

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012020\
 Data File : VD064884.D
 Acq On : 20 Jan 2020 12:14
 Operator : VA/SY
 Sample : L1176-05MSD
 Misc : 5.07G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Manual Integrations
 APPROVED

MMDadoda
 1/21/2020 9:23:28 AM

Quant Time: Jan 21 04:39:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	354850	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	509758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	440155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212399	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151051	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
35) Dibromofluoromethane	7.92	113	165848	53.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.06%	
50) Toluene-d8	10.34	98	637976	53.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.52%	
62) 4-Bromofluorobenzene	12.64	95	194137	51.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114550	41.538	ug/l	100
3) Chloromethane	2.21	50	179620	46.572	ug/l	100
4) Vinyl Chloride	2.36	62	215170	45.756	ug/l	99
5) Bromomethane	2.78	94	144826	42.357	ug/l	99
6) Chloroethane	2.93	64	149354	47.400	ug/l	96
7) Trichlorofluoromethane	3.27	101	353813	44.685	ug/l	96
8) Diethyl Ether	3.71	74	69885	44.447	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	162571	49.577	ug/l	99
10) Methyl Iodide	4.30	142	183670	52.145	ug/l	100
11) Tert butyl alcohol	5.25	59	50168	279.759	ug/l #	89
12) 1,1-Dichloroethene	4.06	96	154267	49.414	ug/l	98
13) Acrolein	3.93	56	19949	79.822	ug/l	99
14) Allyl chloride	4.71	41	258517	53.111	ug/l	99
15) Acrylonitrile	5.44	53	132865	202.869	ug/l	98
16) Acetone	4.16	43	163915	248.665	ug/l	90
17) Carbon Disulfide	4.40	76	440414	43.628	ug/l	98
18) Methyl Acetate	4.73	43	85859	48.739	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	320299	46.191	ug/l	96
20) Methylene Chloride	4.97	84	177786	56.158	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	179110	50.377	ug/l	94
22) Diisopropyl ether	6.37	45	518286	53.384	ug/l	99
23) Vinyl Acetate	6.31	43	1163050	211.183	ug/l	98
24) 1,1-Dichloroethane	6.27	63	320756	55.034	ug/l	97
25) 2-Butanone	7.23	43	188109	218.707	ug/l	100
26) 2,2-Dichloropropane	7.21	77	300548	55.462	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	200350	52.214	ug/l	95
28) Bromochloromethane	7.55	49	113993	50.313	ug/l	98
29) Tetrahydrofuran	7.57	42	104400	195.187	ug/l	100
30) Chloroform	7.71	83	334339	54.676	ug/l	97
31) Cyclohexane	7.98	56	269702	46.228	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	314717	54.795	ug/l	100
36) 1,1-Dichloropropene	8.11	75	254695	51.911	ug/l	99
37) Ethyl Acetate	7.30	43	76039	39.450	ug/l	98
38) Carbon Tetrachloride	8.10	117	286335	54.731	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	282503	47.539	ug/l	94
40) Benzene	8.36	78	715232	53.400	ug/l	100
41) Methacrylonitrile	7.53	41	50351	45.023	ug/l	98
42) 1,2-Dichloroethane	8.43	62	191567	49.494	ug/l	99
43) Isopropyl Acetate	8.46	43	159311	41.525	ug/l	98
44) Trichloroethene	9.11	130	203767	51.787	ug/l	99
45) 1,2-Dichloropropane	9.39	63	172057	53.802	ug/l	99
46) Dibromomethane	9.48	93	82855	46.470	ug/l	99
47) Bromodichloromethane	9.67	83	247128	52.088	ug/l	96
48) Methyl methacrylate	9.46	41	77728	43.028	ug/l	94
49) 1,4-Dioxane	9.47	88	15630	760.250	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	381674	201.273	ug/l	100
52) Toluene	10.41	92	468867	53.356	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	211089	47.721	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	270648	51.891	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	111638	46.460	ug/l	96
56) Ethyl methacrylate	10.67	69	125929	41.964	ug/l	94
57) 1,3-Dichloropropane	10.95	76	192805	46.602	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	216589	189.440	ug/l	100
59) 2-Hexanone	10.99	43	276098	214.519	ug/l	99
60) Dibromochloromethane	11.15	129	156808	47.191	ug/l	100
61) 1,2-Dibromoethane	11.25	107	103859	43.822	ug/l	99
64) Tetrachloroethene	10.88	164	173390	51.347	ug/l	97
65) Chlorobenzene	11.67	112	480758	52.626	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	183801	53.370	ug/l	100
67) Ethyl Benzene	11.75	91	892649	53.835	ug/l	98
68) m/p-Xylenes	11.86	106	691791	108.092	ug/l	96
69) o-Xylene	12.18	106	312021	53.975	ug/l	100
70) Styrene	12.20	104	538914	53.111	ug/l	99
71) Bromoform	12.37	173	84216	42.881	ug/l #	99
73) Isopropylbenzene	12.48	105	863595	56.896	ug/l	100
74) N-amyl acetate	12.30	43	135670	41.814	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	109195	45.796	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	72527m	43.242	ug/l	
77) Bromobenzene	12.77	156	194486	52.147	ug/l	98
78) n-propylbenzene	12.83	91	1001430	56.554	ug/l	100
79) 2-Chlorotoluene	12.91	91	547712	56.306	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	699509	56.102	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	35482	44.245	ug/l	98
82) 4-Chlorotoluene	13.01	91	583560	56.372	ug/l	99
83) tert-Butylbenzene	13.23	119	600023	55.426	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	702204	56.549	ug/l	98
85) sec-Butylbenzene	13.41	105	830693	55.971	ug/l	99
86) p-Isopropyltoluene	13.53	119	796211	56.106	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	384170	54.034	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	370489	53.045	ug/l	99
89) n-Butylbenzene	13.85	91	710041	55.560	ug/l	99
90) Hexachloroethane	14.12	117	150496	55.517	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	316741	52.245	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16050	41.522	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	219885	49.258	ug/l	99
94) Hexachlorobutadiene	15.28	225	144908	51.586	ug/l	100
95) Naphthalene	15.41	128	302944	42.898	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	179206	47.025	ug/l	100

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

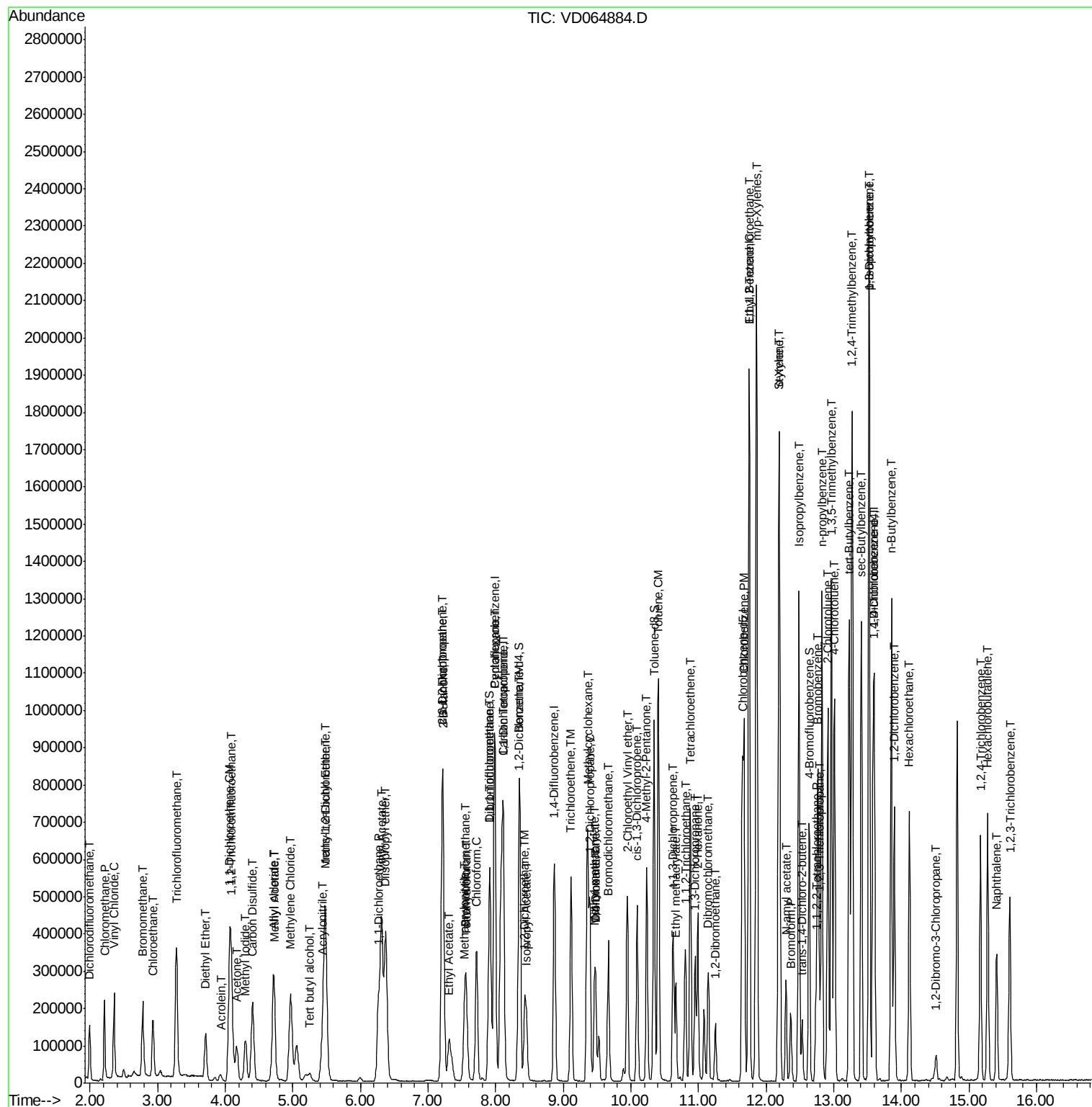
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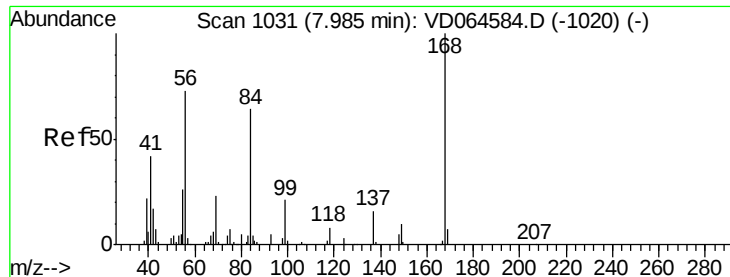
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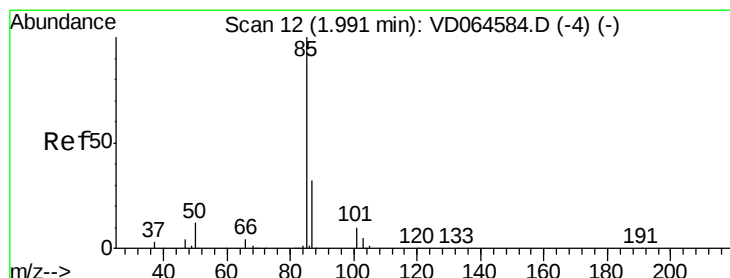
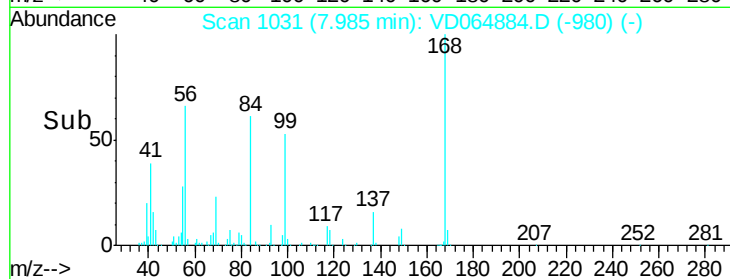
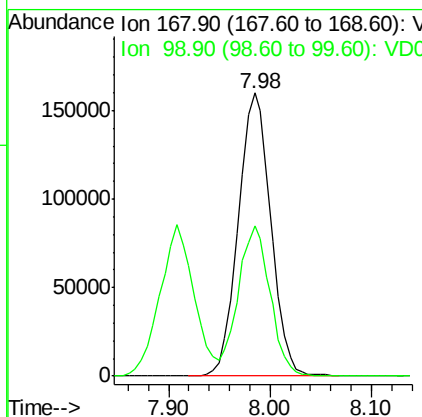
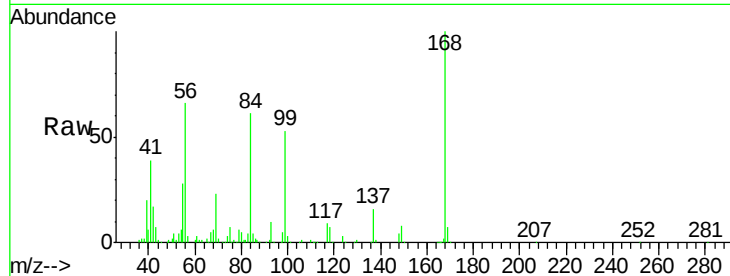
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
168	100		
99	52.8	41.8	62.6

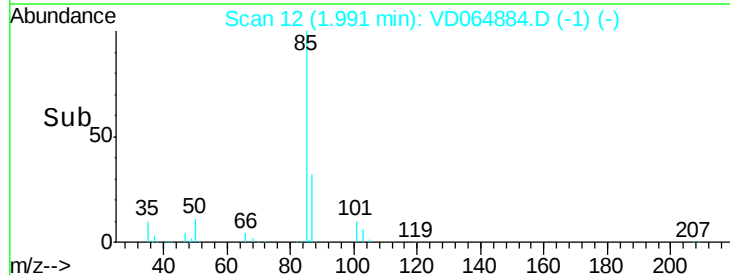
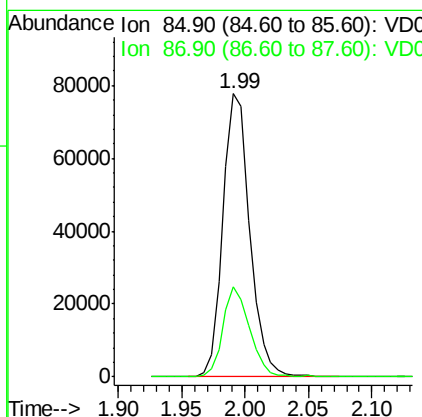
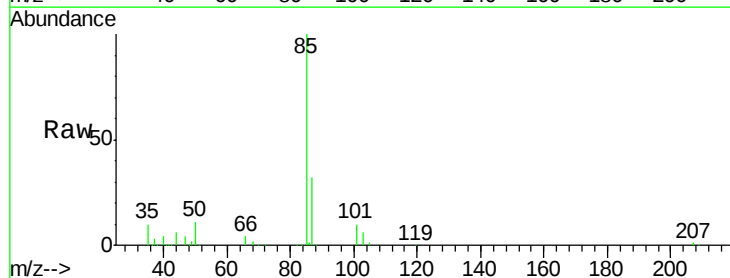
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#2
Dichlorodifluoromethane
Concen: 41.538 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.0	16.1	48.2





#3

Chloromethane

Concen: 46.572 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 50 Resp: 179620

Ion Ratio Lower Upper

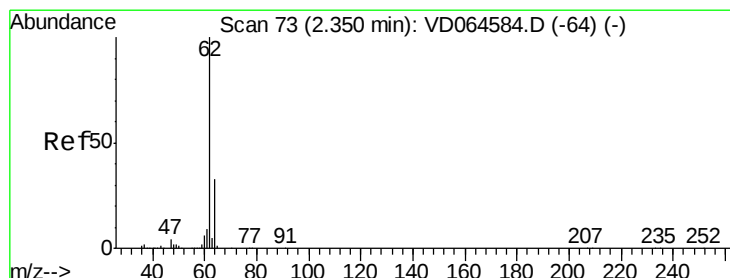
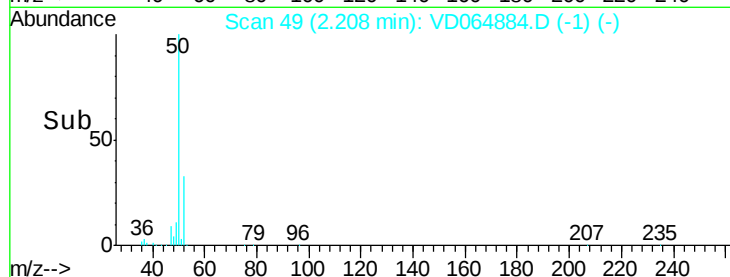
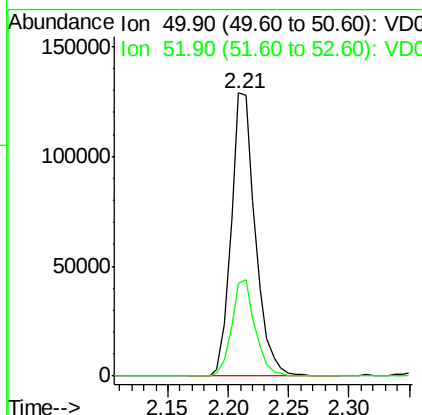
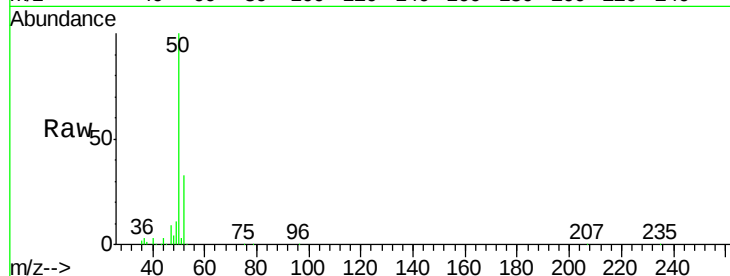
50 100

52 32.9 26.5 39.7

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#4

Vinyl Chloride

Concen: 45.756 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064884.D

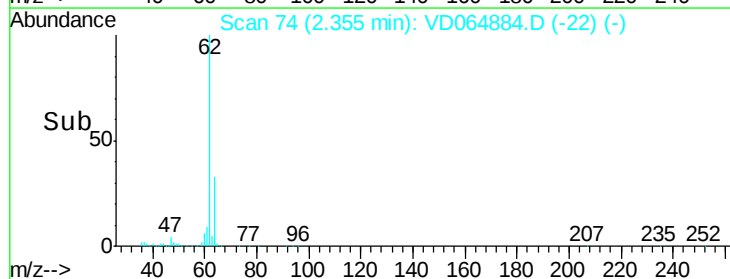
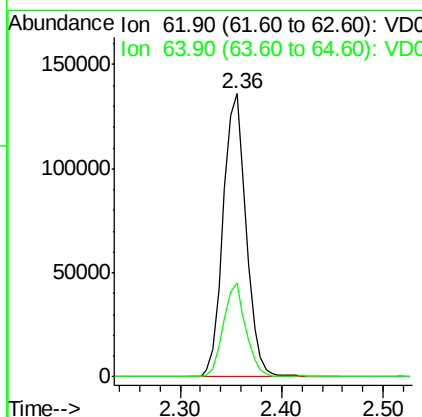
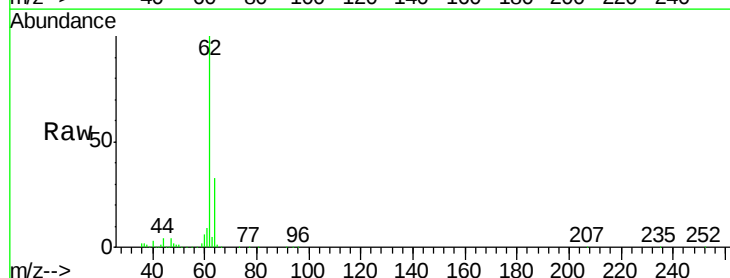
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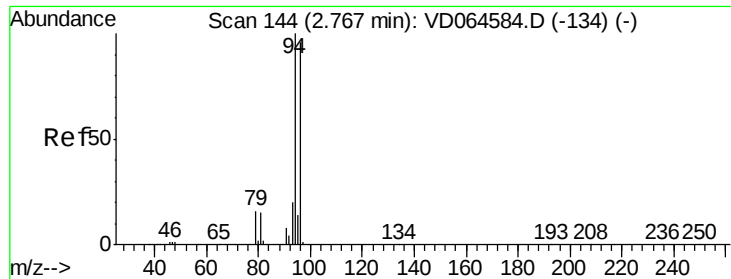
Tgt Ion: 62 Resp: 215170

Ion Ratio Lower Upper

62 100

64 33.0 26.6 40.0





#5

Bromomethane

Concen: 42.357 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 94 Resp: 144826

Ion Ratio Lower Upper

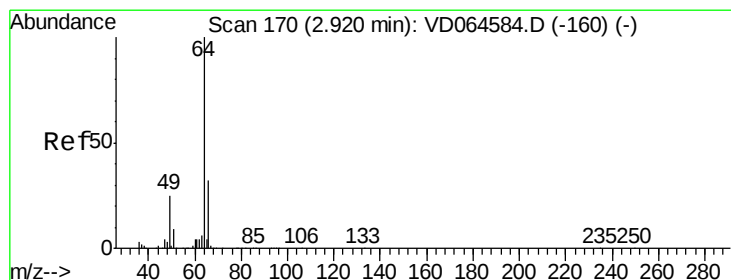
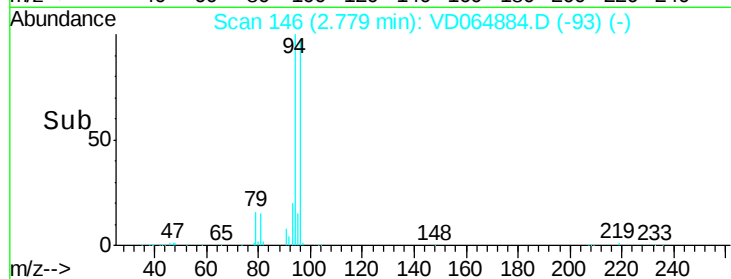
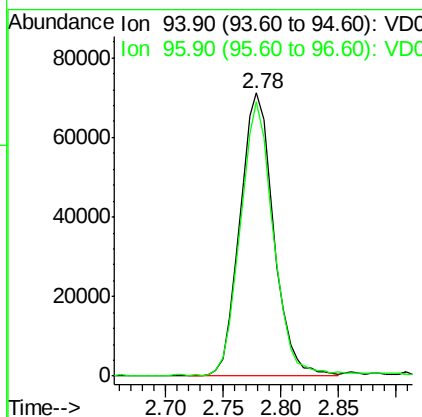
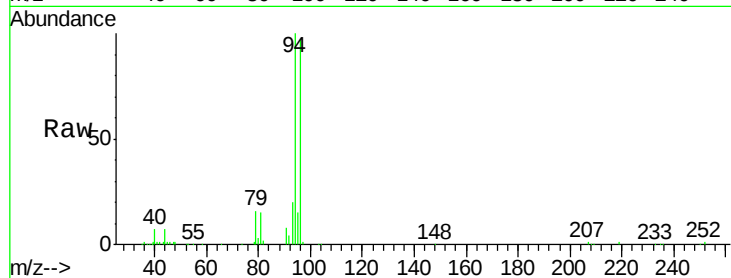
94 100

96 97.1 77.2 115.8

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#6

Chloroethane

Concen: 47.400 ug/l

RT: 2.93 min Scan# 172

Delta R.T. 0.01 min

Lab File: VD064884.D

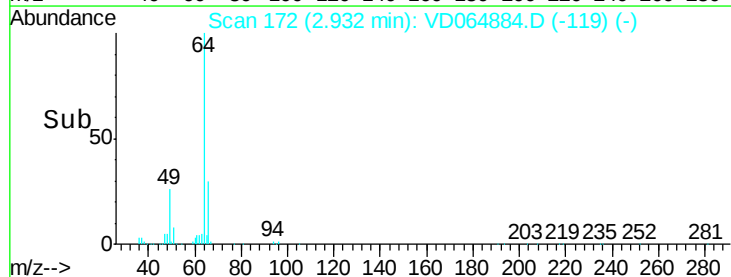
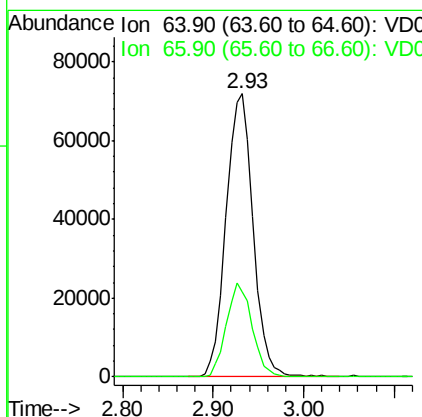
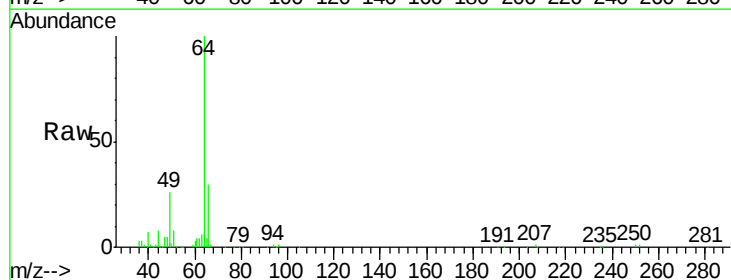
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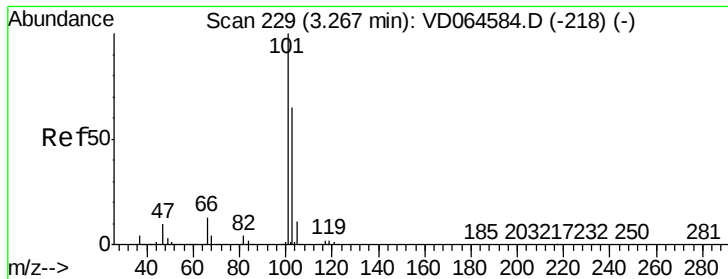
Tgt Ion: 64 Resp: 149354

Ion Ratio Lower Upper

64 100

66 30.2 25.9 38.9





#7

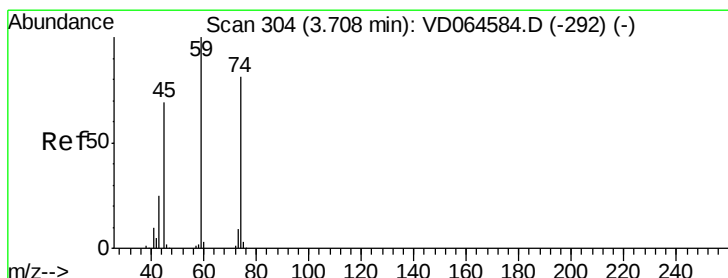
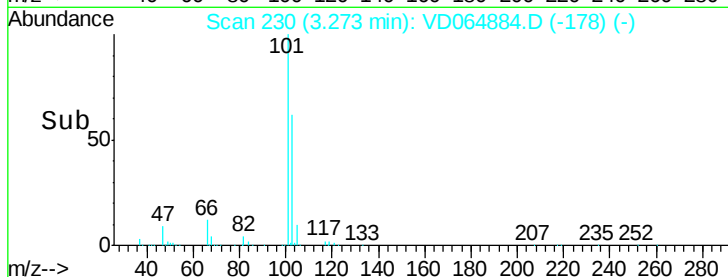
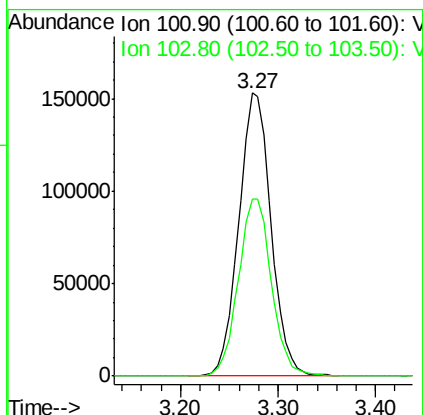
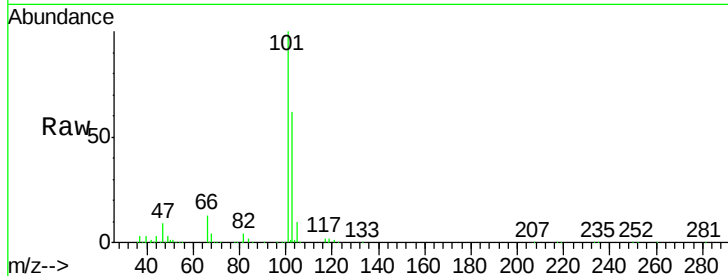
Trichlorofluoromethane
 Concen: 44.685 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	353813		
103	62.4	52.2	78.4	

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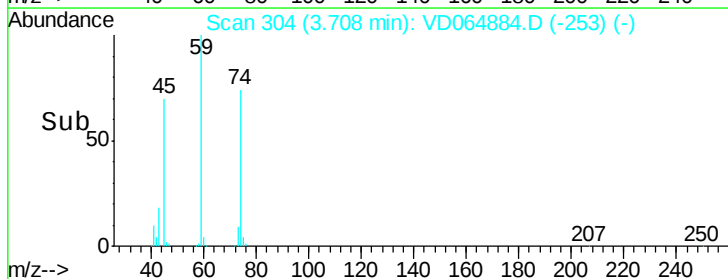
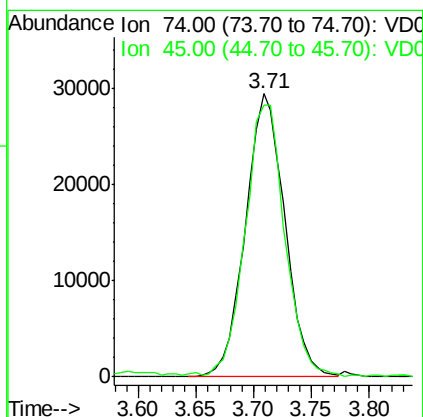
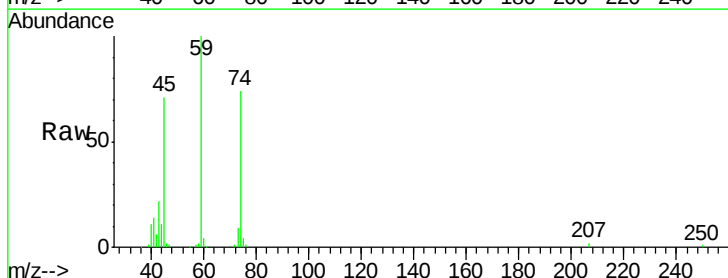
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#8

Diethyl Ether
 Concen: 44.447 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69885		
45	98.1	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.577 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

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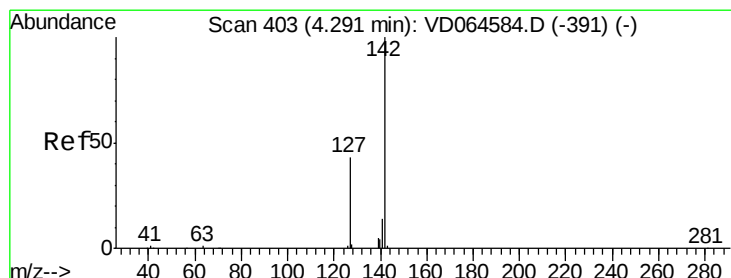
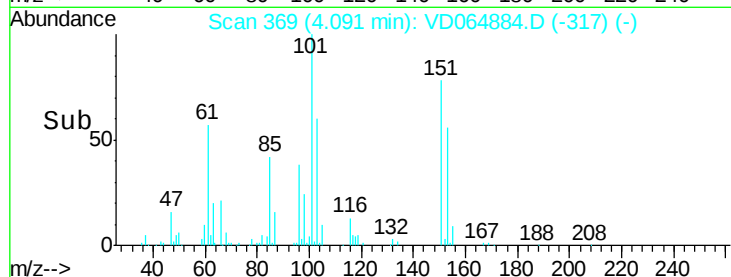
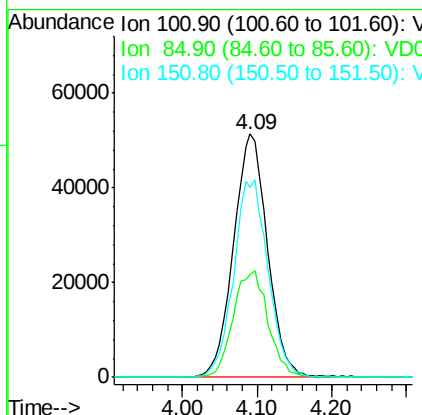
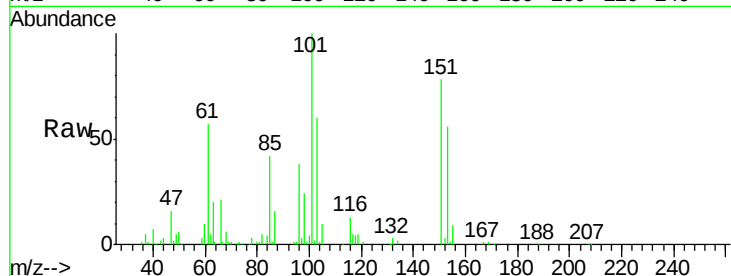
ClientSampleId :

EP-3MSD

Tot Ion:	101	Resp:	162571
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.2	52.8
151	82.1	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 52.145 ug/l

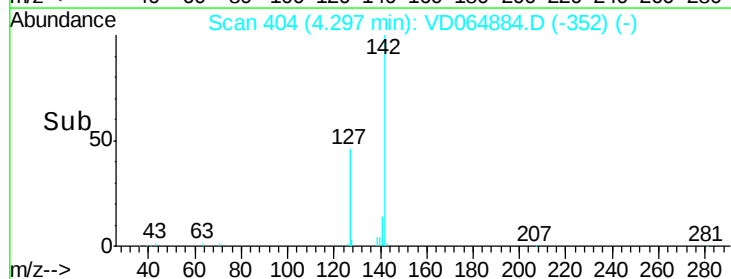
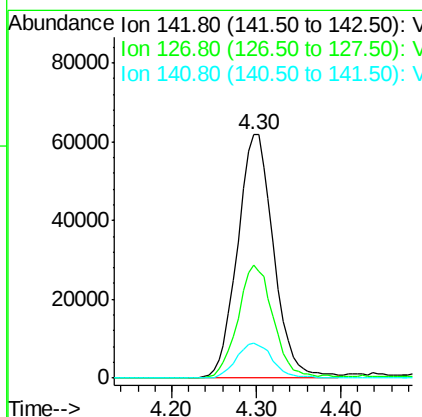
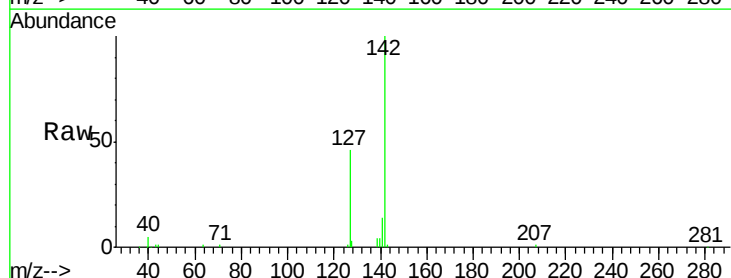
RT: 4.30 min Scan# 404

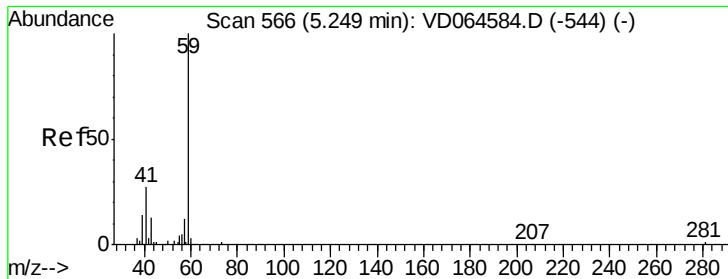
Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion:	142	Resp:	183670
Ion Ratio	Lower	Upper	
142	100		
127	45.1	36.2	54.4
141	14.4	11.8	17.8





#11

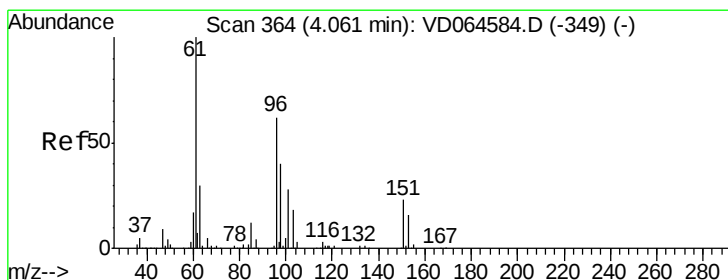
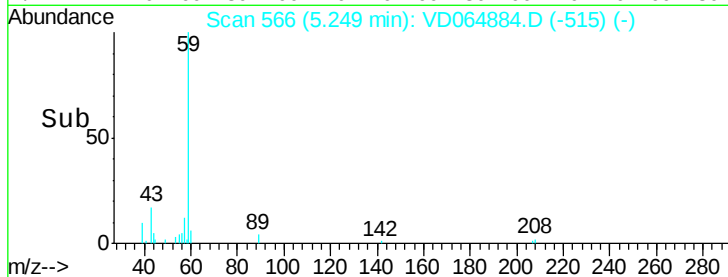
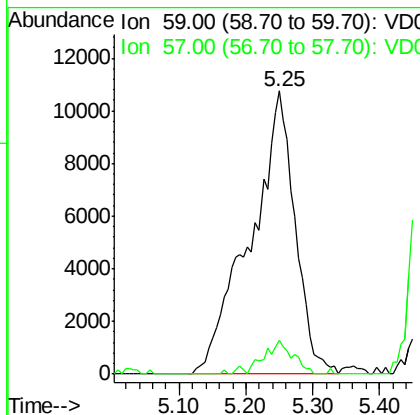
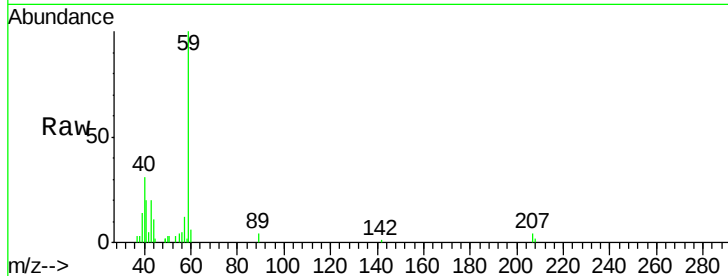
Tert butyl alcohol
Concen: 279.759 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.5	9.3	13.9#

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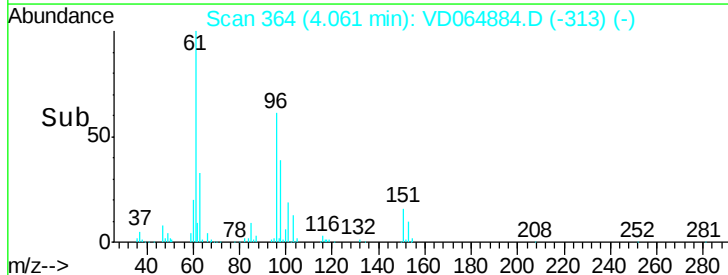
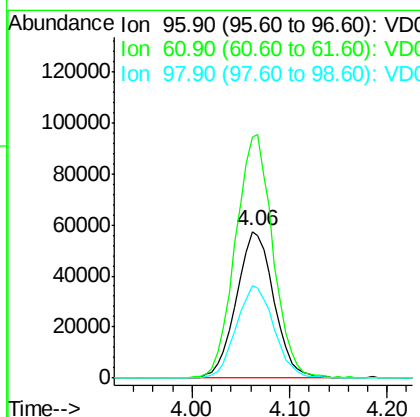
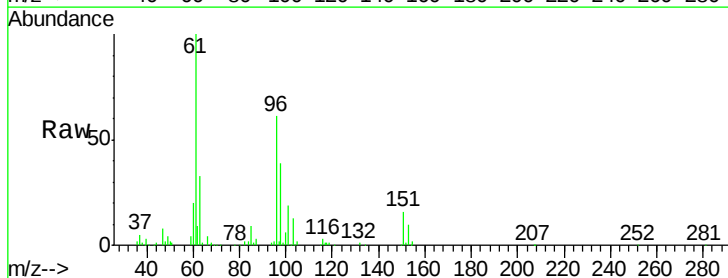
MMDadoda
1/21/2020 9:23:28 AM

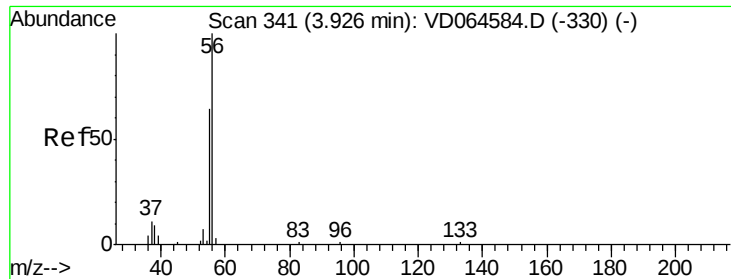


#12

1,1-Dichloroethene
Concen: 49.414 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.2	129.4	194.0
98	63.5	51.4	77.0





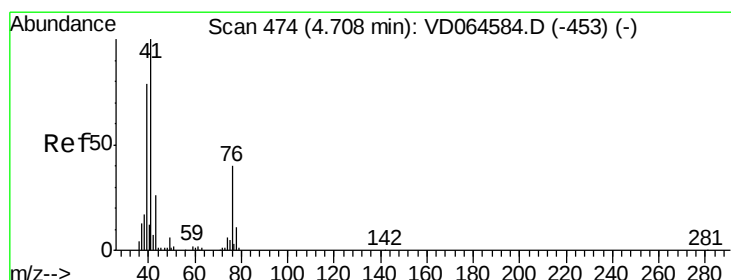
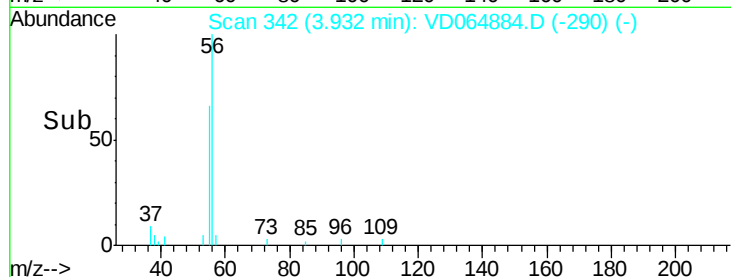
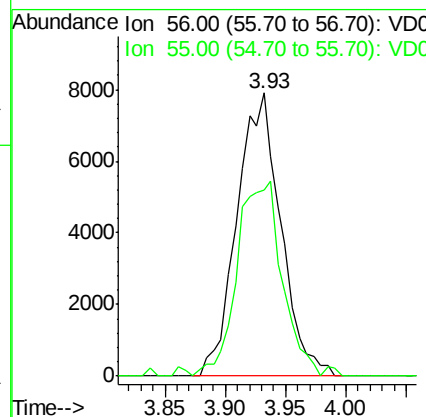
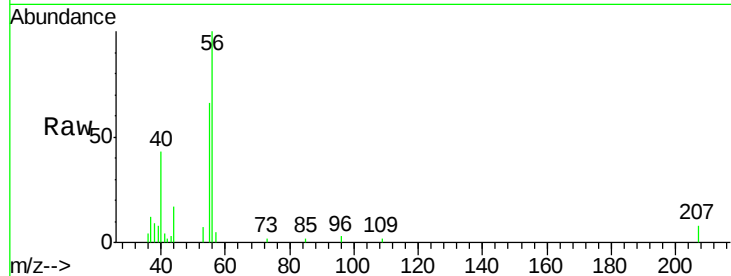
#13
Acrolein
Concen: 79.822 ug/l
RT: 3.93 min Scan# 342
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	56	55	Ratio	100	70.4	Resp	19949	Lower	56.7	Upper	85.1
Ion											

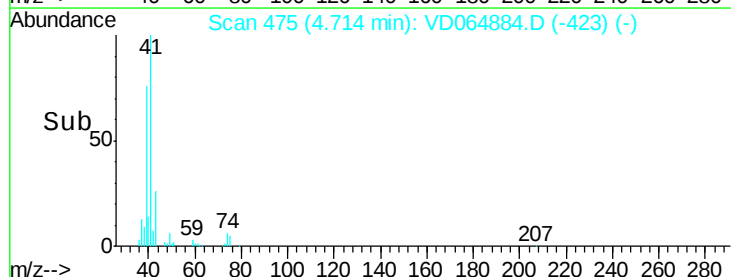
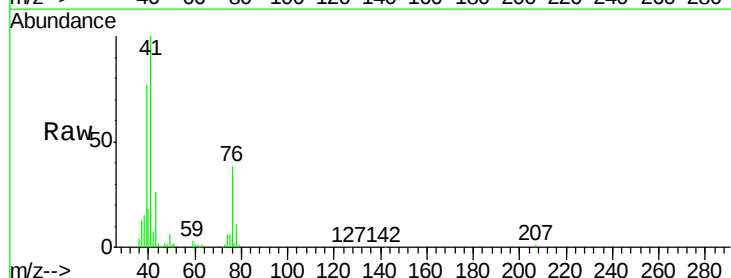
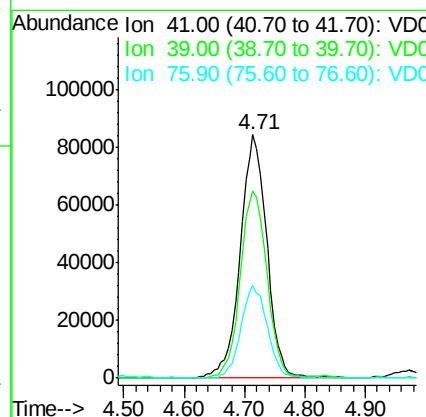
Manual Integrations
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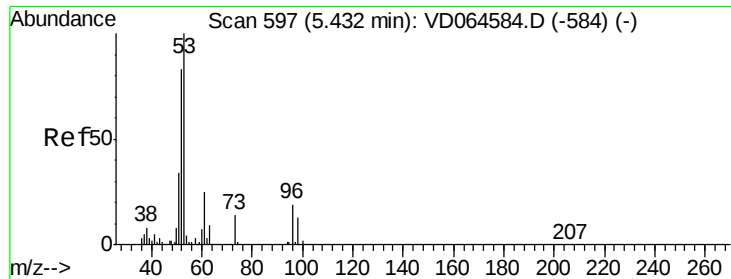
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#14
Allyl chloride
Concen: 53.111 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	41	39	76	Ratio	100	77.1	37.5	Resp	258517	Lower	62.3	Upper	93.5	44.5
Ion														





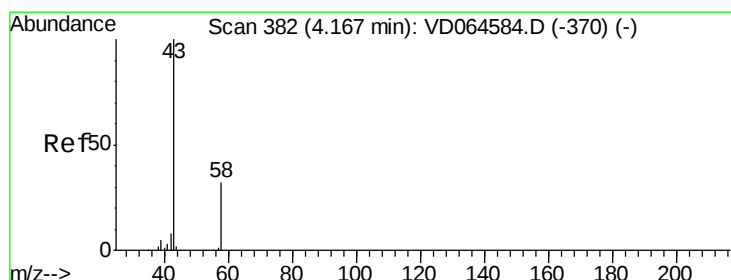
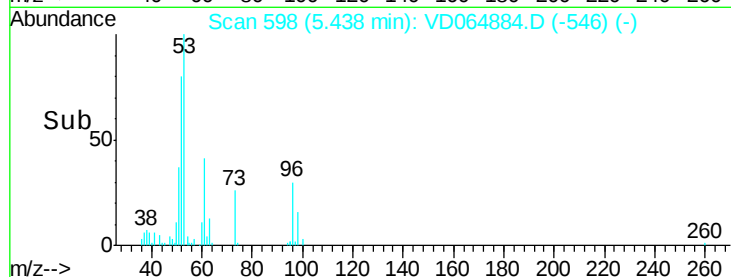
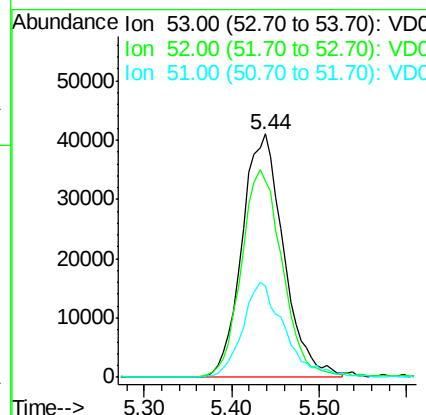
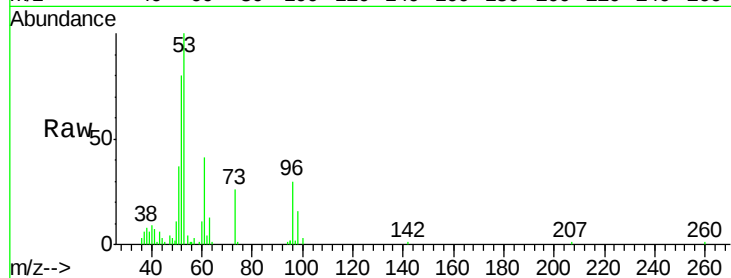
#15
 Acrylonitrile
 Concen: 202.869 ug/l
 RT: 5.44 min Scan# 598
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.3	66.2	99.2
51	39.2	30.1	45.1

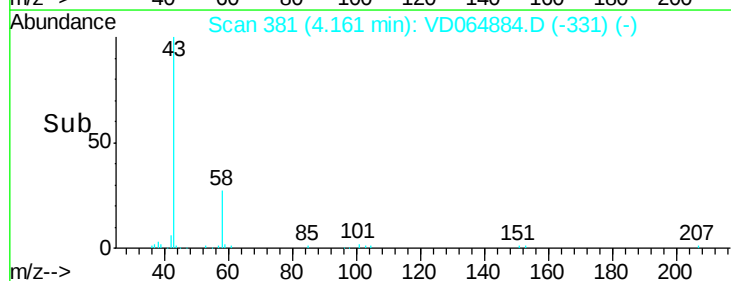
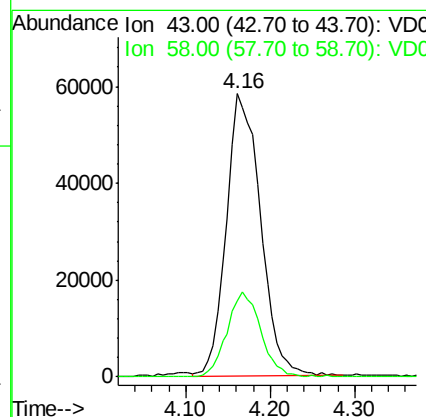
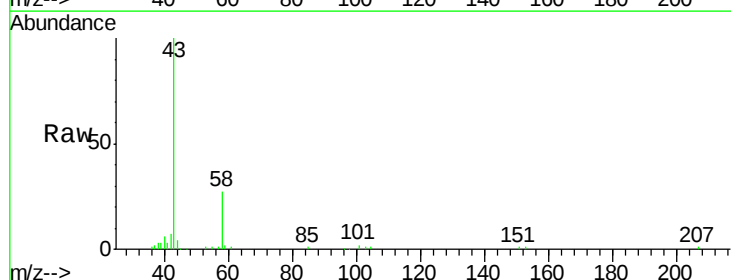
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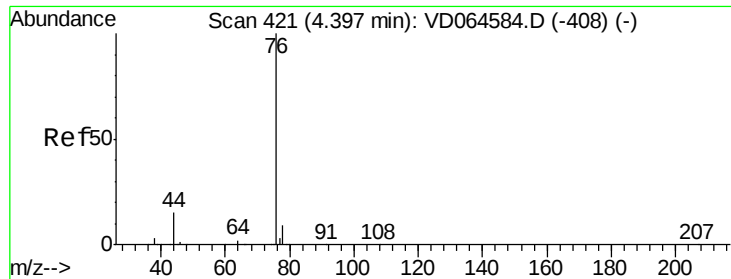
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#16
 Acetone
 Concen: 248.665 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. -0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.9	25.8	38.6





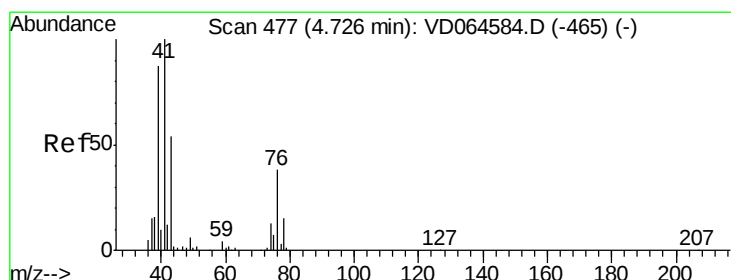
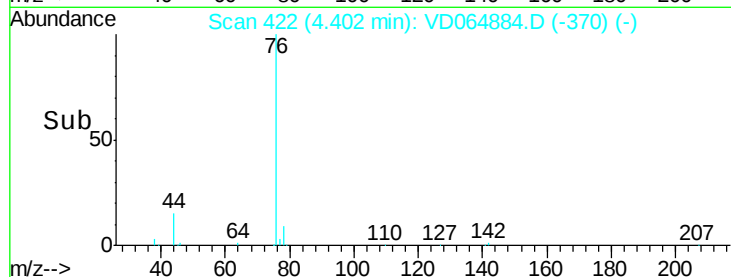
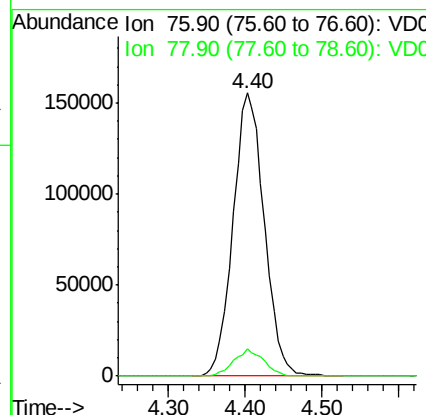
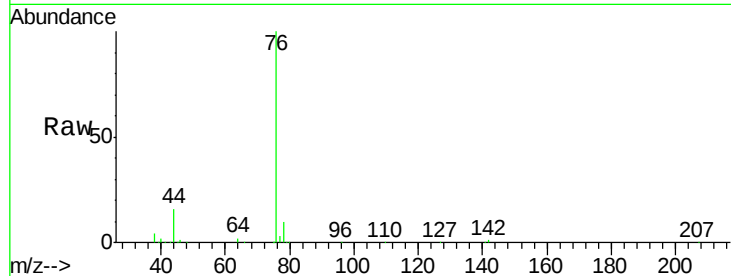
#17
Carbon Disulfide
Concen: 43.628 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

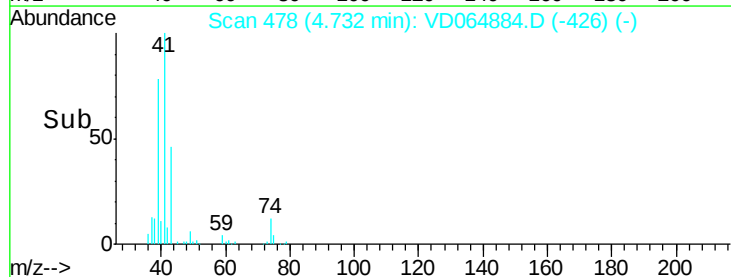
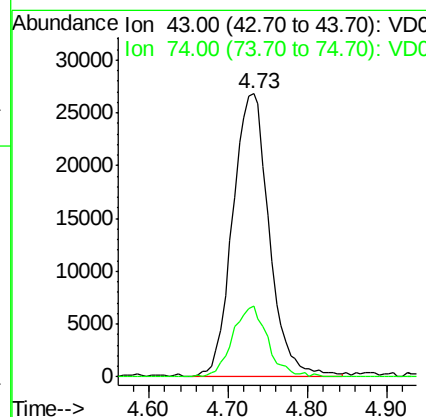
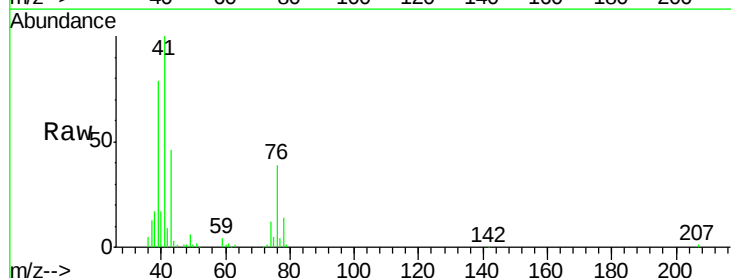
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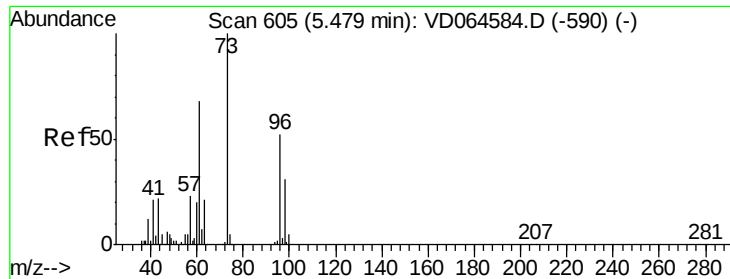
MMDadoda
1/21/2020 9:23:28 AM



#18
Methyl Acetate
Concen: 48.739 ug/l
RT: 4.73 min Scan# 478
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





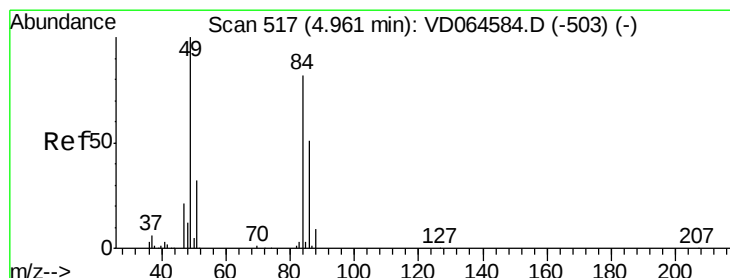
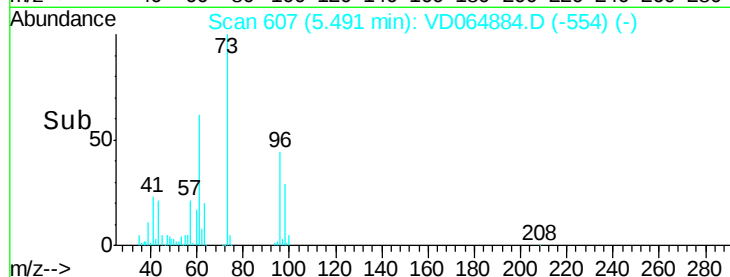
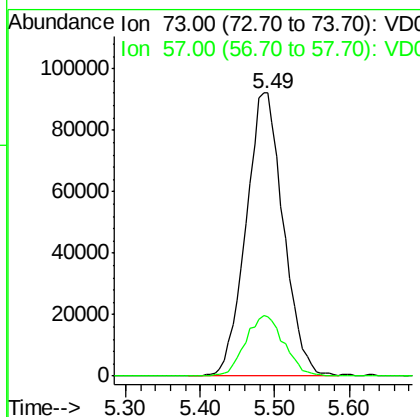
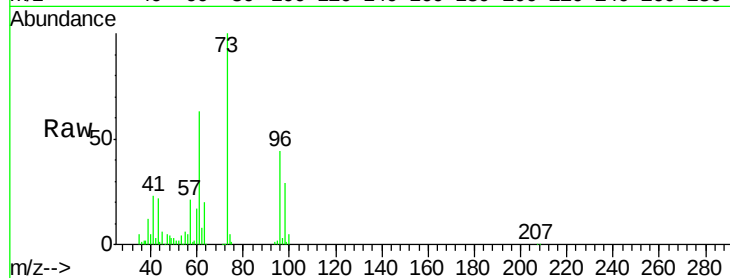
#19
Methvl tert-butvl Ether
Concen: 46.191 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion: 73 Resp: 320299
Ion Ratio Lower Upper
73 100
57 21.0 18.6 27.8

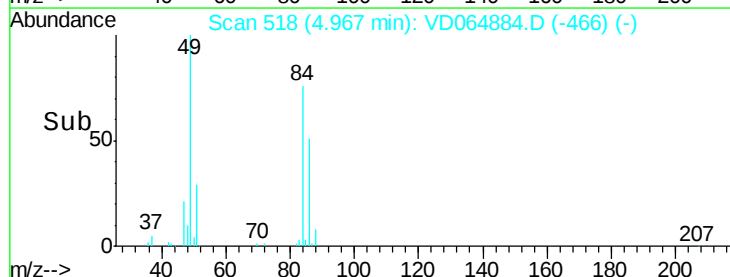
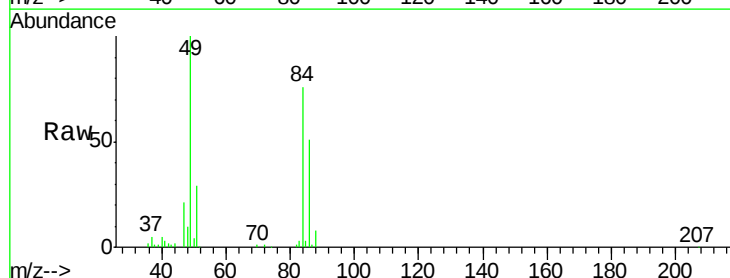
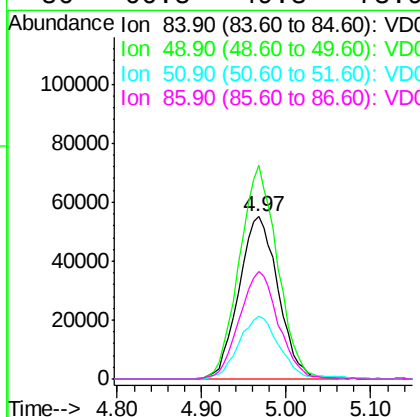
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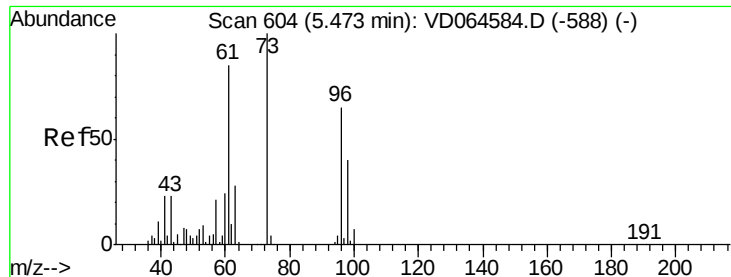
MMDadoda
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#20
Methylene Chloride
Concen: 56.158 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 84 Resp: 177786
Ion Ratio Lower Upper
84 100
49 131.8 97.2 145.8
51 38.6 31.4 47.0
86 66.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 50.377 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

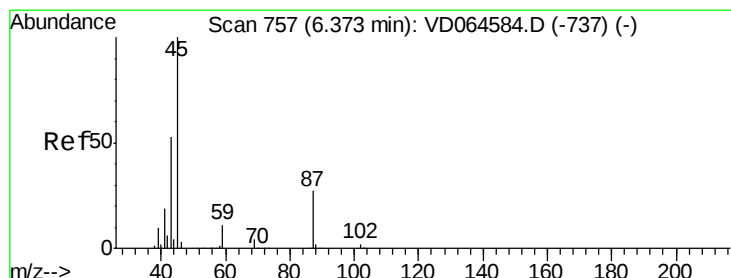
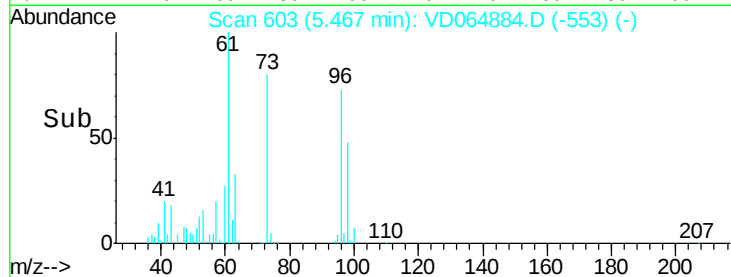
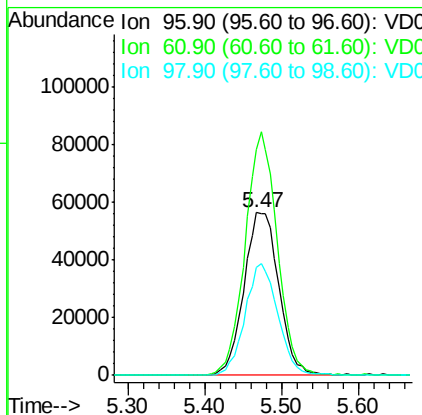
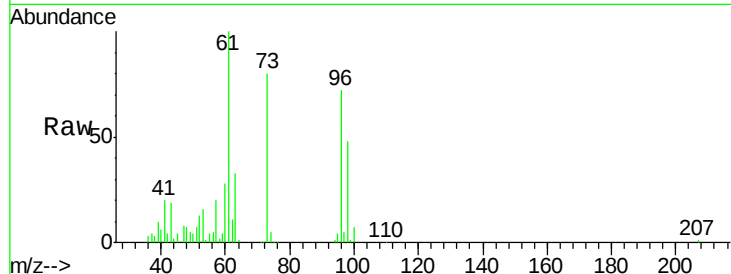
ClientSampled :

EP-3MSD

Tot Ion:	96	Resp:	179110
Ion	Ratio	Lower	Upper
96	100		
61	138.4	104.7	157.1
98	66.2	49.4	74.2

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#22

Diisopropyl ether

Concen: 53.384 ug/l

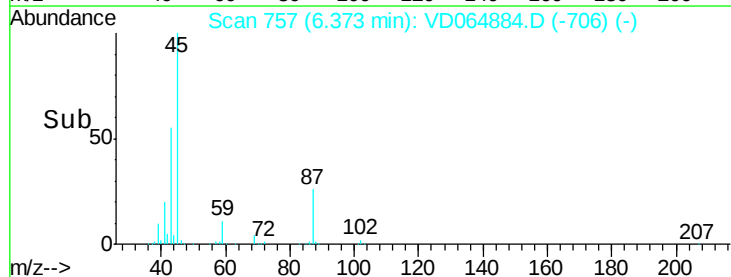
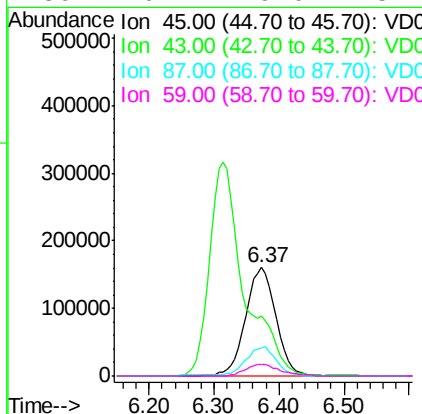
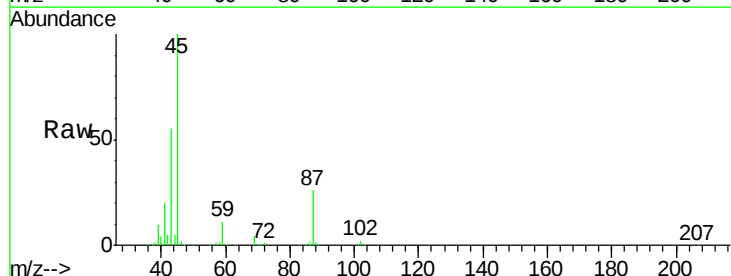
RT: 6.37 min Scan# 757

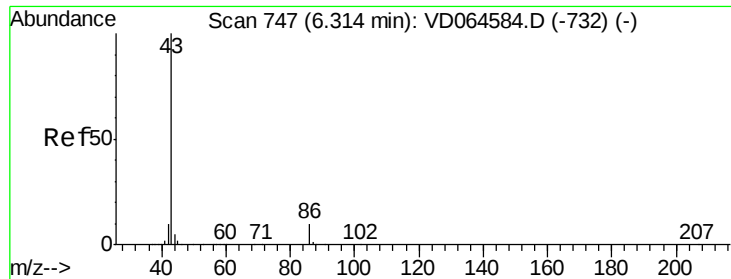
Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion:	45	Resp:	518286
Ion	Ratio	Lower	Upper
45	100		
43	54.3	43.2	64.8
87	25.9	21.9	32.9
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 211.183 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampled :

EP-3MSD

Tot Ion: 43 Resp: 1163050

Ion Ratio Lower Upper

43 100

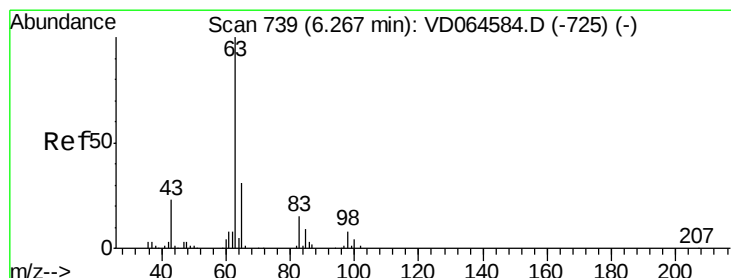
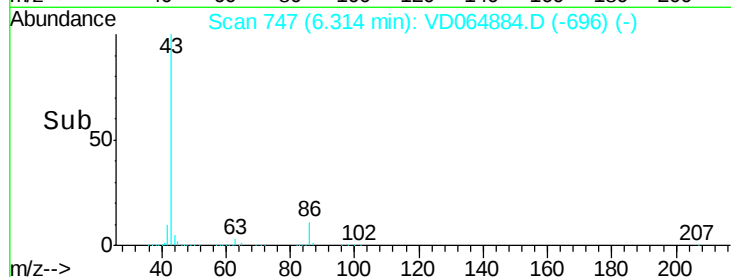
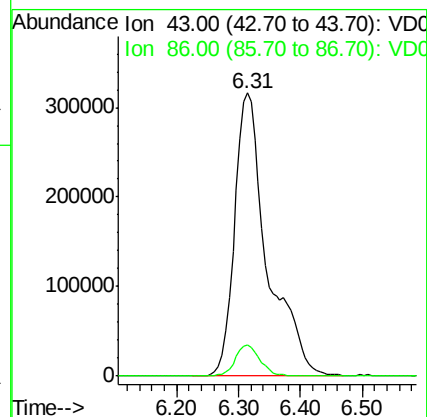
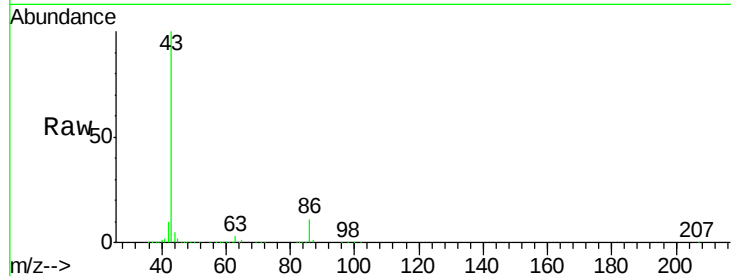
86 11.1 8.3 12.5

Manual Integrations

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1/21/2020 9:23:28 AM



#24

1,1-Dichloroethane

Concen: 55.034 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

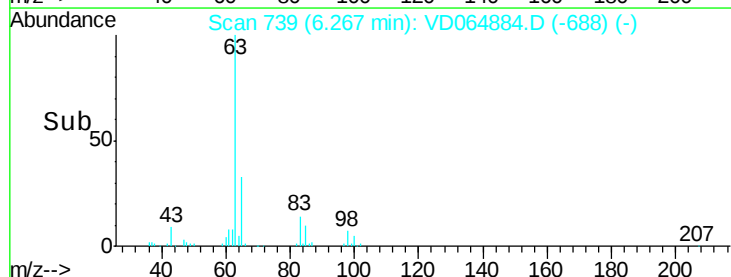
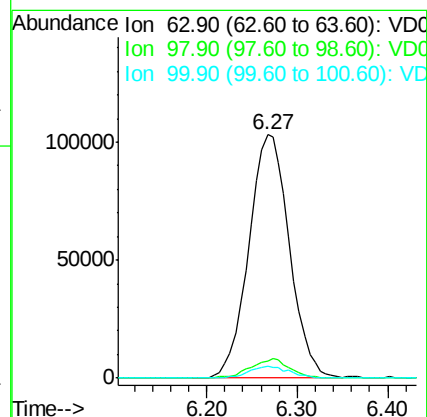
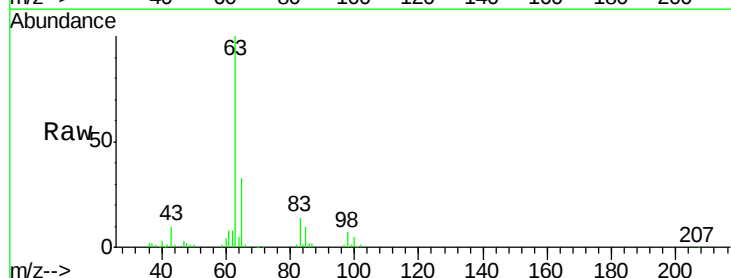
Tgt Ion: 63 Resp: 320756

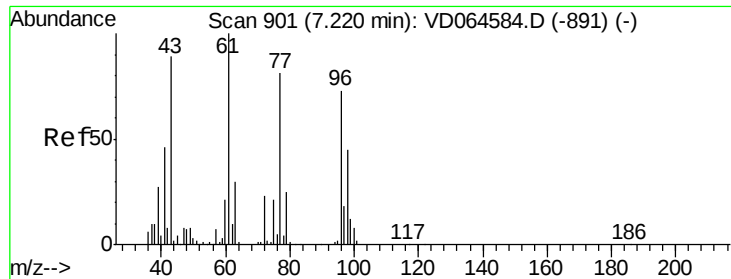
Ion Ratio Lower Upper

63 100

98 7.2 4.1 12.3

100 5.0 2.2 6.6





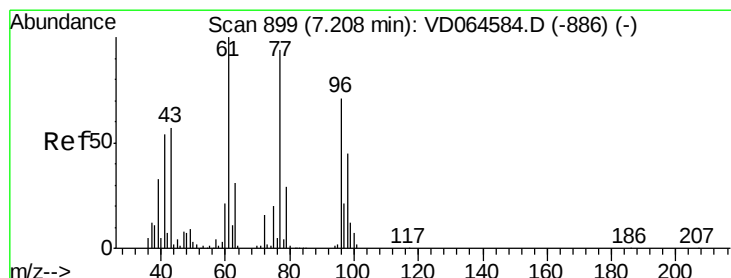
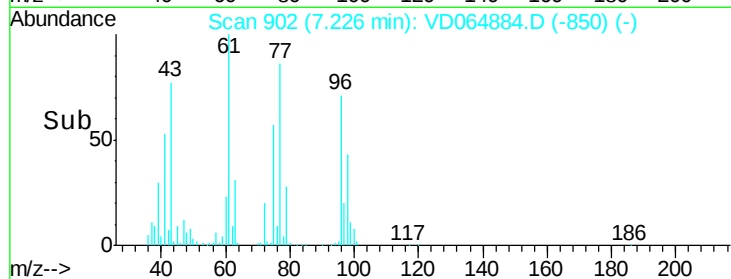
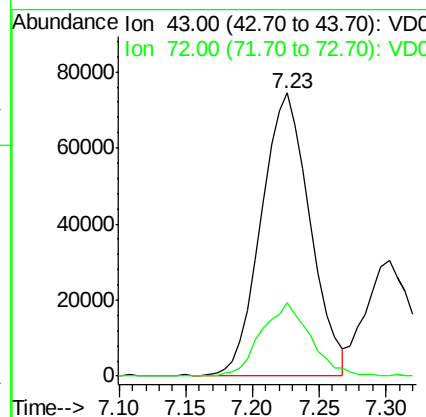
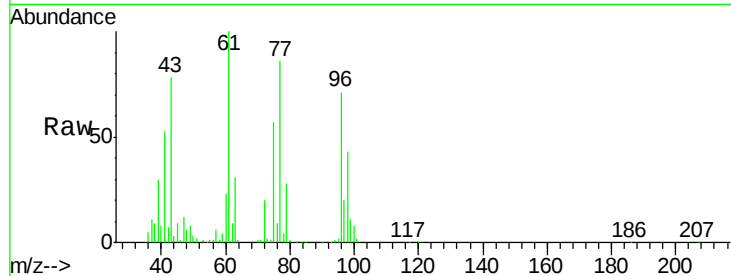
#25
2-Butanone
Concen: 218.707 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion: 43 Resp: 188109
Ion Ratio Lower Upper
43 100
72 25.8 20.7 31.1

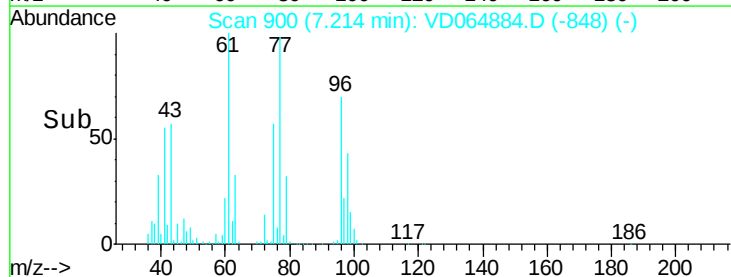
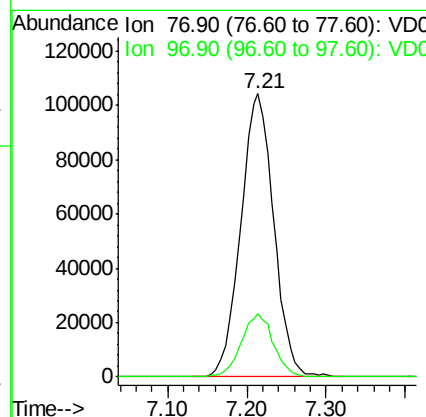
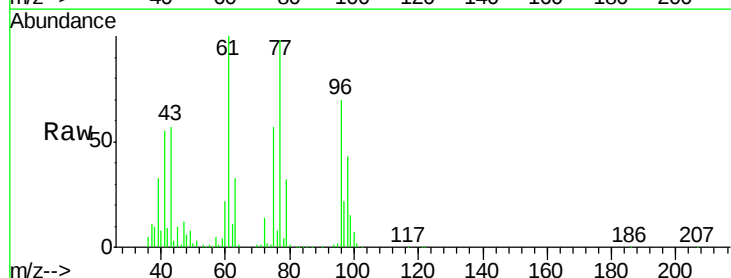
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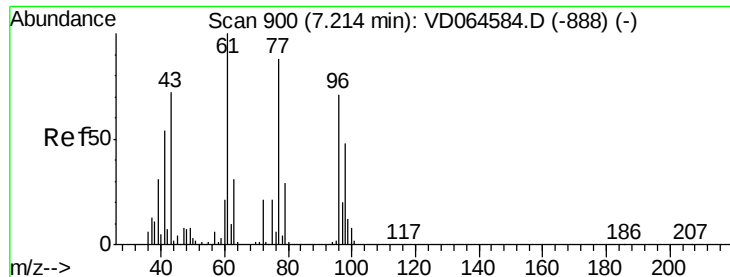
MMDadoda
1/21/2020 9:23:28 AM



#26
2,2-Dichloropropane
Concen: 55.462 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion: 77 Resp: 300548
Ion Ratio Lower Upper
77 100
97 21.7 11.2 33.6





#27

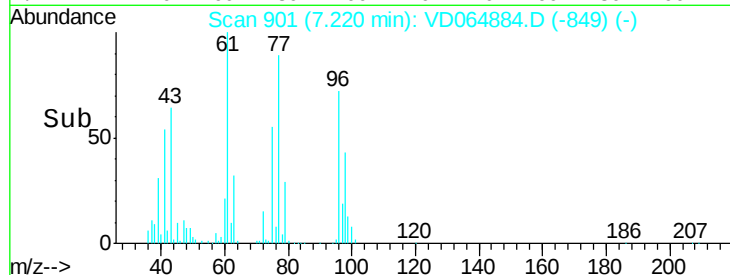
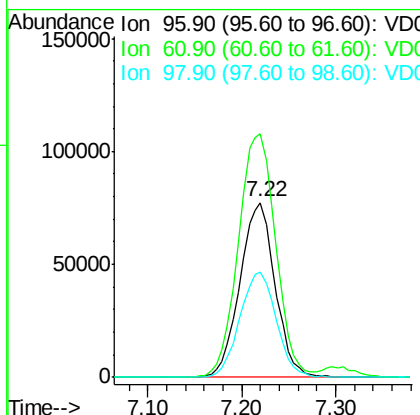
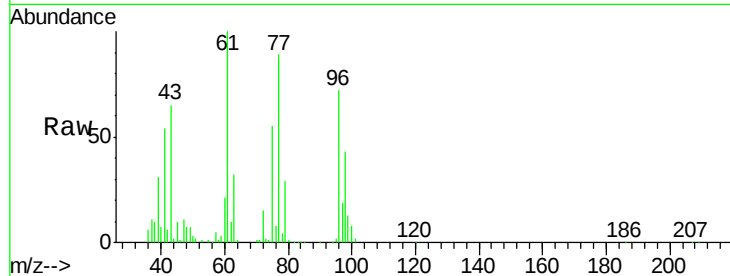
cis-1,2-Dichloroethene
 Concen: 52.214 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
96	100	200350		
61	147.7	0.0	282.6	
98	62.7	0.0	130.8	

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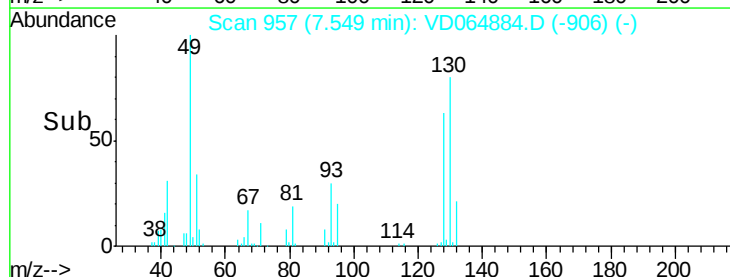
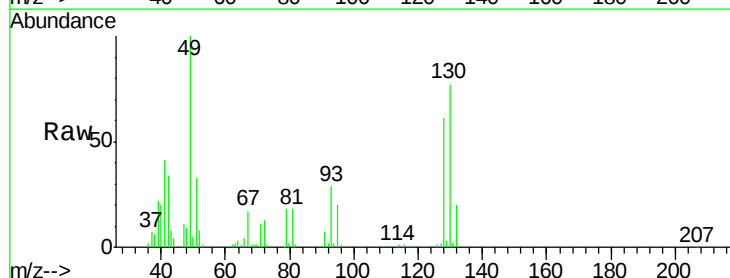
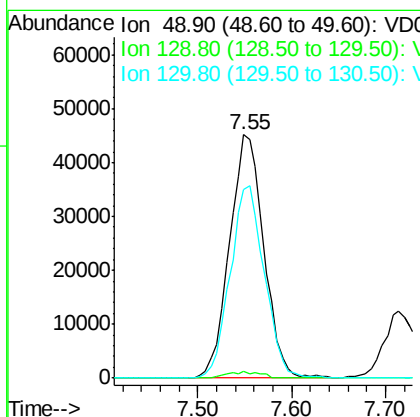
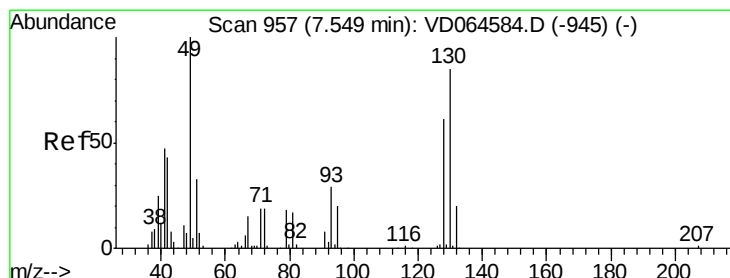
MMDadoda
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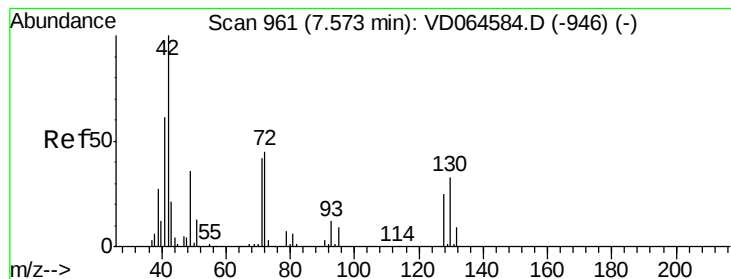


#28

Bromochloromethane
 Concen: 50.313 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	113993		
129	1.0	0.0	4.8	
130	79.2	65.0	97.6	





#29

Tetrahydrofuran

Concen: 195.187 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

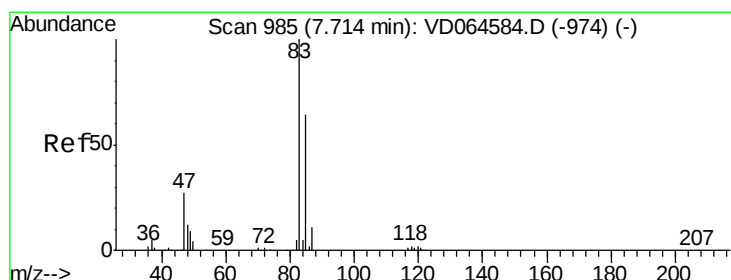
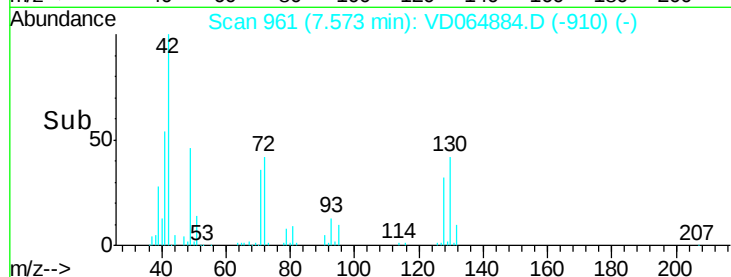
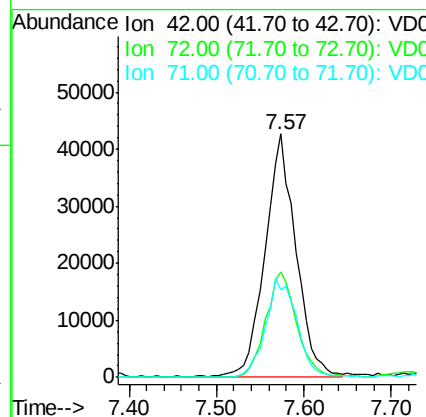
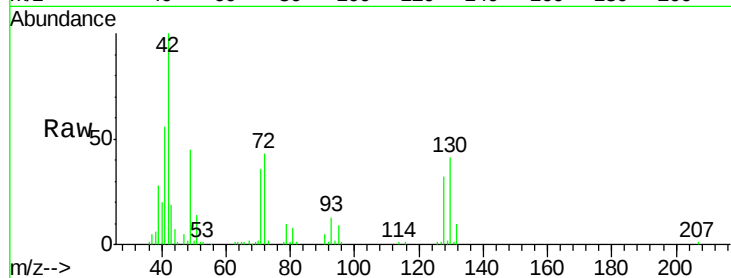
ClientSampleId :

EP-3MSD

Tot Ion:	42	Resp:	104400
Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.0	52.4
71	41.2	32.9	49.3

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#30

Chloroform

Concen: 54.676 ug/l

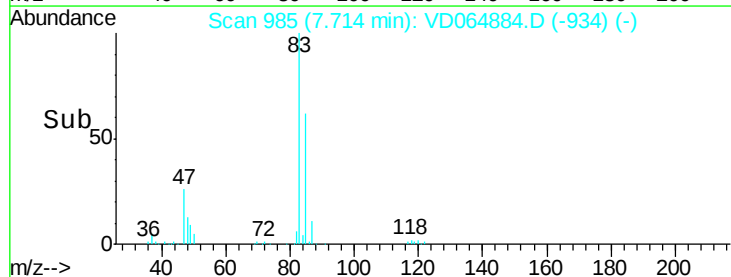
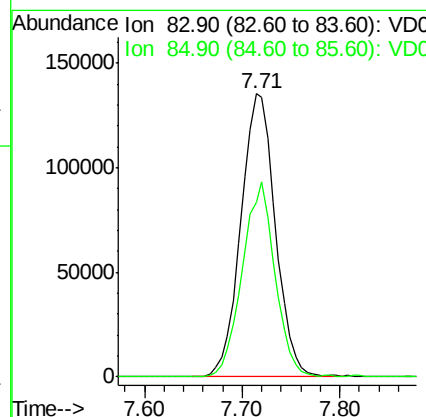
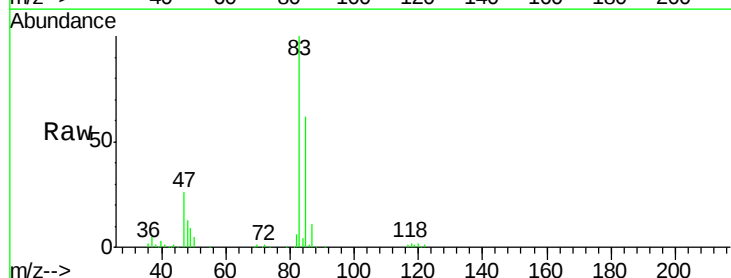
RT: 7.71 min Scan# 985

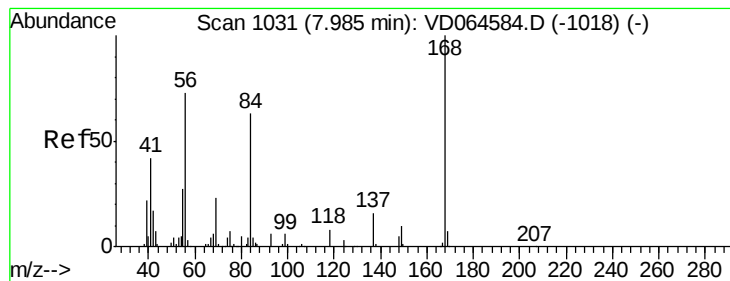
Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion:	83	Resp:	334339
Ion	Ratio	Lower	Upper
83	100		
85	61.7	51.1	76.7





#31

Cyclohexane

Concen: 46.228 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 56 Resp: 269702

Ion Ratio Lower Upper

56 100

69 34.9 24.7 37.1

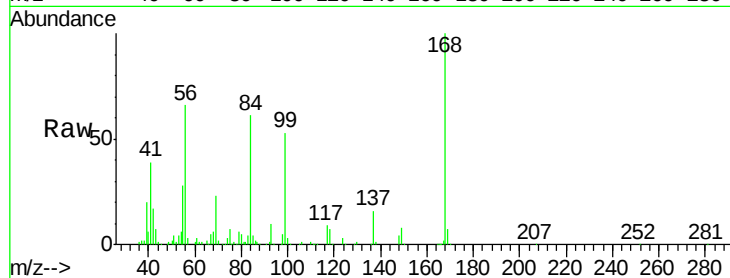
84 90.8 69.4 104.2

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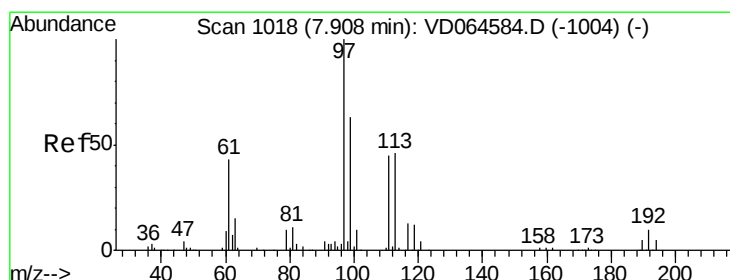
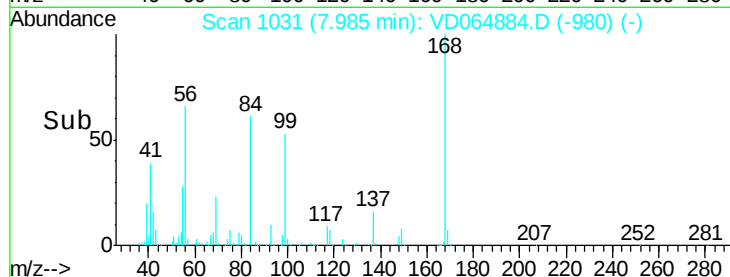
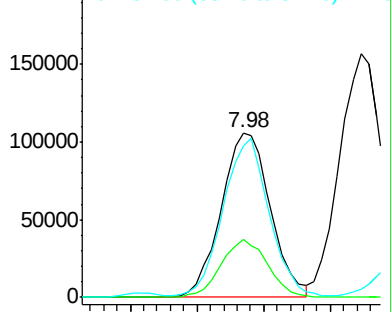
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 54.795 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

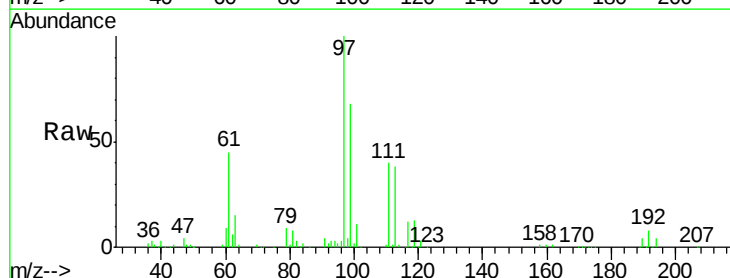
Tgt Ion: 97 Resp: 314717

Ion Ratio Lower Upper

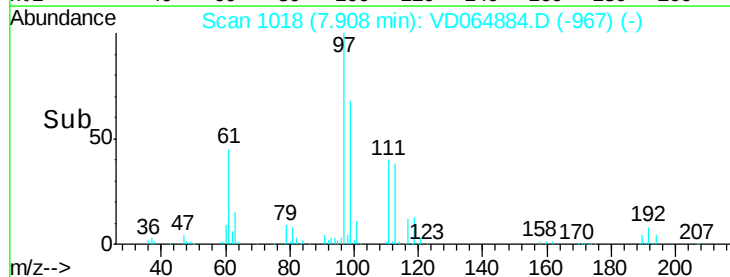
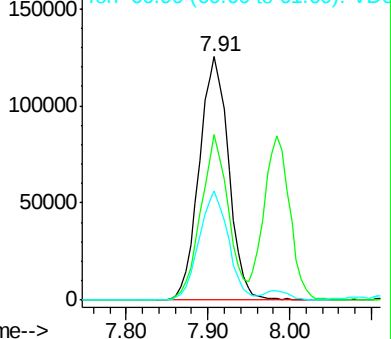
97 100

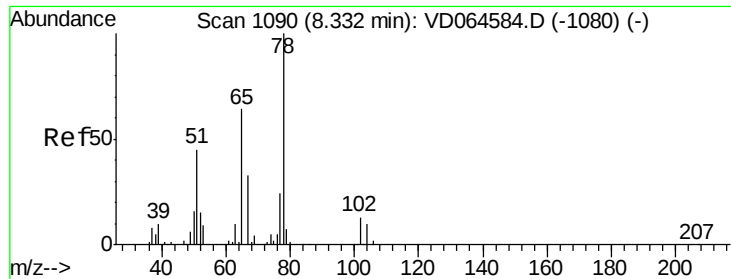
99 63.8 51.0 76.6

61 44.3 35.4 53.0



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





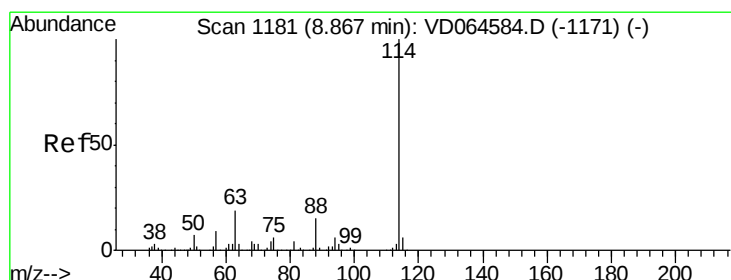
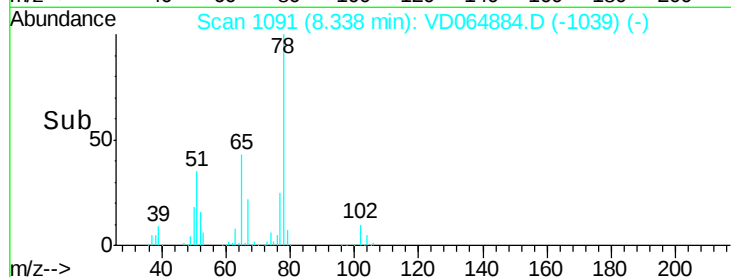
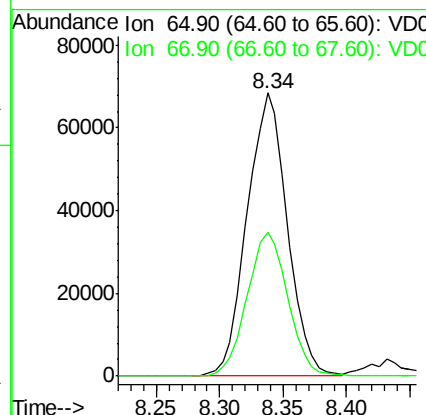
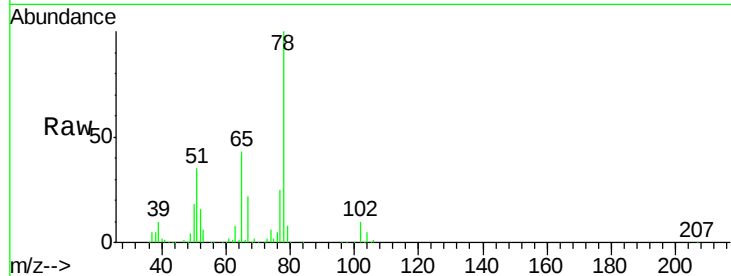
#33
 1,2-Dichloroethane-d4
 Concen: 48.274 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	106.2	

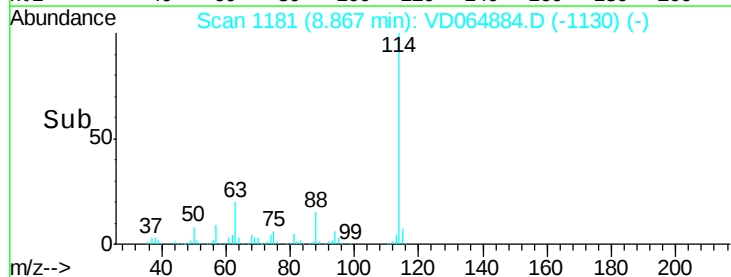
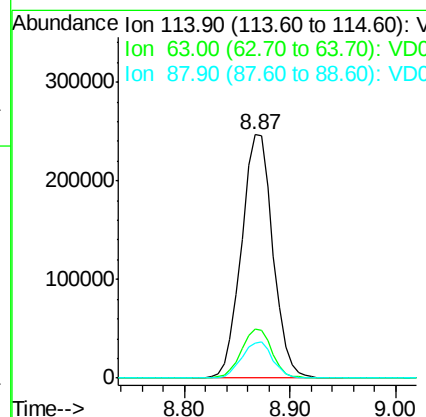
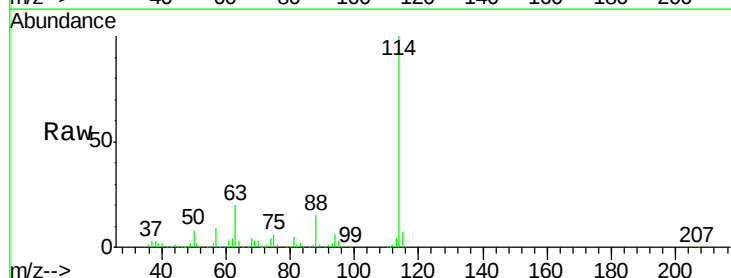
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.3	0.0	38.0	
88	14.5	0.0	29.2	





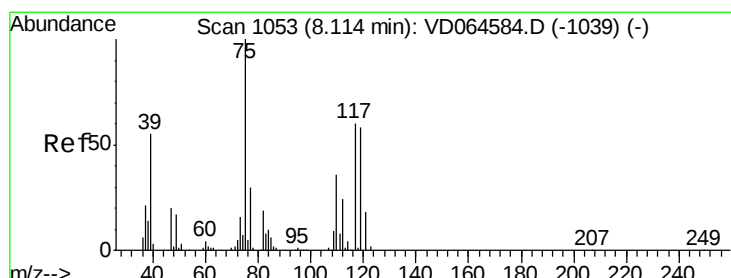
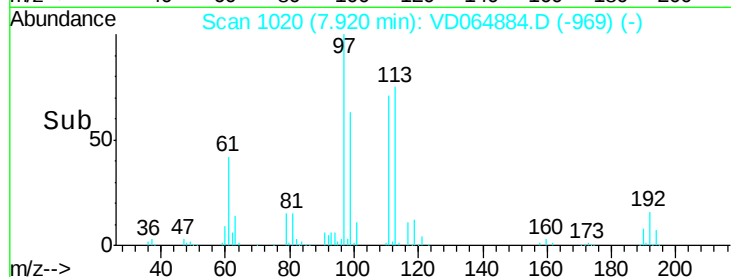
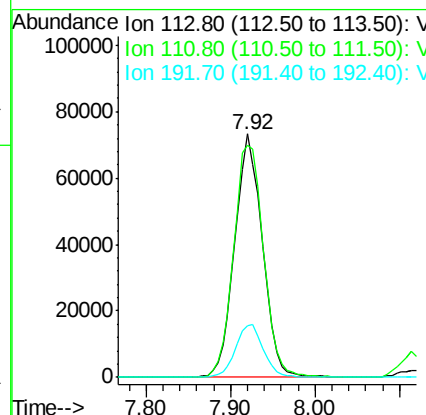
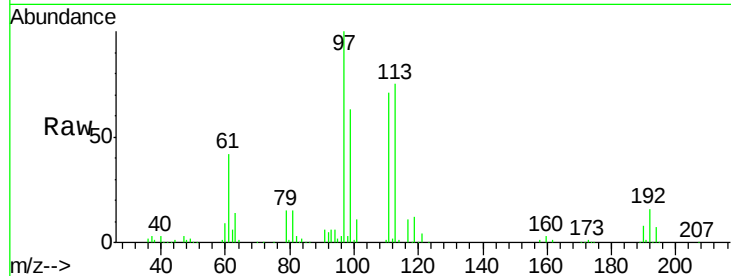
#35
 Dibromofluoromethane
 Concen: 53.030 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165848		
111	103.0	80.6	121.0	
192	21.8	17.9	26.9	

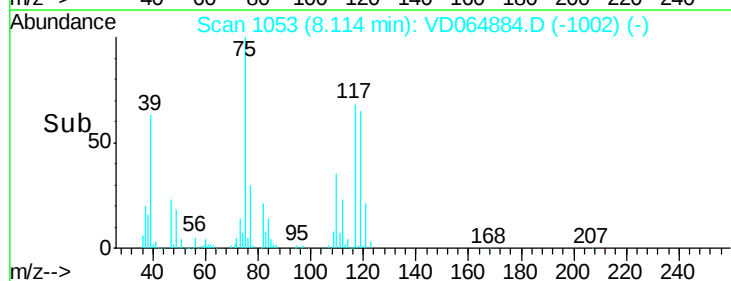
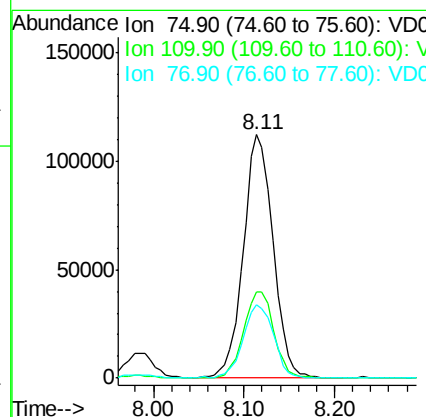
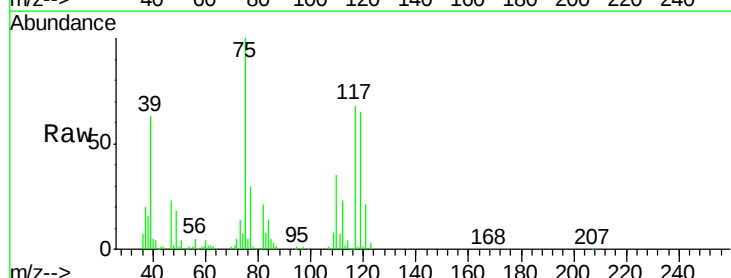
Manual Integrations
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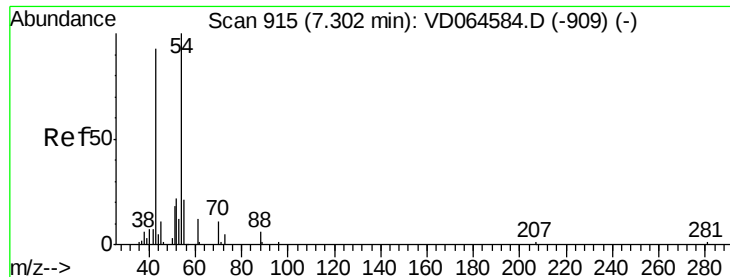
MMDadoda
 1/21/2020 9:23:28 AM



#36
 1,1-Dichloropropene
 Concen: 51.911 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	254695		
110	36.3	18.1	54.1	
77	31.3	24.2	36.4	





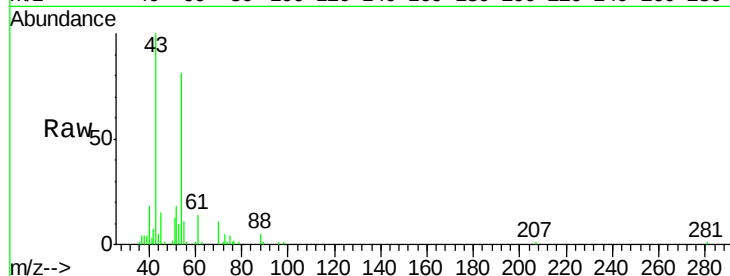
#37
Ethyl Acetate
Concen: 39.450 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.3	15.5
70	9.5	7.6	11.4

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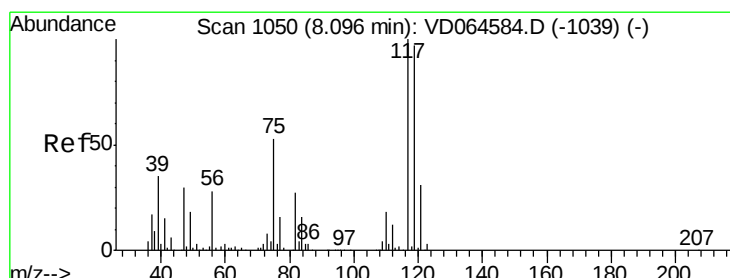
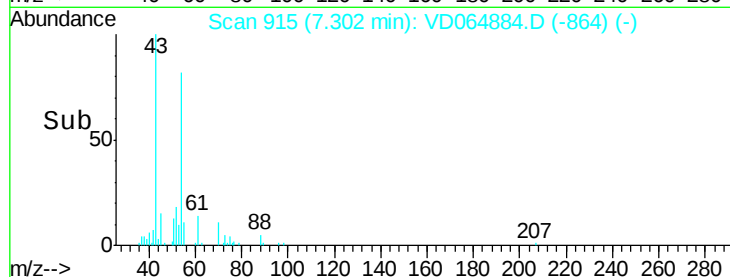
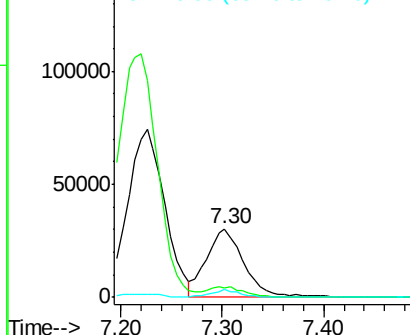


Abundance

Ion 43.00 (42.70 to 43.70): VDC

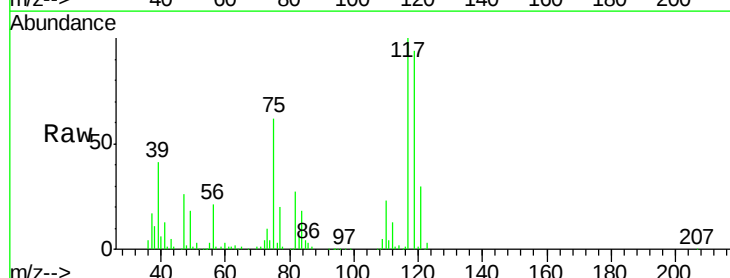
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 54.731 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.3	115.9
121	30.3	25.0	37.6

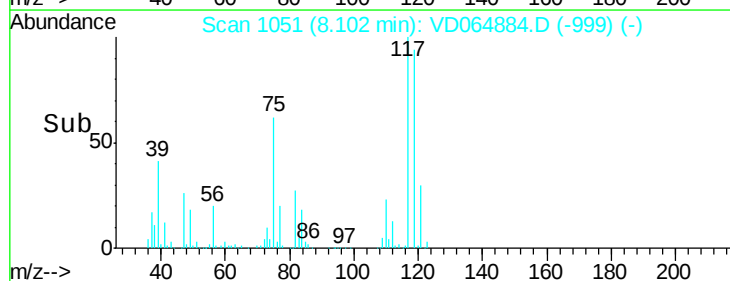
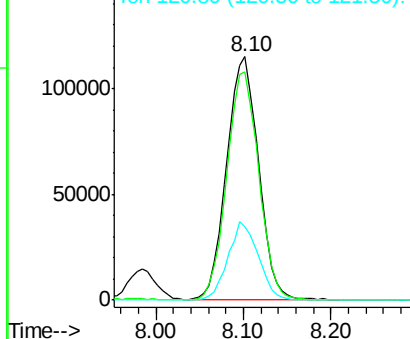


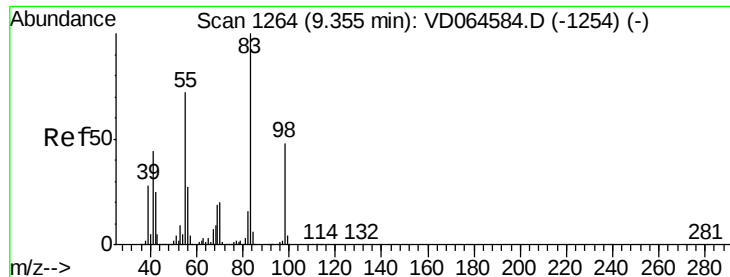
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





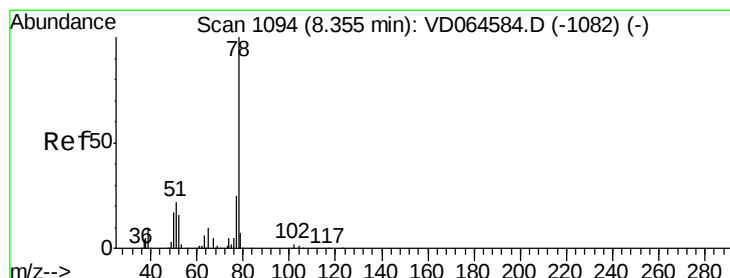
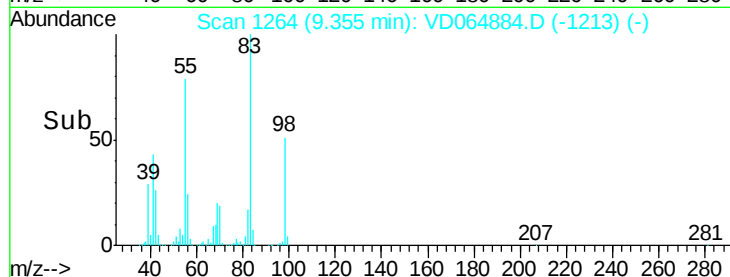
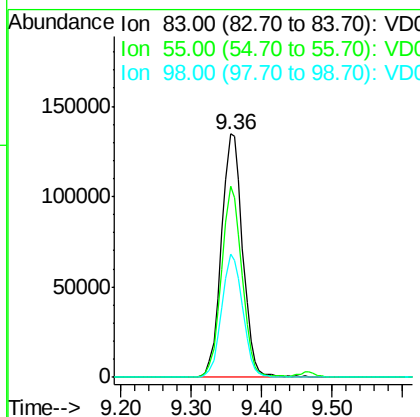
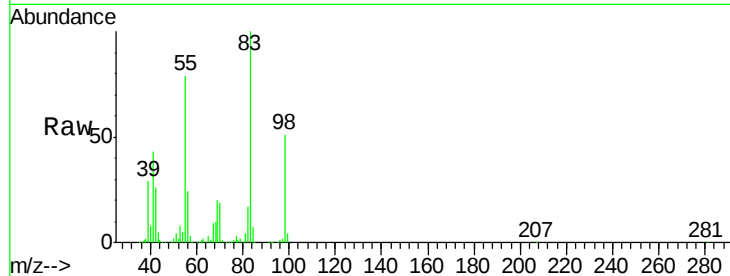
#39
Methylvlcyclohexane
Concen: 47.539 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.7	57.8	86.6
98	50.8	38.7	58.1

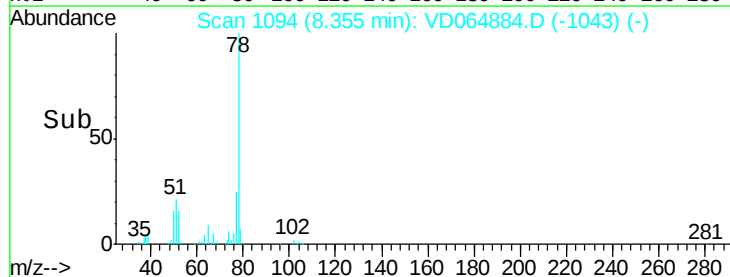
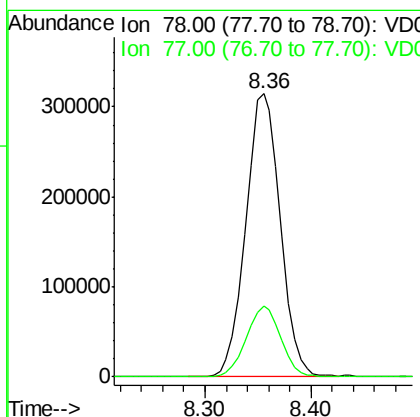
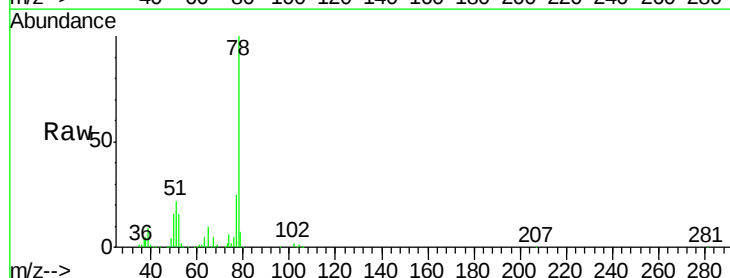
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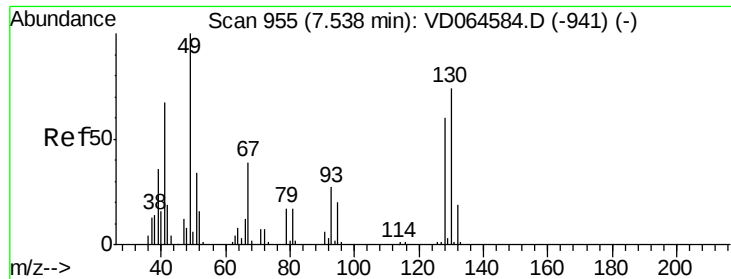
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#40
Benzene
Concen: 53.400 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.9	29.9





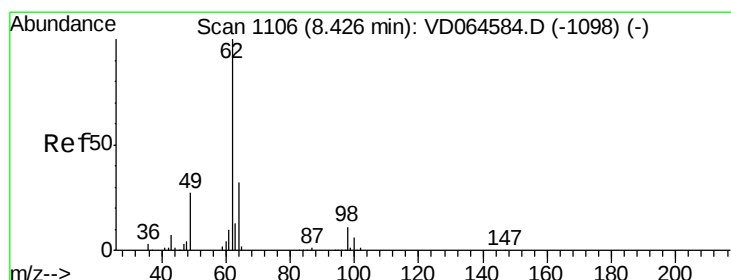
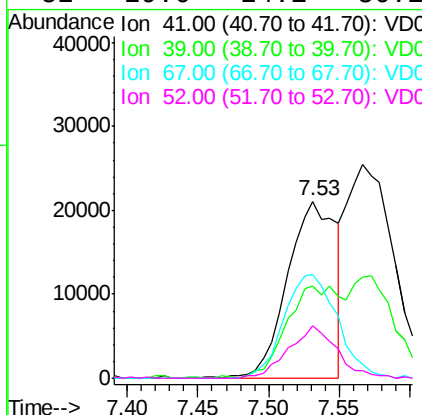
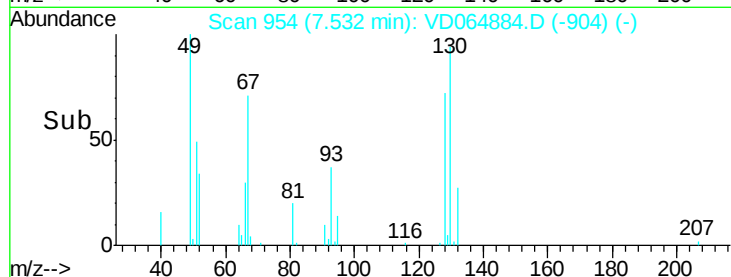
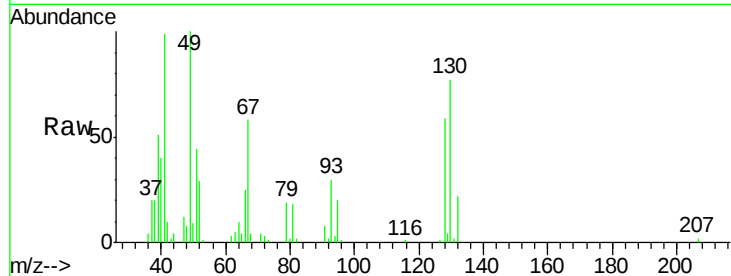
#41
Methacrylonitrile
Concen: 45.023 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
41	100		
39	60.5	46.7	70.1
67	64.8	52.5	78.7
52	29.6	24.1	36.1

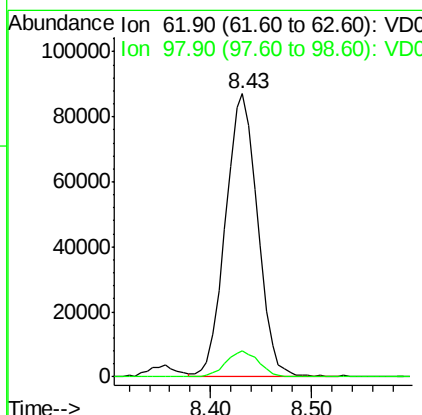
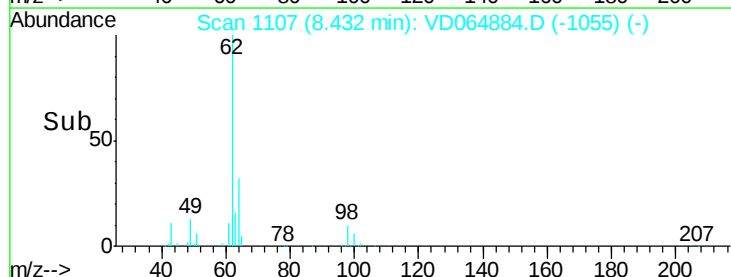
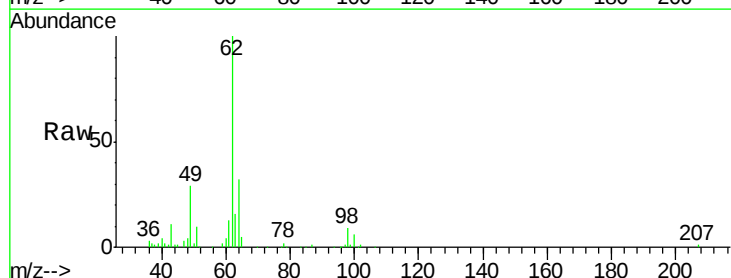
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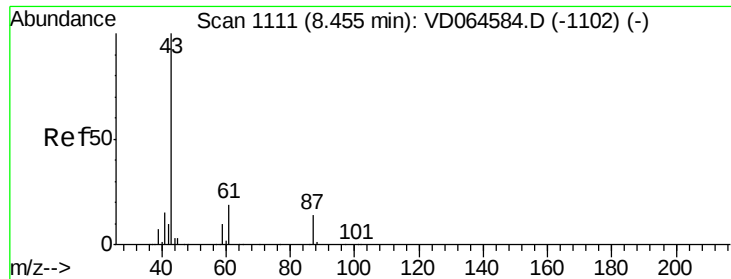
MMDadoda
1/21/2020 9:23:28 AM



#42
1,2-Dichloroethane
Concen: 49.494 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





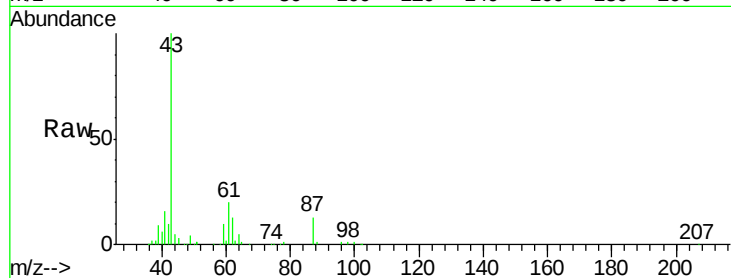
#43
Isopropyl Acetate
Concen: 41.525 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

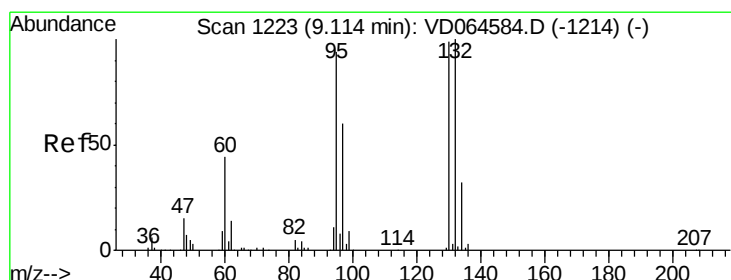
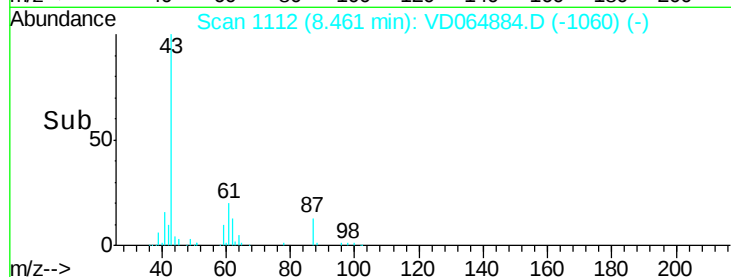
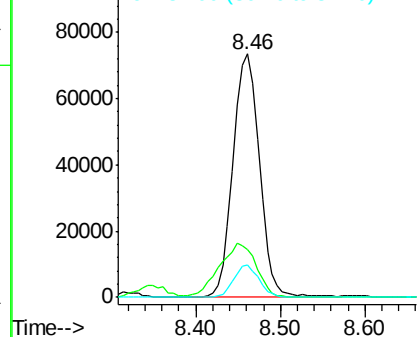
Tot Ion	Ratio	Lower	Upper
43	100		
61	31.1	23.7	35.5
87	12.5	10.5	15.7

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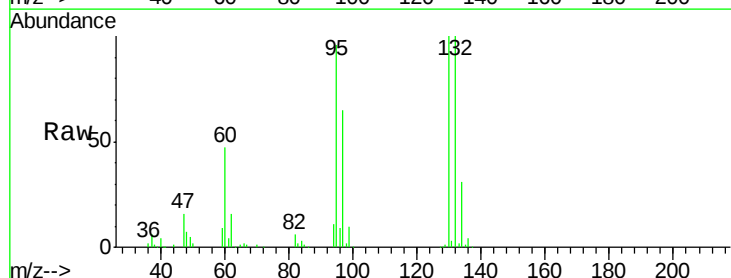


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

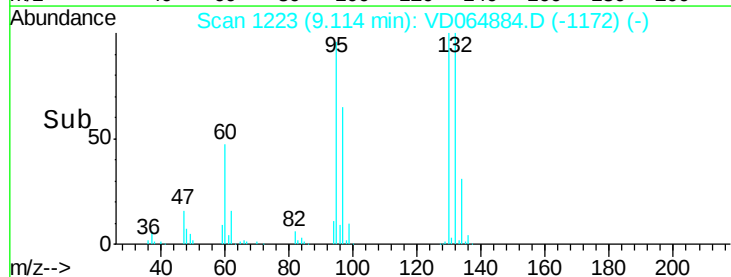
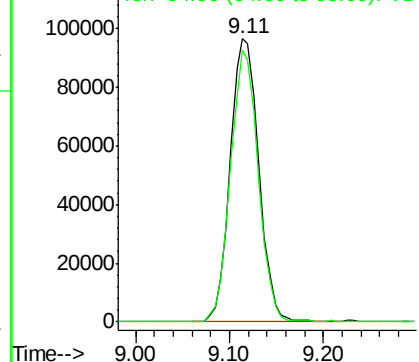


#44
Trichloroethene
Concen: 51.787 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.2	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: 53.802 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 63 Resp: 172057

Ion Ratio Lower Upper

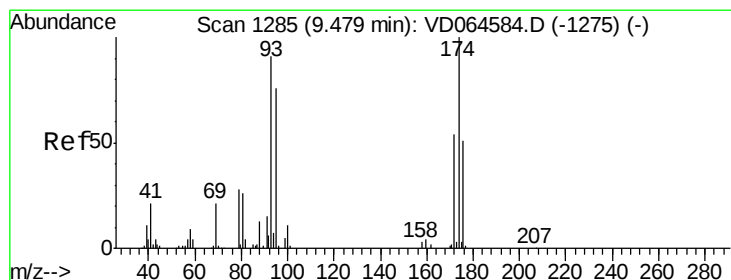
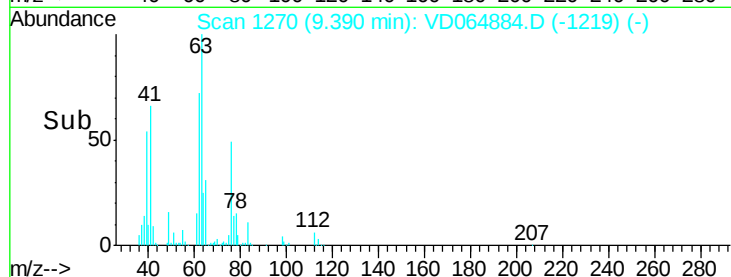
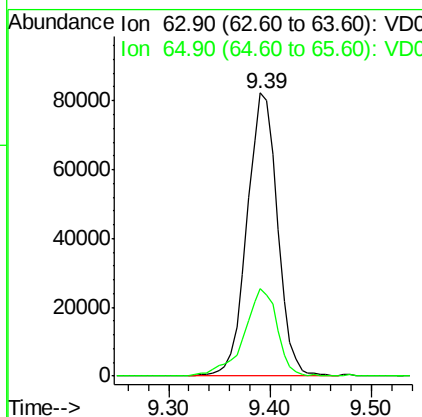
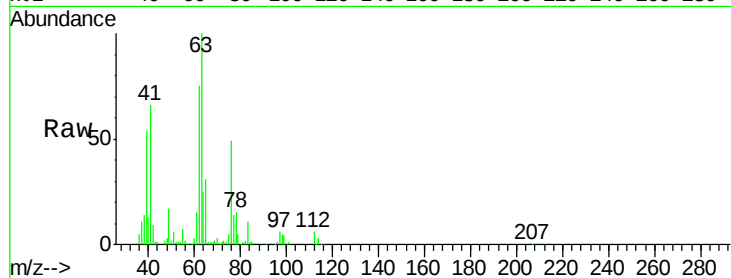
63 100

65 31.0 25.2 37.8

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#46

Dibromomethane

Concen: 46.470 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

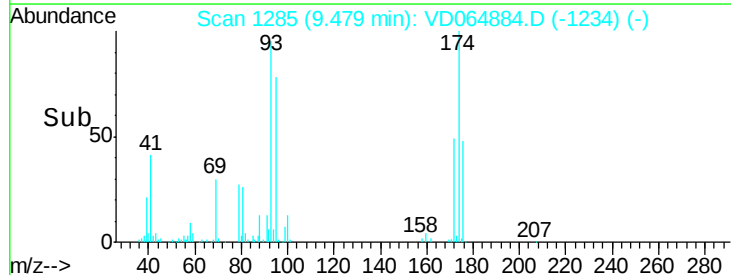
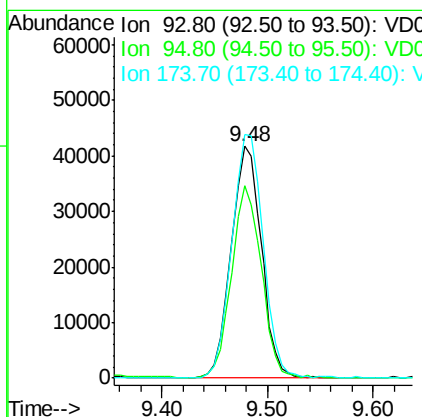
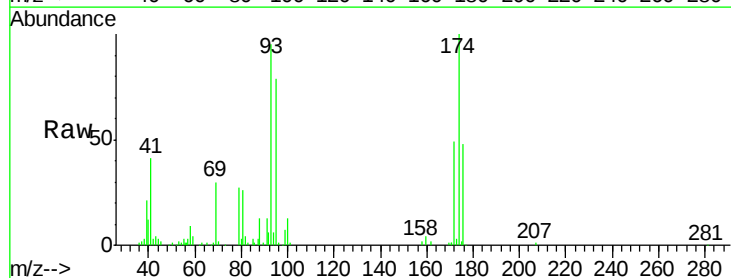
Tgt Ion: 93 Resp: 82855

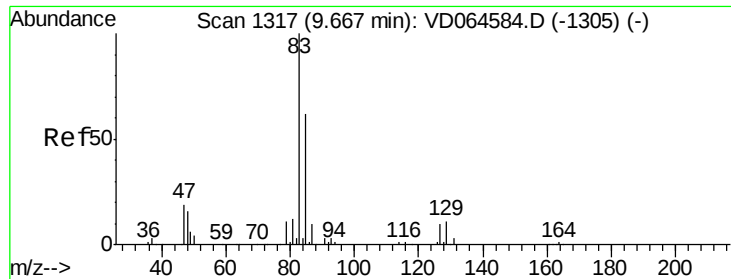
Ion Ratio Lower Upper

93 100

95 81.7 64.6 97.0

174 108.4 88.1 132.1





#47

Bromodichloromethane

Concen: 52.088 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

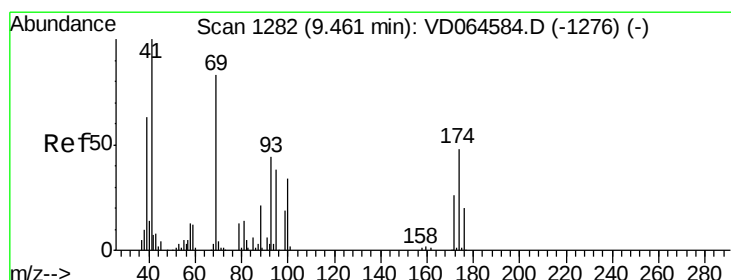
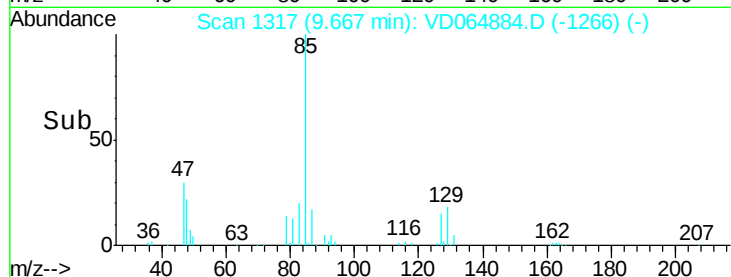
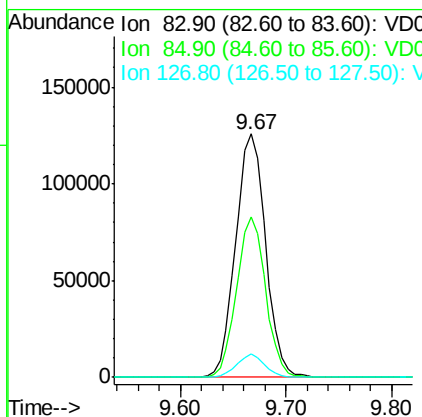
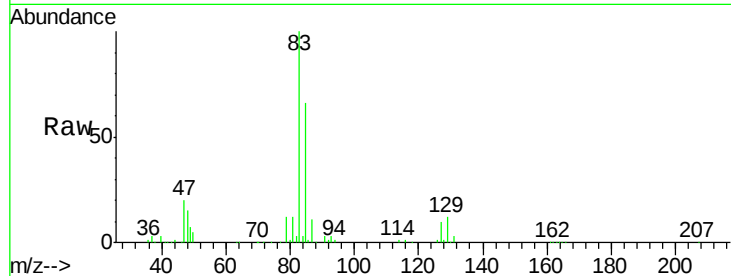
ClientSampleId :

EP-3MSD

Tot Ion:	83	Resp:	247128
Ion	Ratio	Lower	Upper
83	100		
85	65.8	49.5	74.3
127	9.6	7.8	11.6

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#48

Methyl methacrylate

Concen: 43.028 ug/l

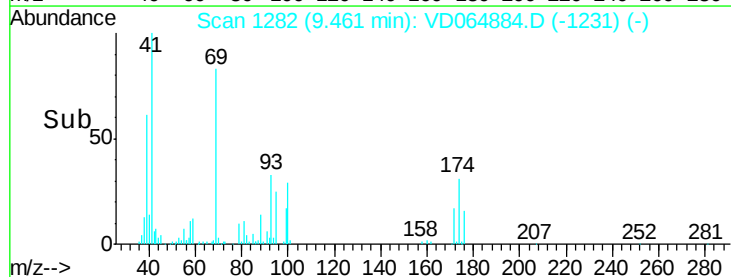
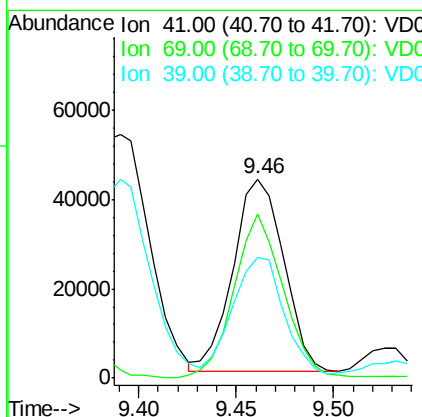
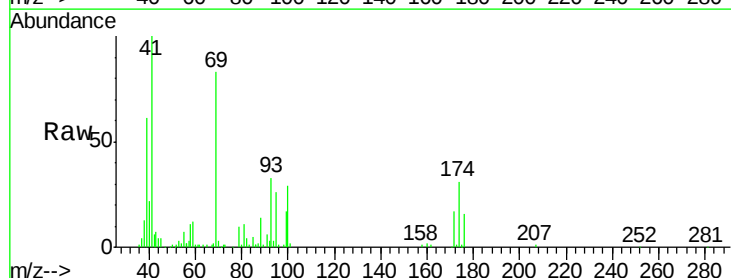
RT: 9.46 min Scan# 1282

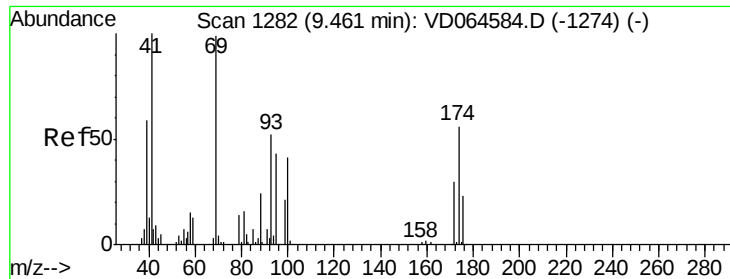
Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion:	41	Resp:	77728
Ion	Ratio	Lower	Upper
41	100		
69	83.2	63.0	94.6
39	64.3	47.4	71.2





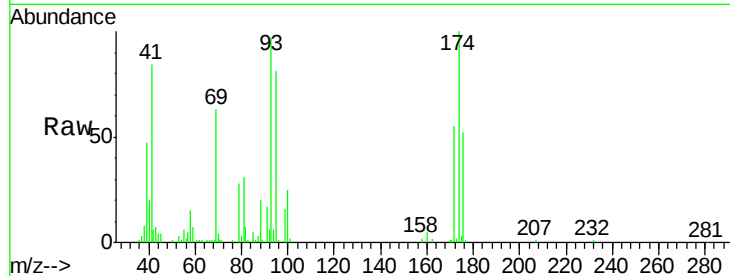
#49
1,4-Dioxane
Concen: 760.250 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	27.7	41.5
58	74.1	53.8	80.6

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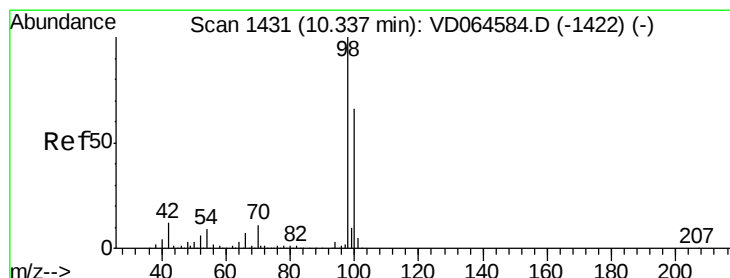
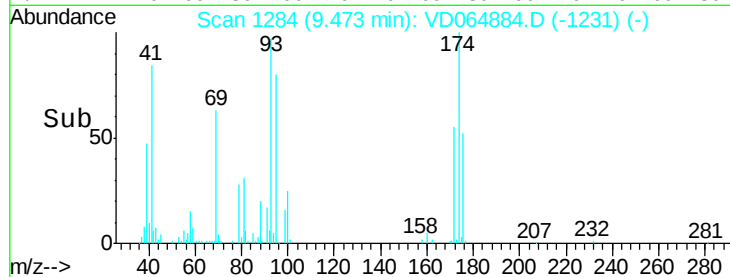
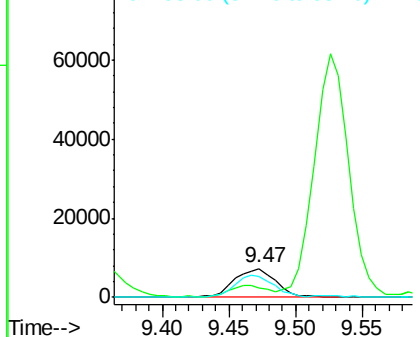


Abundance

Ion 88.00 (87.70 to 88.70): VDC

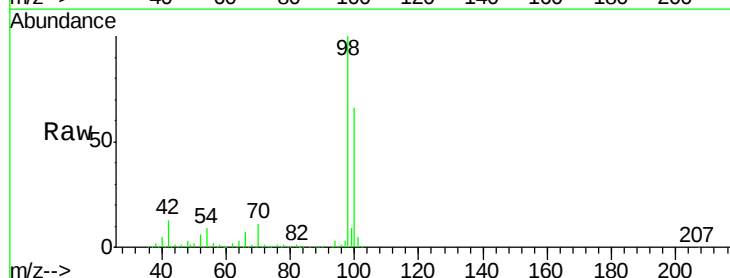
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 53.263 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

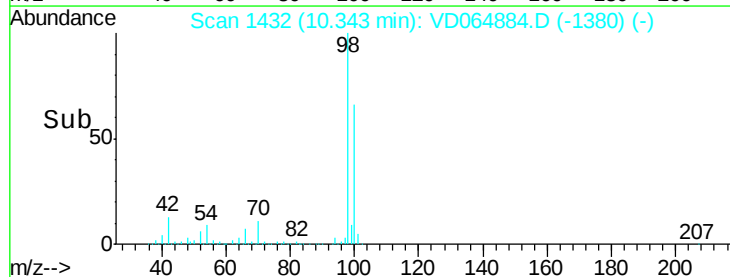
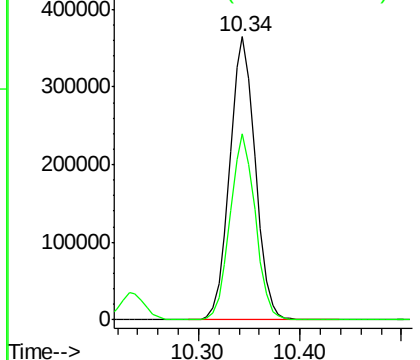
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.7	77.5

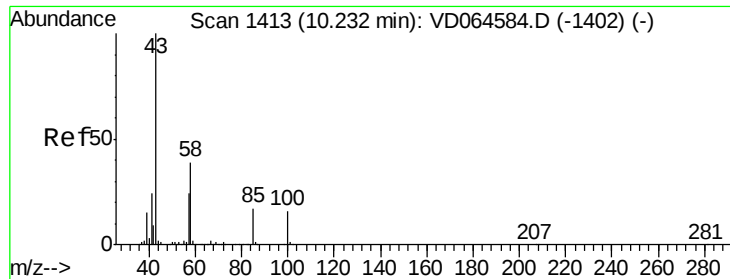


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 201.273 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 43 Resp: 381674

Ion Ratio Lower Upper

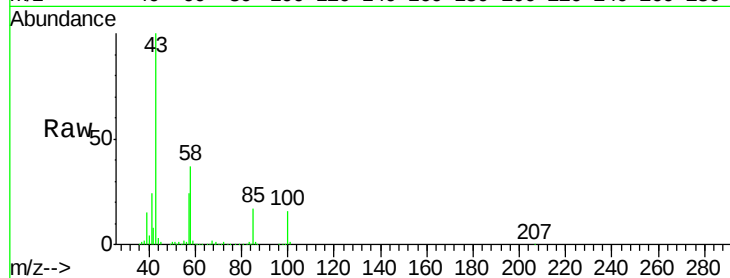
43 100

58 37.9 30.2 45.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

250000

200000

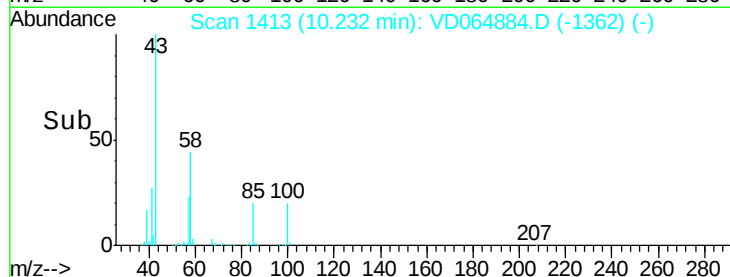
150000

100000

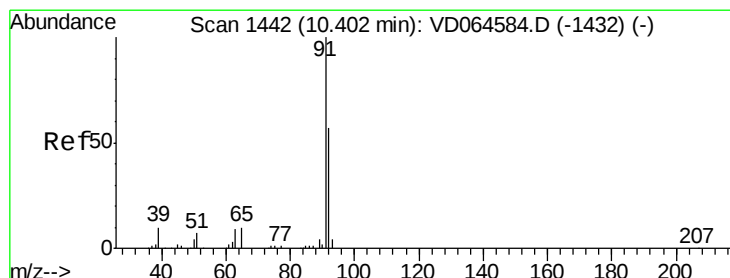
50000

0

Time-->



Time-->



#52

Toluene

Concen: 53.356 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064884.D

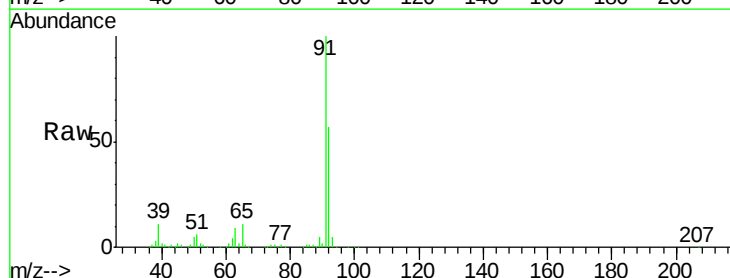
Acq: 20 Jan 2020 12:14

Tgt Ion: 92 Resp: 468867

Ion Ratio Lower Upper

92 100

91 171.2 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

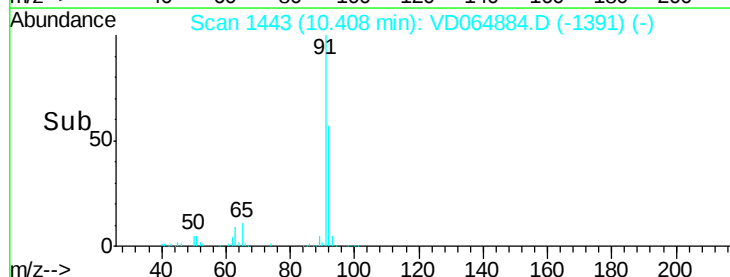
300000

200000

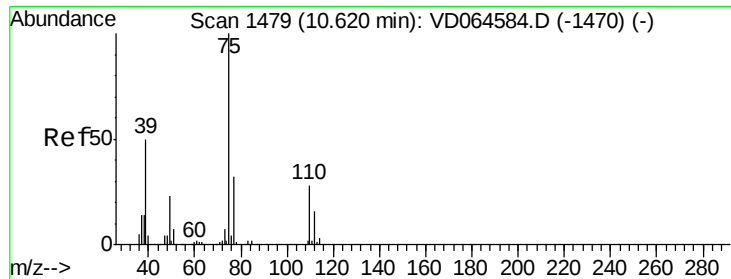
100000

0

Time-->



Time-->



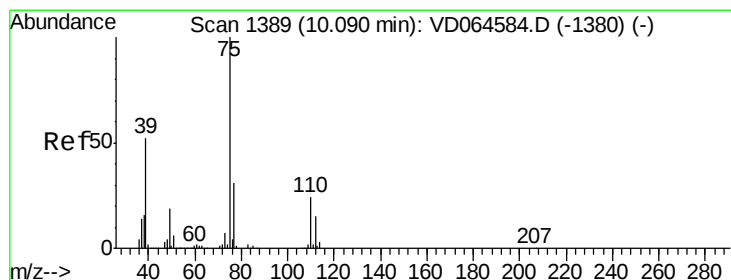
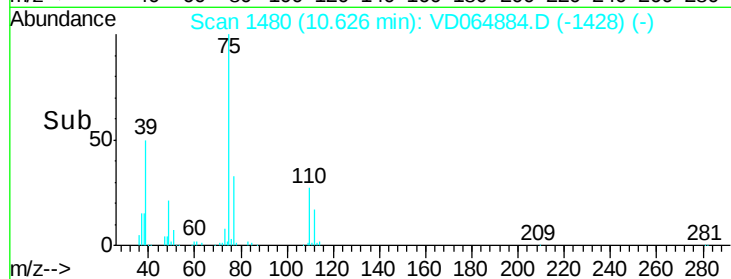
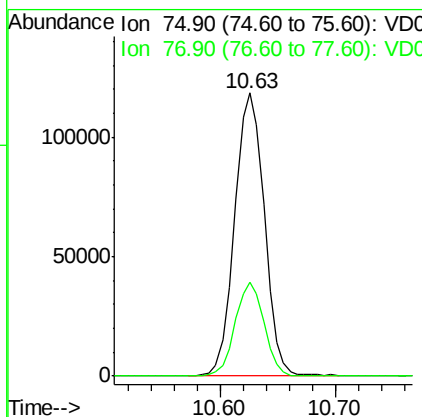
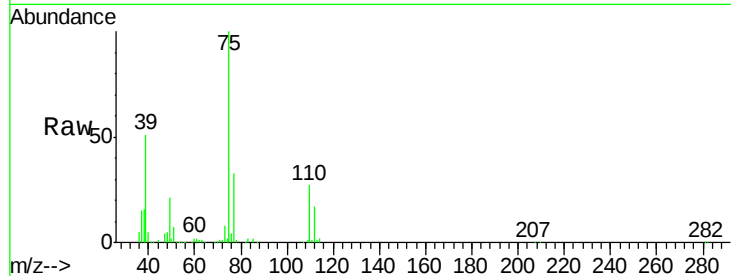
#53
t-1,3-Dichloropropene
Concen: 47.721 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.2

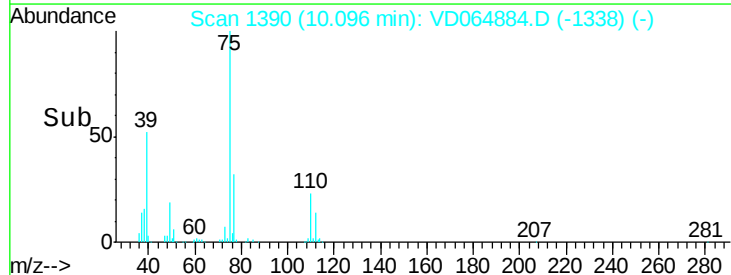
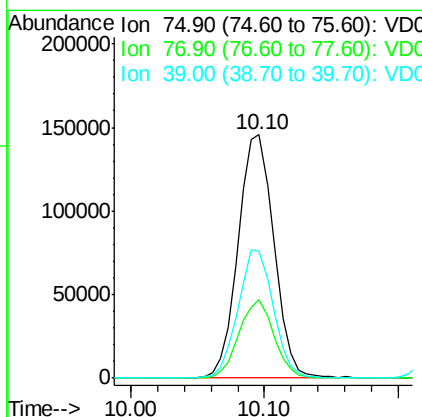
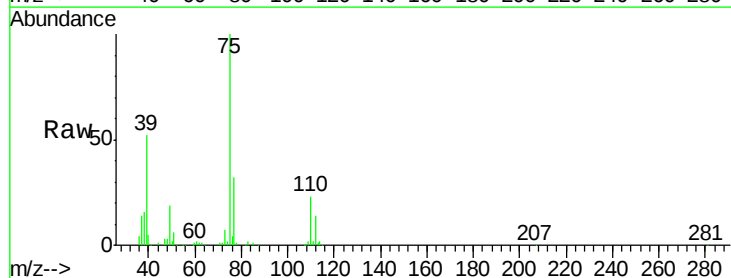
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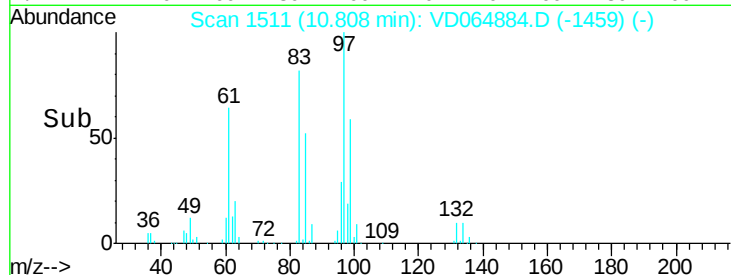
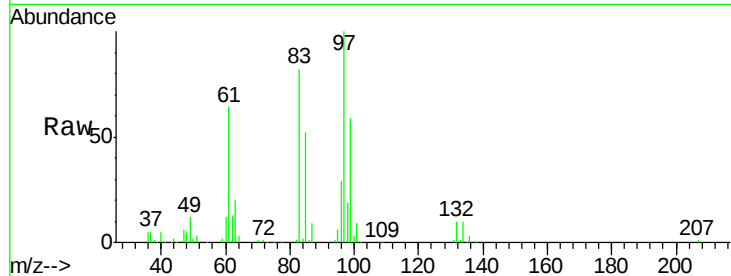
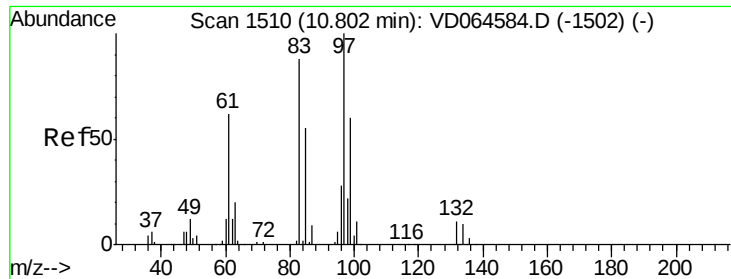
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.891 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.4	24.6	36.8
39	51.9	41.4	62.2





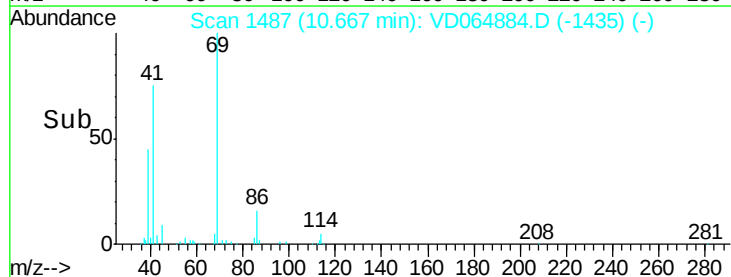
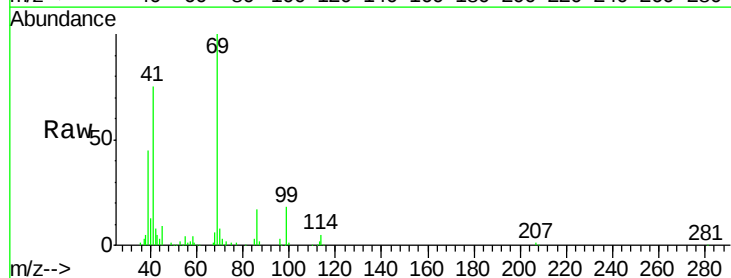
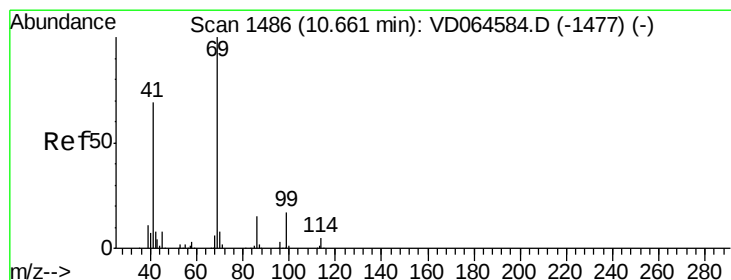
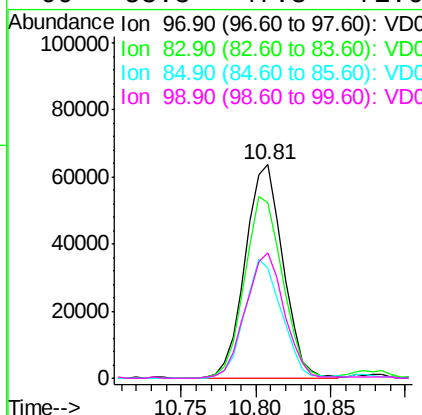
#55
1,1,2-Trichloroethane
Concen: 46.460 ug/l
RT: 10.81 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tot Ion	Ratio	Resp	Lower	Upper
97	100	111638		
83	82.4	70.2	105.4	
85	51.5	44.0	66.0	
99	58.8	47.8	71.6	

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

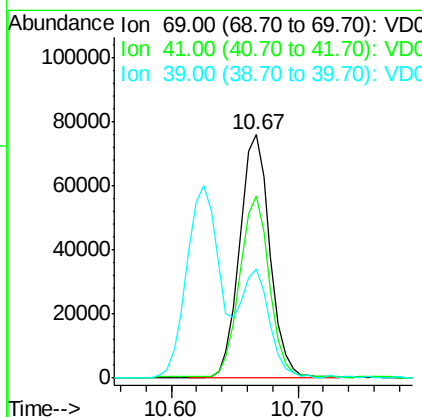
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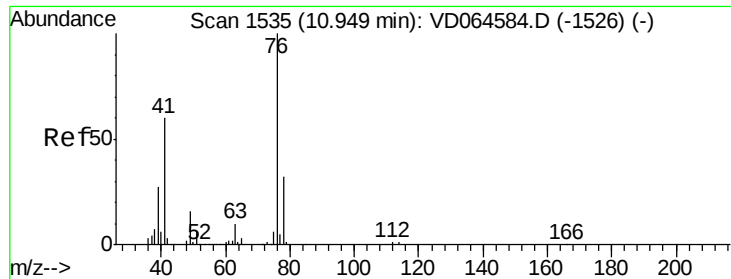
MMDadoda
1/21/2020 9:23:28 AM



#56
Ethyl methacrylate
Concen: 41.964 ug/l
RT: 10.67 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	125929		
41	75.2	55.3	82.9	
39	40.4	33.8	50.8	





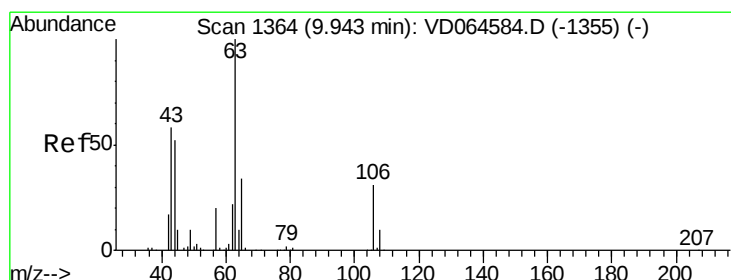
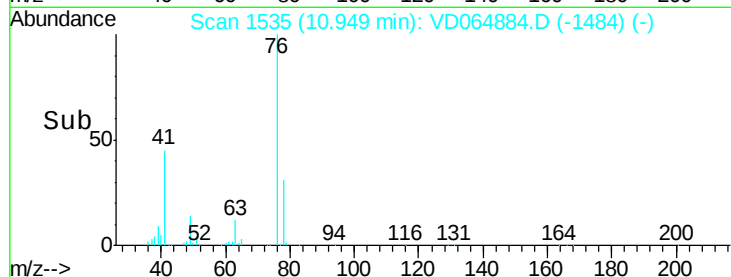
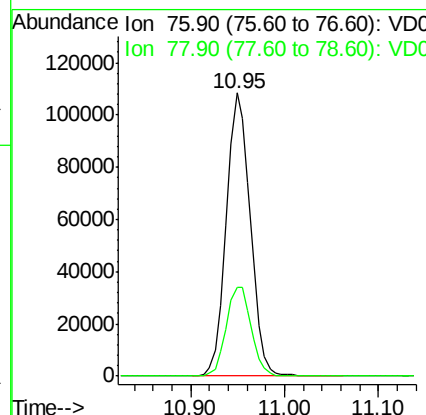
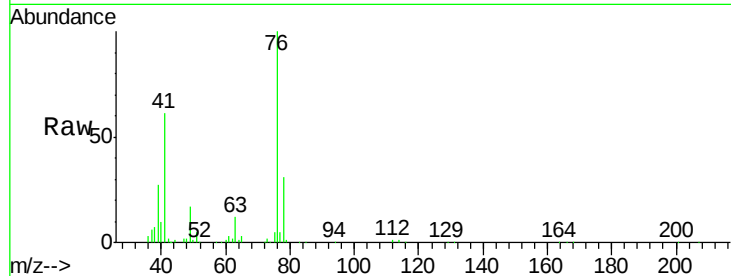
#57
 1,3-Dichloropropane
 Concen: 46.602 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion: 76 Resp: 192805
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.2 39.4

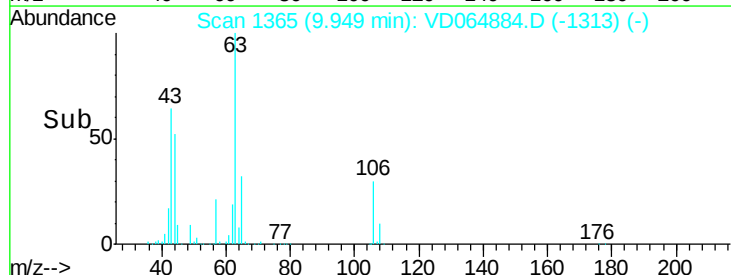
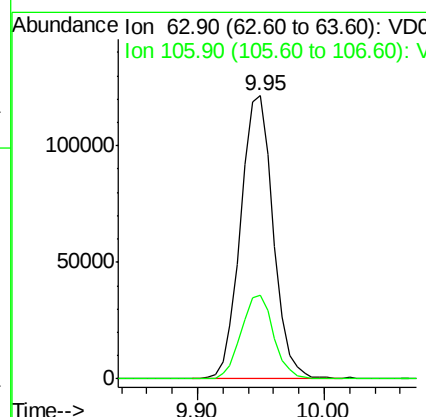
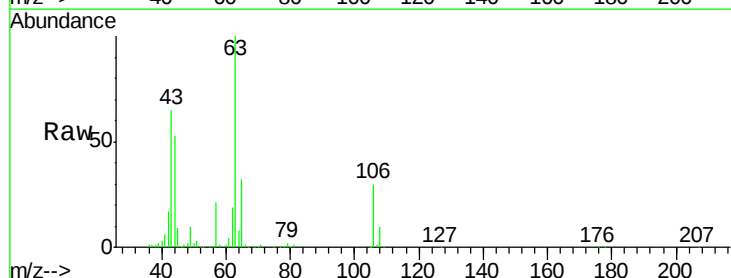
Manual Integrations
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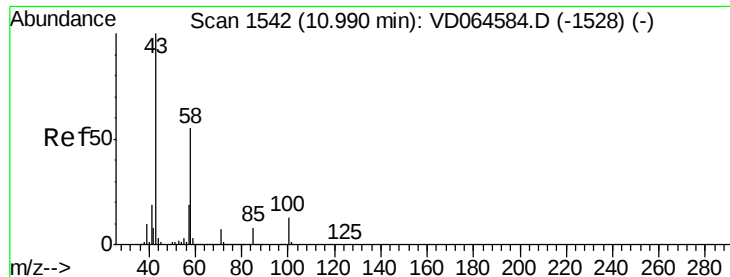
MMDadoda
 1/21/2020 9:23:28 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 189.440 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion: 63 Resp: 216589
 Ion Ratio Lower Upper
 63 100
 106 29.6 23.8 35.8





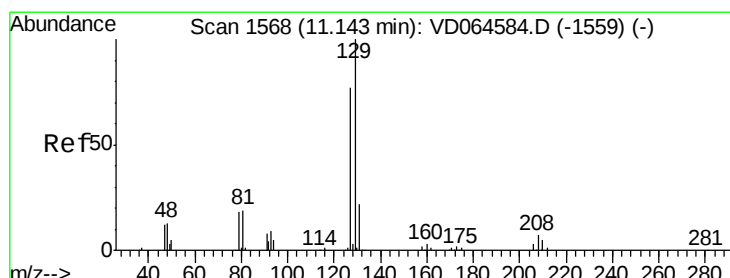
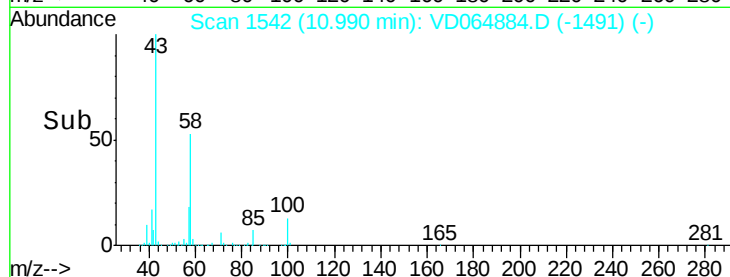
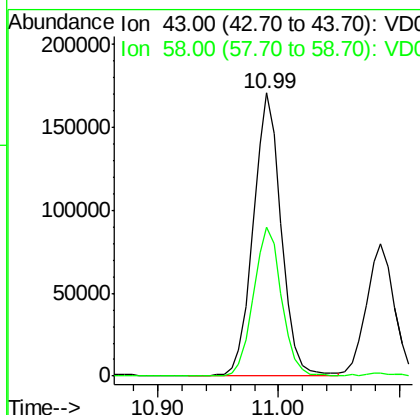
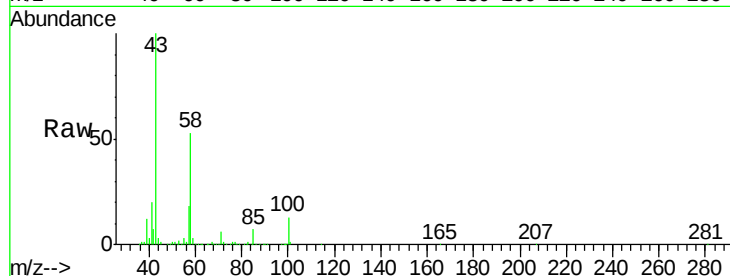
#59
2-Hexanone
Concen: 214.519 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.4	79.0

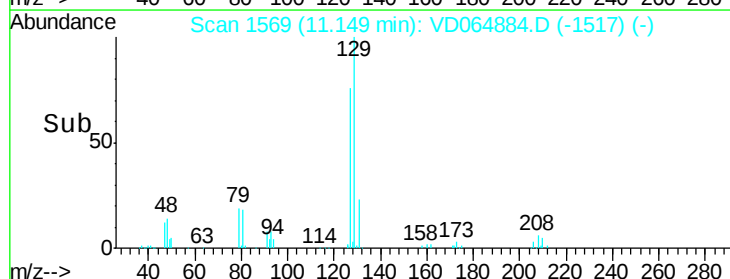
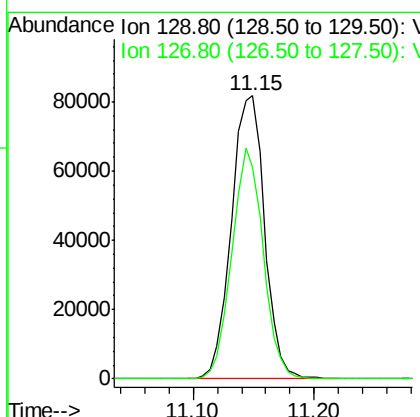
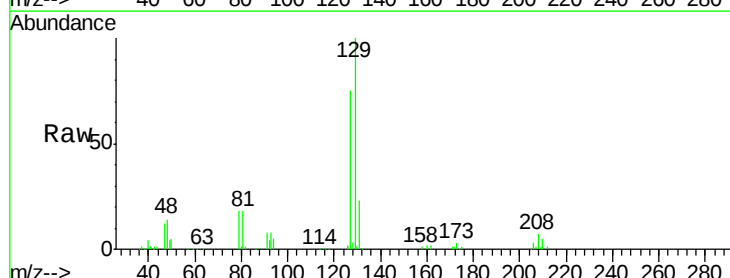
Manual Integrations
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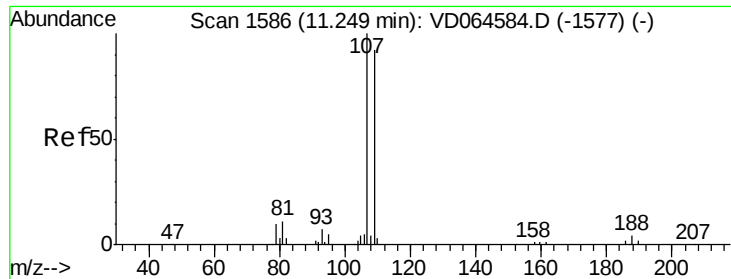
MMDadoda
1/21/2020 9:23:28 AM



#60
Dibromochloromethane
Concen: 47.191 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.7	38.4	115.2





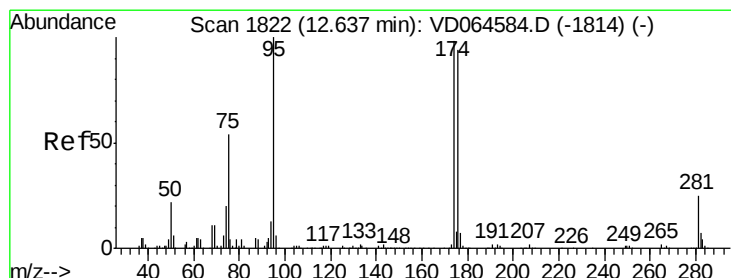
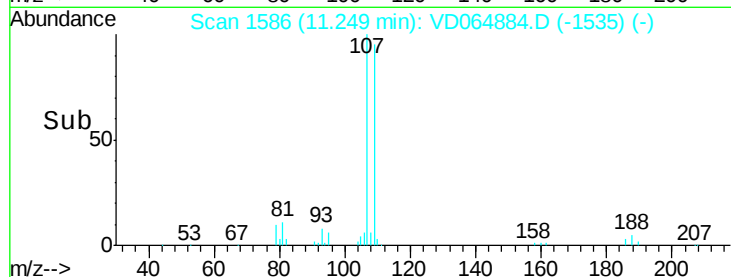
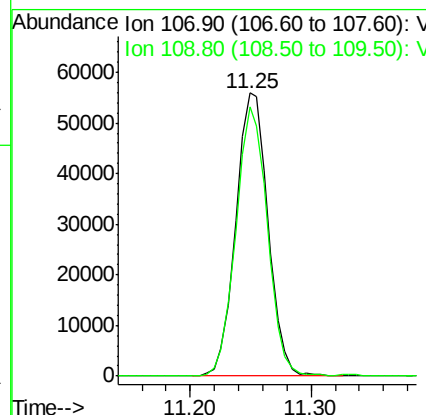
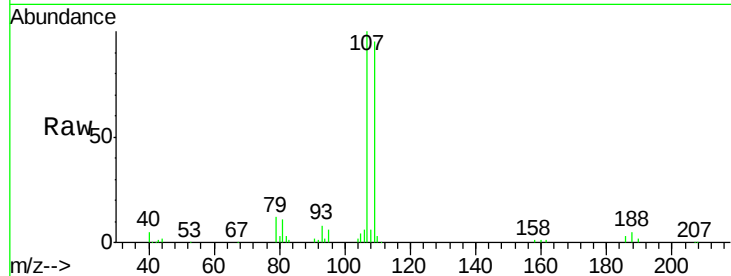
#61
 1,2-Dibromoethane
 Concen: 43.822 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.6	113.4

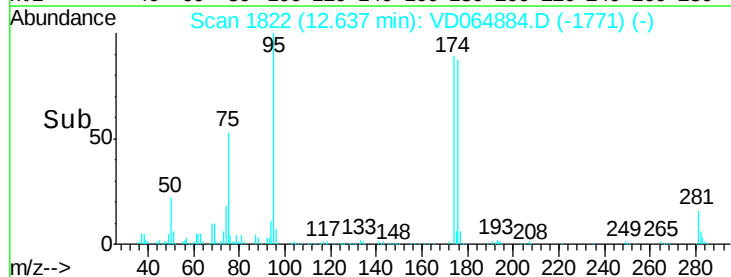
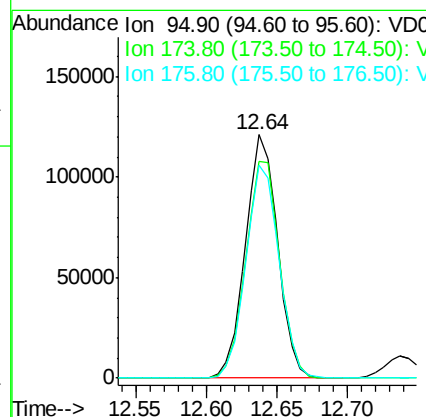
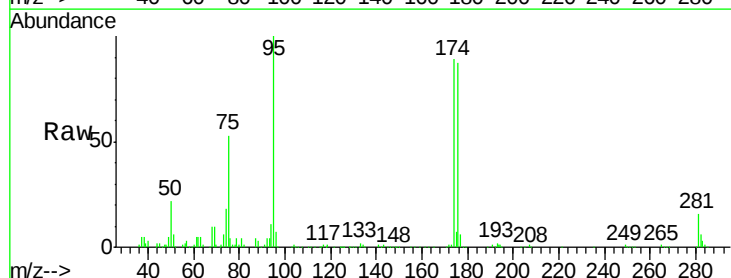
Manual Integrations
 APPROVED

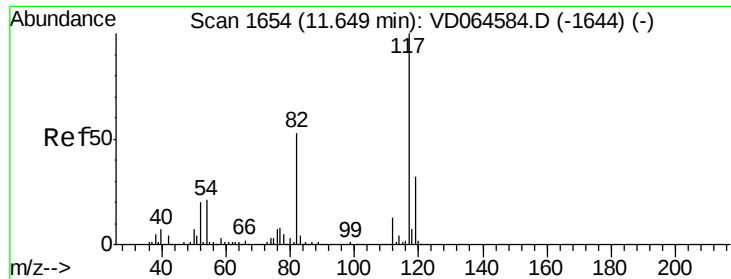
MMDadoda
 1/21/2020 9:23:28 AM



#62
 4-Bromofluorobenzene
 Concen: 51.257 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	193.2
176	89.9	0.0	184.2





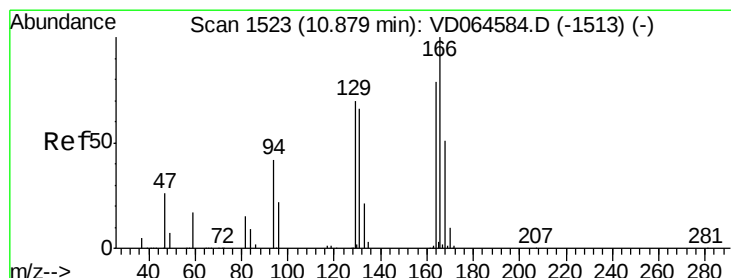
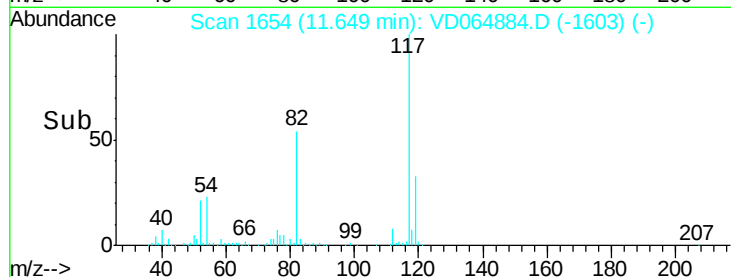
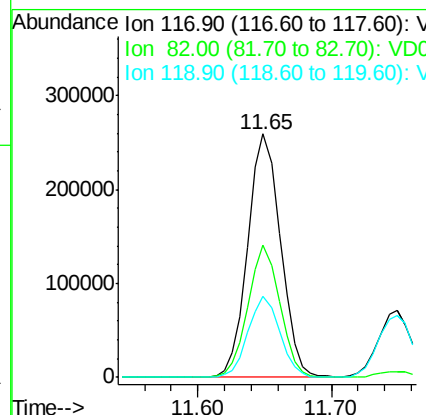
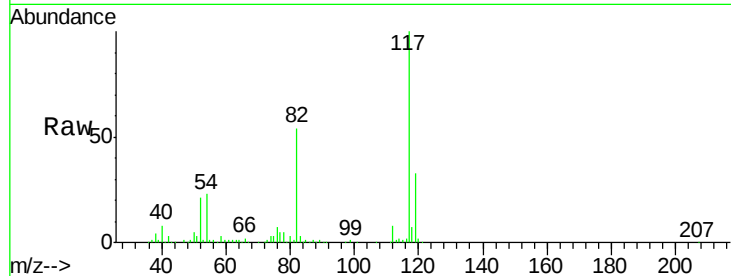
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
117	100	440155		
82	54.4		42.2	63.4
119	33.4		26.0	39.0

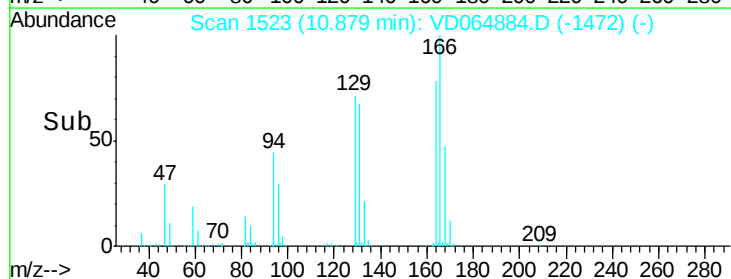
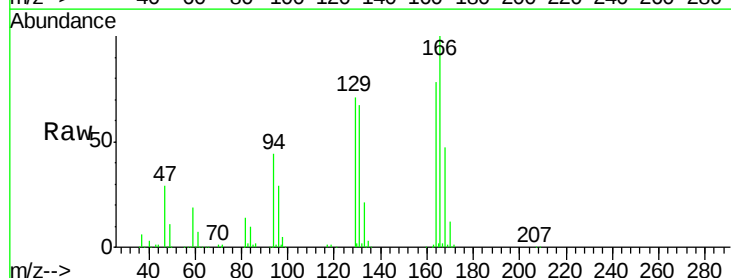
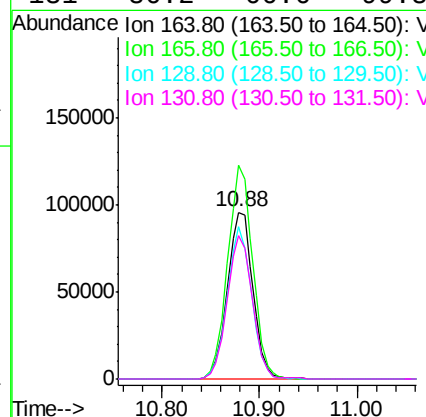
Manual Integrations
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#64
Tetrachloroethene
Concen: 51.347 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	173390		
166	128.3		101.3	151.9
129	91.2		70.5	105.7
131	86.2		66.6	99.8





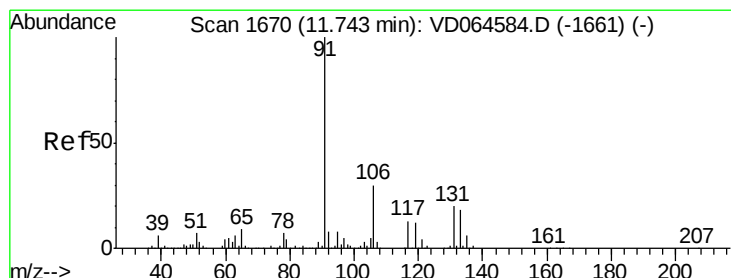
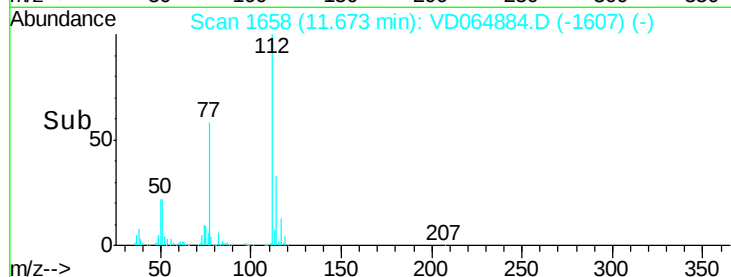
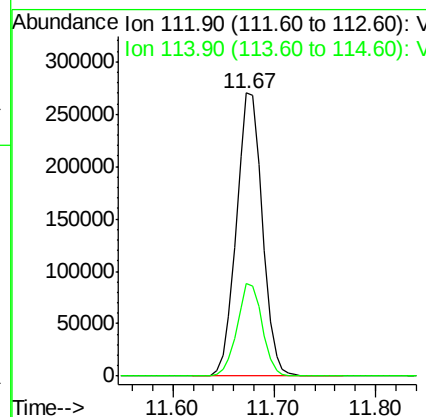
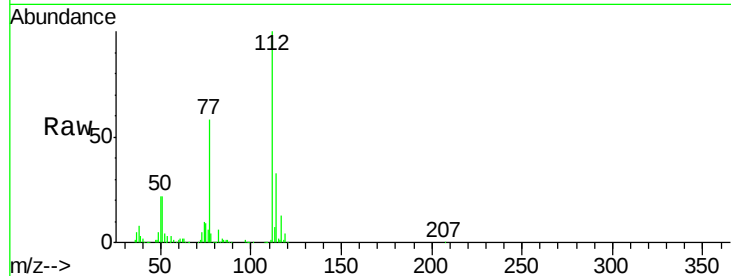
#65
Chlorobenzene
Concen: 52.626 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	24.8	37.2

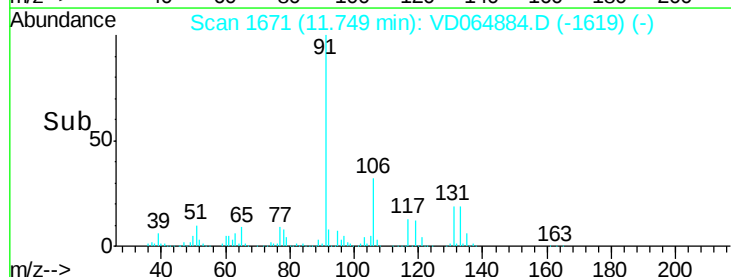
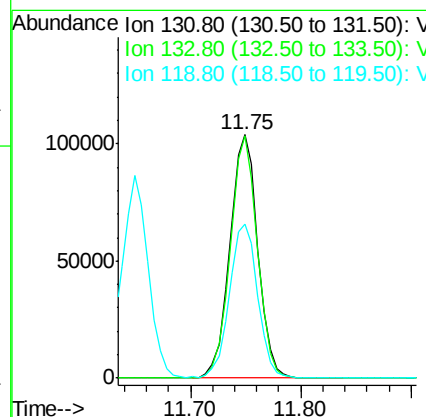
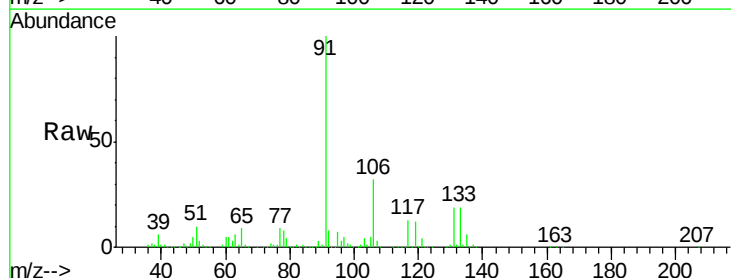
Manual Integrations
APPROVED

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#66
1,1,1,2-Tetrachloroethane
Concen: 53.370 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.3	144.8
119	64.4	32.1	96.3





#67

Ethyl Benzene

Concen: 53.835 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 91 Resp: 892649

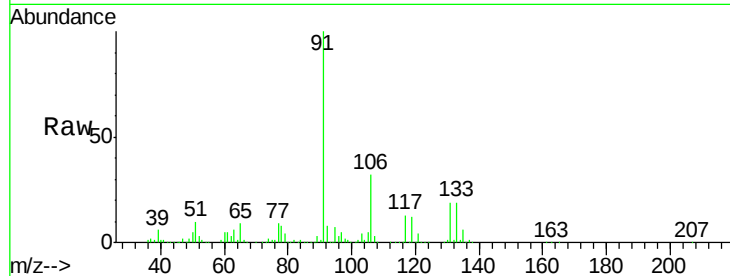
Ion Ratio Lower Upper

91 100

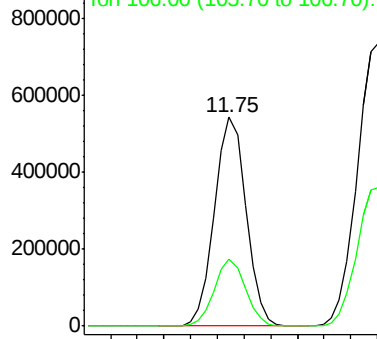
106 31.8 24.6 36.8

Manual Integrations
APPROVED

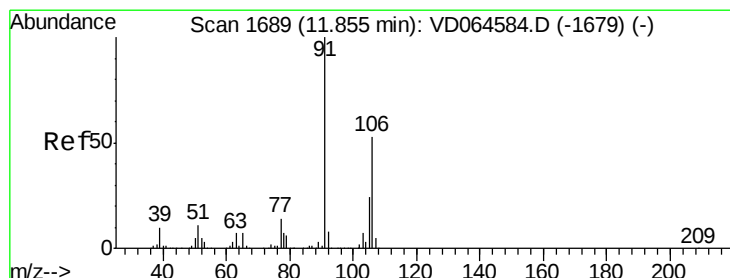
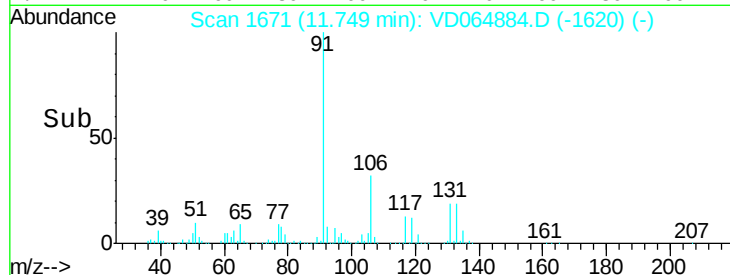
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): V



Time-->



#68

m/p-Xylenes

Concen: 108.092 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064884.D

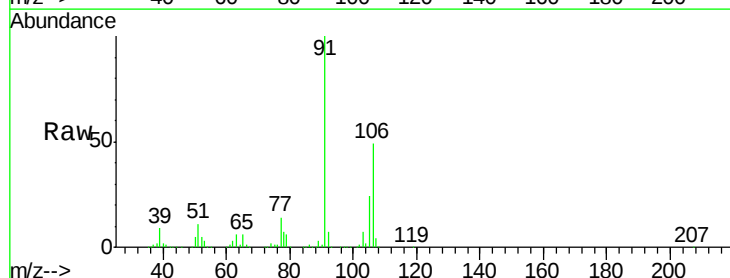
Acq: 20 Jan 2020 12:14

Tgt Ion: 106 Resp: 691791

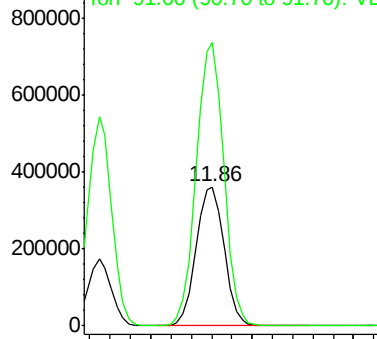
Ion Ratio Lower Upper

106 100

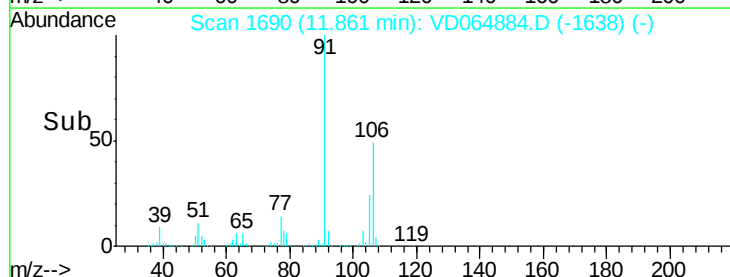
91 201.1 156.3 234.5

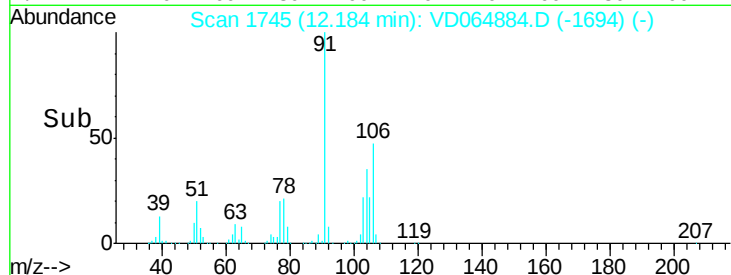
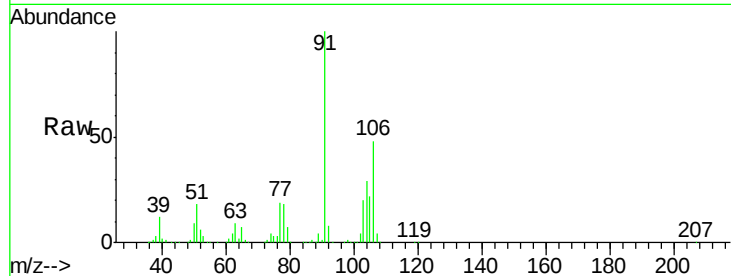
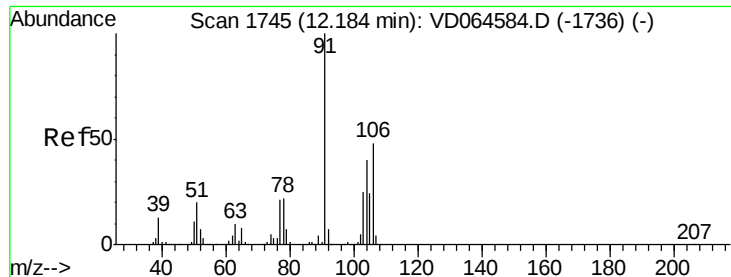


Abundance Ion 106.00 (105.70 to 106.70): V



Time-->





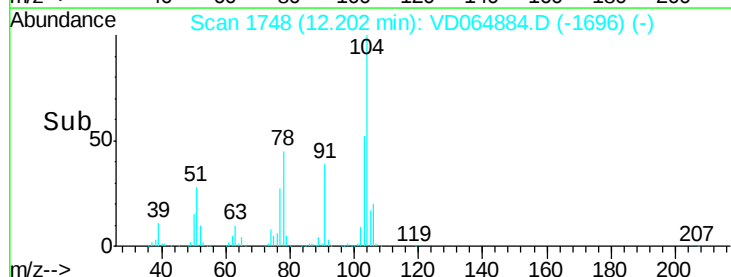
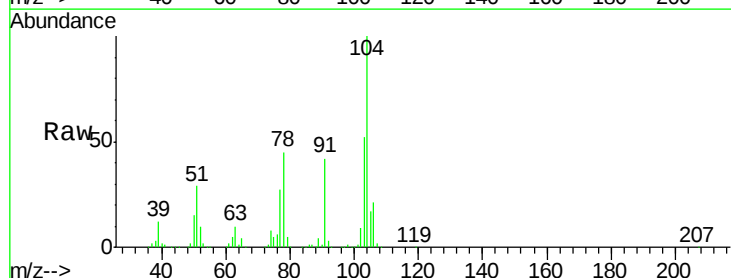
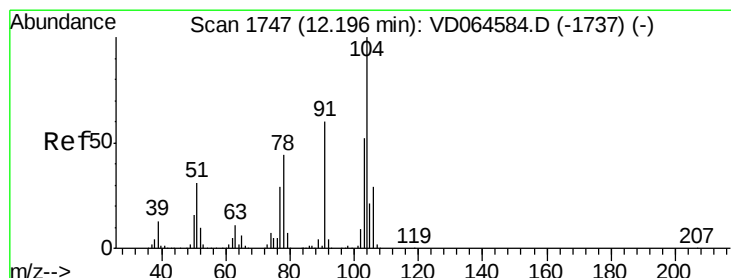
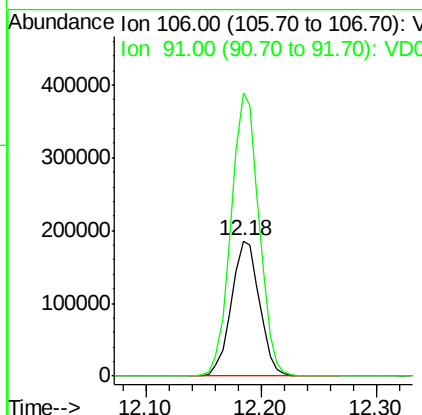
#69
o-Xylene
Concen: 53.975 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		312021		
91	209.2	104.8	314.4		

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

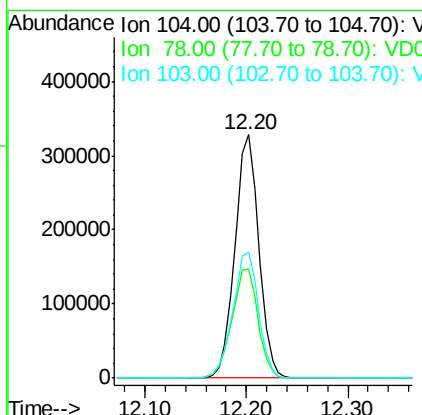
Manual Integrations
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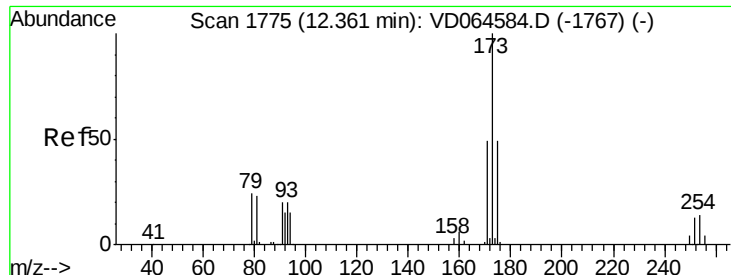
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#70
Styrene
Concen: 53.111 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		538914		
78	49.0	38.2	57.2		
103	55.7	44.6	67.0		





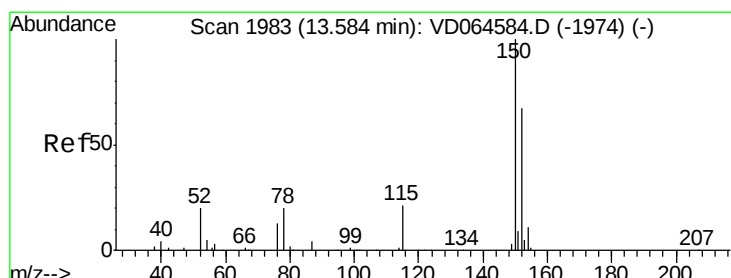
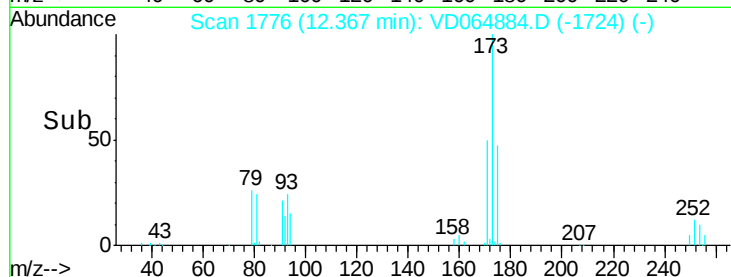
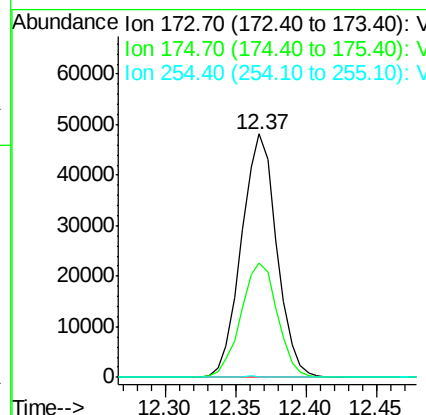
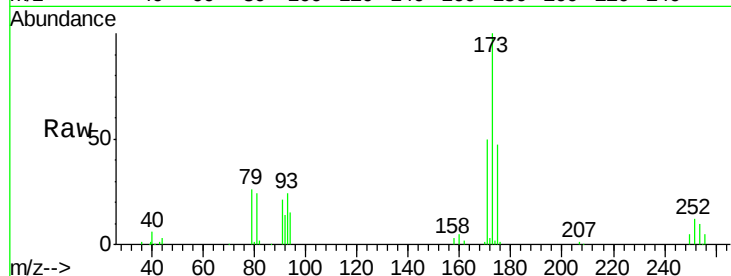
#71
Bromoform
Concen: 42.881 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.6	73.8
254	0.2	0.1	0.1#

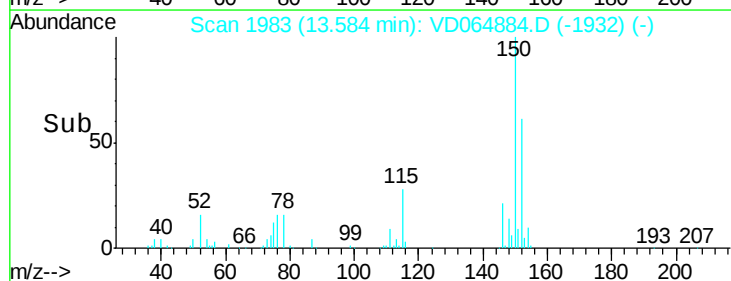
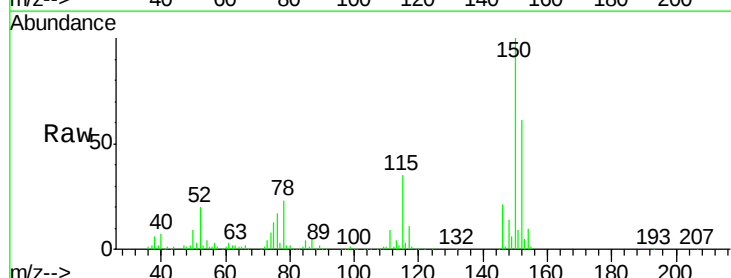
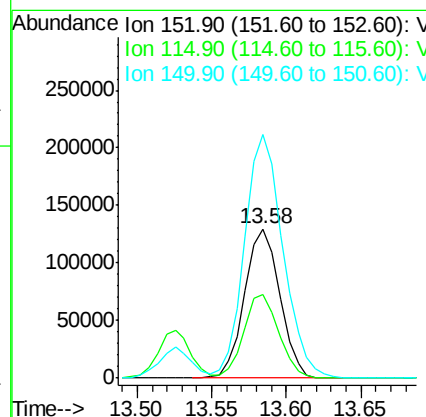
Manual Integrations
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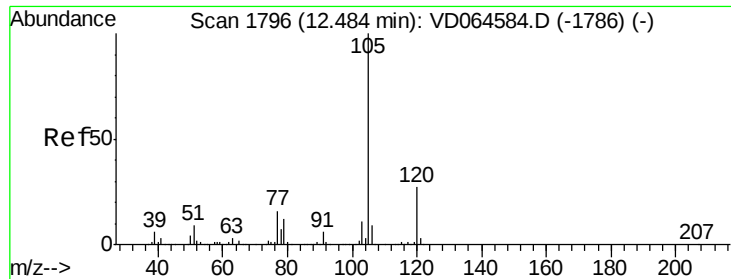
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.8	83.4
150	177.2	0.0	351.4





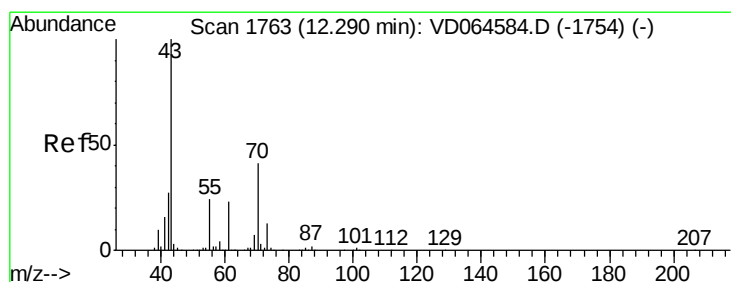
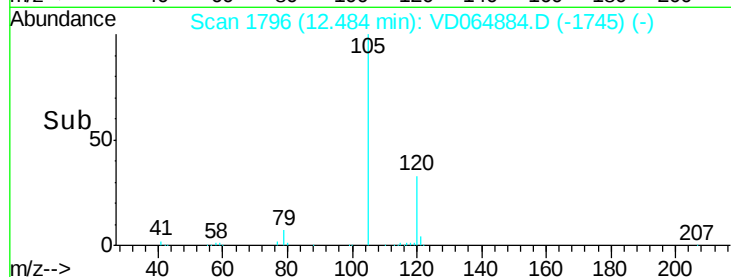
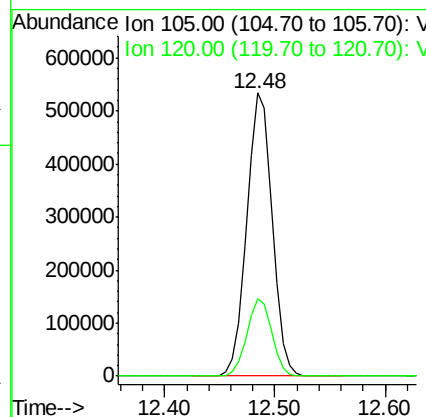
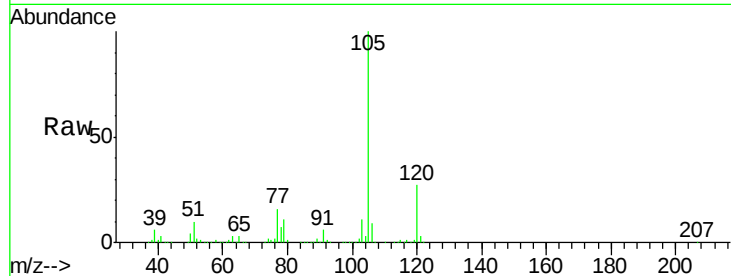
#73
Isopropylbenzene
Concen: 56.896 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
105	100	863595		
120	26.9		13.5	40.5

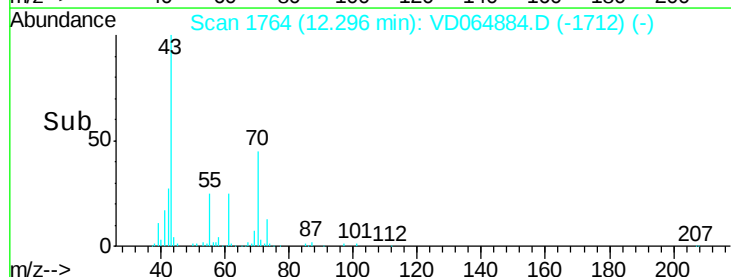
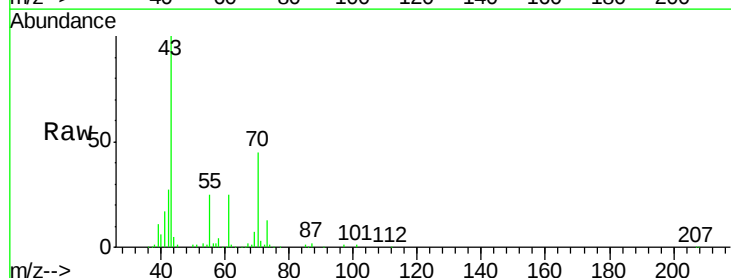
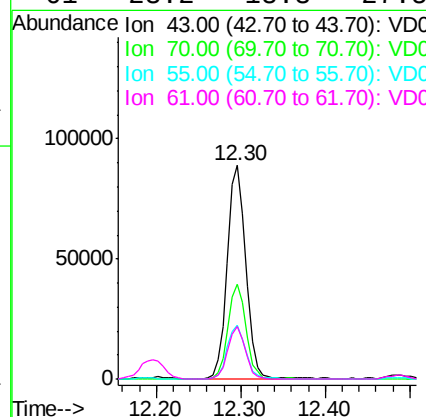
Manual Integrations
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#74
N-ethyl acetate
Concen: 41.814 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	135670		
70	43.0		33.4	50.0
55	25.2		19.4	29.0
61	23.2		18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.796 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

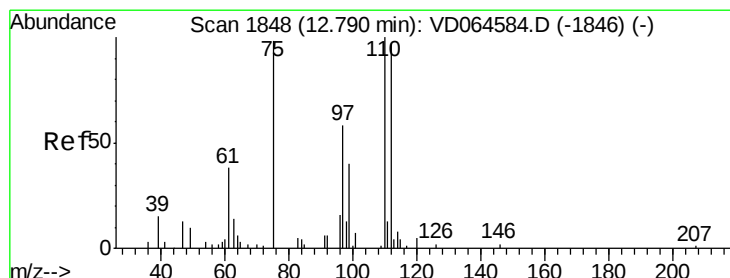
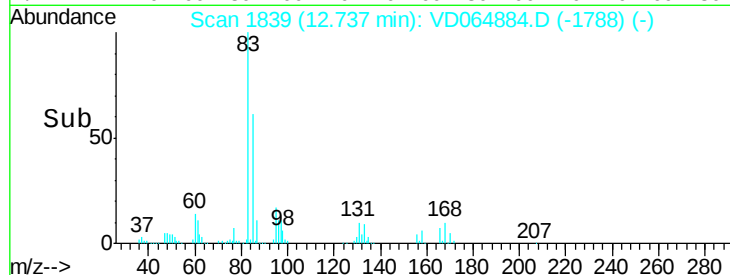
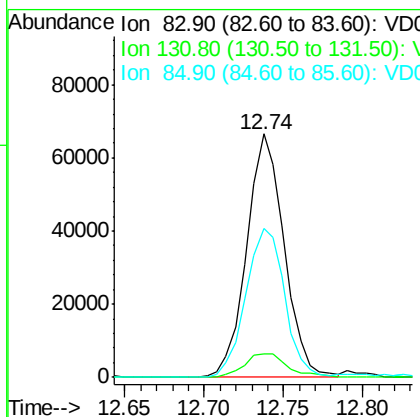
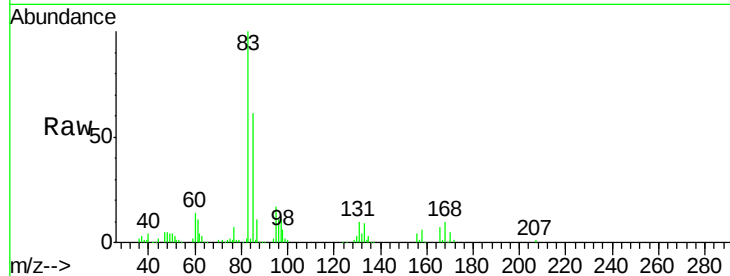
ClientSampleId :

EP-3MSD

Tot Ion:	83	Resp:	109195
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.8	17.4
85	63.6	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.242 ug/l m

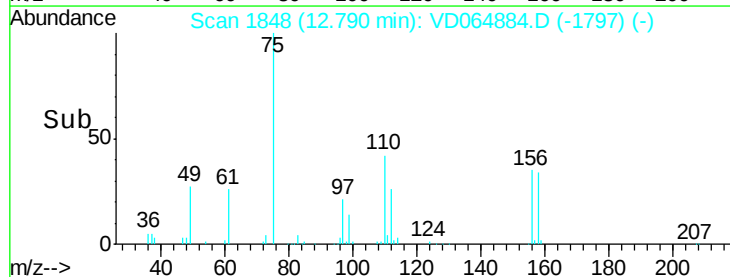
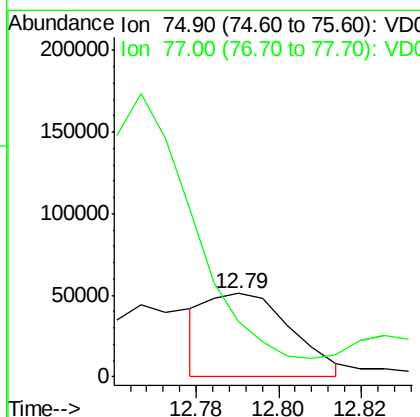
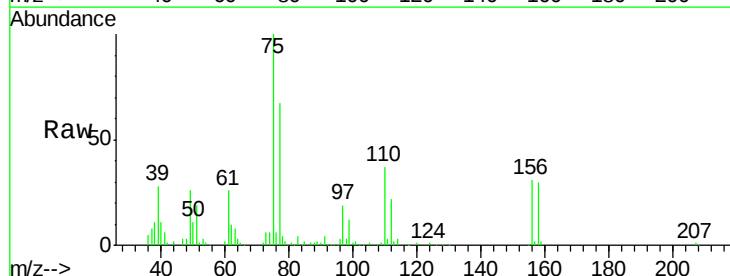
RT: 12.79 min Scan# 1848

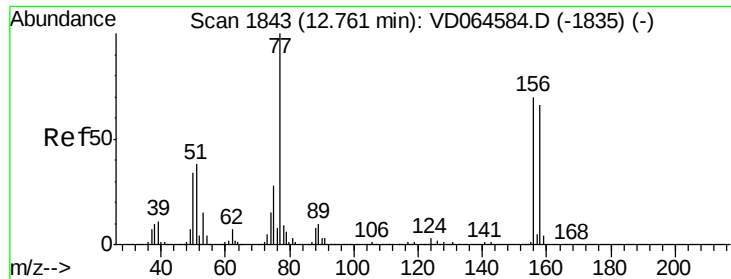
Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion:	75	Resp:	72527
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.147 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

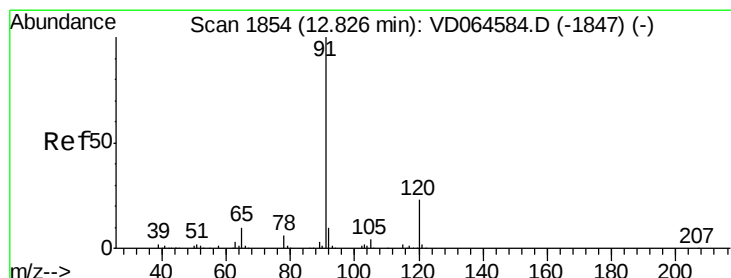
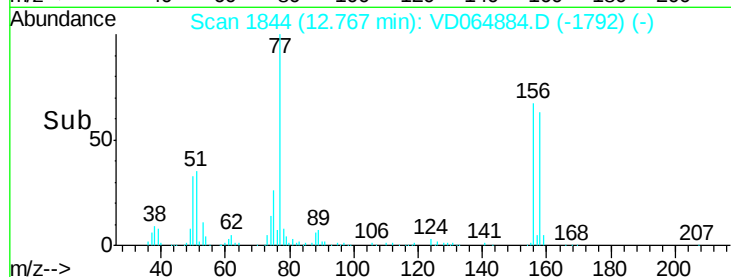
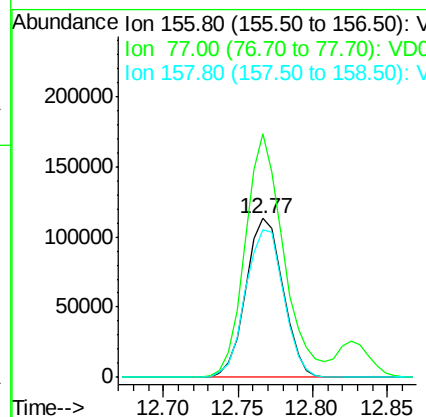
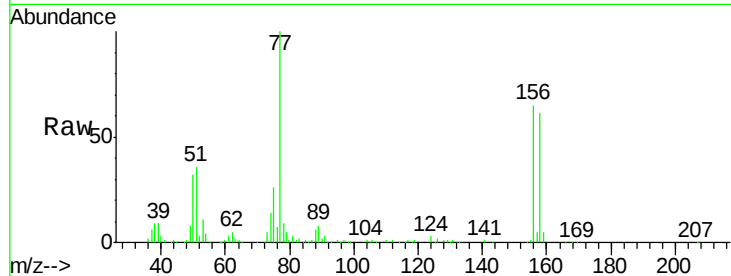
ClientSampleId :

EP-3MSD

Tot Ion	Ratio	Lower	Upper
156	100		
77	158.6	80.9	242.7
158	96.4	48.0	144.2

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#78

n-propylbenzene

Concen: 56.554 ug/l

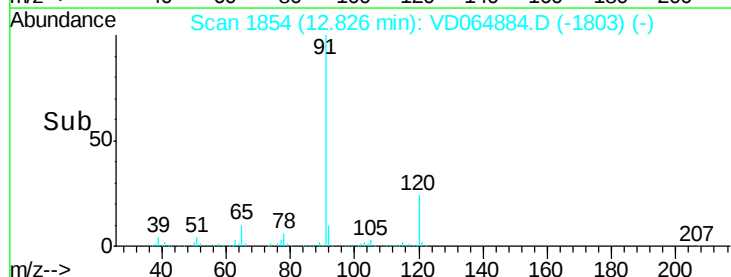
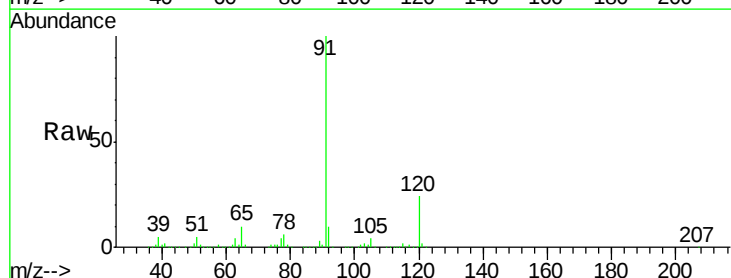
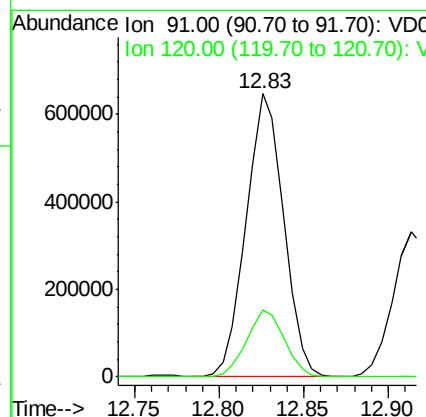
RT: 12.83 min Scan# 1854

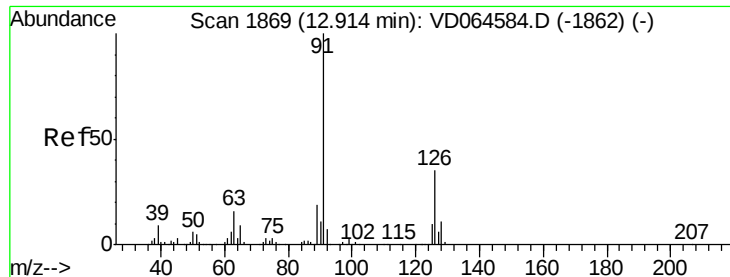
Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 56.306 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 91 Resp: 547712

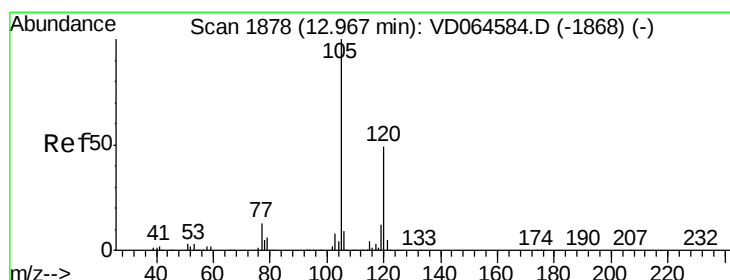
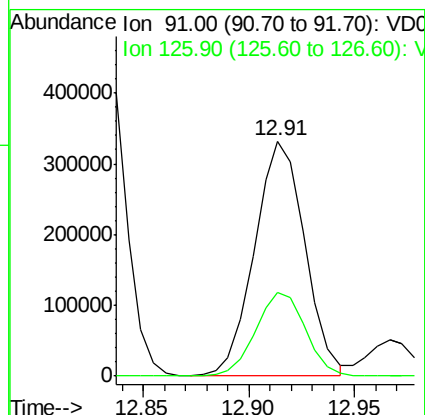
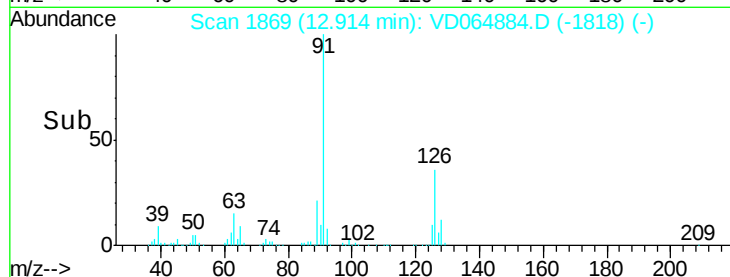
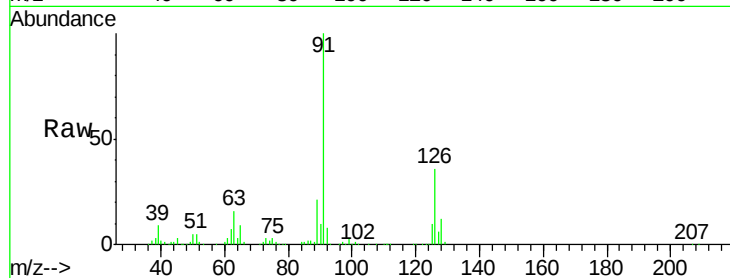
Ion Ratio Lower Upper

91 100

126 35.6 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 56.102 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064884.D

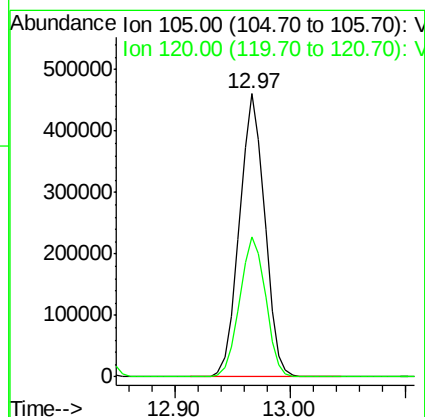
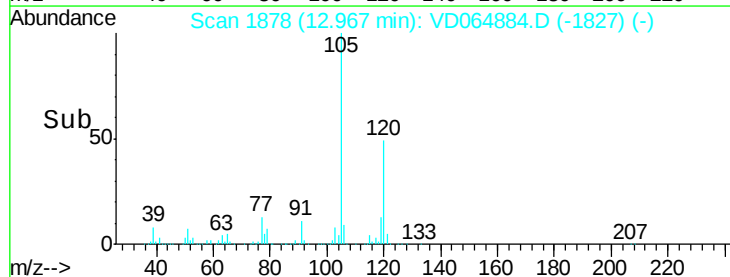
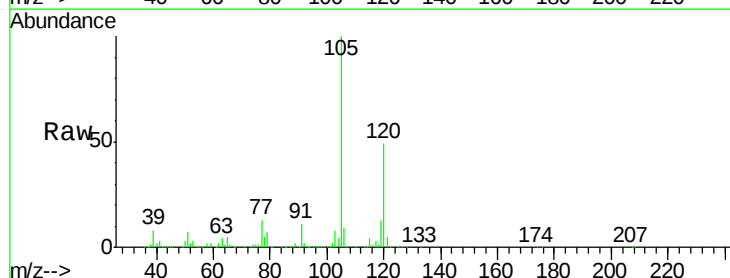
Acq: 20 Jan 2020 12:14

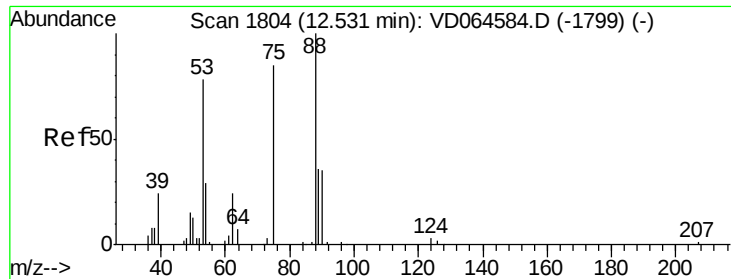
Tgt Ion:105 Resp: 699509

Ion Ratio Lower Upper

105 100

120 50.6 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 44.245 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Instrument :

MSVOA_D

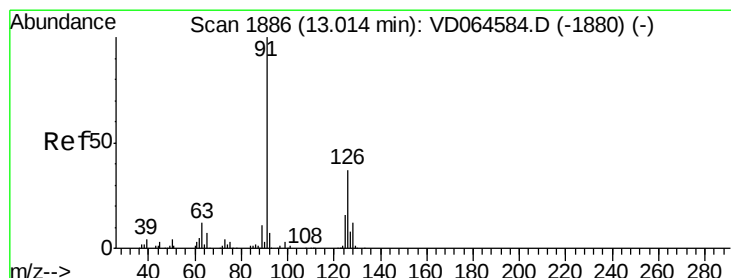
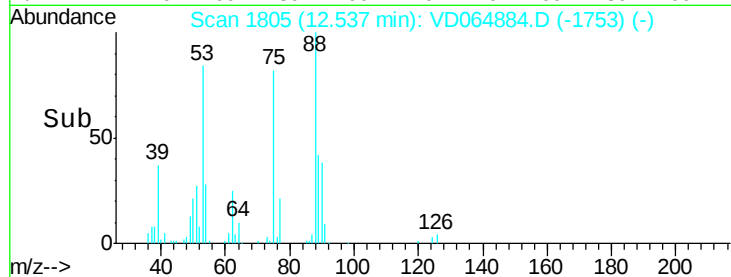
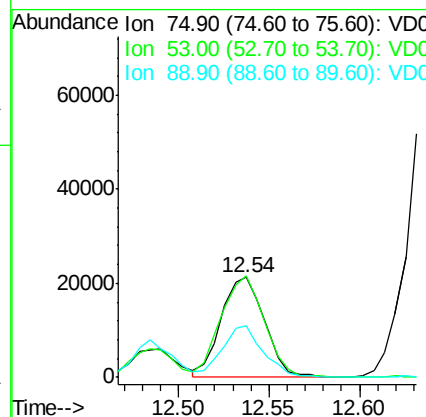
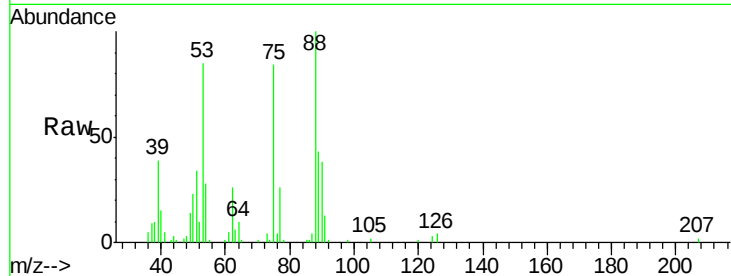
ClientSampleId :

EP-3MSD

Tot Ion:	75	Resp:	35482
Ion Ratio	Lower	Upper	
75	100		
53	101.3	78.8	118.2
89	48.2	38.3	57.5

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#82

4-Chlorotoluene

Concen: 56.372 ug/l

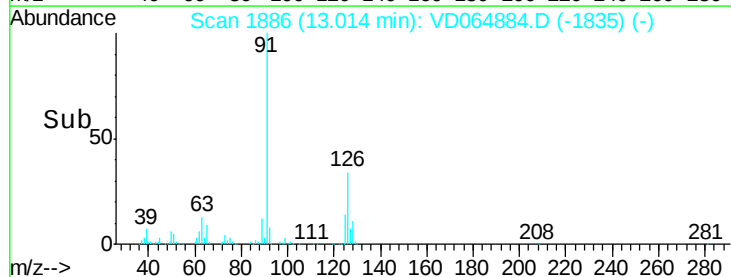
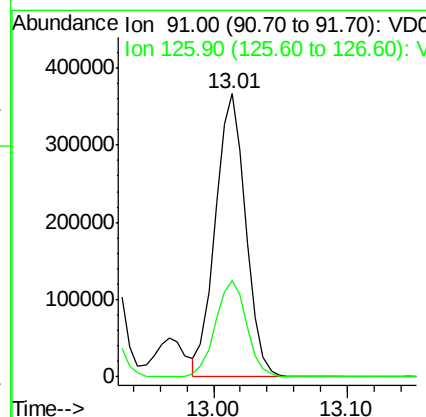
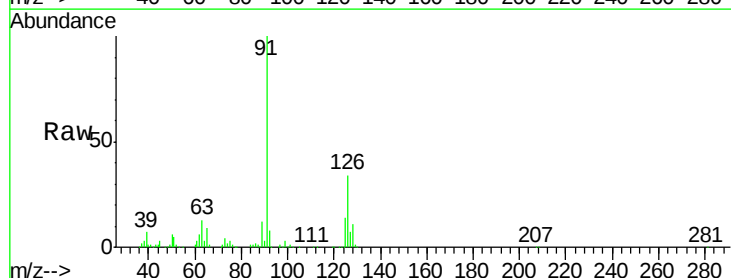
RT: 13.01 min Scan# 1886

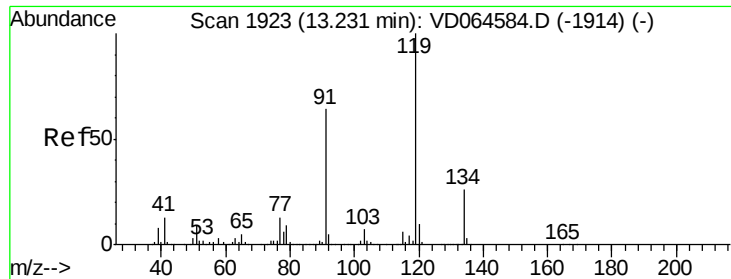
Delta R.T. 0.00 min

Lab File: VD064884.D

Acq: 20 Jan 2020 12:14

Tgt Ion:	91	Resp:	583560
Ion Ratio	Lower	Upper	
91	100		
126	35.0	17.8	53.5





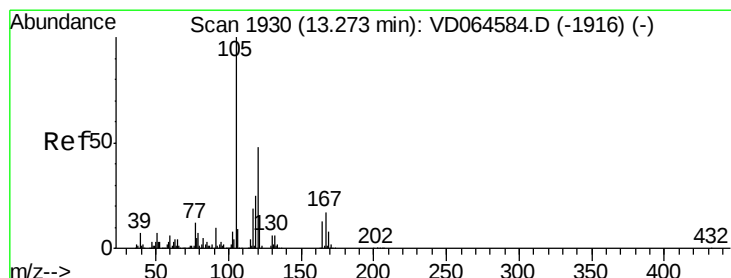
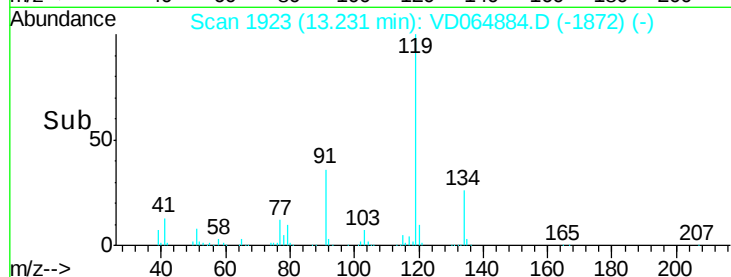
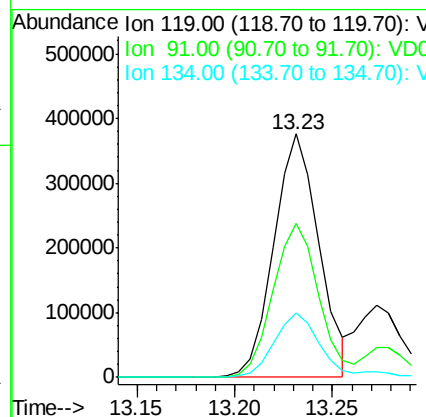
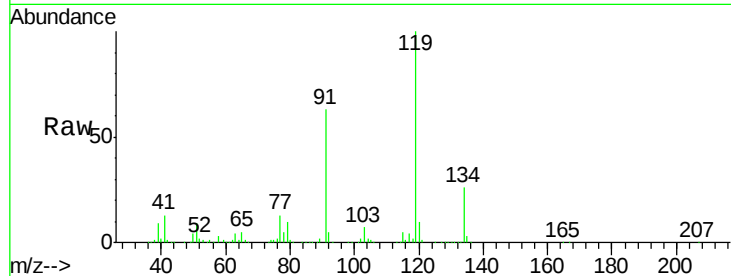
#83
tert-Butylbenzene
Concen: 55.426 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.4	30.8	92.4
134	28.0	12.8	38.3

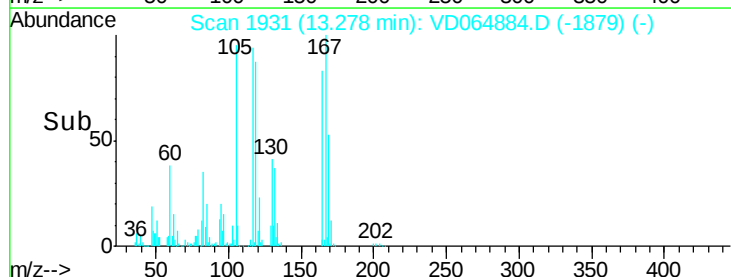
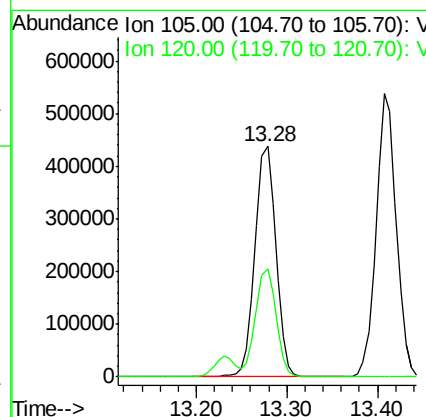
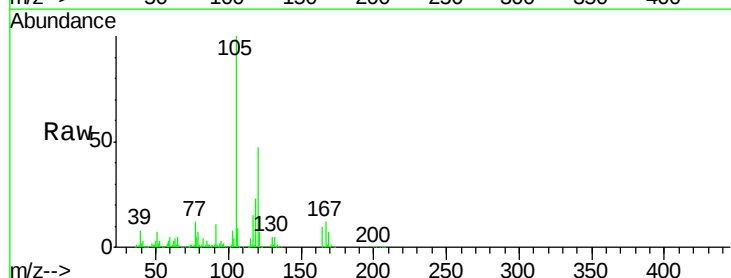
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#84
1,2,4-Trimethylbenzene
Concen: 56.549 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.8	71.2





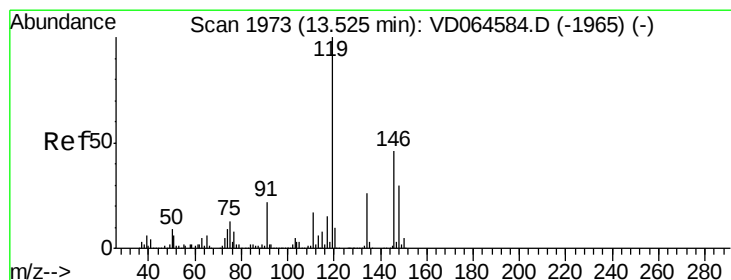
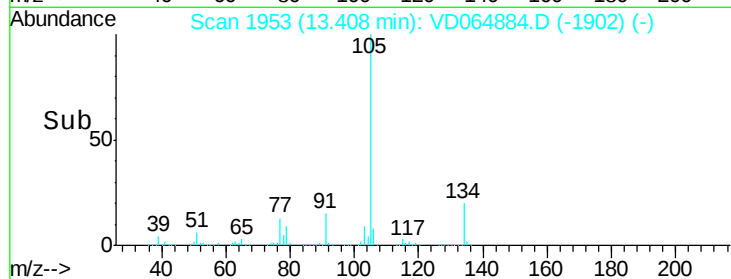
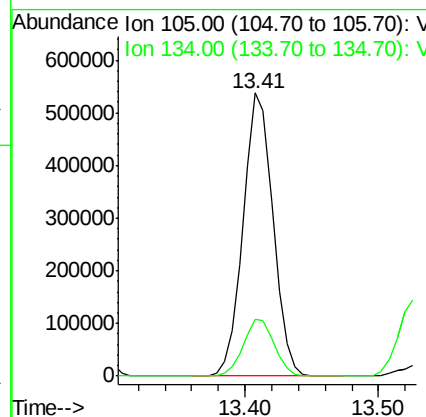
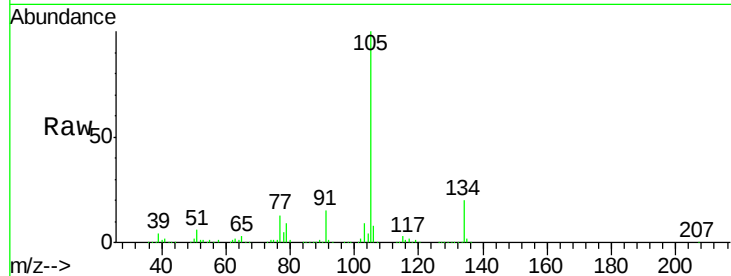
#85
 sec-Butylbenzene
 Concen: 55.971 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.6	31.8

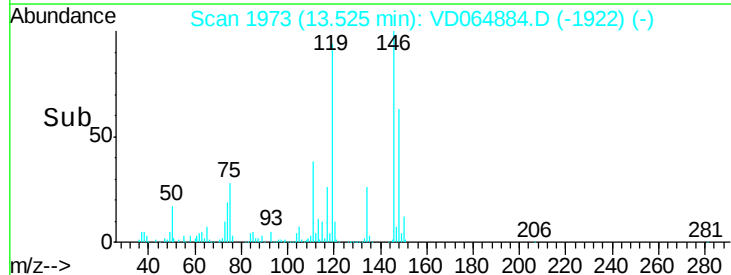
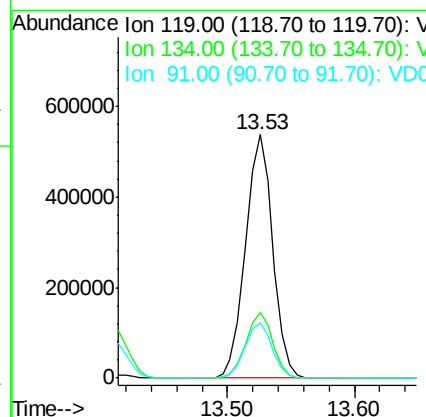
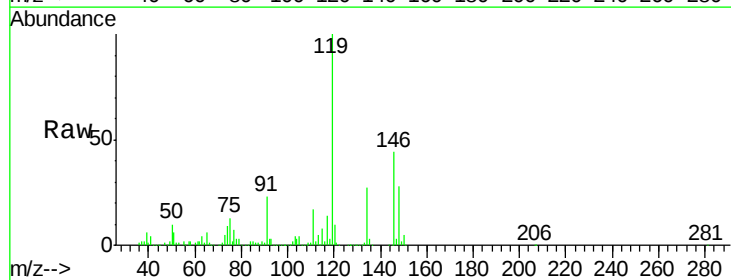
Manual Integrations
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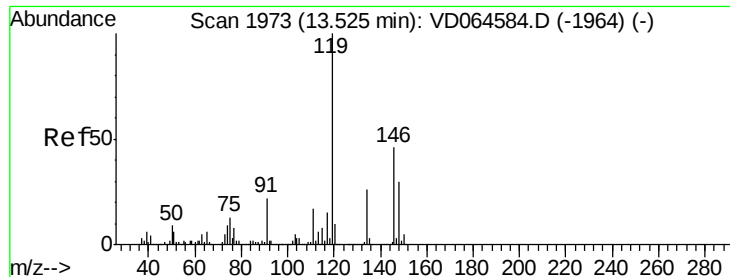
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#86
 p-Isopropyltoluene
 Concen: 56.106 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	22.9	11.2	33.6





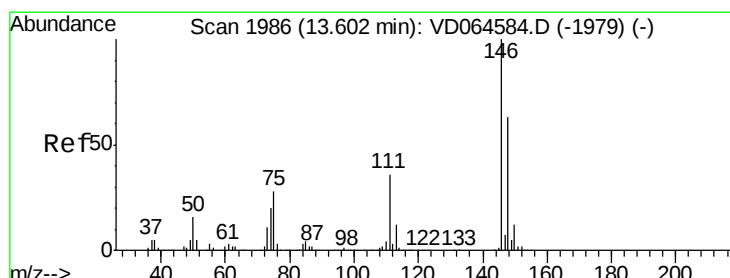
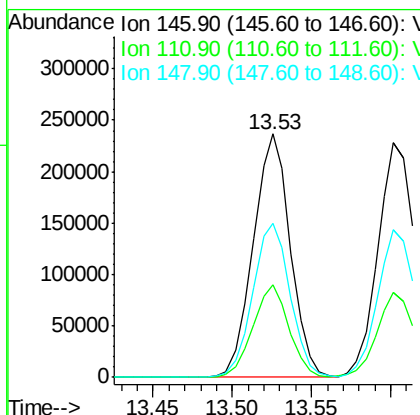
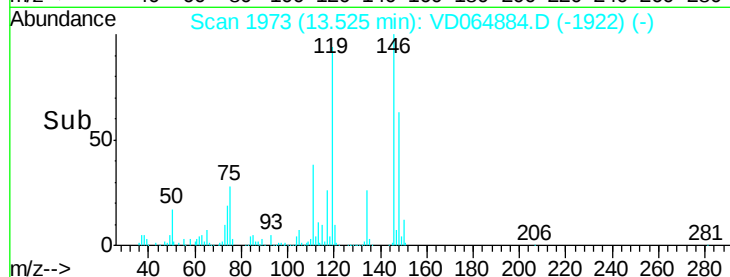
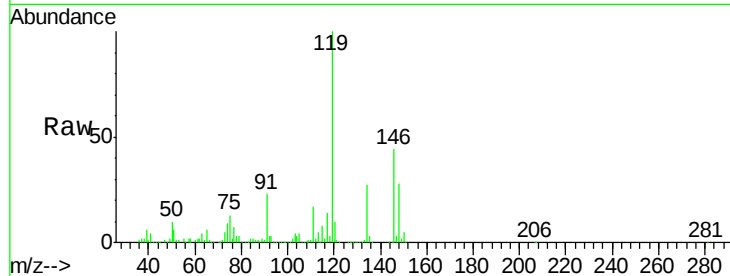
#87
 1,3-Dichlorobenzene
 Concen: 54.034 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	63.9	32.5	97.5

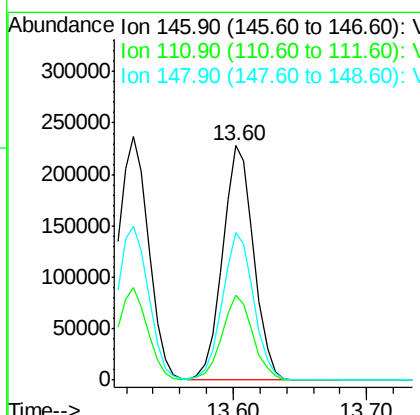
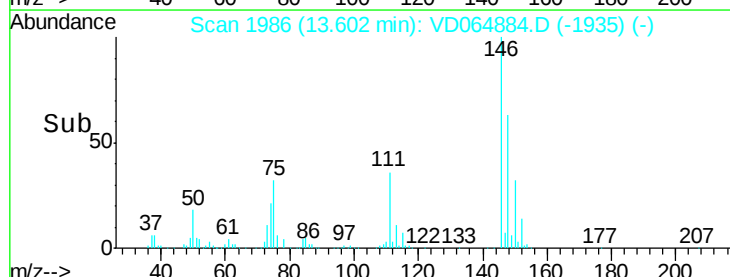
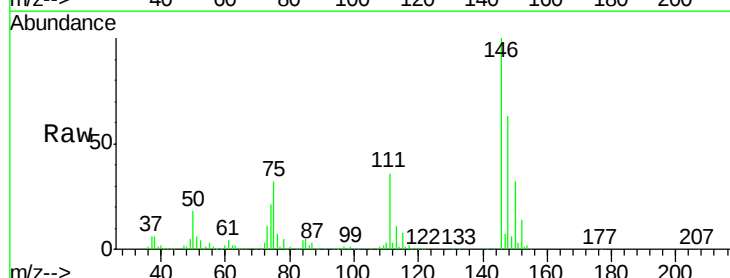
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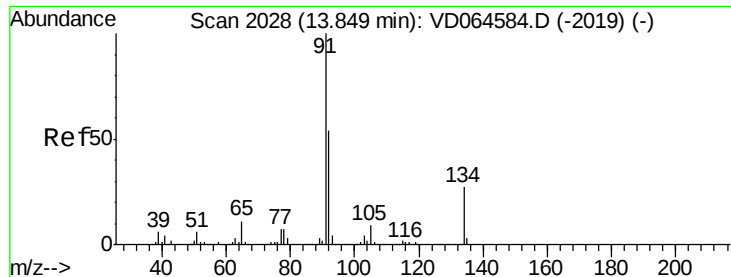
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#88
 1,4-Dichlorobenzene
 Concen: 53.045 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	18.1	54.1
148	63.3	32.3	96.9





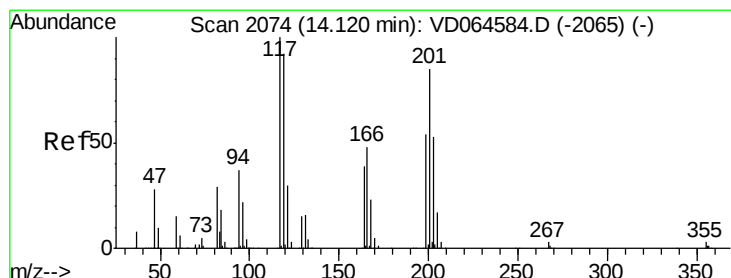
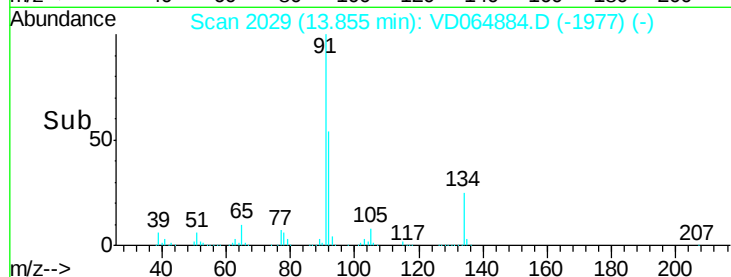
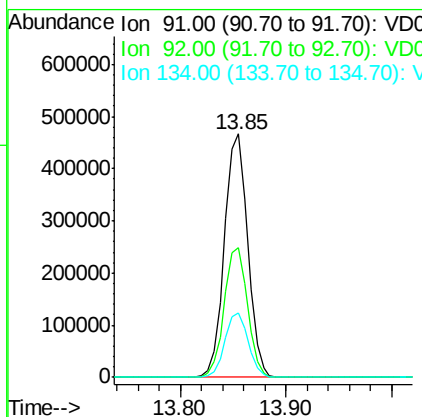
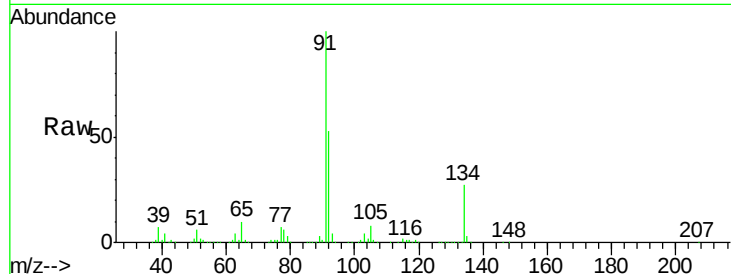
#89
n-Butylbenzene
Concen: 55.560 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.4
134	26.7	14.0	41.9

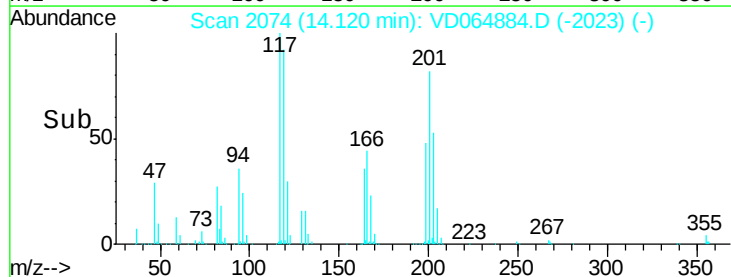
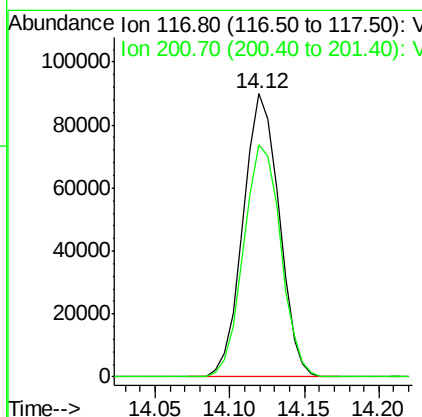
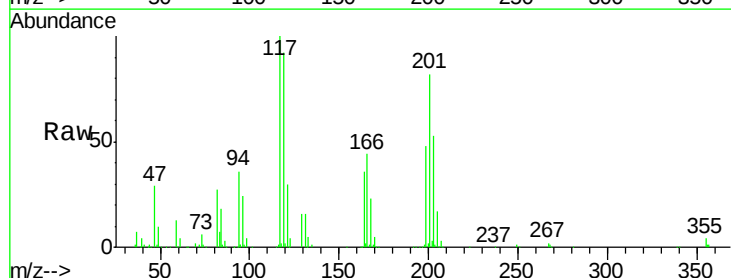
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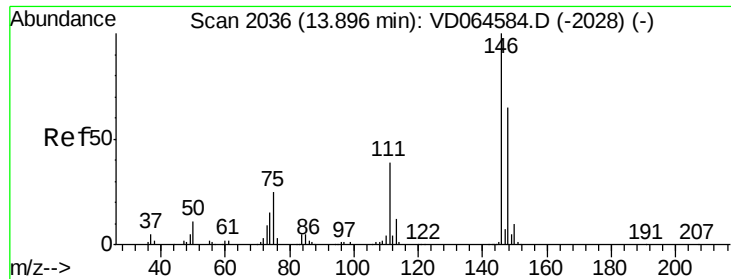
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#90
Hexachloroethane
Concen: 55.517 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.4	44.0	131.8





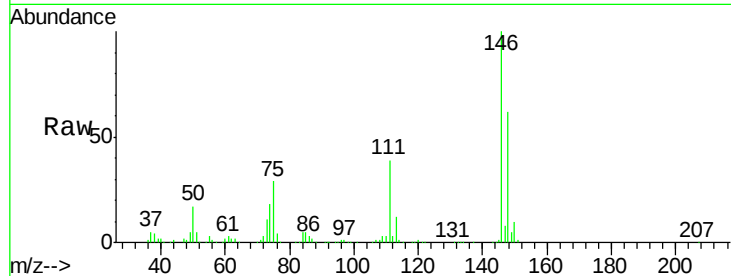
#91
 1,2-Dichlorobenzene
 Concen: 52.245 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MSD

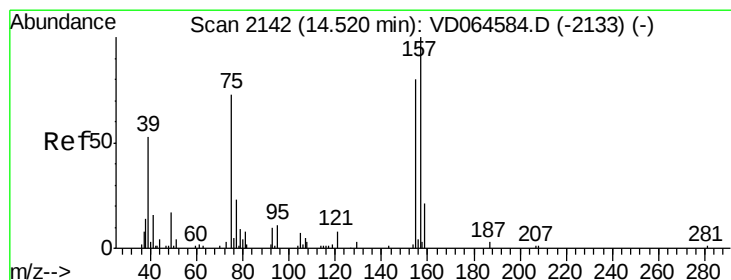
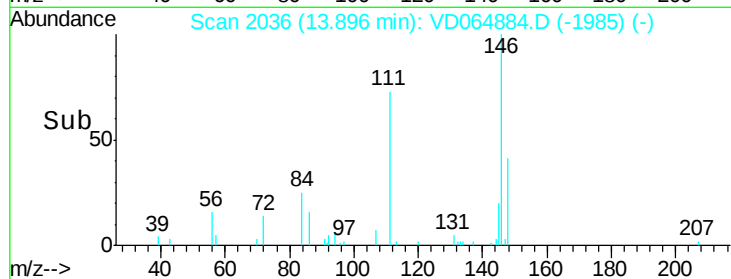
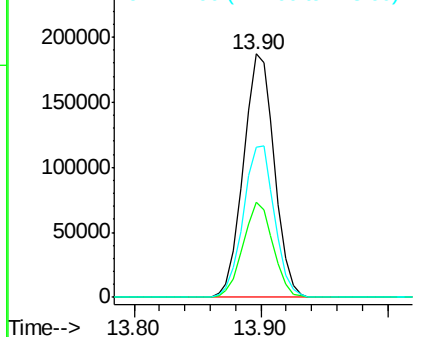
Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	62.9	31.9	95.5

Manual Integrations
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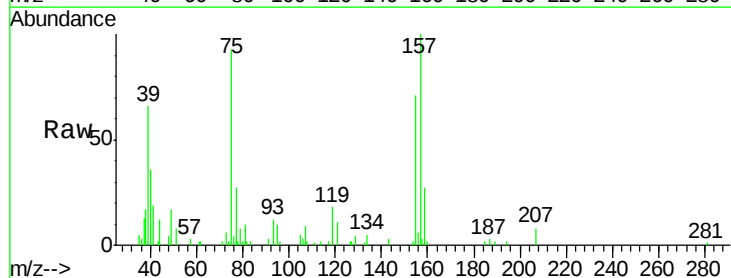


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

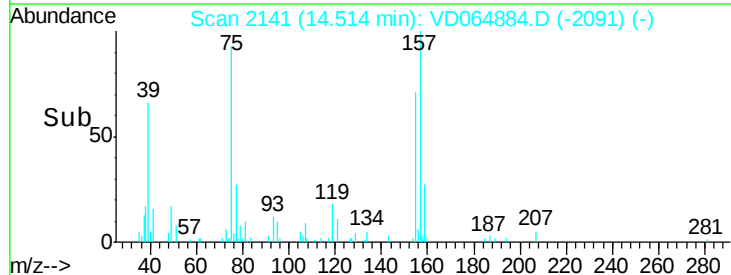
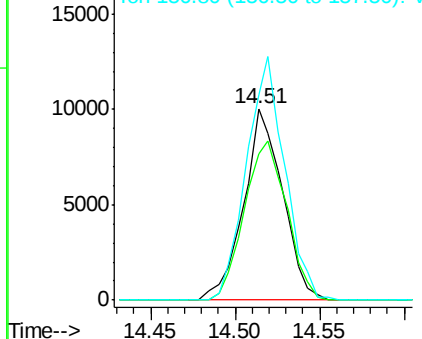


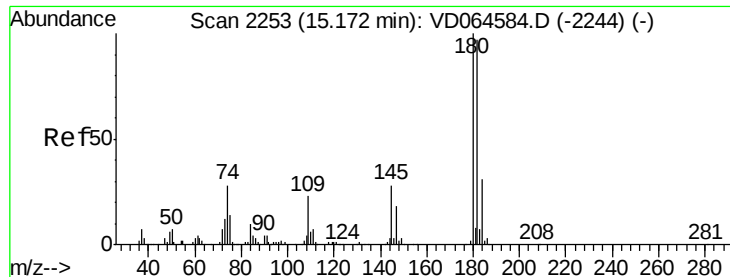
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 41.522 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.7	48.0	144.0
157	125.9	64.1	192.3



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





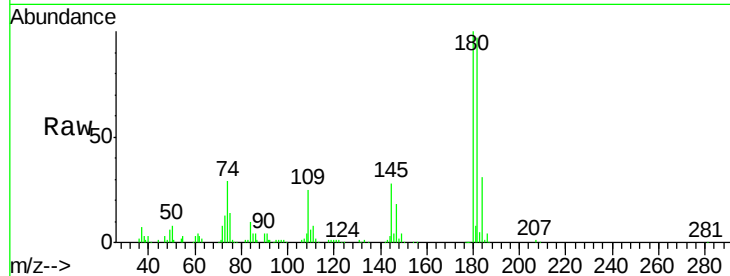
#93
 1,2,4-Trichlorobenzene
 Concen: 49.258 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

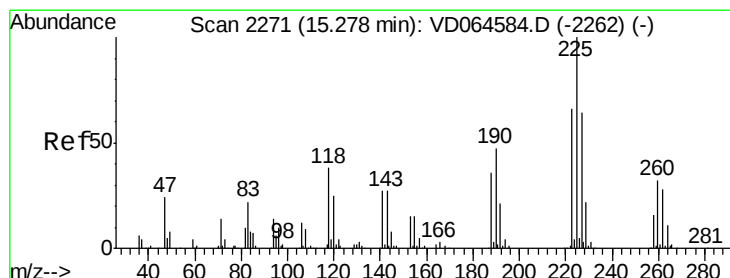
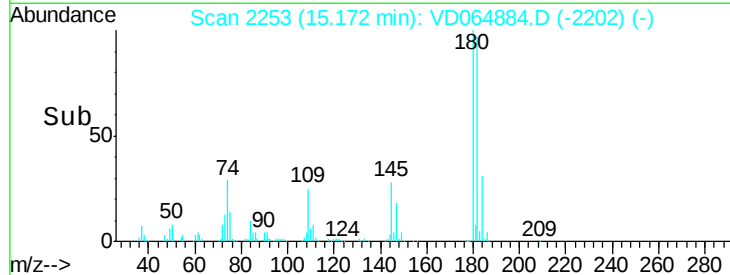
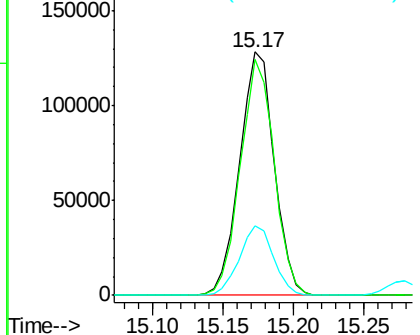
Tot Ion	Ratio	Resp	Lower	Upper
180	100	219885		
182	94.9	48.0	144.2	
145	28.3	13.8	41.4	

Manual Integrations
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MMDadoda
 1/21/2020 9:23:28 AM

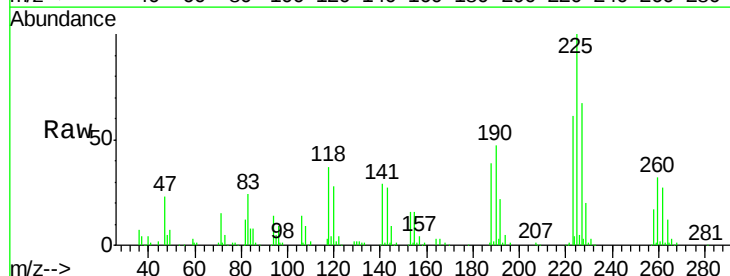


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

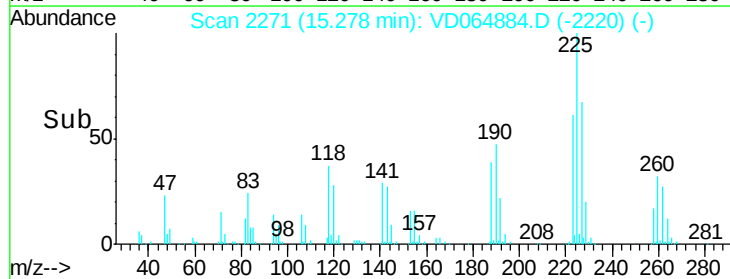
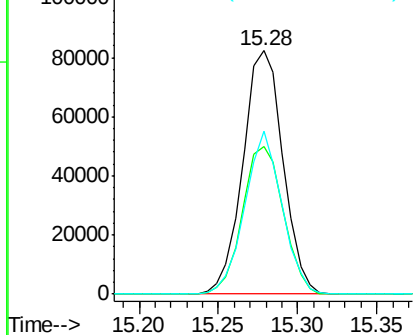


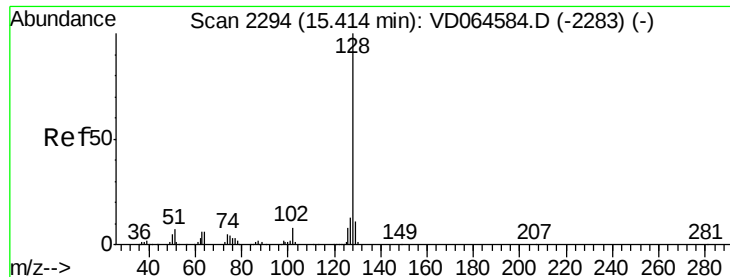
#94
 Hexachlorobutadiene
 Concen: 51.586 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064884.D
 Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	144908		
223	62.1	31.1	93.2	
227	62.0	30.9	92.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





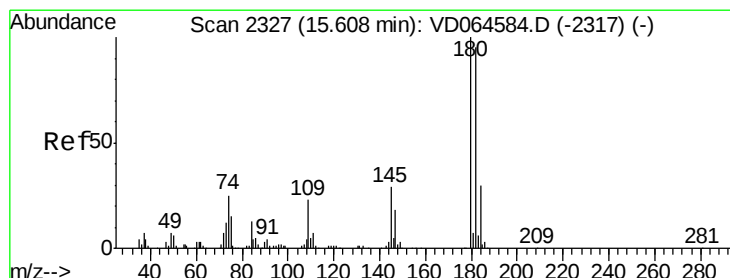
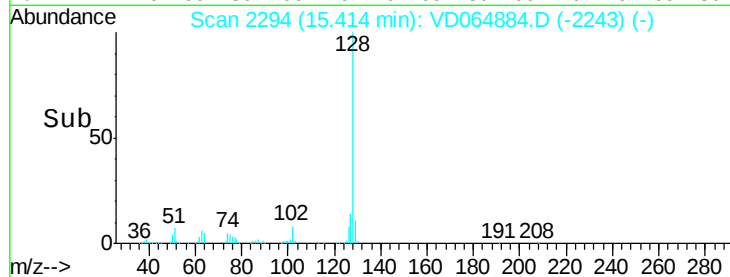
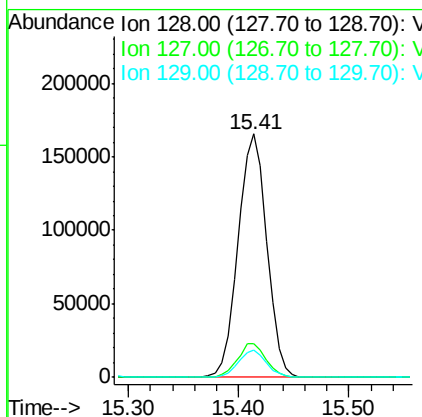
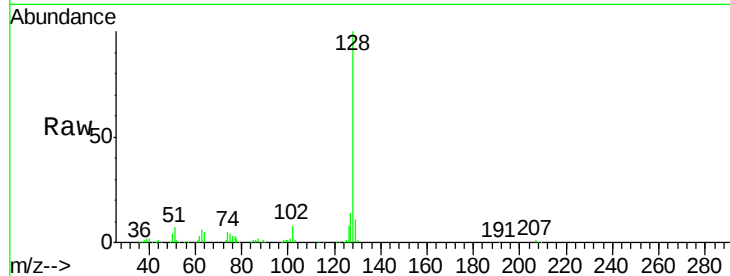
#95
Naphthalene
Concen: 42.898 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
128	100	302944		
127	14.1		10.3	15.5
129	10.8		8.5	12.7

Manual Integrations
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1/21/2020 9:23:28 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.025 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064884.D
Acq: 20 Jan 2020 12:14

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	179206		
182	95.8		47.9	143.7
145	29.4		14.9	44.7

