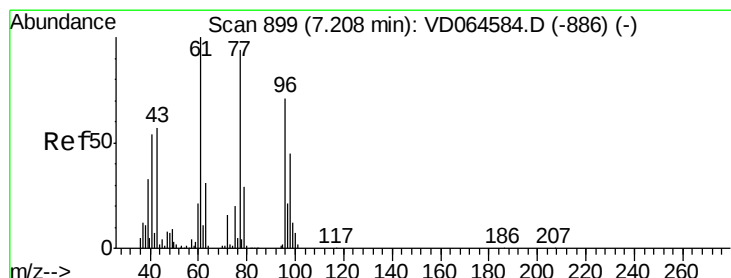
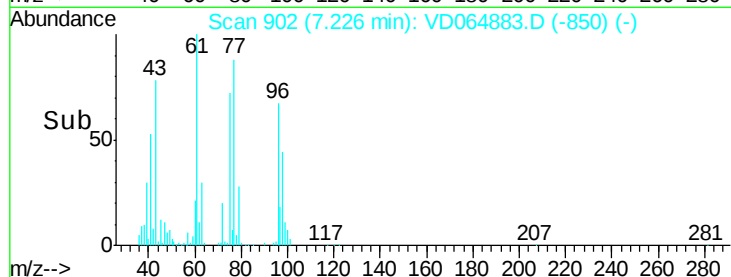
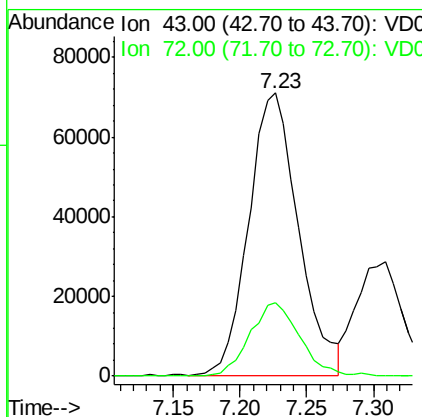
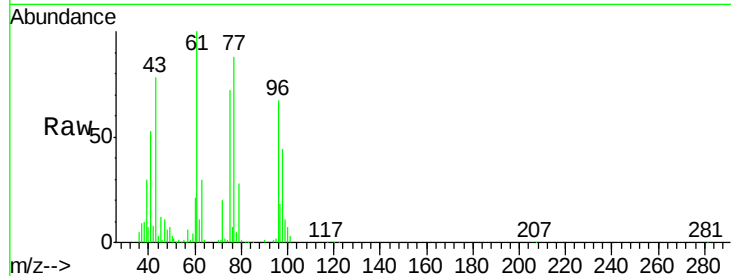
Ion Ratio Lower Upper

43 100

72 25.8 20.7 31.1

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 53.801 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD064883.D

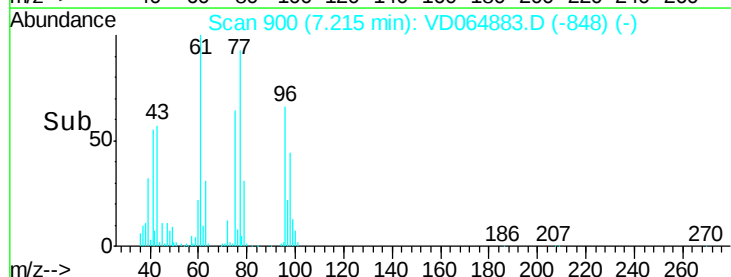
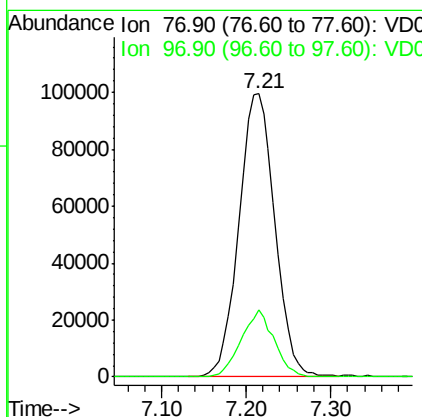
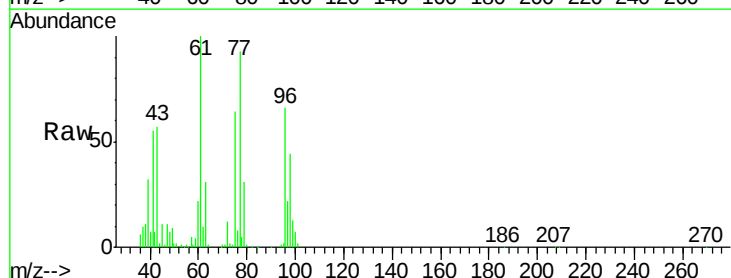
Acq: 20 Jan 2020 11:46

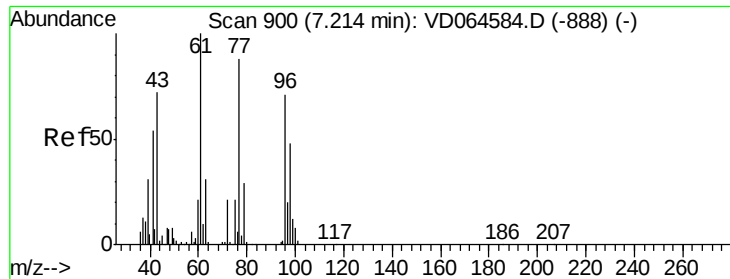
Tgt Ion: 77 Resp: 293757

Ion Ratio Lower Upper

77 100

97 21.8 11.2 33.6





#27

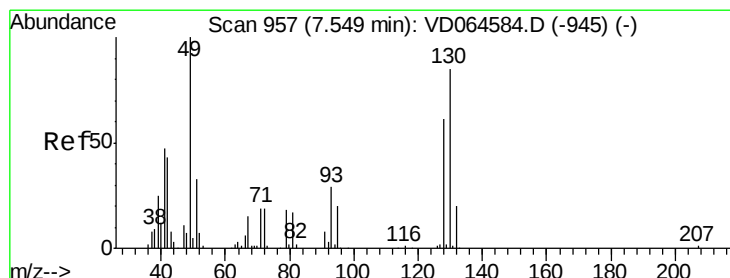
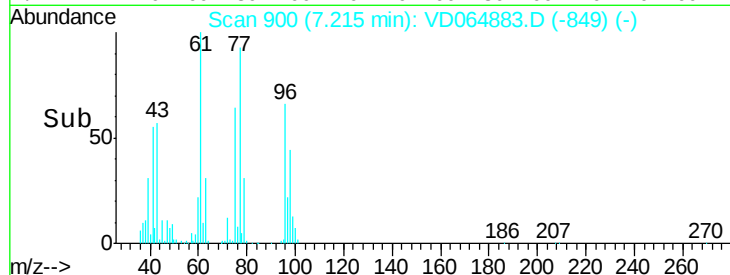
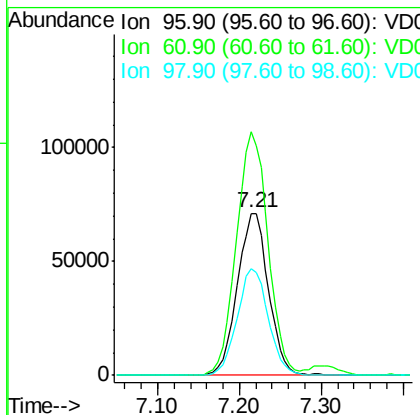
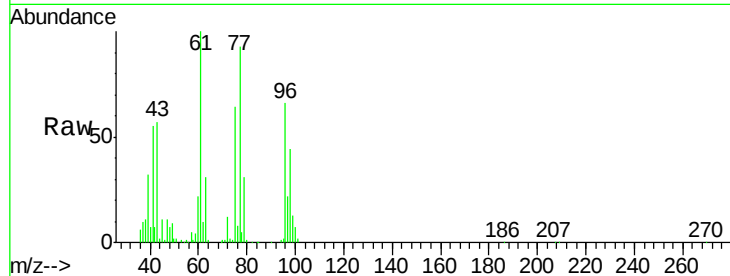
cis-1,2-Dichloroethene
Concen: 48.734 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	188413		
61	152.3	0.0	282.6	
98	66.4	0.0	130.8	

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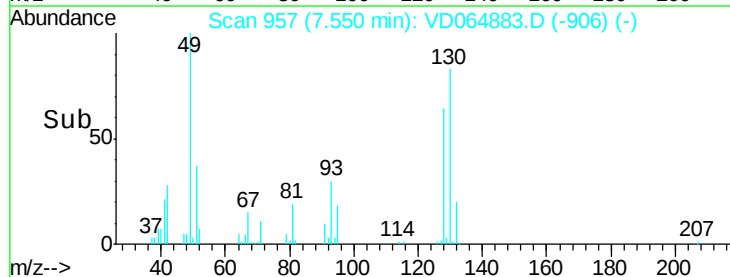
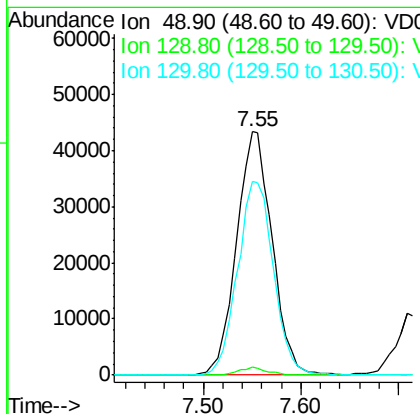
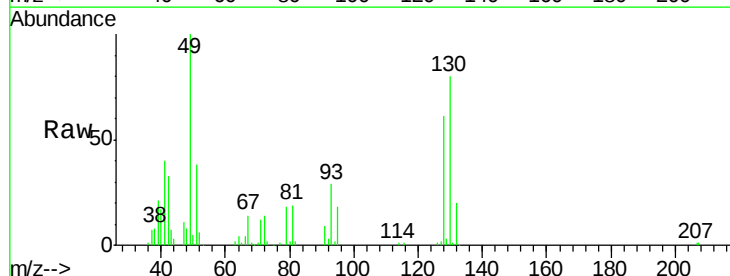
MMDadoda
1/21/2020 9:23:24 AM

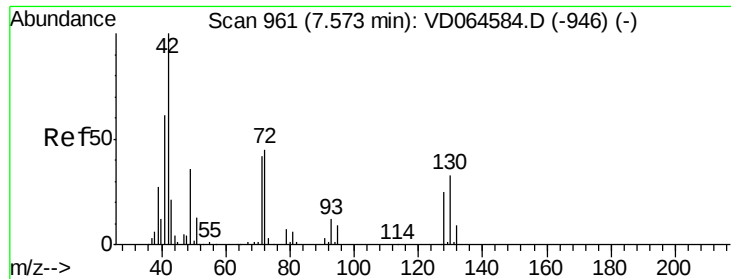


#28

Bromochloromethane
Concen: 47.982 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	109535		
129	2.5	0.0	4.8	
130	80.6	65.0	97.6	





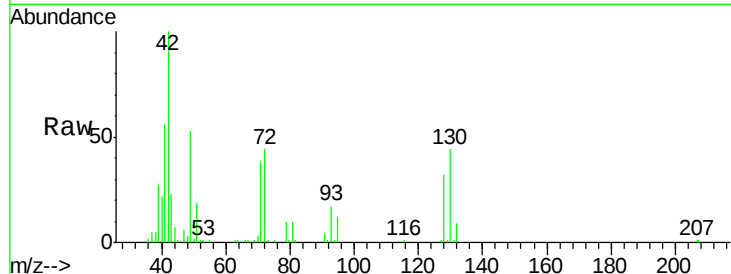
#29
Tetrahydrofuran
Concen: 184.782 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

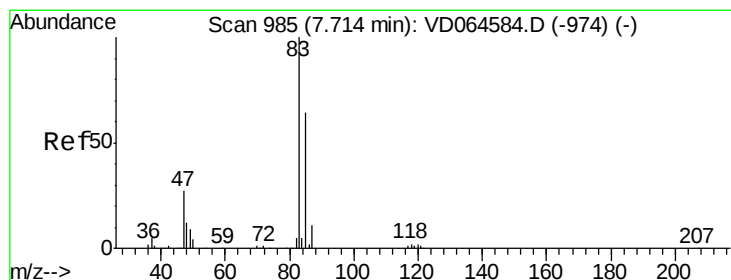
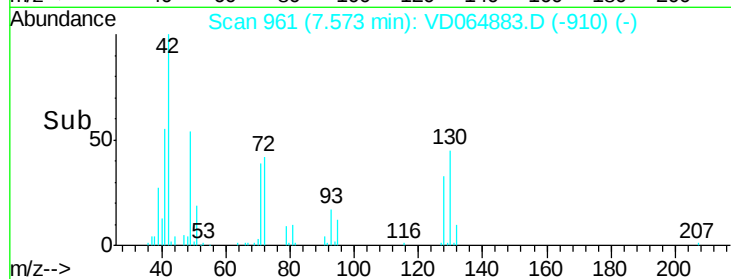
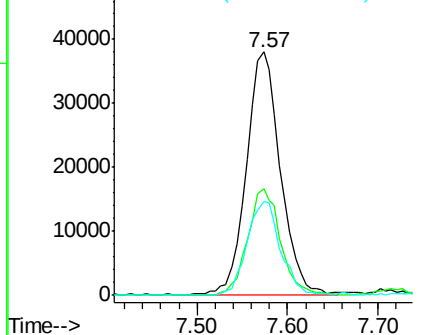
Tot Ion	Ratio	Lower	Upper
42	100		
72	42.3	35.0	52.4
71	37.9	32.9	49.3

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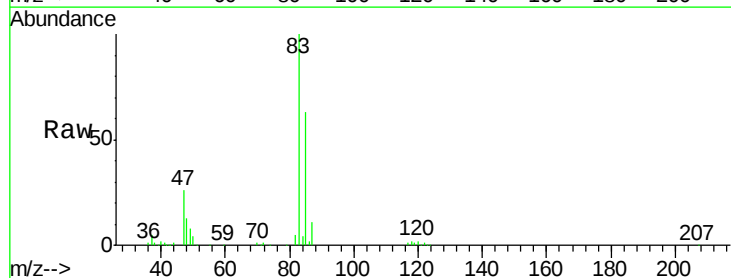


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

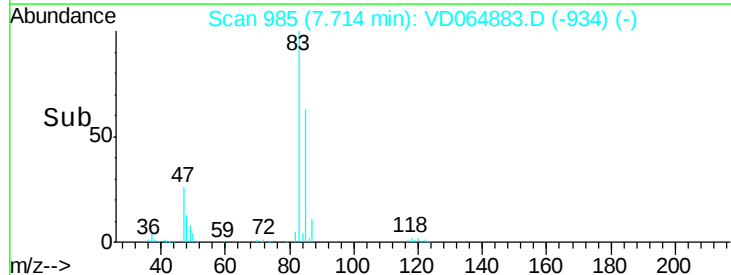
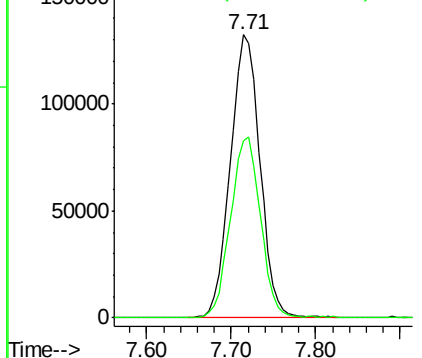


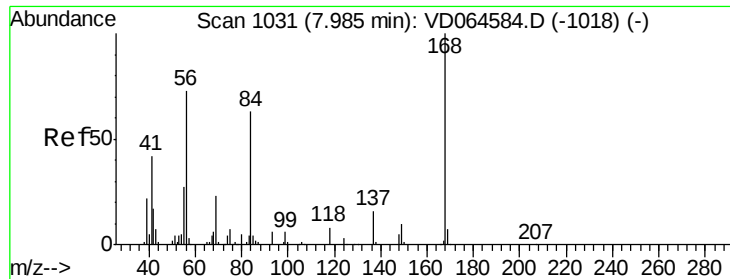
#30
Chloroform
Concen: 51.886 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.7	51.1	76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





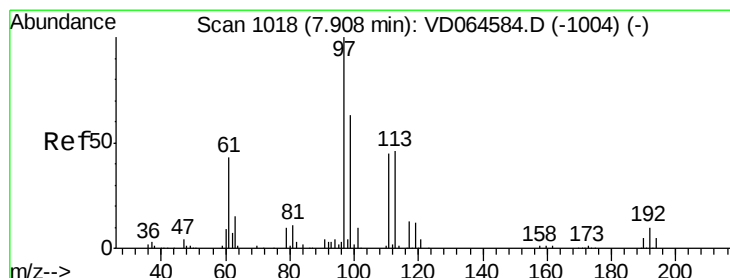
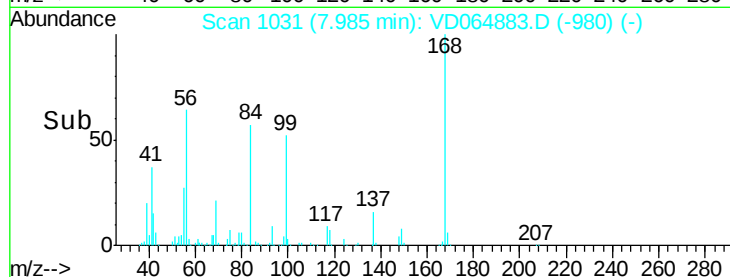
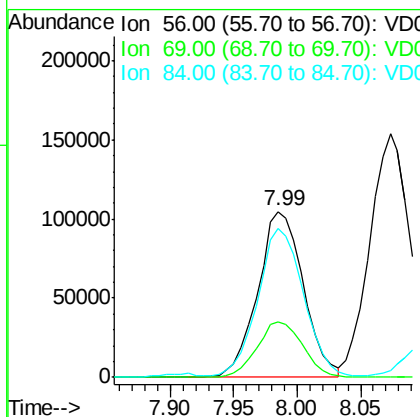
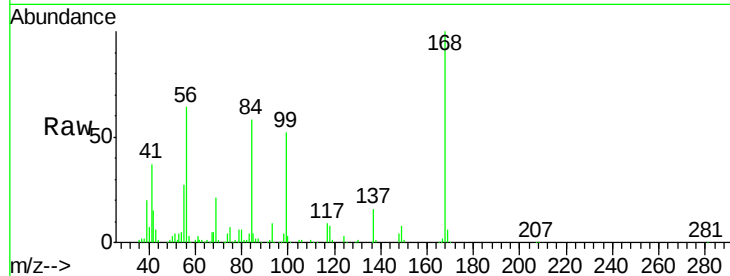
#31
Cyclohexane
Concen: 44.732 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	33.2	24.7	37.1	
84	87.5	69.4	104.2	

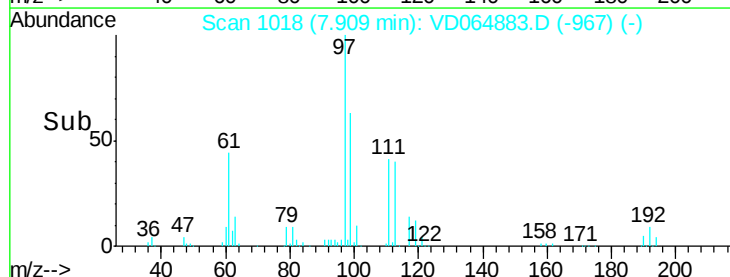
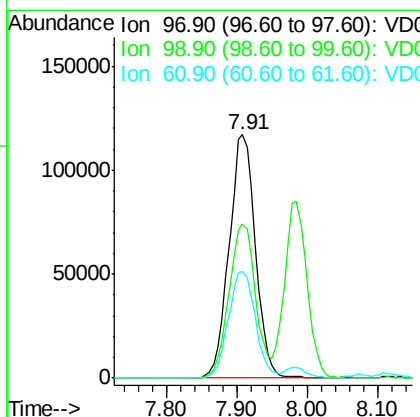
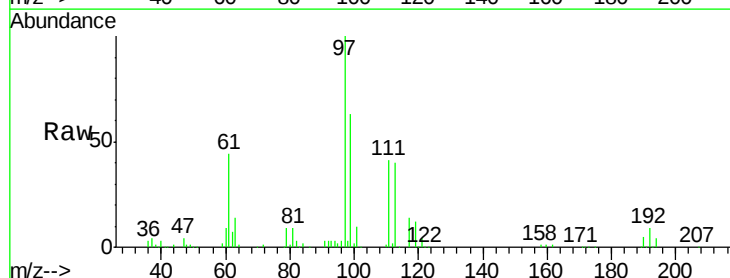
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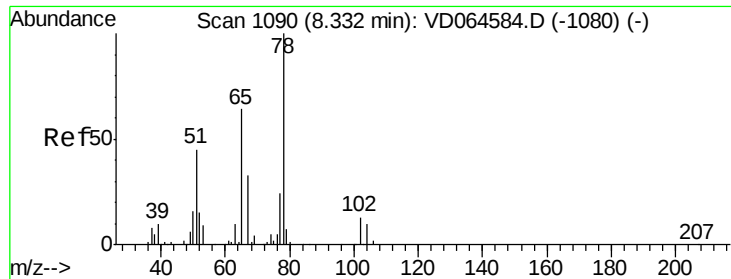
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1/21/2020 9:23:24 AM



#32
1,1,1-Trichloroethane
Concen: 52.246 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.3	51.0	76.6	
61	45.1	35.4	53.0	





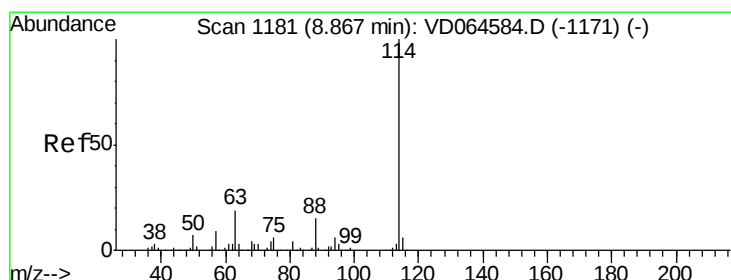
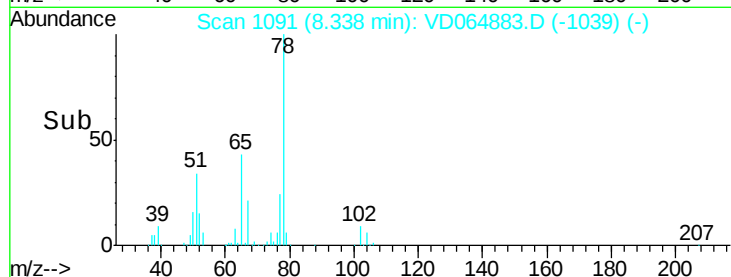
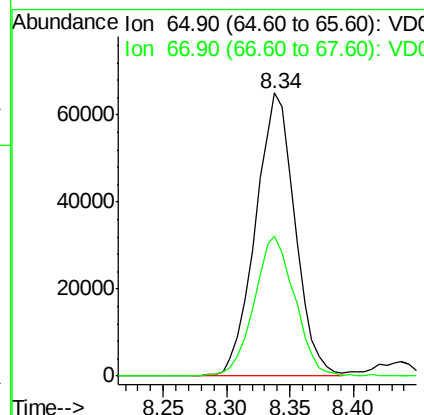
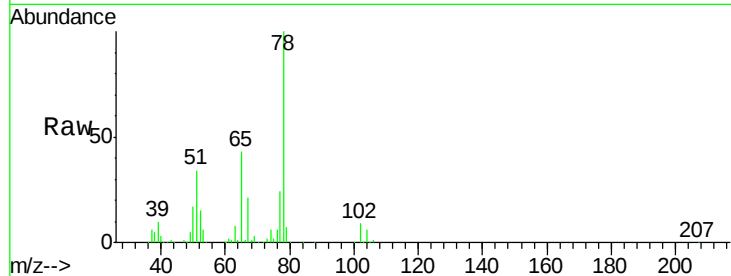
#33
 1,2-Dichloroethane-d4
 Concen: 44.779 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.8	0.0	106.2	

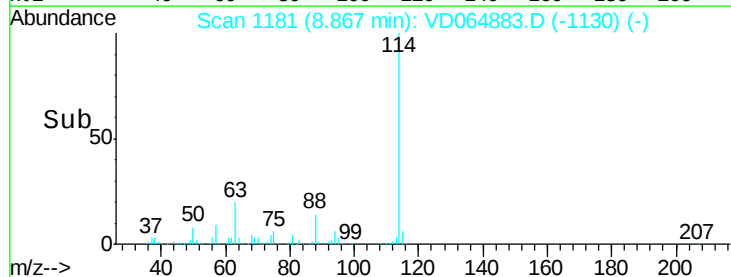
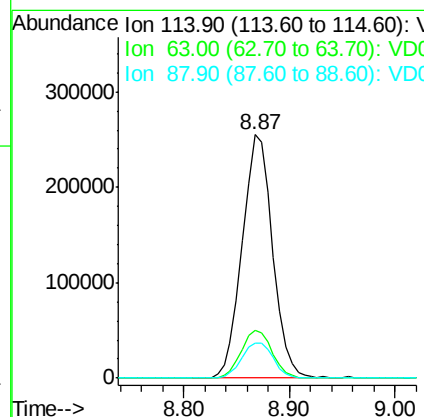
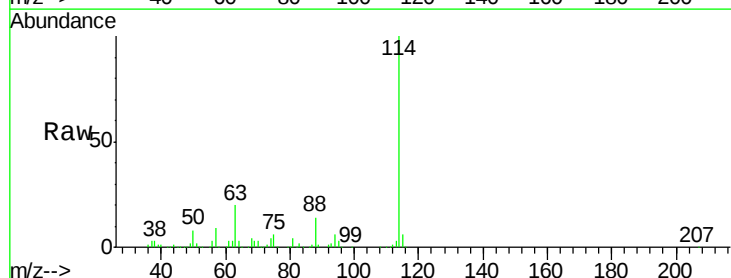
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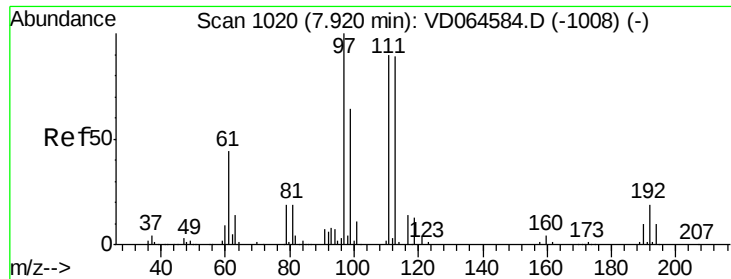
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.6	0.0	38.0	
88	14.2	0.0	29.2	





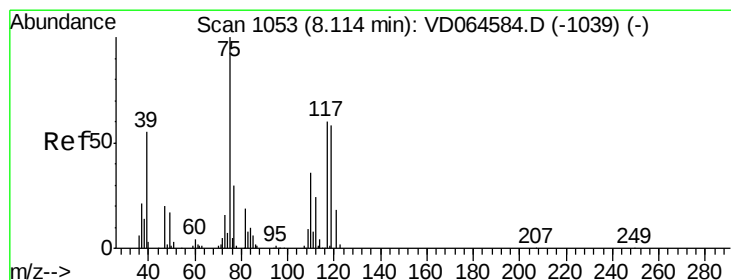
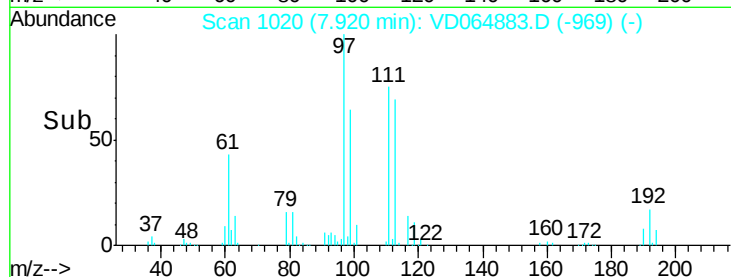
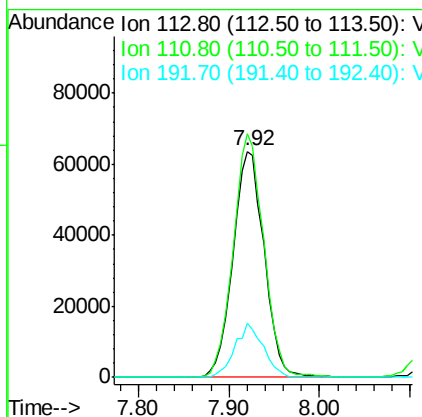
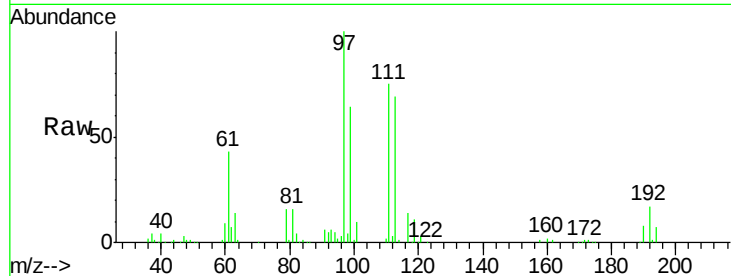
#35
 Dibromofluoromethane
 Concen: 48.594 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	152030		
111	105.8	80.6	121.0	
192	21.8	17.9	26.9	

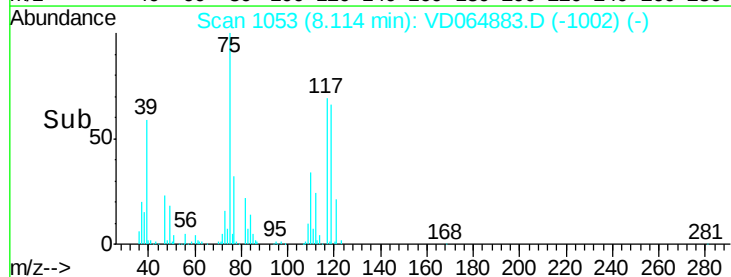
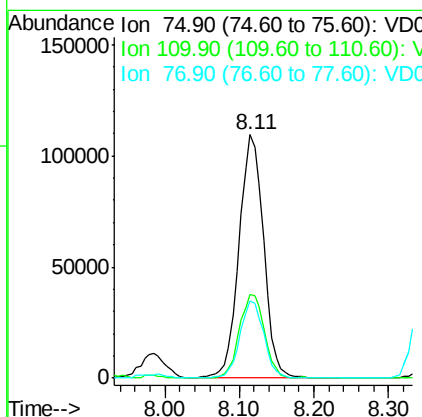
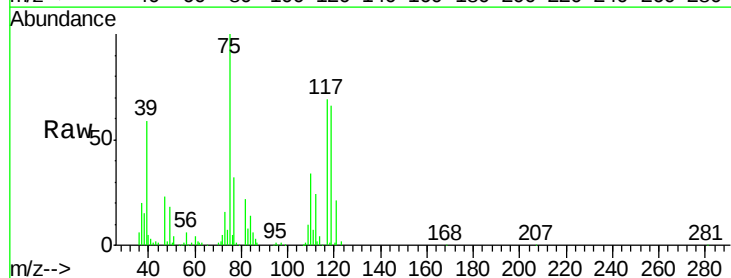
Manual Integrations
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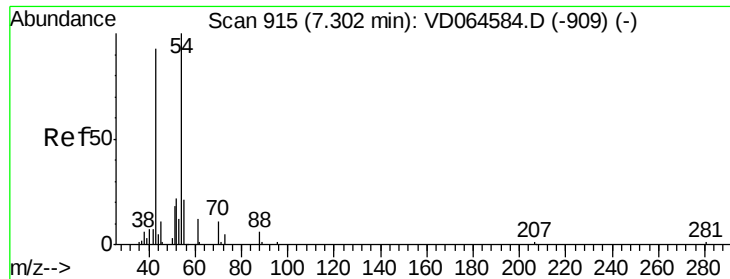
MMDadoda
 1/21/2020 9:23:24 AM



#36
 1,1-Dichloropropene
 Concen: 51.154 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	251072		
110	34.9	18.1	54.1	
77	30.9	24.2	36.4	





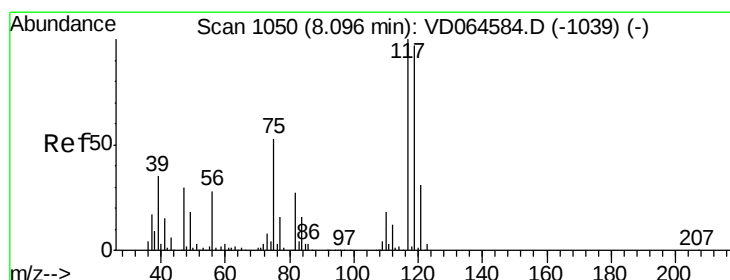
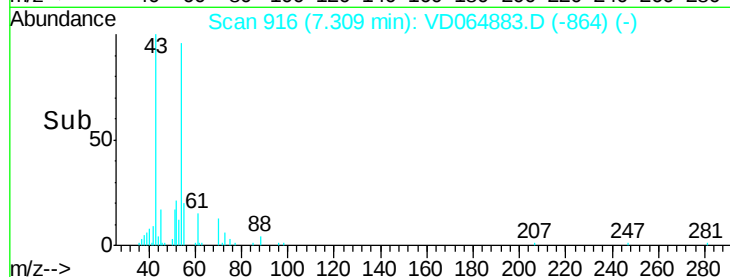
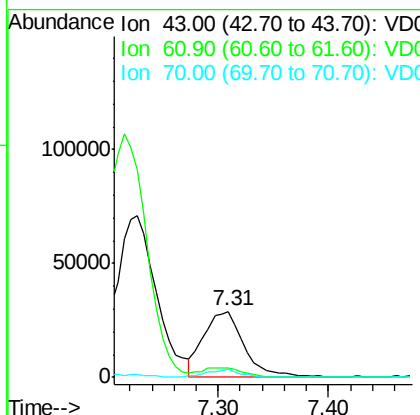
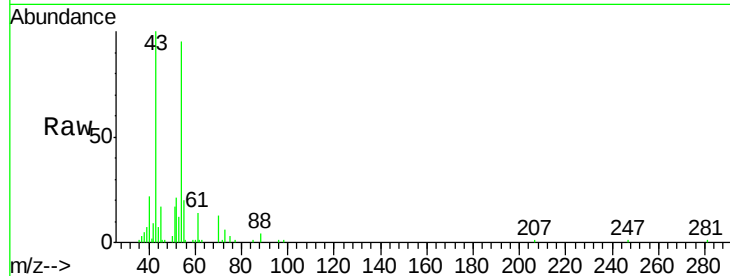
#37
Ethyl Acetate
Concen: 37.009 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	10.3	15.5
70	10.7	7.6	11.4

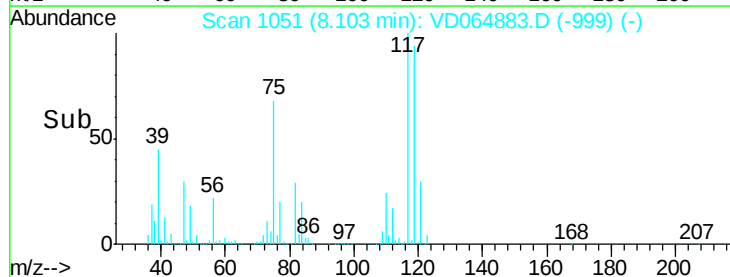
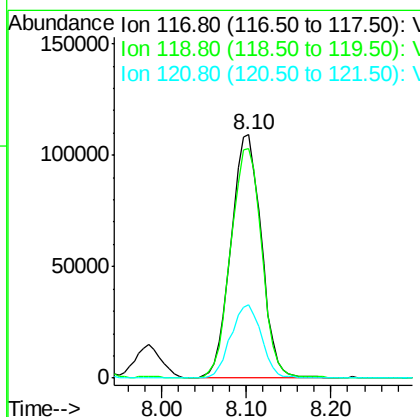
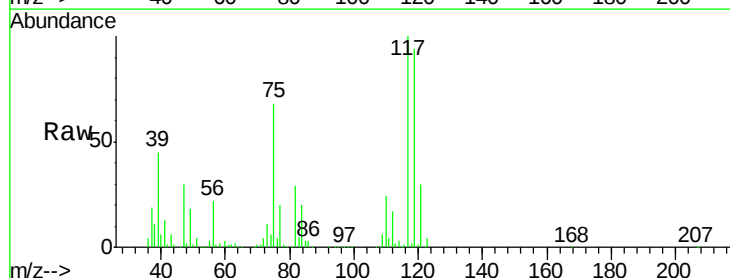
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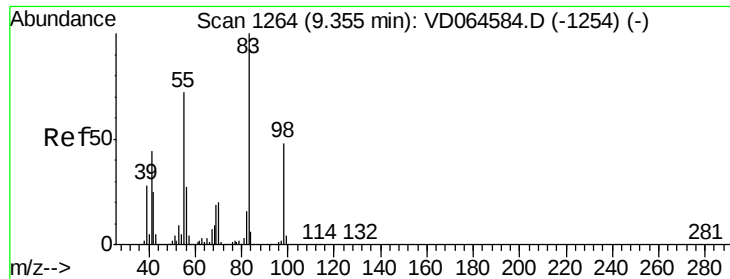
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#38
Carbon Tetrachloride
Concen: 51.861 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.2	77.3	115.9
121	30.0	25.0	37.6





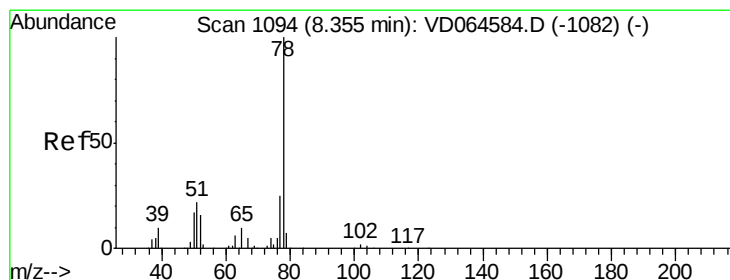
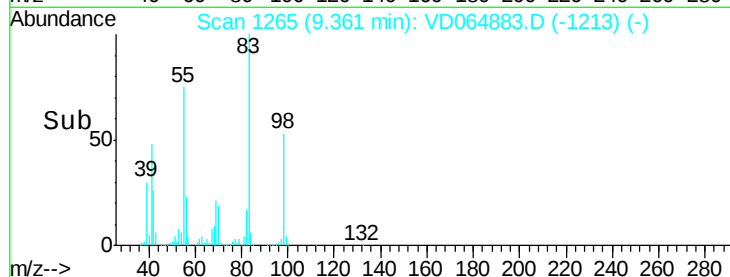
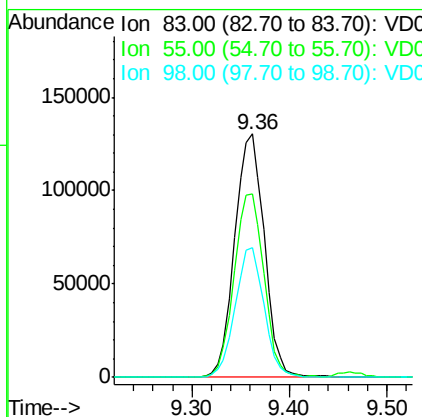
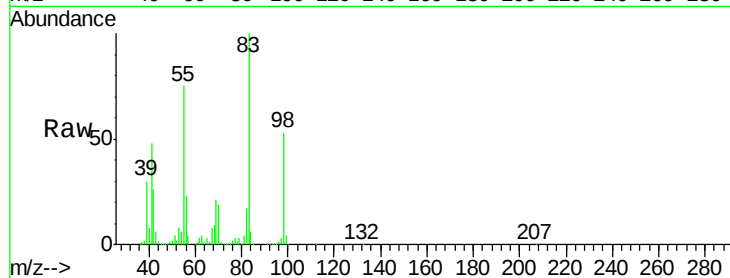
#39
Methylvlcyclohexane
Concen: 46.435 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.2	57.8	86.6
98	53.5	38.7	58.1

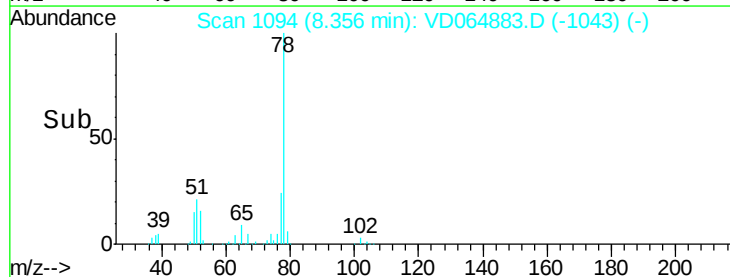
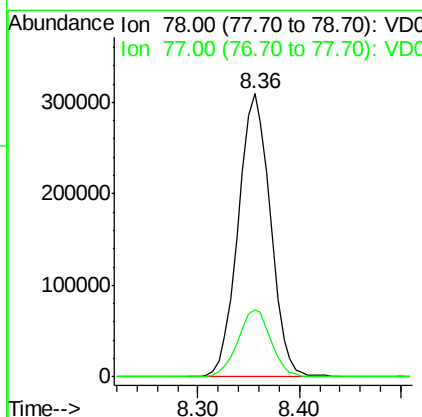
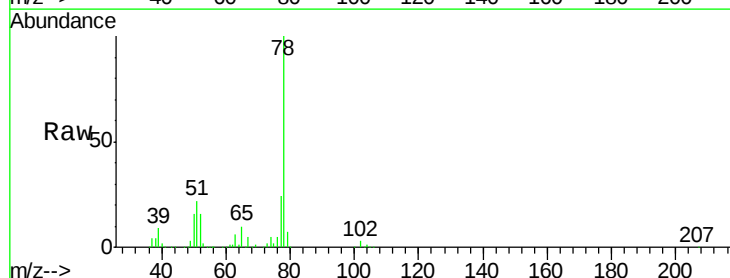
Manual Integrations
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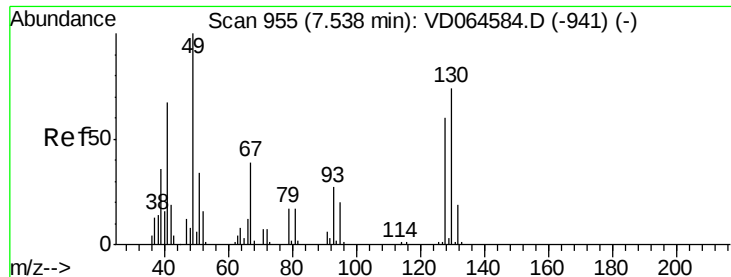
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#40
Benzene
Concen: 51.150 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.9	29.9





#41

Methacrylonitrile

Concen: 41.488 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

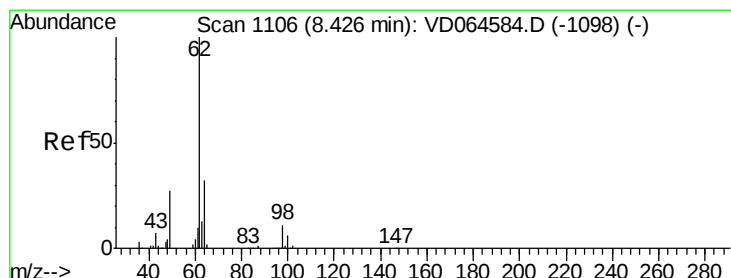
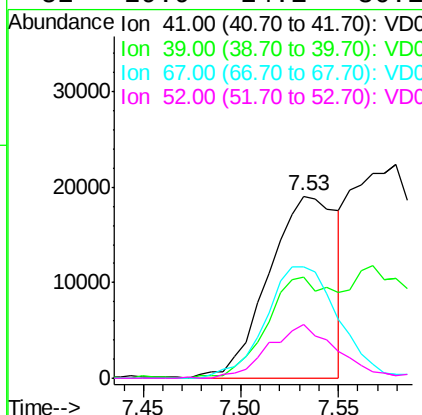
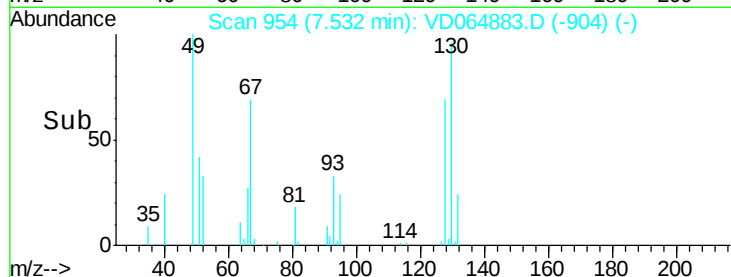
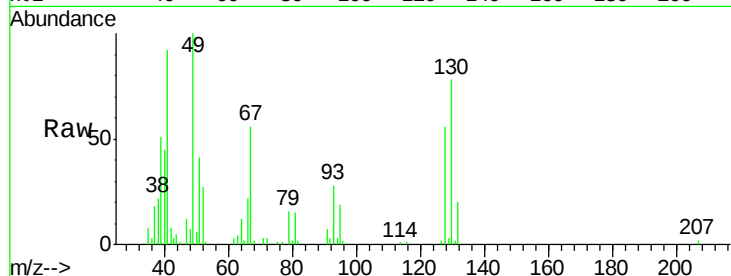
ClientSampleId :

EP-3MS

Tot Ion:	41	Resp:	46414
Ion	Ratio	Lower	Upper
41	100		
39	54.4	46.7	70.1
67	65.6	52.5	78.7
52	29.9	24.1	36.1

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 46.947 ug/l

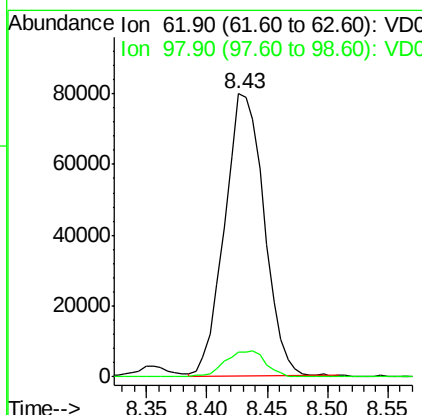
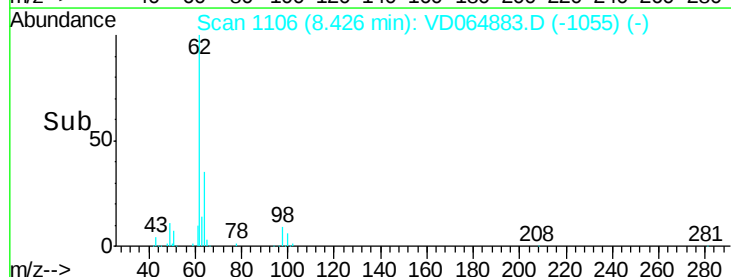
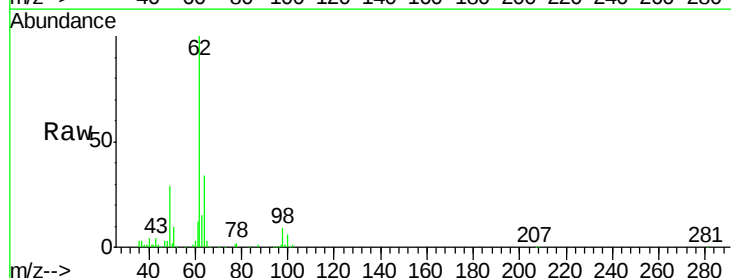
RT: 8.43 min Scan# 1106

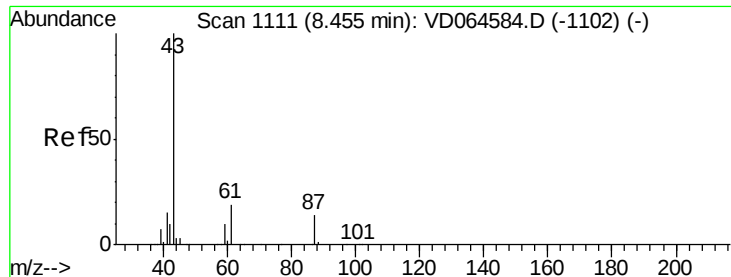
Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion:	62	Resp:	181775
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	20.0





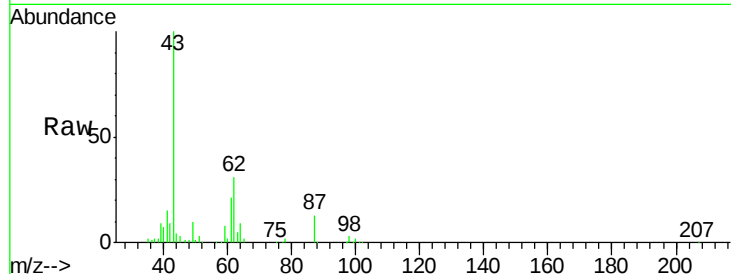
#43
Isopropyl Acetate
Concen: 38.832 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

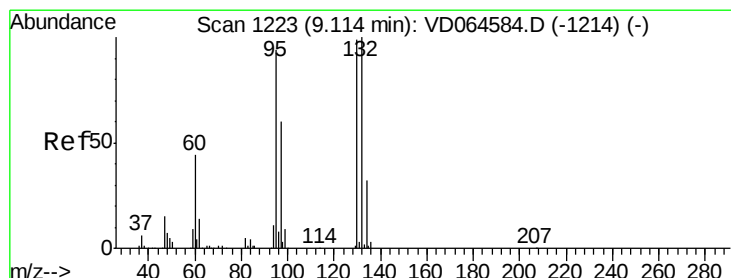
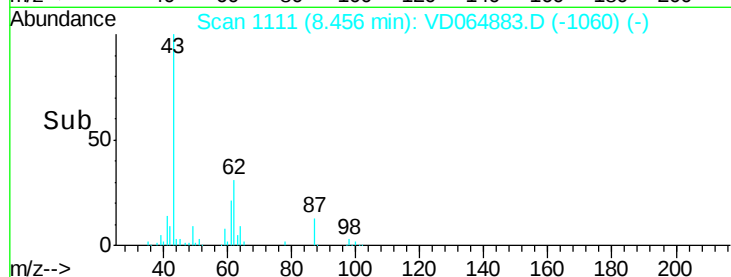
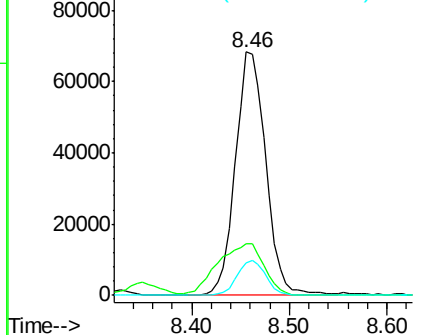
Tot Ion	Ratio	Lower	Upper
43	100		
61	32.1	23.7	35.5
87	13.6	10.5	15.7

Manual Integrations
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MMDadoda
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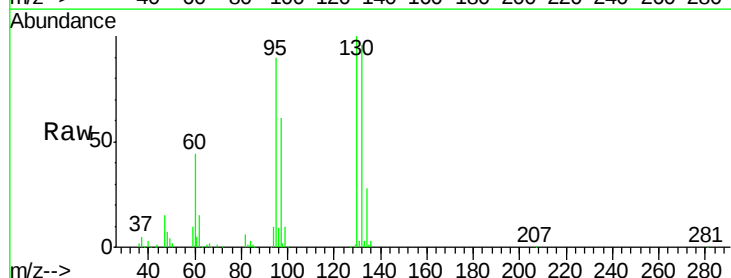


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

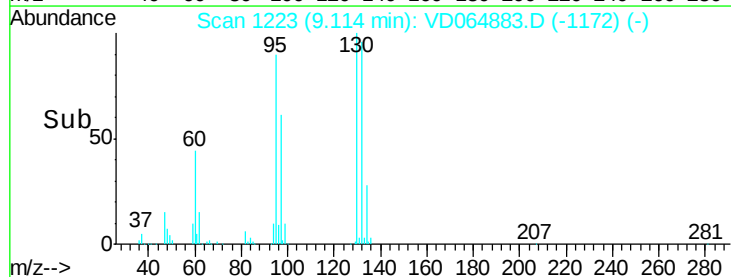
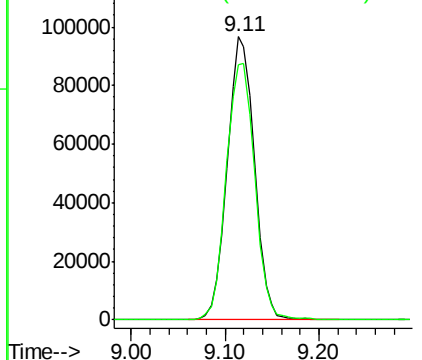


#44
Trichloroethene
Concen: 49.461 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.1	0.0	190.2



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





#45

1,2-Dichloropropane

Concen: 51.571 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 63 Resp: 164983

Ion Ratio Lower Upper

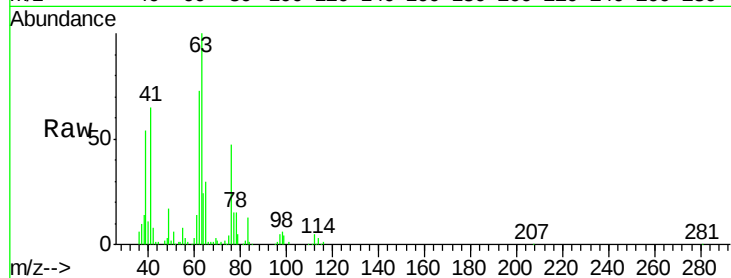
63 100

65 30.1 25.2 37.8

Manual Integrations
APPROVED

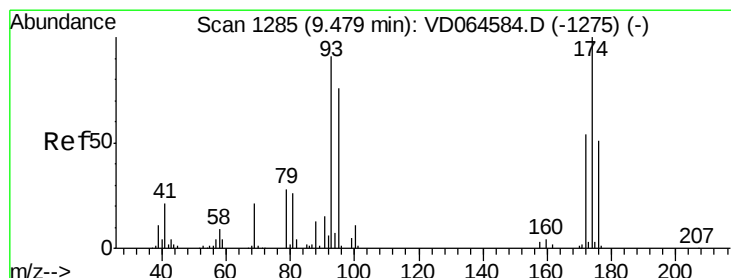
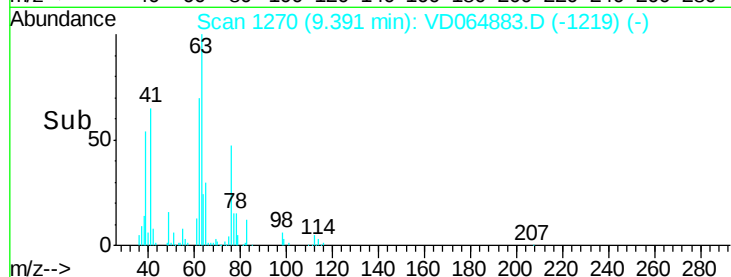
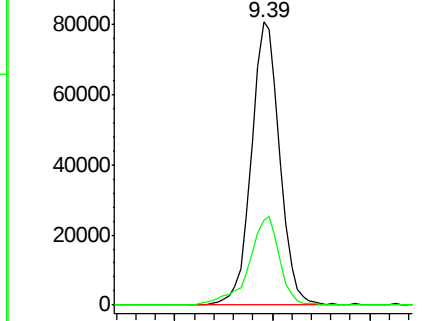
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 43.677 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

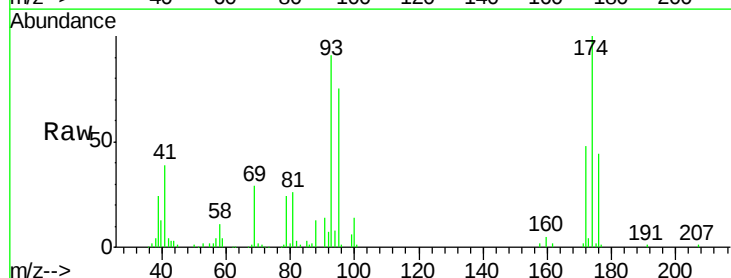
Tgt Ion: 93 Resp: 77904

Ion Ratio Lower Upper

93 100

95 81.0 64.6 97.0

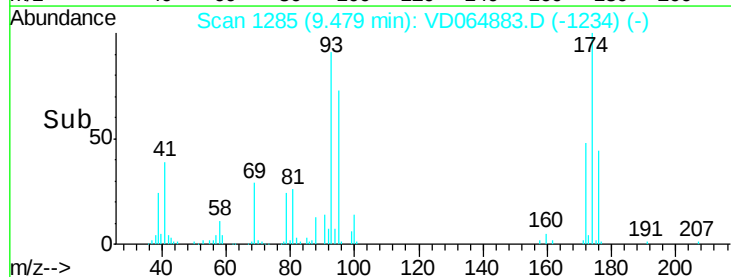
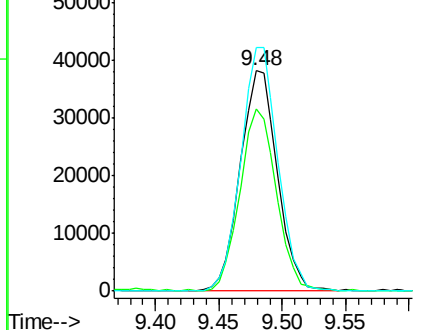
174 109.8 88.1 132.1

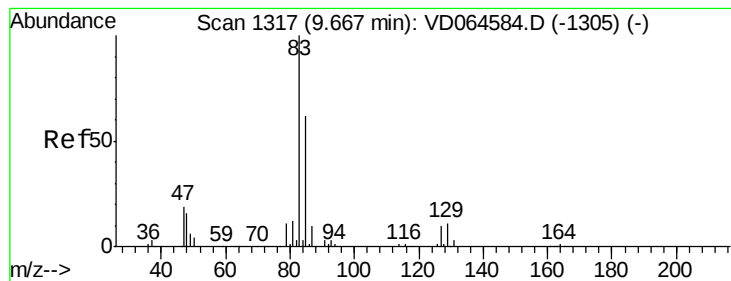


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 50.173 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

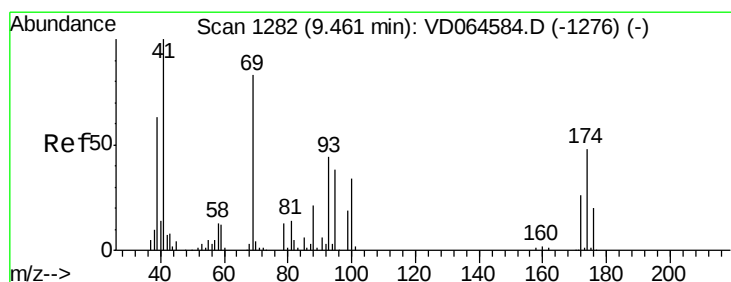
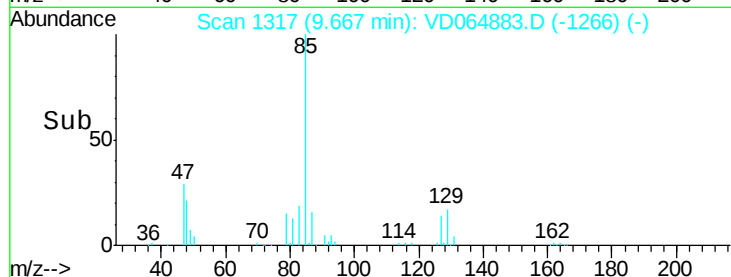
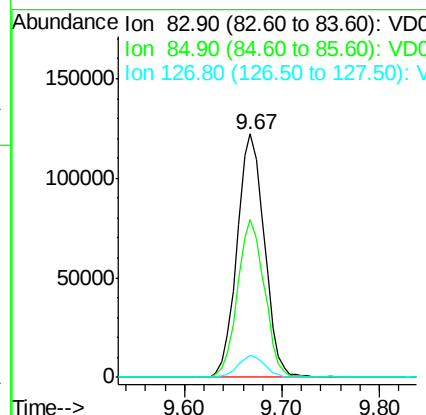
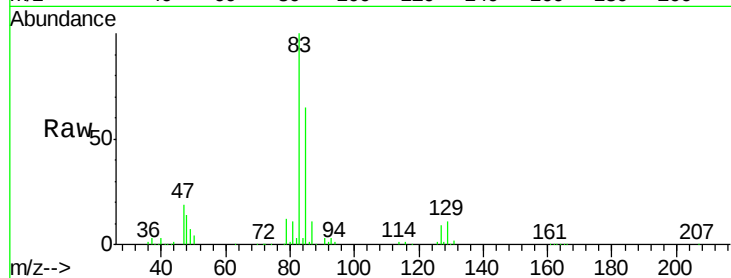
ClientSampleId :

EP-3MS

Tot Ion:	83	Resp:	238131
Ion	Ratio	Lower	Upper
83	100		
85	65.0	49.5	74.3
127	9.0	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 38.700 ug/l

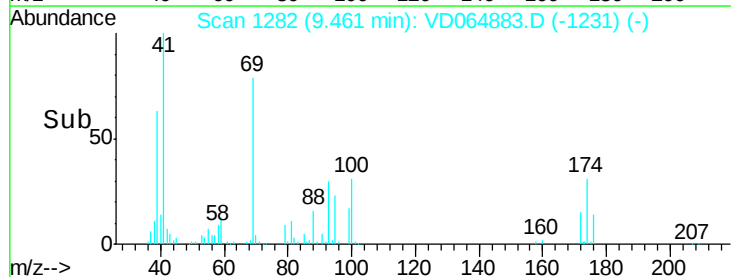
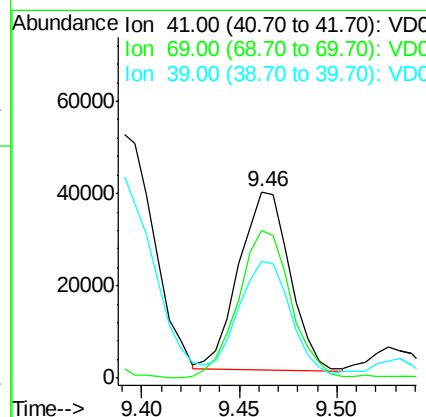
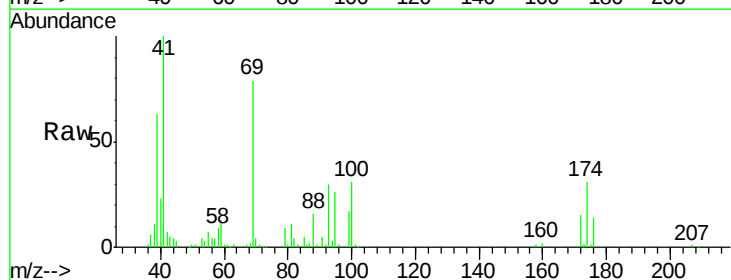
RT: 9.46 min Scan# 1282

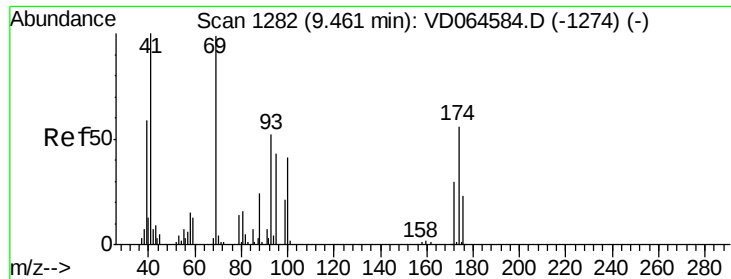
Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion:	41	Resp:	69934
Ion	Ratio	Lower	Upper
41	100		
69	84.4	63.0	94.6
39	61.1	47.4	71.2





#49

1,4-Dioxane

Concen: 738.778 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

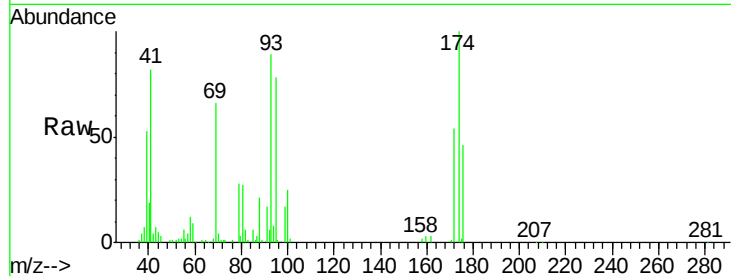
ClientSampleId :

EP-3MS

Tot Ion:	88	Resp:	15194
Ion	Ratio	Lower	Upper
88	100		
43	32.2	27.7	41.5
58	66.3	53.8	80.6

Manual Integrations
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MMDadoda
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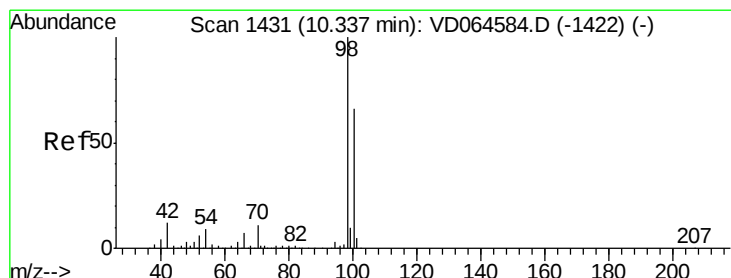
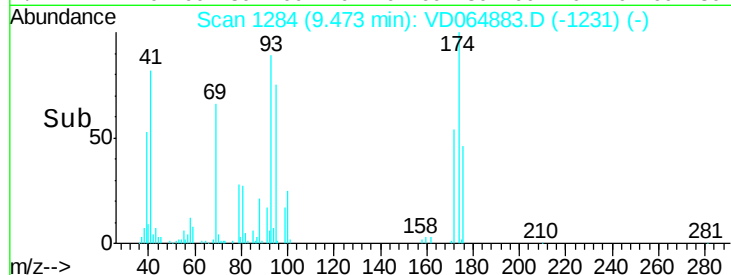
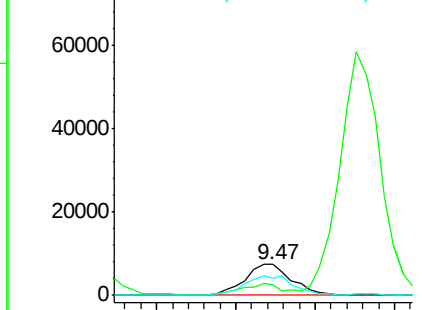


Abundance

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: 49.706 ug/l

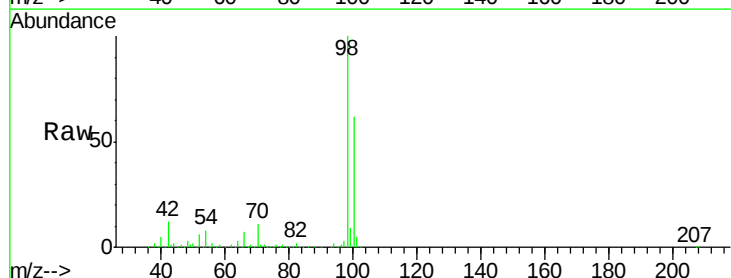
RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

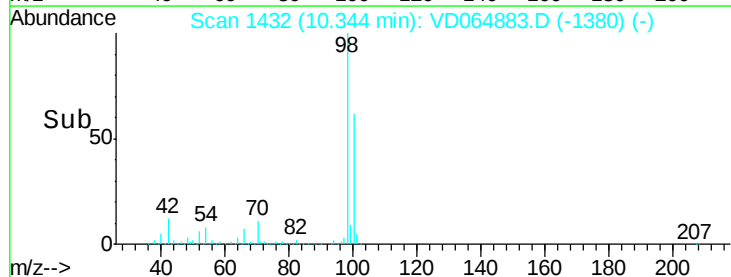
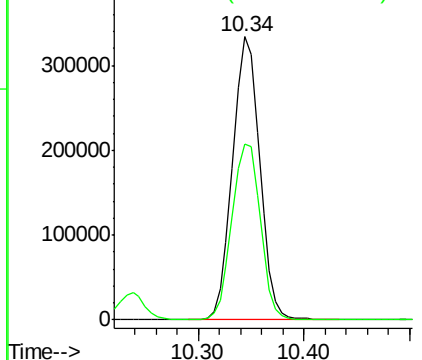
Tgt Ion:	98	Resp:	595578
Ion	Ratio	Lower	Upper
98	100		
100	64.9	51.7	77.5

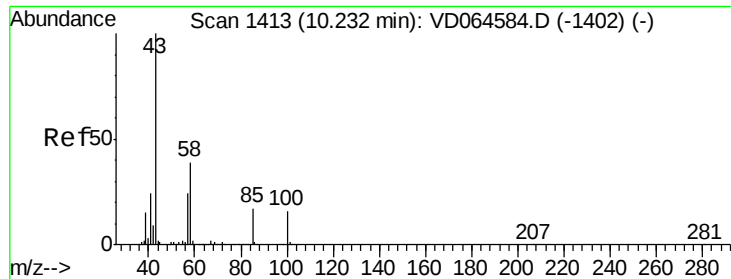


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 193.227 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 43 Resp: 366549

Ion Ratio Lower Upper

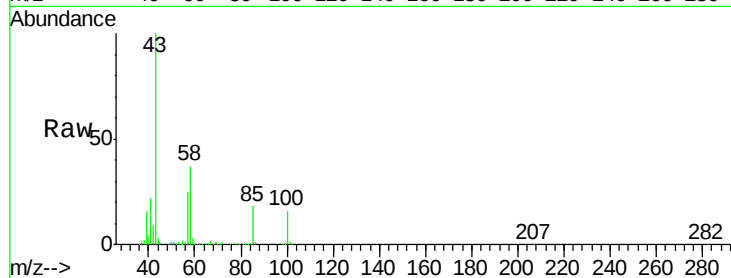
43 100

58 37.1 30.2 45.2

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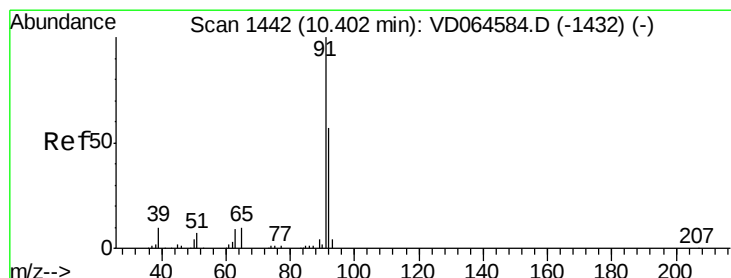
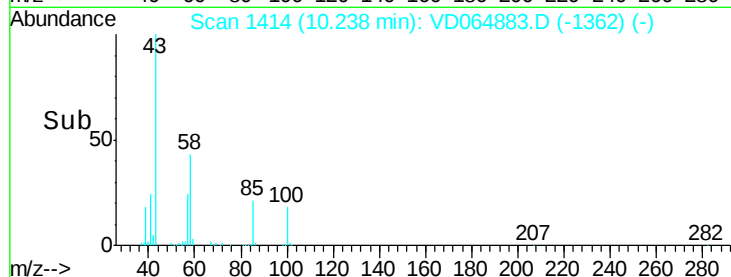
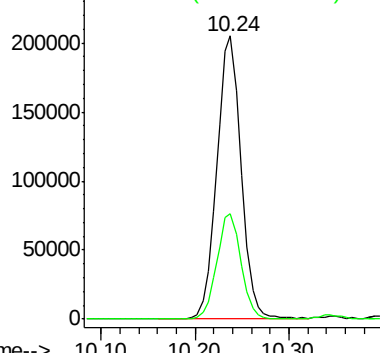
MMDadoda

1/21/2020 9:23:24 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.869 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064883.D

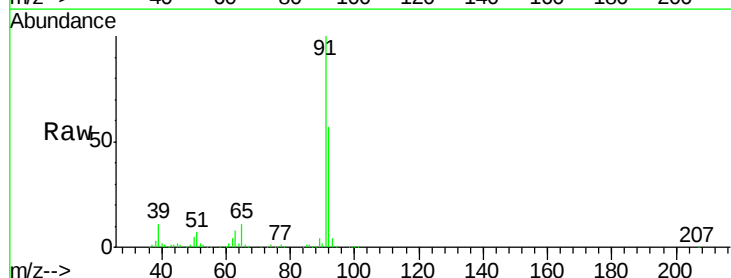
Acq: 20 Jan 2020 11:46

Tgt Ion: 92 Resp: 455963

Ion Ratio Lower Upper

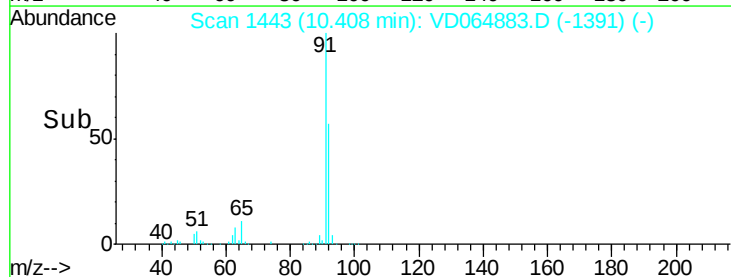
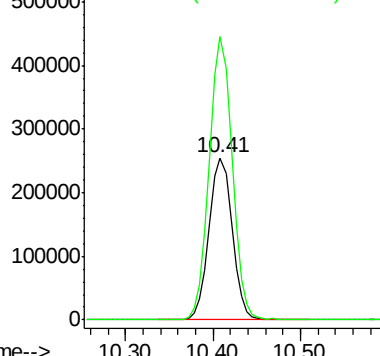
92 100

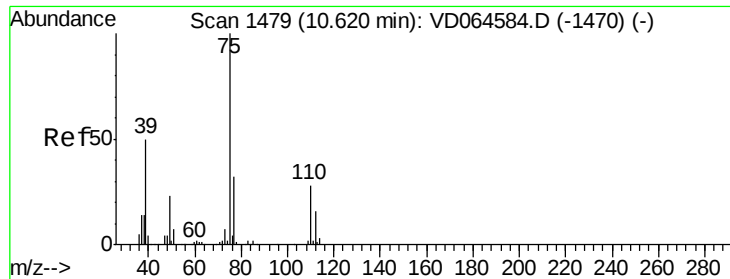
91 173.0 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





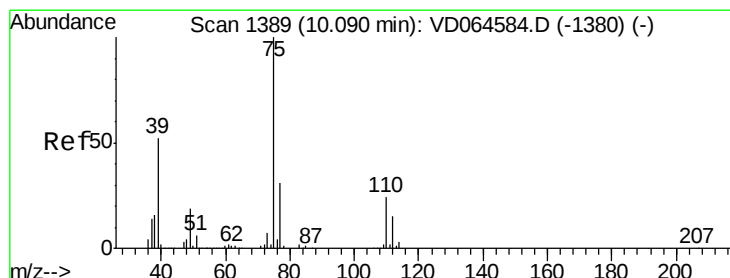
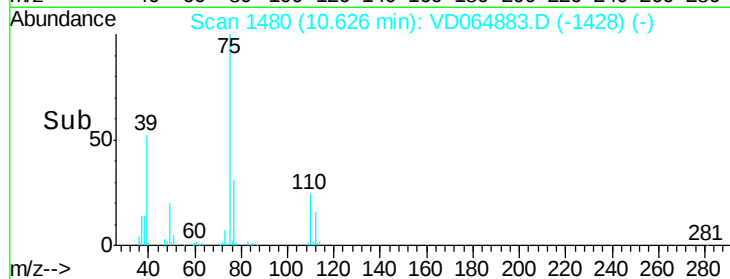
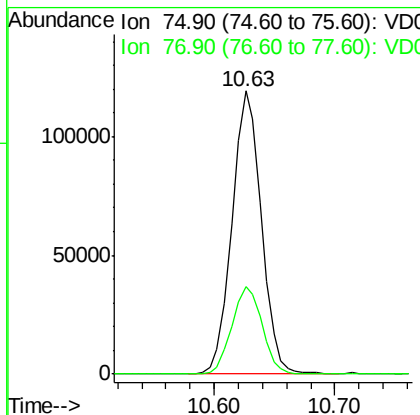
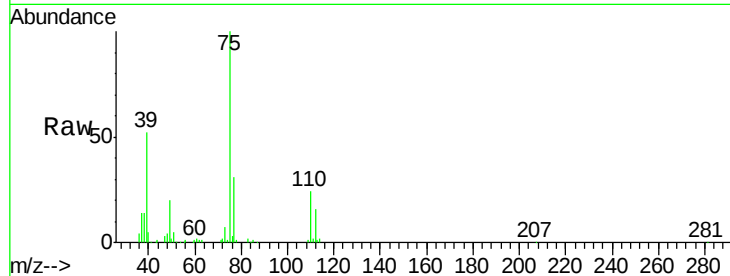
#53
t-1,3-Dichloropropene
Concen: 45.745 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.2

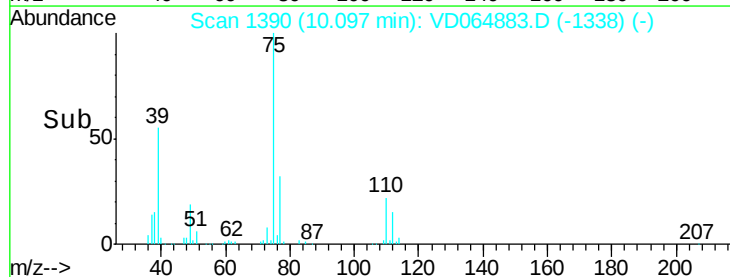
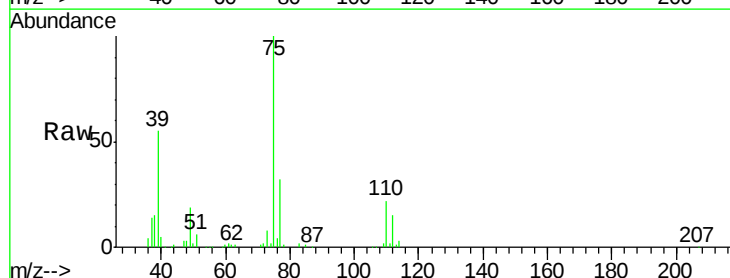
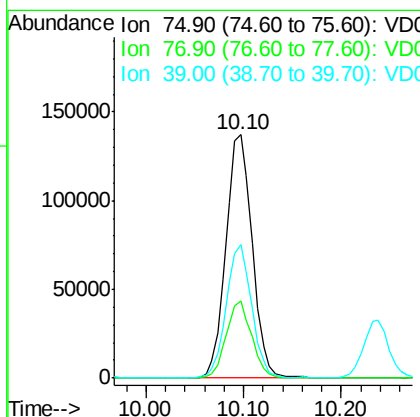
Manual Integrations
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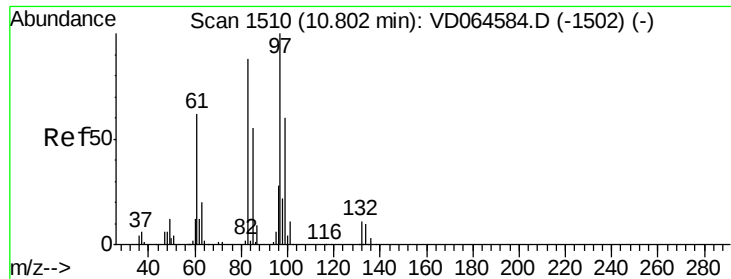
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.181 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	24.6	36.8
39	54.7	41.4	62.2





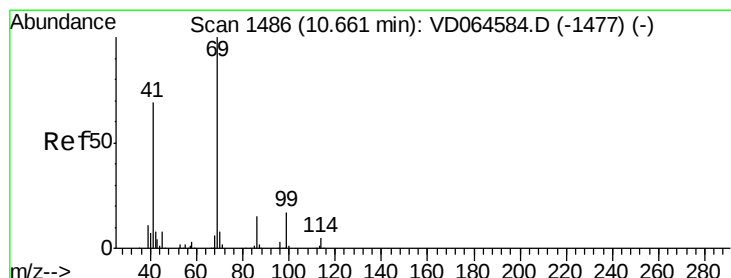
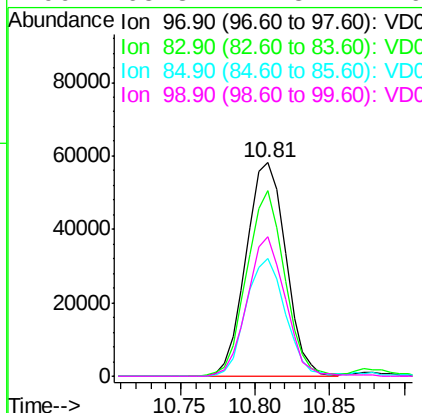
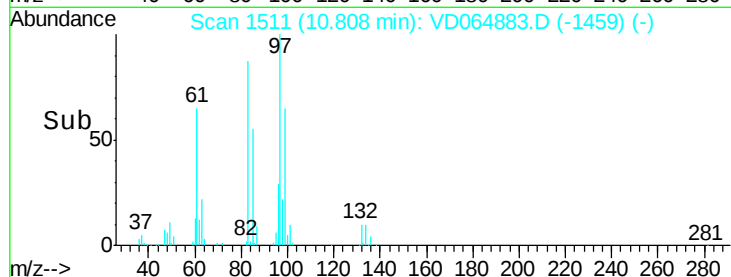
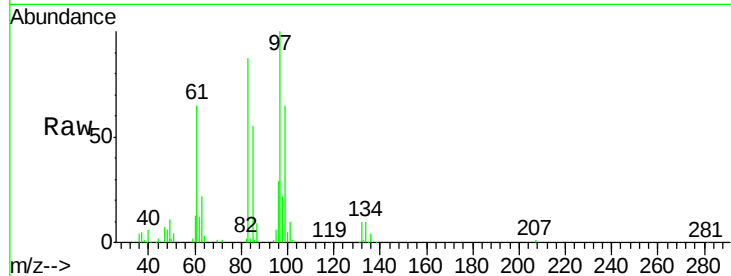
#55
 1,1,2-Trichloroethane
 Concen: 44.672 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion:	97	Resp:	107379
Ion	Ratio	Lower	Upper
97	100		
83	87.2	70.2	105.4
85	54.9	44.0	66.0
99	65.3	47.8	71.6

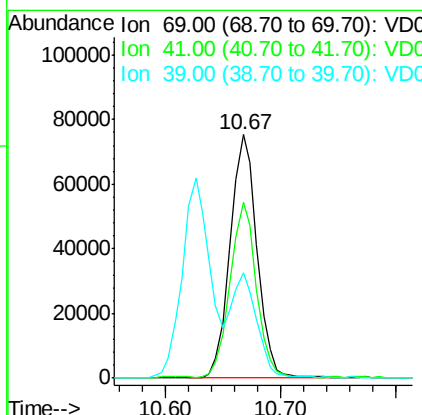
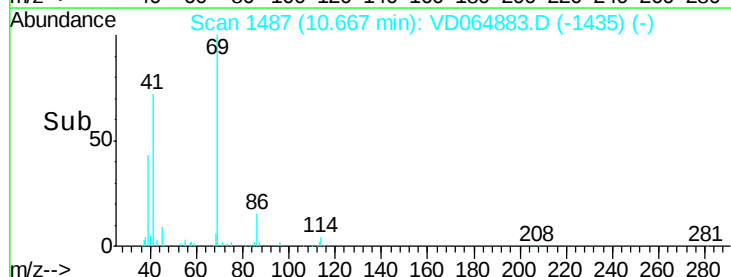
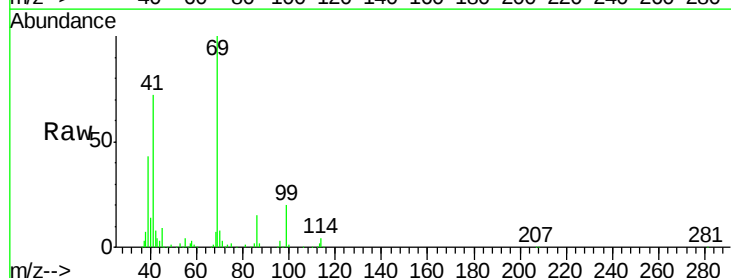
Manual Integrations
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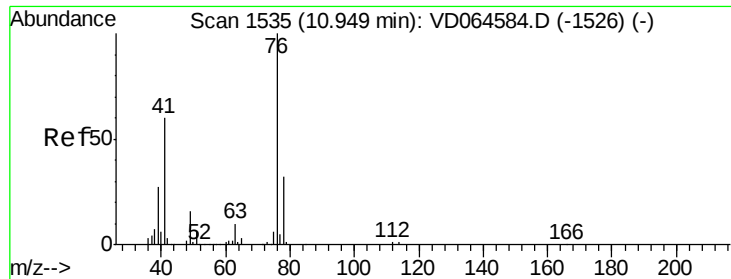
MMDadoda
 1/21/2020 9:23:24 AM



#56
 Ethyl methacrylate
 Concen: 40.524 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion:	69	Resp:	121652
Ion	Ratio	Lower	Upper
69	100		
41	70.3	55.3	82.9
39	40.4	33.8	50.8





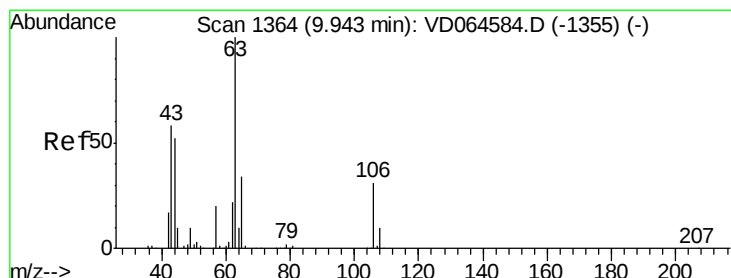
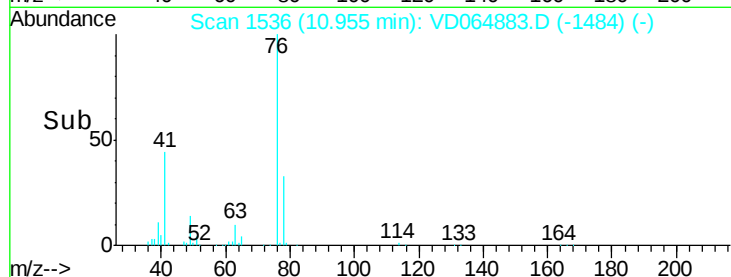
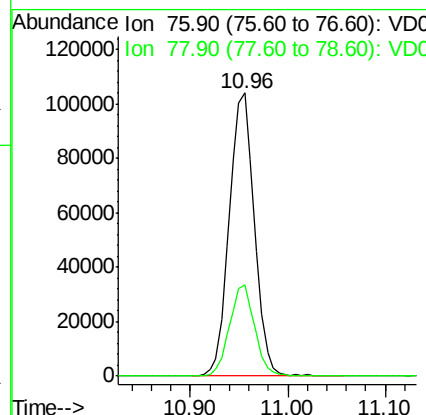
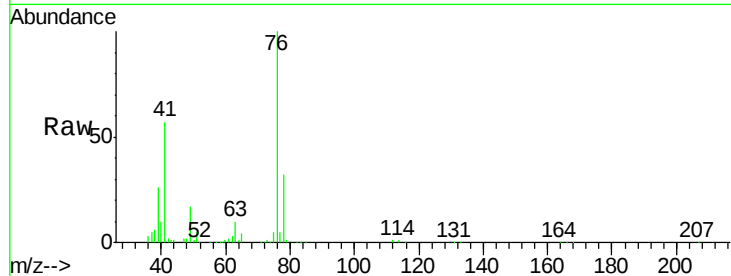
#57
 1,3-Dichloropropane
 Concen: 44.975 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion: 76 Resp: 186141
 Ion Ratio Lower Upper
 76 100
 78 32.3 26.2 39.4

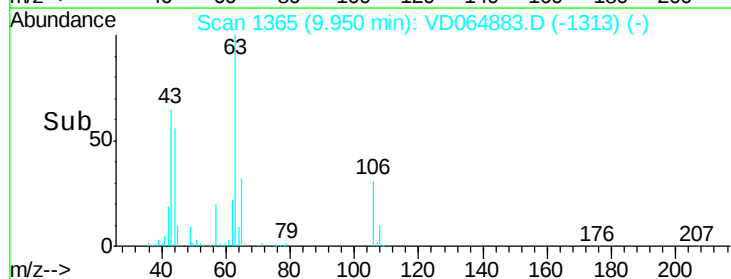
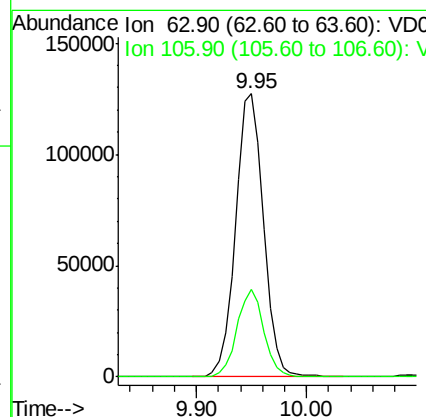
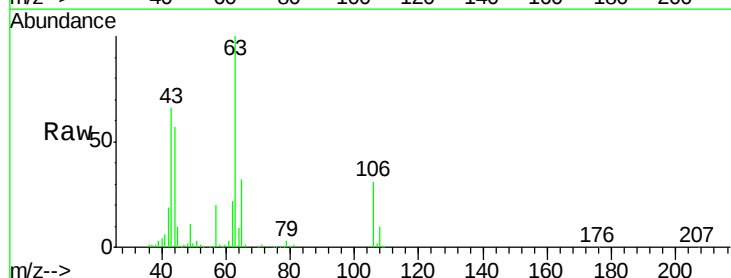
Manual Integrations
 APPROVED

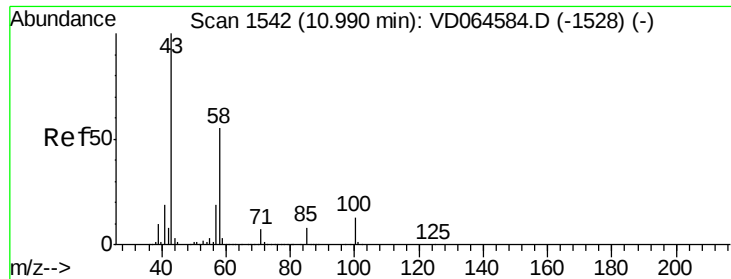
MMDadoda
 1/21/2020 9:23:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 197.307 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion: 63 Resp: 225664
 Ion Ratio Lower Upper
 63 100
 106 29.7 23.8 35.8





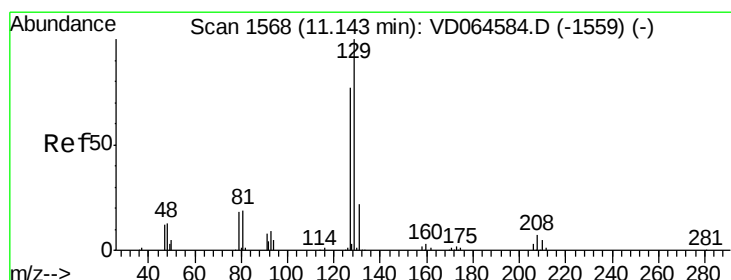
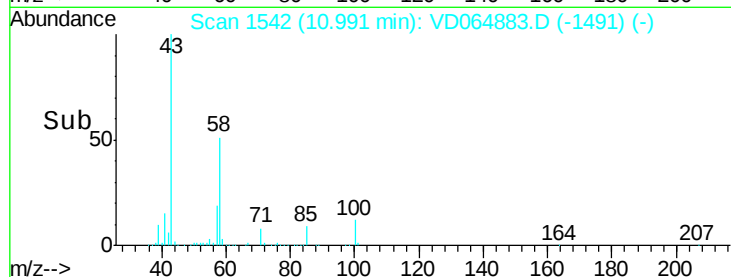
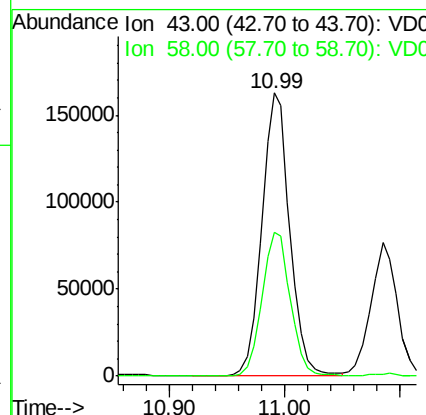
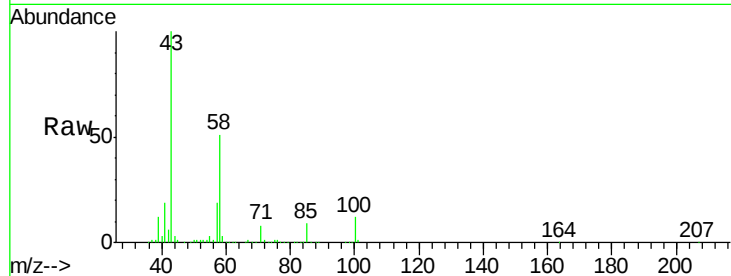
#59
2-Hexanone
Concen: 212.245 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion: 43 Resp: 273270
Ion Ratio Lower Upper
43 100
58 51.9 26.4 79.0

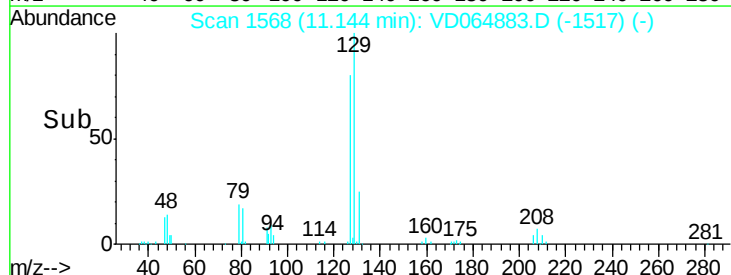
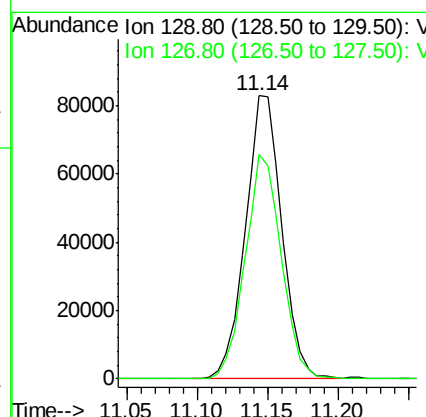
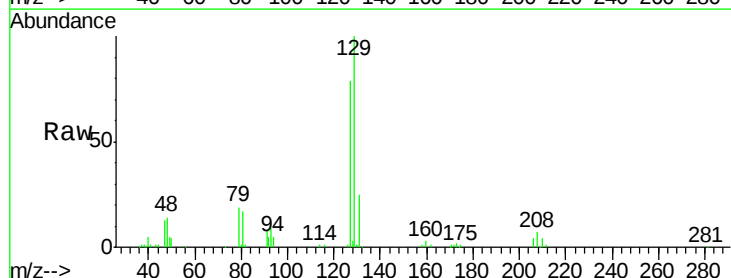
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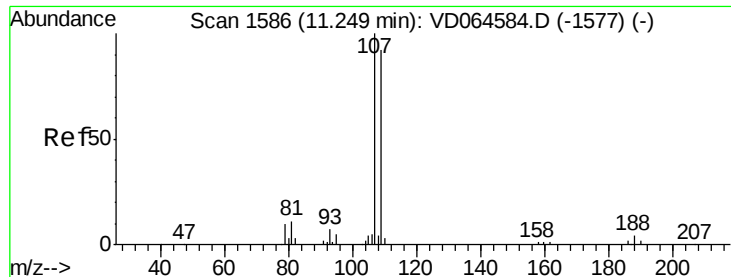
MMDadoda
1/21/2020 9:23:24 AM



#60
Dibromochloromethane
Concen: 45.102 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion: 129 Resp: 149921
Ion Ratio Lower Upper
129 100
127 78.7 38.4 115.2





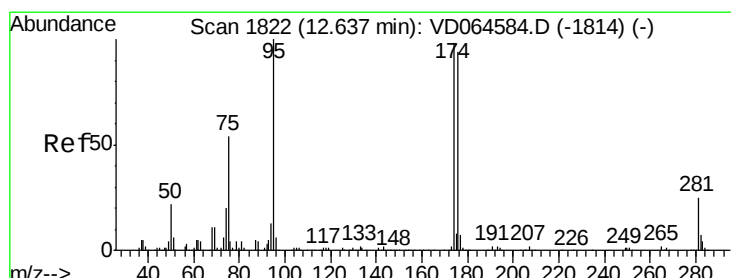
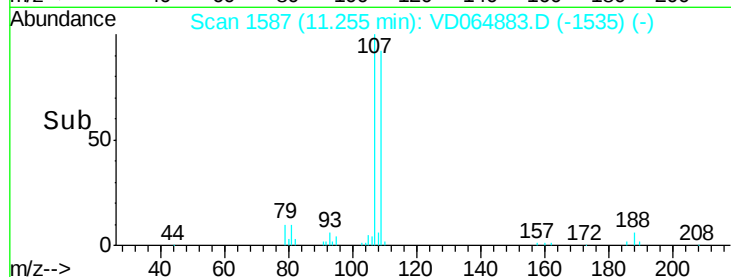
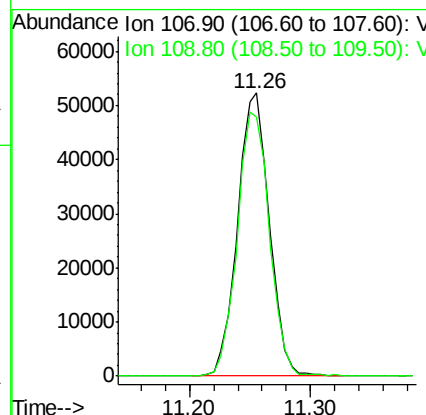
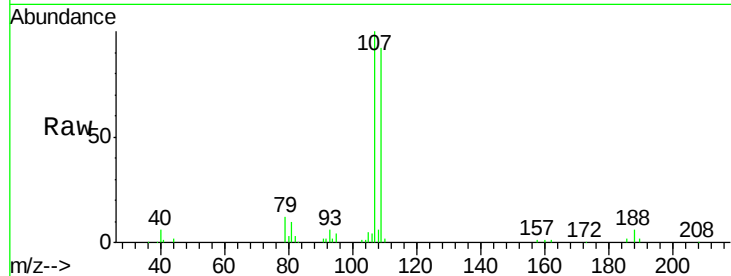
#61
 1,2-Dibromoethane
 Concen: 40.377 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion: 107 Resp: 95727
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.6 113.4

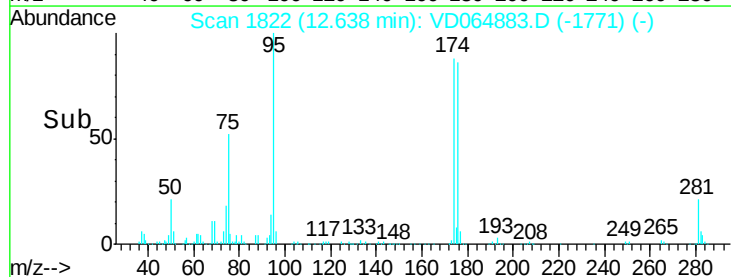
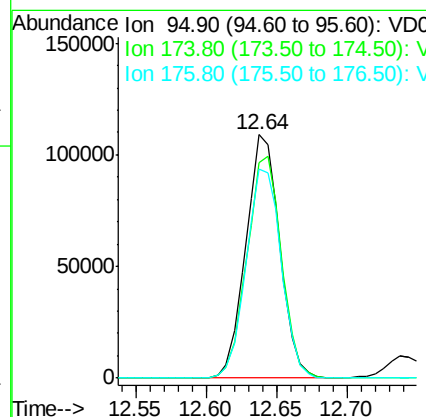
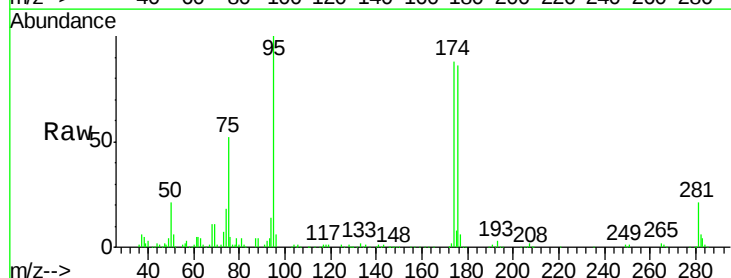
Manual Integrations
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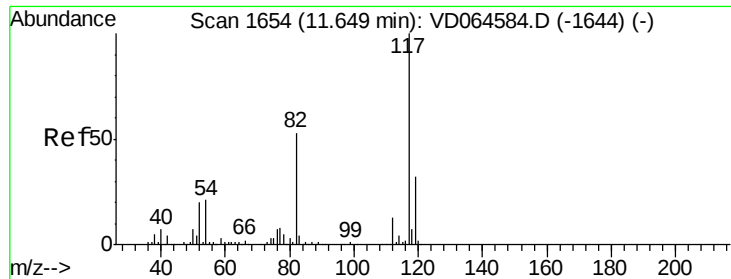
MMDadoda
 1/21/2020 9:23:24 AM



#62
 4-Bromofluorobenzene
 Concen: 48.461 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion: 95 Resp: 183614
 Ion Ratio Lower Upper
 95 100
 174 92.7 0.0 193.2
 176 88.7 0.0 184.2





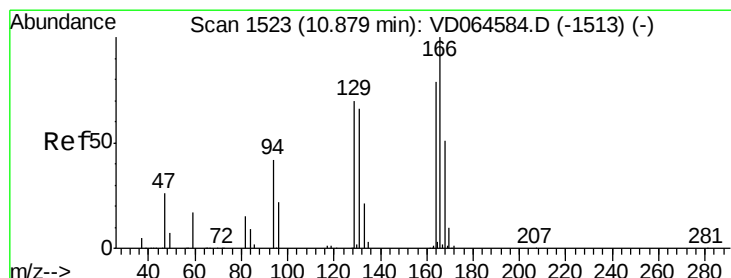
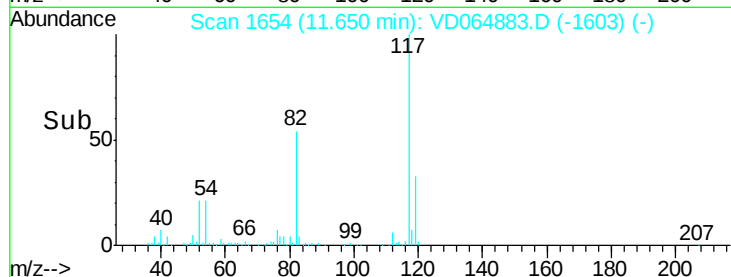
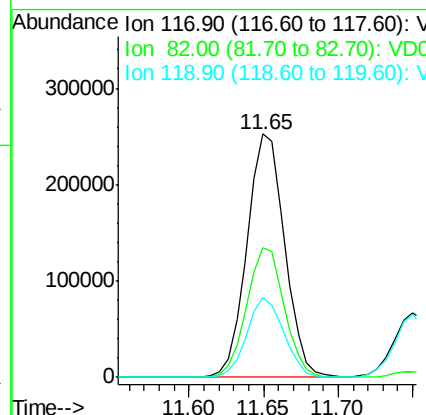
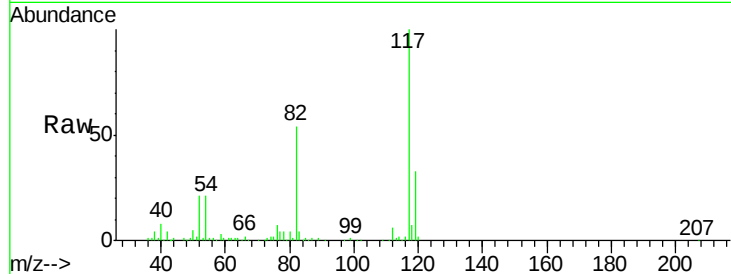
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.2	63.4
119	32.9	26.0	39.0

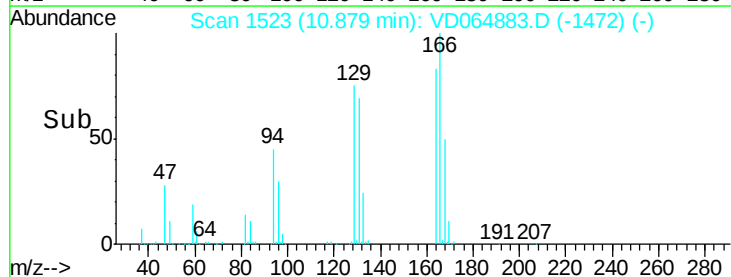
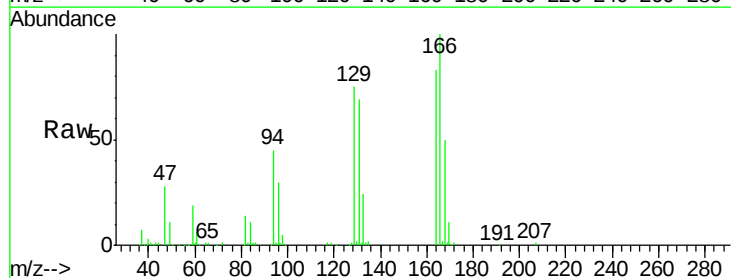
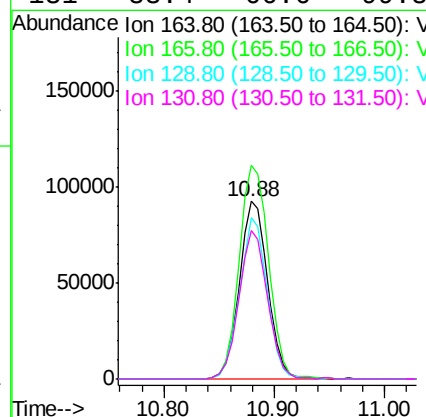
Manual Integrations
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#64
Tetrachloroethene
Concen: 49.422 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.2	101.3	151.9
129	90.5	70.5	105.7
131	83.4	66.6	99.8





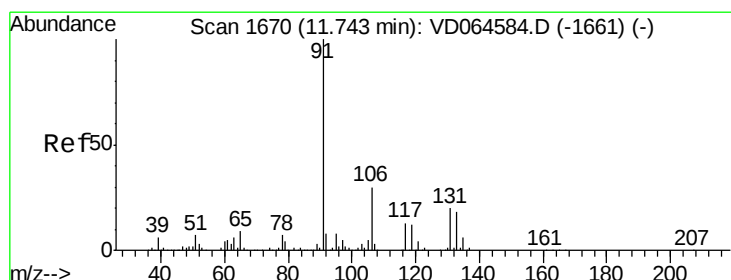
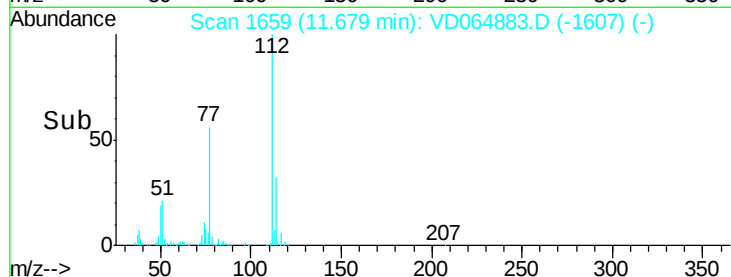
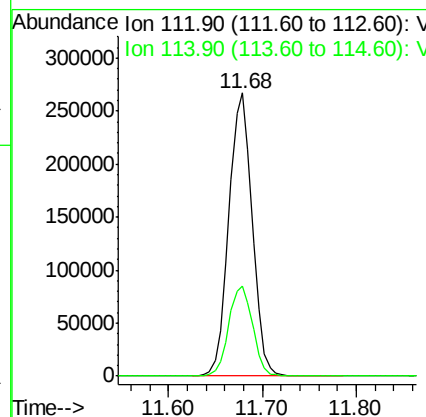
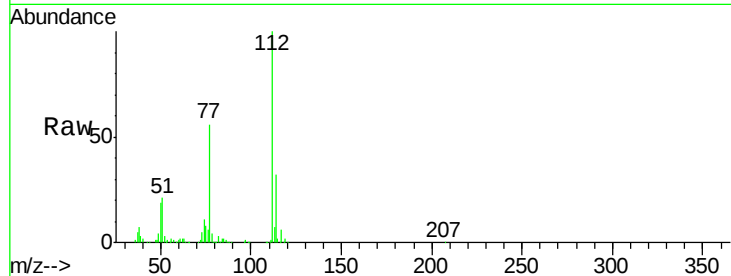
#65
Chlorobenzene
Concen: 50.670 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	24.8	37.2

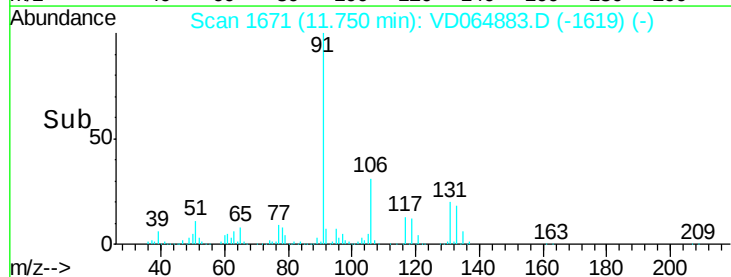
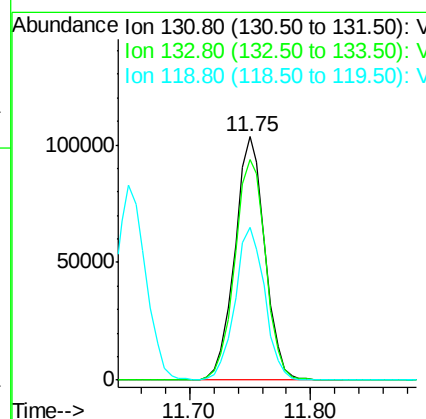
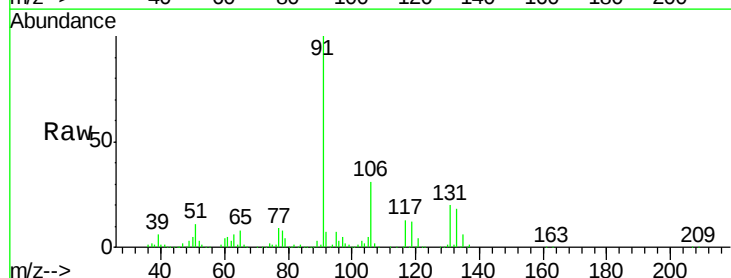
Manual Integrations
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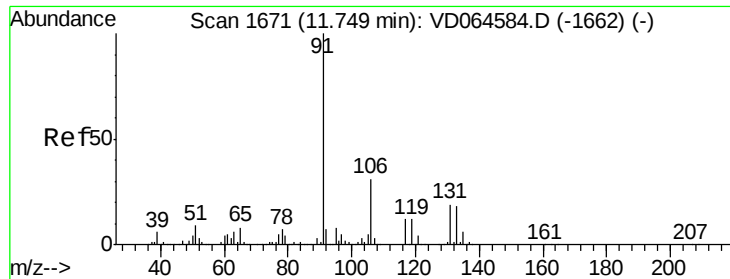
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.000 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.9	48.3	144.8
119	62.5	32.1	96.3





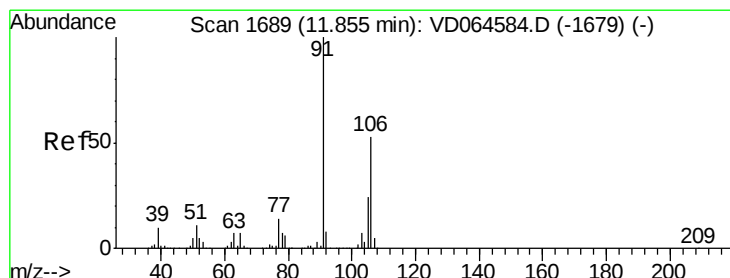
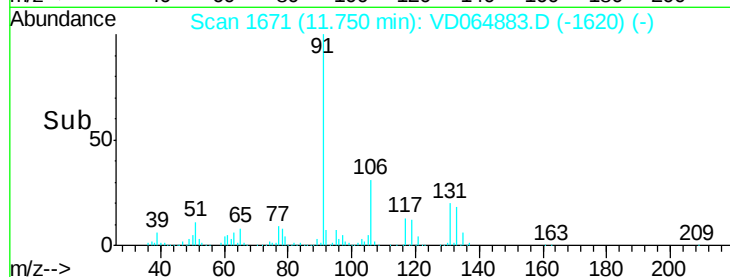
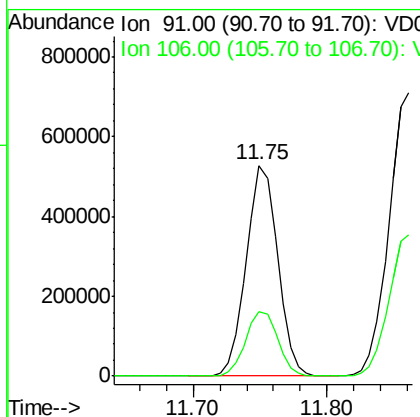
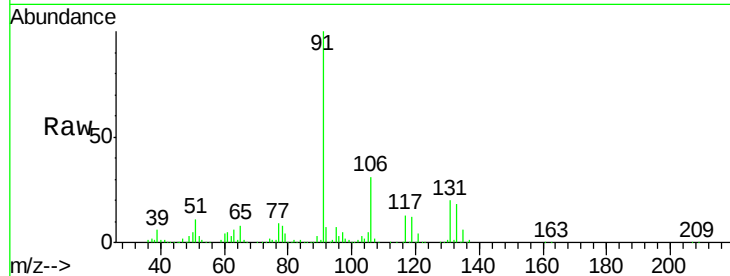
#67
Ethyl Benzene
Concen: 52.004 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion: 91 Resp: 861118
Ion Ratio Lower Upper
91 100
106 30.8 24.6 36.8

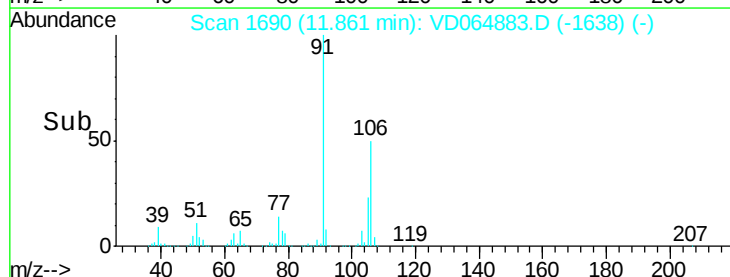
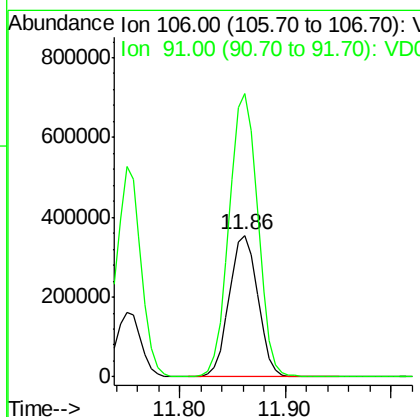
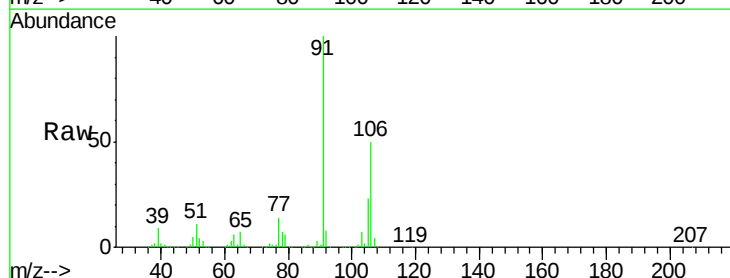
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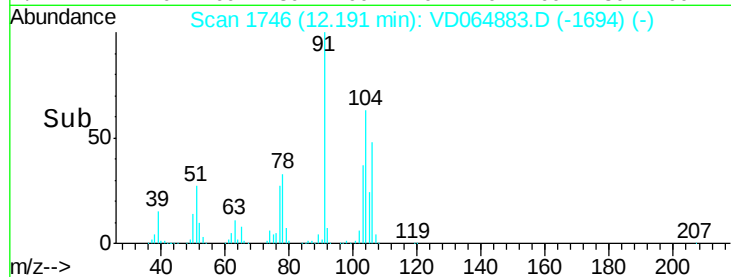
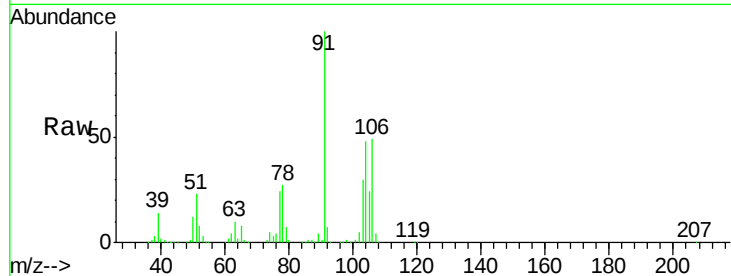
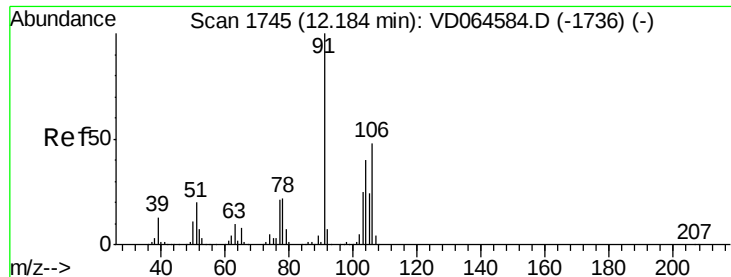
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#68
m/p-Xylenes
Concen: 104.021 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion: 106 Resp: 664836
Ion Ratio Lower Upper
106 100
91 199.5 156.3 234.5





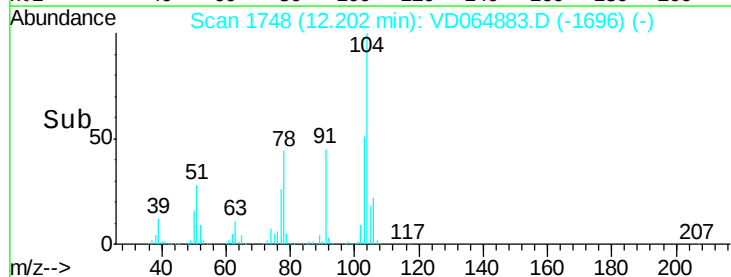
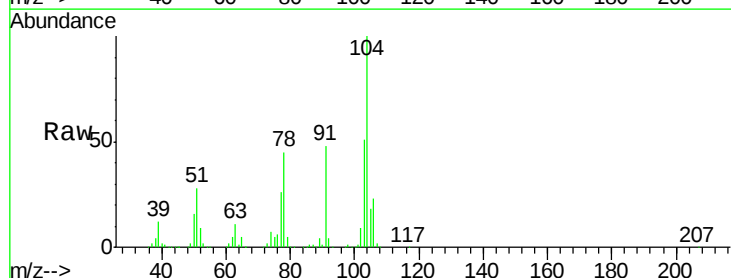
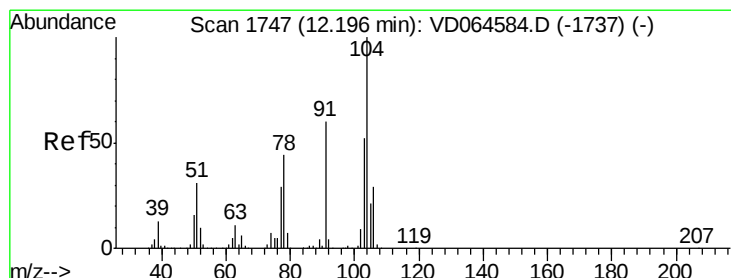
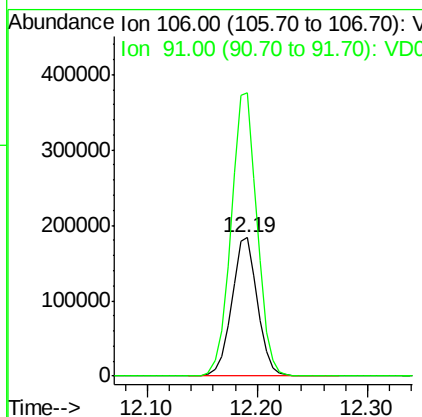
#69
o-Xylene
Concen: 51.832 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tot Ion:106 Resp: 299225
Ion Ratio Lower Upper
106 100
91 207.7 104.8 314.4

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

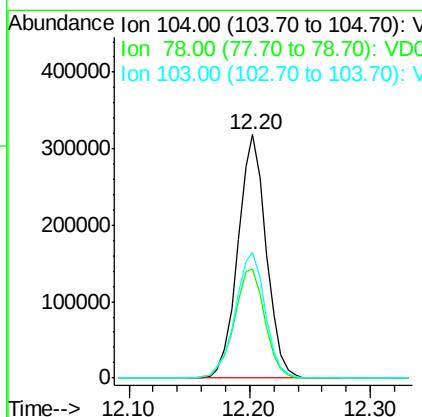
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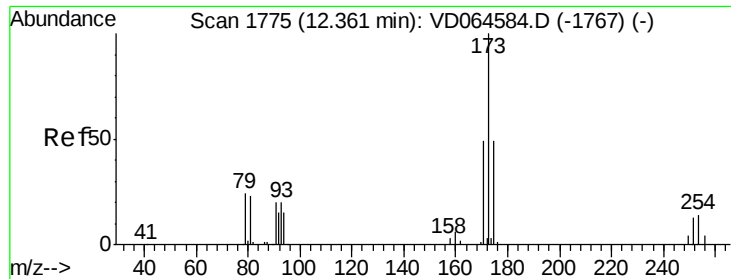
MMDadoda
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#70
Styrene
Concen: 51.237 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion:104 Resp: 519201
Ion Ratio Lower Upper
104 100
78 48.9 38.2 57.2
103 55.1 44.6 67.0





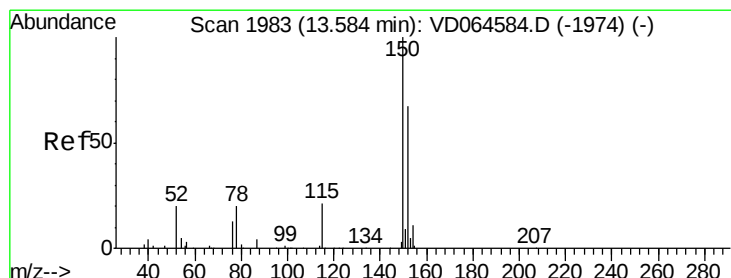
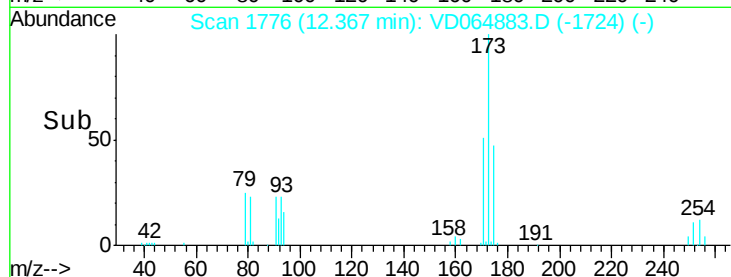
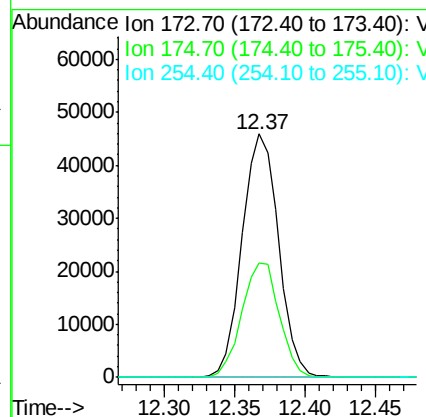
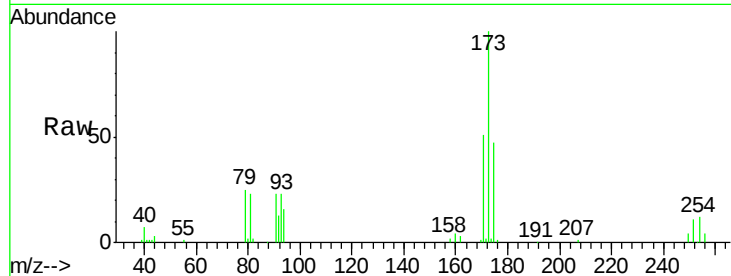
#71
Bromoform
Concen: 42.280 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.1	0.1	0.1#

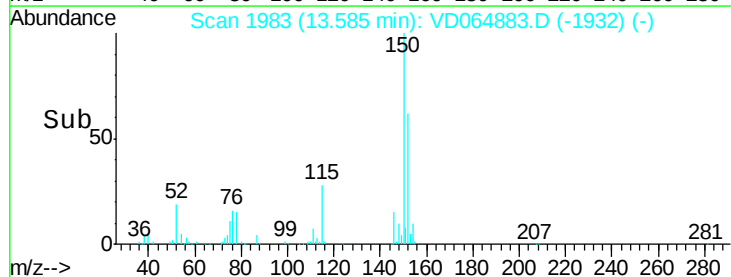
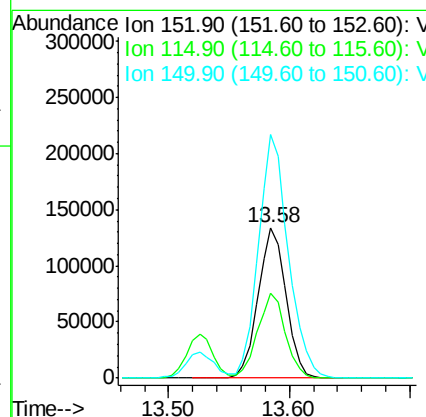
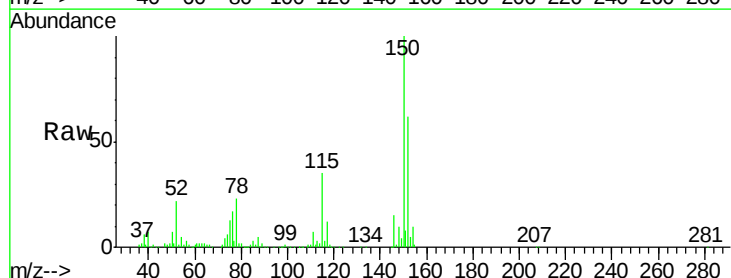
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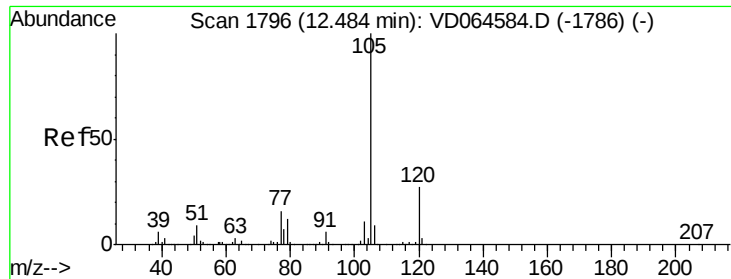
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	27.8	83.4
150	174.2	0.0	351.4





#73

Isopropylbenzene

Concen: 54.361 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampled :

EP-3MS

Tot Ion: 105 Resp: 832364

Ion Ratio Lower Upper

105 100

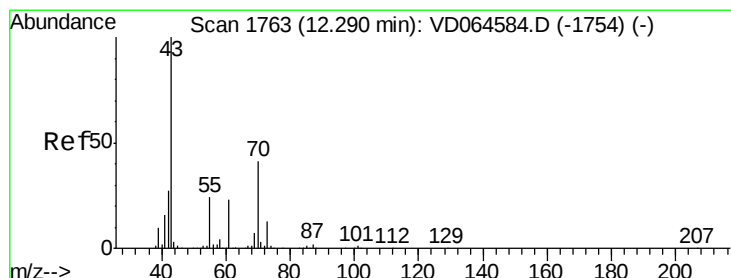
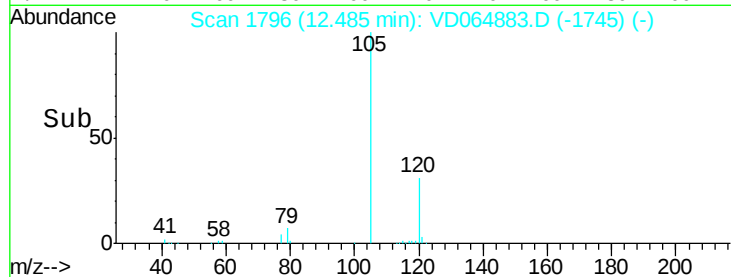
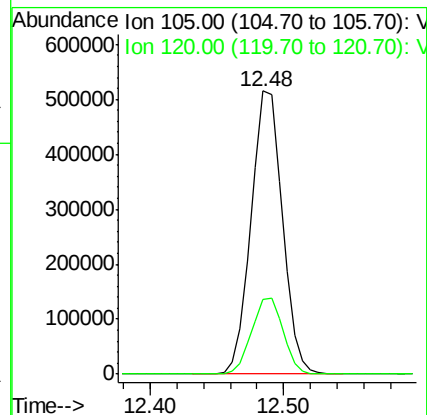
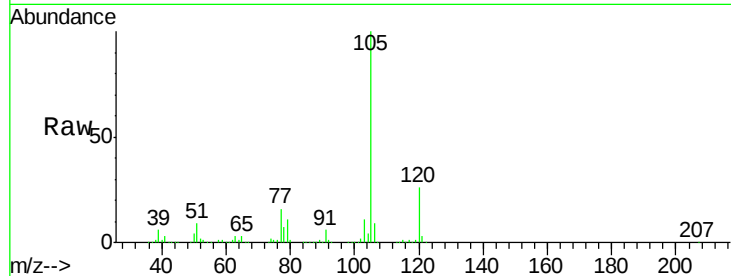
120 26.9 13.5 40.5

Manual Integrations

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#74

N-ethyl acetate

Concen: 40.740 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion: 43 Resp: 133345

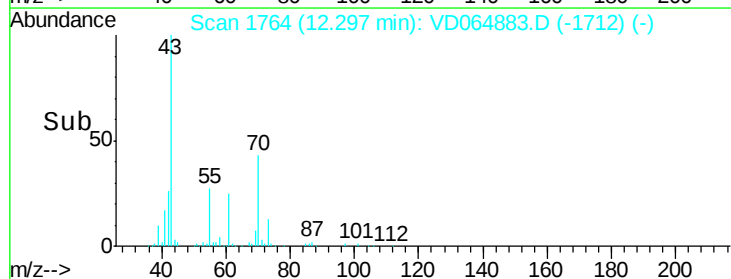
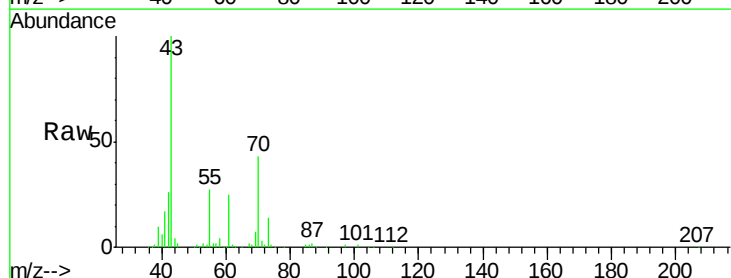
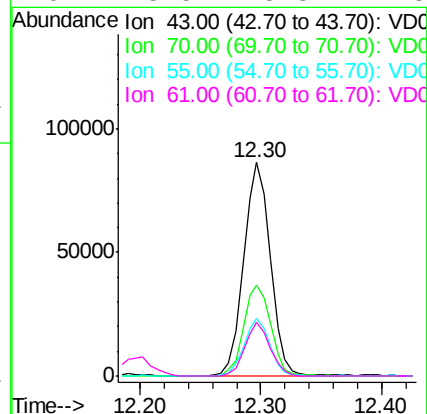
Ion Ratio Lower Upper

43 100

70 43.1 33.4 50.0

55 26.2 19.4 29.0

61 23.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 42.554 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

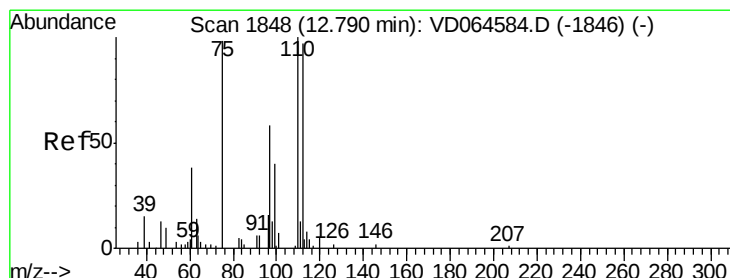
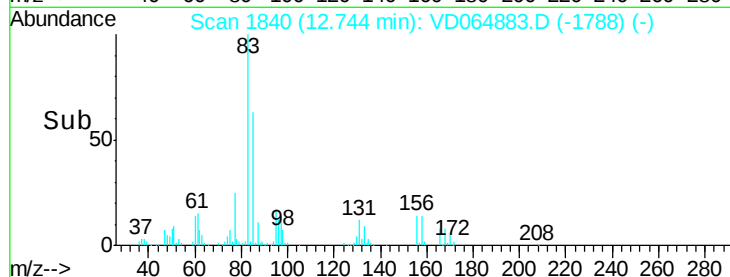
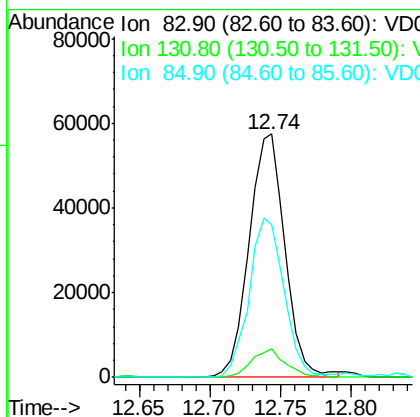
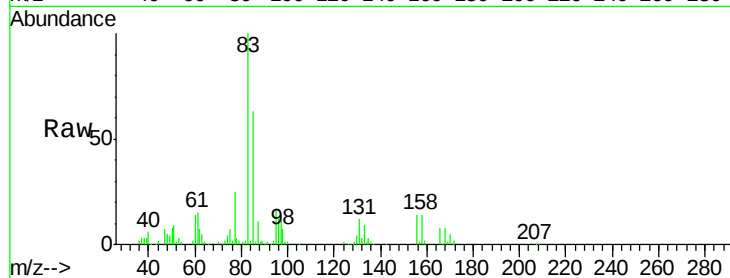
ClientSampleId :

EP-3MS

Tot Ion:	83	Resp:	102356
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.4
85	64.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 33.257 ug/l m

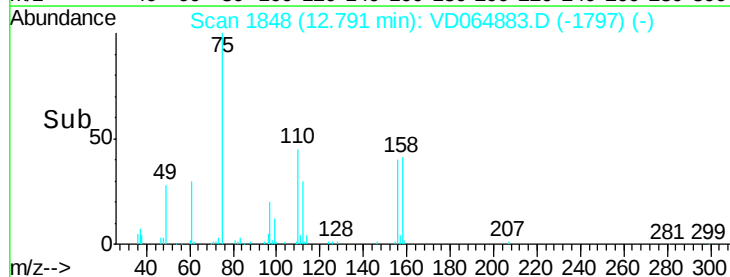
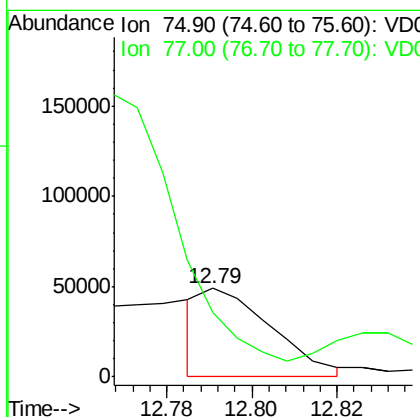
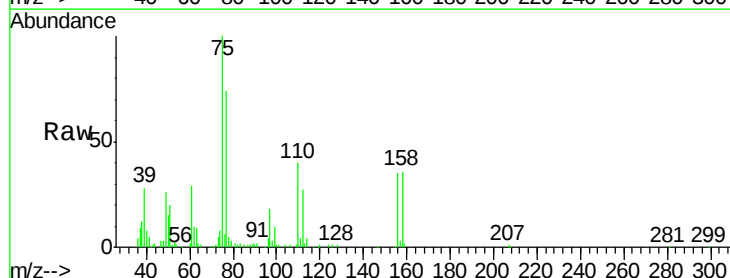
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion:	75	Resp:	56270
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.820 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

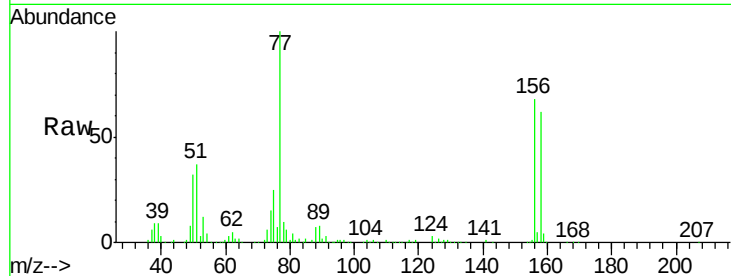
ClientSampleId :

EP-3MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		183678		
77	161.4	80.9	242.7		
158	96.9	48.0	144.2		

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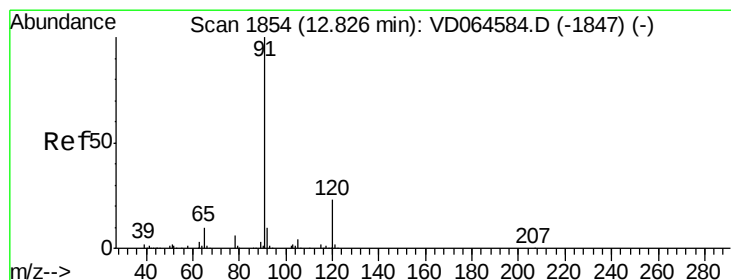
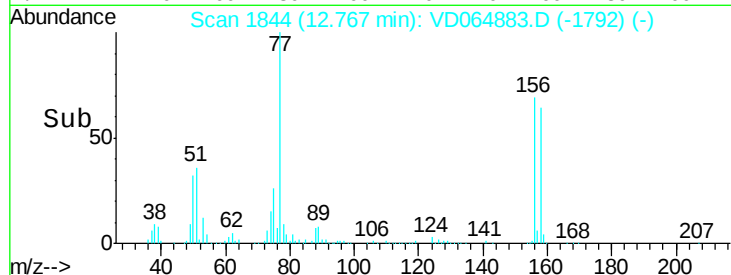
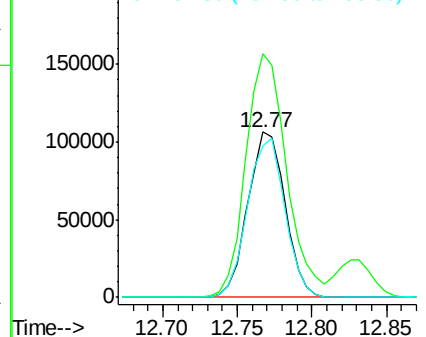
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.630 ug/l

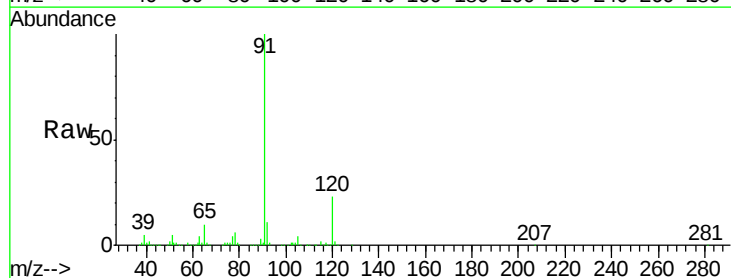
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064883.D

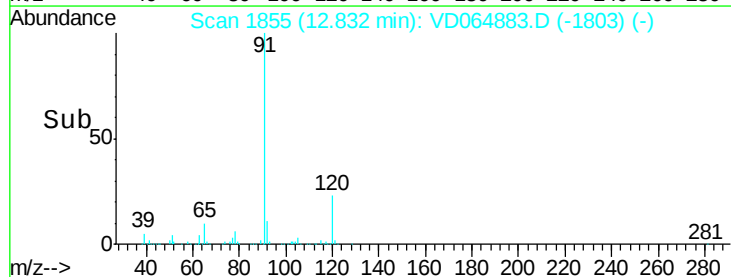
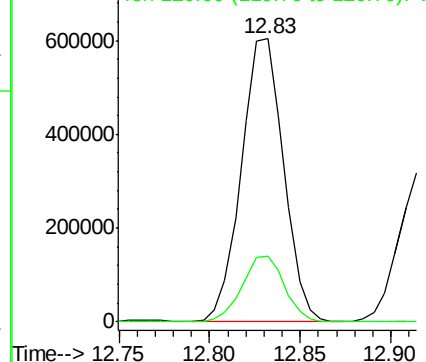
Acq: 20 Jan 2020 11:46

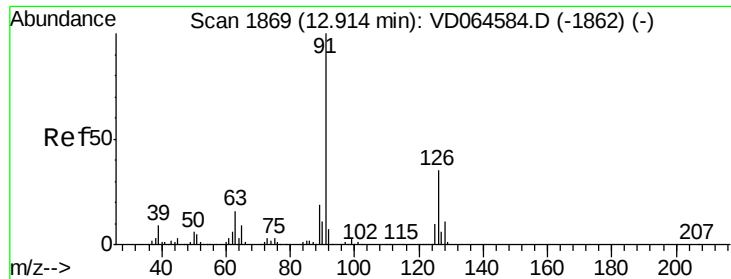
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		975870		
120	23.4	11.9	35.9		



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





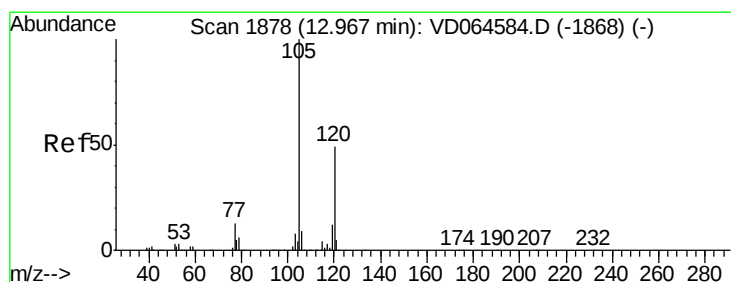
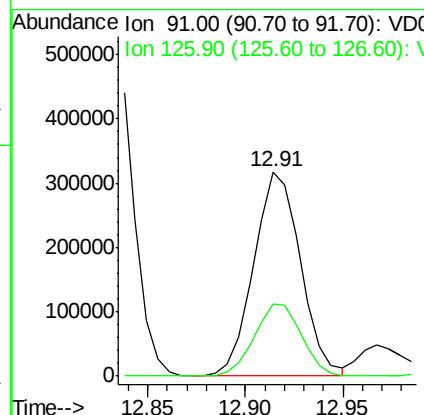
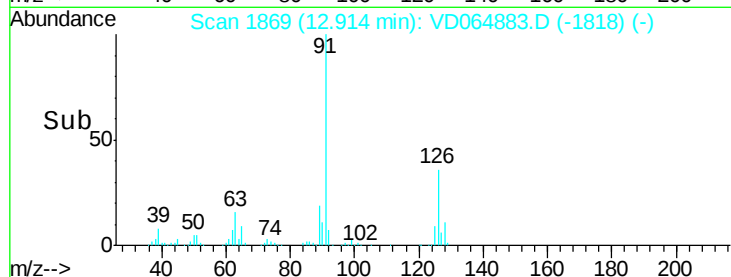
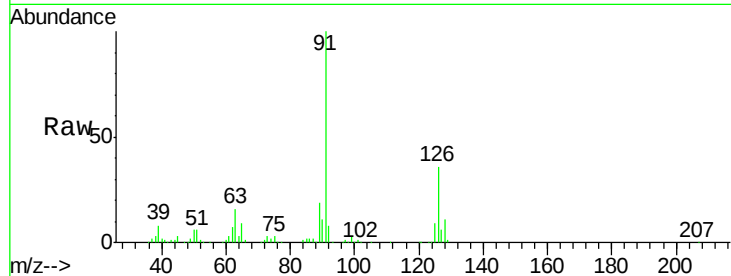
#79
 2-Chlorotoluene
 Concen: 53.670 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion: 91 Resp: 526656
 Ion Ratio Lower Upper
 91 100
 126 36.0 17.8 53.5

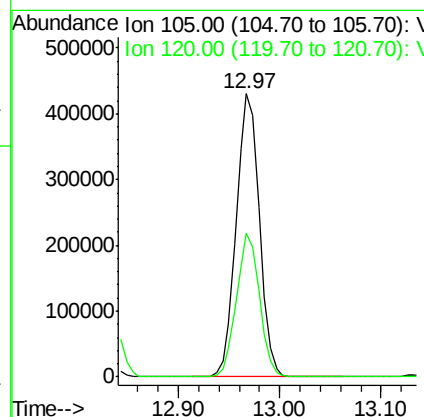
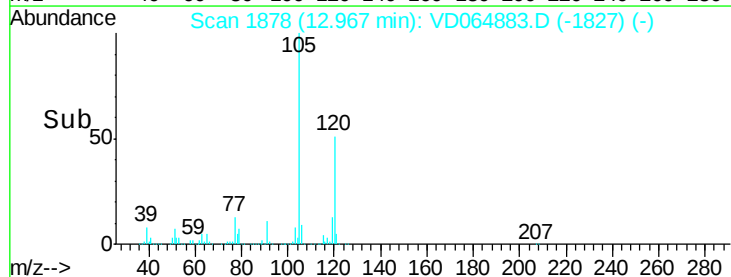
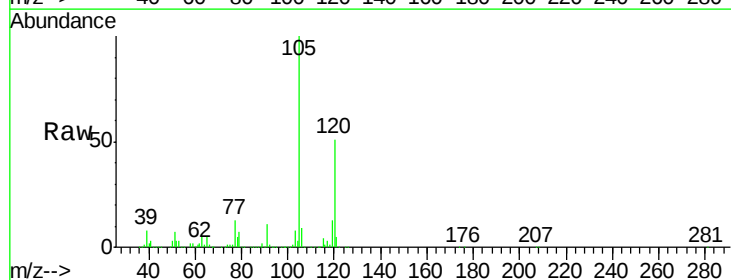
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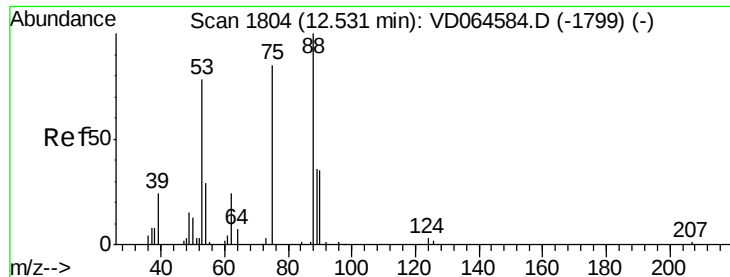
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#80
 1,3,5-Trimethylbenzene
 Concen: 54.246 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion: 105 Resp: 682298
 Ion Ratio Lower Upper
 105 100
 120 50.4 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 41.697 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

ClientSampleId :

EP-3MS

Tot Ion: 75 Resp: 33732

Ion Ratio Lower Upper

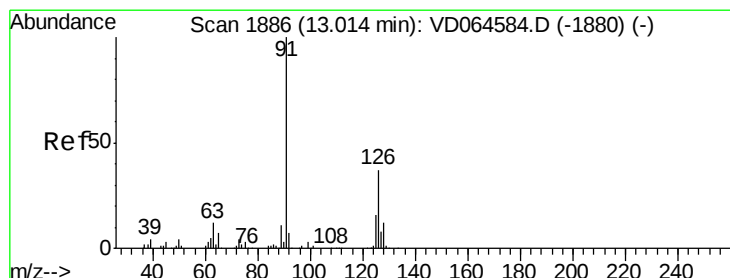
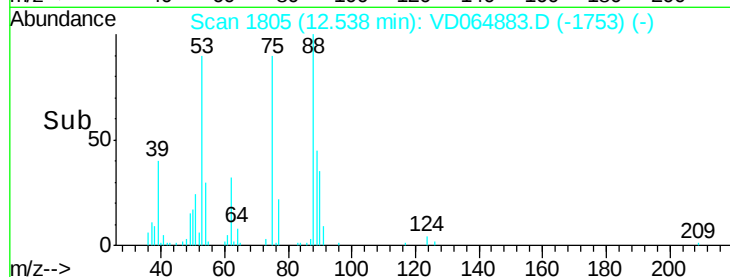
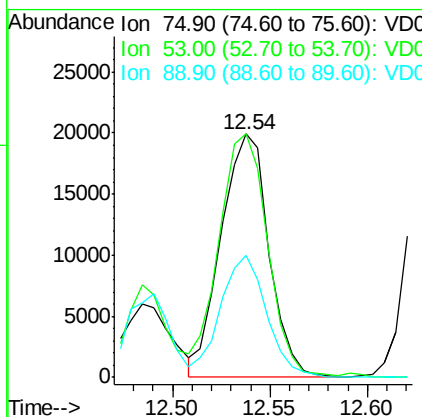
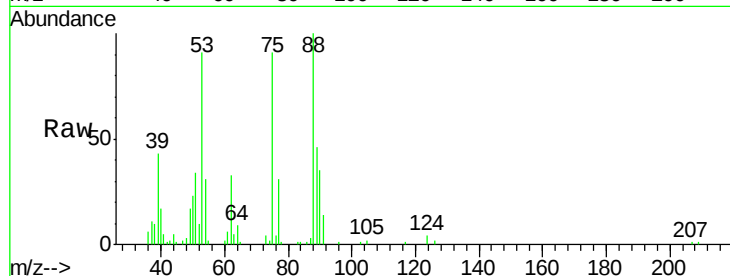
75 100

53 102.6 78.8 118.2

89 48.5 38.3 57.5

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#82

4-Chlorotoluene

Concen: 52.938 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD064883.D

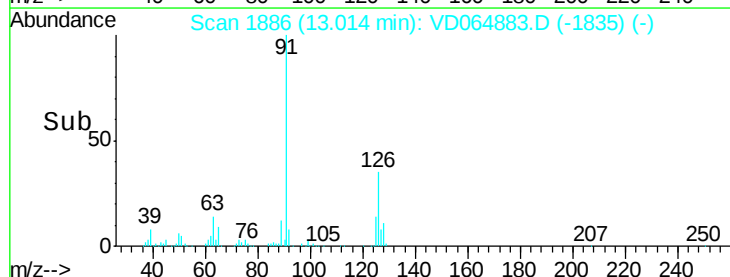
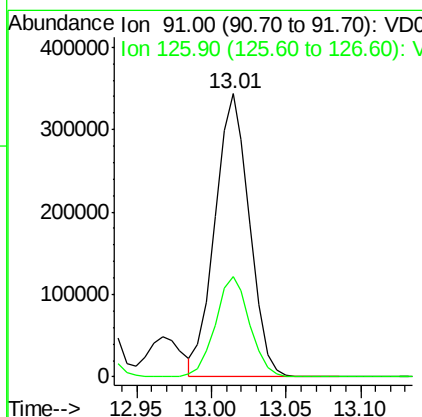
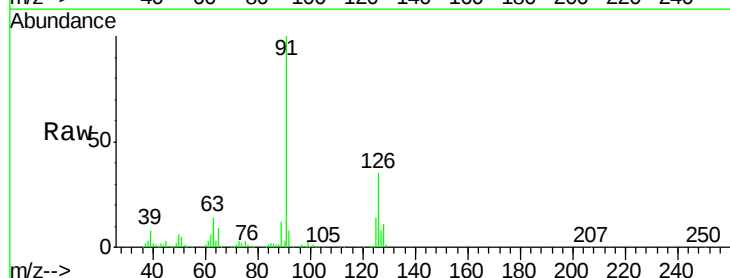
Acq: 20 Jan 2020 11:46

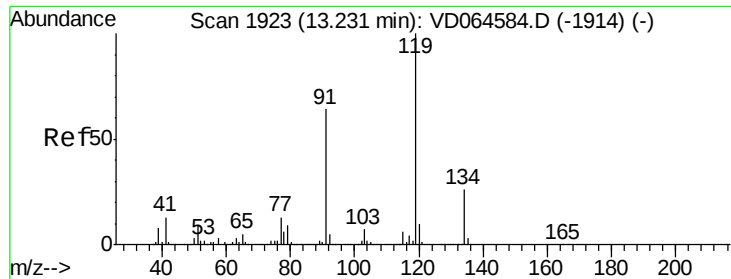
Tgt Ion: 91 Resp: 552826

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.5





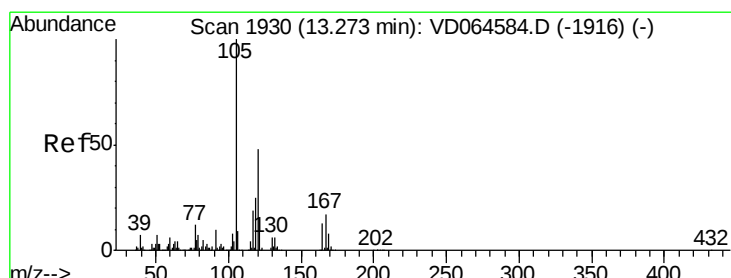
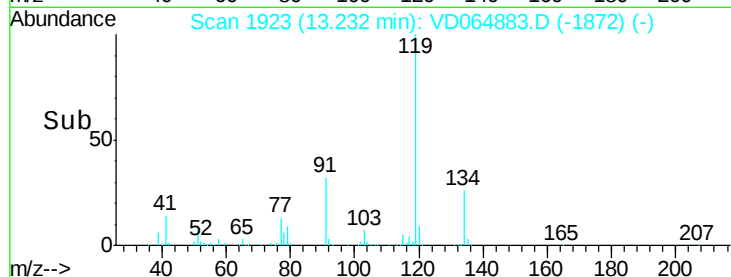
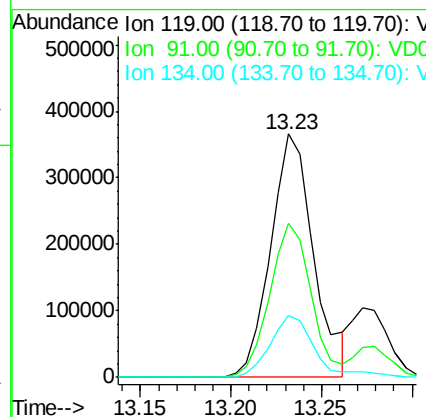
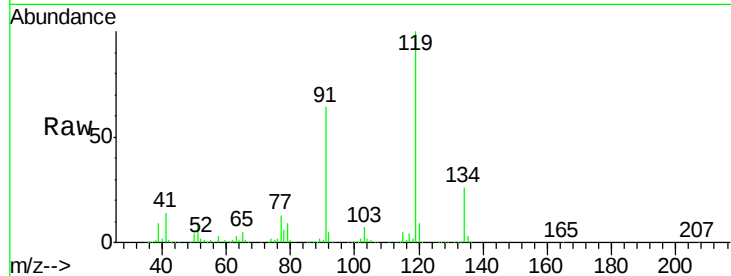
#83
tert-Butylbenzene
Concen: 55.334 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampled :
EP-3MS

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.2	30.8	92.4
134	26.6	12.8	38.3

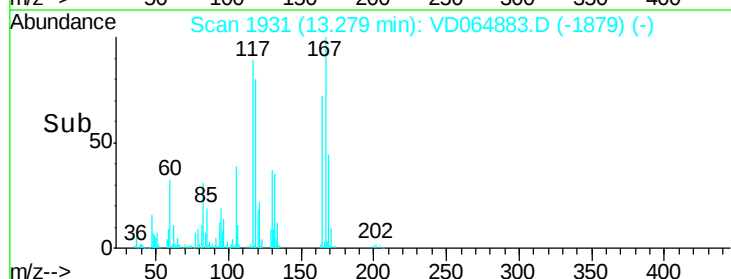
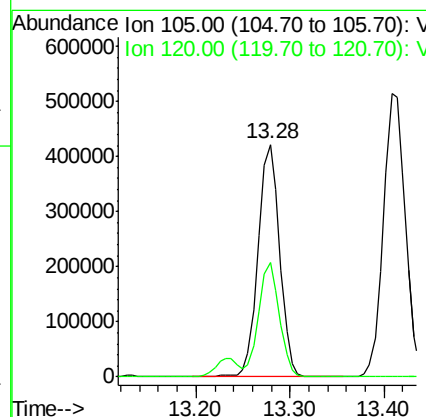
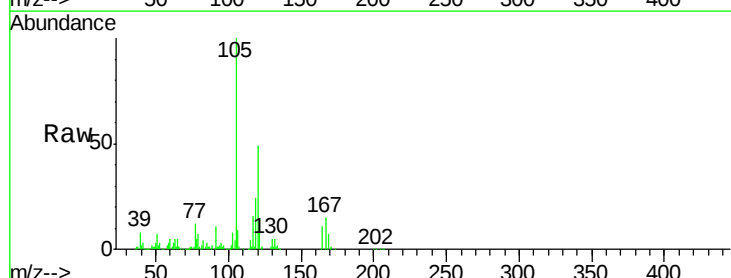
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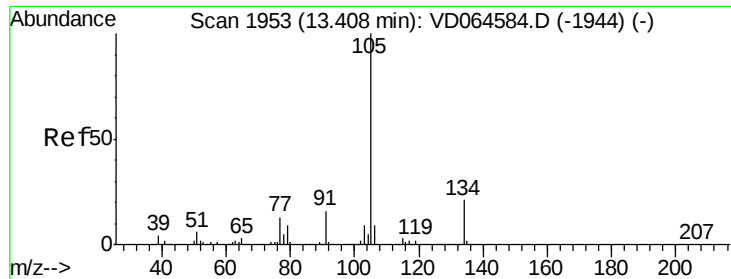
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#84
1,2,4-Trimethylbenzene
Concen: 53.661 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.8	71.2





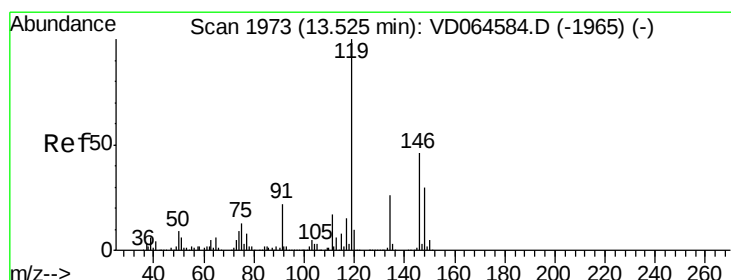
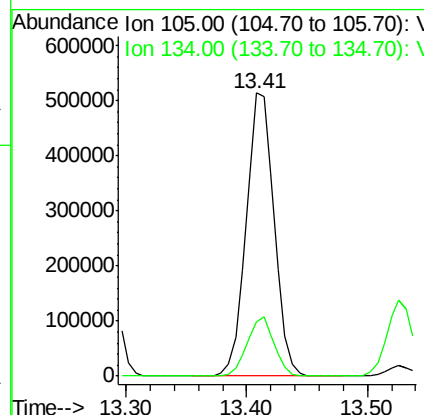
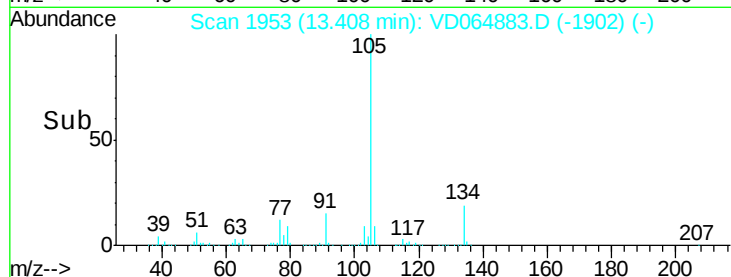
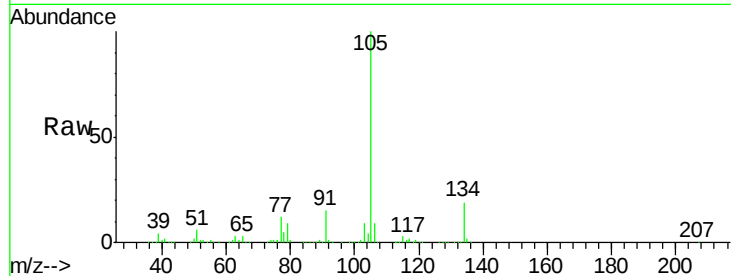
#85
 sec-Butylbenzene
 Concen: 55.246 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleID :
 EP-3MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.2	10.6	31.8

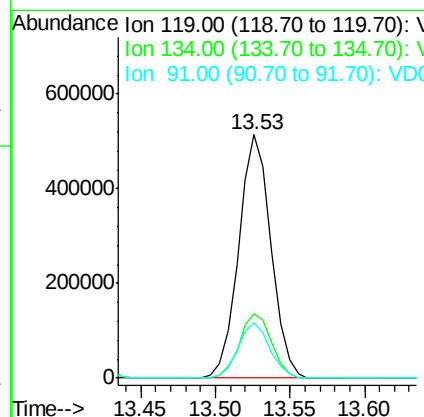
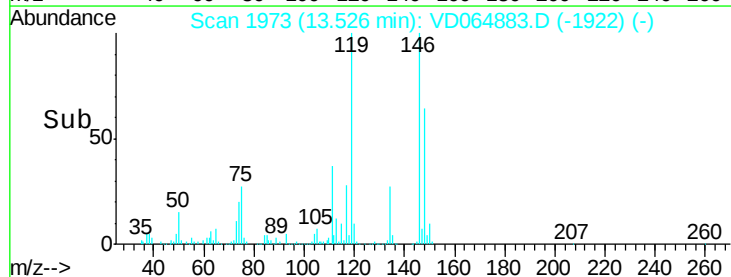
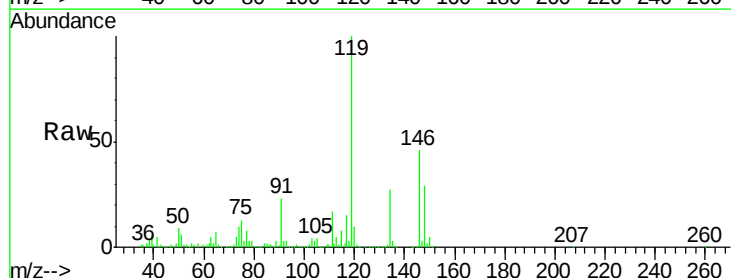
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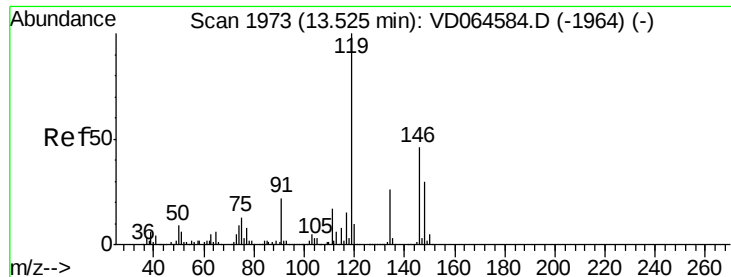
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#86
 p-Isopropyltoluene
 Concen: 53.896 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.5	13.4	40.1
91	22.2	11.2	33.6





#87

1,3-Dichlorobenzene

Concen: 52.020 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

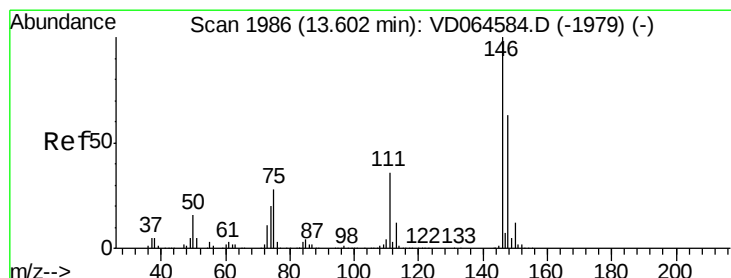
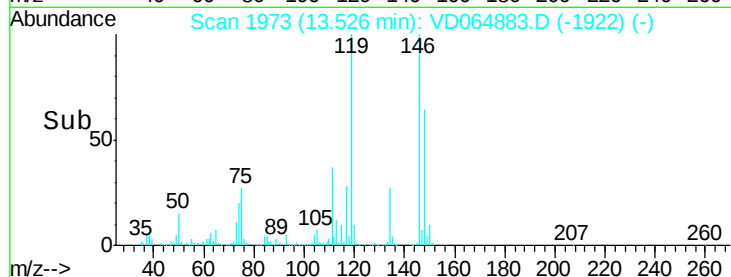
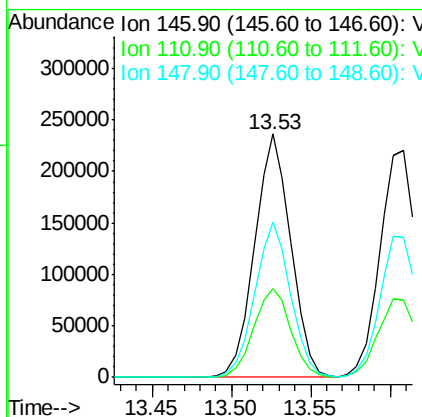
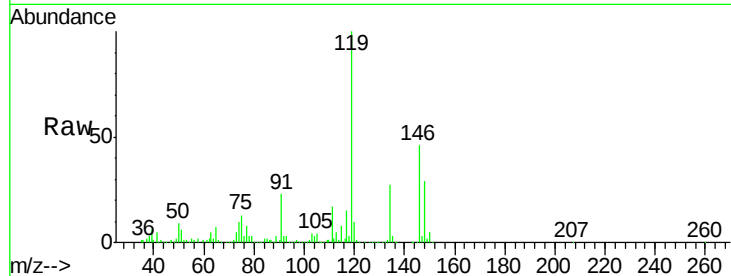
ClientSampleId :

EP-3MS

Tot Ion:	146	Resp:	373099
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.8	56.4
148	63.3	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 50.861 ug/l

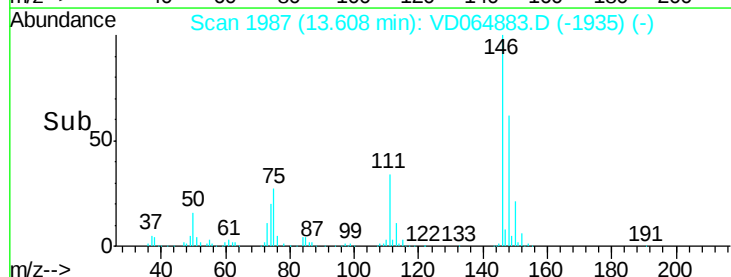
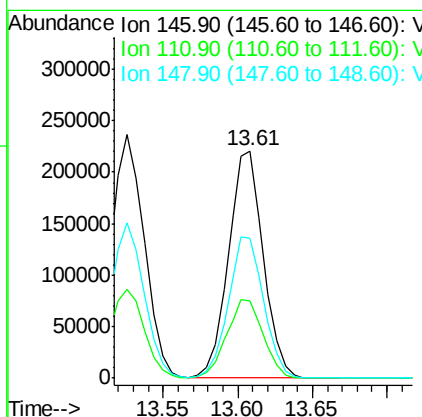
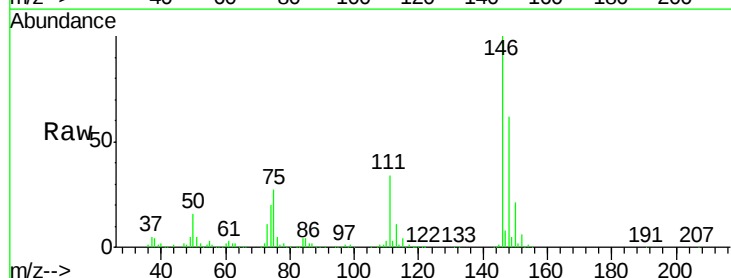
RT: 13.61 min Scan# 1987

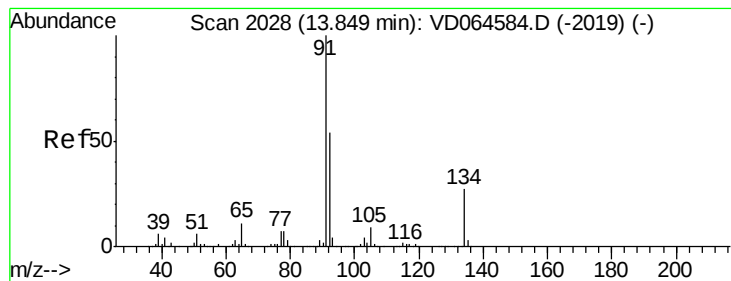
Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion:	146	Resp:	358358
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.1	54.1
148	63.1	32.3	96.9





#89

n-Butylbenzene

Concen: 54.492 ug/l

RT: 13.86 min Scan# 2029

Delta R.T. 0.01 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Instrument :

MSVOA_D

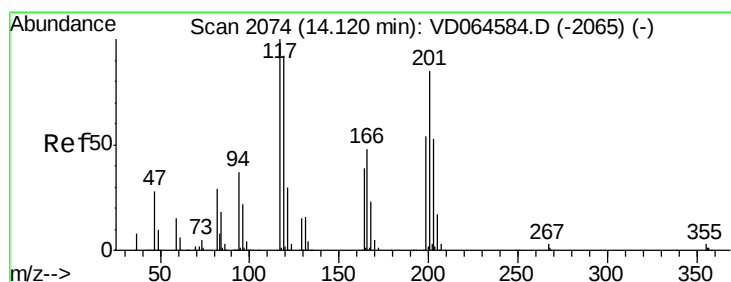
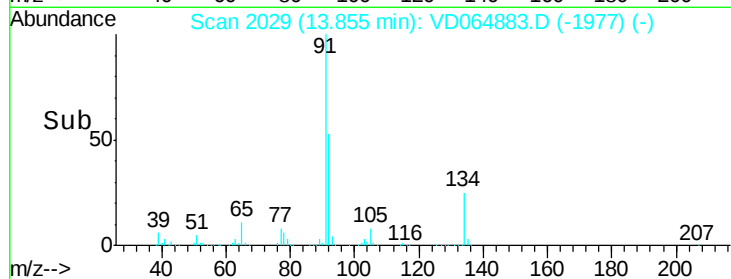
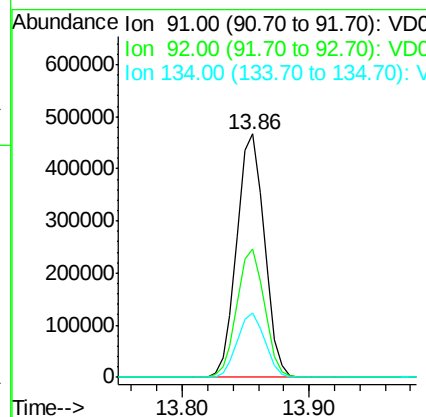
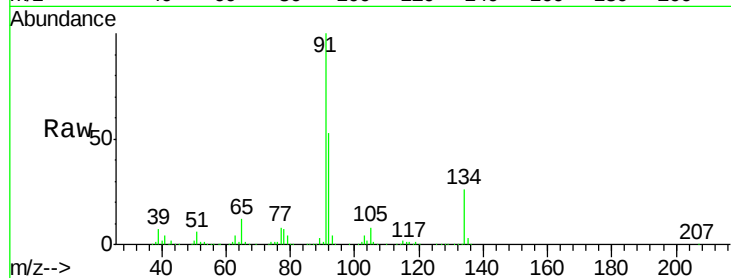
ClientSampleId :

EP-3MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		702502		
92	52.5	26.8	80.4		
134	26.3	14.0	41.9		

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#90

Hexachloroethane

Concen: 52.699 ug/l

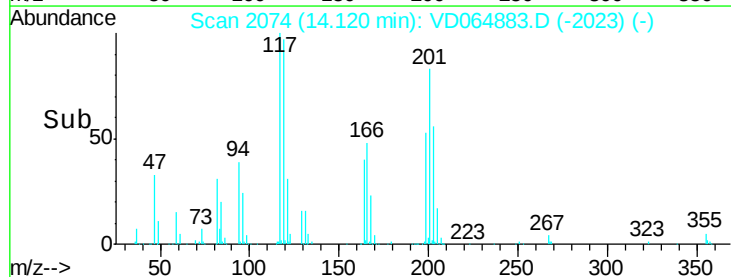
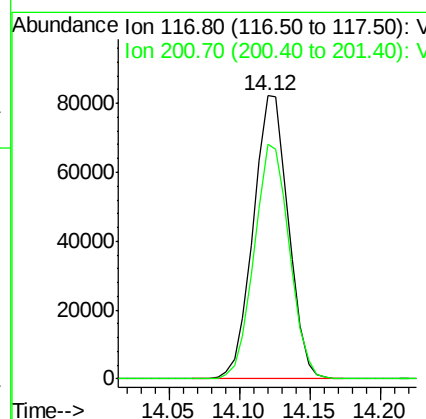
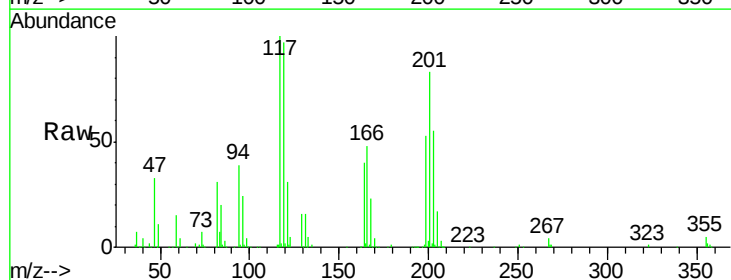
RT: 14.12 min Scan# 2074

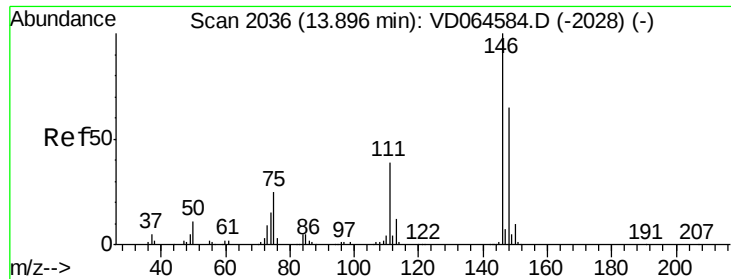
Delta R.T. 0.00 min

Lab File: VD064883.D

Acq: 20 Jan 2020 11:46

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		144112		
201	83.0	44.0	131.8		





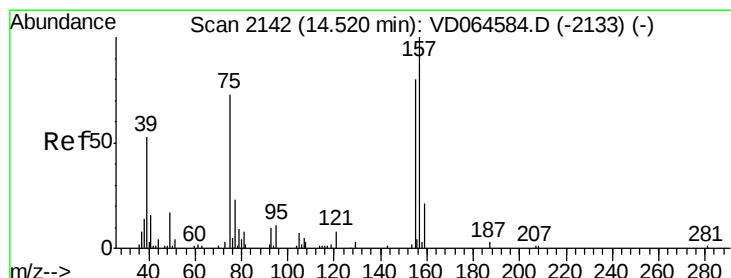
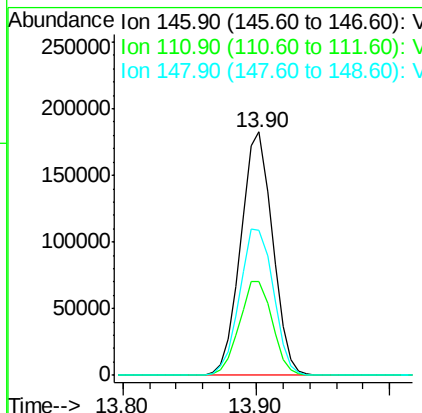
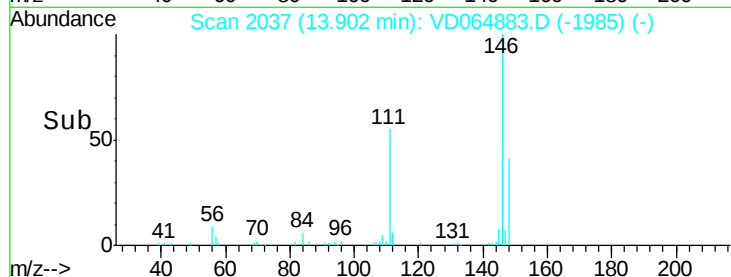
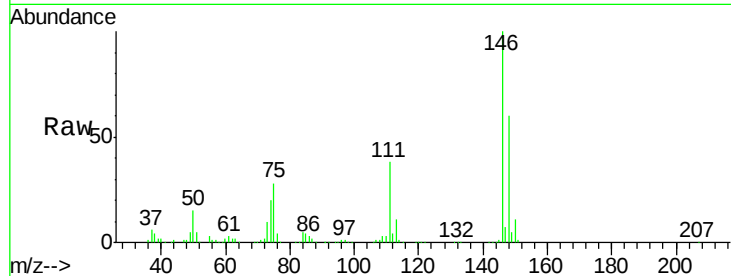
#91
 1,2-Dichlorobenzene
 Concen: 49.233 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	301101		
111	39.8	19.3	57.9	
148	64.0	31.9	95.5	

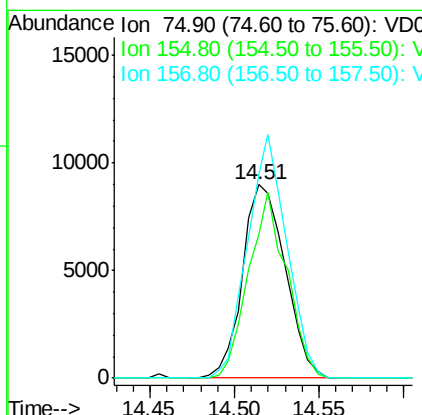
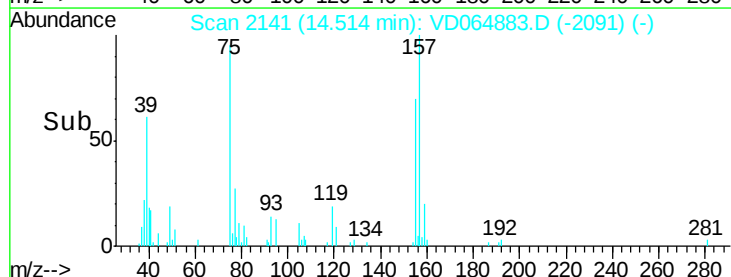
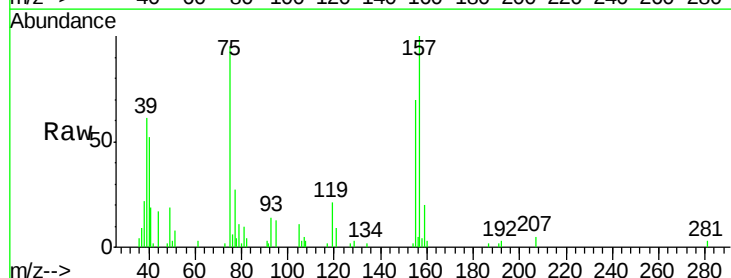
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 40.543 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	15809		
155	85.6	48.0	144.0	
157	115.5	64.1	192.3	





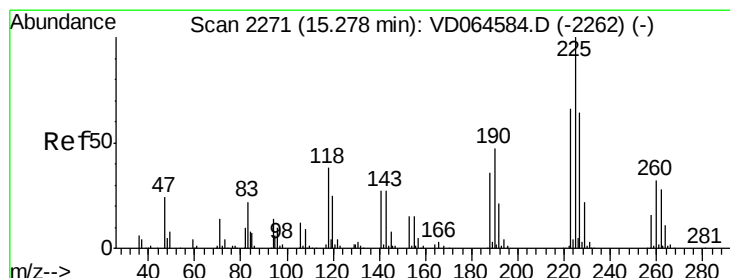
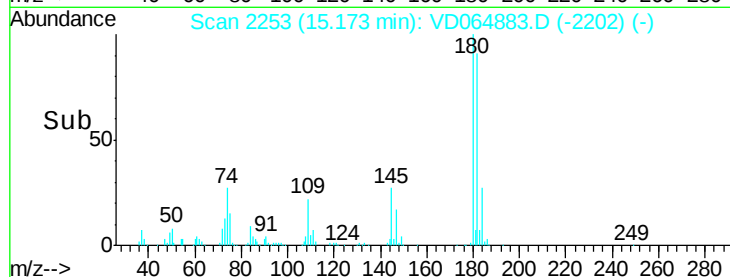
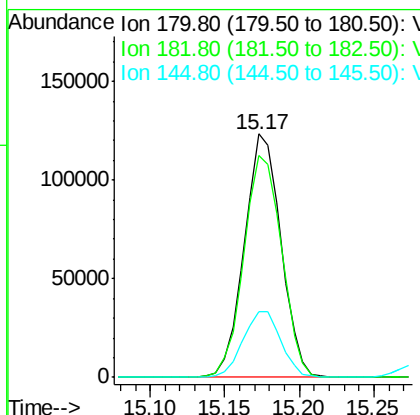
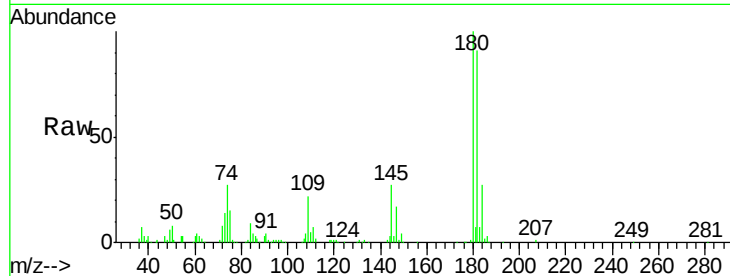
#93
 1,2,4-Trichlorobenzene
 Concen: 46.510 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
180	100	209440		
182	94.2	48.0	144.2	
145	28.1	13.8	41.4	

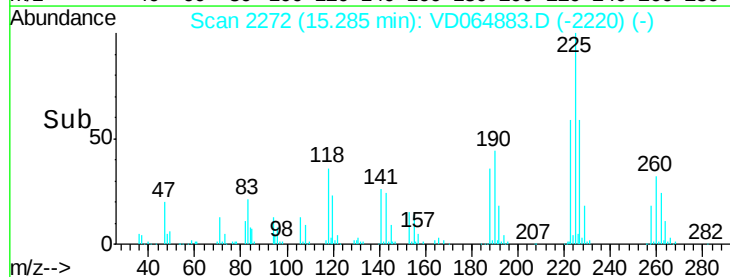
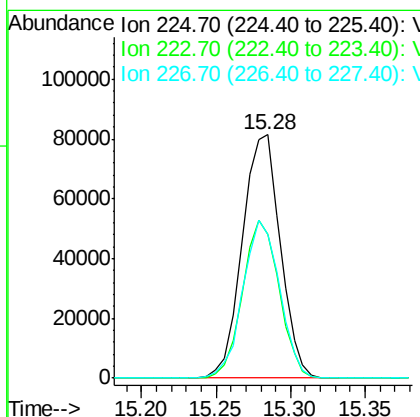
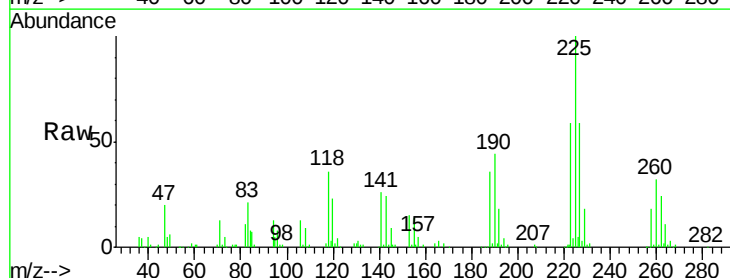
Manual Integrations
 APPROVED

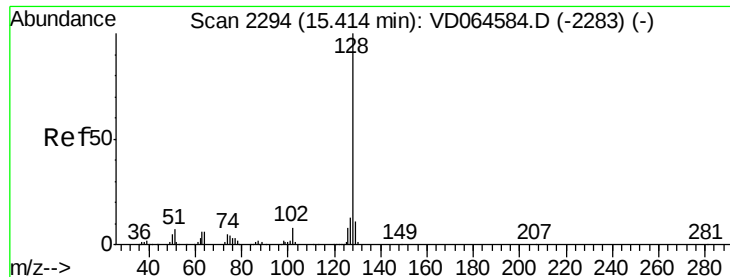
MMDadoda
 1/21/2020 9:23:24 AM



#94
 Hexachlorobutadiene
 Concen: 50.589 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064883.D
 Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	143353		
223	62.2	31.1	93.2	
227	62.6	30.9	92.7	





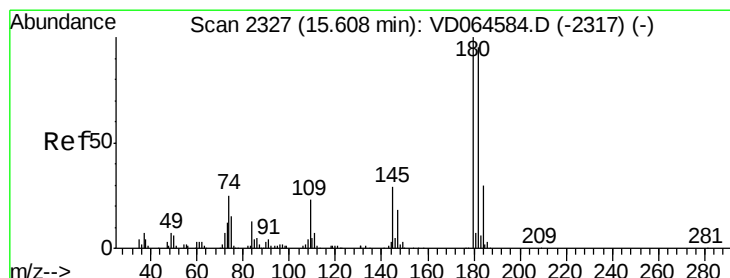
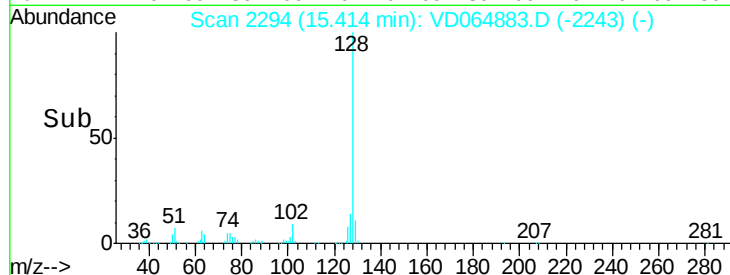
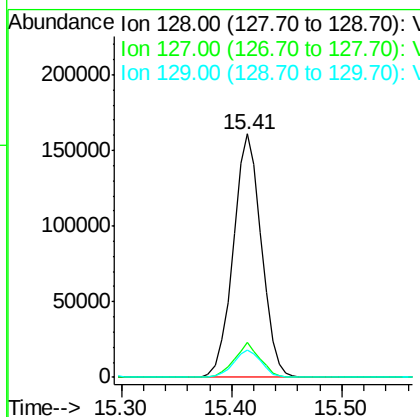
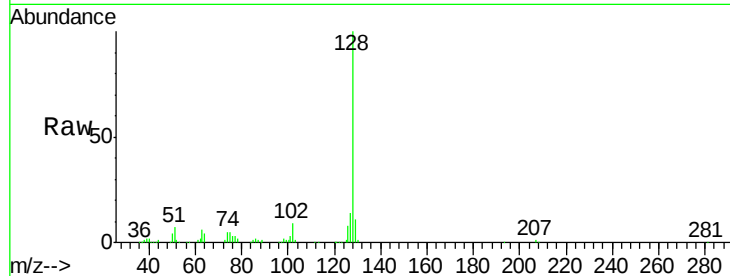
#95
Naphthalene
Concen: 40.254 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Instrument :
MSVOA_D
ClientSampleId :
EP-3MS

Tot Ion	Ratio	Resp	Lower	Upper
128	100	286768		
127	13.2		10.3	15.5
129	10.9		8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/21/2020 9:23:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 44.901 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064883.D
Acq: 20 Jan 2020 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	172617		
182	94.2		47.9	143.7
145	29.8		14.9	44.7

