

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011720\
 Data File : VD064860.D
 Acq On : 17 Jan 2020 13:51
 Operator : VA/SY
 Sample : L1176-05MSD
 Misc : 4.72G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Manual Integrations
 APPROVED

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

Quant Time: Jan 17 23:35:46 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	369508	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	535588	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	478082	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	238135	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	165743	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
35) Dibromofluoromethane	7.92	113	163371	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
50) Toluene-d8	10.34	98	595446	47.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.64	95	188500	47.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114094	39.732	ug/l	96
3) Chloromethane	2.21	50	172953	43.065	ug/l	99
4) Vinyl Chloride	2.35	62	205311	41.928	ug/l	98
5) Bromomethane	2.77	94	143927	40.424	ug/l	91
6) Chloroethane	2.93	64	137911	42.032	ug/l	98
7) Trichlorofluoromethane	3.27	101	342191	41.503	ug/l	100
8) Diethyl Ether	3.71	74	78024	47.655	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	163090	47.762	ug/l	97
10) Methyl Iodide	4.30	142	177509	48.396	ug/l	98
11) Tert butyl alcohol	5.25	59	53894	288.615	ug/l	95
12) 1,1-Dichloroethene	4.06	96	149019	45.840	ug/l	98
14) Allvl chloride	4.71	41	255677	50.444	ug/l	99
15) Acrylonitrile	5.43	53	176424	258.693	ug/l	99
16) Acetone	4.17	43	220747	334.242	ug/l	92
17) Carbon Disulfide	4.40	76	426134	40.539	ug/l	98
18) Methyl Acetate	4.73	43	109554	59.723	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	378823	52.464	ug/l	94
20) Methylene Chloride	4.97	84	172535	51.968	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	177092	47.834	ug/l	97
22) Diisopropyl ether	6.37	45	536278	53.046	ug/l	96
23) Vinyl Acetate	6.31	43	1402861	244.623	ug/l	100
24) 1,1-Dichloroethane	6.27	63	309451	50.988	ug/l	96
25) 2-Butanone	7.22	43	244501	272.996	ug/l	99
26) 2,2-Dichloropropane	7.21	77	288974	51.211	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	198773	49.748	ug/l	98
28) Bromochloromethane	7.56	49	123359	52.287	ug/l	97
29) Tetrahydrofuran	7.57	42	140434	252.141	ug/l	99
30) Chloroform	7.72	83	329818	51.797	ug/l	99
31) Cyclohexane	7.98	56	264388	43.519	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	303242	50.703	ug/l	99
36) 1,1-Dichloropropene	8.11	75	245810	47.684	ug/l	99
37) Ethyl Acetate	7.30	43	102900	50.811	ug/l	99
38) Carbon Tetrachloride	8.10	117	270683	49.244	ug/l	99
39) Methylcyclohexane	9.36	83	279395	44.749	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.36	78	701076	49.818	ug/l	98
41) Methacrylonitrile	7.53	41	56304	47.918	ug/l	91
42) 1,2-Dichloroethane	8.43	62	210578	51.782	ug/l	99
43) Isopropyl Acetate	8.46	43	199857	49.581	ug/l	99
44) Trichloroethene	9.11	130	201066	48.636	ug/l	95
45) 1,2-Dichloropropane	9.39	63	176174	52.432	ug/l	98
46) Dibromomethane	9.48	93	92848	49.563	ug/l	97
47) Bromodichloromethane	9.67	83	254291	51.013	ug/l	99
48) Methyl methacrylate	9.46	41	95677	50.410	ug/l	94
49) 1,4-Dioxane	9.47	88	21084	976.076	ug/l	98
51) 4-Methyl-2-Pentanone	10.24	43	522548	262.272	ug/l	100
52) Toluene	10.41	92	469937	50.899	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	239414	51.515	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	282112	51.480	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	126566	50.133	ug/l	97
56) Ethyl methacrylate	10.67	69	159359	50.543	ug/l	99
57) 1,3-Dichloropropane	10.95	76	221977	51.065	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	296620	246.927	ug/l	98
59) 2-Hexanone	10.99	43	384618	284.423	ug/l	99
60) Dibromochloromethane	11.14	129	176279	50.492	ug/l	100
61) 1,2-Dibromoethane	11.25	107	124031	49.810	ug/l	99
64) Tetrachloroethene	10.88	164	168547	45.954	ug/l	98
65) Chlorobenzene	11.68	112	482575	48.634	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	193415	51.706	ug/l	97
67) Ethyl Benzene	11.75	91	878493	48.778	ug/l	99
68) m/p-Xylenes	11.86	106	674682	97.056	ug/l	98
69) o-Xylene	12.18	106	303968	48.411	ug/l	97
70) Stvrene	12.20	104	546259	49.564	ug/l	99
71) Bromoform	12.37	173	104228	48.860	ug/l #	98
73) Isopropylbenzene	12.48	105	837416	49.209	ug/l	100
74) N-amyl acetate	12.30	43	179143	49.245	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	134904	50.463	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	91695m	48.762	ug/l	
77) Bromobenzene	12.77	156	205924	49.247	ug/l	100
78) n-propylbenzene	12.83	91	983431	49.535	ug/l	100
79) 2-Chlorotoluene	12.91	91	541461	49.647	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	686737	49.126	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	46814	52.067	ug/l	97
82) 4-Chlorotoluene	13.01	91	580423	50.009	ug/l	99
83) tert-Butylbenzene	13.23	119	587547	48.408	ug/l	95
84) 1,2,4-Trimethylbenzene	13.27	105	696739	50.045	ug/l	98
85) sec-Butylbenzene	13.41	105	819611	49.256	ug/l	99
86) p-Isopropyltoluene	13.53	119	783474	49.242	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	396642	49.759	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	383711	49.000	ug/l	99
89) n-Butylbenzene	13.86	91	708189	49.426	ug/l	99
90) Hexachloroethane	14.12	117	150091	49.384	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	335658	49.382	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	21618	49.883	ug/l	93
93) 1,2,4-Trichlorobenzene	15.17	180	236937	47.341	ug/l	99

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.28	225	144010	45.726	ug/l	98
95) Naphthalene	15.41	128	391767	49.480	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	207189	48.492	ug/l	99

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

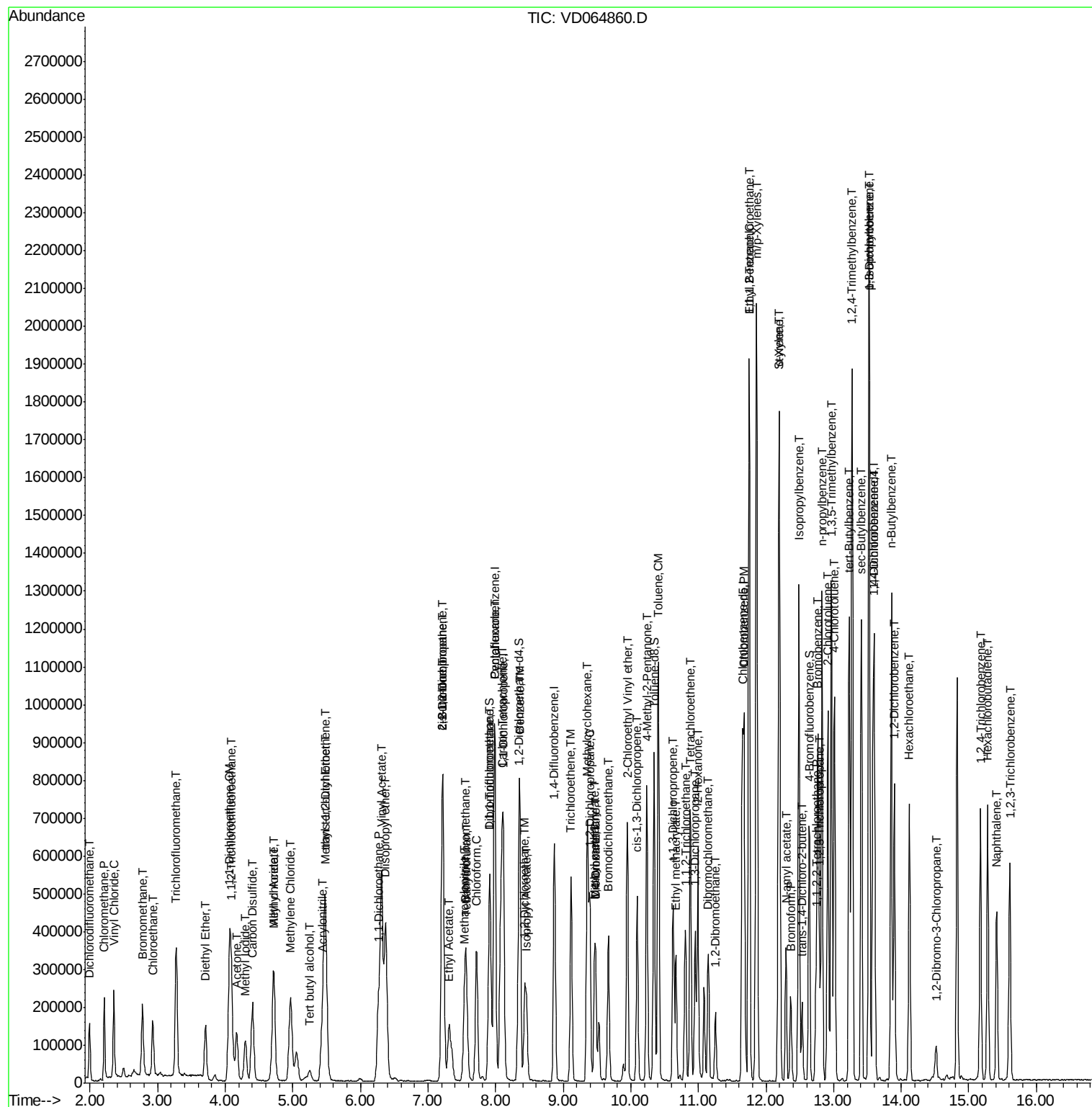
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD011720\
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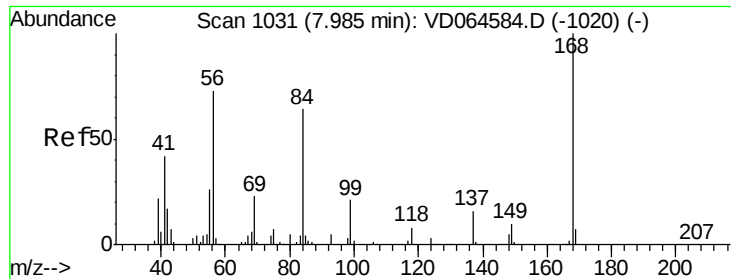
Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

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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: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampled :

EP-3MSD

Tot Ion:168 Resp: 369508

Ion Ratio Lower Upper

168 100

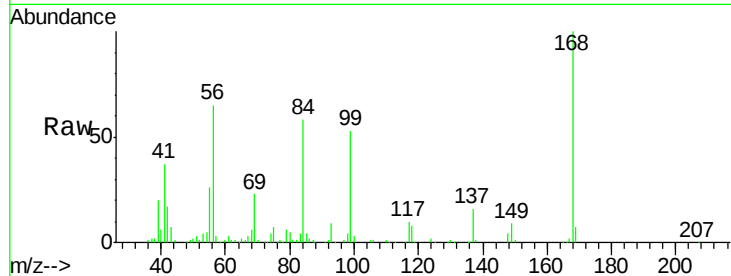
99 53.3 41.8 62.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

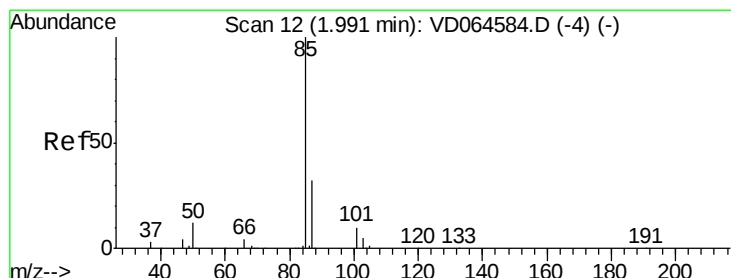
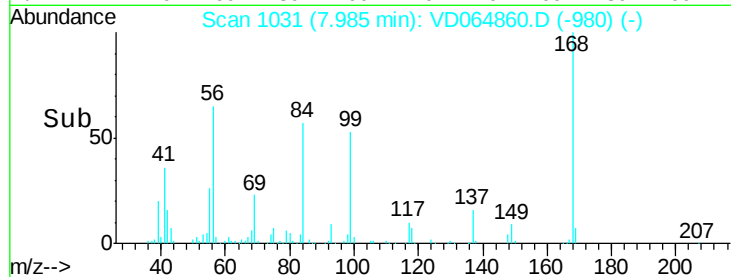
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.732 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064860.D

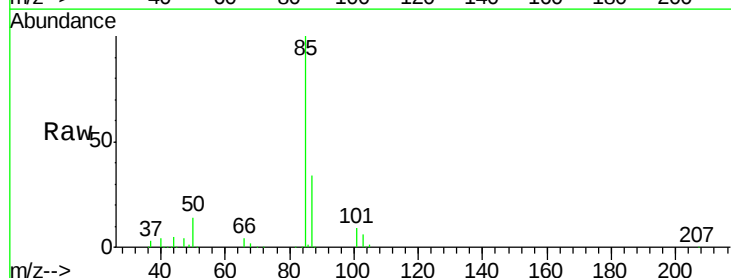
Acq: 17 Jan 2020 13:51

Tgt Ion: 85 Resp: 114094

Ion Ratio Lower Upper

85 100

87 34.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

80000

60000

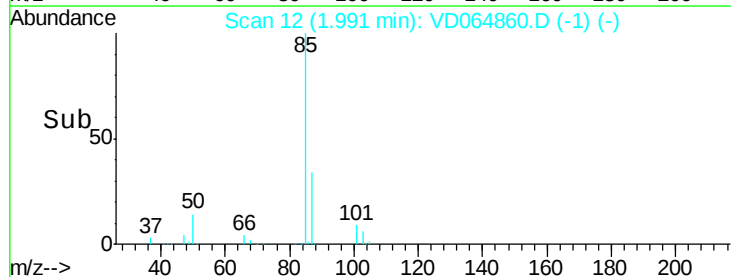
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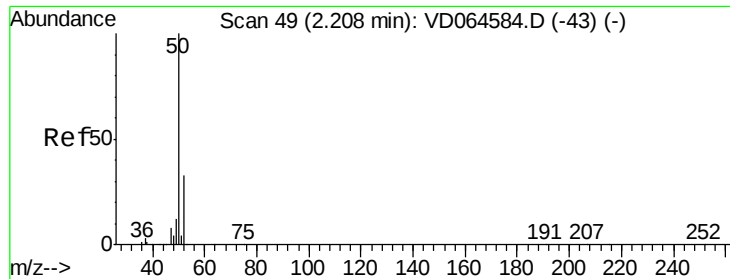
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.065 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 50 Resp: 172953

Ion Ratio Lower Upper

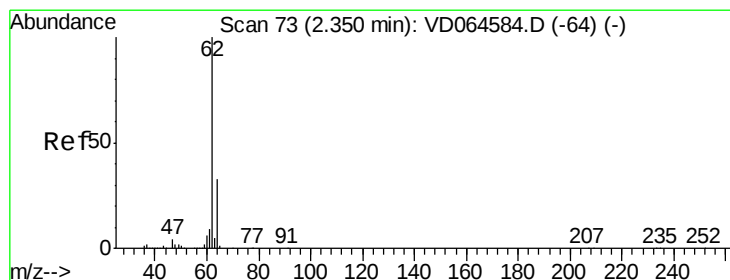
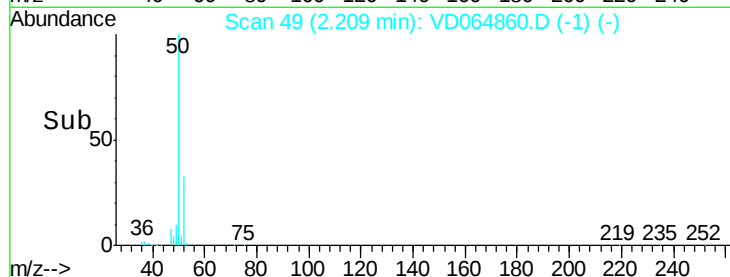
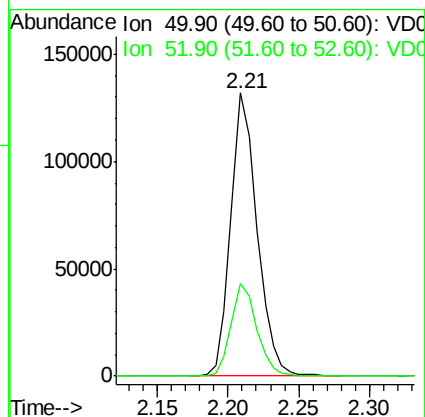
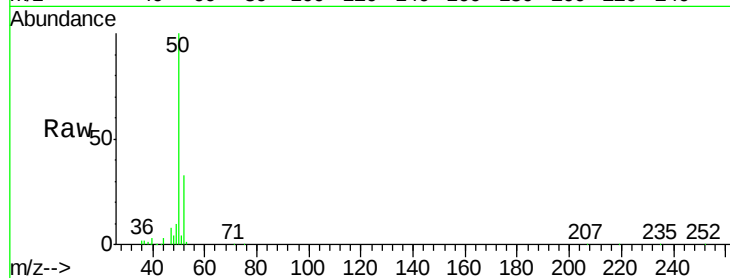
50 100

52 32.8 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 41.928 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064860.D

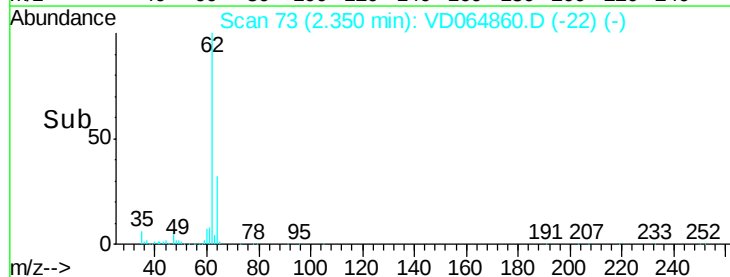
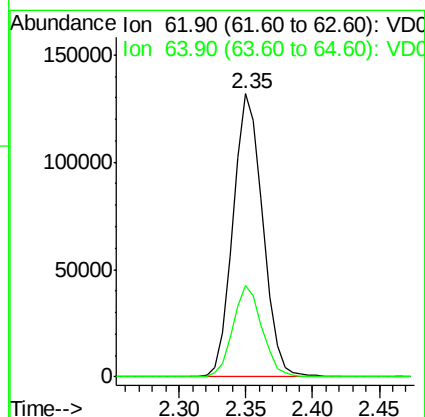
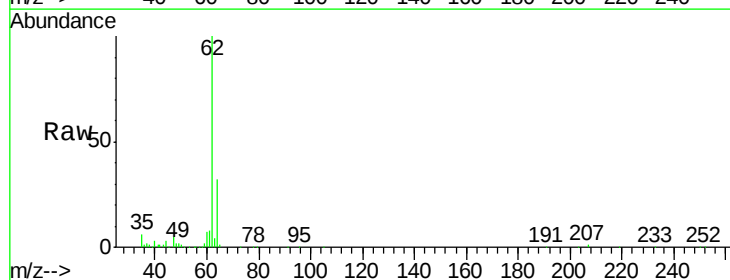
Acq: 17 Jan 2020 13:51

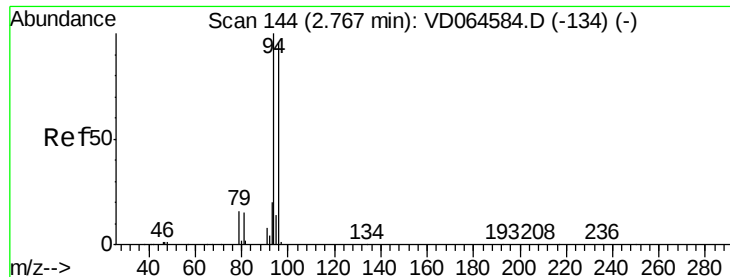
Tgt Ion: 62 Resp: 205311

Ion Ratio Lower Upper

62 100

64 32.3 26.6 40.0





#5

Bromomethane

Concen: 40.424 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

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ClientSampleId :

EP-3MSD

Tot Ion: 94 Resp: 143927

Ion Ratio Lower Upper

94 100

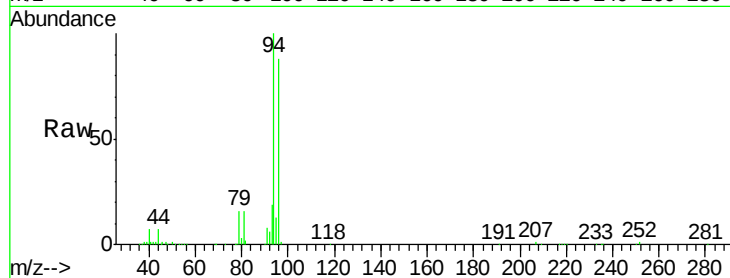
96 87.3 77.2 115.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

80000

60000

40000

20000

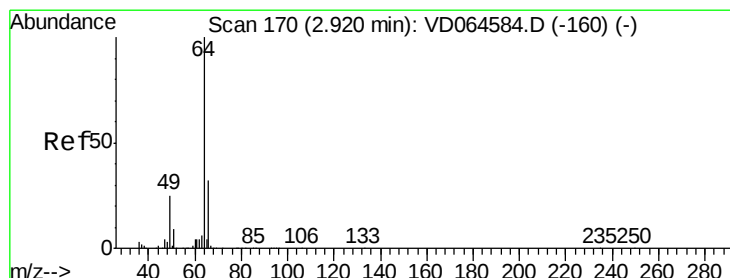
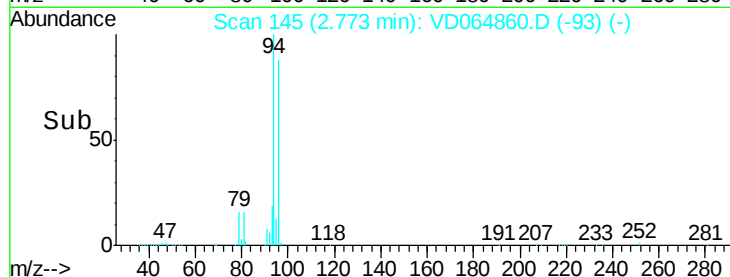
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Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 42.032 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064860.D

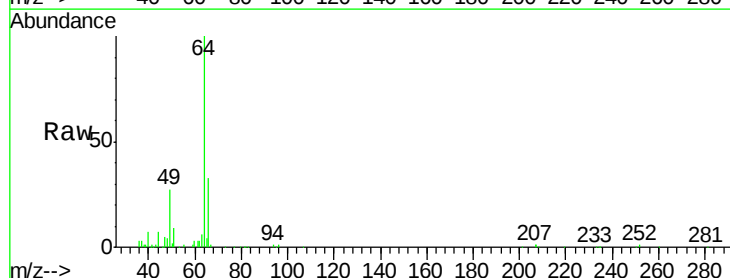
Acq: 17 Jan 2020 13:51

Tgt Ion: 64 Resp: 137911

Ion Ratio Lower Upper

64 100

66 33.3 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

80000

60000

40000

20000

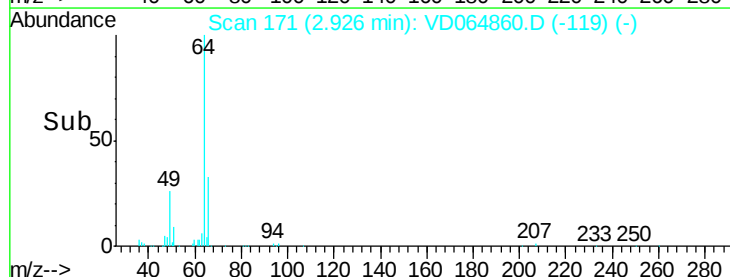
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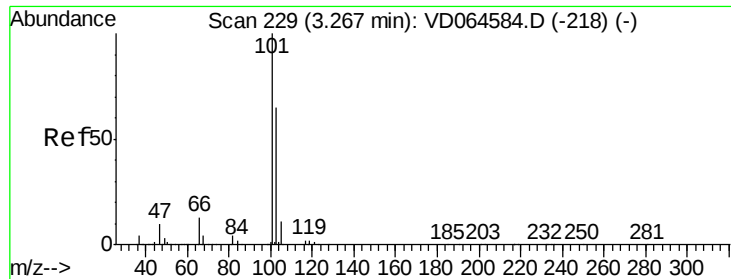
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2.80

2.90

3.00





#7

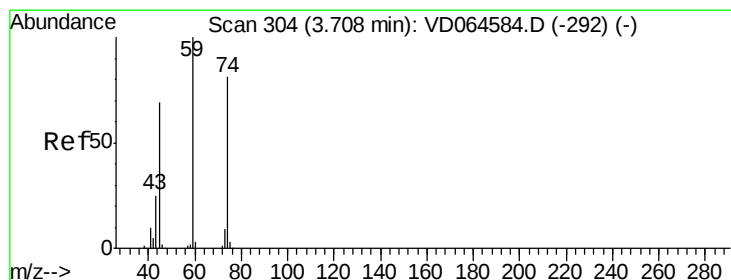
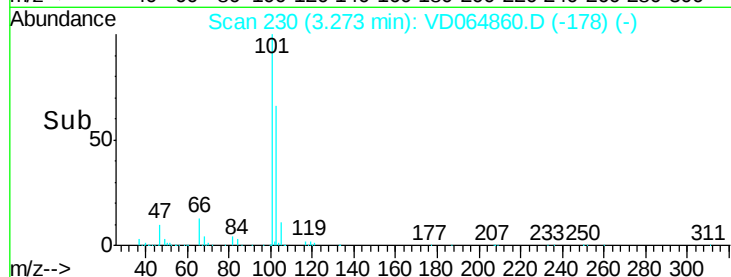
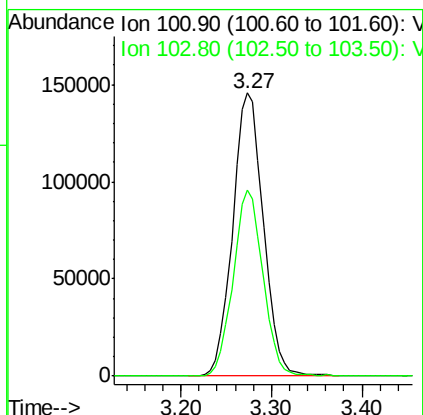
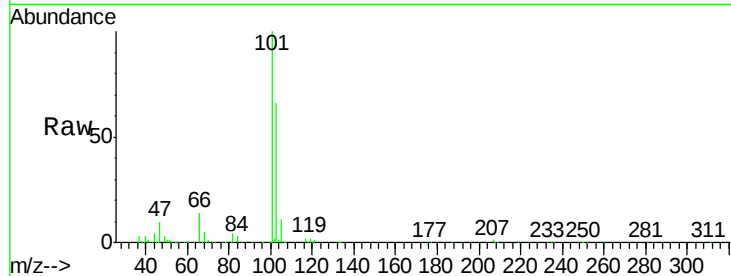
Trichlorofluoromethane
 Concen: 41.503 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	52.2	78.4

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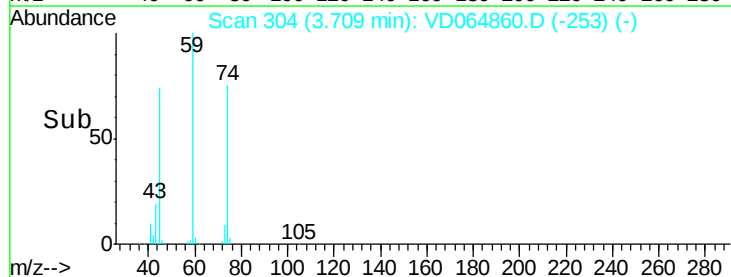
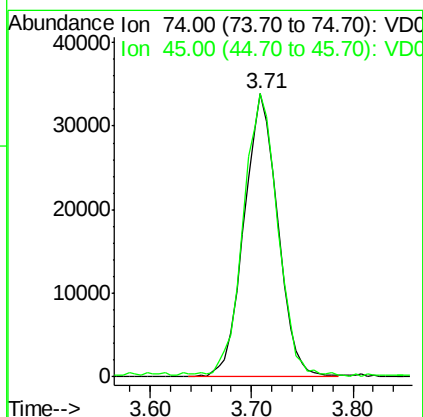
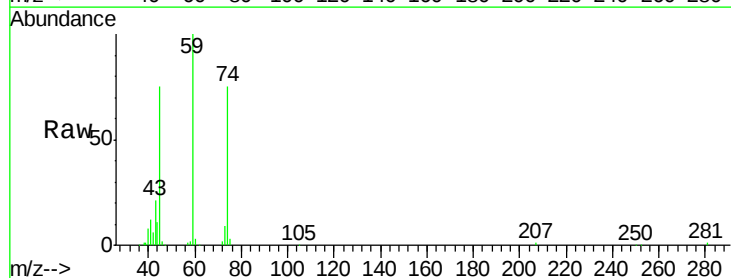
MMDadoda
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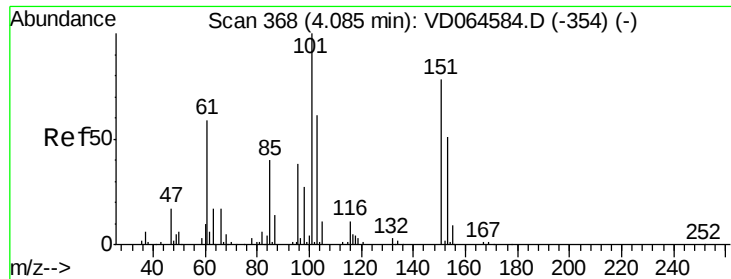


#8

Diethyl Ether
 Concen: 47.655 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.762 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064860.D

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MSVOA_D

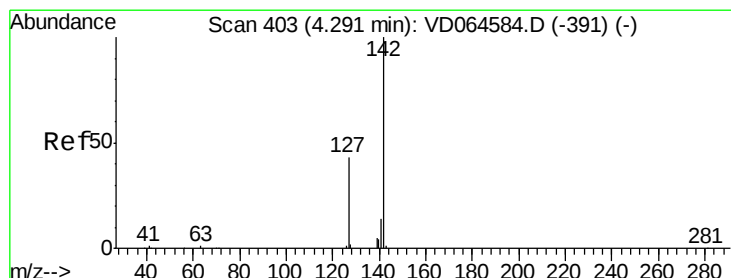
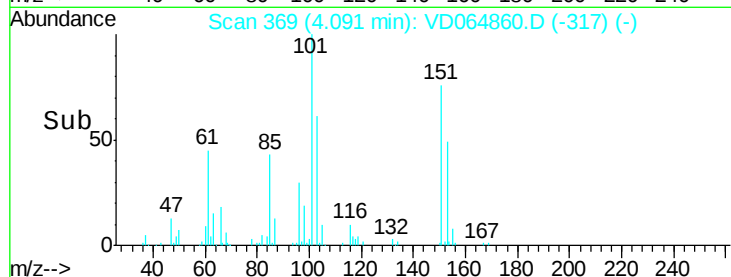
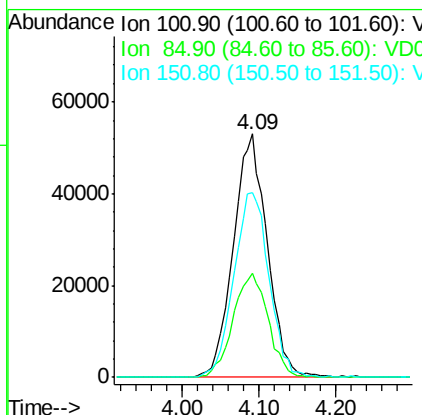
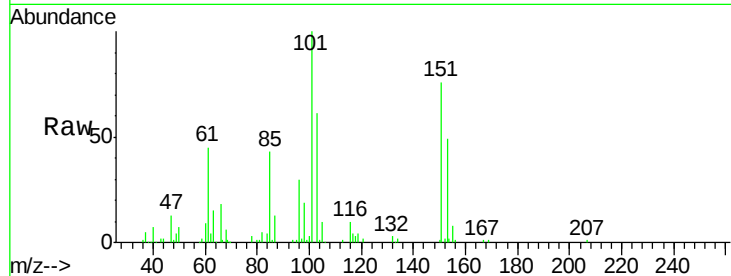
ClientSampleId :

EP-3MSD

Tot Ion:	101	Resp:	163090
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.2	52.8
151	78.7	66.2	99.4

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#10

Methyl Iodide

Concen: 48.396 ug/l

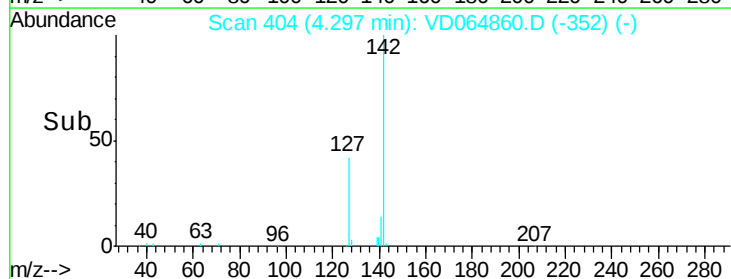
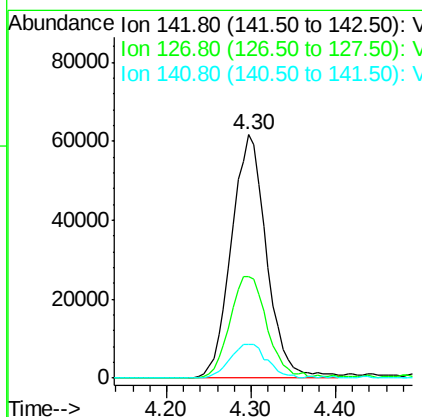
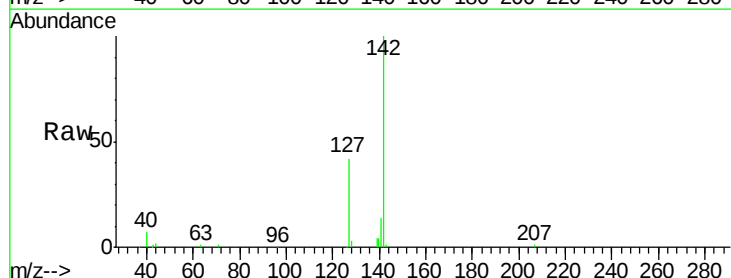
RT: 4.30 min Scan# 404

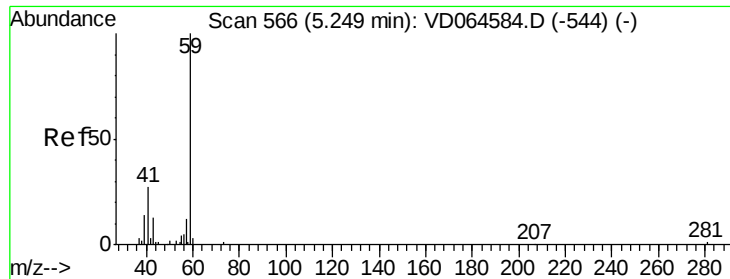
Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion:	142	Resp:	177509
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.2	54.4
141	14.6	11.8	17.8





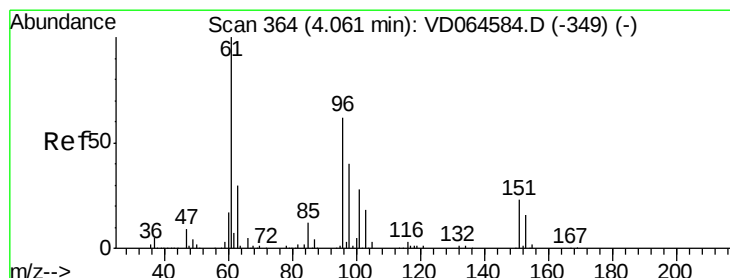
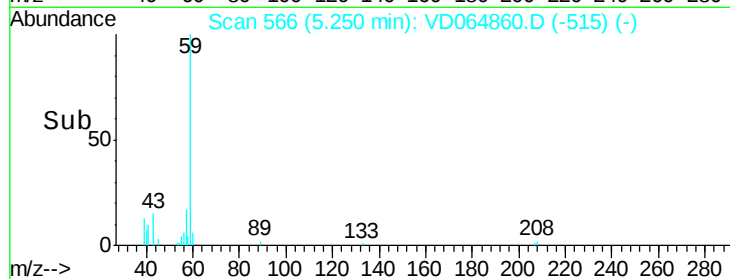
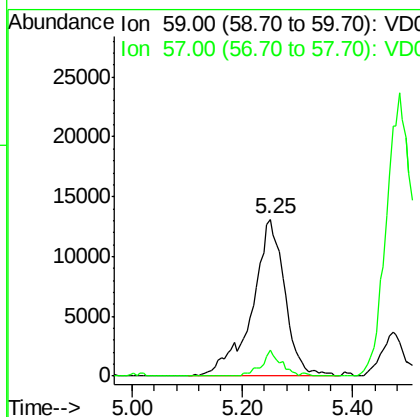
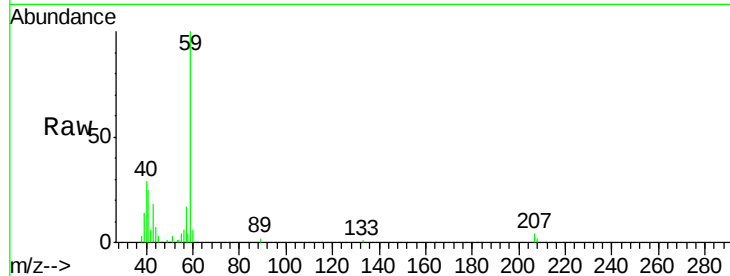
#11
Tert butyl alcohol
Concen: 288.615 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tot Ion	59	Resp	53894
Ion Ratio	100	Lower	Upper
57	9.7	9.3	13.9

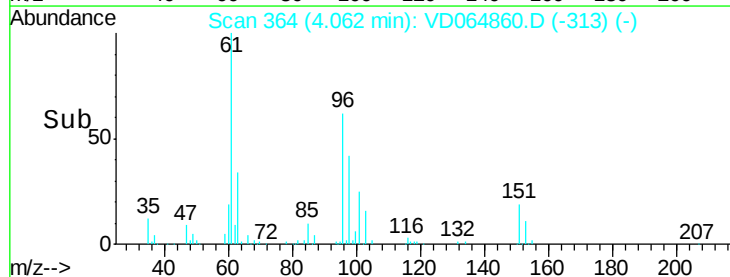
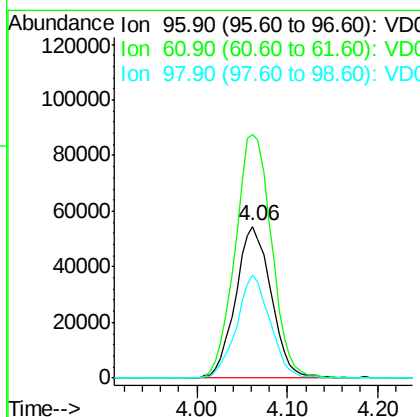
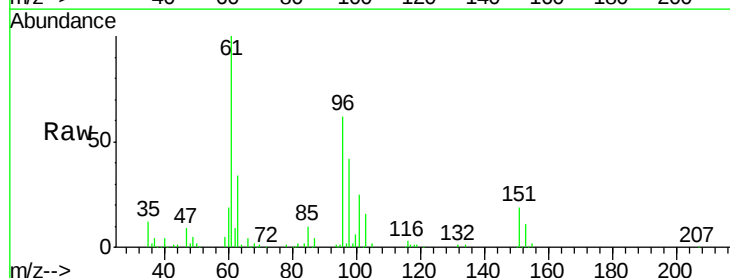
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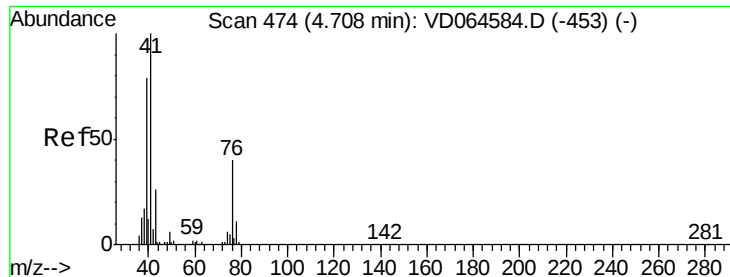
MMDadoda
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#12
1,1-Dichloroethene
Concen: 45.840 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	96	Resp	149019
Ion Ratio	100	Lower	Upper
61	160.4	129.4	194.0
98	68.1	51.4	77.0





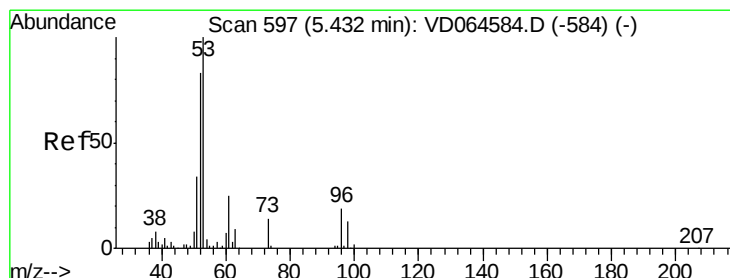
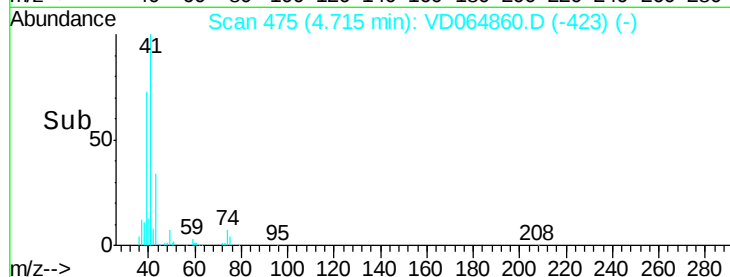
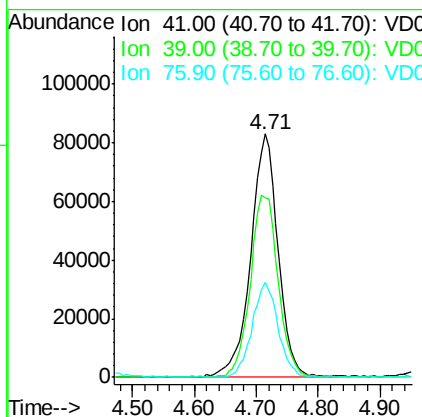
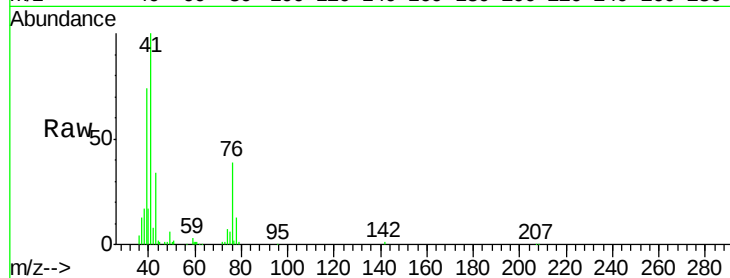
#14
Allvl chloride
Concen: 50.444 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tot Ion:	41	Resp:	255677
Ion Ratio	Lower	Upper	
41	100		
39	76.3	62.3	93.5
76	37.0	29.7	44.5

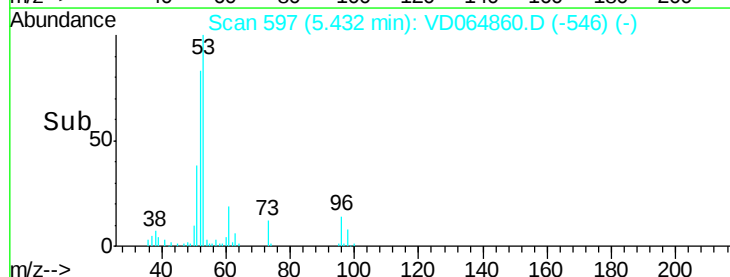
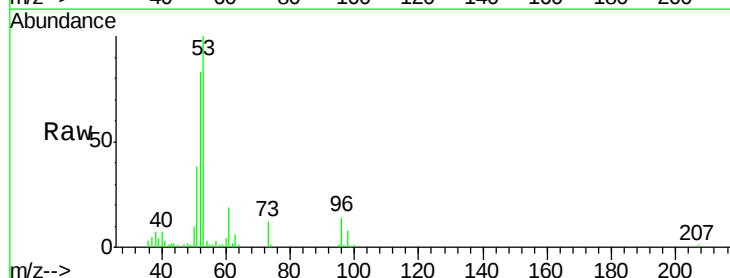
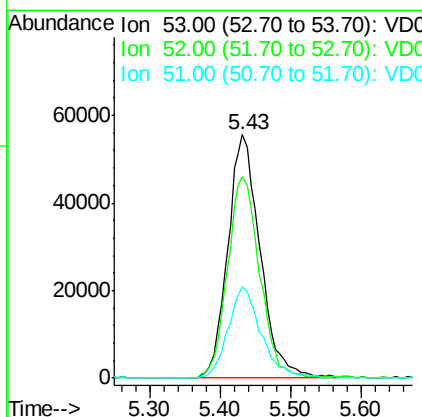
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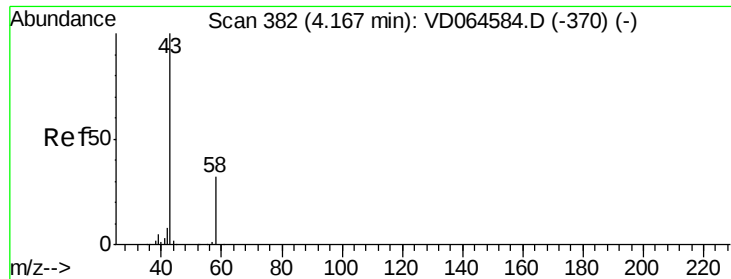
MMDadoda
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#15
Acrylonitrile
Concen: 258.693 ug/l
RT: 5.43 min Scan# 597
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion:	53	Resp:	176424
Ion Ratio	Lower	Upper	
53	100		
52	83.1	66.2	99.2
51	38.5	30.1	45.1





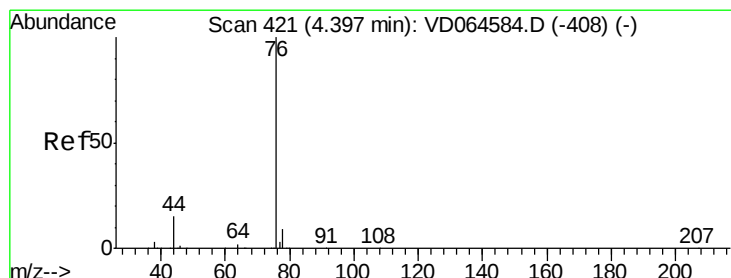
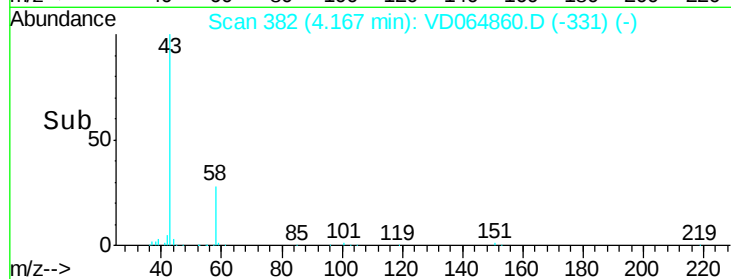
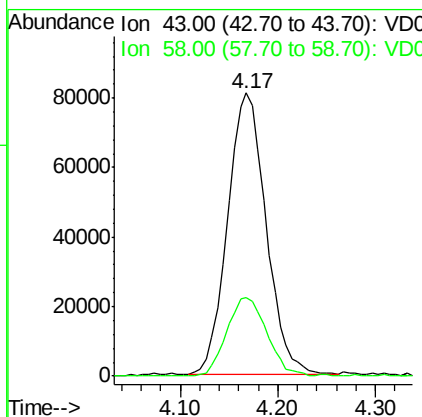
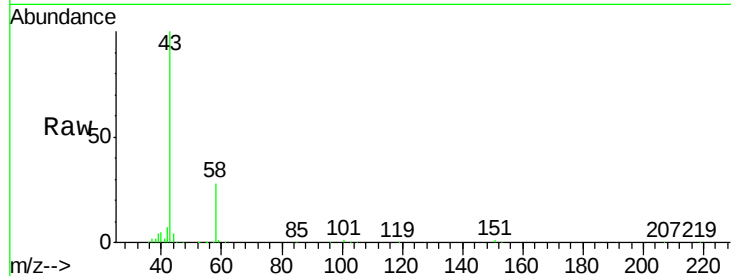
#16
Acetone
Concen: 334.242 ug/l
RT: 4.17 min Scan# 382
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	43	Resp	220747
Ion Ratio	100	Lower	Upper
43	100		
58	27.7	25.8	38.6

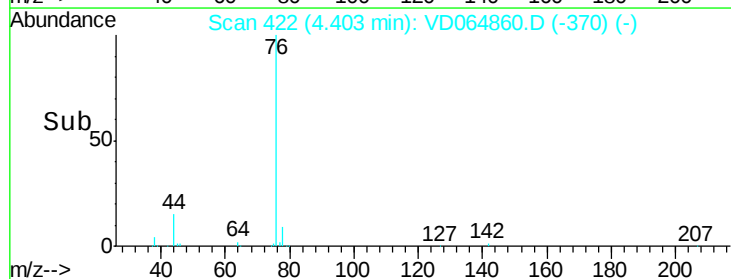
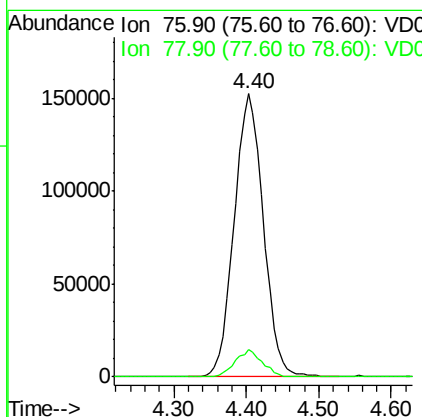
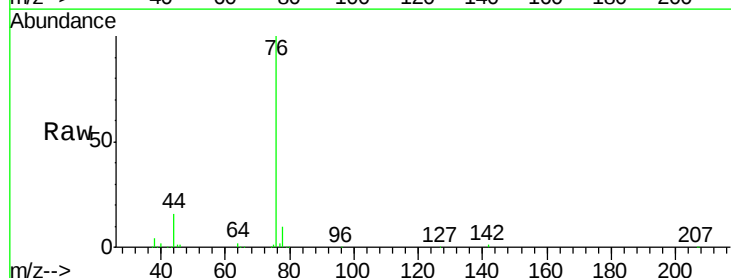
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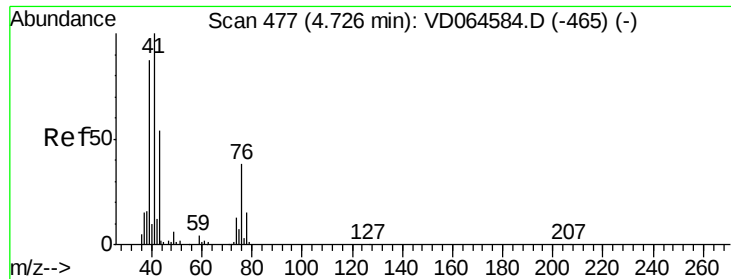
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#17
Carbon Disulfide
Concen: 40.539 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	76	Resp	426134
Ion Ratio	100	Lower	Upper
76	100		
78	9.7	7.3	10.9





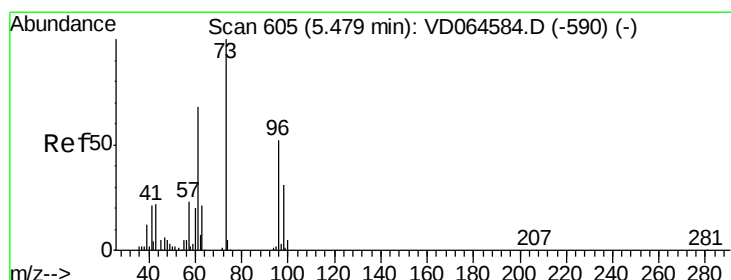
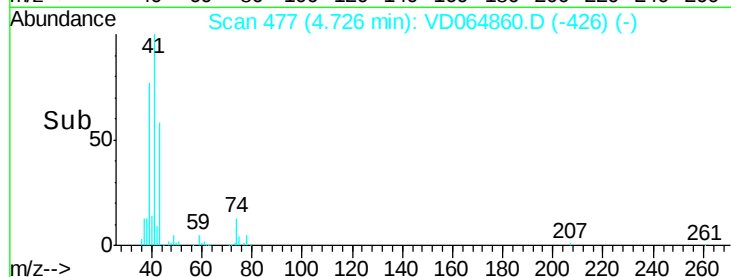
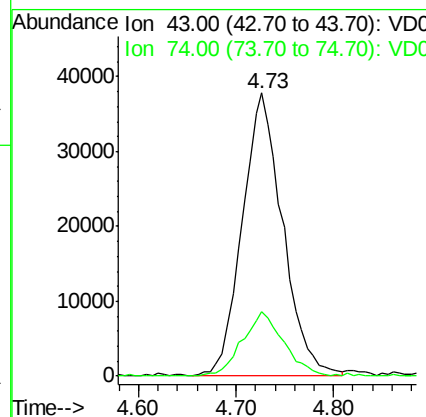
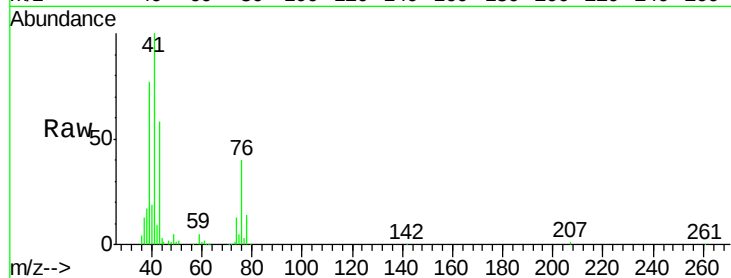
#18
Methyl Acetate
Concen: 59.723 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion: 43 Resp: 109554
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8

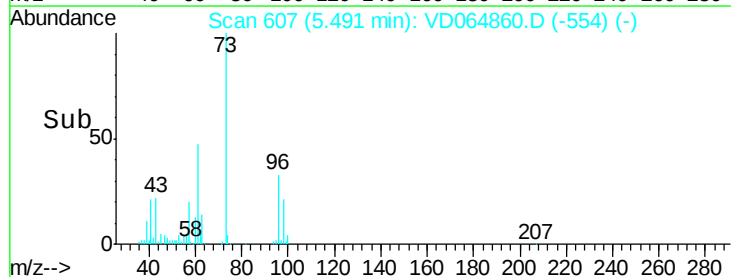
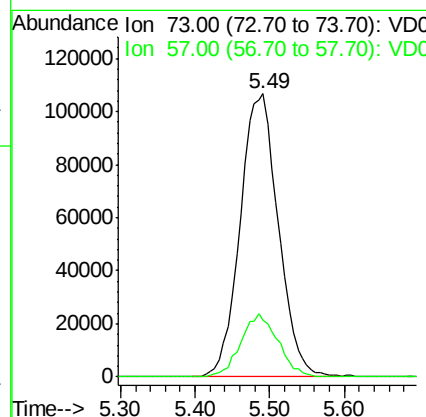
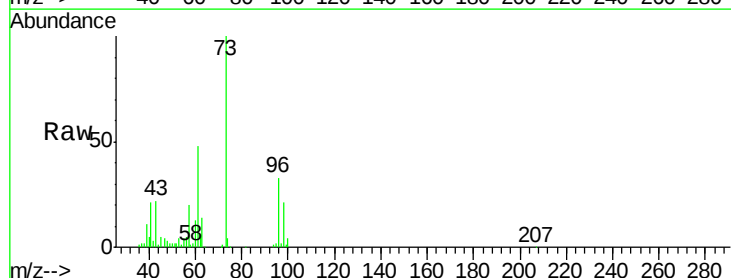
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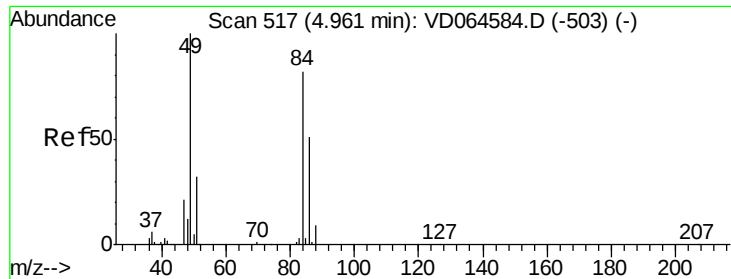
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#19
Methyl tert-butyl Ether
Concen: 52.464 ug/l
RT: 5.49 min Scan# 607
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 73 Resp: 378823
Ion Ratio Lower Upper
73 100
57 20.1 18.6 27.8





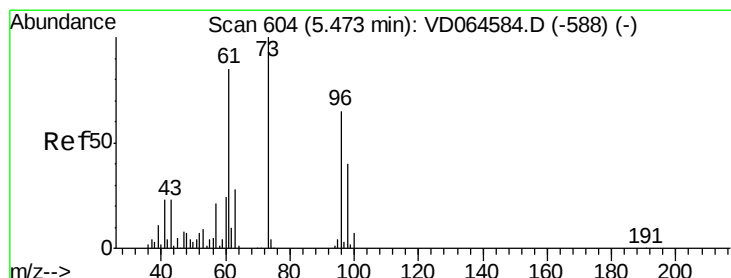
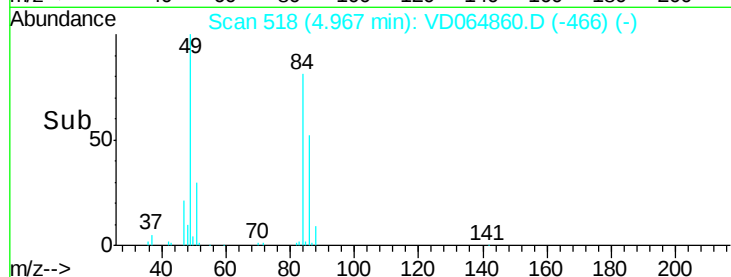
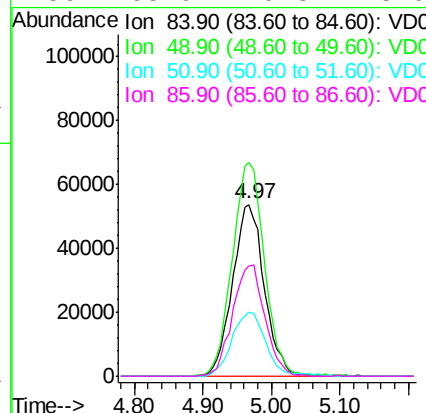
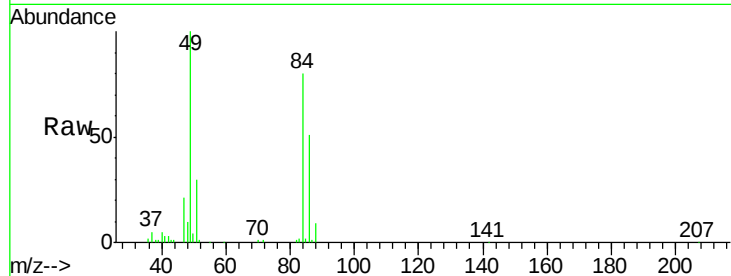
#20
Methvlene Chloride
Concen: 51.968 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
84	100		
49	124.5	97.2	145.8
51	37.4	31.4	47.0
86	63.9	49.3	73.9

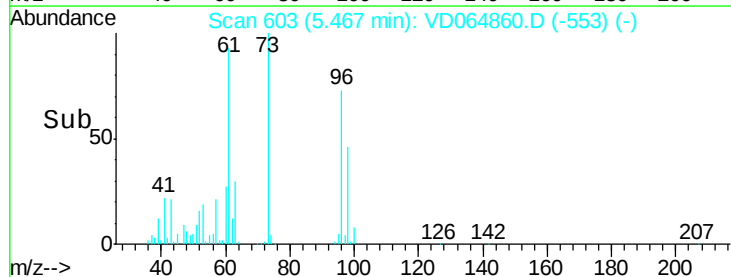
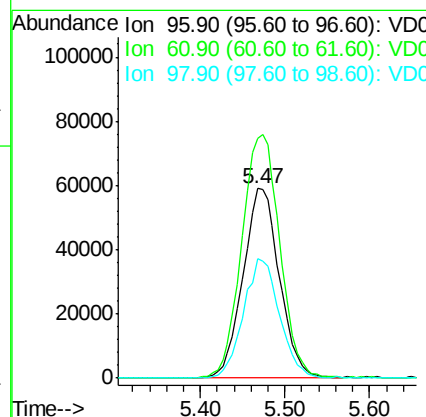
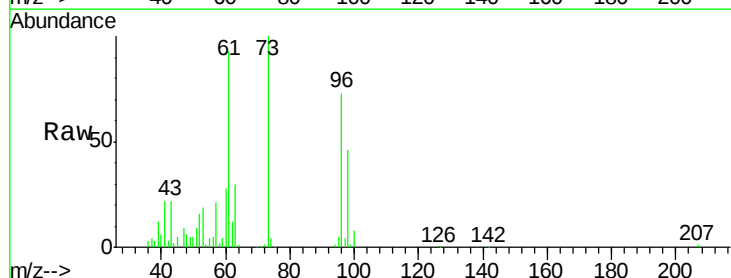
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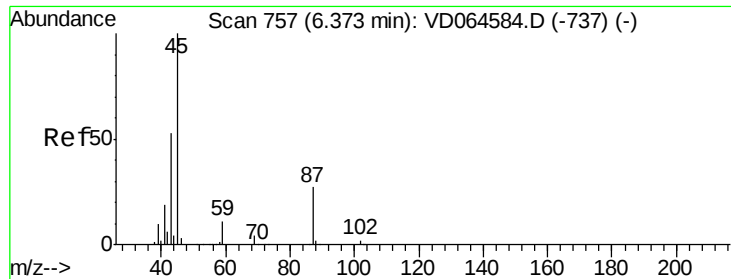
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#21
trans-1,2-Dichloroethene
Concen: 47.834 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
96	100		
61	126.7	104.7	157.1
98	63.3	49.4	74.2





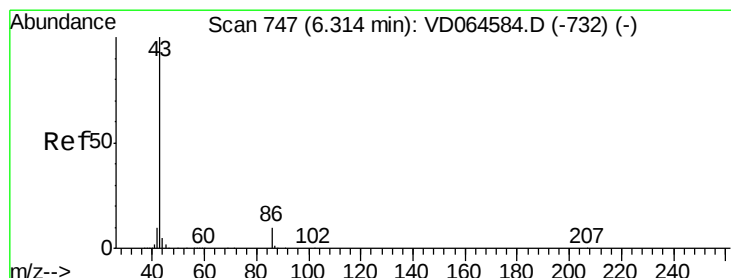
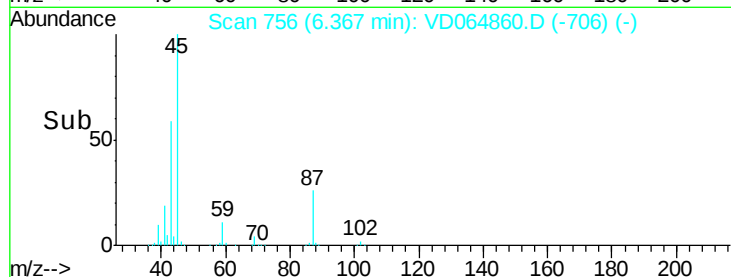
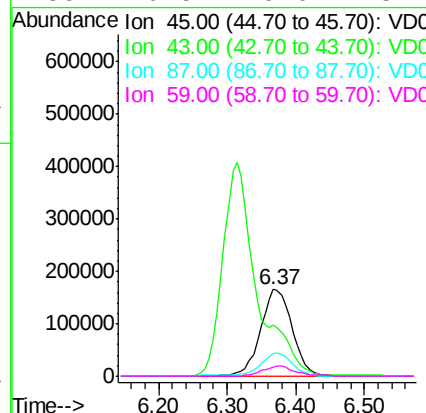
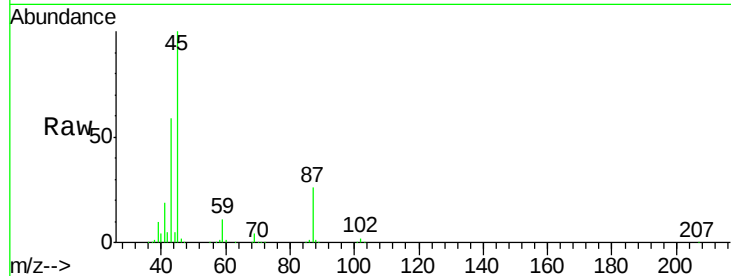
#22
Diisopropyl ether
Concen: 53.046 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ion	Ratio	Lower	Upper
45	100			
43	58.1	43.2	64.8	
87	26.1	21.9	32.9	
59	10.5	9.0	13.4	

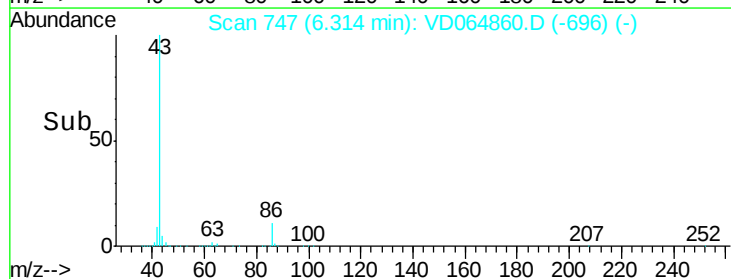
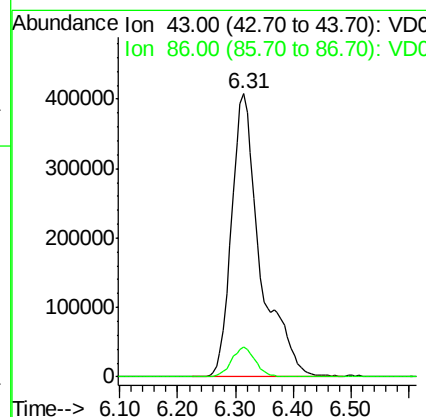
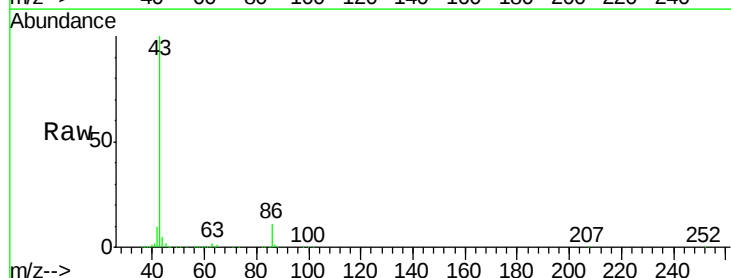
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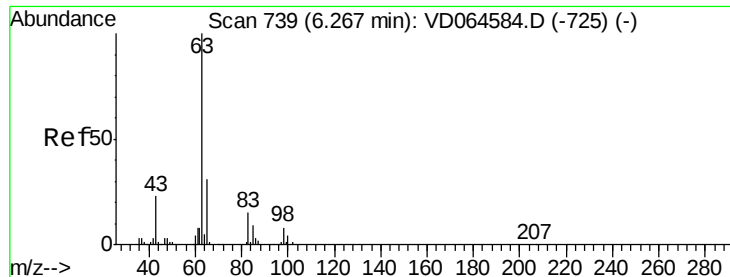
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#23
Vinyl Acetate
Concen: 244.623 ug/l
RT: 6.31 min Scan# 747
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
86	10.6	8.3	12.5	





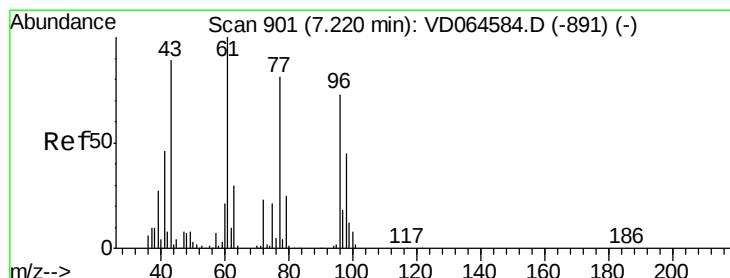
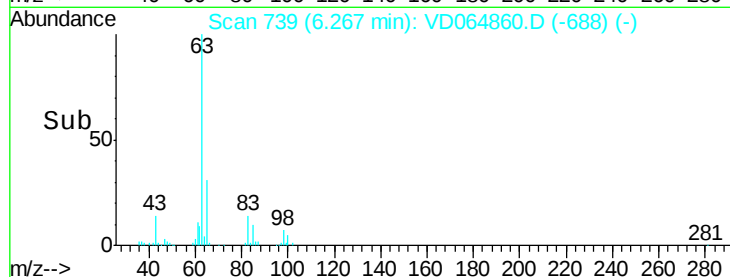
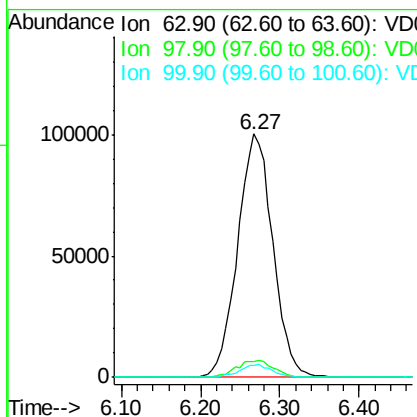
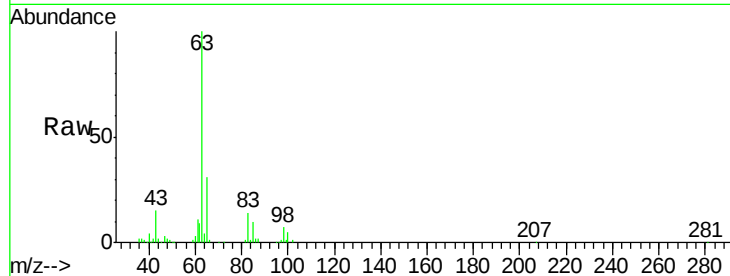
#24
 1,1-Dichloroethane
 Concen: 50.988 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
63	100	309451		
98	6.5		4.1	12.3
100	5.2		2.2	6.6

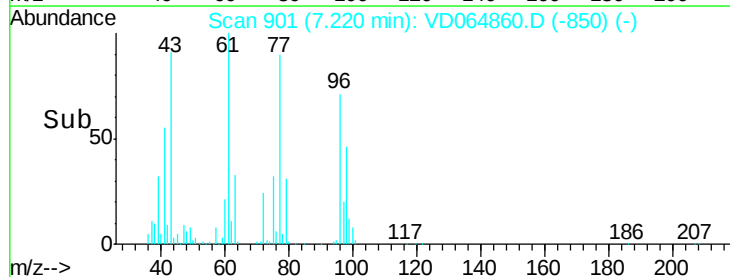
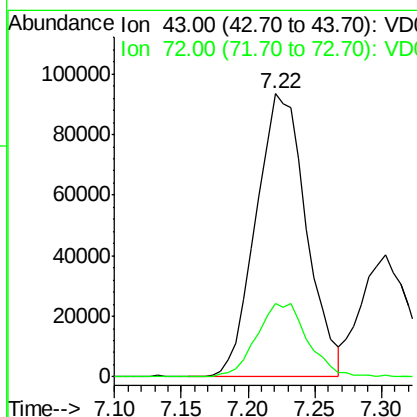
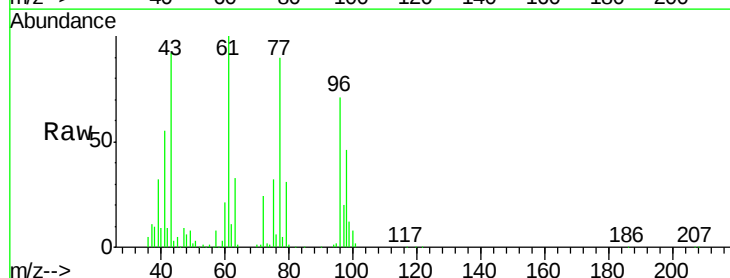
Manual Integrations
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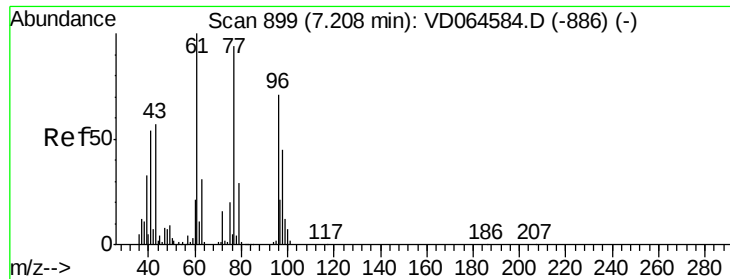
MMDadoda
 1/20/2020 11:14:20 AM



#25
 2-Butanone
 Concen: 272.996 ug/l
 RT: 7.22 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	244501		
72	26.2		20.7	31.1





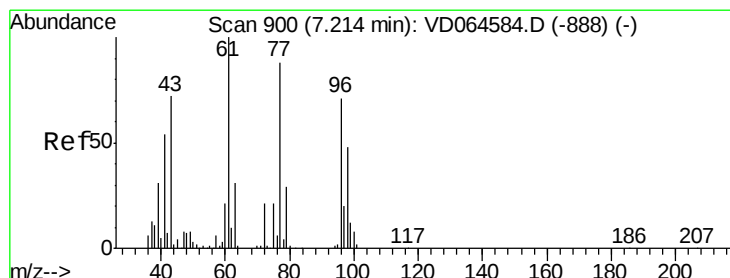
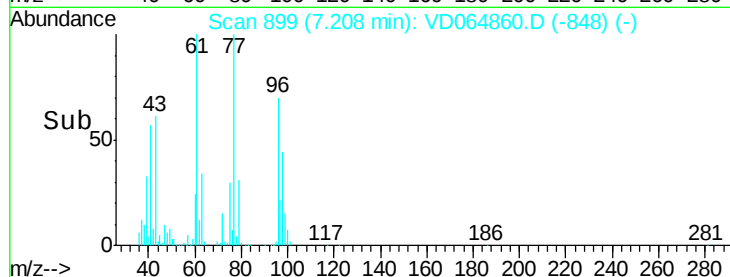
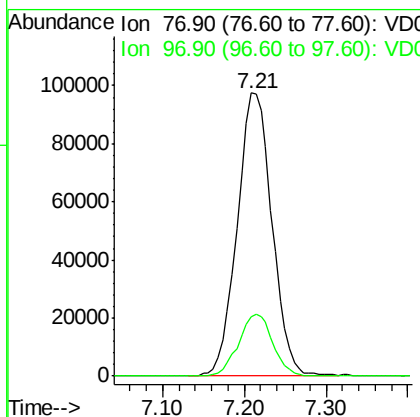
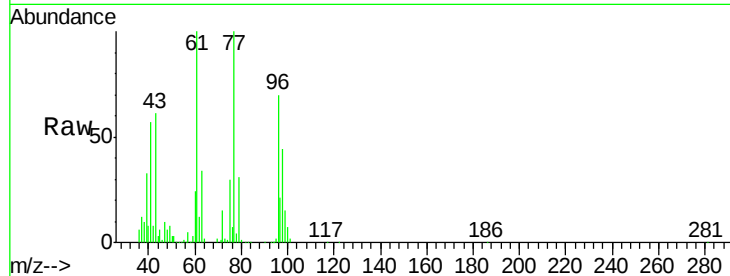
#26
 2,2-Dichloropropane
 Concen: 51.211 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MSD

Tot Ion: 77 Resp: 288974
 Ion Ratio Lower Upper
 77 100
 97 21.6 11.2 33.6

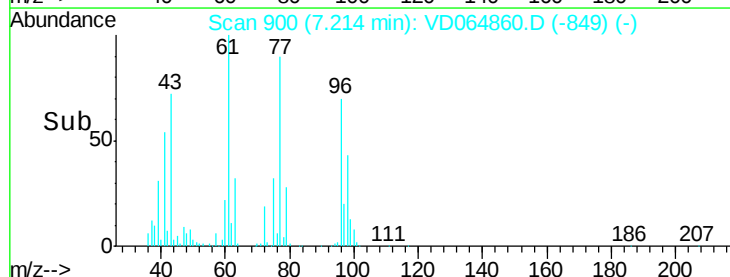
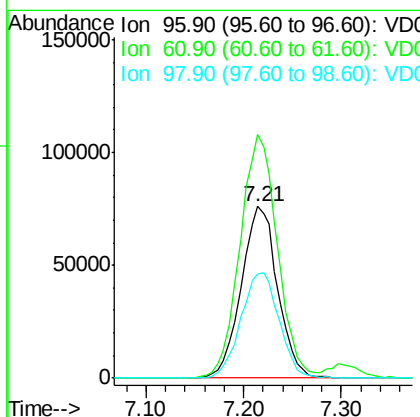
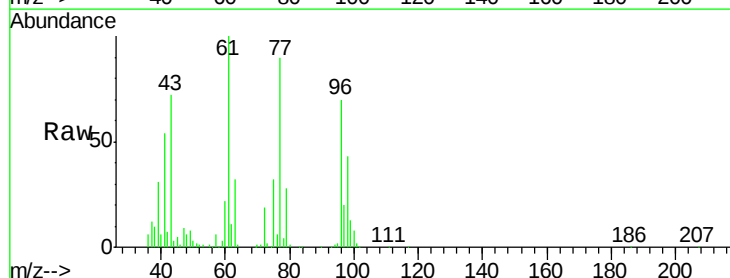
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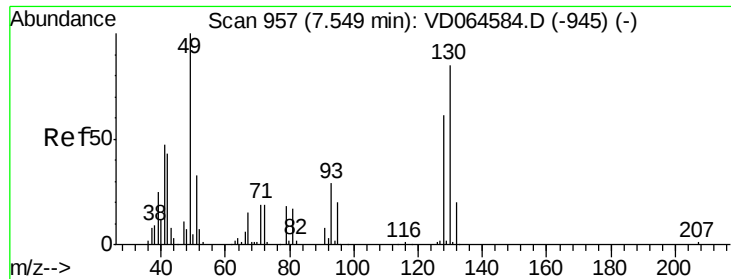
MMDadoda
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#27
 cis-1,2-Dichloroethene
 Concen: 49.748 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 96 Resp: 198773
 Ion Ratio Lower Upper
 96 100
 61 145.2 0.0 282.6
 98 64.6 0.0 130.8





#28

Bromochloromethane

Concen: 52.287 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

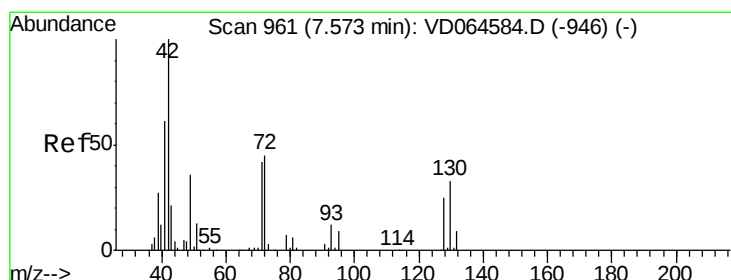
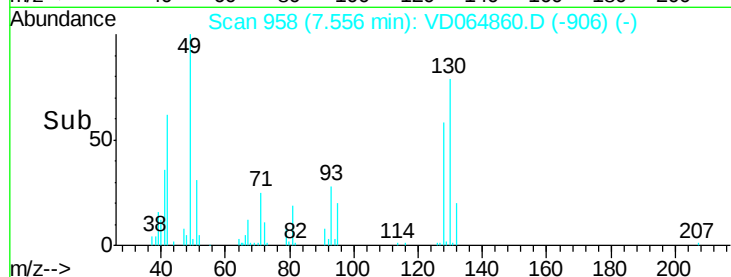
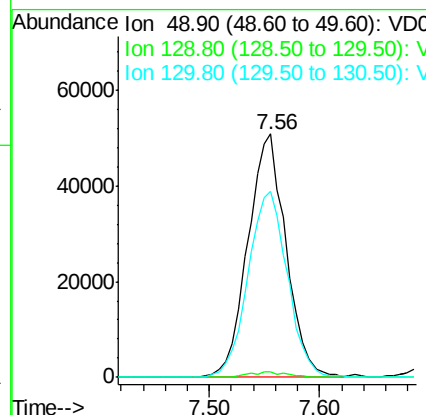
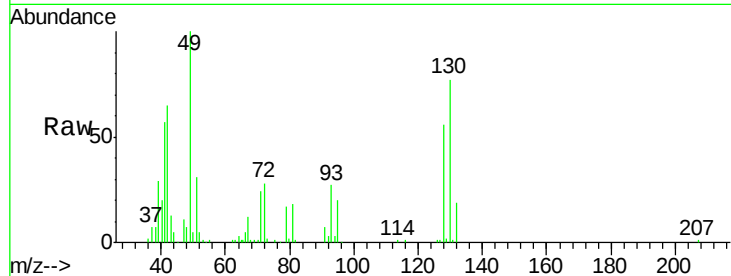
ClientSampleId :

EP-3MSD

Tot Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.8
130	78.9	65.0	97.6

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#29

Tetrahydrofuran

Concen: 252.141 ug/l

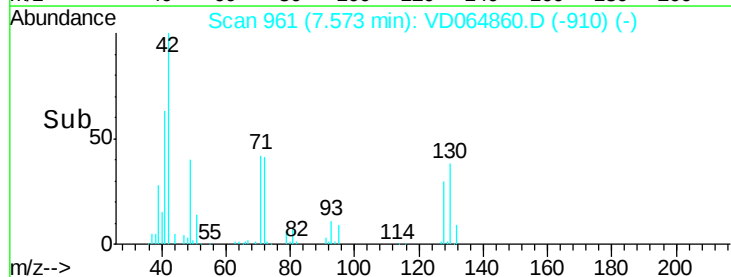
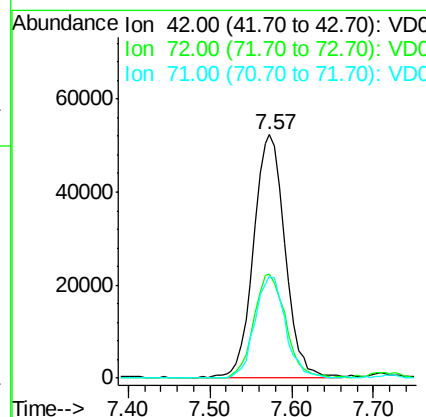
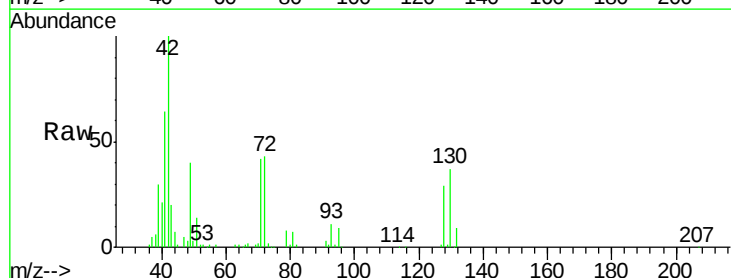
RT: 7.57 min Scan# 961

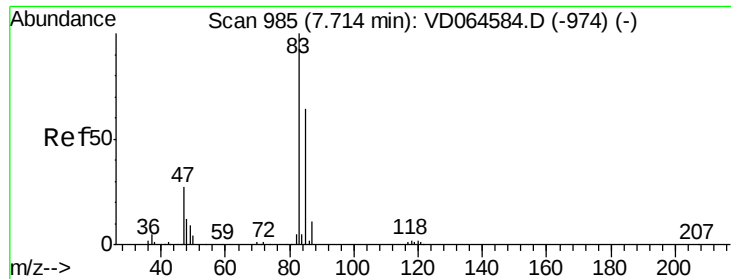
Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.1	35.0	52.4
71	40.2	32.9	49.3





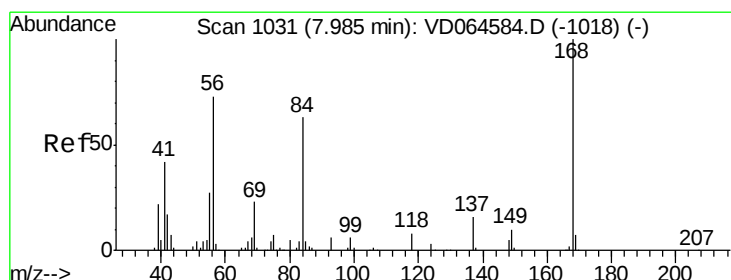
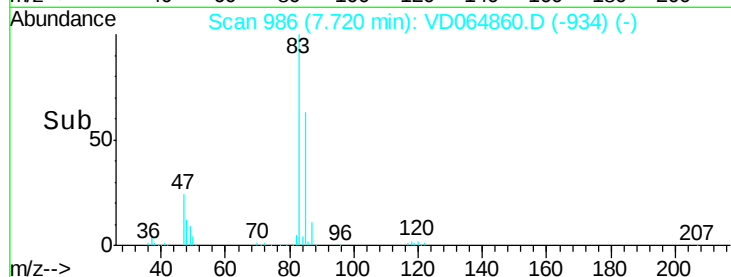
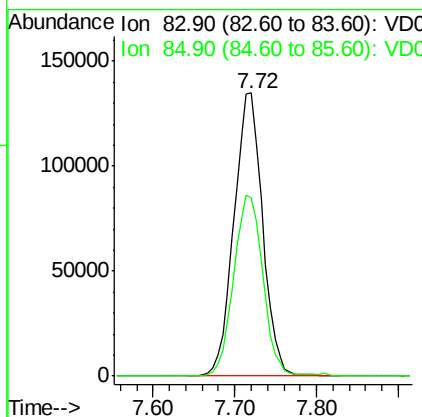
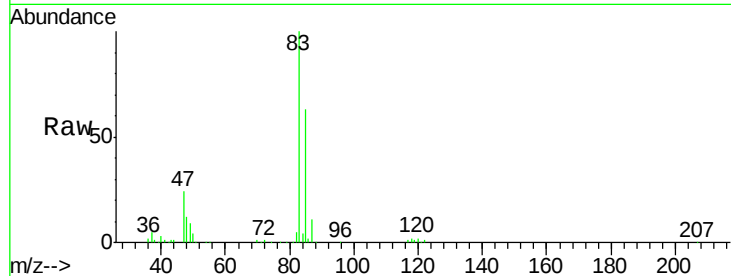
#30
Chloroform
Concen: 51.797 ug/l
RT: 7.72 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion: 83 Resp: 329818
Ion Ratio Lower Upper
83 100
85 62.9 51.1 76.7

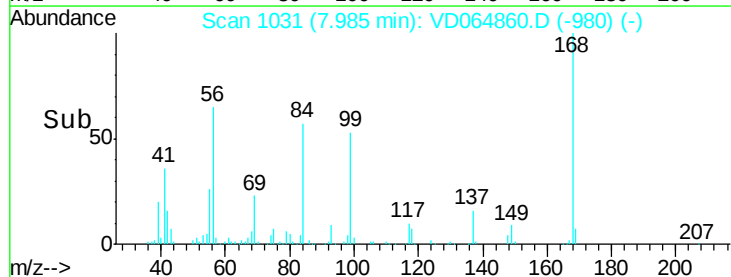
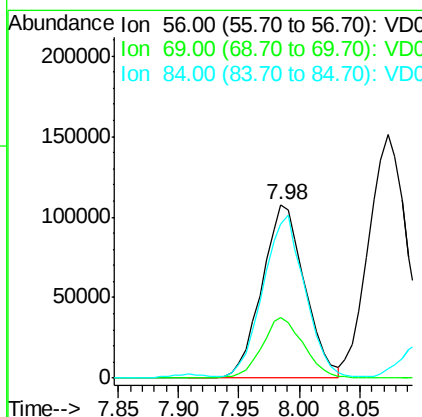
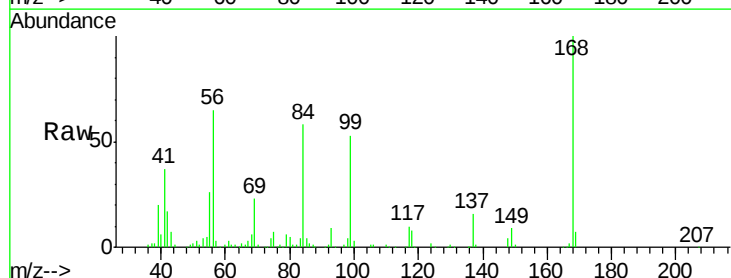
Manual Integrations
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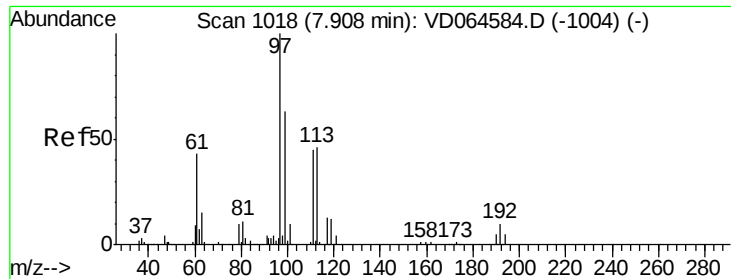
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#31
Cyclohexane
Concen: 43.519 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 56 Resp: 264388
Ion Ratio Lower Upper
56 100
69 34.8 24.7 37.1
84 86.9 69.4 104.2





#32

1,1,1-Trichloroethane

Concen: 50.703 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

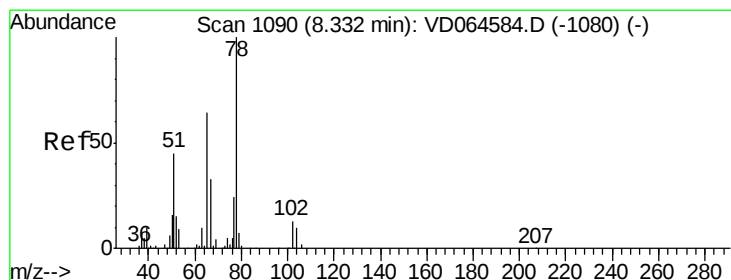
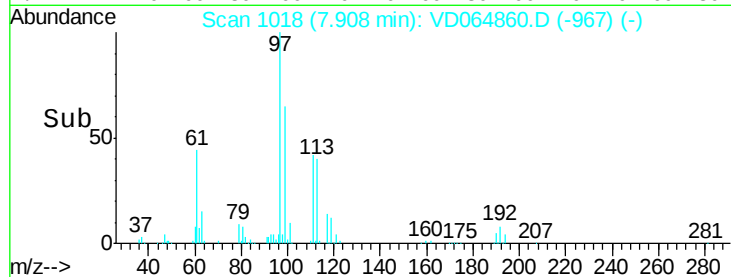
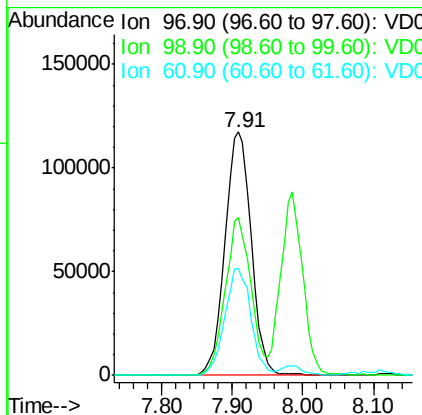
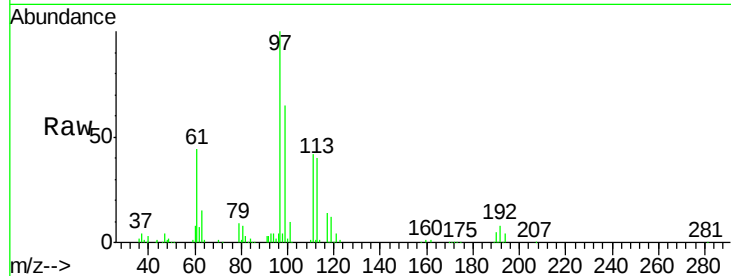
ClientSampleId :

EP-3MSD

Tot Ion:	97	Resp:	303242
Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.0	76.6
61	43.7	35.4	53.0

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#33

1,2-Dichloroethane-d4

Concen: 50.868 ug/l

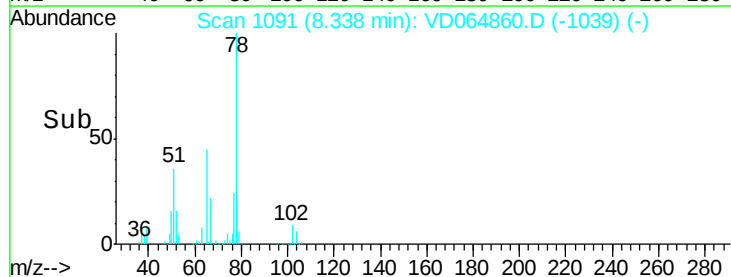
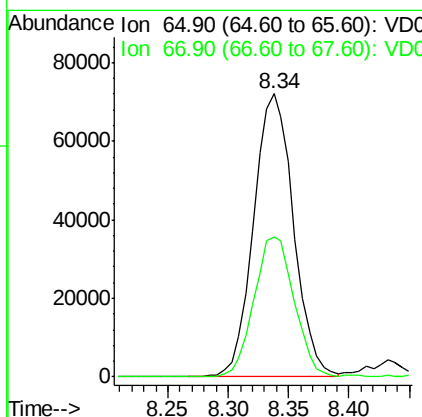
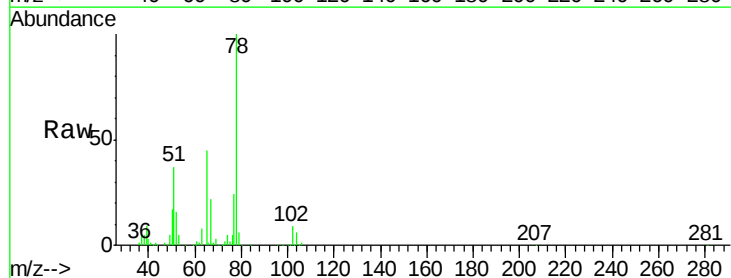
RT: 8.34 min Scan# 1091

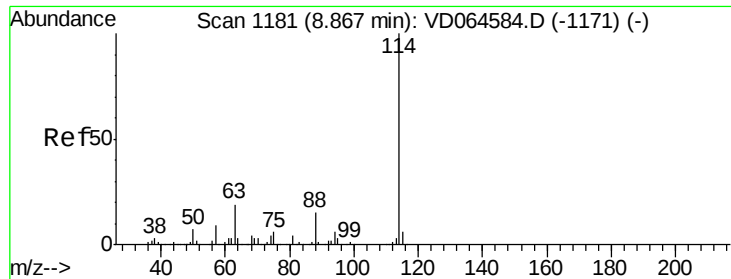
Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion:	65	Resp:	165743
Ion	Ratio	Lower	Upper
65	100		
67	49.8	0.0	106.2





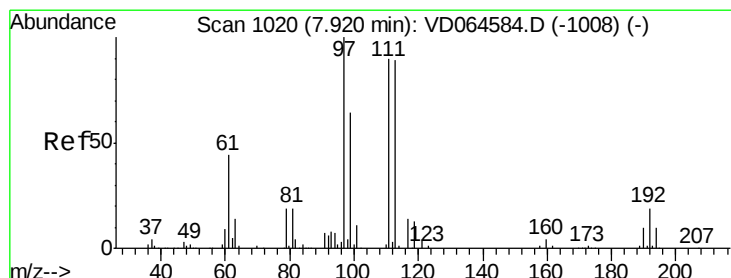
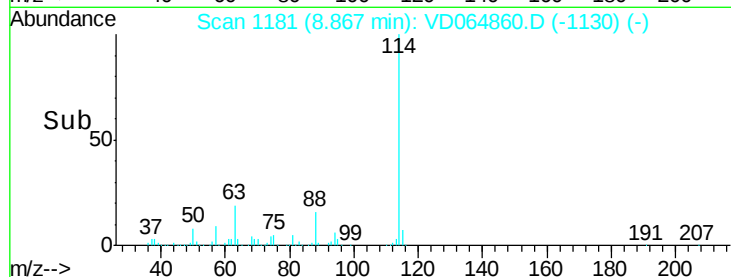
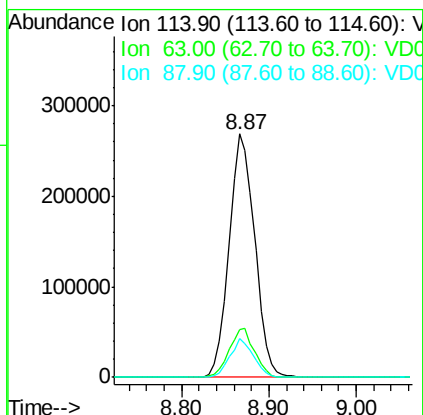
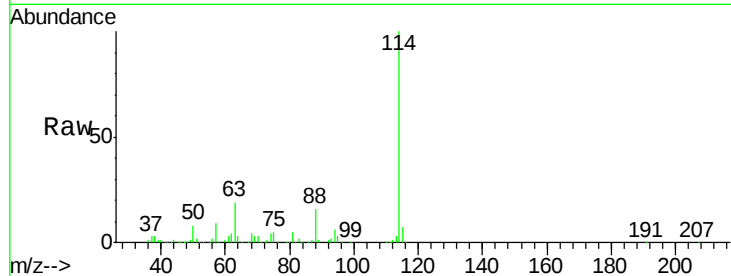
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	19.5	0.0	38.0
88	15.9	0.0	29.2

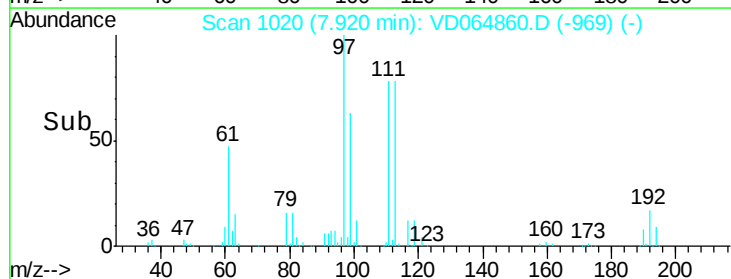
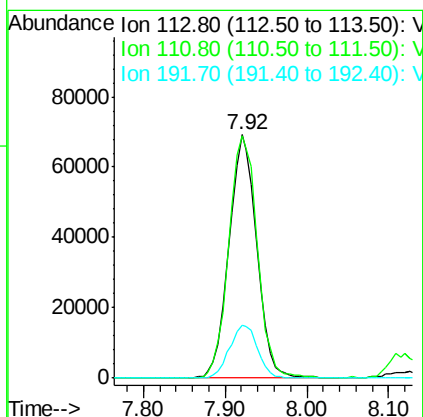
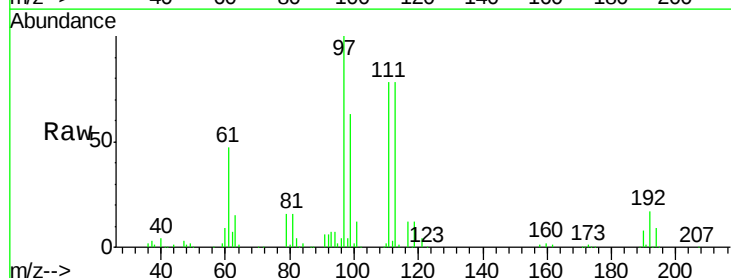
Manual Integrations
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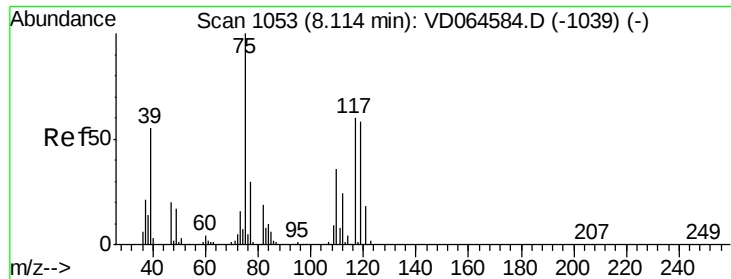
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#35
Dibromofluoromethane
Concen: 49.718 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	102.3	80.6	121.0
192	22.0	17.9	26.9





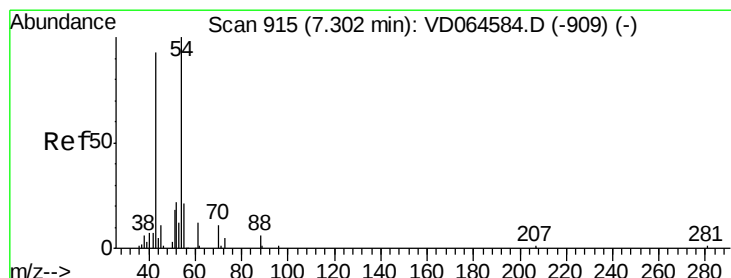
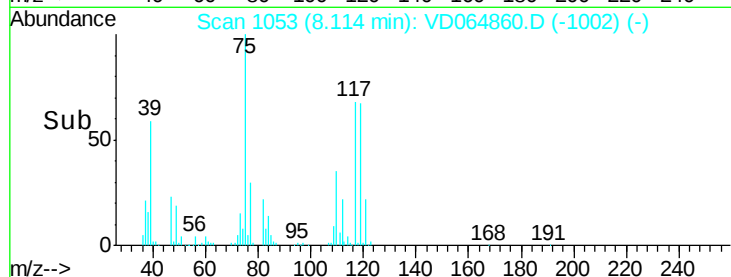
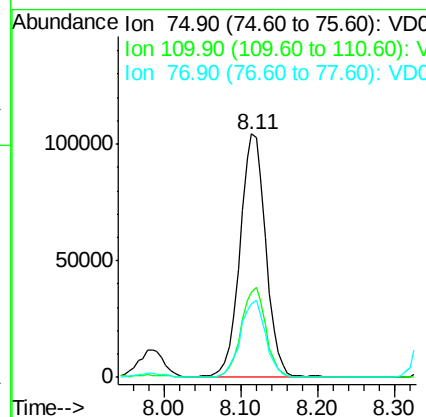
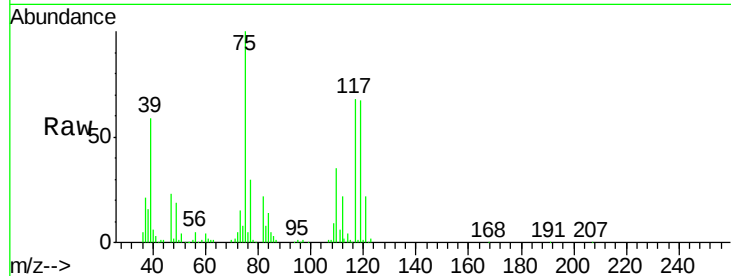
#36
 1,1-Dichloropropene
 Concen: 47.684 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
75	100	245810		
110	35.5	18.1	54.1	
77	31.0	24.2	36.4	

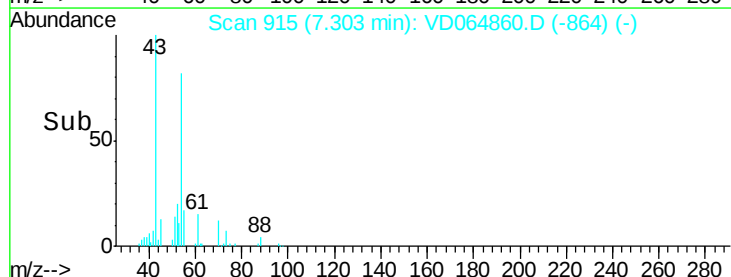
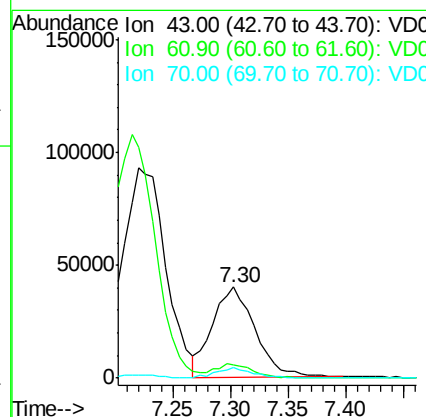
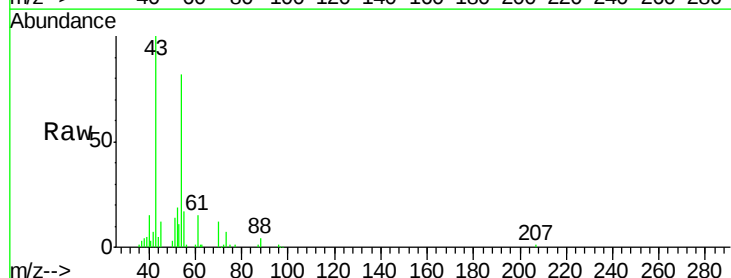
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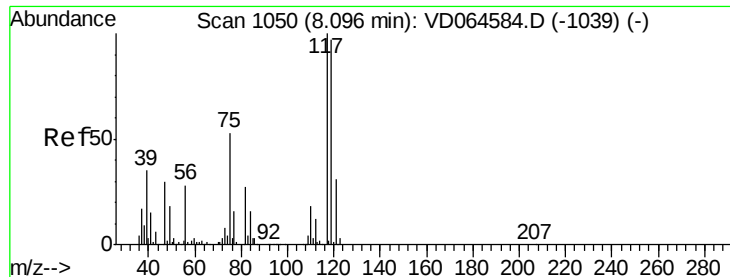
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#37
 Ethyl Acetate
 Concen: 50.811 ug/l
 RT: 7.30 min Scan# 915
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	102900		
61	13.3	10.3	15.5	
70	10.1	7.6	11.4	





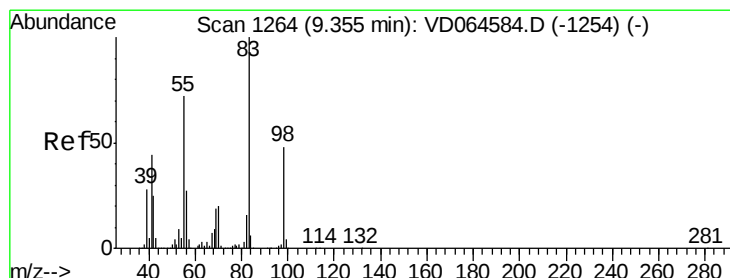
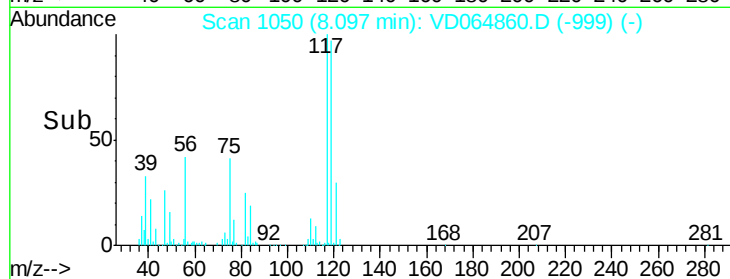
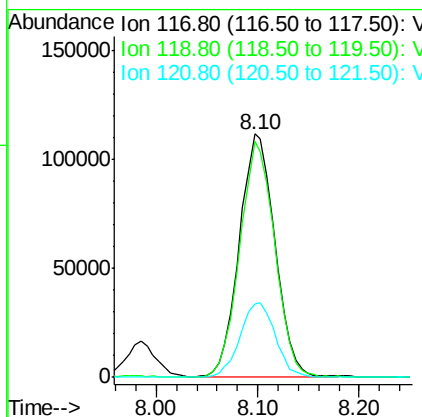
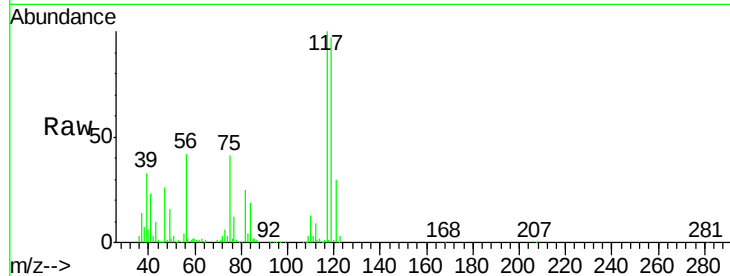
#38
Carbon Tetrachloride
Concen: 49.244 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.3	115.9
121	30.1	25.0	37.6

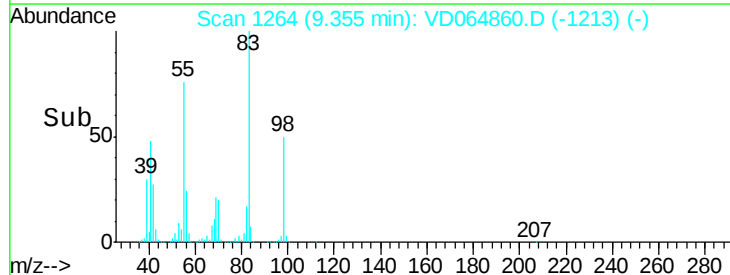
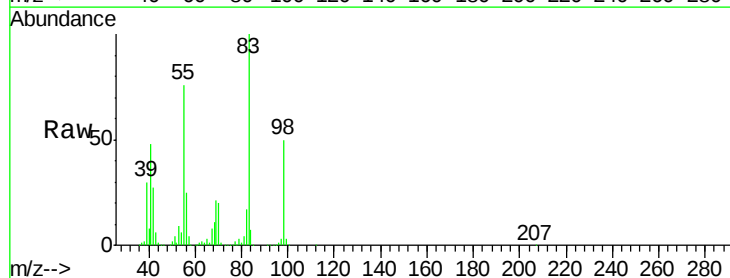
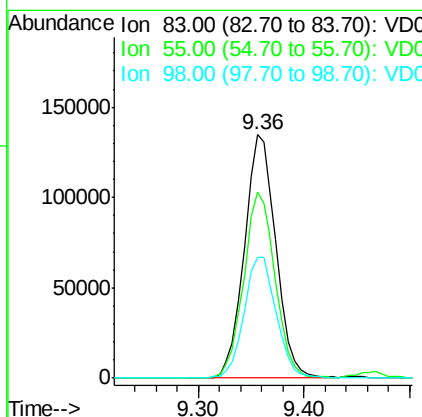
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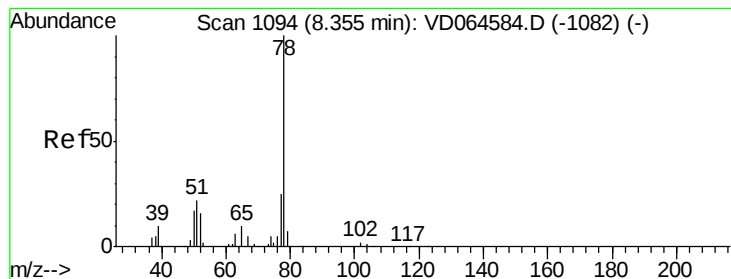
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#39
Methylcyclohexane
Concen: 44.749 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.2	57.8	86.6
98	49.8	38.7	58.1





#40

Benzene

Concen: 49.818 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 78 Resp: 701076

Ion Ratio Lower Upper

78 100

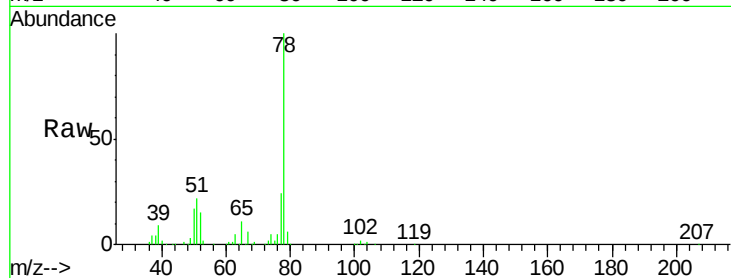
77 24.1 19.9 29.9

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Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

8.36

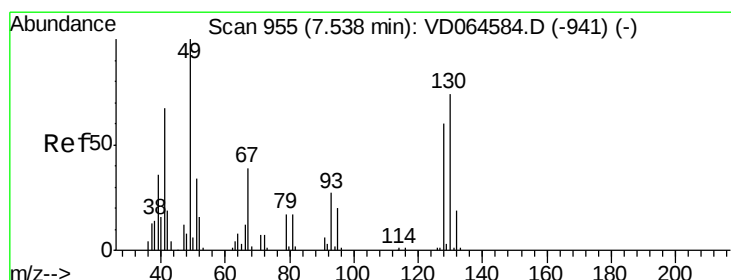
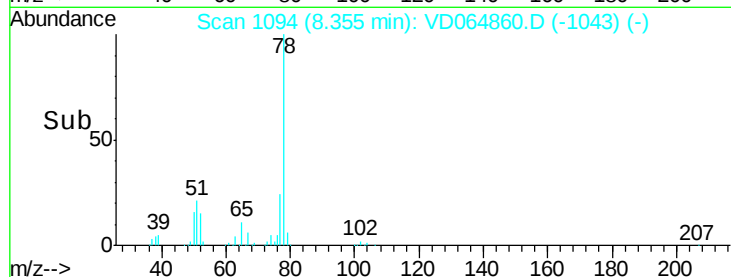
300000

200000

100000

0

Time--> 8.20 8.30 8.40 8.50



#41

Methacrylonitrile

Concen: 47.918 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion: 41 Resp: 56304

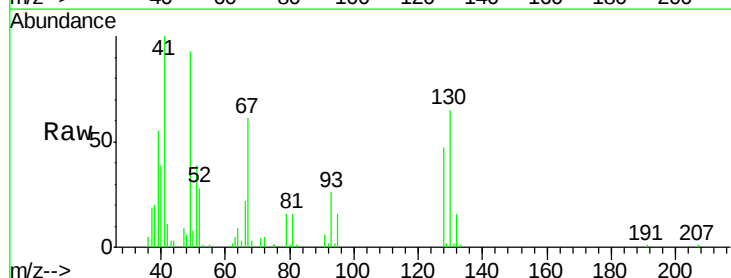
Ion Ratio Lower Upper

41 100

39 64.1 46.7 70.1

67 74.0 52.5 78.7

52 35.4 24.1 36.1



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

7.53

50000

40000

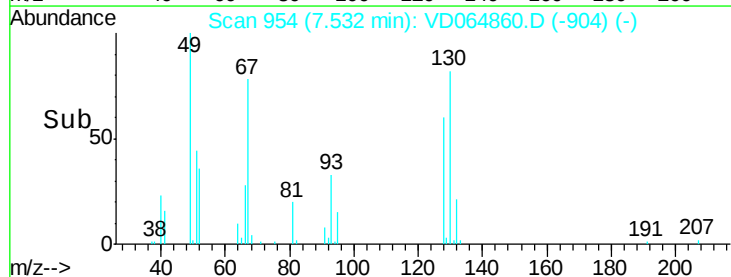
30000

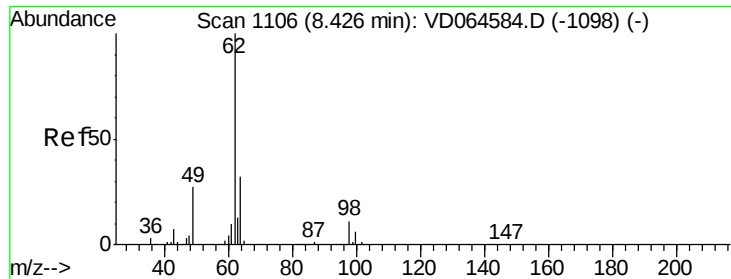
20000

10000

0

Time--> 7.45 7.50 7.55





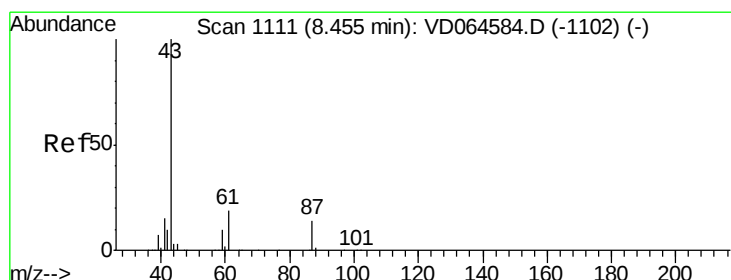
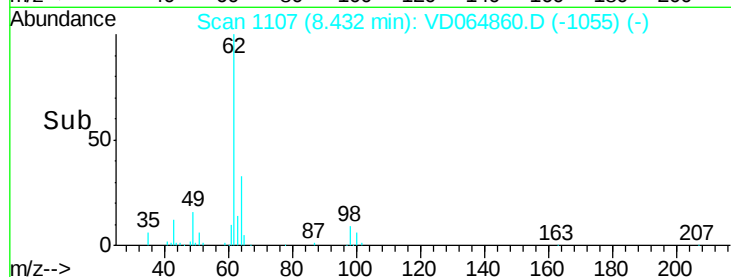
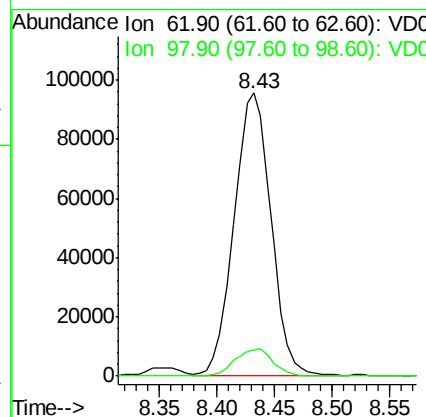
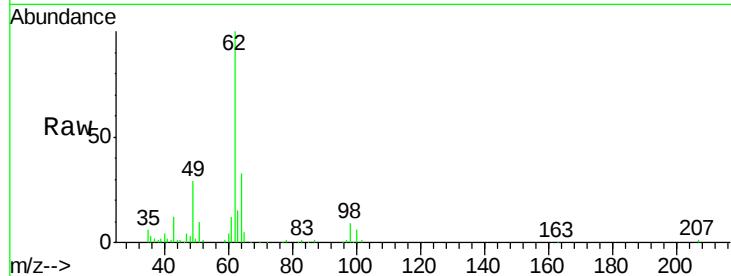
#42
 1,2-Dichloroethane
 Concen: 51.782 ug/l
 RT: 8.43 min Scan# 1107
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampled :
 EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
62	100	210578		
98	9.8	0.0	20.0	

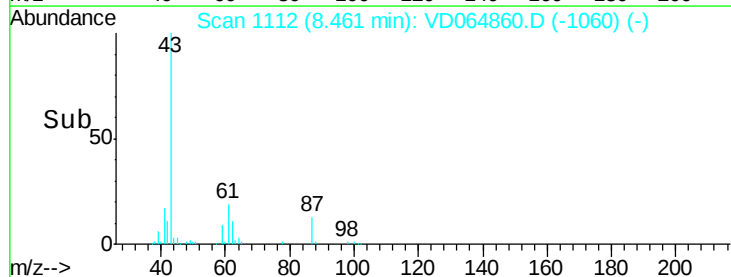
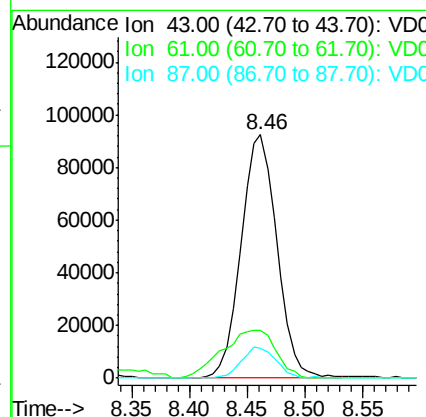
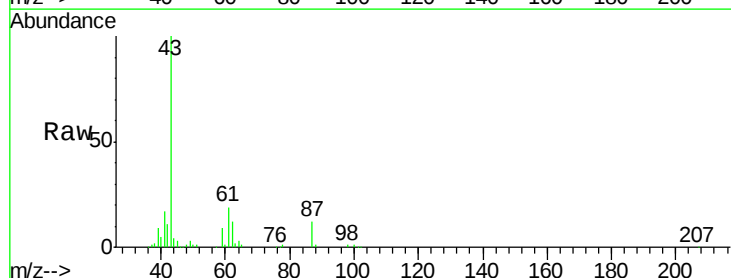
Manual Integrations
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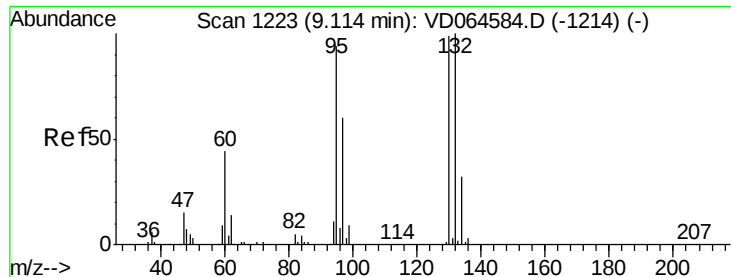
MMDadoda
 1/20/2020 11:14:20 AM



#43
 Isopropyl Acetate
 Concen: 49.581 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	199857		
61	29.6	23.7	35.5	
87	12.4	10.5	15.7	





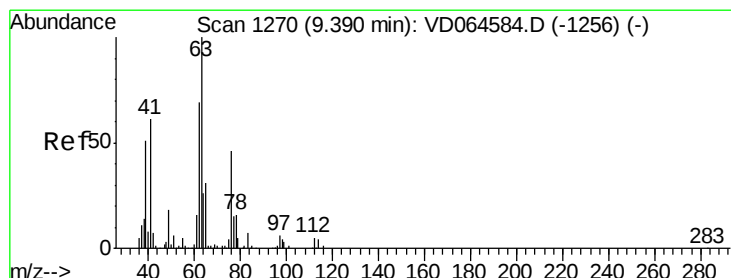
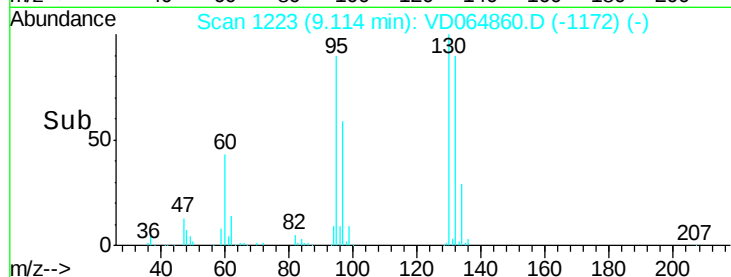
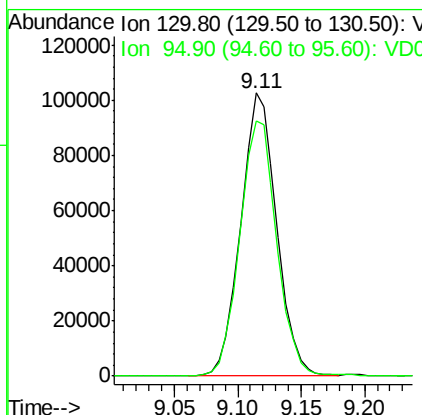
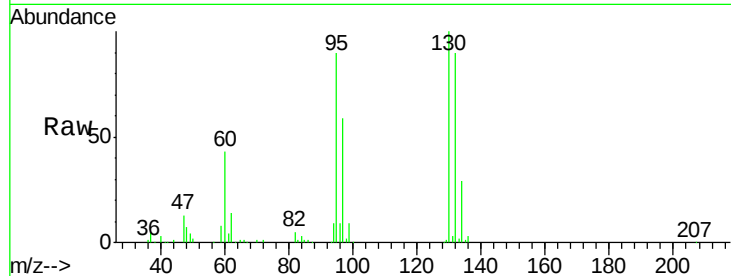
#44
 Trichloroethene
 Concen: 48.636 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
130	100	201066		
95	90.3	0.0	190.2	

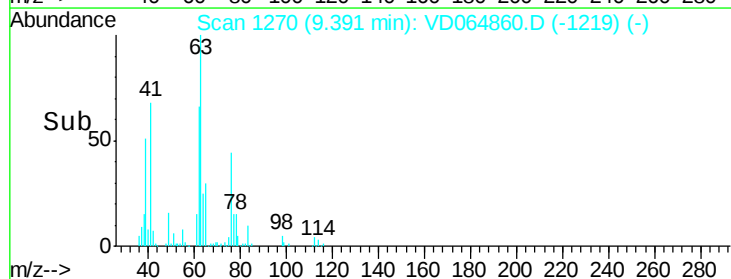
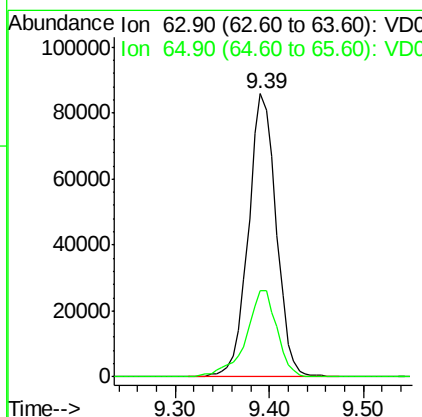
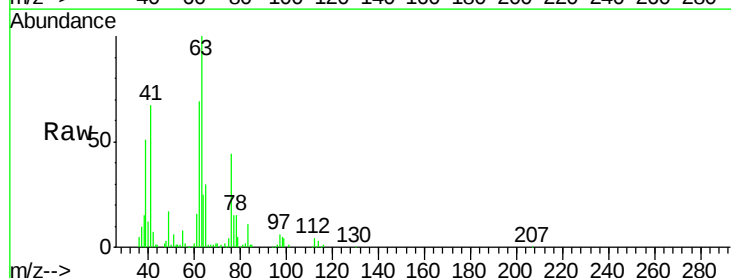
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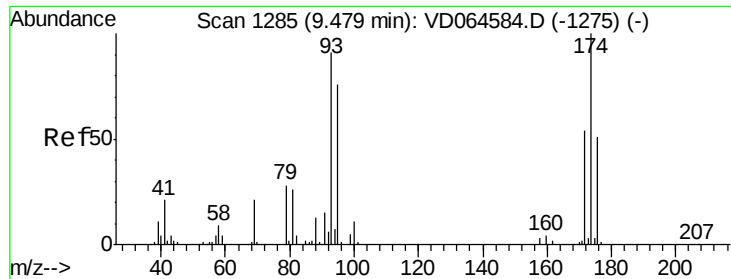
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#45
 1,2-Dichloropropane
 Concen: 52.432 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	176174		
65	30.4	25.2	37.8	





#46

Dibromomethane

Concen: 49.563 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

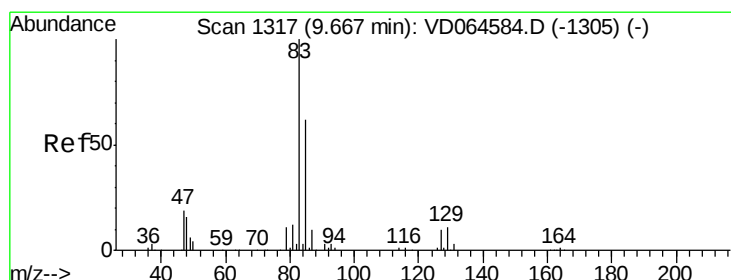
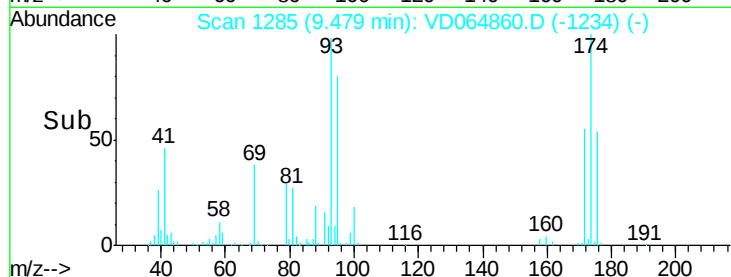
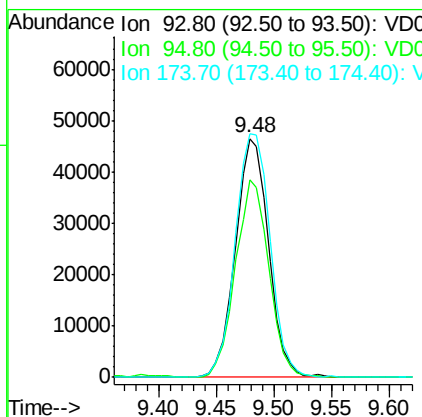
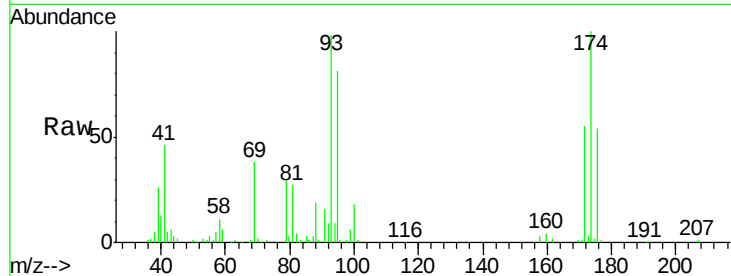
ClientSampleId :

EP-3MSD

Tot Ion:	93	Resp:	92848
Ion Ratio	Lower	Upper	
93	100		
95	83.4	64.6	97.0
174	106.8	88.1	132.1

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#47

Bromodichloromethane

Concen: 51.013 ug/l

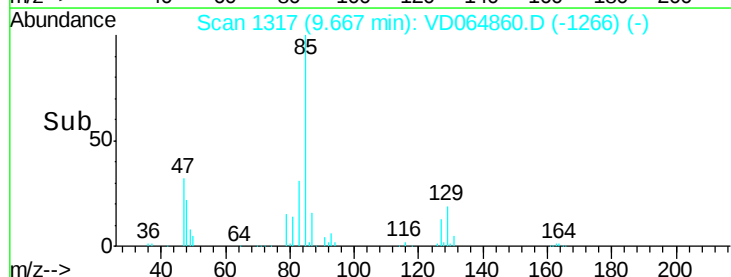
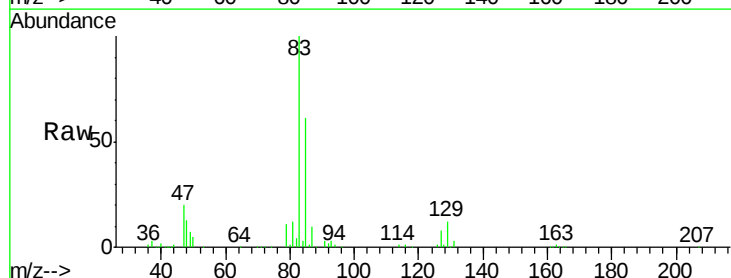
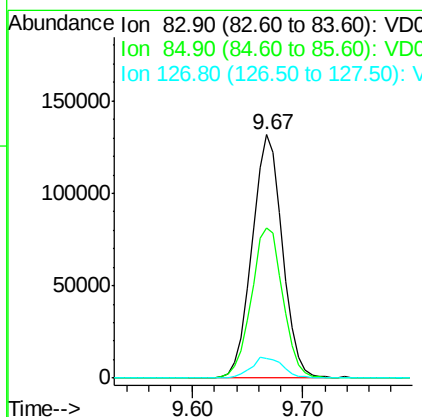
RT: 9.67 min Scan# 1317

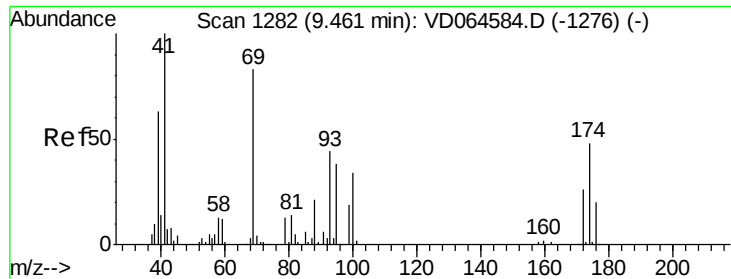
Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion:	83	Resp:	254291
Ion Ratio	Lower	Upper	
83	100		
85	61.5	49.5	74.3
127	8.2	7.8	11.6





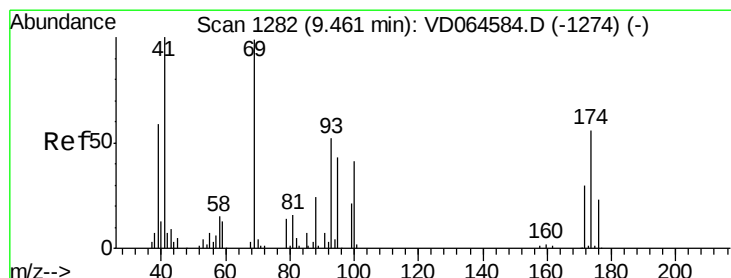
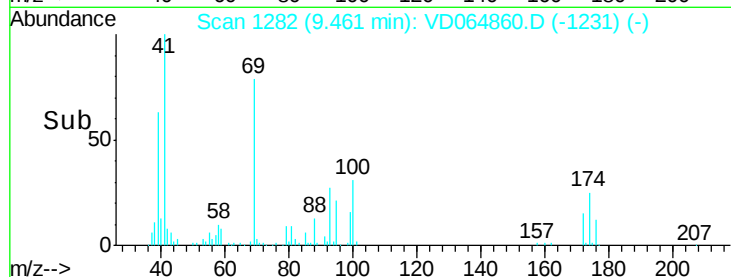
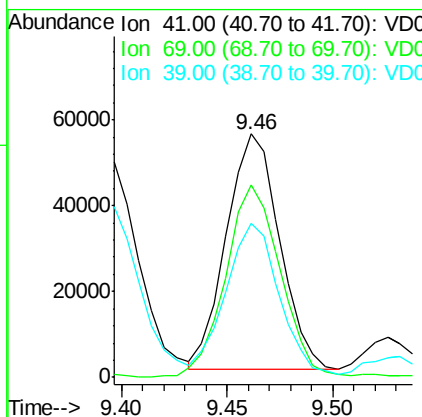
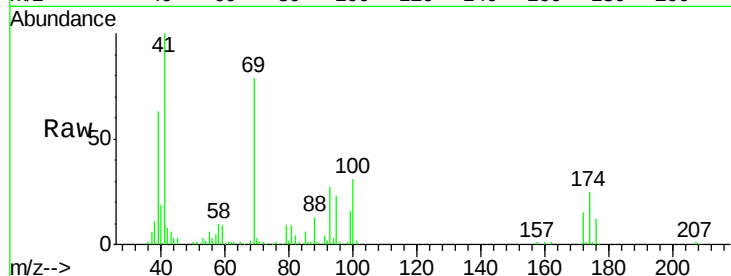
#48
Methvl methacrylate
Concen: 50.410 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
41	100		
69	84.4	63.0	94.6
39	63.5	47.4	71.2

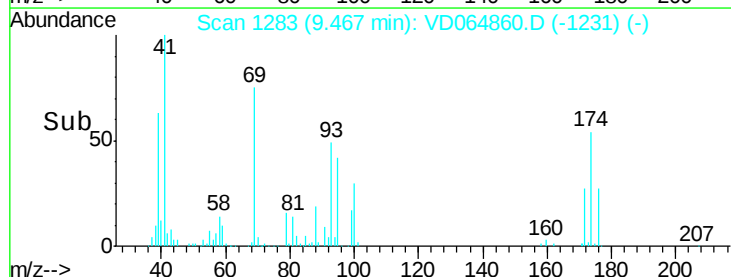
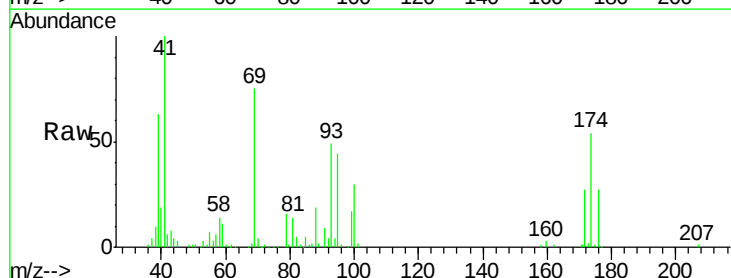
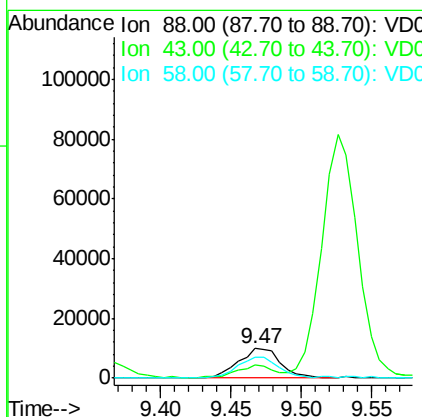
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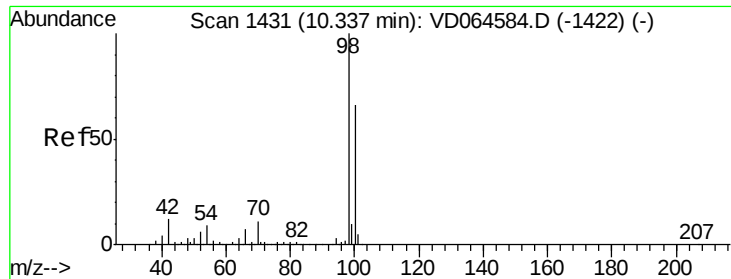
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#49
1,4-Dioxane
Concen: 976.076 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
88	100		
43	38.0	27.7	41.5
58	67.4	53.8	80.6





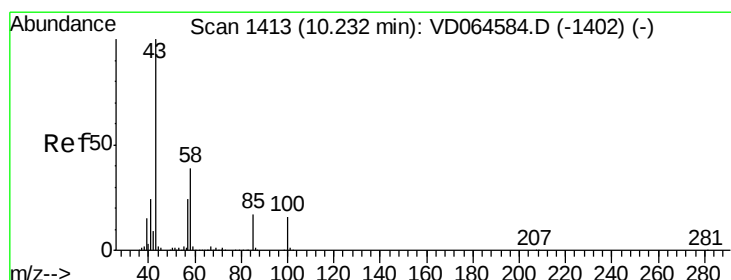
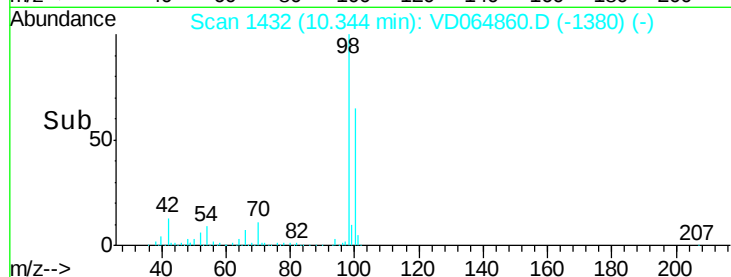
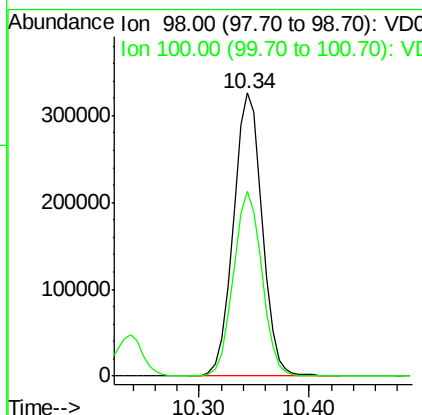
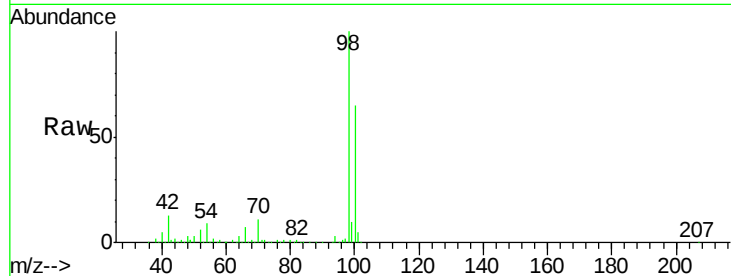
#50
Toluene-d8
Concen: 47.315 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tot Ion: 98 Resp: 595446
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5

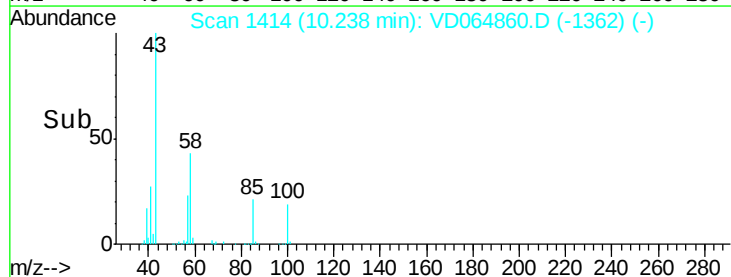
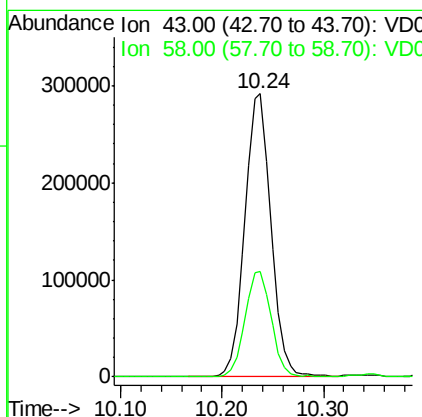
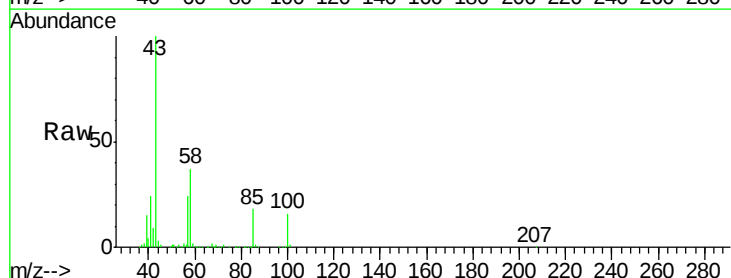
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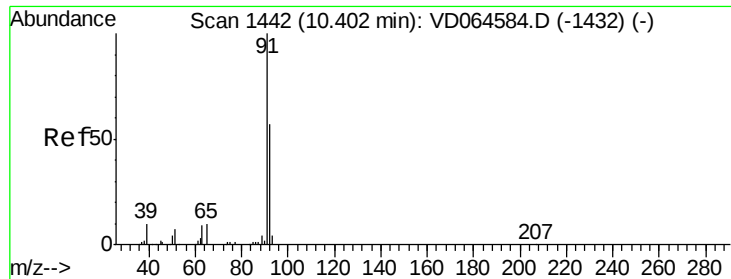
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#51
4-Methyl-2-Pentanone
Concen: 262.272 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 43 Resp: 522548
Ion Ratio Lower Upper
43 100
58 37.5 30.2 45.2





#52

Toluene

Concen: 50.899 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampled :

EP-3MSD

Tot Ion: 92 Resp: 469937

Ion Ratio Lower Upper

92 100

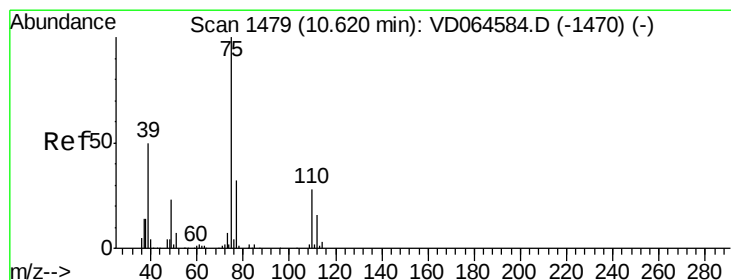
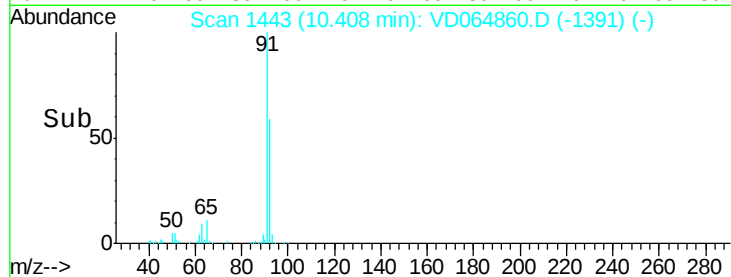
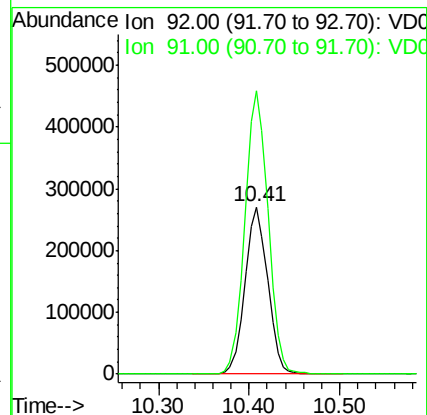
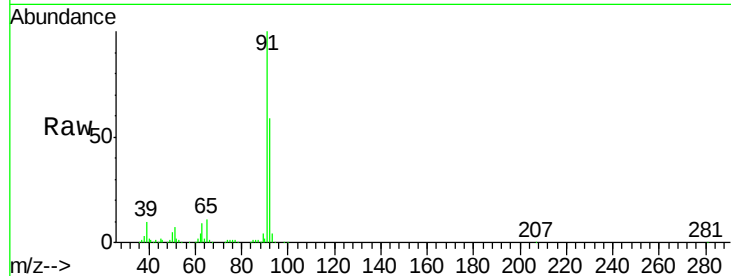
91 173.5 138.7 208.1

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#53

t-1,3-Dichloropropene

Concen: 51.515 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD064860.D

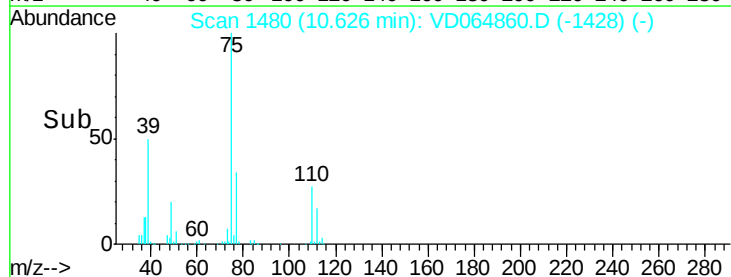
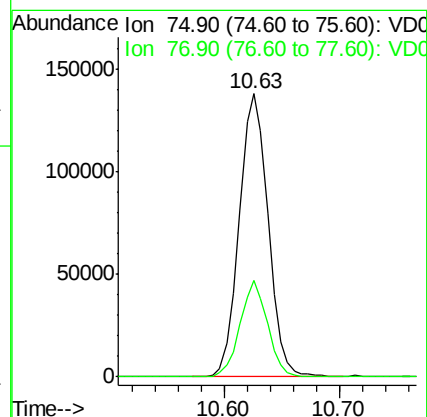
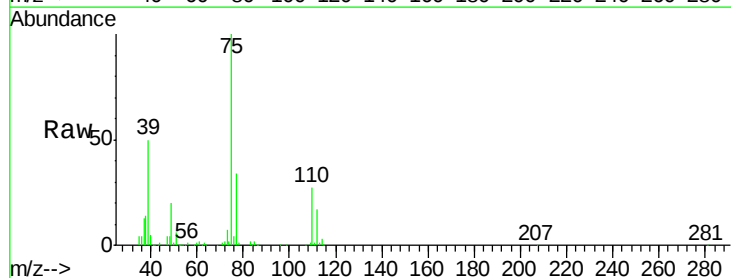
Acq: 17 Jan 2020 13:51

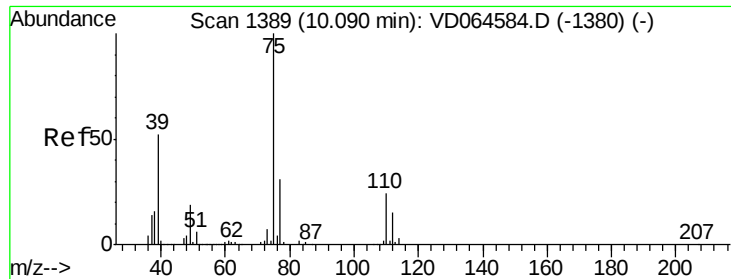
Tgt Ion: 75 Resp: 239414

Ion Ratio Lower Upper

75 100

77 34.0 25.4 38.2





#54

cis-1,3-Dichloropropene

Concen: 51.480 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

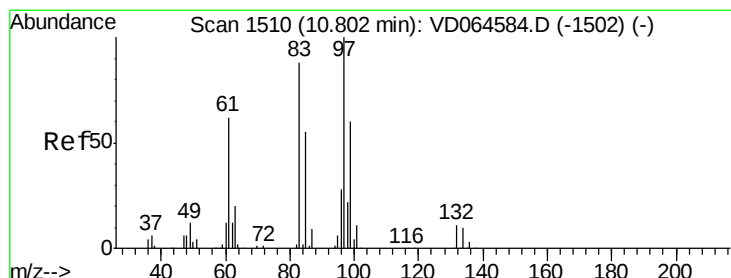
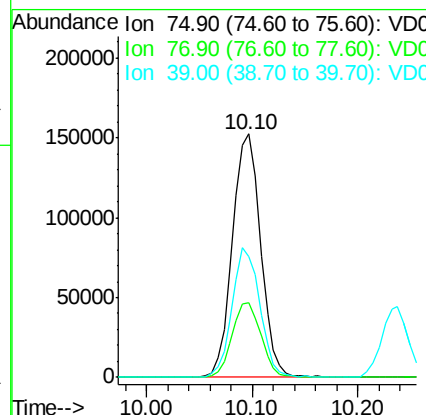
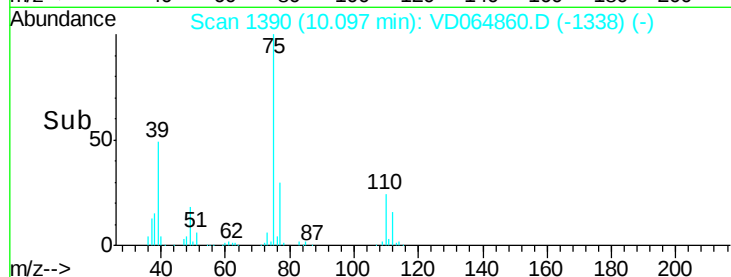
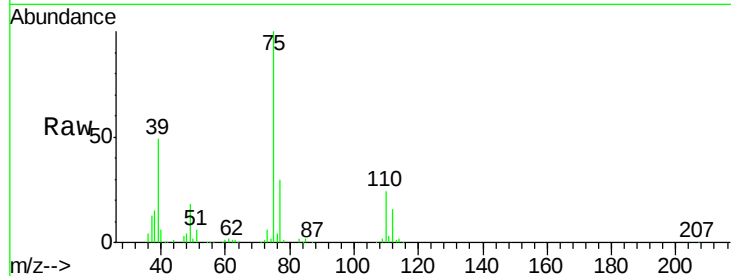
ClientSampleId :

EP-3MSD

Tot Ion:	75	Resp:	282112
Ion Ratio		Lower	Upper
75	100		
77	30.5	24.6	36.8
39	49.3	41.4	62.2

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#55

1,1,2-Trichloroethane

Concen: 50.133 ug/l

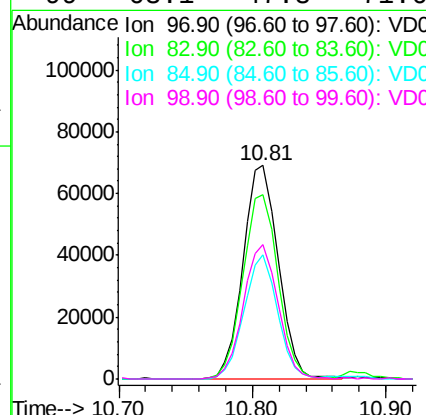
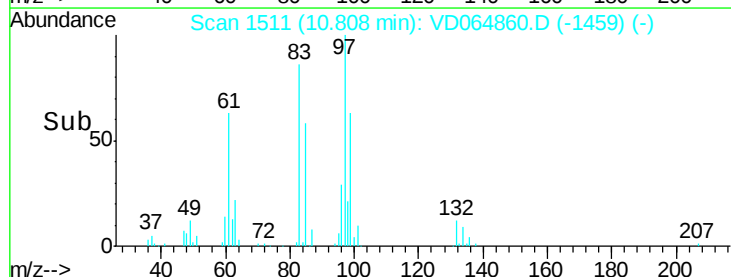
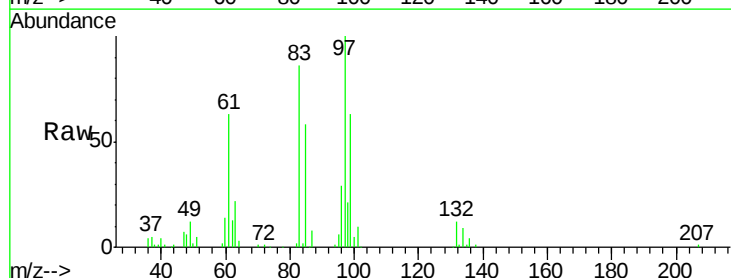
RT: 10.81 min Scan# 1511

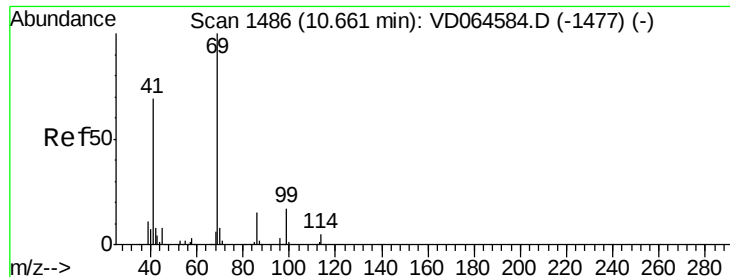
Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion:	97	Resp:	126566
Ion Ratio		Lower	Upper
97	100		
83	86.1	70.2	105.4
85	58.4	44.0	66.0
99	63.1	47.8	71.6





#56

Ethyl methacrylate

Concen: 50.543 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 69 Resp: 159359

Ion Ratio Lower Upper

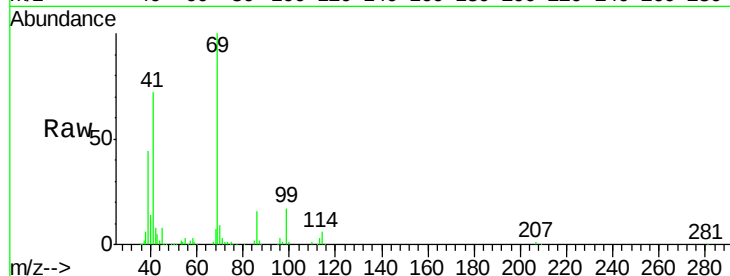
69 100

41 68.7 55.3 82.9

39 40.4 33.8 50.8

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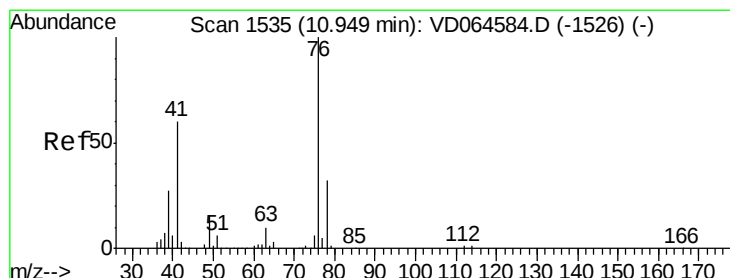
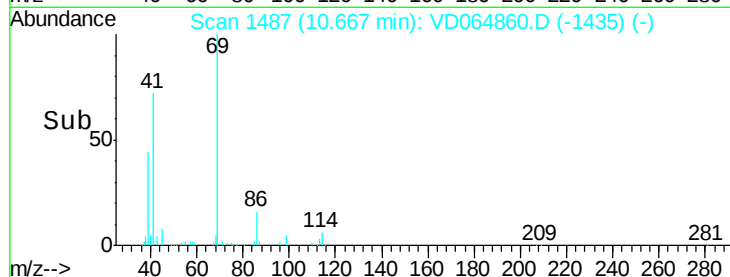
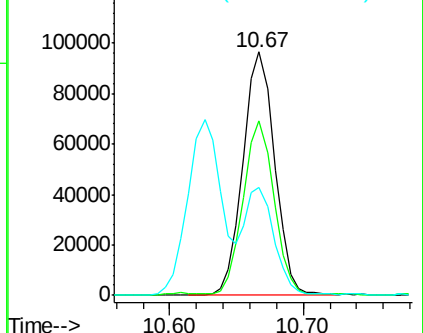
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Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC



#57

1,3-Dichloropropane

Concen: 51.065 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064860.D

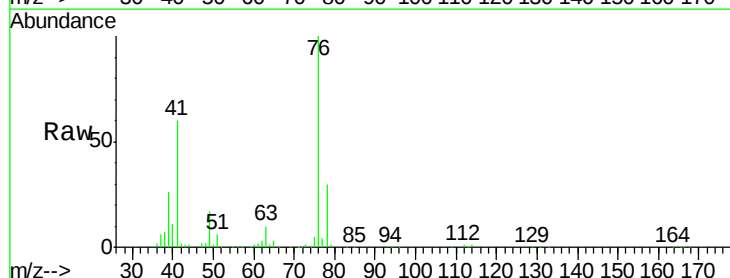
Acq: 17 Jan 2020 13:51

Tgt Ion: 76 Resp: 221977

Ion Ratio Lower Upper

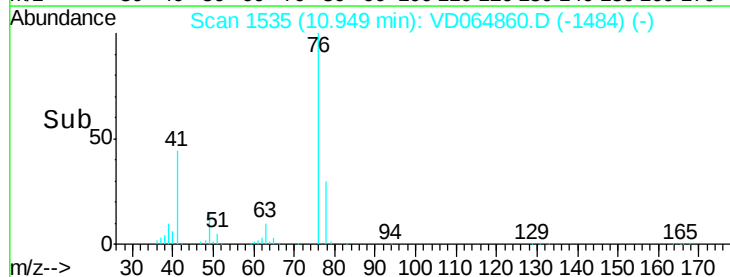
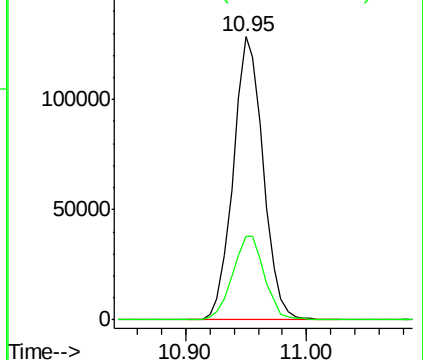
76 100

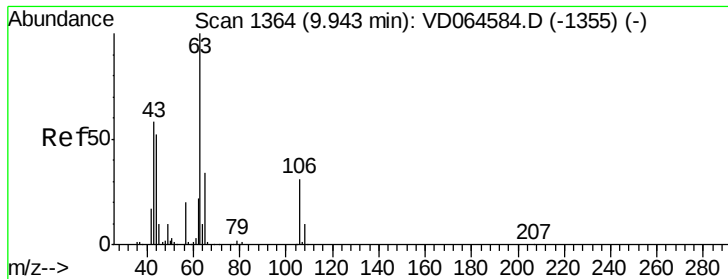
78 31.7 26.2 39.4



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC





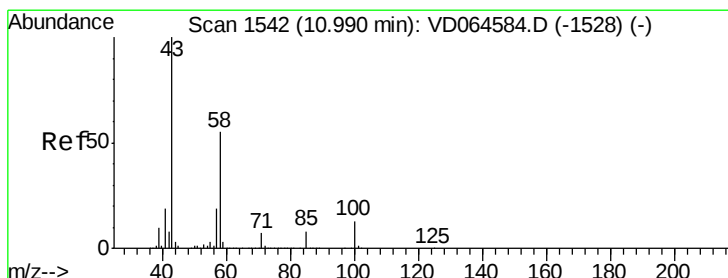
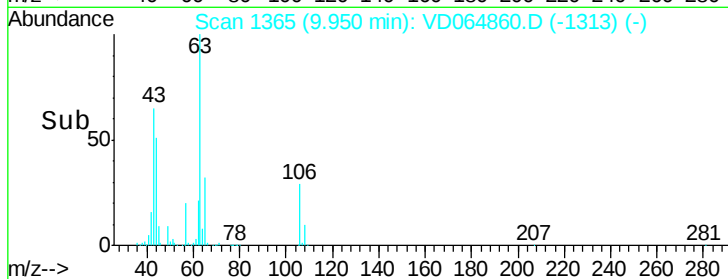
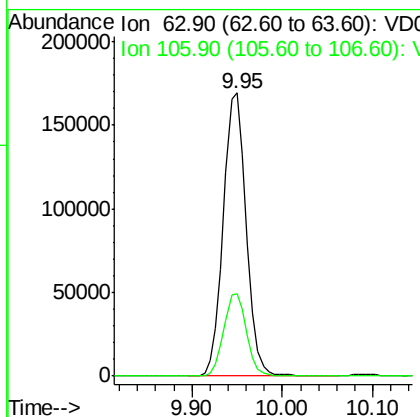
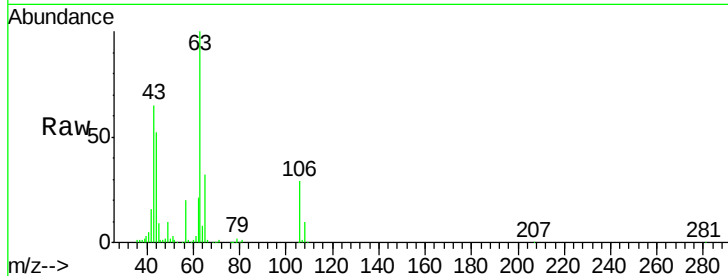
#58
 2-Chloroethyl Vinyl ether
 Concen: 246.927 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion: 63 Resp: 296620
 Ion Ratio Lower Upper
 63 100
 106 28.8 23.8 35.8

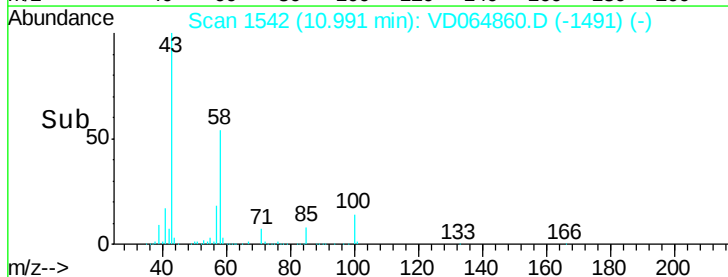
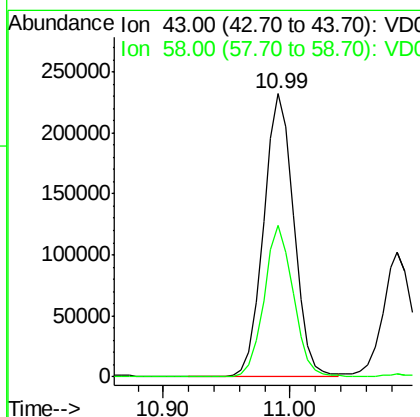
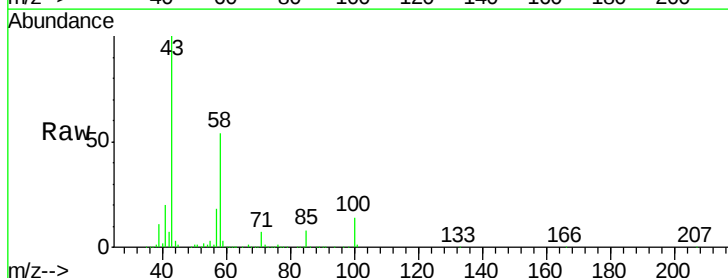
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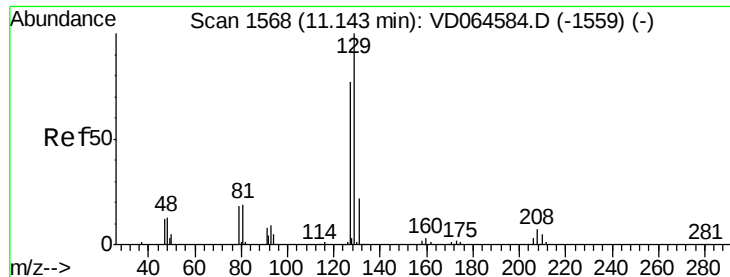
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#59
 2-Hexanone
 Concen: 284.423 ug/l
 RT: 10.99 min Scan# 1542
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion: 43 Resp: 384618
 Ion Ratio Lower Upper
 43 100
 58 51.8 26.4 79.0





#60

Dibromochloromethane

Concen: 50.492 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampled :

EP-3MSD

Tot Ion:129 Resp: 176279

Ion Ratio Lower Upper

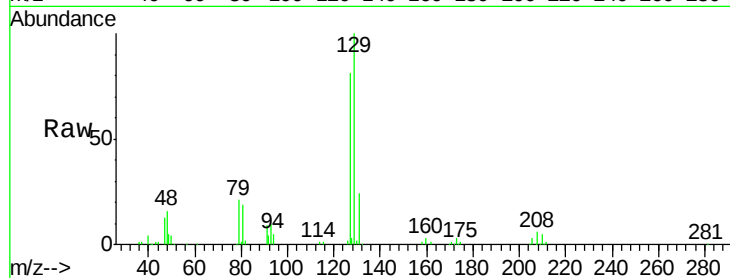
129 100

127 76.9 38.4 115.2

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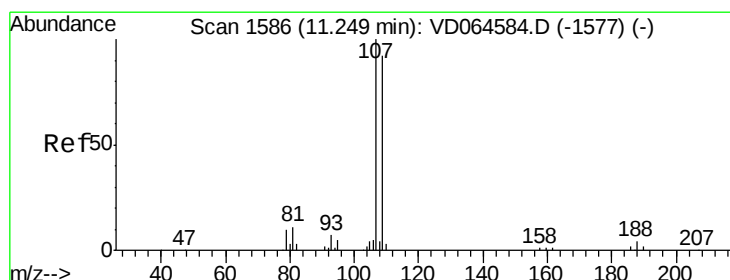
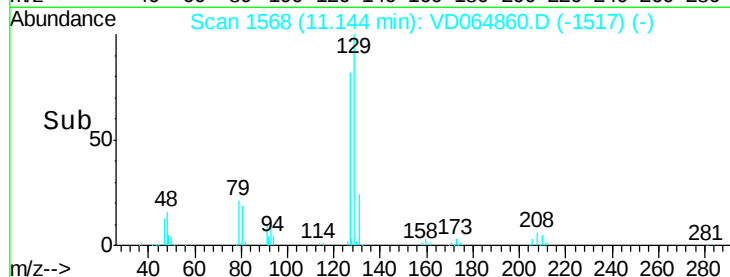
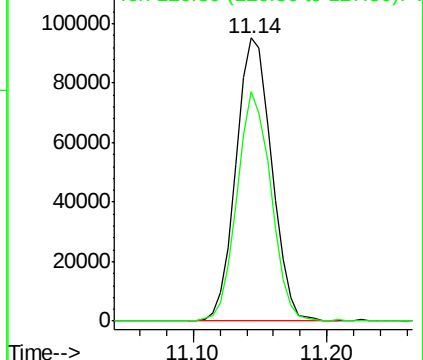
MMDadoda

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Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 49.810 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD064860.D

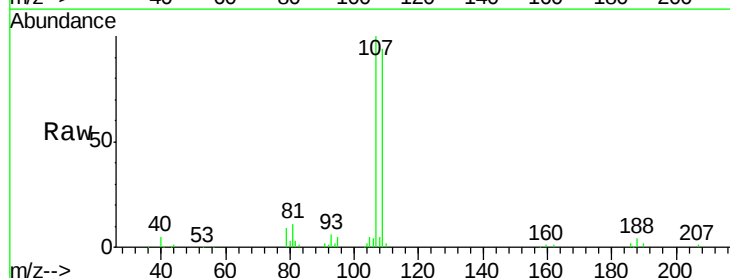
Acq: 17 Jan 2020 13:51

Tgt Ion:107 Resp: 124031

Ion Ratio Lower Upper

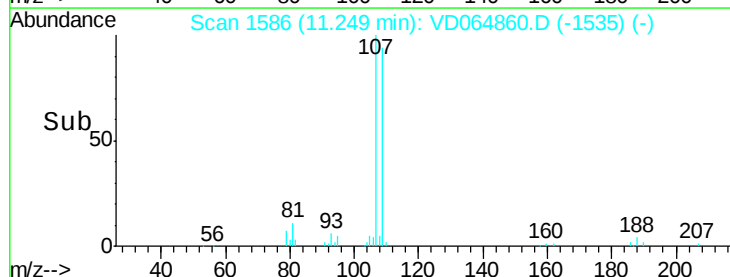
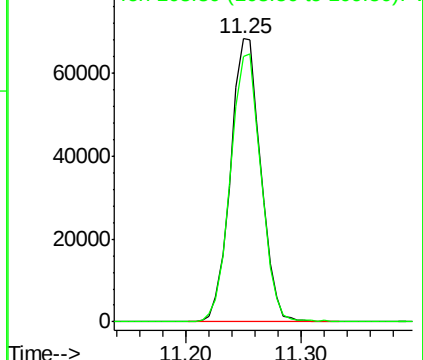
107 100

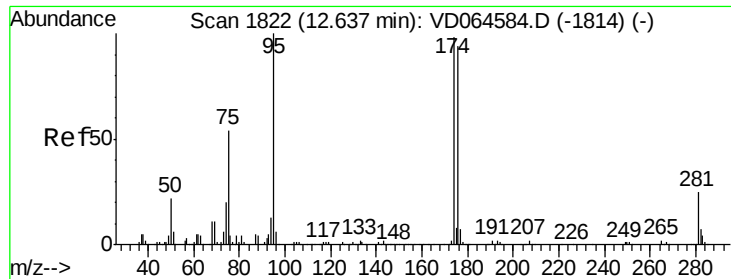
109 95.7 75.6 113.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





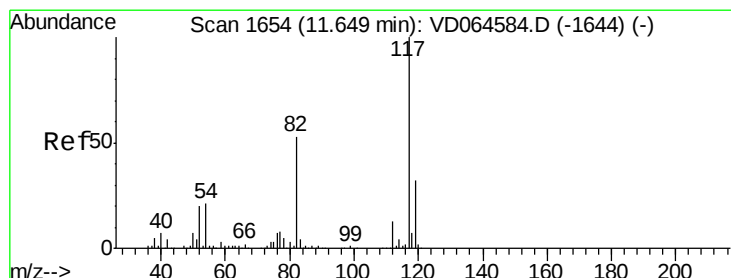
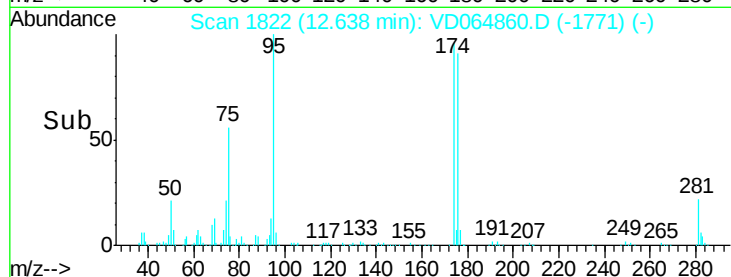
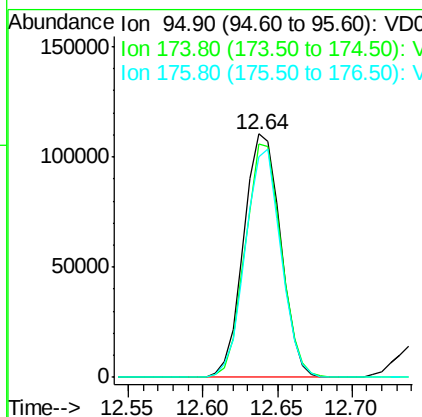
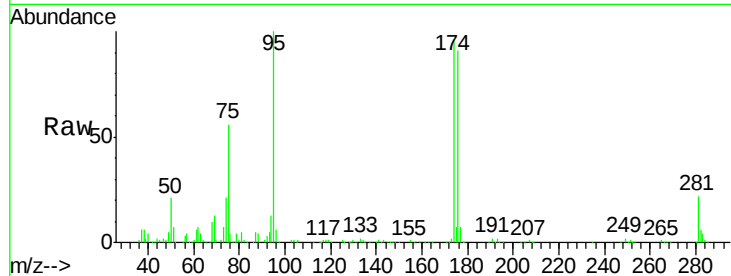
#62
4-Bromofluorobenzene
Concen: 47.369 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
95	100	188500		
174	93.4	0.0	193.2	
176	90.6	0.0	184.2	

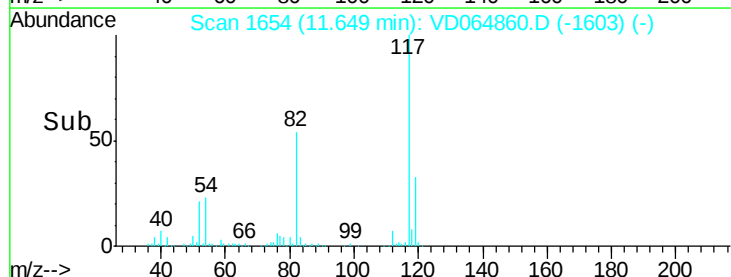
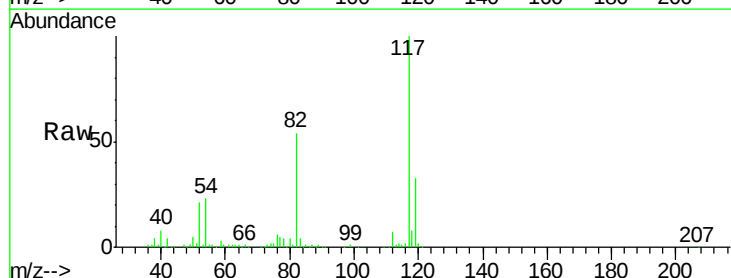
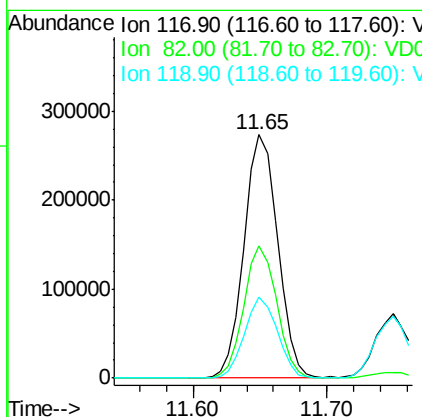
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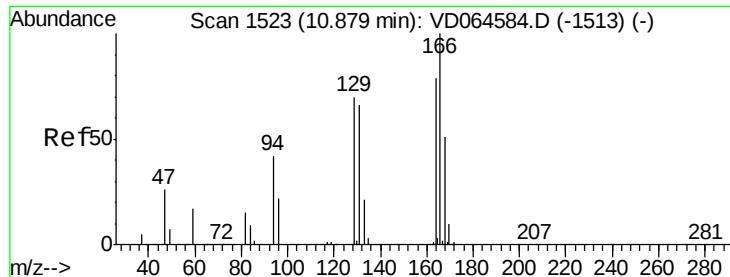
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	478082		
82	54.3	42.2	63.4	
119	33.2	26.0	39.0	





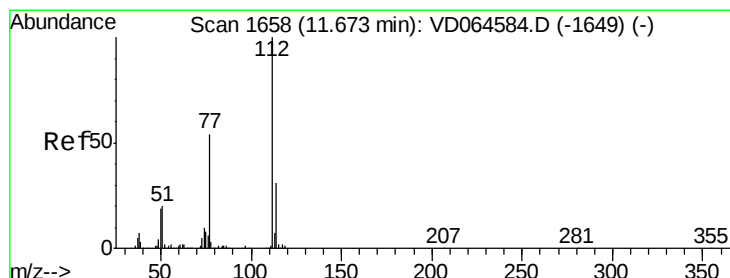
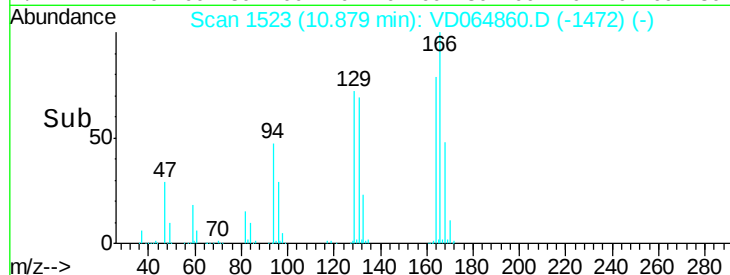
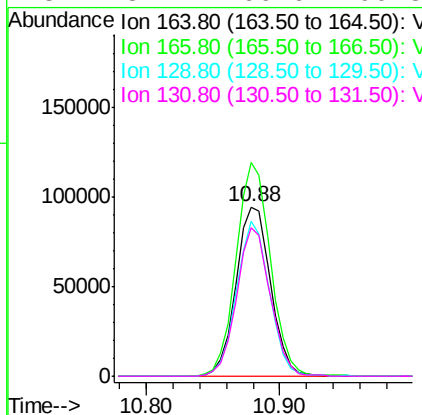
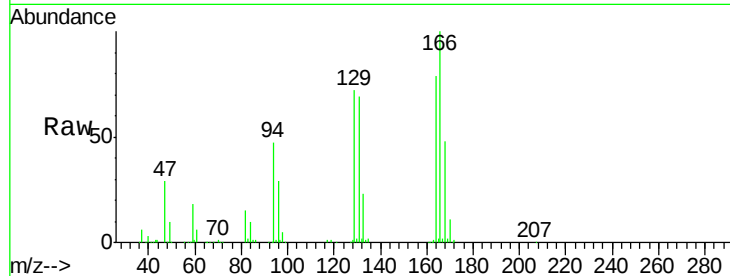
#64
Tetrachloroethene
Concen: 45.954 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
164	100		
166	126.1	101.3	151.9
129	91.1	70.5	105.7
131	87.4	66.6	99.8

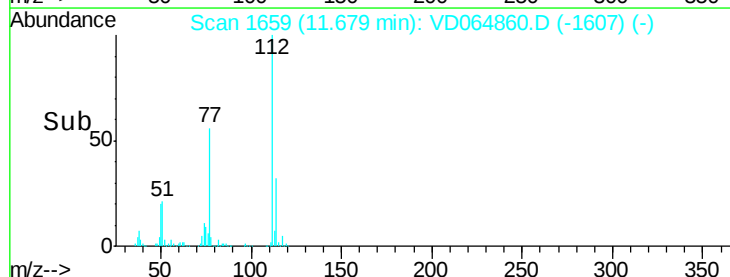
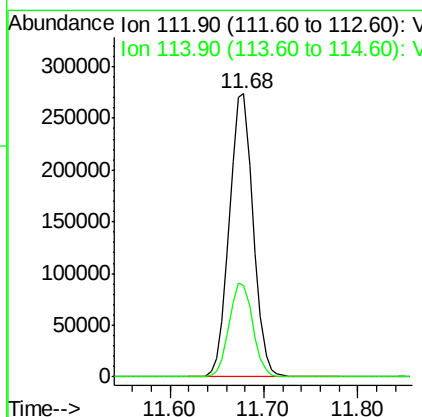
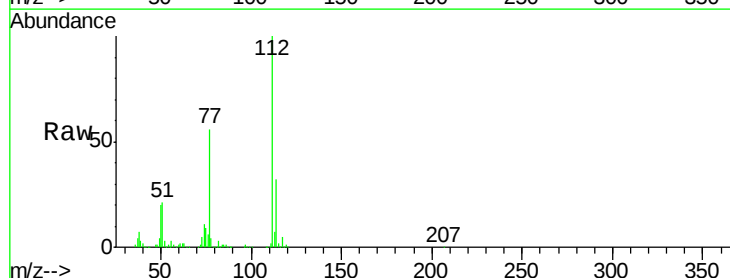
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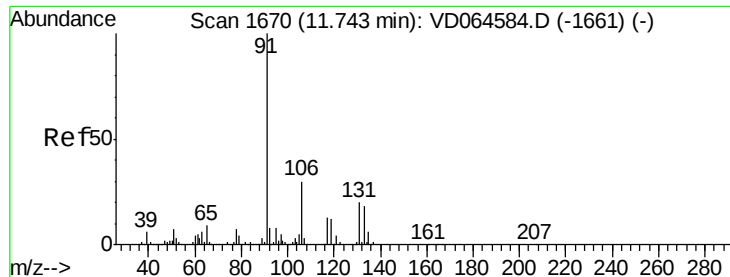
MMDadoda
1/20/2020 11:14:20 AM



#65
Chlorobenzene
Concen: 48.634 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.8	37.2





#66

1,1,1,2-Tetrachloroethane

Concen: 51.706 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

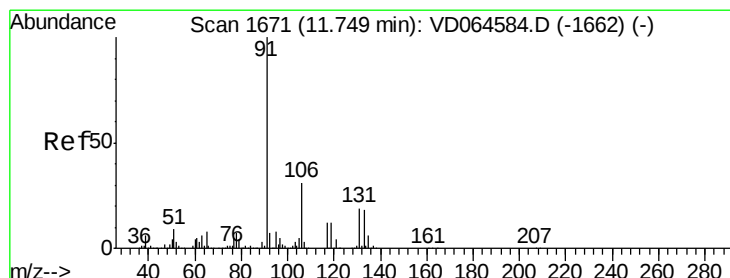
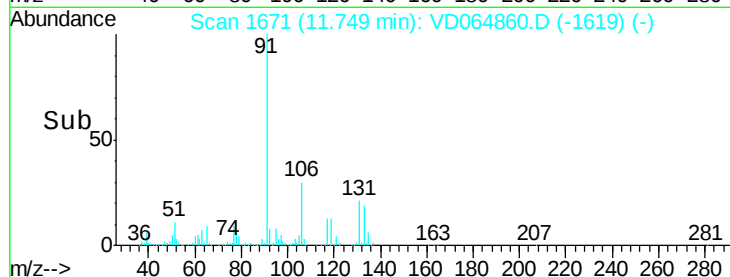
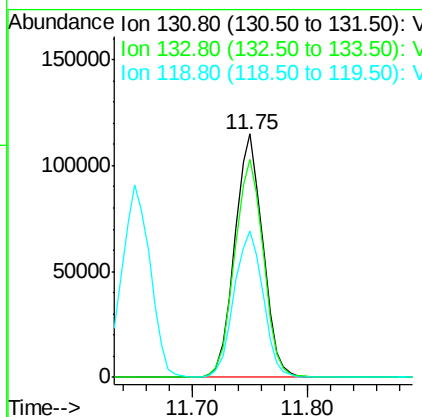
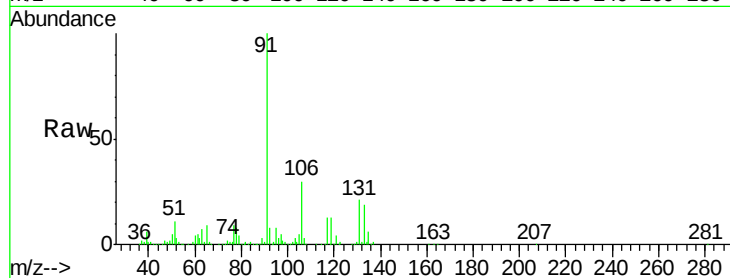
ClientSampleId :

EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	193415		
133	92.3	48.3	144.8	
119	62.6	32.1	96.3	

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#67

Ethyl Benzene

Concen: 48.778 ug/l

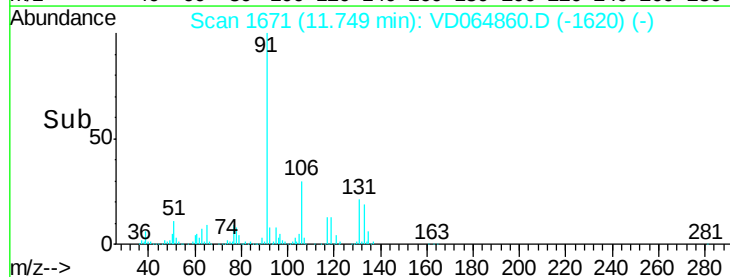
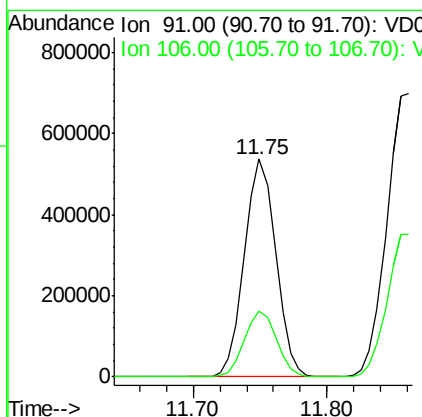
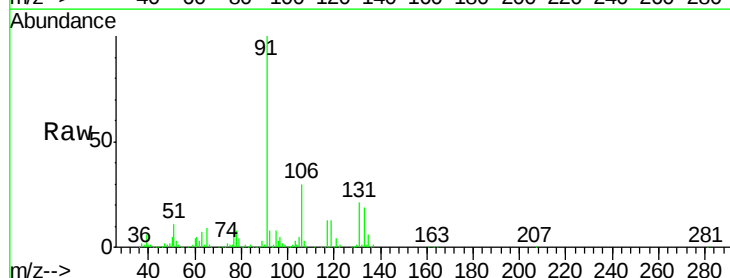
RT: 11.75 min Scan# 1671

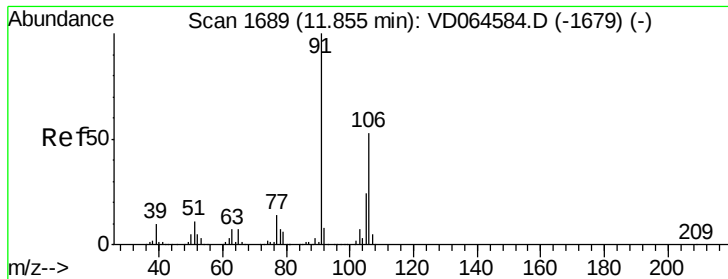
Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	878493		
106	30.2	24.6	36.8	





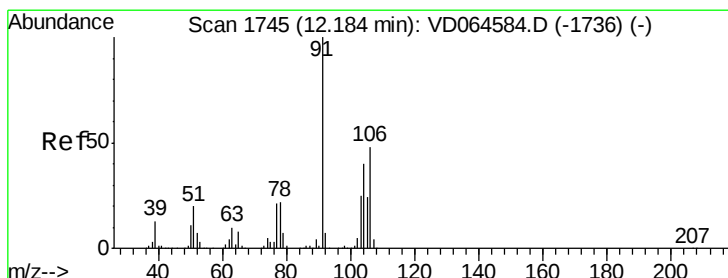
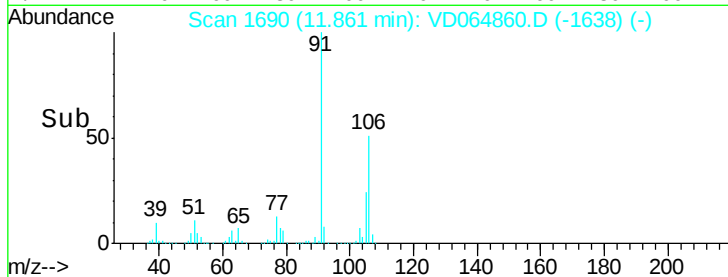
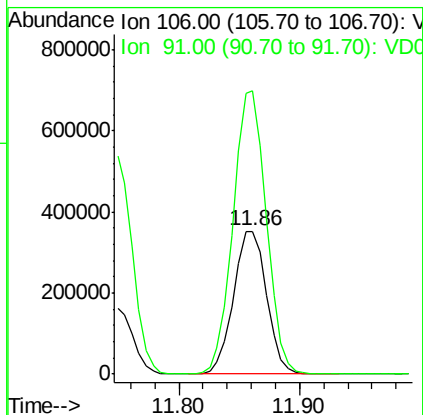
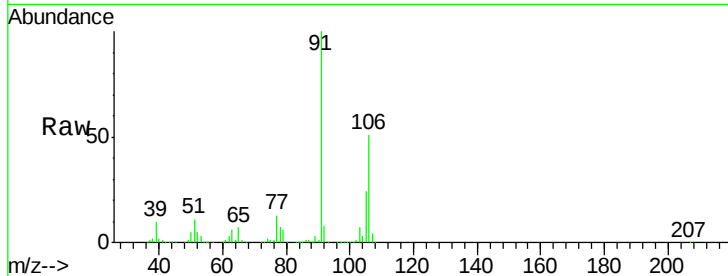
#68
m/p-Xylenes
Concen: 97.056 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		674682		
91	198.9	156.3	234.5		

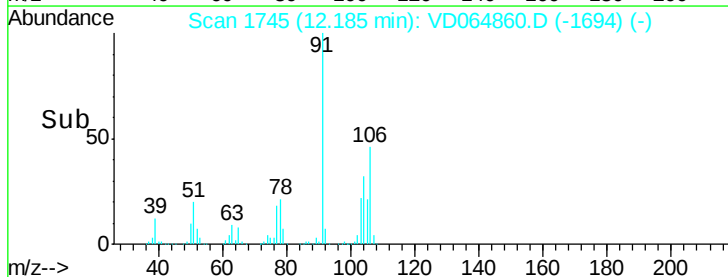
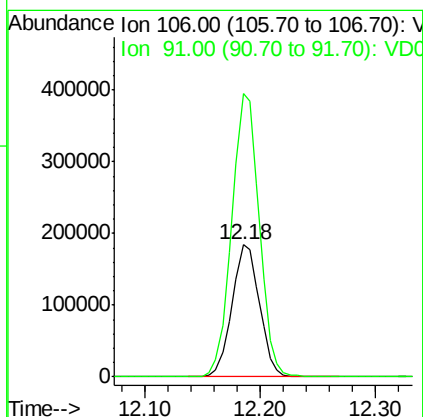
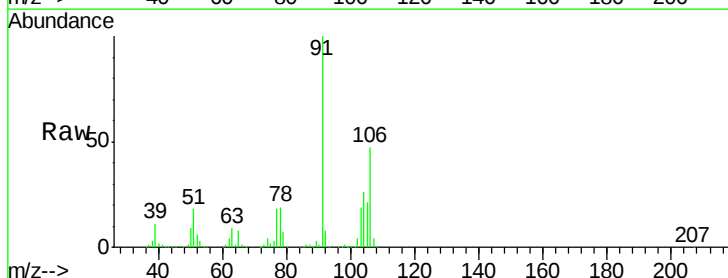
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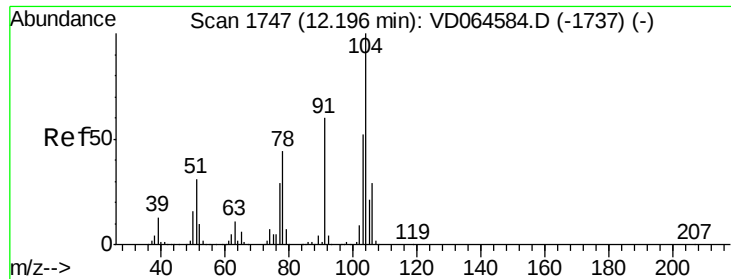
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#69
o-Xylene
Concen: 48.411 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		303968		
91	214.0	104.8	314.4		





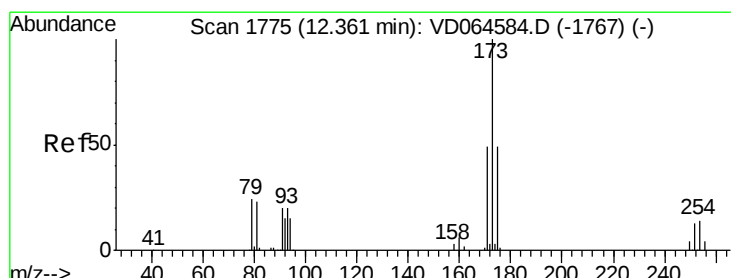
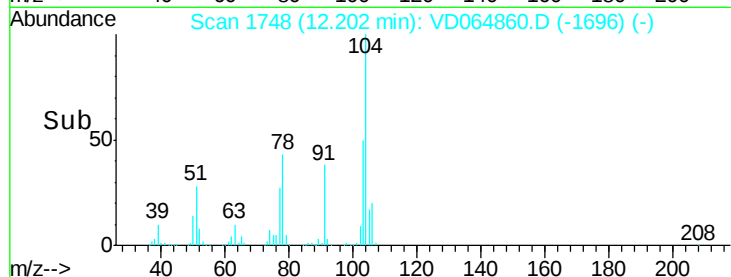
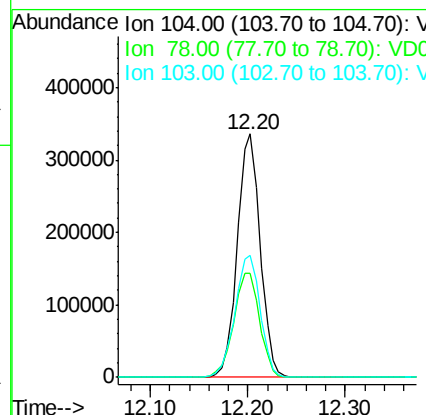
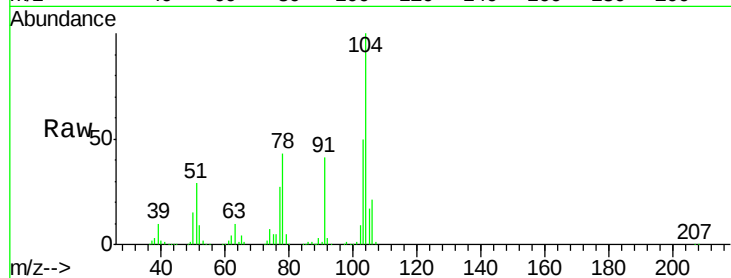
#70
Stvrene
Concen: 49.564 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	48.7	38.2	57.2
103	55.3	44.6	67.0

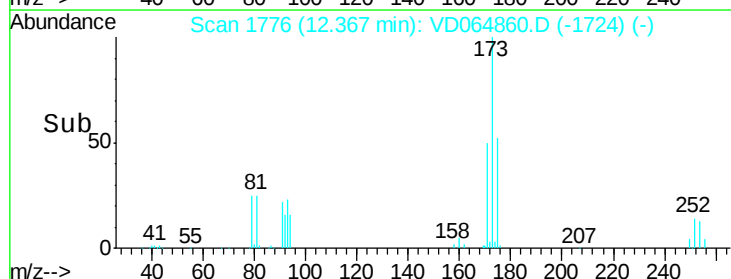
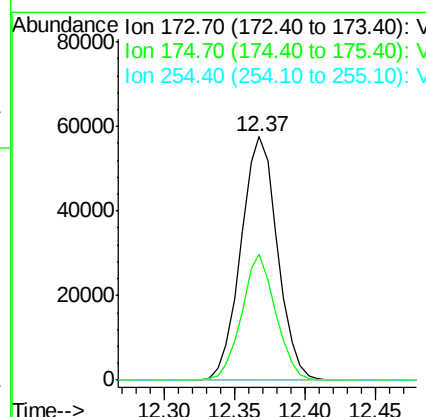
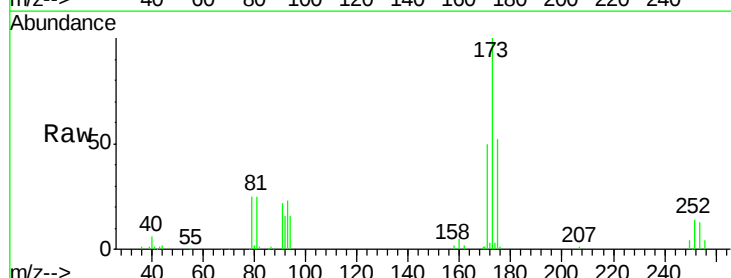
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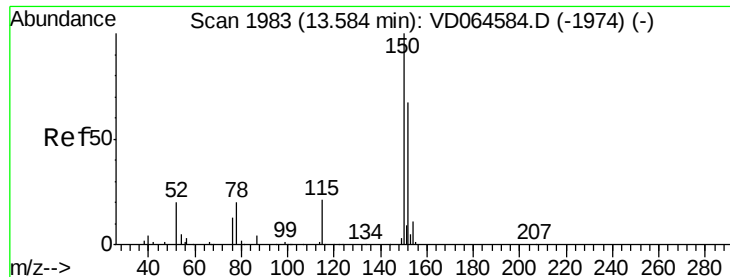
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#71
Bromoform
Concen: 48.860 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.6	73.8
254	0.0	0.1	0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

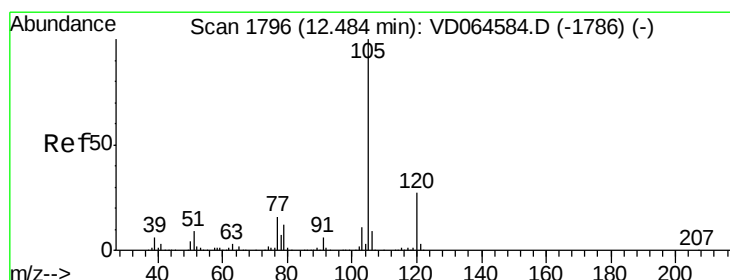
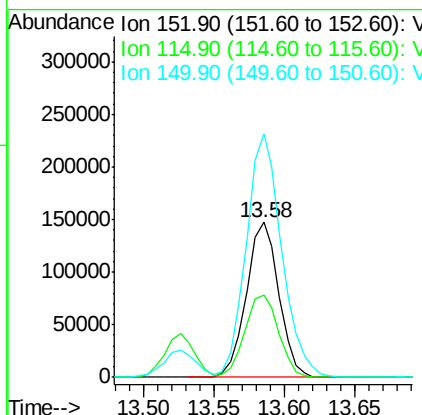
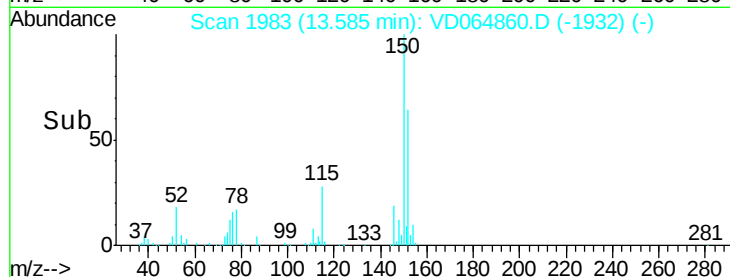
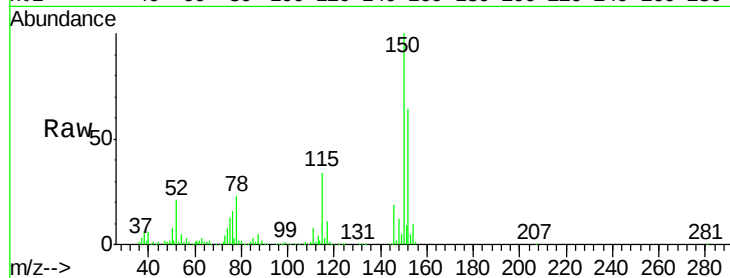
ClientSampleId :

EP-3MSD

Tot Ion:	152	Resp:	238135
Ion Ratio	Lower	Upper	
152	100		
115	55.6	27.8	83.4
150	171.5	0.0	351.4

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#73

Isopropylbenzene

Concen: 49.209 ug/l

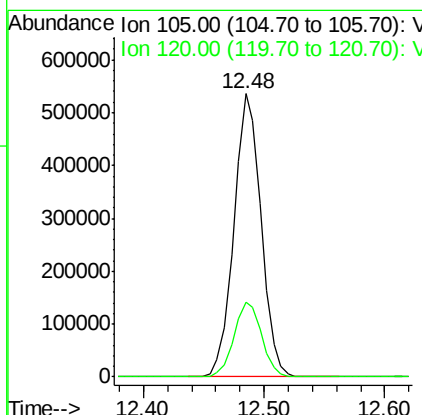
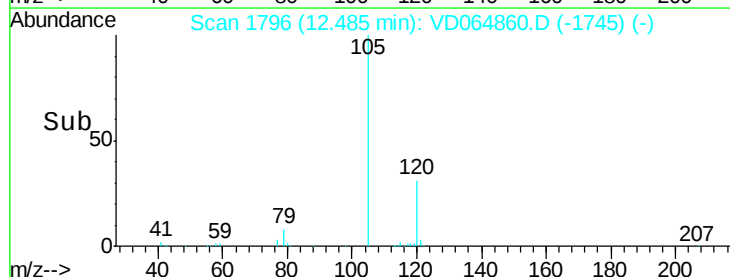
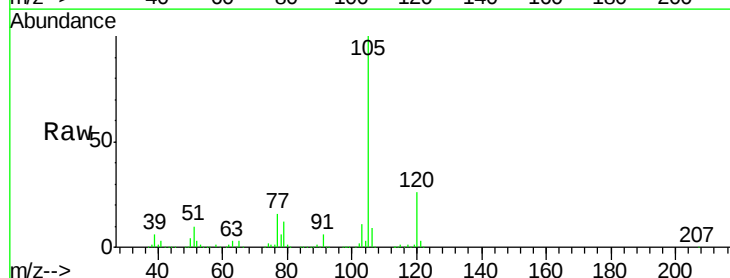
RT: 12.48 min Scan# 1796

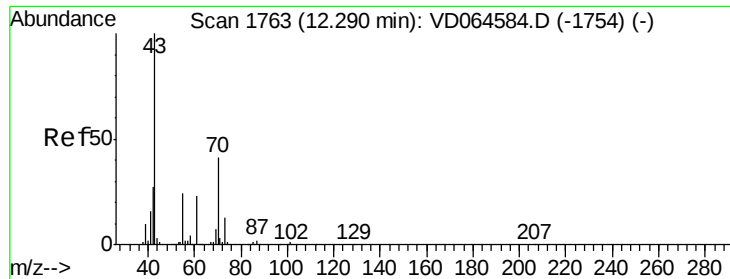
Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion:	105	Resp:	837416
Ion Ratio	Lower	Upper	
105	100		
120	26.9	13.5	40.5





#74

N-amvl acetate

Concen: 49.245 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

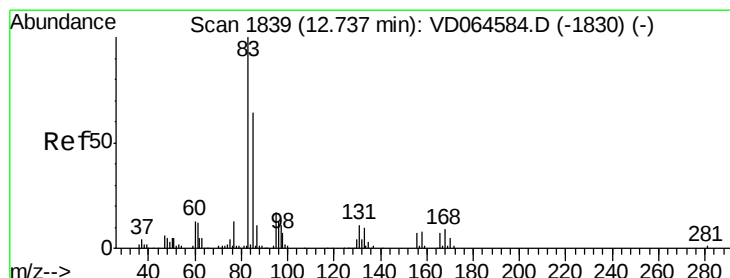
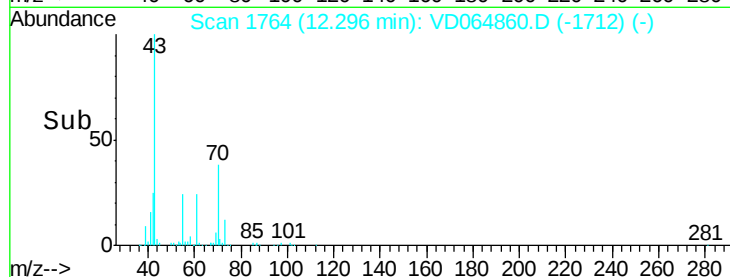
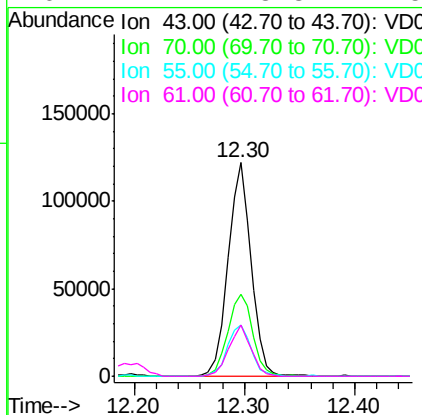
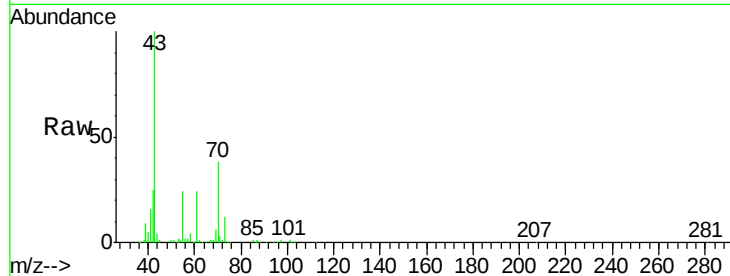
ClientSampleId :

EP-3MSD

Tot Ion:	43	Resp:	179143
Ion	Ratio	Lower	Upper
43	100		
70	40.9	33.4	50.0
55	24.9	19.4	29.0
61	22.7	18.3	27.5

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#75

1,1,2,2-Tetrachloroethane

Concen: 50.463 ug/l

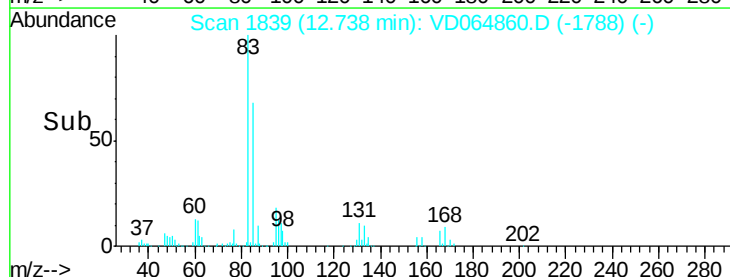
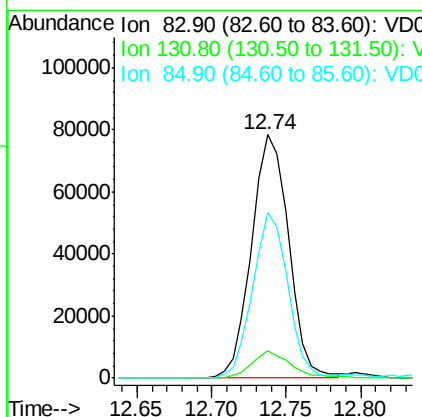
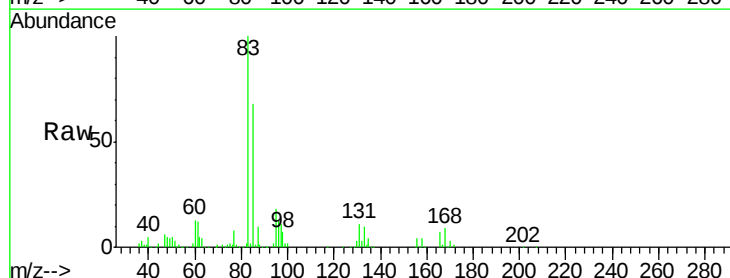
RT: 12.74 min Scan# 1839

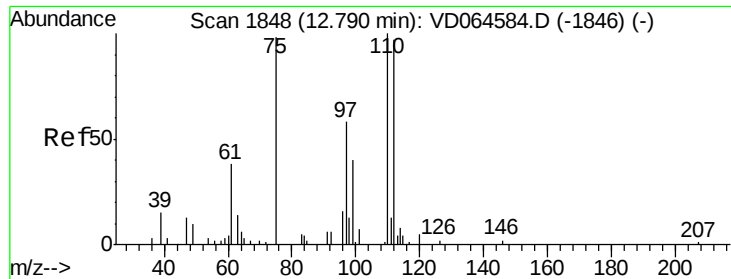
Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Tgt Ion:	83	Resp:	134904
Ion	Ratio	Lower	Upper
83	100		
131	11.5	5.8	17.4
85	64.7	32.3	96.9





#76

1,2,3-Trichloropropane

Concen: 48.762 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampled :

EP-3MSD

Tot Ion: 75 Resp: 91695

Ion Ratio Lower Upper

75 100

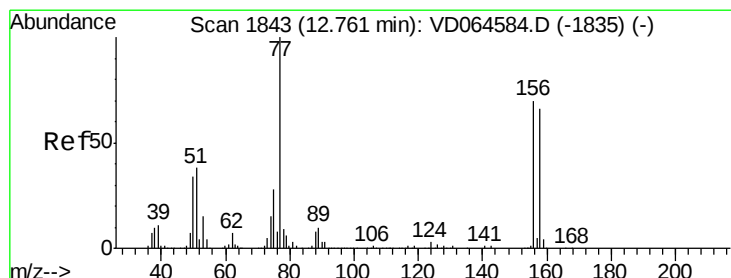
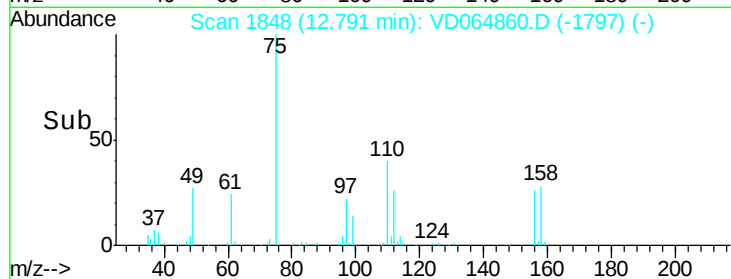
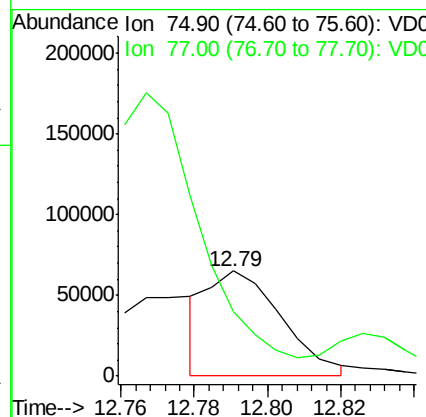
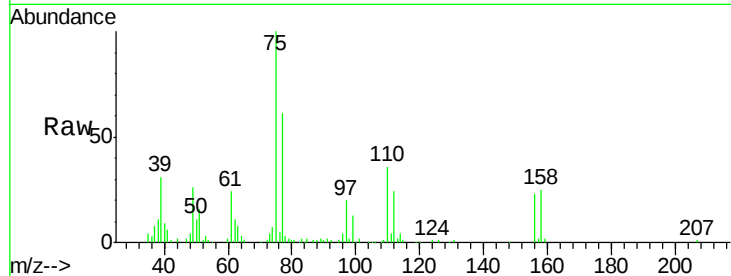
77 0.0 0.0 0.0

Manual Integrations

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#77

Bromobenzene

Concen: 49.247 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

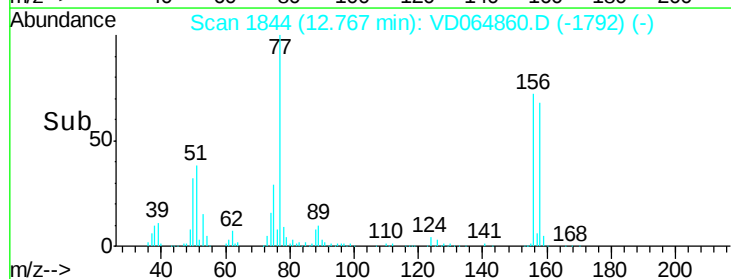
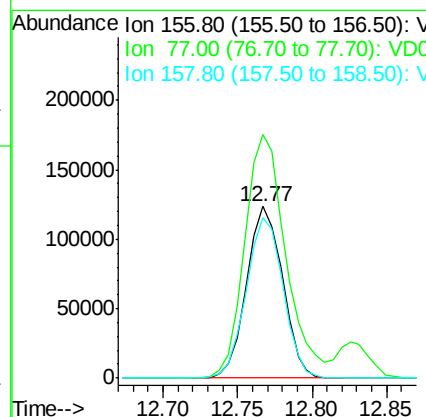
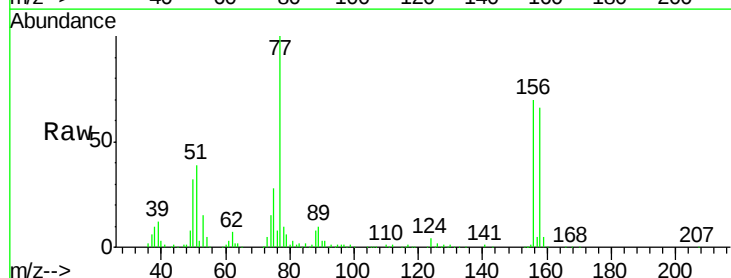
Tgt Ion: 156 Resp: 205924

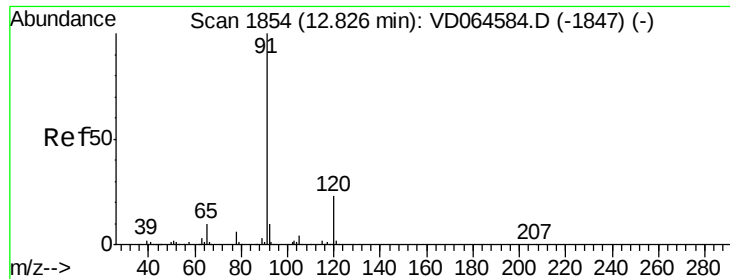
Ion Ratio Lower Upper

156 100

77 161.9 80.9 242.7

158 95.9 48.0 144.2





#78

n-propylbenzene

Concen: 49.535 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion: 91 Resp: 983431

Ion Ratio Lower Upper

91 100

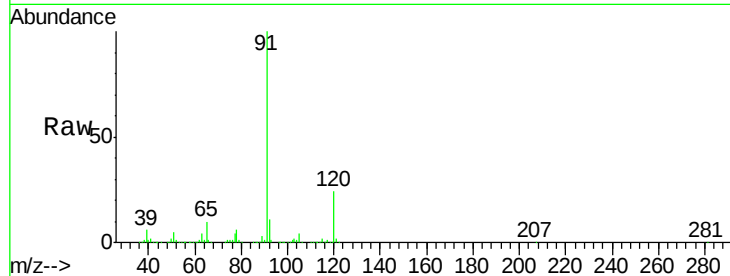
120 23.7 11.9 35.9

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.83

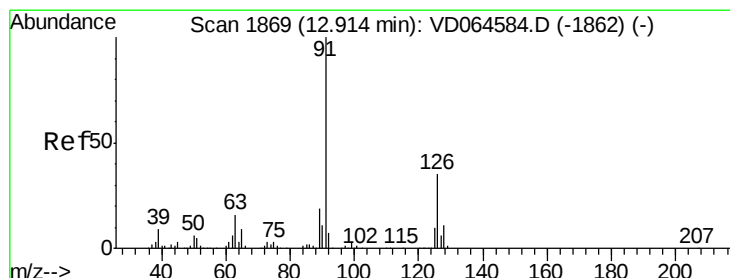
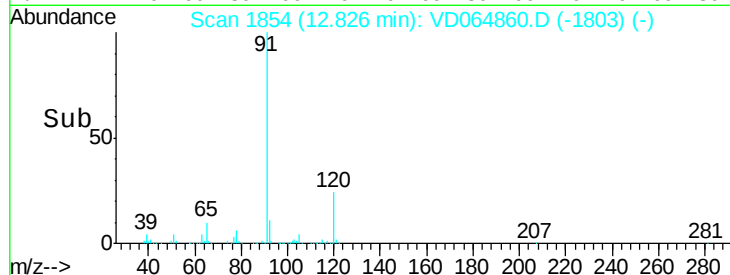
600000

400000

200000

0

Time--> 12.75 12.80 12.85



#79

2-Chlorotoluene

Concen: 49.647 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064860.D

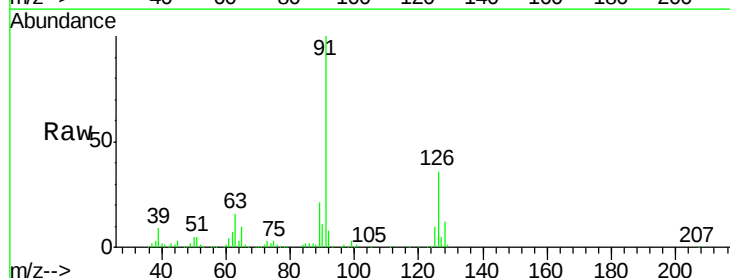
Acq: 17 Jan 2020 13:51

Tgt Ion: 91 Resp: 541461

Ion Ratio Lower Upper

91 100

126 35.8 17.8 53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

500000

400000

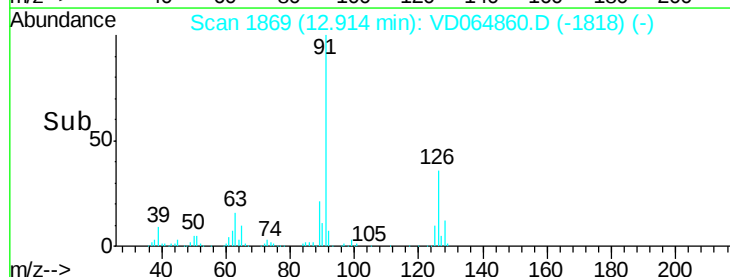
300000

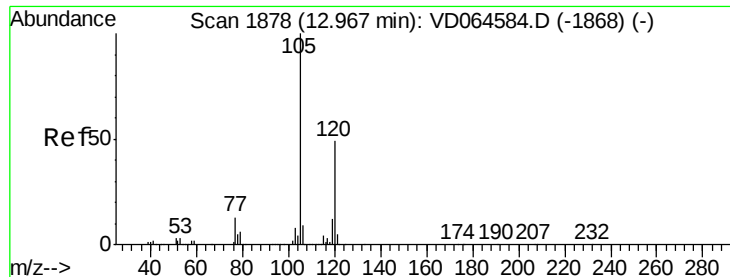
200000

100000

0

Time--> 12.85 12.90 12.95





#80

1,3,5-Trimethylbenzene

Concen: 49.126 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

Instrument :

MSVOA_D

ClientSampleId :

EP-3MSD

Tot Ion:105 Resp: 686737

Ion Ratio Lower Upper

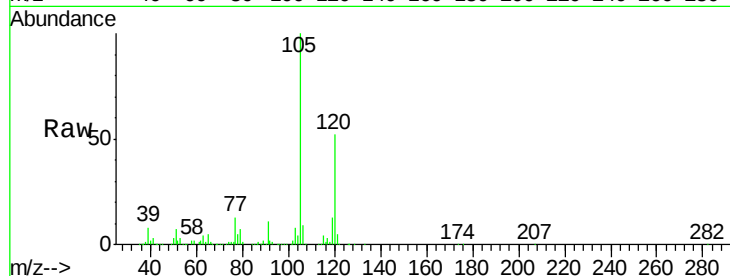
105 100

120 51.0 25.0 75.0

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

Ion 120.00 (119.70 to 120.70): V

12.97

400000

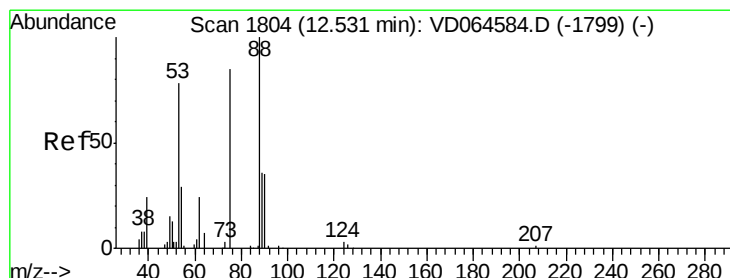
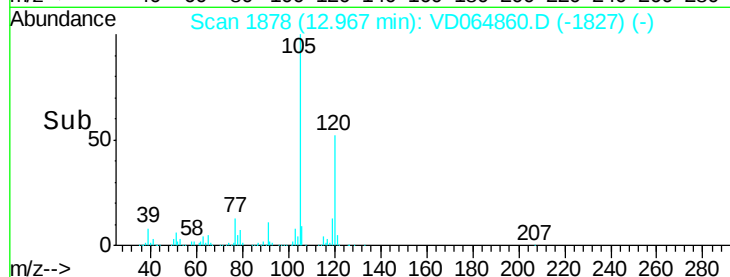
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 52.067 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064860.D

Acq: 17 Jan 2020 13:51

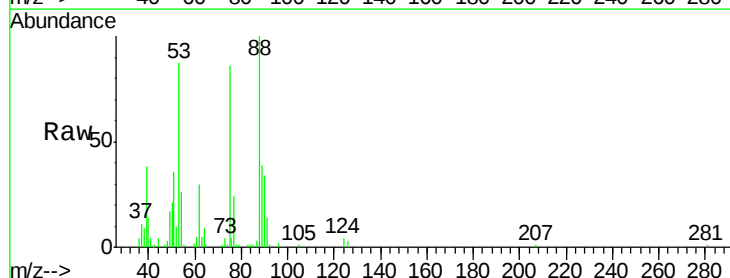
Tgt Ion: 75 Resp: 46814

Ion Ratio Lower Upper

75 100

53 95.6 78.8 118.2

89 45.7 38.3 57.5



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 53.00 (52.70 to 53.70): V

Ion 88.90 (88.60 to 89.60): V

12.54

80000

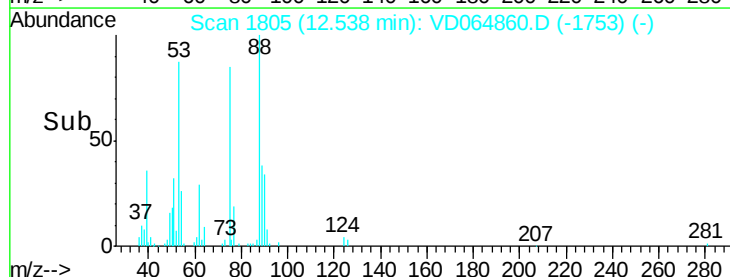
60000

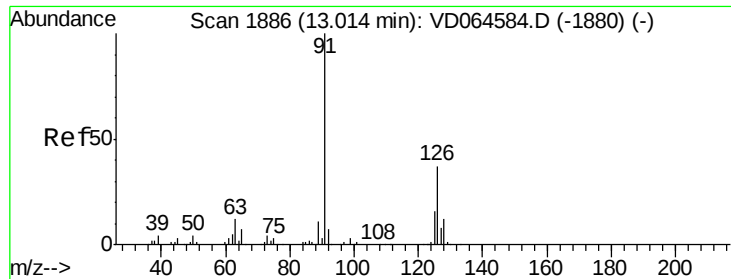
40000

20000

0

Time-->





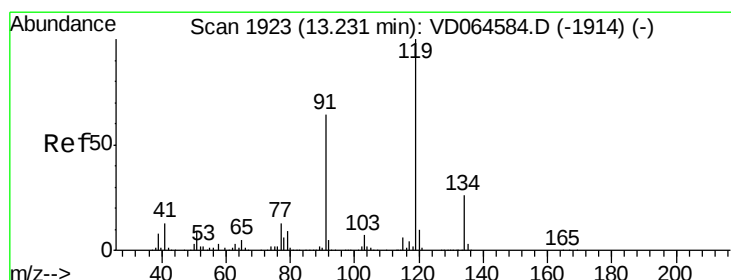
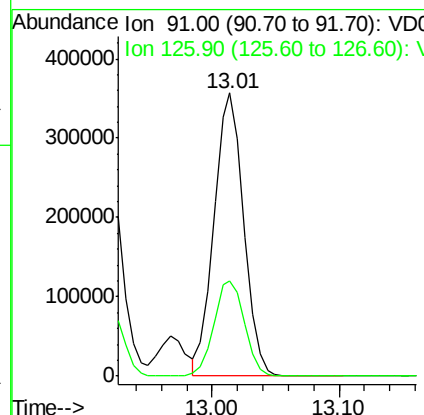
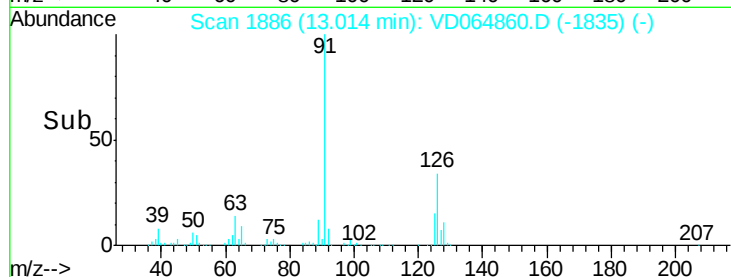
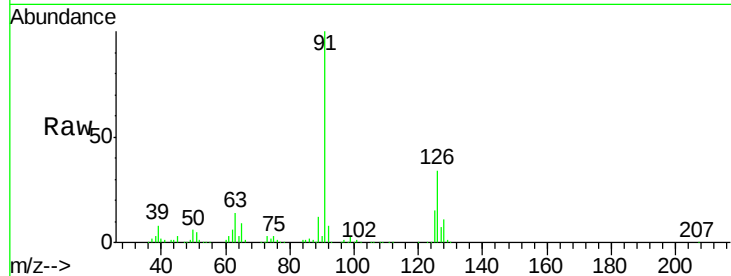
#82
4-Chlorotoluene
Concen: 50.009 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion: 91 Resp: 580423
Ion Ratio Lower Upper
91 100
126 34.9 17.8 53.5

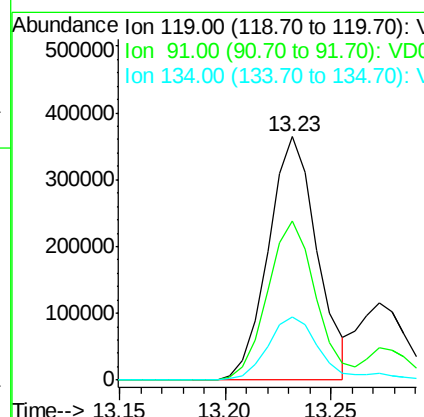
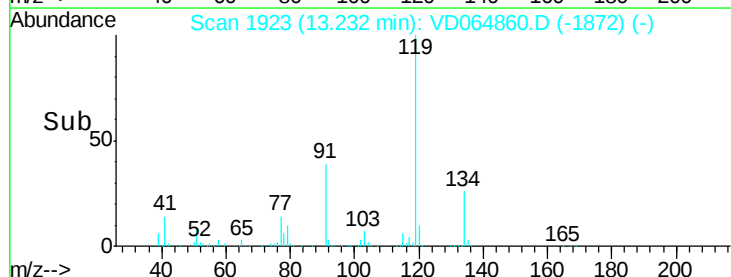
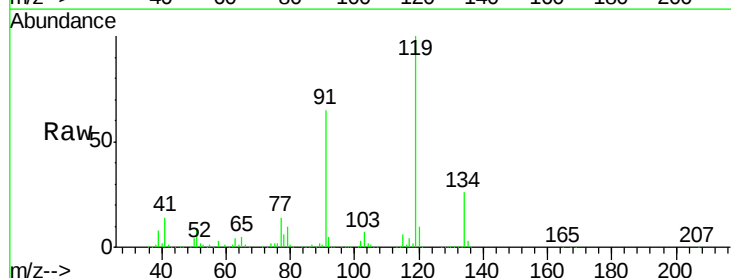
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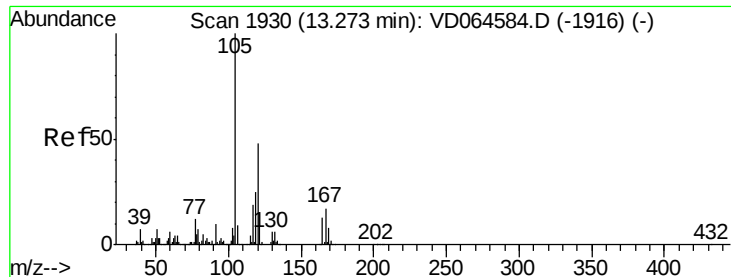
MMDadoda
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#83
tert-Butylbenzene
Concen: 48.408 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion: 119 Resp: 587547
Ion Ratio Lower Upper
119 100
91 65.1 30.8 92.4
134 28.4 12.8 38.3





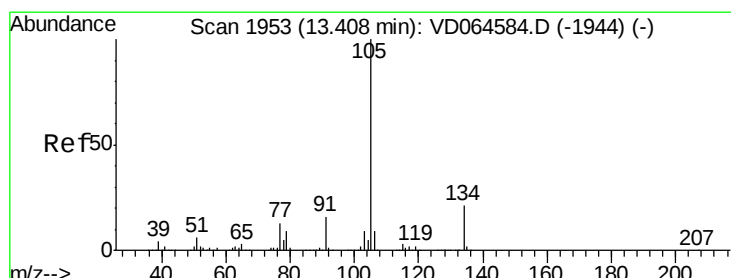
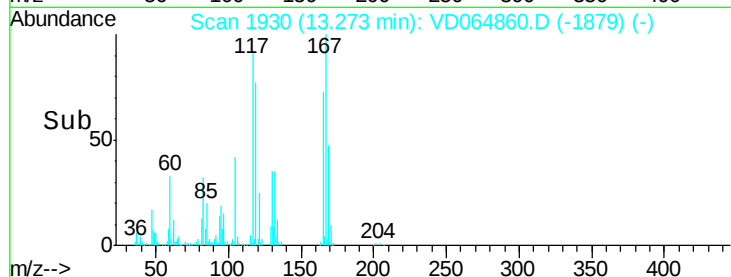
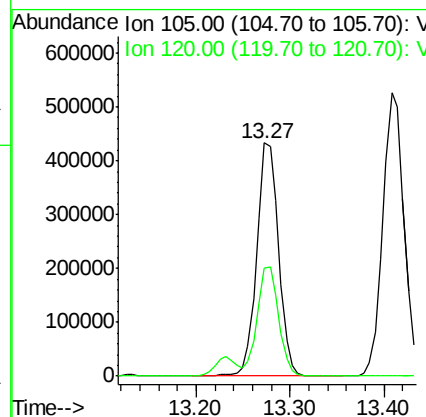
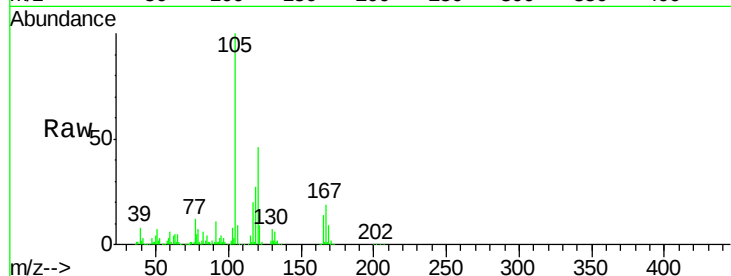
#84
 1,2,4-Trimethylbenzene
 Concen: 50.045 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.8	71.2

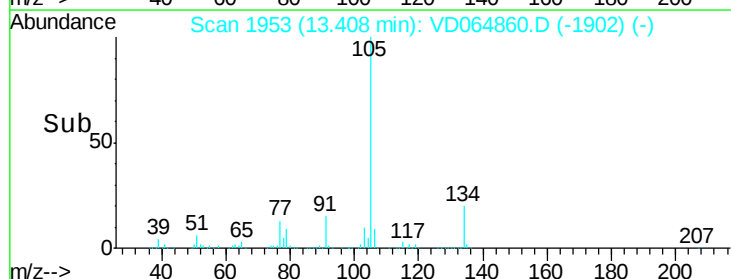
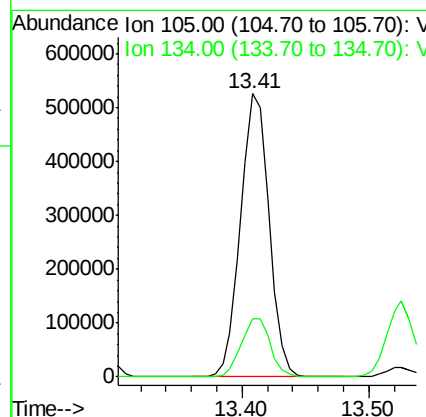
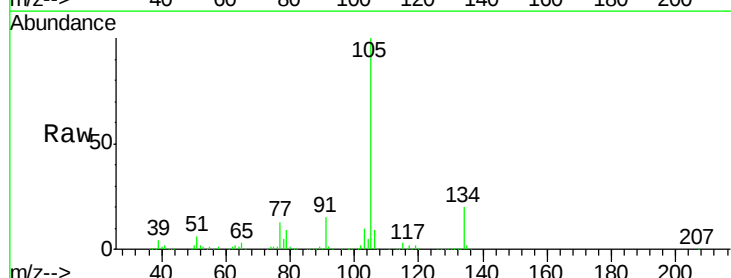
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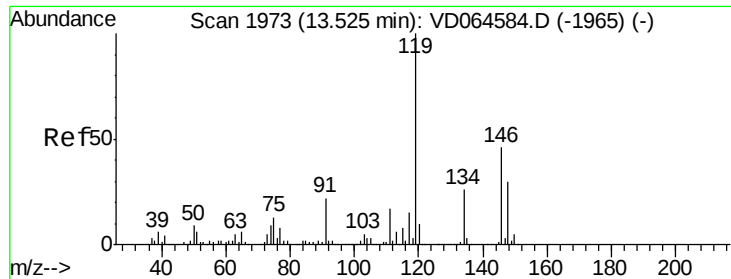
MMDadoda
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#85
 sec-Butylbenzene
 Concen: 49.256 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.6	31.8





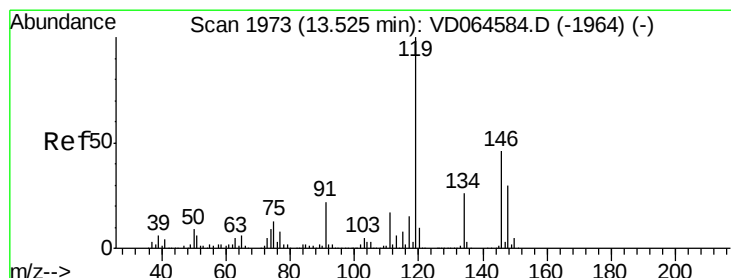
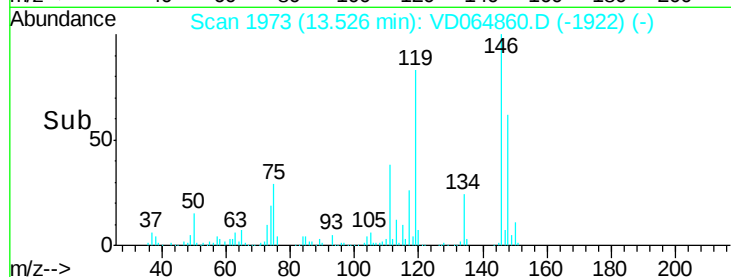
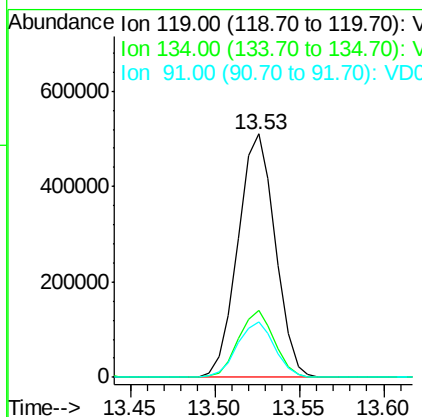
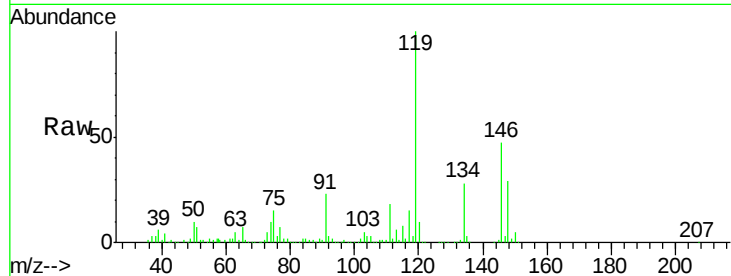
#86
p-Isopropyltoluene
Concen: 49.242 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
119	100	783474		
134	26.5		13.4	40.1
91	22.8		11.2	33.6

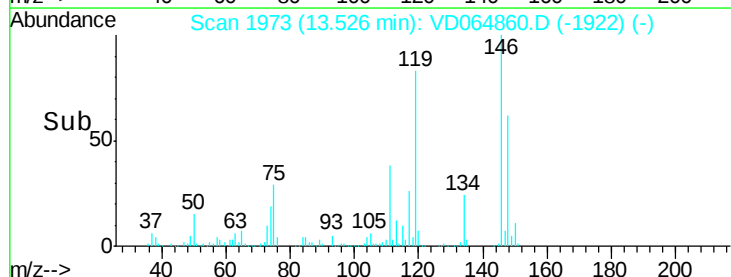
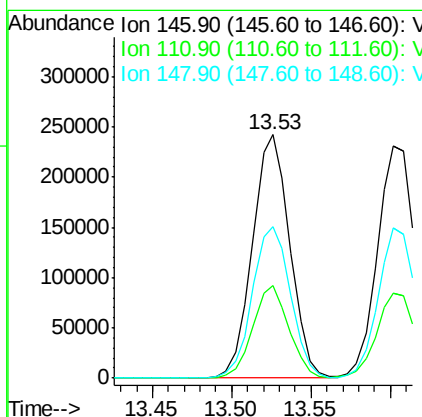
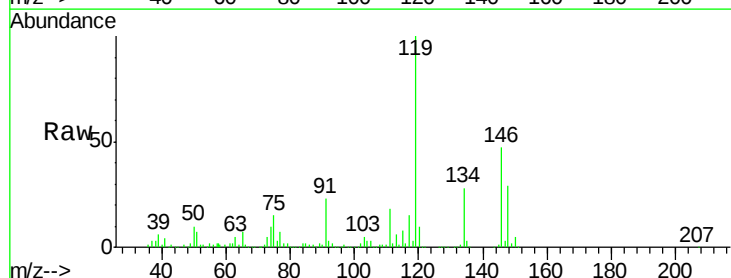
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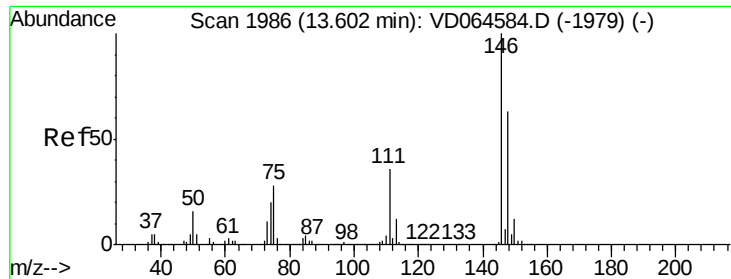
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#87
1,3-Dichlorobenzene
Concen: 49.759 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	396642		
111	36.7		18.8	56.4
148	63.9		32.5	97.5





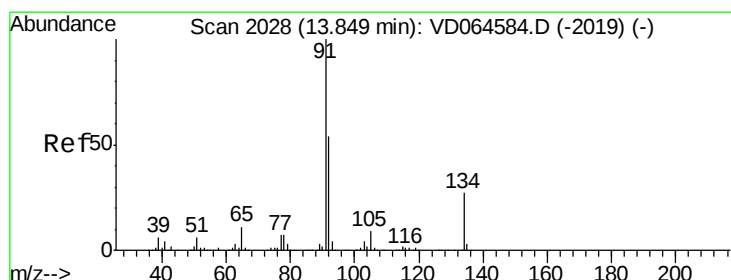
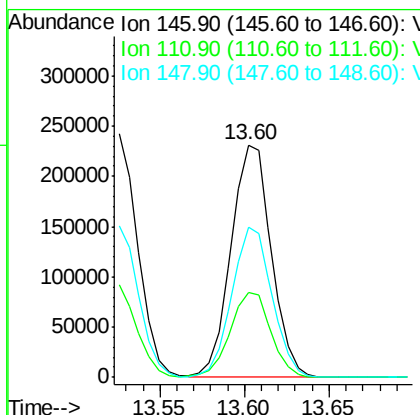
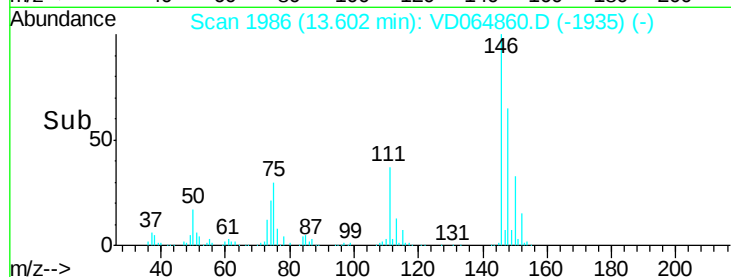
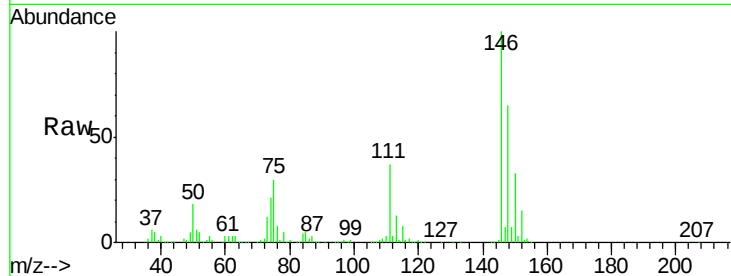
#88
 1,4-Dichlorobenzene
 Concen: 49.000 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.1	54.1
148	64.3	32.3	96.9

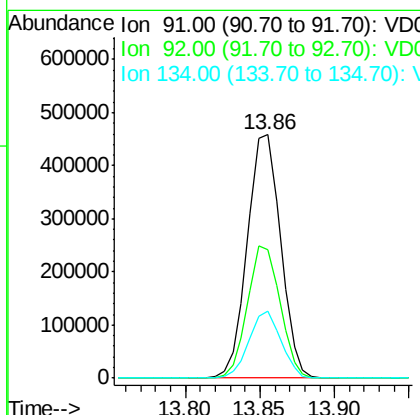
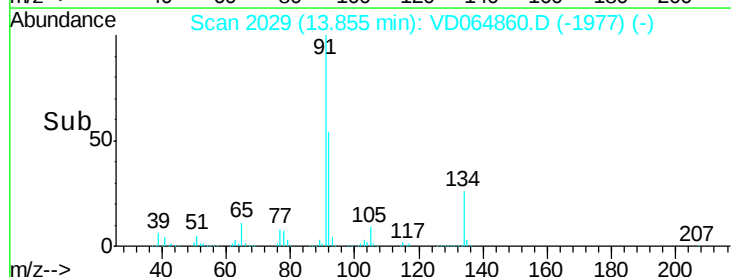
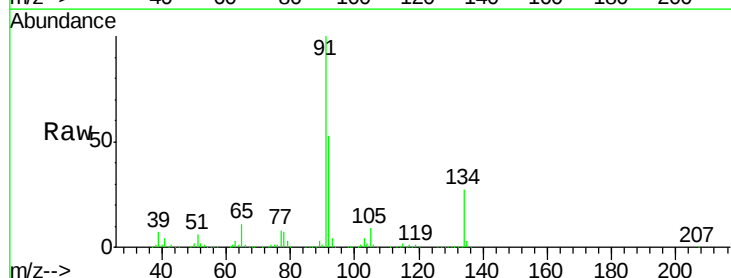
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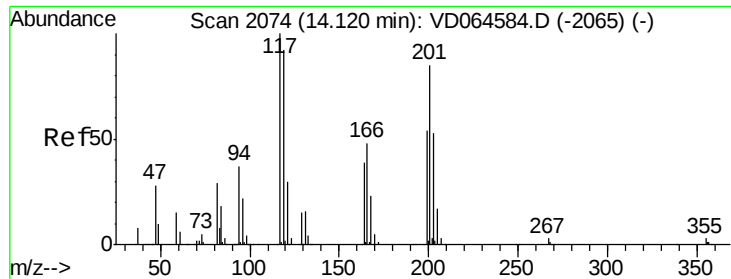
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#89
 n-Butylbenzene
 Concen: 49.426 ug/l
 RT: 13.86 min Scan# 2029
 Delta R.T. 0.01 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.8	80.4
134	26.4	14.0	41.9





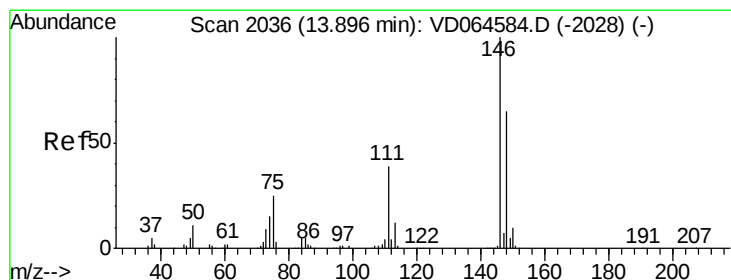
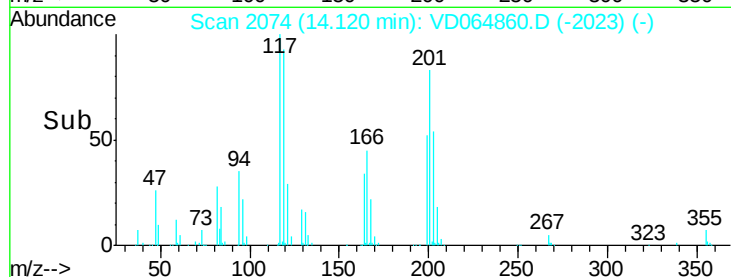
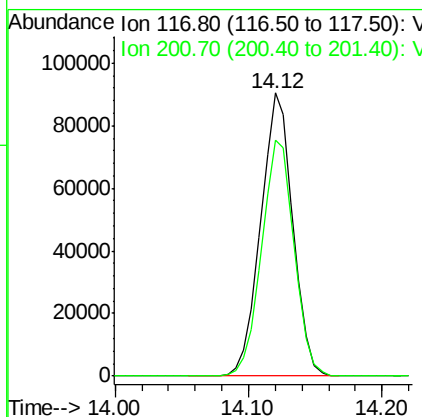
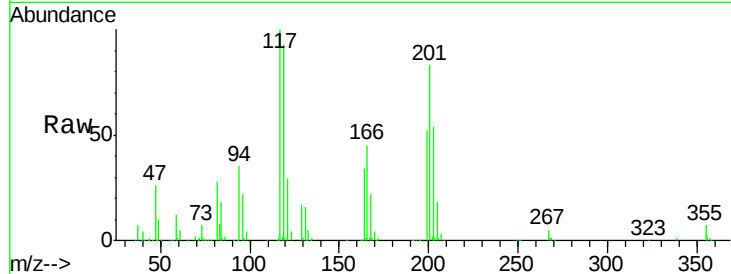
#90
Hexachloroethane
Concen: 49.384 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampled :
EP-3MSD

Tot Ion:117 Resp: 150091
Ion Ratio Lower Upper
117 100
201 84.8 44.0 131.8

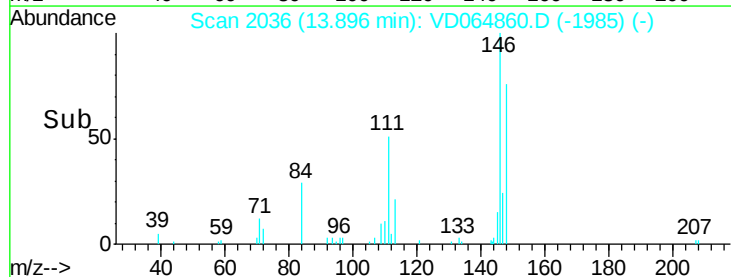
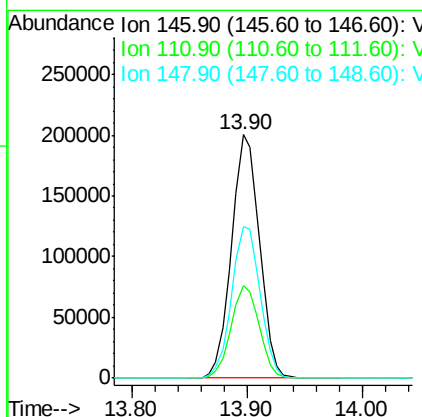
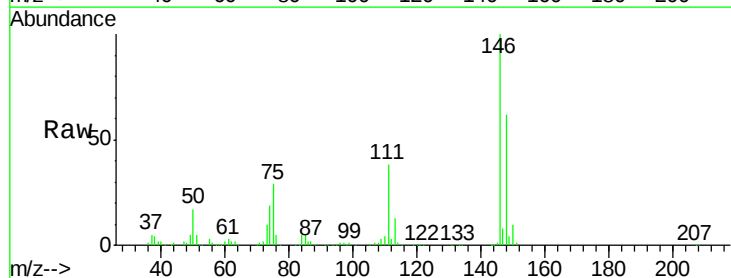
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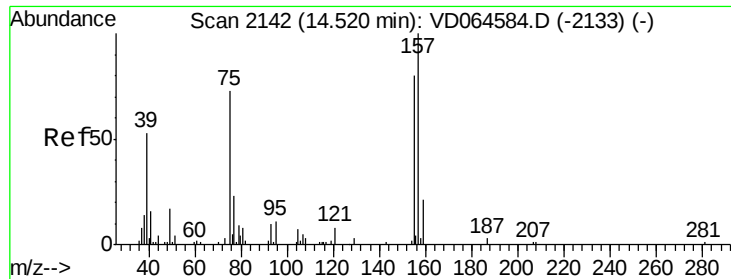
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#91
1,2-Dichlorobenzene
Concen: 49.382 ug/l
RT: 13.90 min Scan# 2036
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion:146 Resp: 335658
Ion Ratio Lower Upper
146 100
111 38.3 19.3 57.9
148 63.7 31.9 95.5





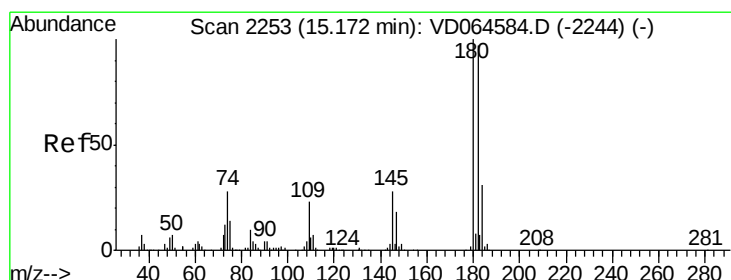
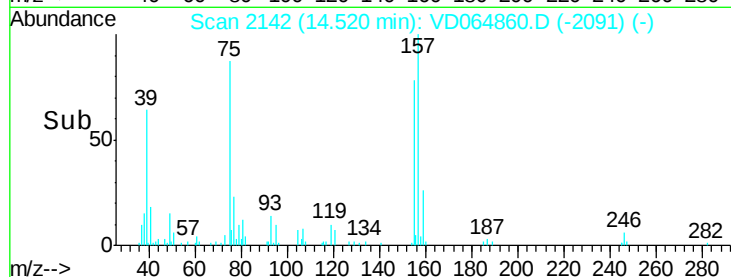
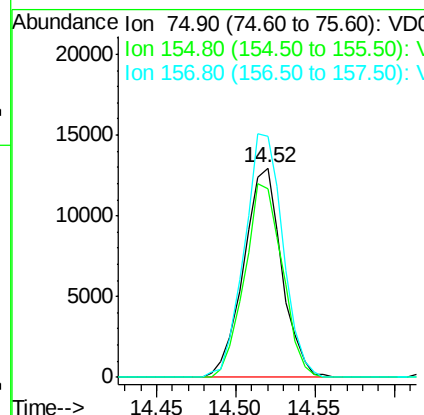
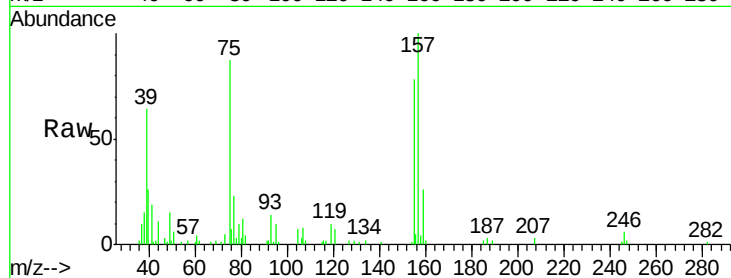
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.883 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion	Ratio	Lower	Upper
75	100		
155	91.6	48.0	144.0
157	117.6	64.1	192.3

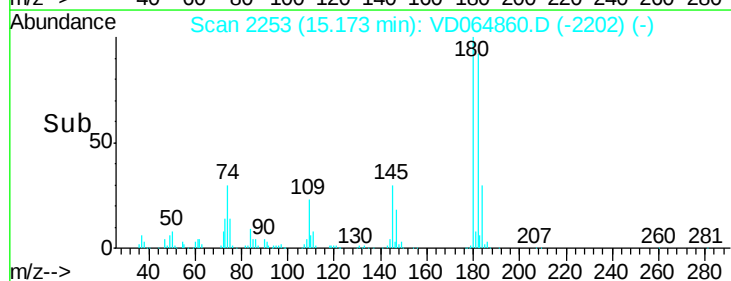
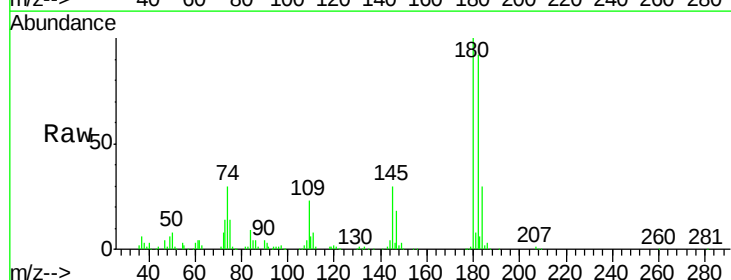
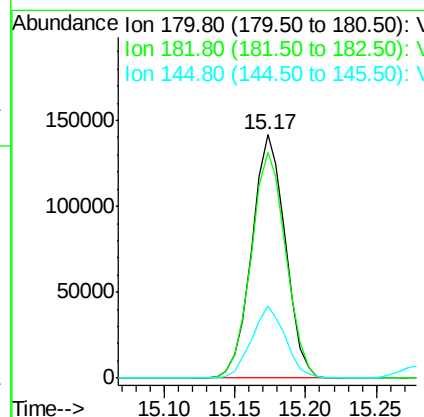
Manual Integrations
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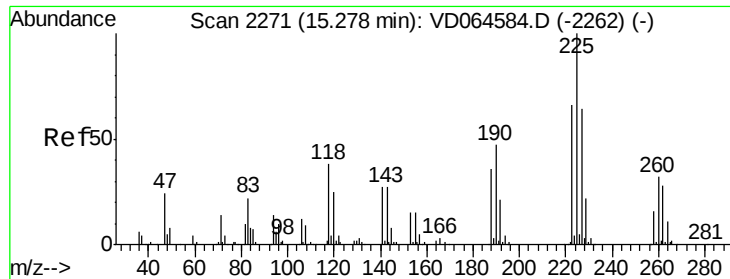
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 1/20/2020 11:14:20 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 47.341 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	48.0	144.2
145	29.6	13.8	41.4





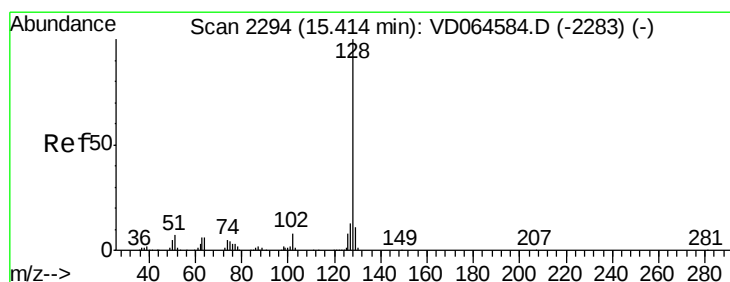
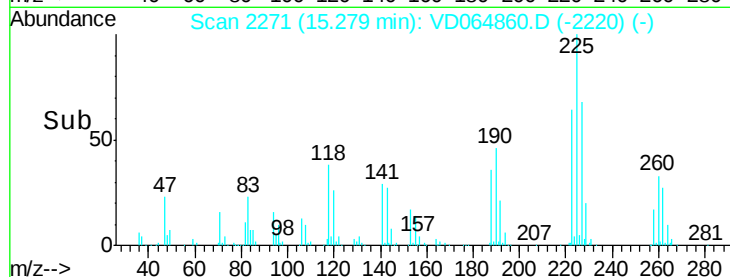
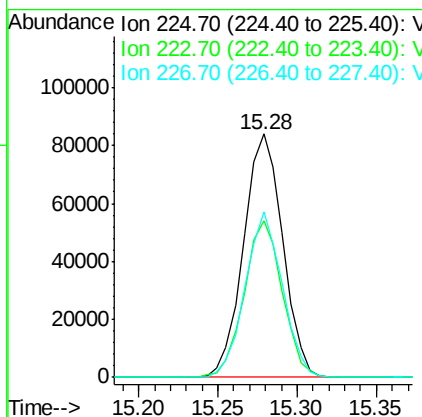
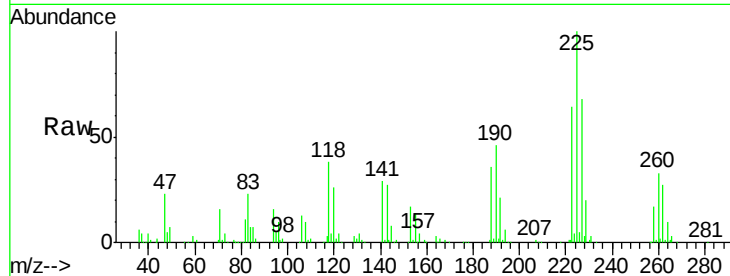
#94
Hexachlorobutadiene
Concen: 45.726 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Instrument :
MSVOA_D
ClientSampleId :
EP-3MSD

Tot Ion	Ratio	Resp	Lower	Upper
225	100	144010		
223	62.8		31.1	93.2
227	64.4		30.9	92.7

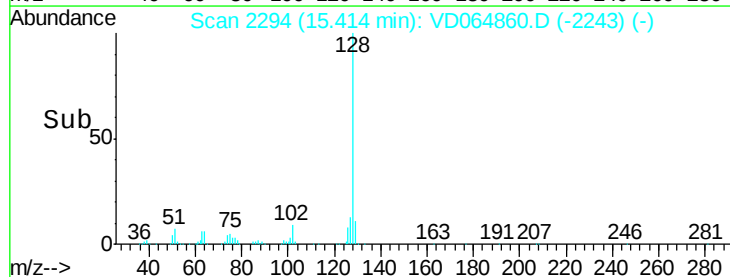
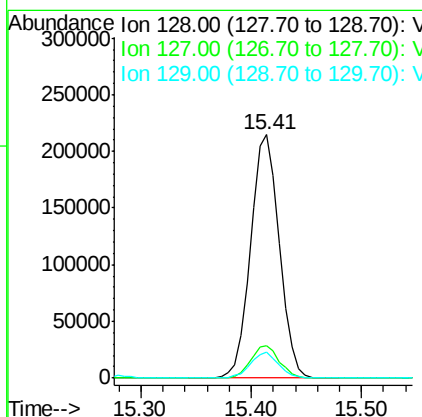
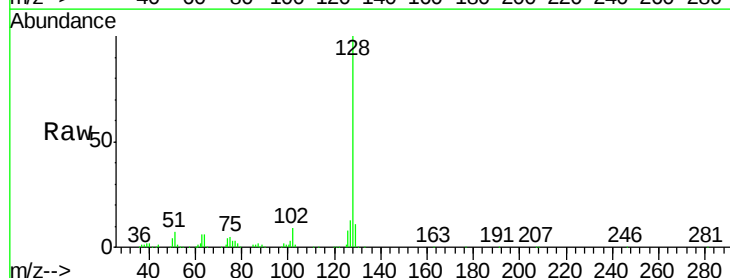
Manual Integrations
APPROVED

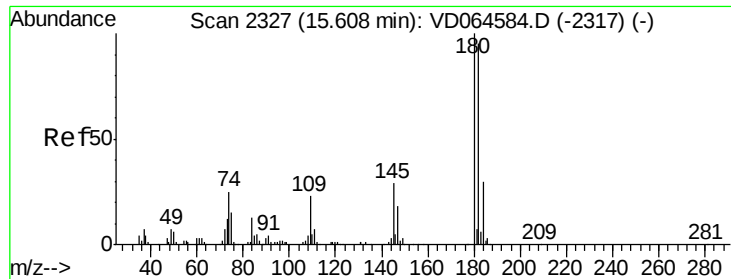
MMDadoda
1/20/2020 11:14:20 AM



#95
Naphthalene
Concen: 49.480 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064860.D
Acq: 17 Jan 2020 13:51

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	391767		
127	13.2		10.3	15.5
129	10.4		8.5	12.7





#96
 1,2,3-Trichlorobenzene
 Concen: 48.492 ug/l
 RT: 15.61 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: VD064860.D
 Acq: 17 Jan 2020 13:51

Instrument :
 MSVOA_D
 ClientSampleId :
 EP-3MSD

Tot Ion:	180	Resp:	207189
Ion Ratio		Lower	Upper
180	100		
182	95.5	47.9	143.7
145	31.0	14.9	44.7

Manual Integrations
 APPROVED

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

