

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012920\
 Data File : VD064991.D
 Acq On : 29 Jan 2020 12:28
 Operator : VA/SY
 Sample : VD0129SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:13 AM

Quant Time: Jan 29 17:13:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	466526	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699007	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	601058	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	292573	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	233156	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
35) Dibromofluoromethane	7.92	113	222876	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
50) Toluene-d8	10.34	98	879461	51.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.74%	
62) 4-Bromofluorobenzene	12.64	95	269314	51.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	75172	21.389	ug/l	99
3) Chloromethane	2.21	50	109176	21.195	ug/l	96
4) Vinyl Chloride	2.35	62	122814	20.759	ug/l	99
5) Bromomethane	2.76	94	83181	20.901	ug/l	98
6) Chloroethane	2.92	64	82311	21.103	ug/l	99
7) Trichlorofluoromethane	3.27	101	195344	21.379	ug/l	97
8) Diethyl Ether	3.71	74	43547	21.112	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	93667	22.034	ug/l	99
10) Methyl Iodide	4.29	142	96887	21.472	ug/l	99
11) Tert butyl alcohol	5.25	59	27632	111.739	ug/l	96
12) 1,1-Dichloroethene	4.06	96	88727	21.849	ug/l	96
13) Acrolein	3.93	56	25947	83.698	ug/l	99
14) Allyl chloride	4.71	41	138882	21.443	ug/l	99
15) Acrylonitrile	5.43	53	94067	105.312	ug/l	99
16) Acetone	4.17	43	96466	90.392	ug/l #	86
17) Carbon Disulfide	4.40	76	278348	20.826	ug/l	98
18) Methyl Acetate	4.72	43	46715	22.289	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	194725	21.460	ug/l	100
20) Methylene Chloride	4.97	84	125180	25.650	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	103703	22.165	ug/l	98
22) Diisopropyl ether	6.37	45	278892	21.606	ug/l	97
23) Vinyl Acetate	6.31	43	784888	103.856	ug/l	99
24) 1,1-Dichloroethane	6.27	63	174571	22.027	ug/l	96
25) 2-Butanone	7.22	43	122328	101.182	ug/l	98
26) 2,2-Dichloropropane	7.21	77	160148	22.278	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	106717	21.370	ug/l	97
28) Bromochloromethane	7.56	49	56744	17.903	ug/l	98
29) Tetrahydrofuran	7.57	42	76875	103.057	ug/l	98
30) Chloroform	7.71	83	178750	21.819	ug/l	97
31) Cyclohexane	7.98	56	162525	20.846	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	164914	21.638	ug/l	97
36) 1,1-Dichloropropene	8.11	75	141987	21.065	ug/l	99
37) Ethyl Acetate	7.30	43	55363	19.885	ug/l	96
38) Carbon Tetrachloride	8.10	117	150717	21.155	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	168131	21.336	ug/l	96
40) Benzene	8.36	78	392022	21.117	ug/l	100
41) Methacrylonitrile	7.54	41	30508	20.341	ug/l	91
42) 1,2-Dichloroethane	8.43	62	113314	20.491	ug/l	96
43) Isopropyl Acetate	8.46	43	105356	19.921	ug/l	99
44) Trichloroethene	9.12	130	109422	21.061	ug/l	94
45) 1,2-Dichloropropane	9.39	63	92190	20.485	ug/l	100
46) Dibromomethane	9.48	93	51392	20.917	ug/l	96
47) Bromodichloromethane	9.67	83	137574	21.518	ug/l	99
48) Methyl methacrylate	9.46	41	48347	19.865	ug/l	94
49) 1,4-Dioxane	9.47	88	11308	396.830	ug/l #	83
51) 4-Methyl-2-Pentanone	10.23	43	267780	101.193	ug/l	99
52) Toluene	10.41	92	253827	21.208	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	124135	20.383	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	150906	21.164	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	67549	20.410	ug/l	97
56) Ethyl methacrylate	10.67	69	80273	20.283	ug/l	97
57) 1,3-Dichloropropane	10.96	76	121222	21.355	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	129306	98.344	ug/l	99
59) 2-Hexanone	10.99	43	179852	98.533	ug/l	98
60) Dibromochloromethane	11.14	129	90679	20.500	ug/l	97
61) 1,2-Dibromoethane	11.25	107	65267	20.481	ug/l	99
64) Tetrachloroethene	10.88	164	93947	21.630	ug/l	100
65) Chlorobenzene	11.68	112	264438	21.669	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	99309	21.638	ug/l	99
67) Ethyl Benzene	11.75	91	474802	21.915	ug/l	99
68) m/p-Xylenes	11.86	106	361645	43.353	ug/l	100
69) o-Xylene	12.18	106	159455	21.538	ug/l	100
70) Styrene	12.20	104	284884	21.601	ug/l	100
71) Bromoform	12.37	173	53265	20.878	ug/l #	99
73) Isopropylbenzene	12.48	105	441145	22.060	ug/l	100
74) N-amyl acetate	12.30	43	91396	20.425	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	71775	21.356	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	60710m	25.000	ug/l	
77) Bromobenzene	12.77	156	108157	22.105	ug/l	99
78) n-propylbenzene	12.83	91	524831	22.069	ug/l	100
79) 2-Chlorotoluene	12.91	91	286731	21.978	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	364994	22.273	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22919	20.152	ug/l	97
82) 4-Chlorotoluene	13.01	91	306541	22.156	ug/l	99
83) tert-Butylbenzene	13.23	119	307871	22.138	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	370592	22.324	ug/l	99
85) sec-Butylbenzene	13.41	105	430290	21.852	ug/l	99
86) p-Isopropyltoluene	13.53	119	401708	21.801	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	203706	21.699	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	199891	21.453	ug/l	98
89) n-Butylbenzene	13.86	91	366020	21.767	ug/l	99
90) Hexachloroethane	14.12	117	77355	21.770	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	173773	21.804	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12421	23.094	ug/l	89

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ClientSampleId :
VD0129SBSD01

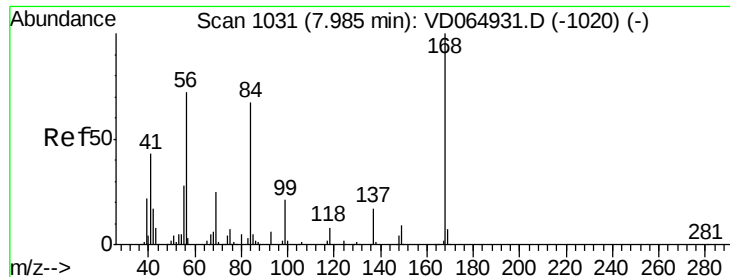
Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:13 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	121601	22.054	ug/l	99
94) Hexachlorobutadiene	15.28	225	76343	21.890	ug/l	96
95) Naphthalene	15.42	128	186072	20.911	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	102477	21.436	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBSD01

Tot Ion:168 Resp: 466526

Ion Ratio Lower Upper

168 100

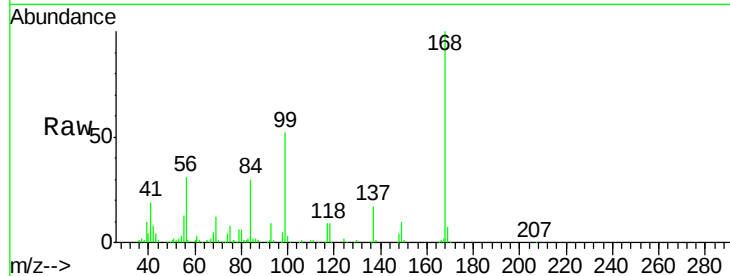
99 51.7 43.3 64.9

Manual Integrations

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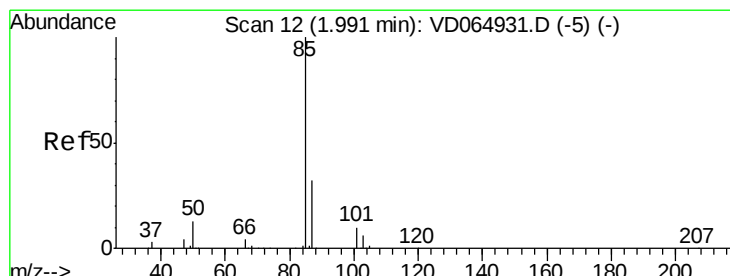
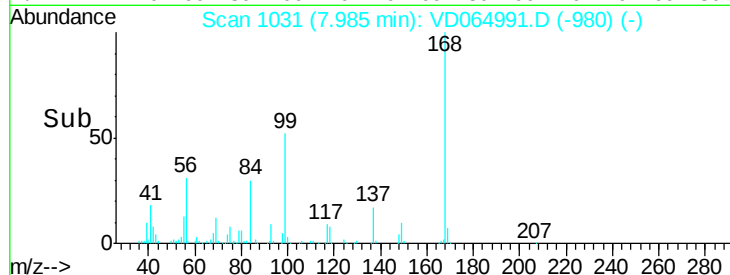
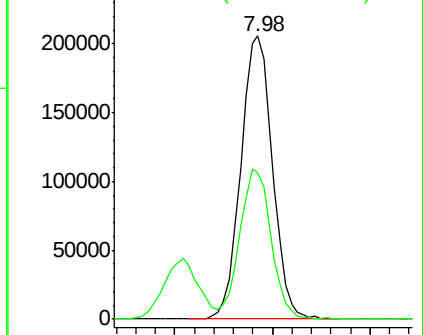
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1/30/2020 10:27:13 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.389 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064991.D

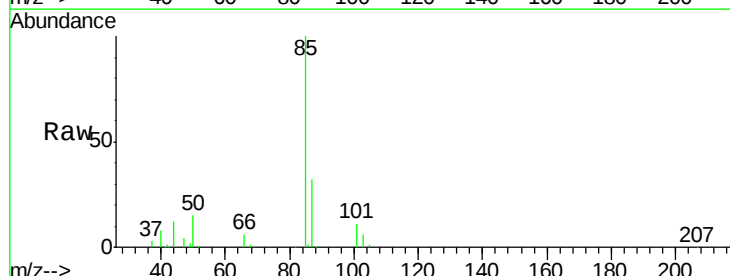
Acq: 29 Jan 2020 12:28

Tgt Ion: 85 Resp: 75172

Ion Ratio Lower Upper

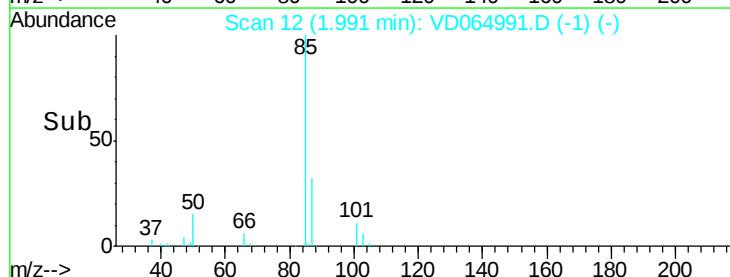
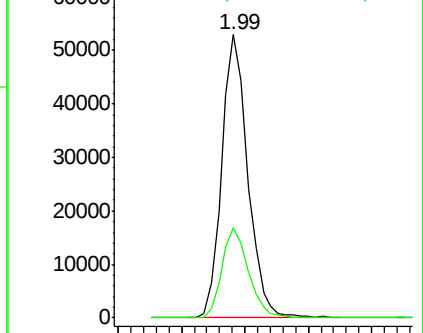
85 100

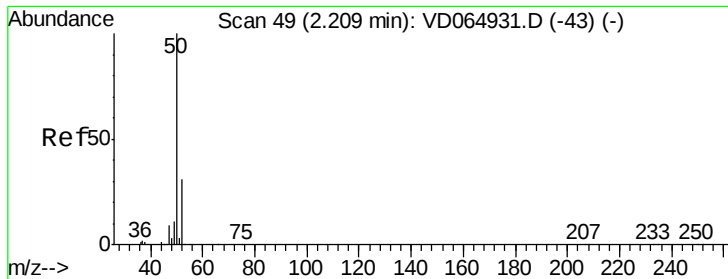
87 31.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.195 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBSD01

Tot Ion: 50 Resp: 109176

Ion Ratio Lower Upper

50 100

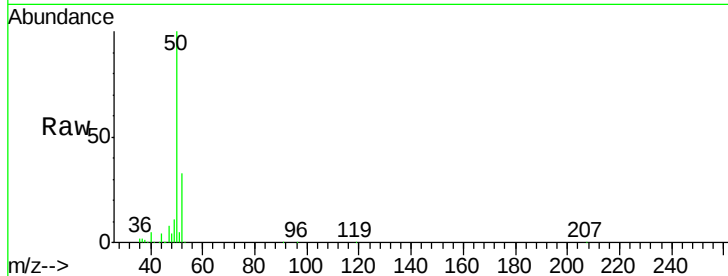
52 33.1 24.6 36.8

Manual Integrations

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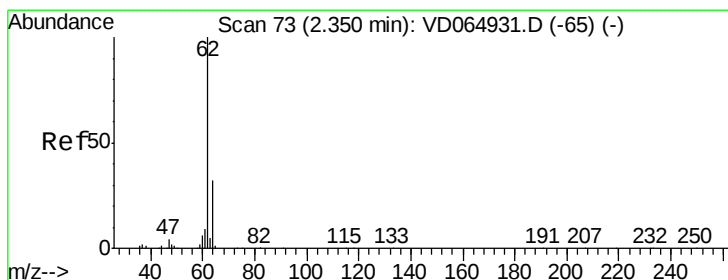
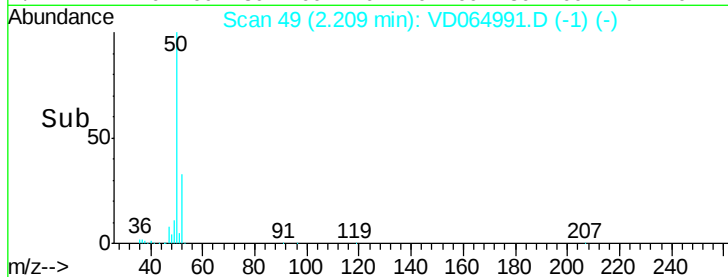
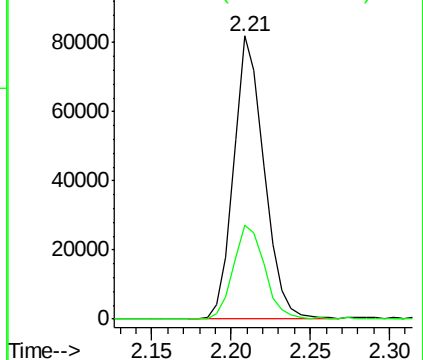
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.759 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064991.D

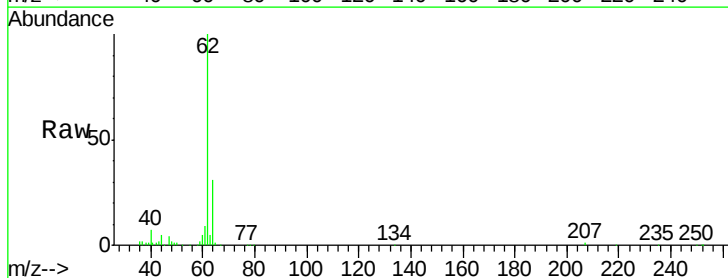
Acq: 29 Jan 2020 12:28

Tgt Ion: 62 Resp: 122814

Ion Ratio Lower Upper

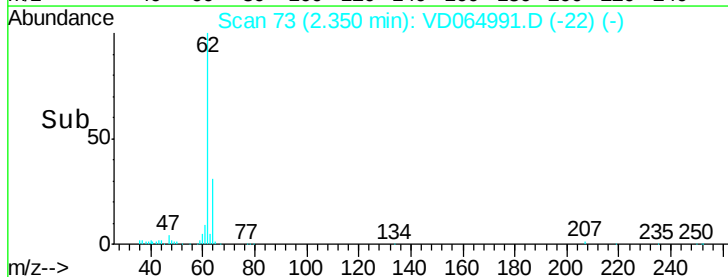
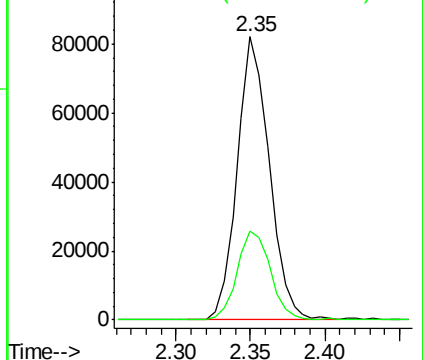
62 100

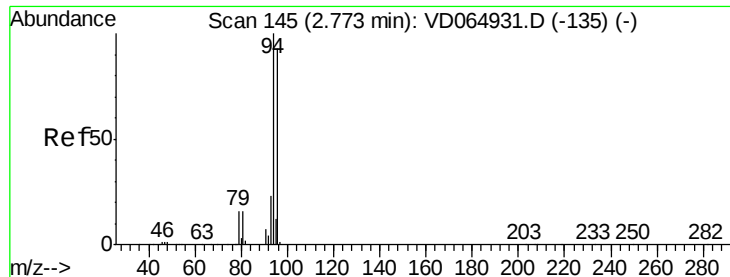
64 31.3 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.901 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 94 Resp: 83181

Ion Ratio Lower Upper

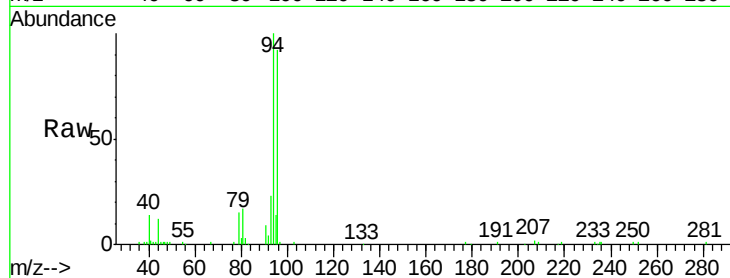
94 100

96 90.9 74.6 111.8

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

2.76

40000

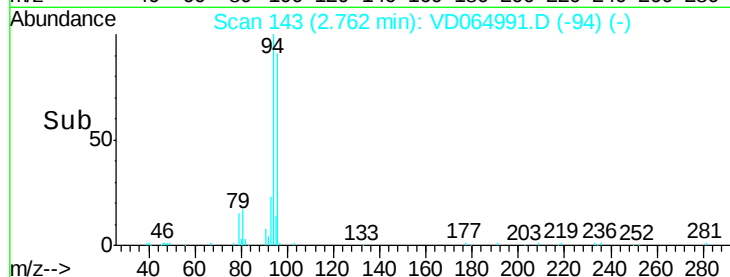
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20000

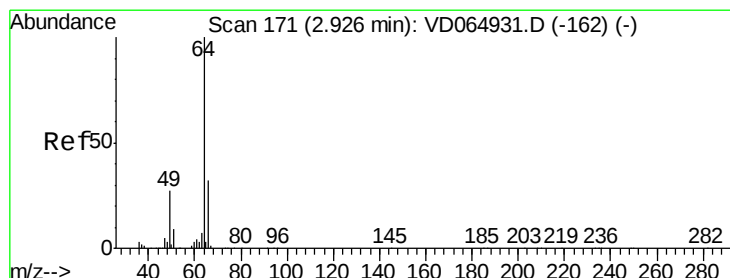
10000

0

Time-->



Time-->



#6

Chloroethane

Concen: 21.103 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064991.D

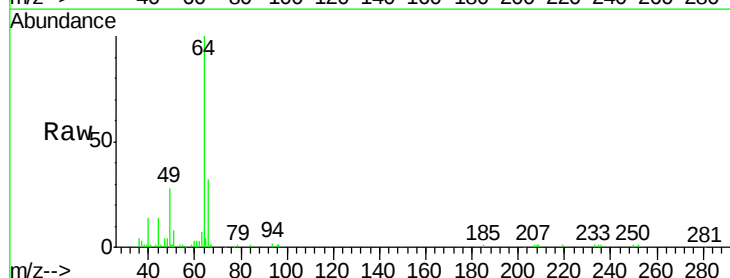
Acq: 29 Jan 2020 12:28

Tgt Ion: 64 Resp: 82311

Ion Ratio Lower Upper

64 100

66 32.0 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

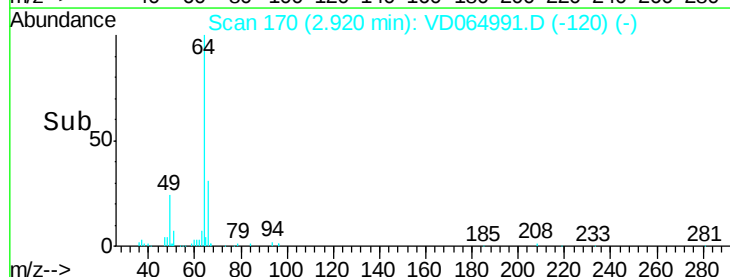
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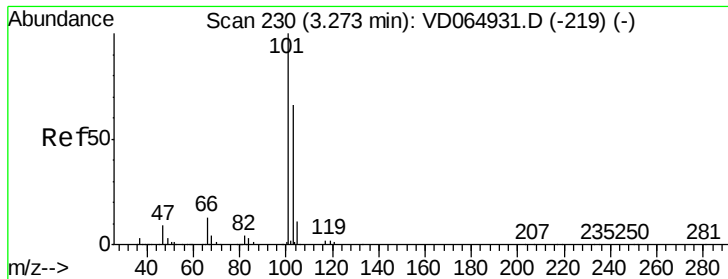
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Time-->



Time-->



#7

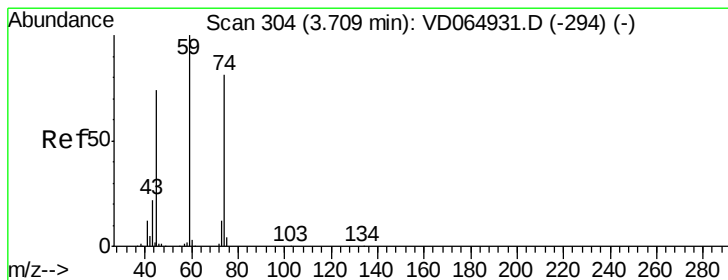
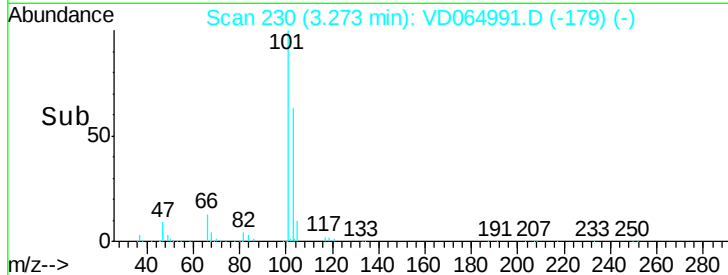
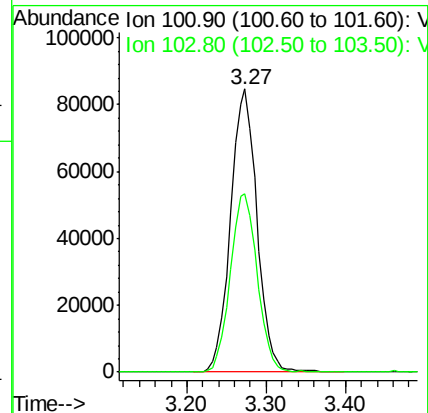
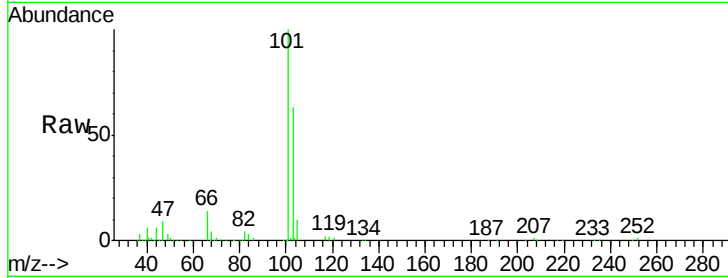
Trichlorofluoromethane
Concen: 21.379 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
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ClientSampleId :
VD0129SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	52.5	78.7

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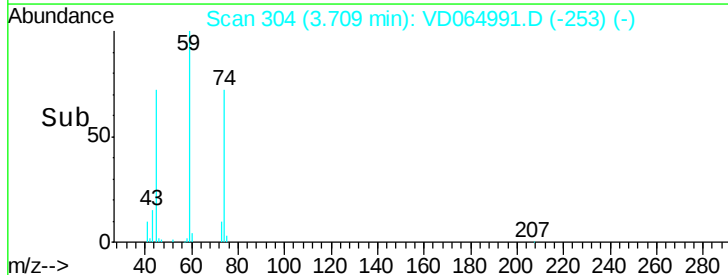
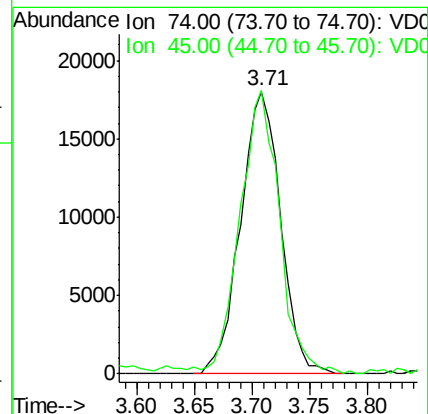
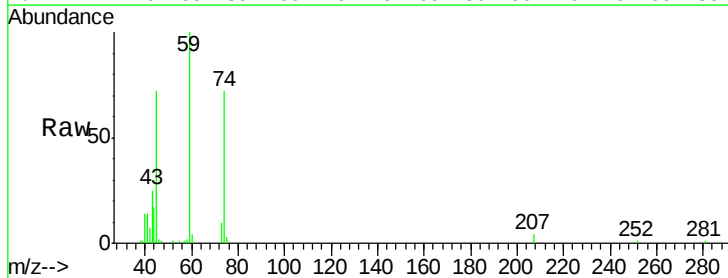
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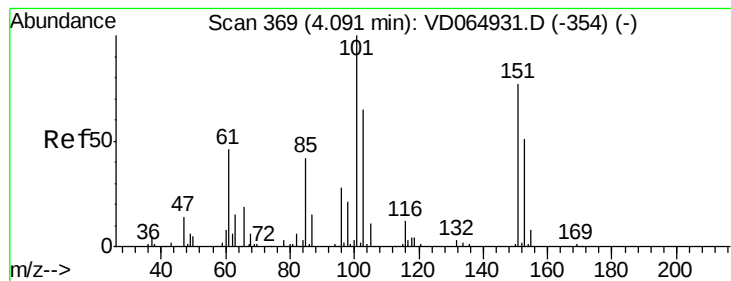


#8

Diethyl Ether
Concen: 21.112 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064991.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.034 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

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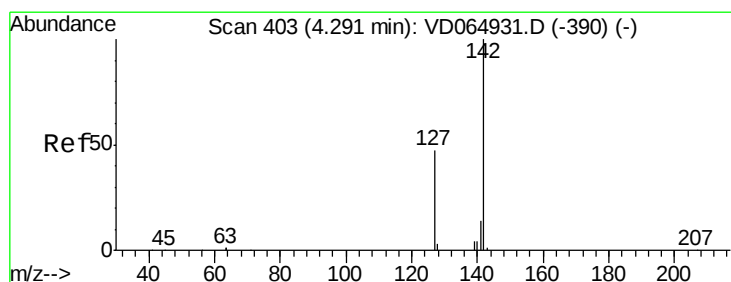
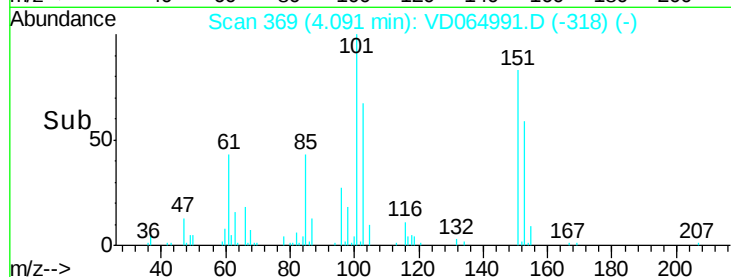
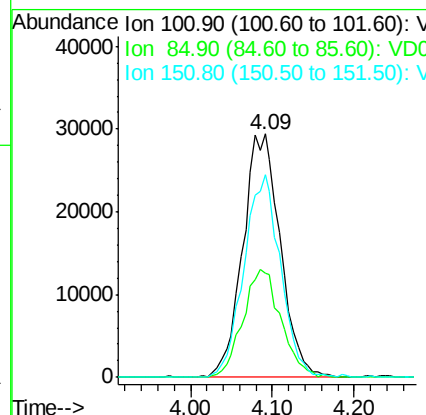
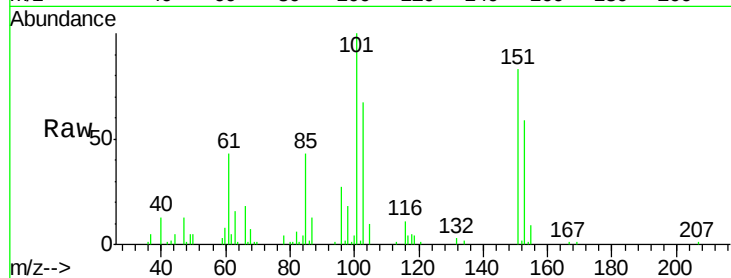
ClientSampleId :

VD0129SBS01

Tot Ion:	101	Resp:	93667
Ion Ratio	Lower	Upper	
101	100		
85	45.1	35.0	52.4
151	81.4	64.6	96.8

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#10

Methyl Iodide

Concen: 21.472 ug/l

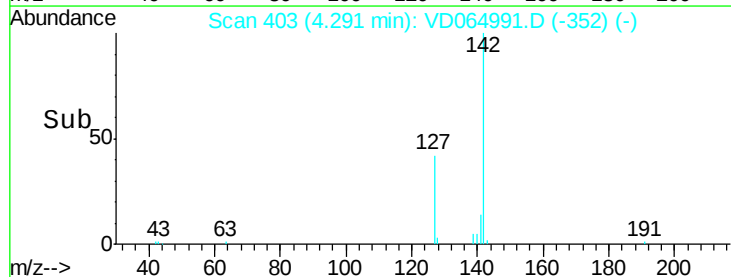
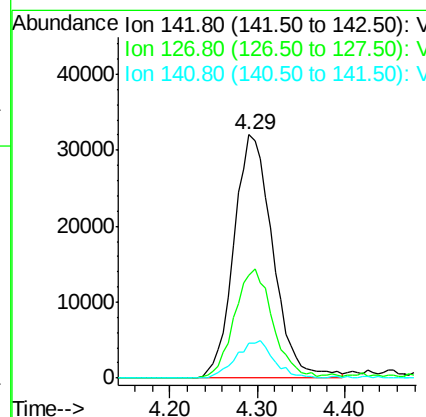
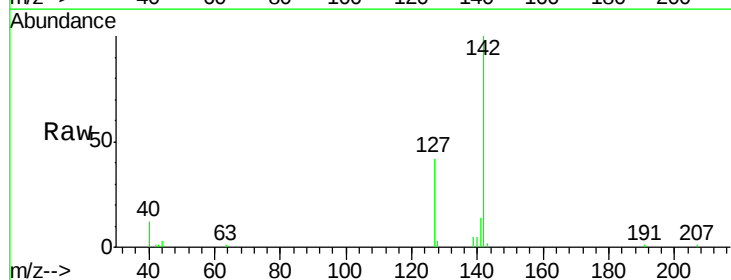
RT: 4.29 min Scan# 403

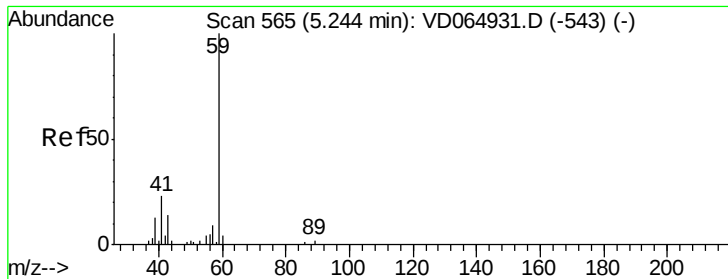
Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Tgt Ion:	142	Resp:	96887
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.2	54.2
141	14.8	11.6	17.4





#11

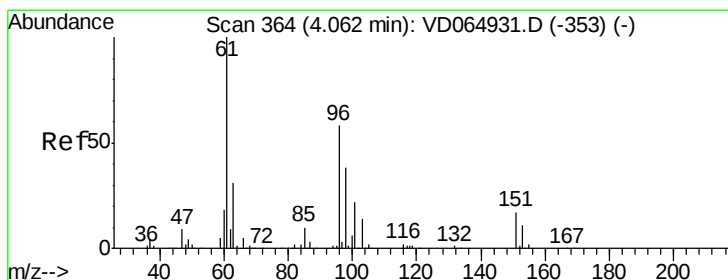
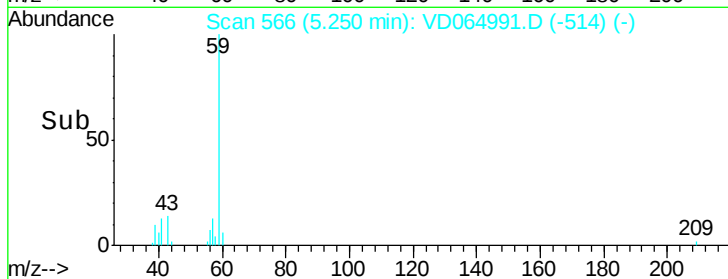
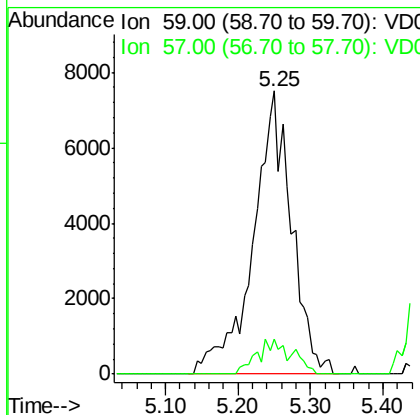
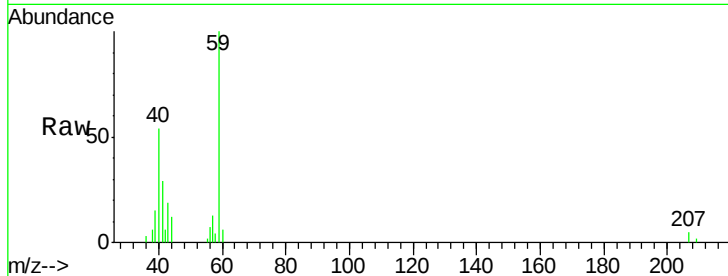
Tert butyl alcohol
 Concen: 111.739 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBSD01

Tot Ion: 59 Resp: 27632
 Ion Ratio Lower Upper
 59 100
 57 8.1 7.7 11.5

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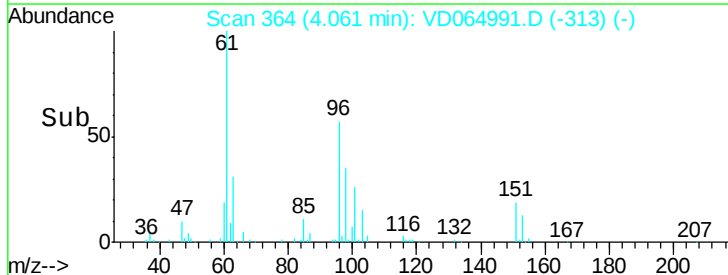
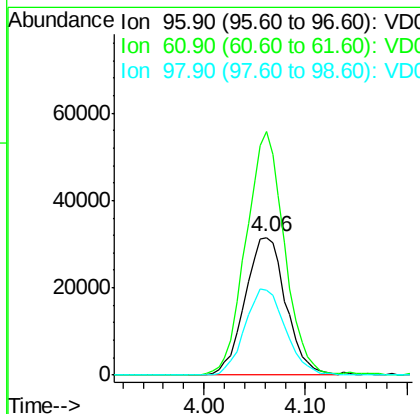
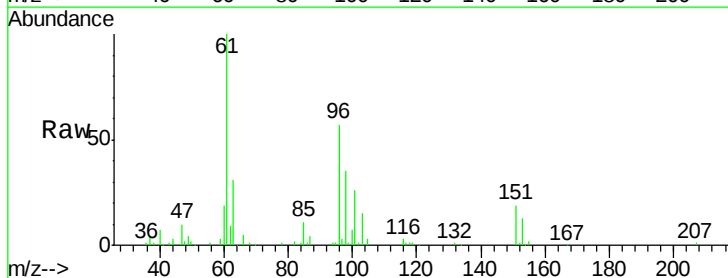
MMDadoda
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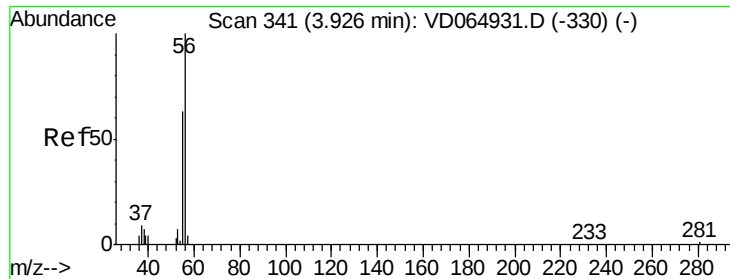


#12

1,1-Dichloroethene
 Concen: 21.849 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion: 96 Resp: 88727
 Ion Ratio Lower Upper
 96 100
 61 176.9 137.0 205.4
 98 61.9 52.1 78.1





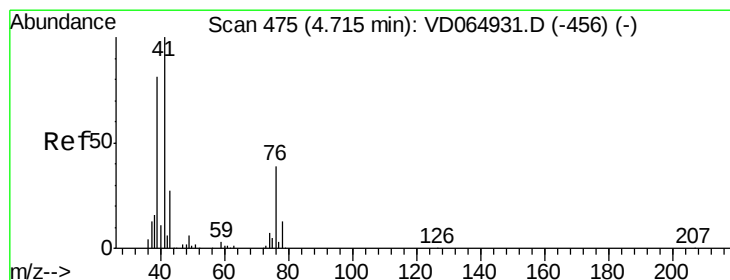
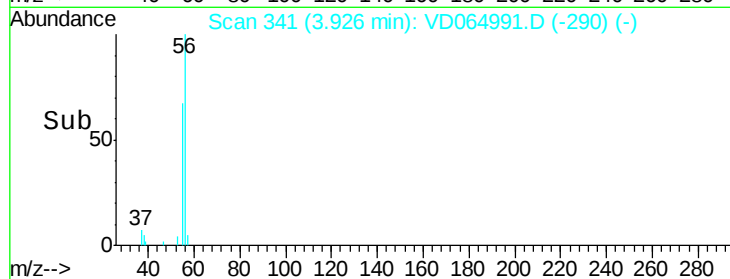
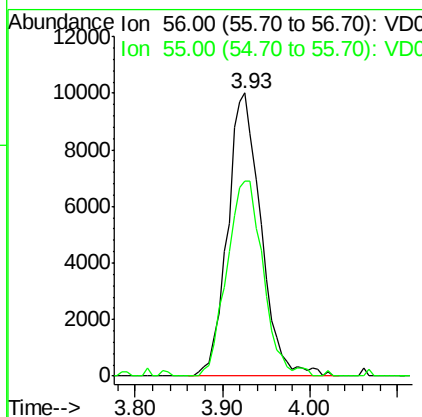
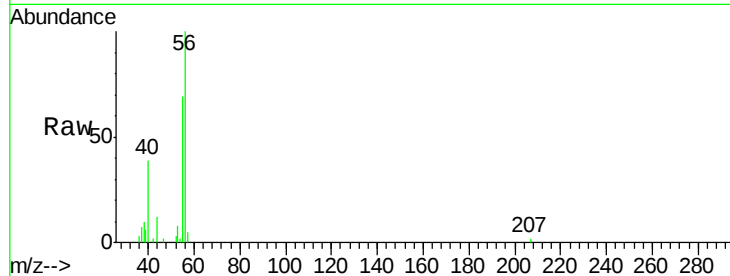
#13
Acrolein
Concen: 83.698 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	73.8	59.7	89.5

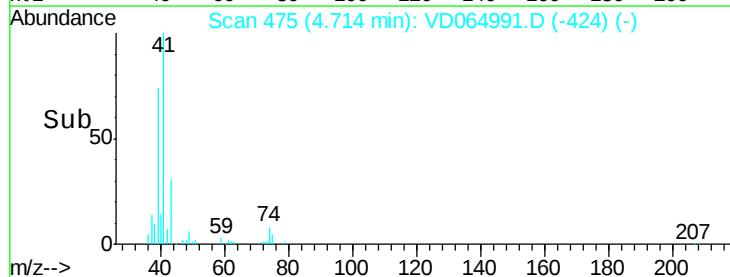
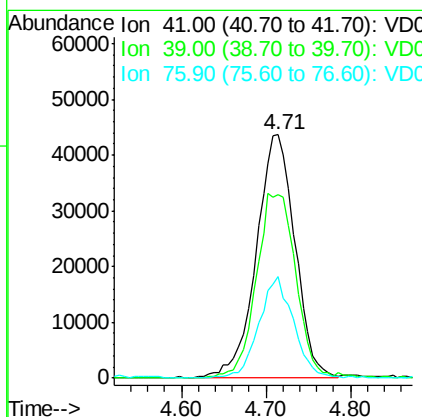
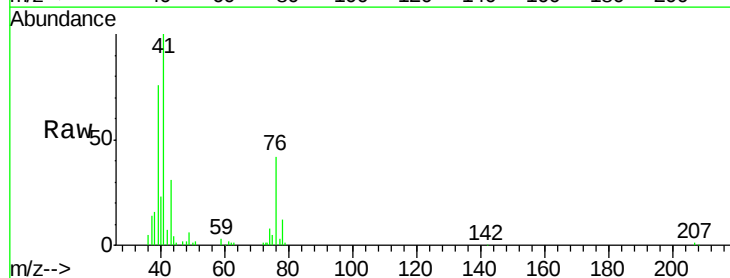
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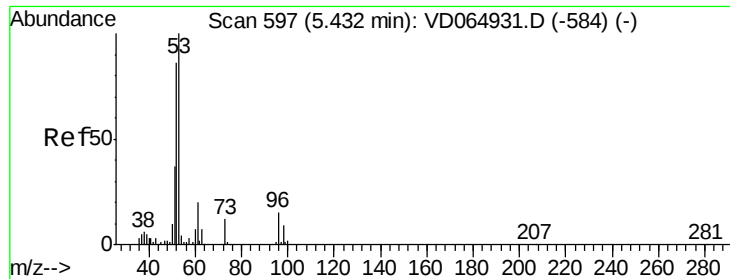
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#14
Allyl chloride
Concen: 21.443 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	77.4	62.0	93.0
76	76	37.5	29.3	43.9





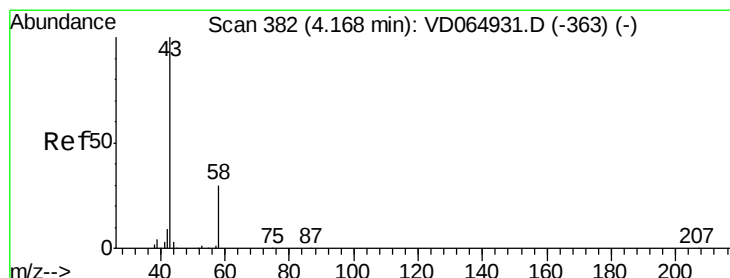
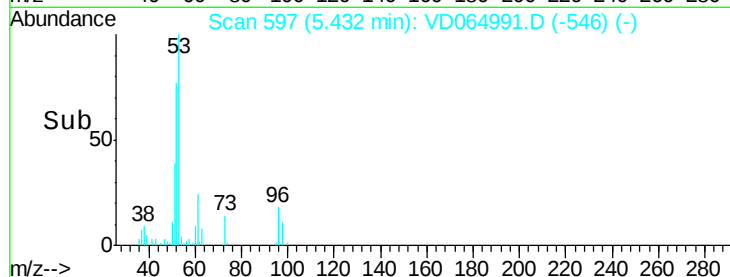
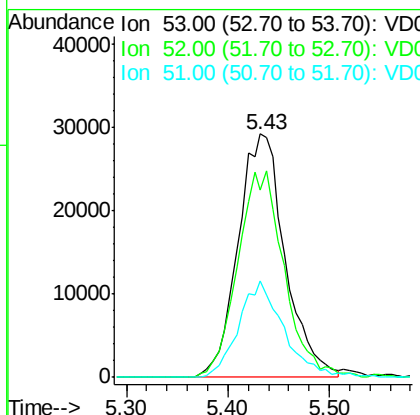
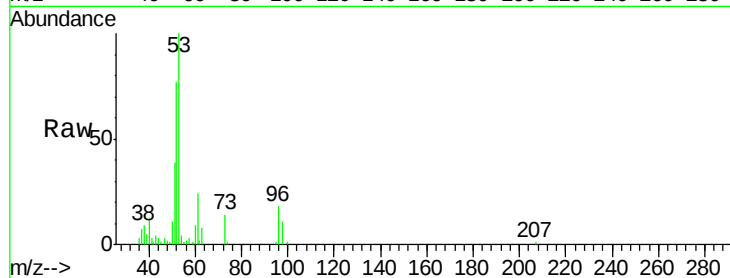
#15
 Acrylonitrile
 Concen: 105.312 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Lower	Upper
53	100		
52	84.0	66.7	100.1
51	38.4	31.1	46.7

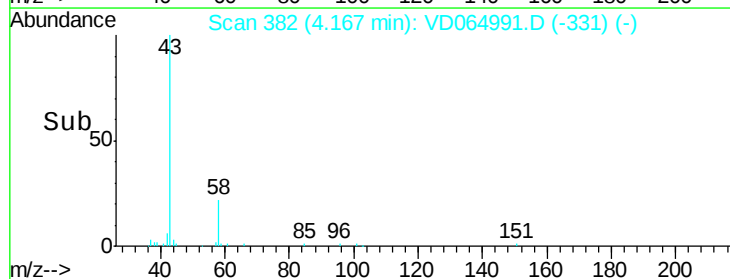
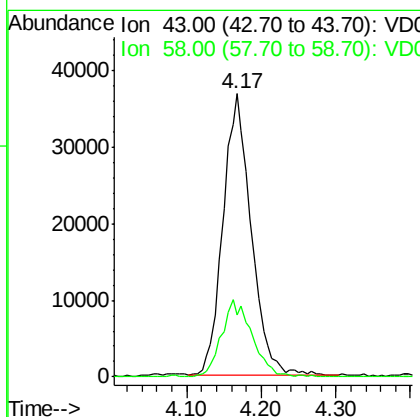
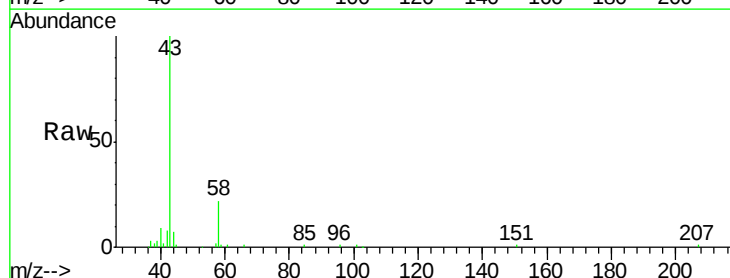
Manual Integrations
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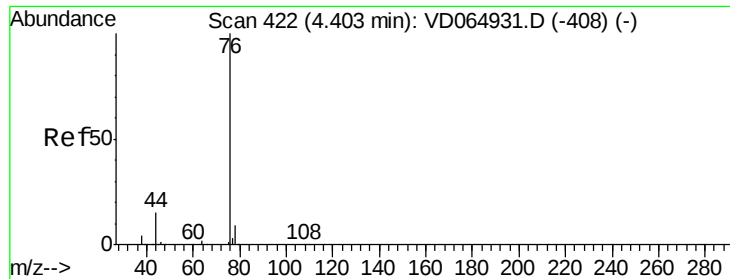
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#16
 Acetone
 Concen: 90.392 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
58	22.1	23.8	35.8#





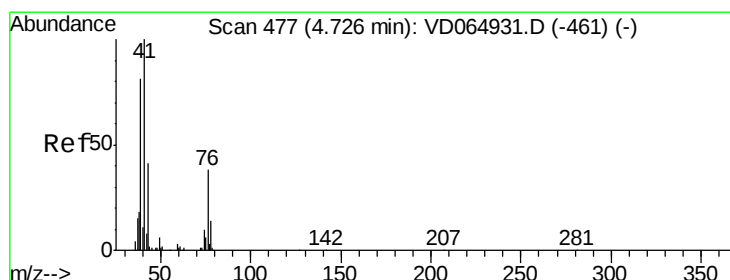
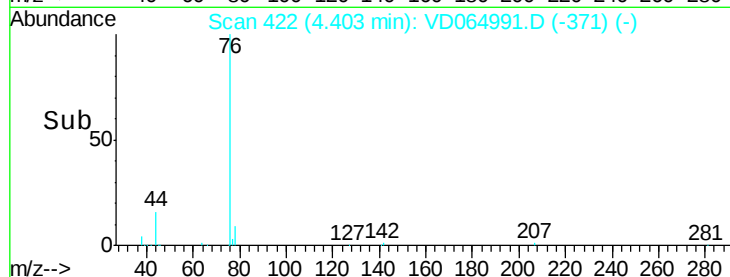
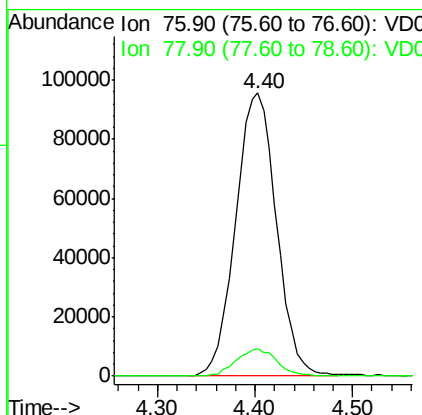
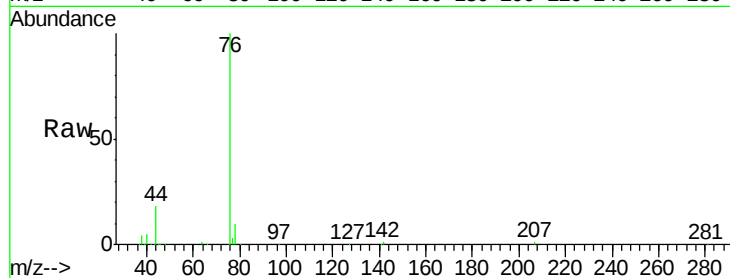
#17
Carbon Disulfide
Concen: 20.826 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.1	10.7

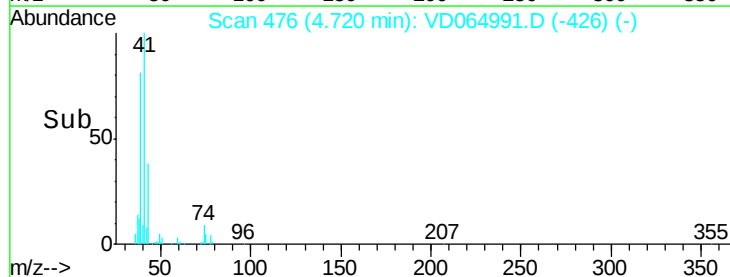
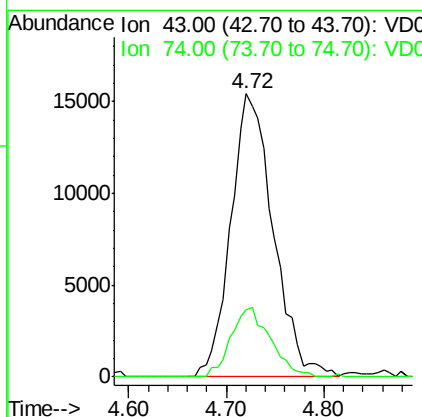
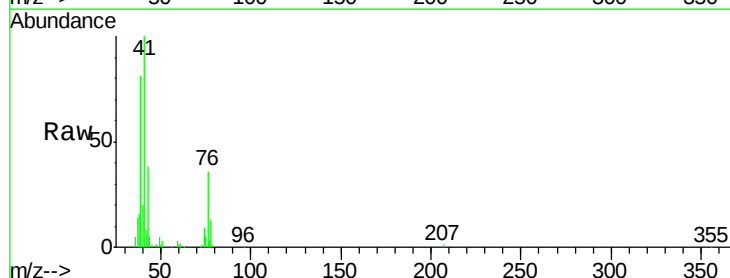
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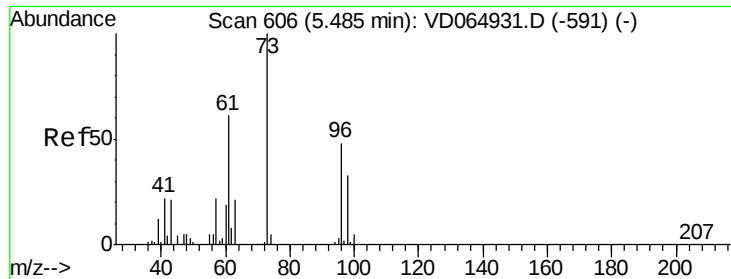
MMDadoda
1/30/2020 10:27:13 AM



#18
Methyl Acetate
Concen: 22.289 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	19.1	28.7





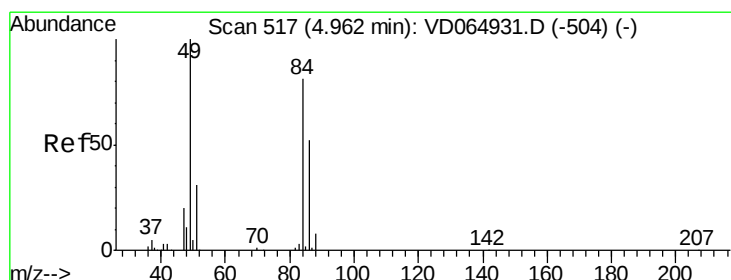
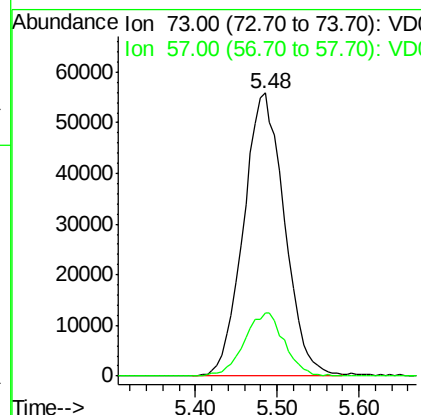
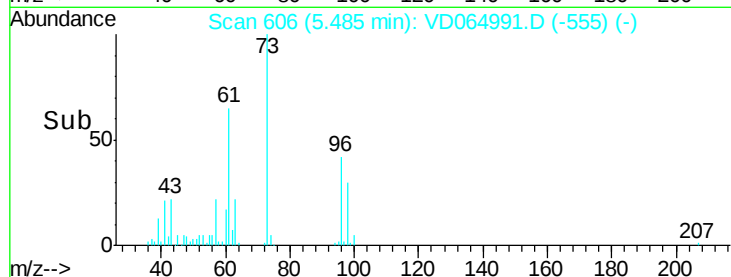
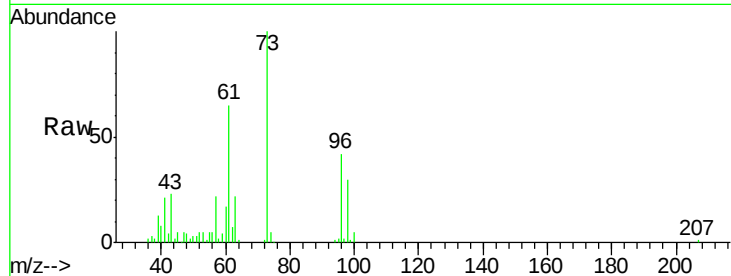
#19
Methvl tert-butvl Ether
Concen: 21.460 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion: 73 Resp: 194725
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9

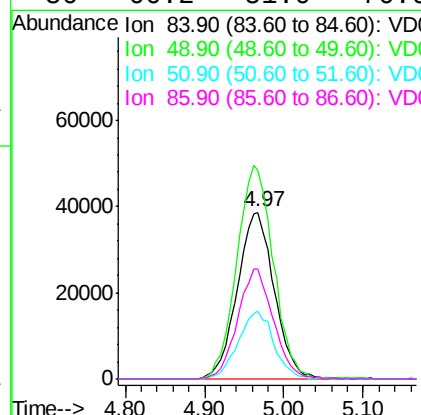
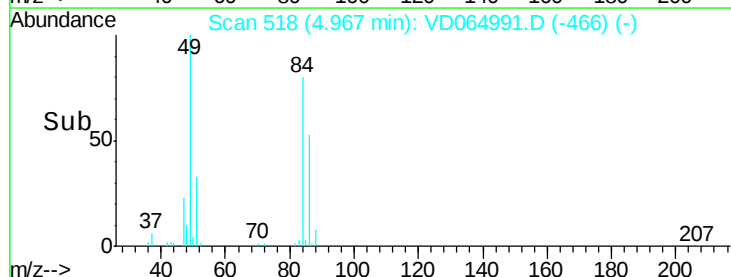
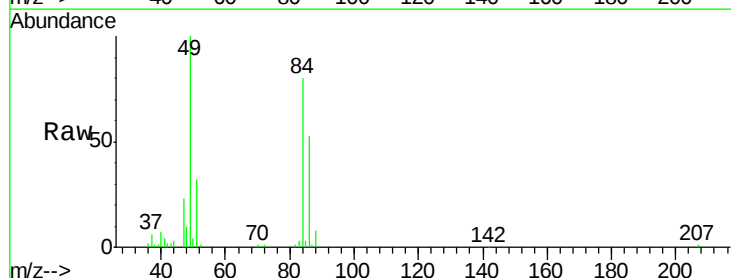
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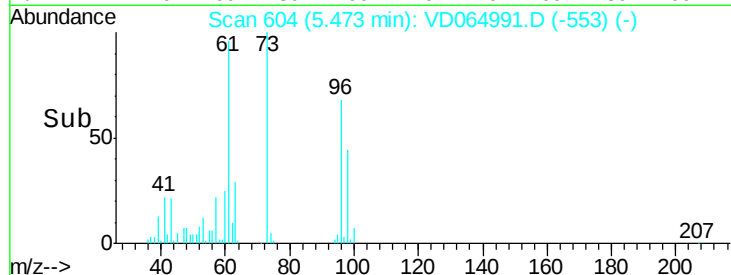
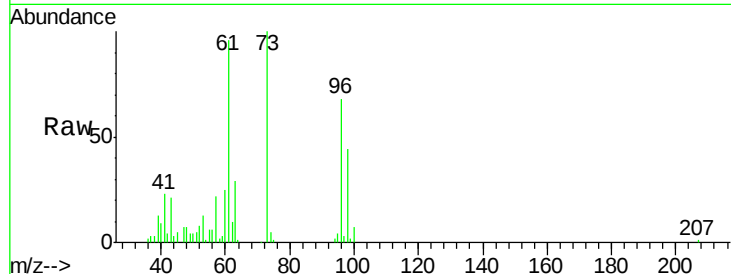
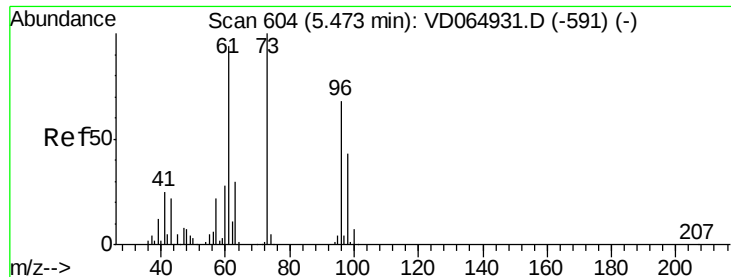
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#20
Methylene Chloride
Concen: 25.650 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion: 84 Resp: 125180
Ion Ratio Lower Upper
84 100
49 124.8 98.4 147.6
51 40.5 30.8 46.2
86 66.2 51.0 76.6





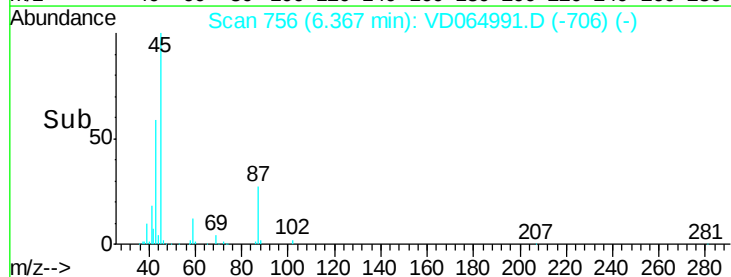
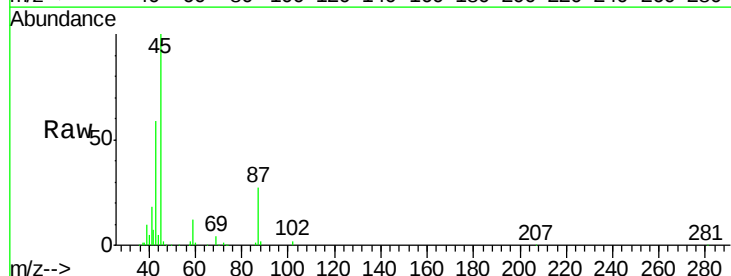
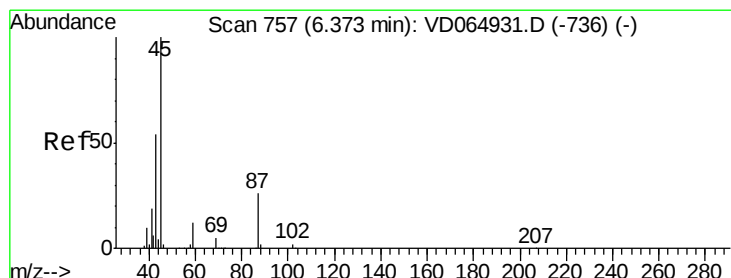
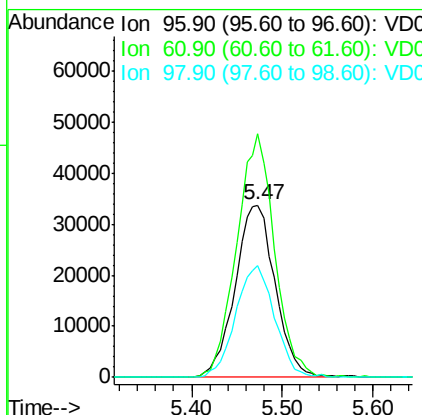
#21
trans-1,2-Dichloroethene
Concen: 22.165 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	141.1	110.4	165.6		
98	64.8	50.5	75.7		

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

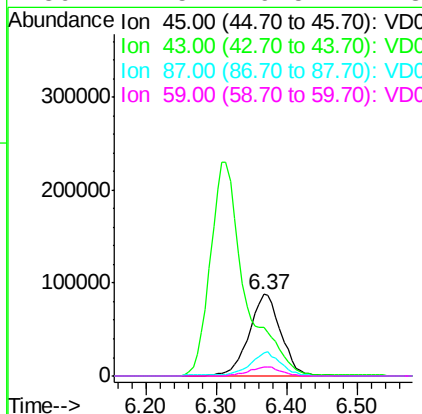
Manual Integrations
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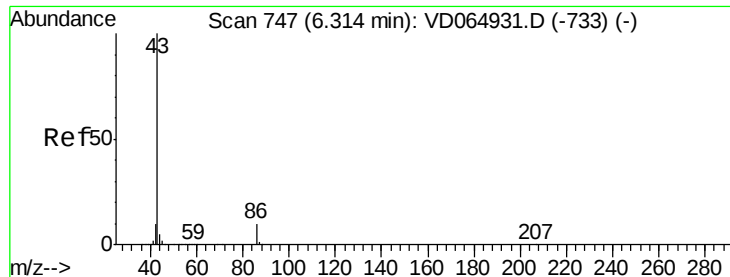
MMDadoda
1/30/2020 10:27:13 AM



#22
Diisopropyl ether
Concen: 21.606 ug/l
RT: 6.37 min Scan# 756
Delta R.T. -0.01 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100				
43	57.7	43.1	64.7		
87	27.3	21.4	32.2		
59	11.5	9.5	14.3		





#23

Vinyl Acetate

Concen: 103.856 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 43 Resp: 784888

Ion Ratio Lower Upper

43 100

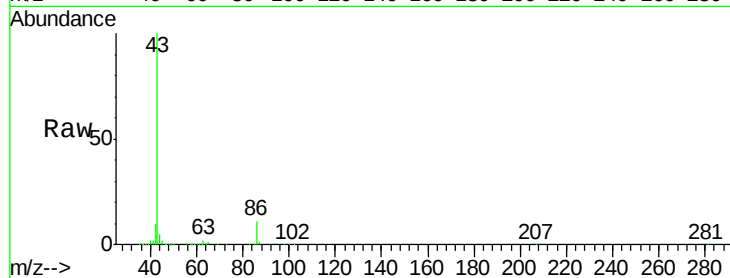
86 10.7 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

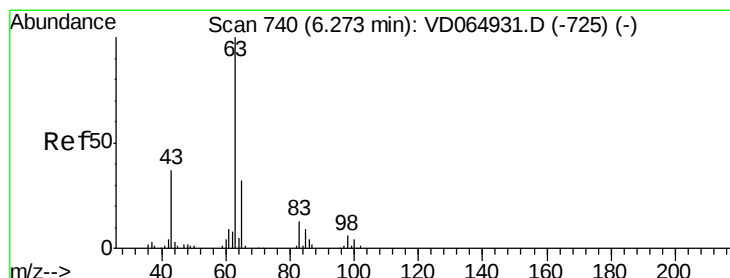
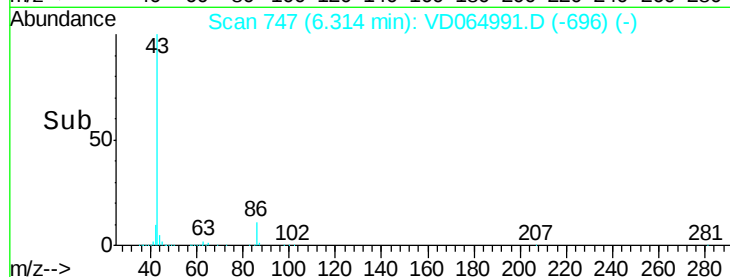
150000

100000

50000

0

Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 22.027 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

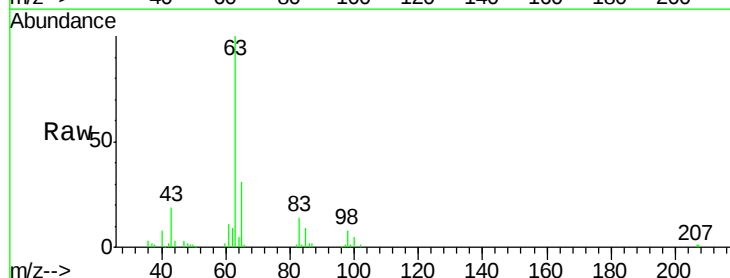
Tgt Ion: 63 Resp: 174571

Ion Ratio Lower Upper

63 100

98 8.1 3.1 9.3

100 4.9 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

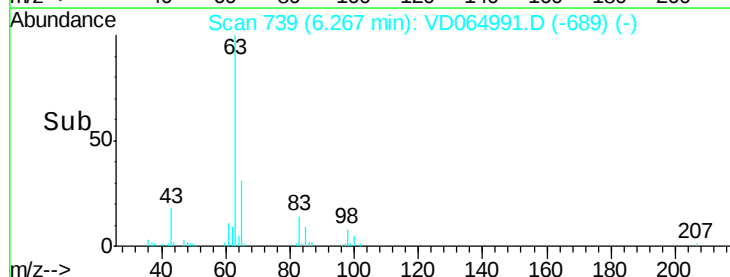
60000

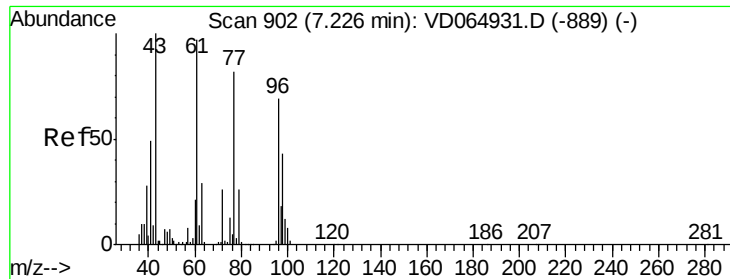
40000

20000

0

Time--> 6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 101.182 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBSD01

Tot Ion: 43 Resp: 122328

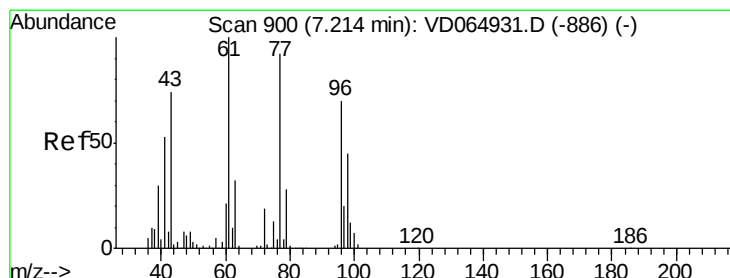
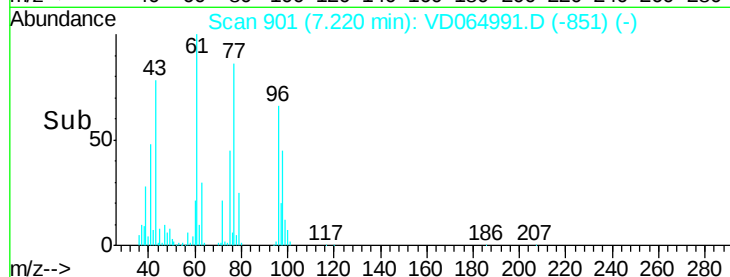
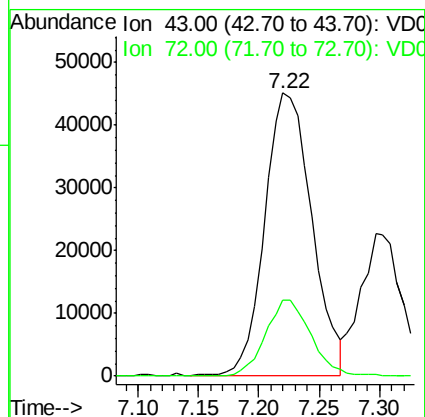
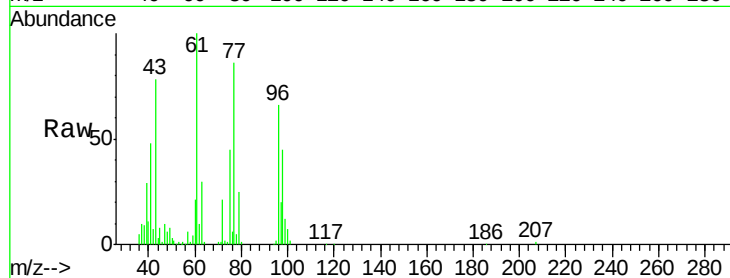
Ion Ratio Lower Upper

43 100

72 26.8 20.6 31.0

Manual Integrations
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MMDadoda
1/30/2020 10:27:13 AM



#26

2,2-Dichloropropane

Concen: 22.278 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD064991.D

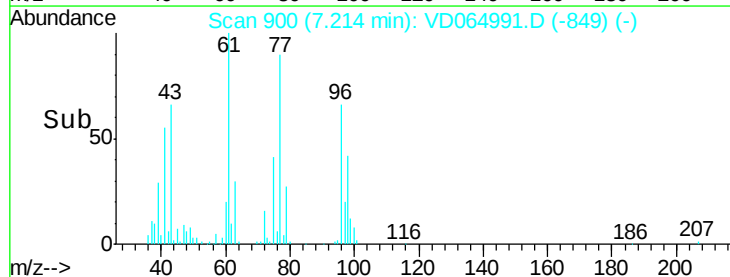
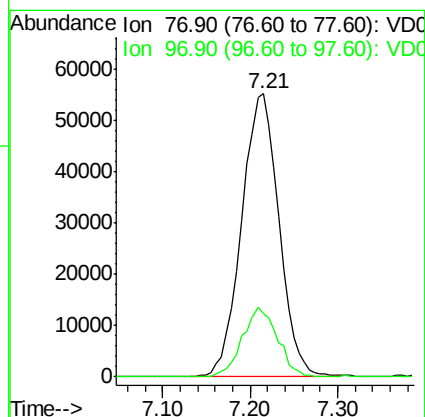
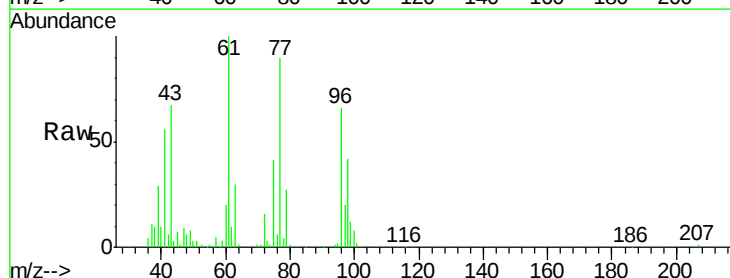
Acq: 29 Jan 2020 12:28

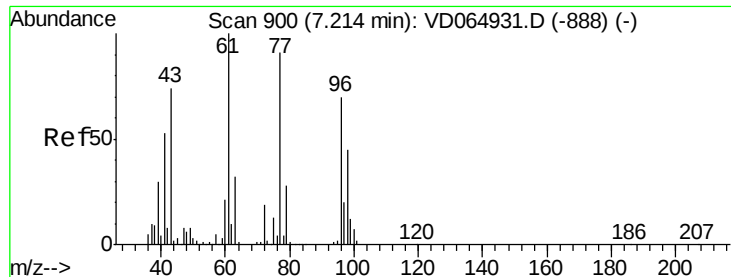
Tgt Ion: 77 Resp: 160148

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





#27

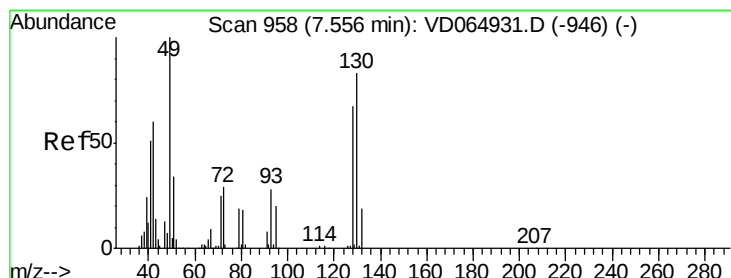
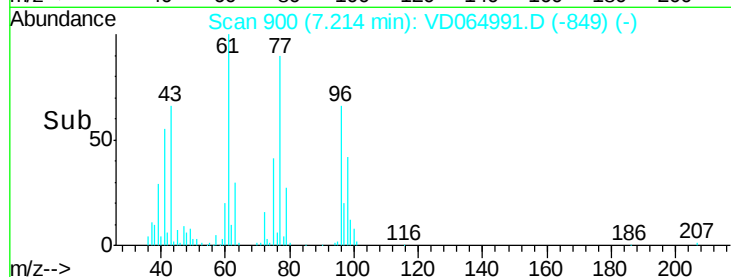
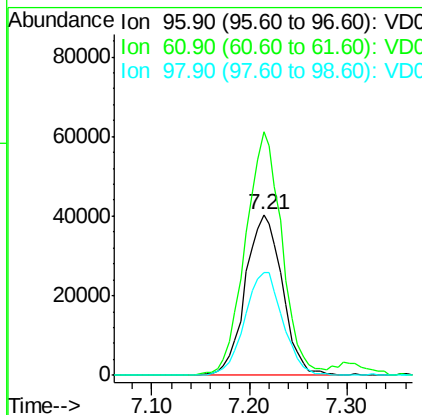
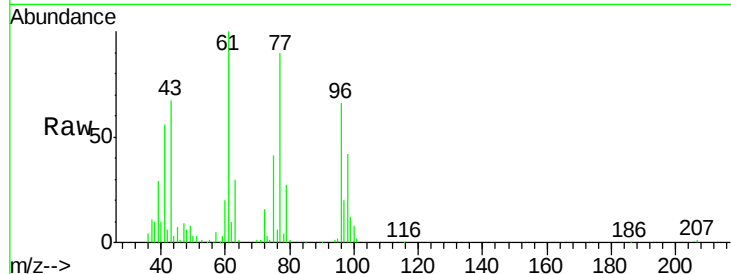
cis-1,2-Dichloroethene
Concen: 21.370 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	106717		
61	150.7		0.0	292.8
98	66.2		0.0	130.0

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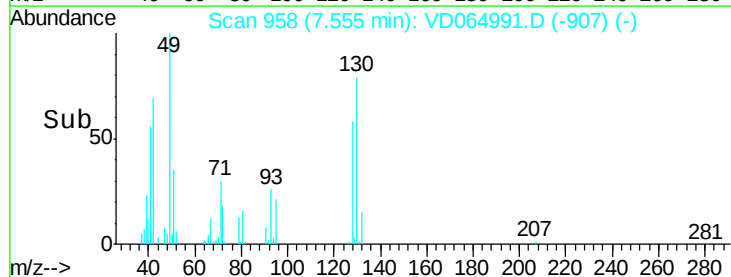
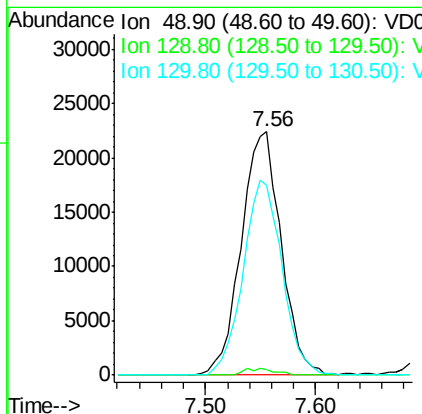
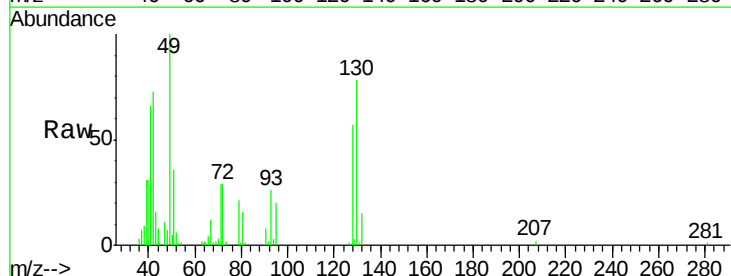
MMDadoda
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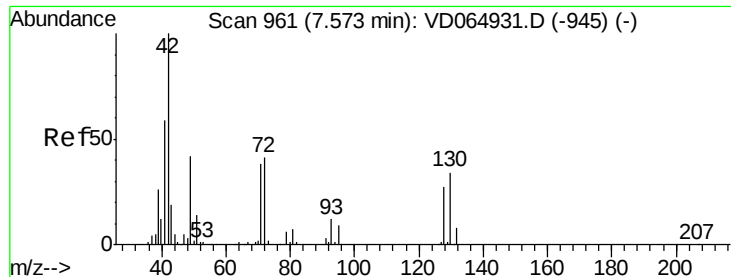


#28

Bromochloromethane
Concen: 17.903 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56744		
129	2.1		0.0	4.4
130	78.2		63.8	95.8





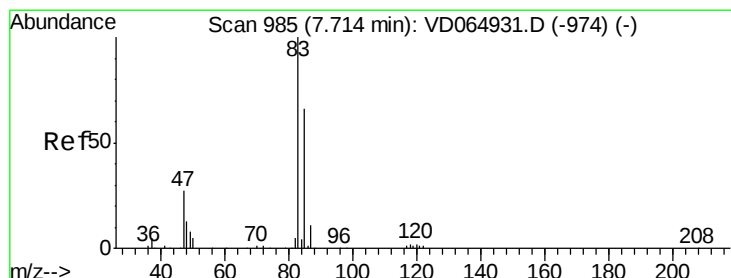
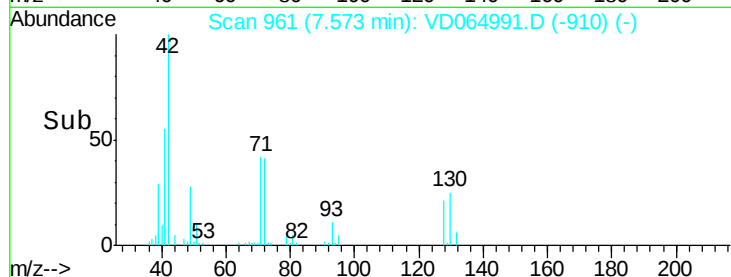
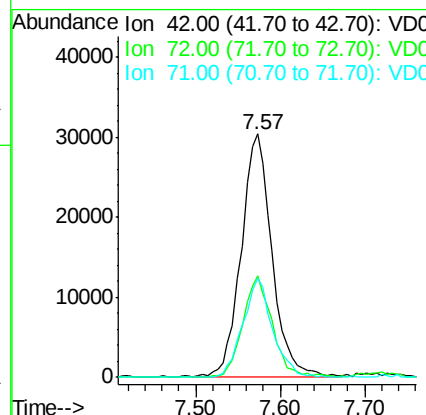
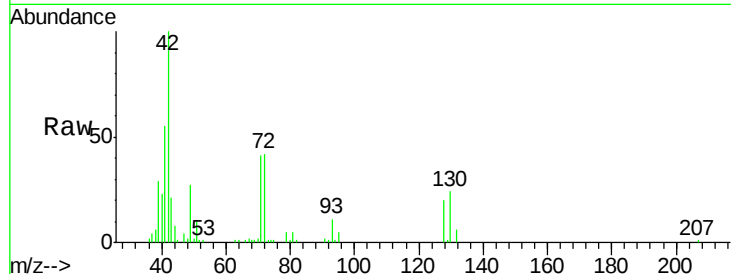
#29
Tetrahydrofuran
Concen: 103.057 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.0	34.0	51.0
71	39.2	31.5	47.3

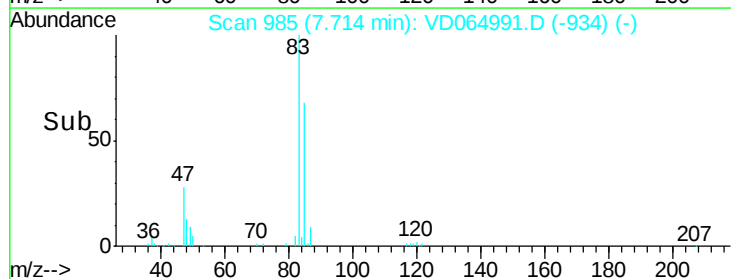
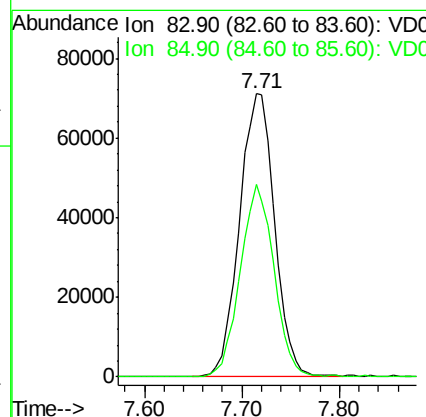
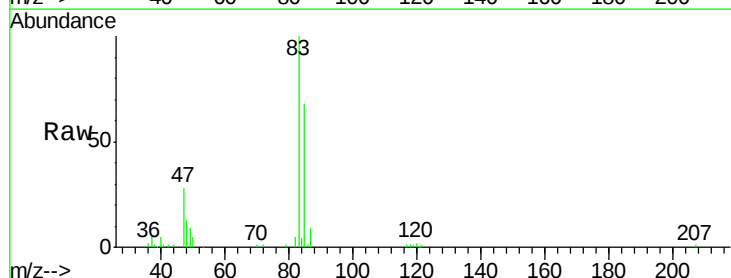
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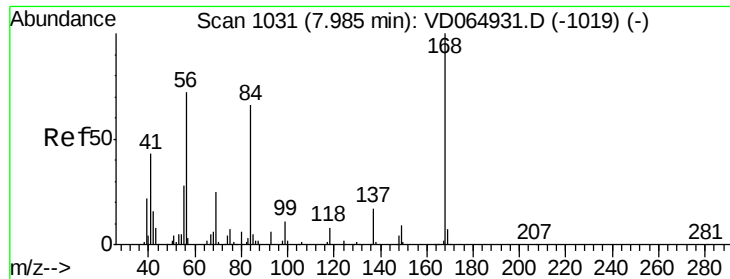
MMDadoda
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#30
Chloroform
Concen: 21.819 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.4	78.6





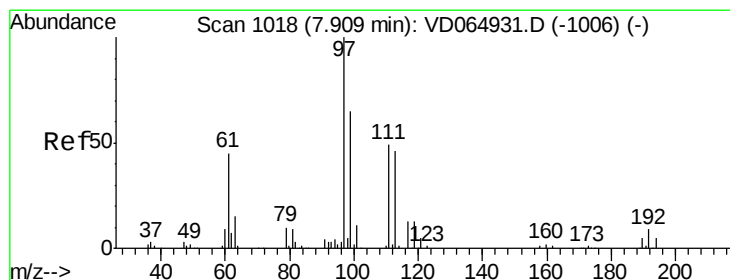
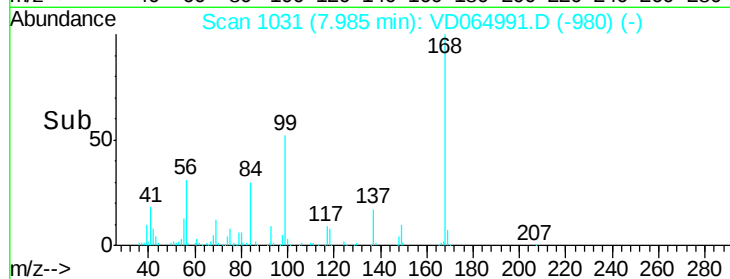
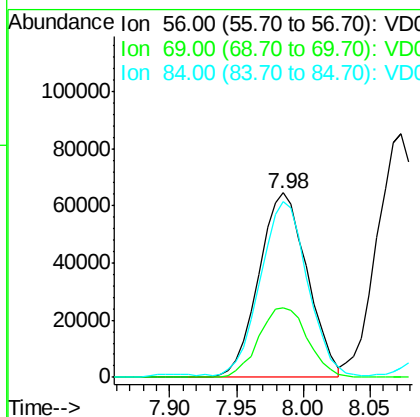
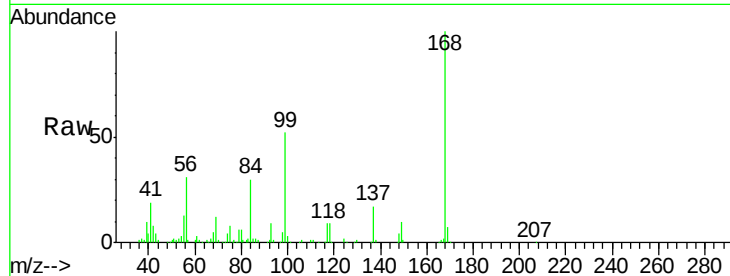
#31
Cyclohexane
Concen: 20.846 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	37.4	27.9	41.9	
84	93.5	72.8	109.2	

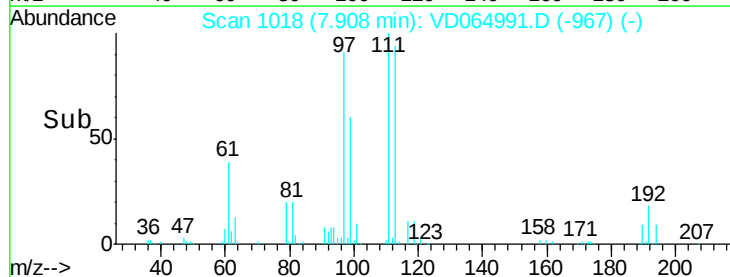
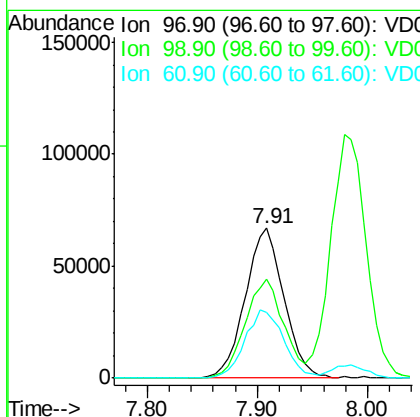
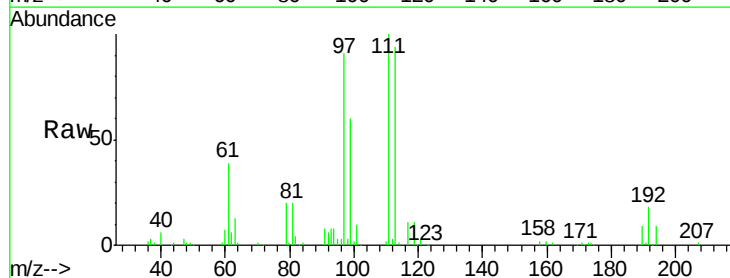
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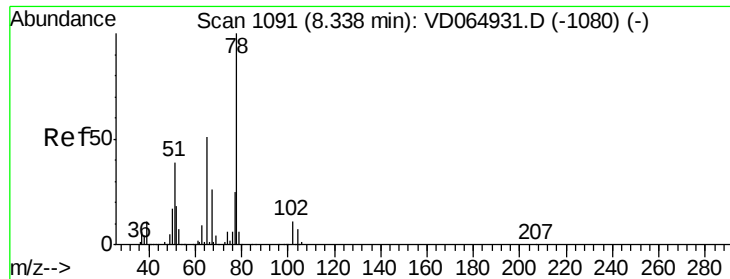
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#32
1,1,1-Trichloroethane
Concen: 21.638 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	66.0	50.6	76.0	
61	46.1	35.7	53.5	





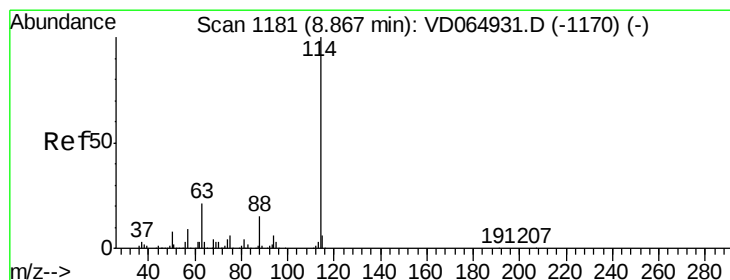
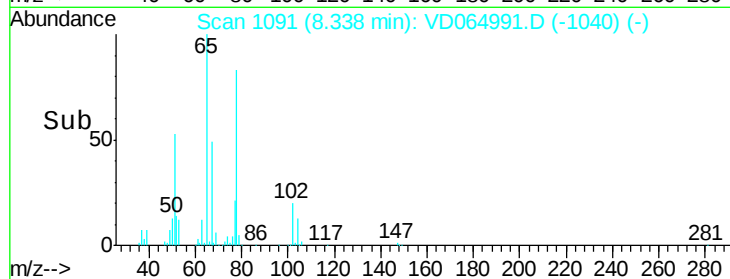
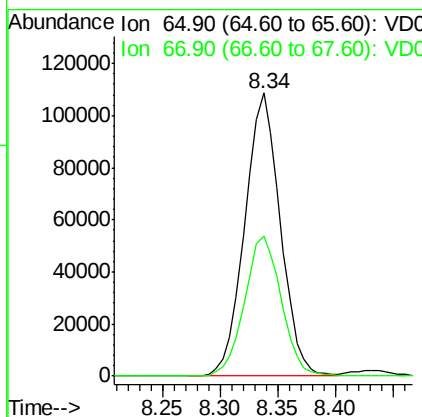
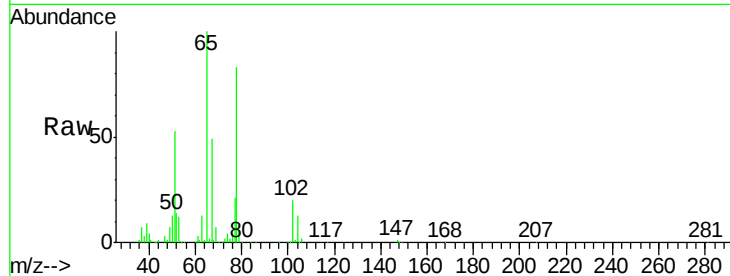
#33
 1,2-Dichloroethane-d4
 Concen: 52.102 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.3	0.0	103.6	

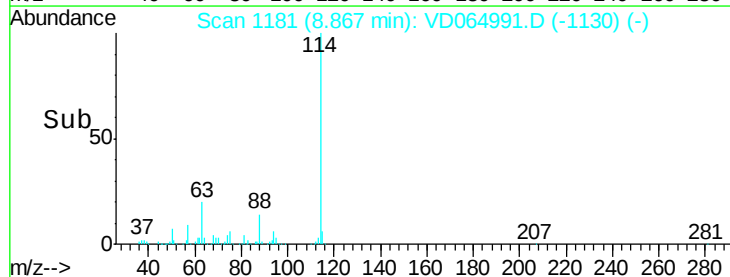
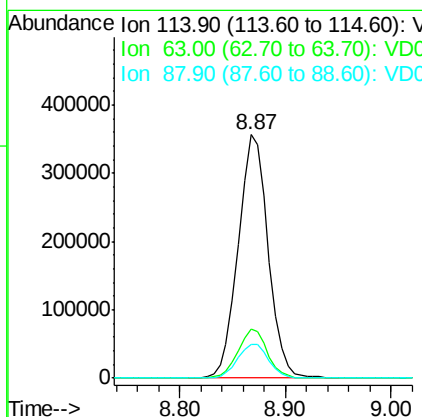
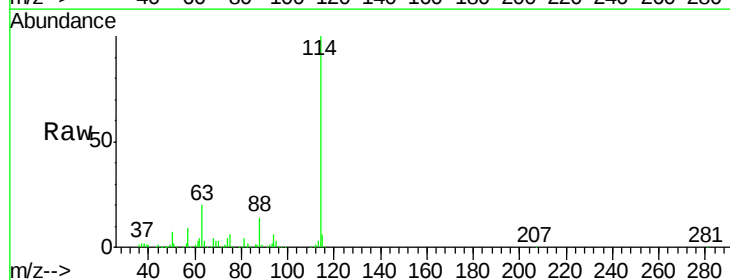
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	20.1	0.0	42.0	
88	14.1	0.0	29.4	





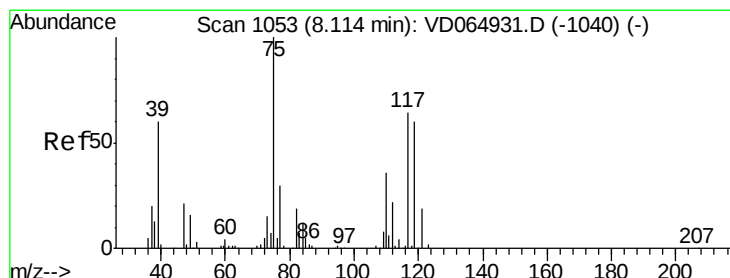
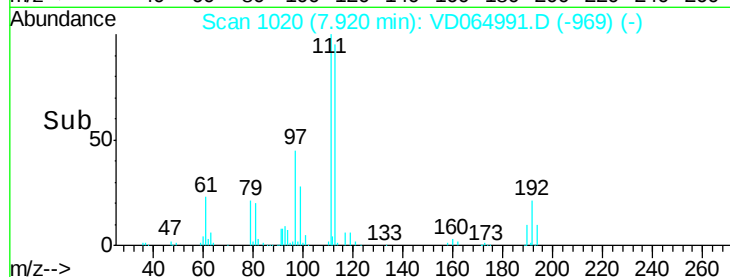
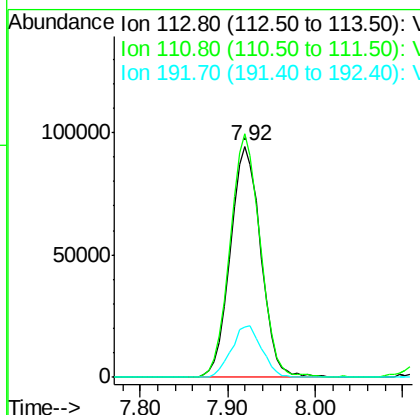
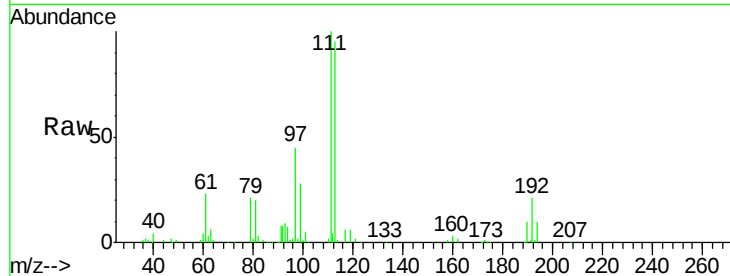
#35
 Dibromofluoromethane
 Concen: 50.738 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222876		
111	104.3	82.4	123.6	
192	22.4	16.9	25.3	

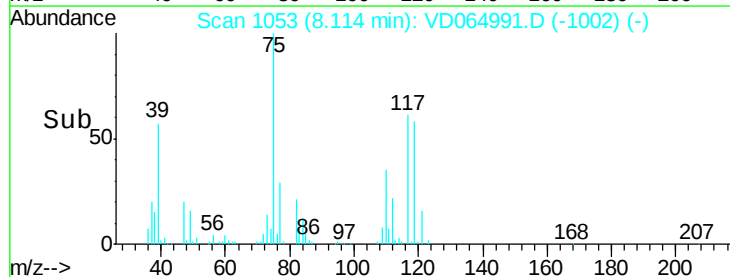
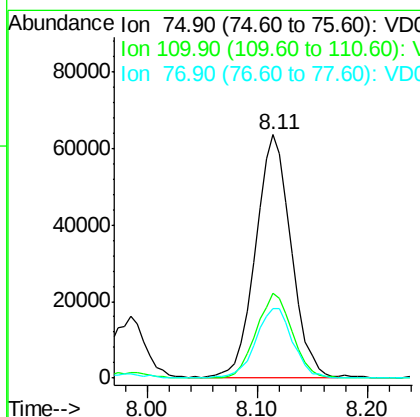
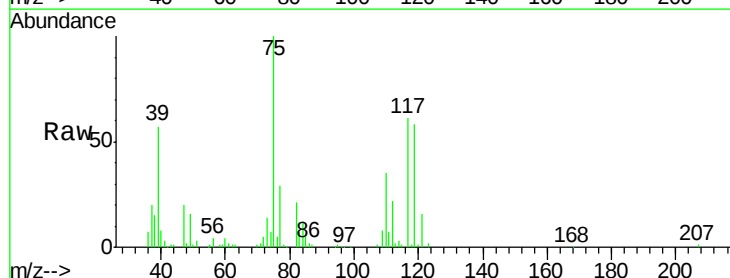
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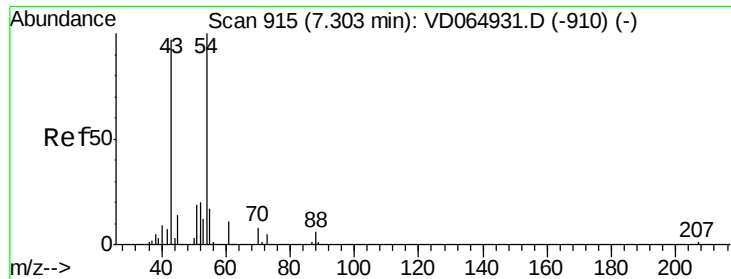
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#36
 1,1-Dichloropropene
 Concen: 21.065 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141987		
110	35.6	17.3	52.0	
77	30.3	24.7	37.1	





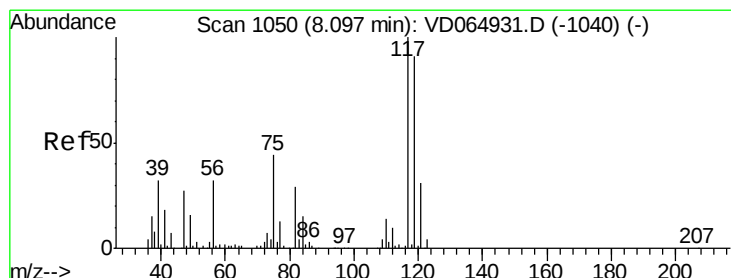
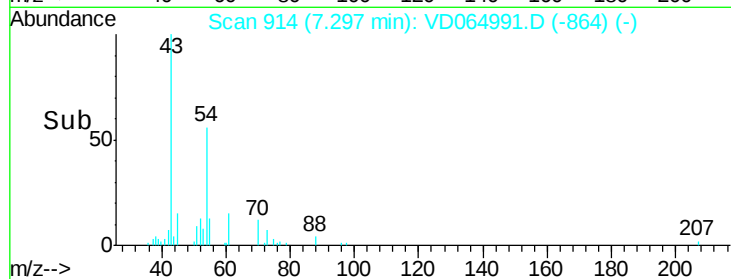
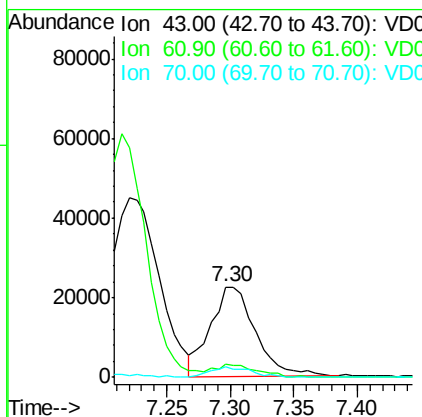
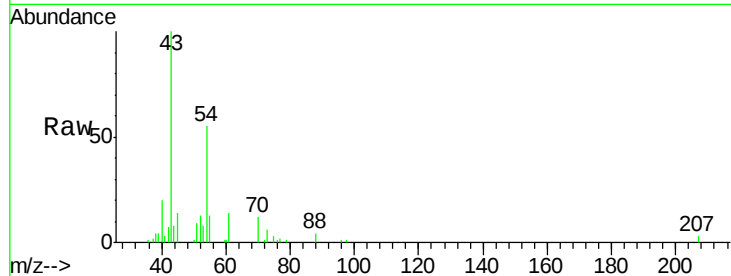
#37
Ethyl Acetate
Concen: 19.885 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.1	11.0	16.4
70	10.9	7.5	11.3

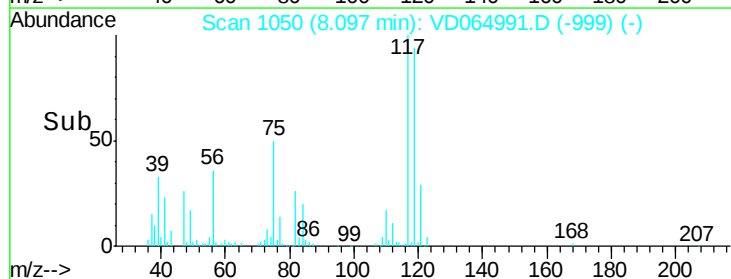
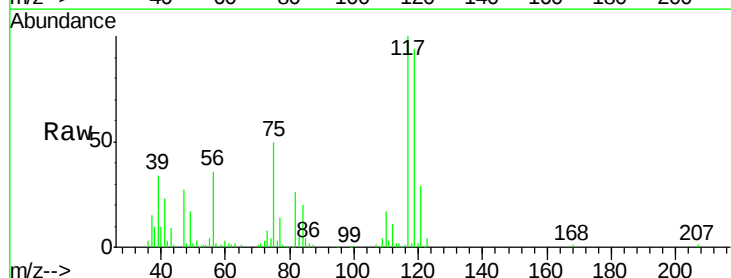
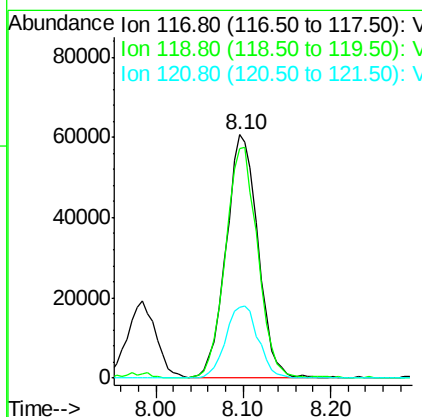
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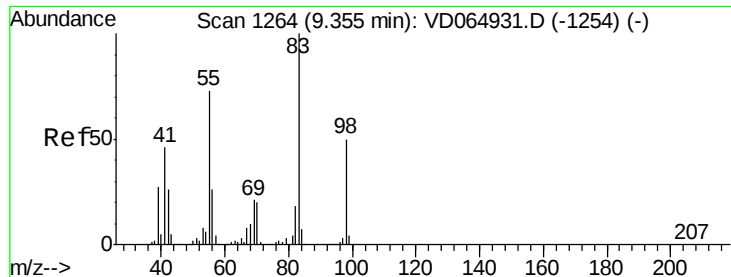
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#38
Carbon Tetrachloride
Concen: 21.155 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.5	73.2	109.8
121	29.0	24.4	36.6





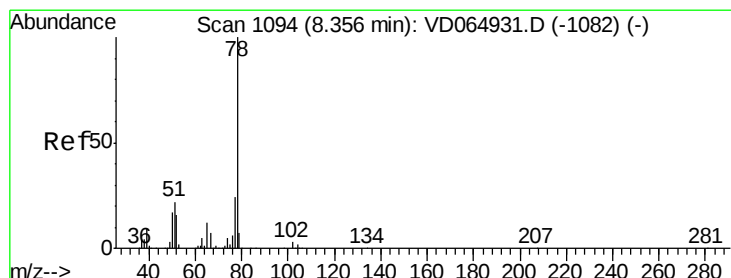
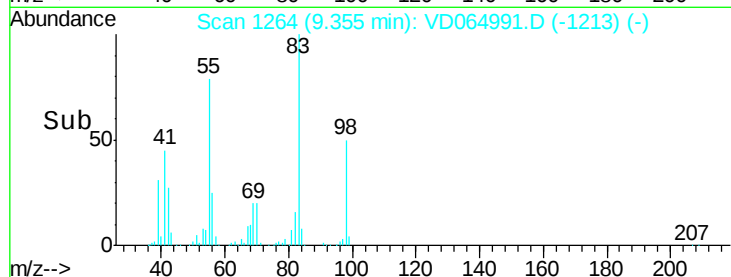
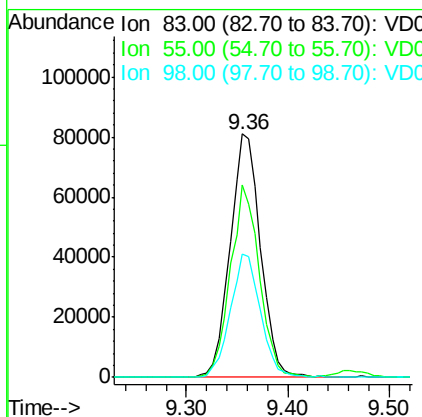
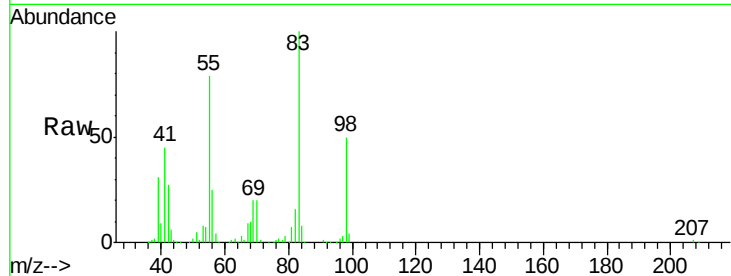
#39
Methvlcvclohexane
Concen: 21.336 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	168131		
55	79.3		58.7	88.1
98	50.5		40.2	60.2

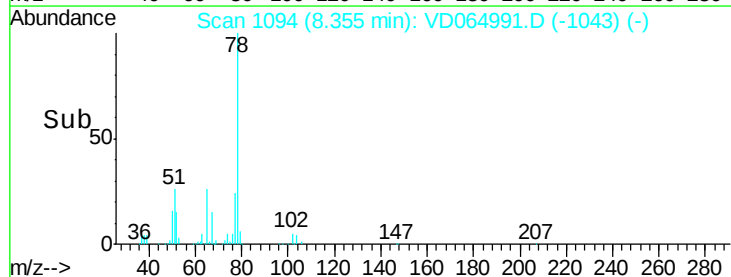
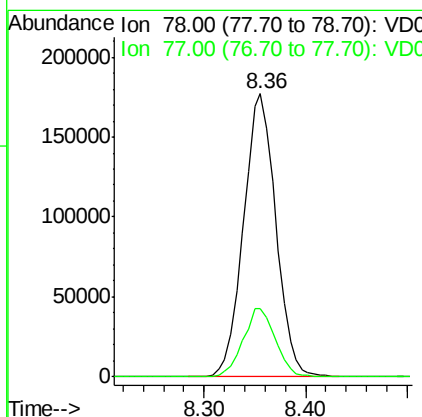
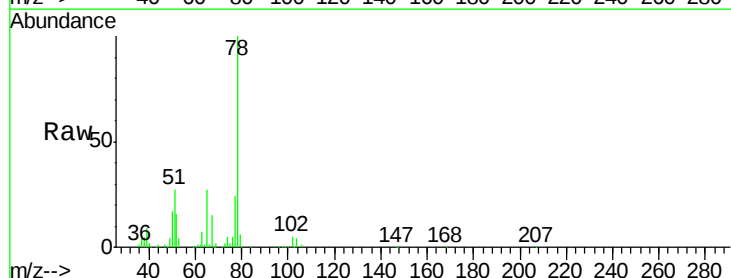
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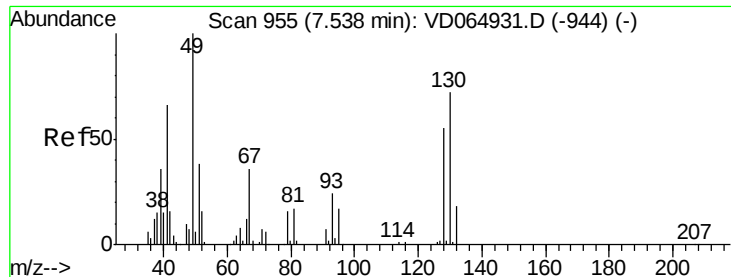
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#40
Benzene
Concen: 21.117 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	392022		
77	24.0		19.2	28.8





#41

Methacrylonitrile

Concen: 20.341 ug/l

RT: 7.54 min Scan# 955

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 41 Resp: 30508

Ion Ratio Lower Upper

41 100

39 64.8 49.3 73.9

67 74.7 51.0 76.6

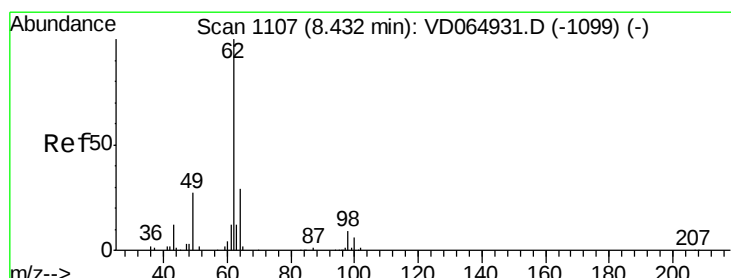
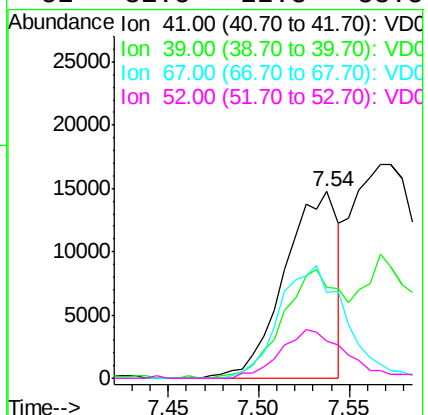
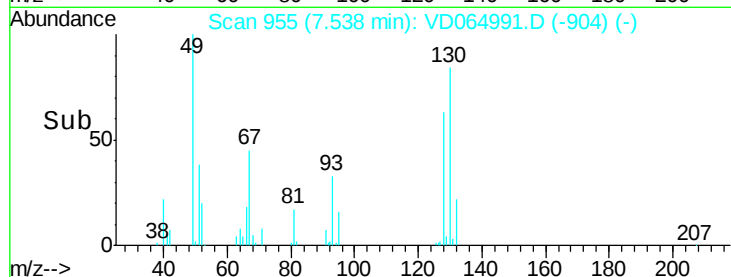
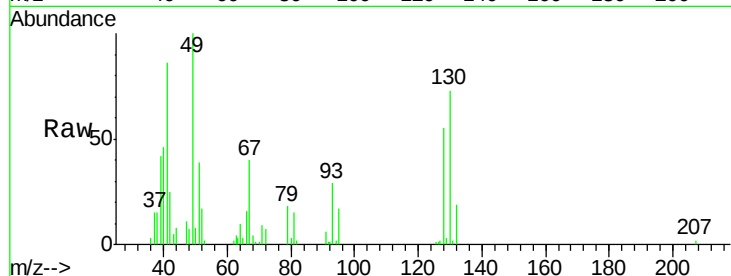
52 31.5 22.3 33.5

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 20.491 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064991.D

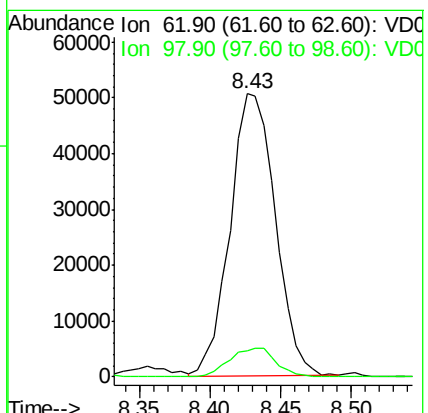
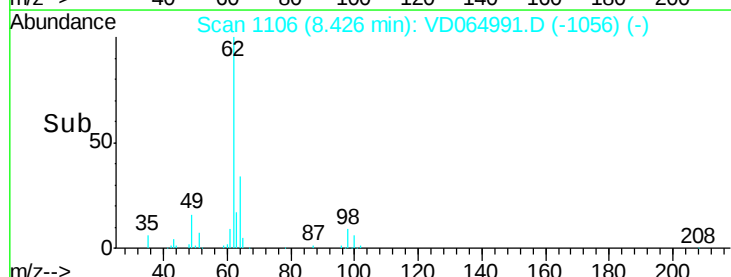
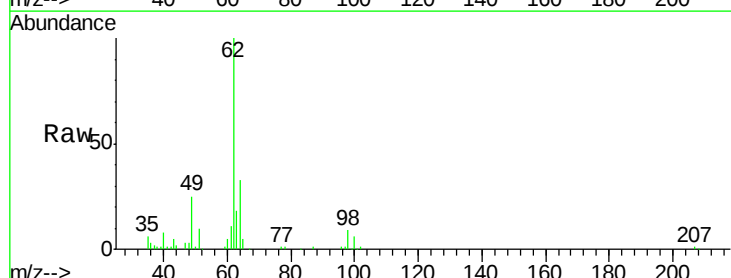
Acq: 29 Jan 2020 12:28

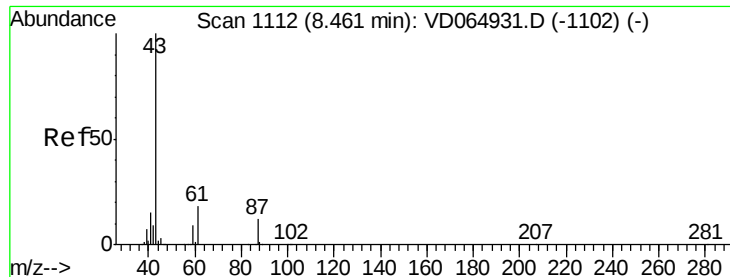
Tgt Ion: 62 Resp: 113314

Ion Ratio Lower Upper

62 100

98 10.3 0.0 17.8





#43

Isopropyl Acetate

Concen: 19.921 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

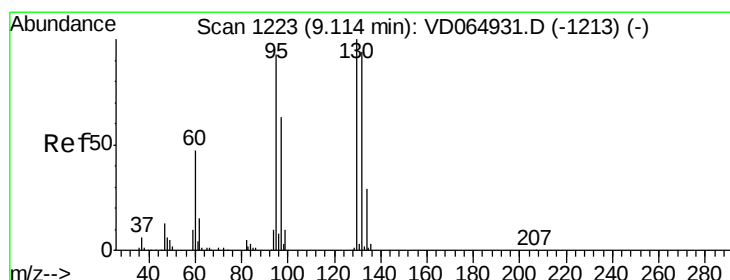
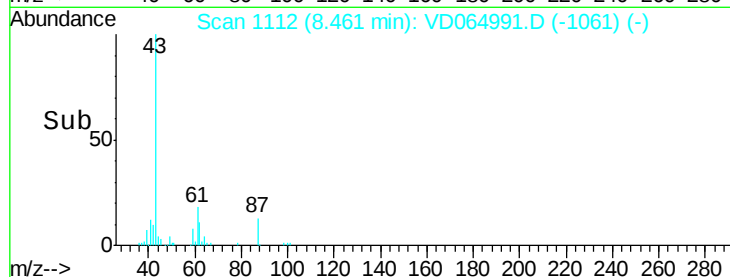
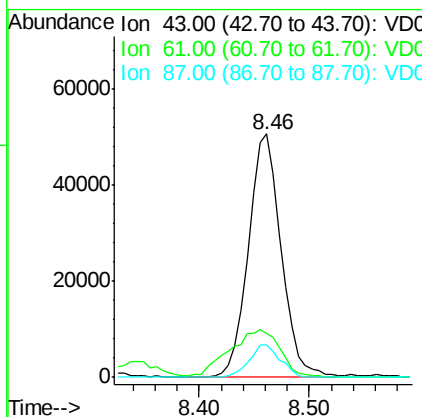
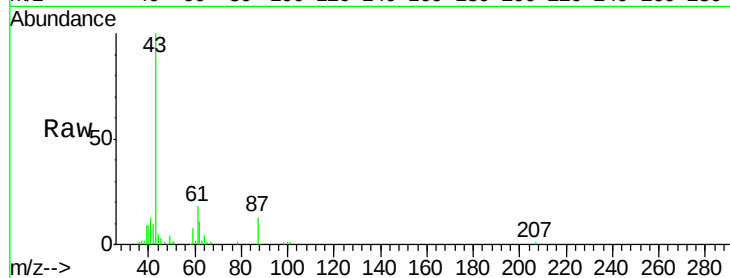
ClientSampleId :

VD0129SBS01

Tot Ion:	43	Resp:	105356
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.6
87	12.8	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 21.061 ug/l

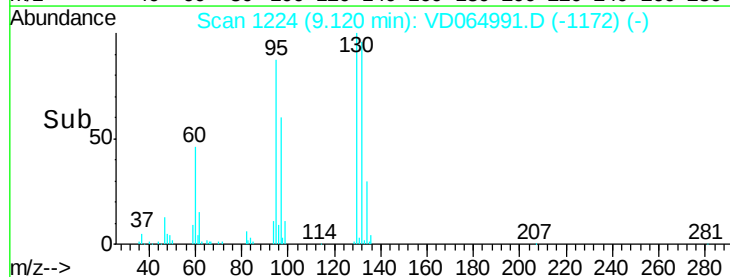
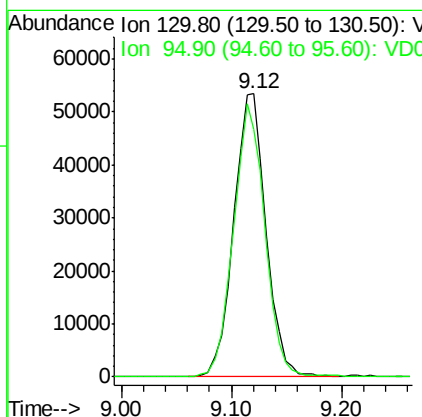
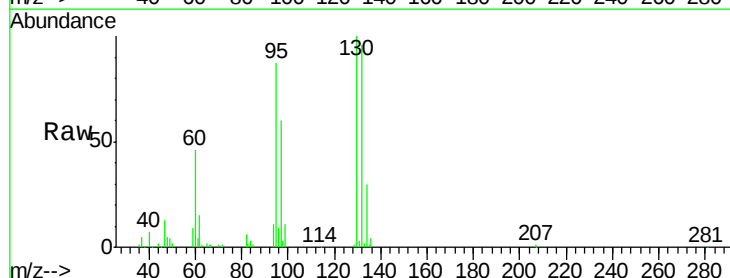
RT: 9.12 min Scan# 1224

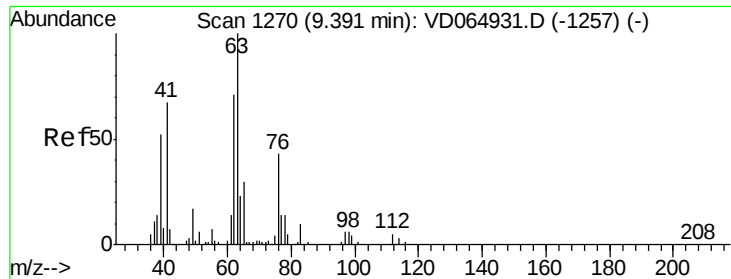
Delta R.T. 0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Tgt Ion:	130	Resp:	109422
Ion	Ratio	Lower	Upper
130	100		
95	87.4	0.0	185.8





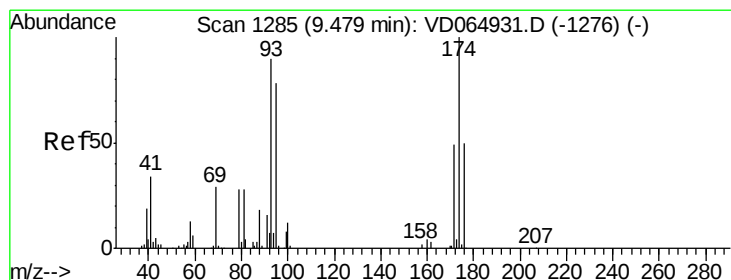
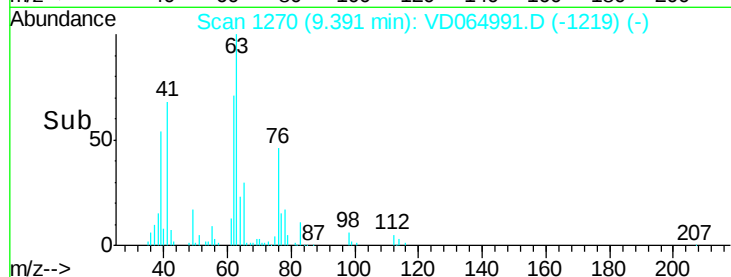
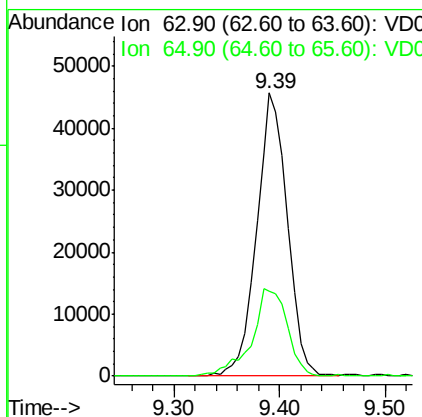
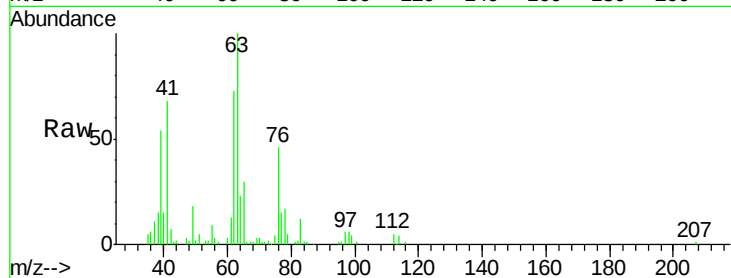
#45
 1,2-Dichloropropane
 Concen: 20.485 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.1	24.3	36.5

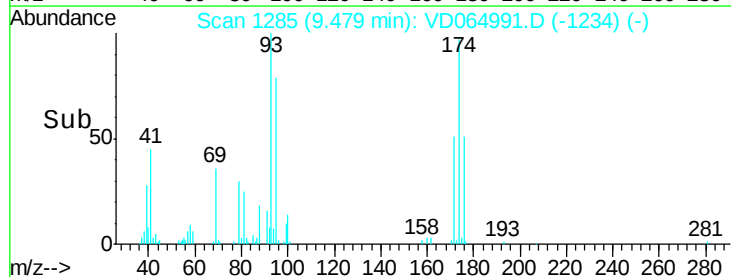
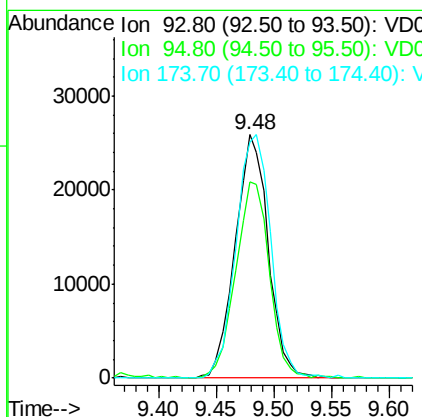
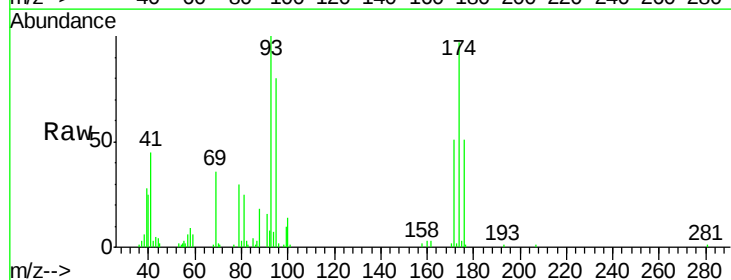
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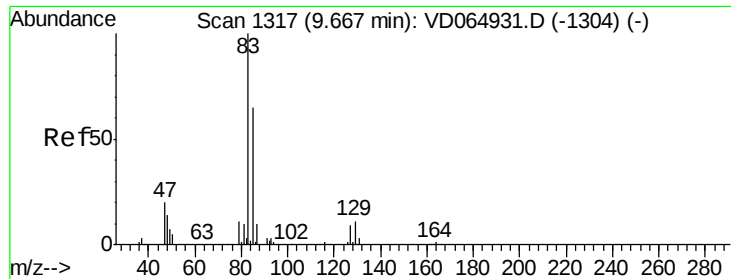
MMDadoda
 1/30/2020 10:27:13 AM



#46
 Dibromomethane
 Concen: 20.917 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.9	67.5	101.3
174	105.2	88.4	132.6





#47

Bromodichloromethane

Concen: 21.518 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

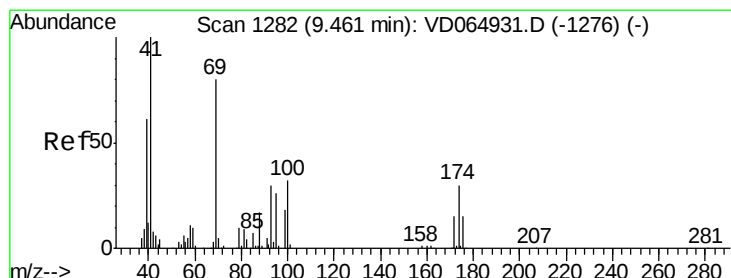
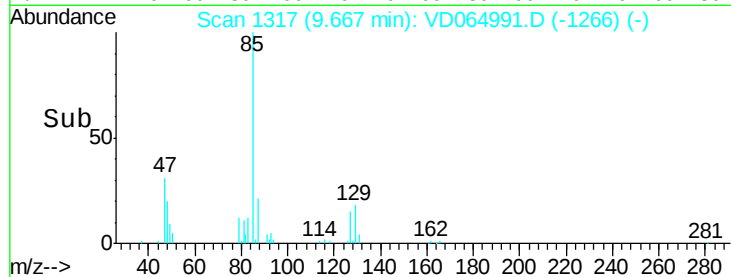
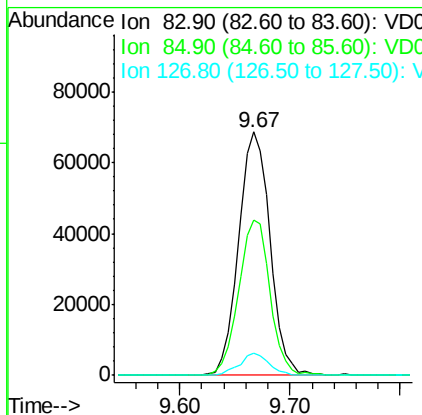
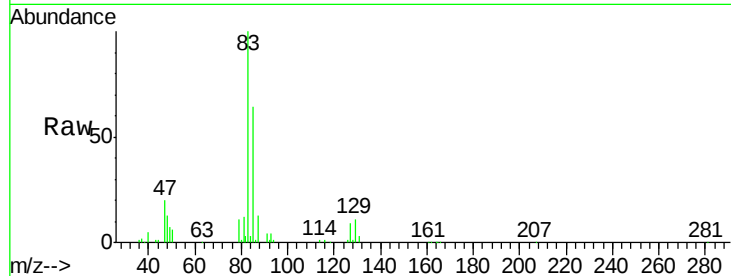
ClientSampleId :

VD0129SBSD01

Tot Ion:	83	Resp:	137574
Ion	Ratio	Lower	Upper
83	100		
85	63.8	52.0	78.0
127	9.2	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
1/30/2020 10:27:13 AM



#48

Methyl methacrylate

Concen: 19.865 ug/l

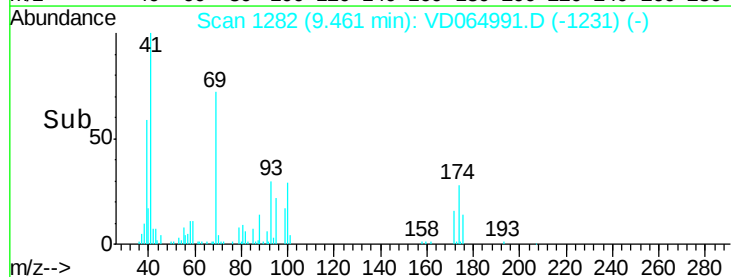
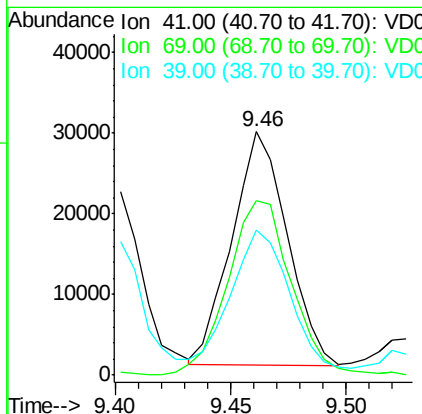
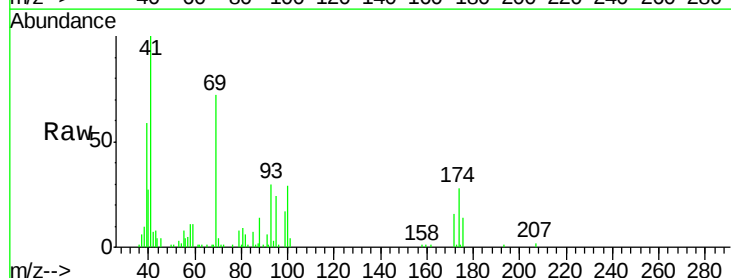
RT: 9.46 min Scan# 1282

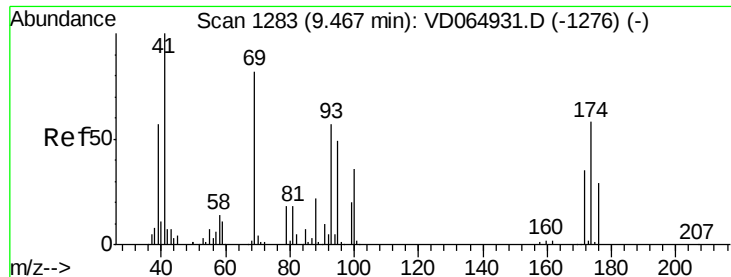
Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Tgt Ion:	41	Resp:	48347
Ion	Ratio	Lower	Upper
41	100		
69	85.9	65.8	98.8
39	68.5	49.4	74.0





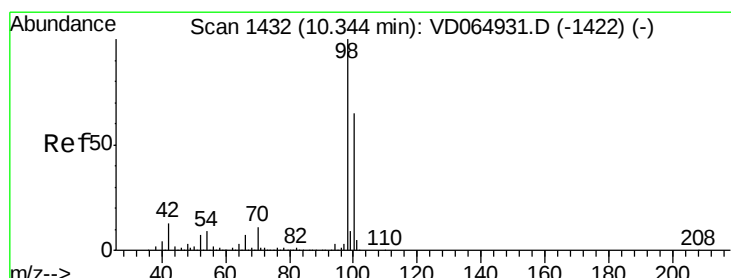
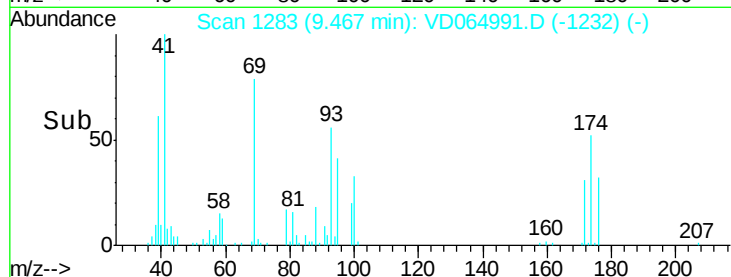
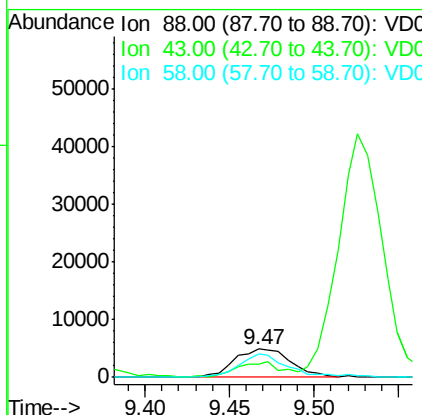
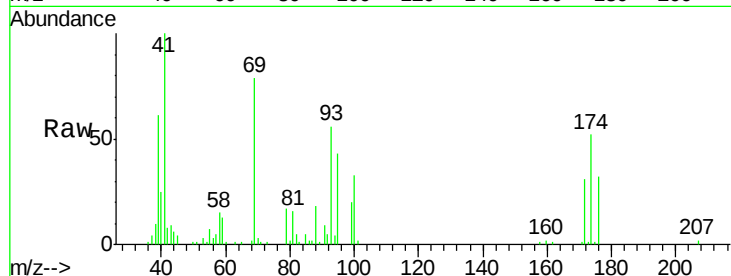
#49
1,4-Dioxane
Concen: 396.830 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	88	Resp	11308
Ion Ratio	Lower	Upper	
88	100		
43	46.5	26.2	39.4#
58	73.0	50.3	75.5

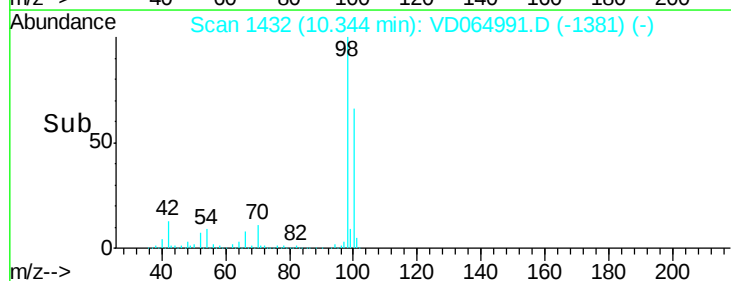
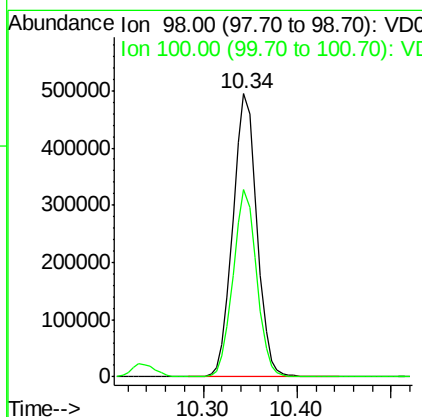
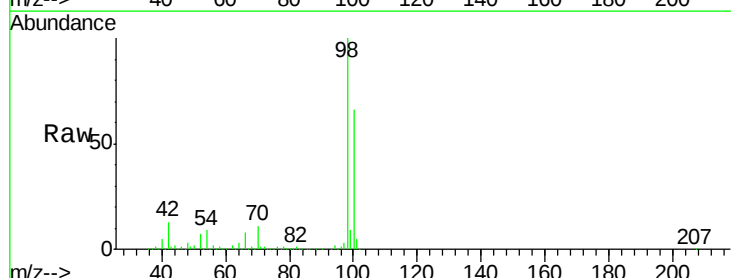
Manual Integrations
APPROVED

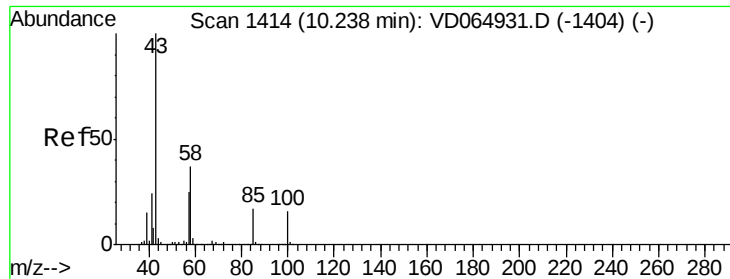
MMDadoda
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#50
Toluene-d8
Concen: 51.873 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	98	Resp	879461
Ion Ratio	Lower	Upper	
98	100		
100	65.0	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 101.193 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 43 Resp: 267780

Ion Ratio Lower Upper

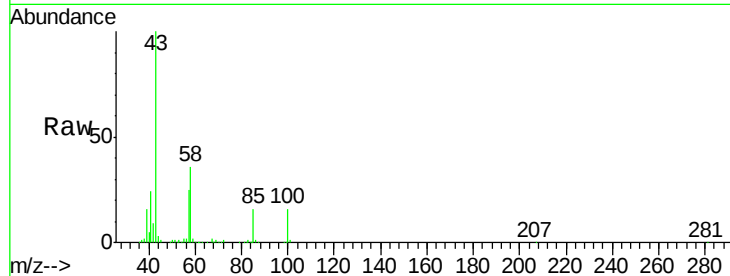
43 100

58 37.3 30.4 45.6

Manual Integrations
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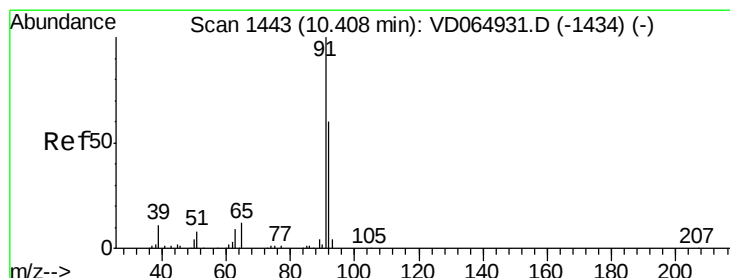
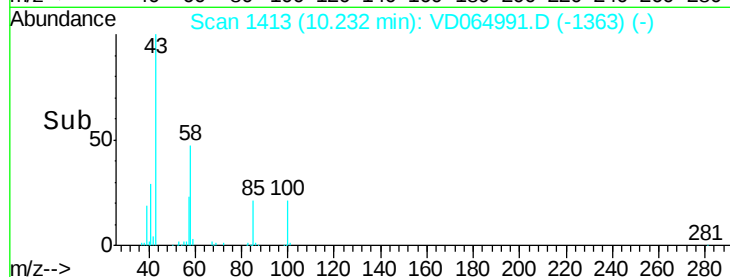
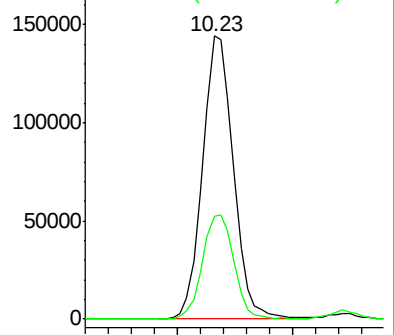
MMDadoda

1/30/2020 10:27:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 21.208 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064991.D

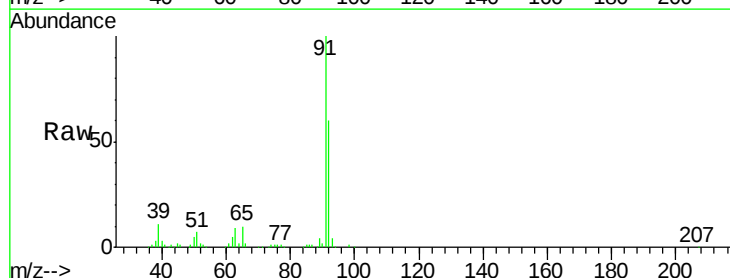
Acq: 29 Jan 2020 12:28

Tgt Ion: 92 Resp: 253827

Ion Ratio Lower Upper

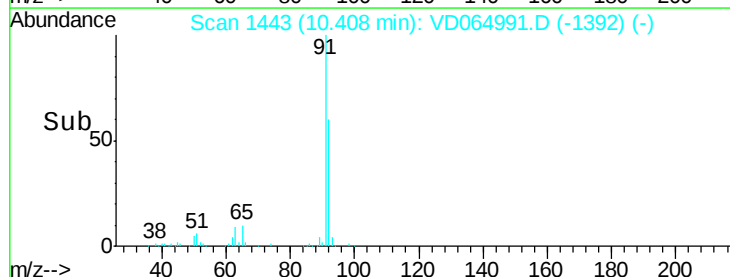
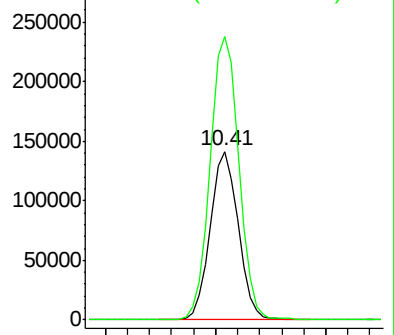
92 100

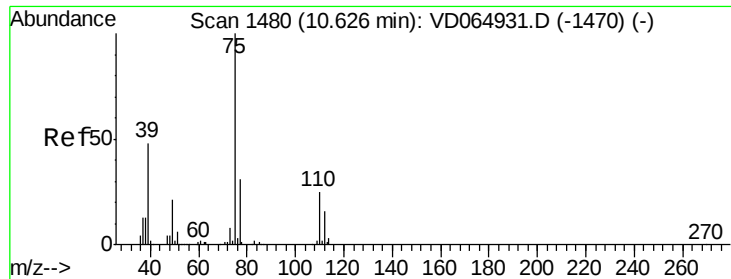
91 172.1 136.8 205.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





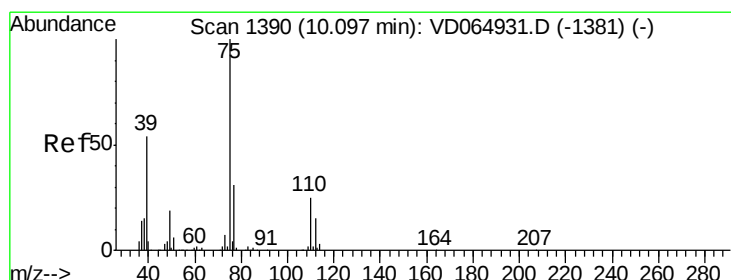
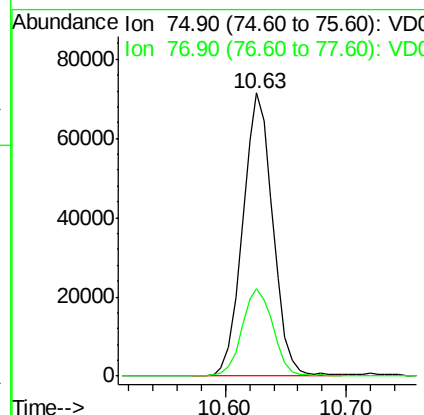
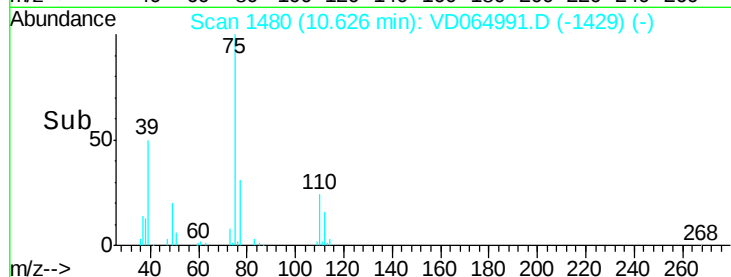
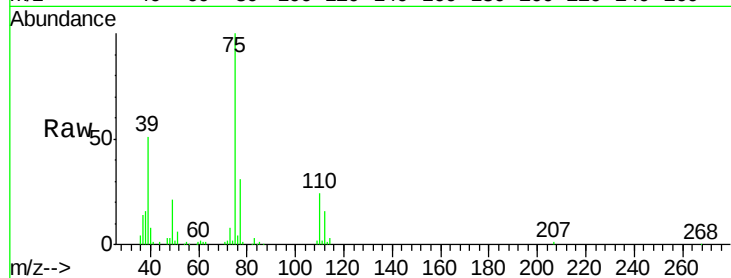
#53
t-1,3-Dichloropropene
Concen: 20.383 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.8	25.0	37.6

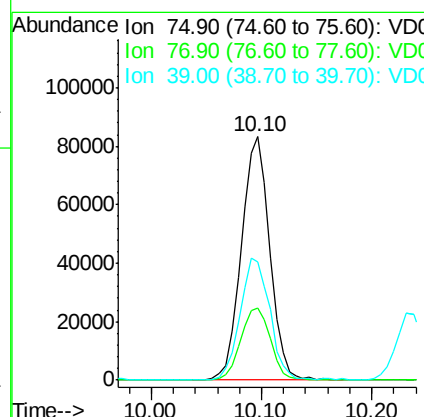
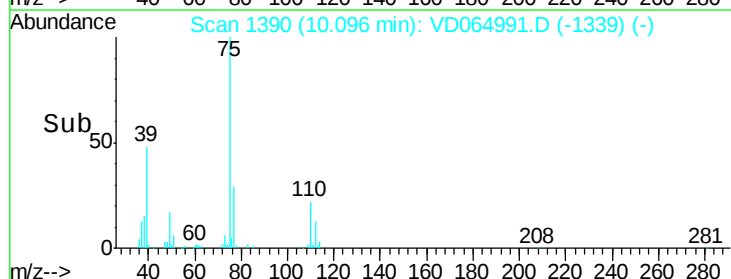
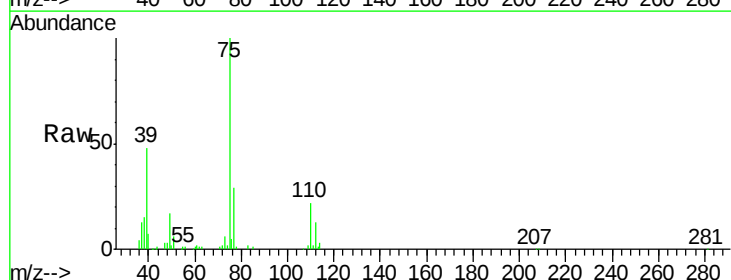
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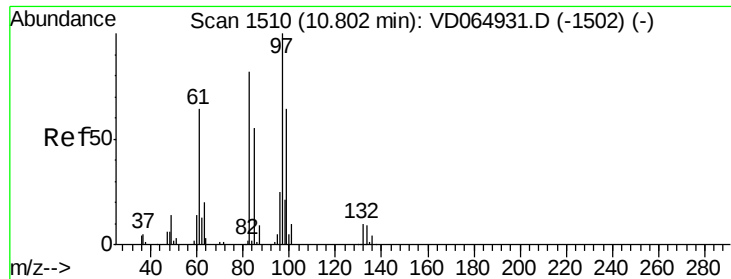
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.164 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.5	25.1	37.7
39	48.3	43.0	64.6





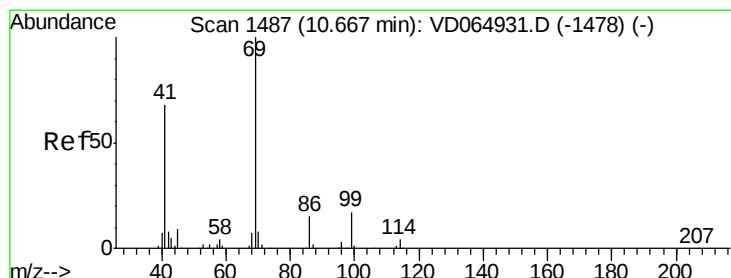
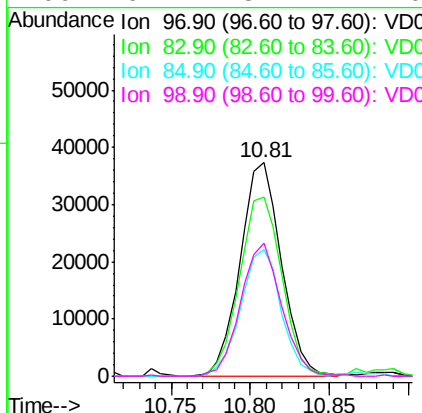
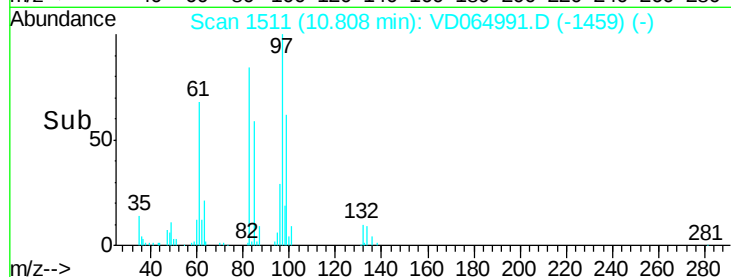
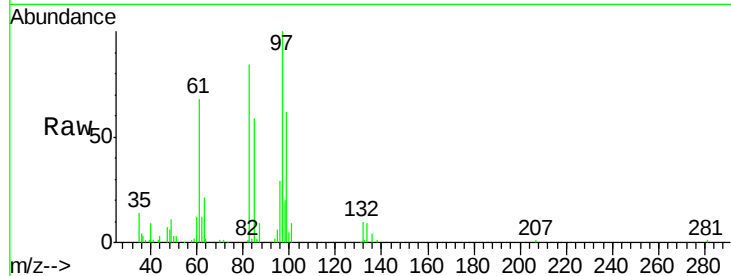
#55
 1,1,2-Trichloroethane
 Concen: 20.410 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion:	97	Resp:	67549
Ion	Ratio	Lower	Upper
97	100		
83	84.0	66.0	99.0
85	59.4	44.4	66.6
99	62.1	51.4	77.0

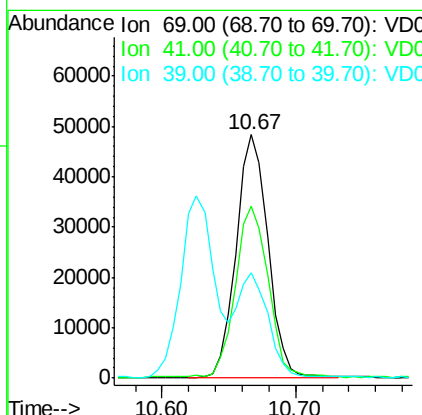
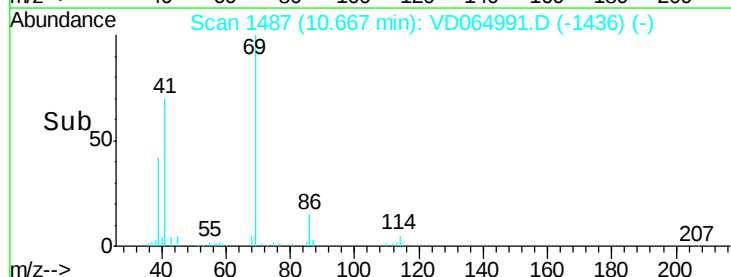
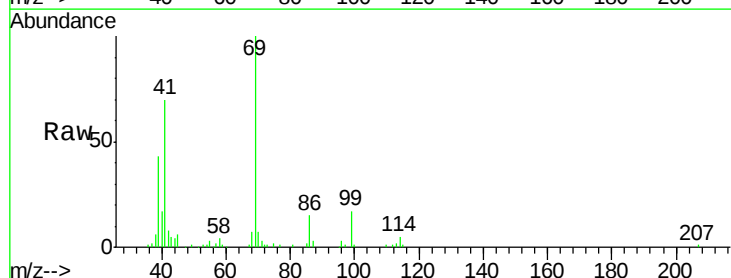
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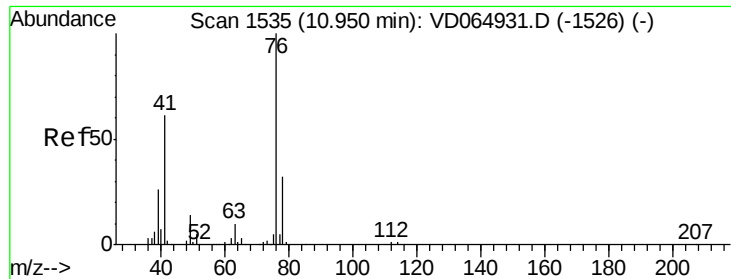
MMDadoda
 1/30/2020 10:27:13 AM



#56
 Ethyl methacrylate
 Concen: 20.283 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion:	69	Resp:	80273
Ion	Ratio	Lower	Upper
69	100		
41	72.4	56.4	84.6
39	41.1	30.6	46.0





#57

1,3-Dichloropropane

Concen: 21.355 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 76 Resp: 121222

Ion Ratio Lower Upper

76 100

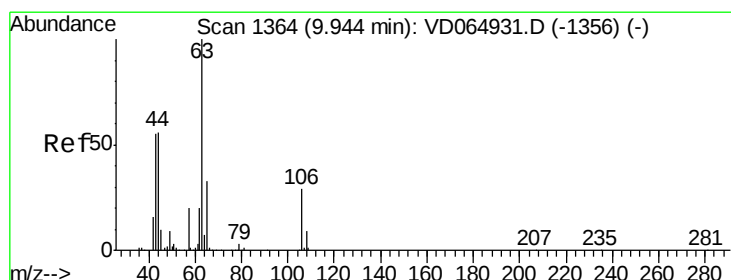
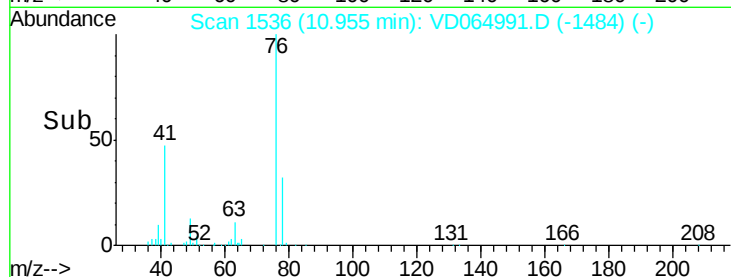
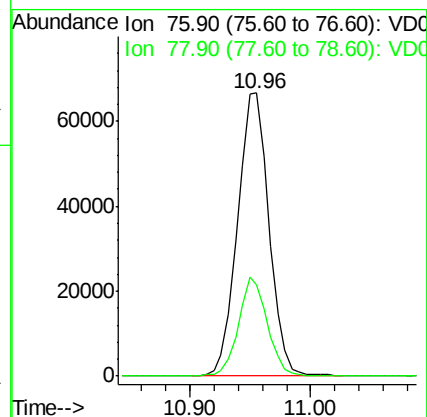
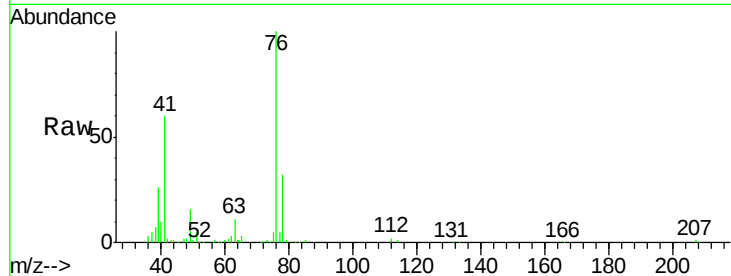
78 31.9 25.7 38.5

Manual Integrations

APPROVED

MMDadoda

1/30/2020 10:27:13 AM



#58

2-Chloroethyl Vinyl ether

Concen: 98.344 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064991.D

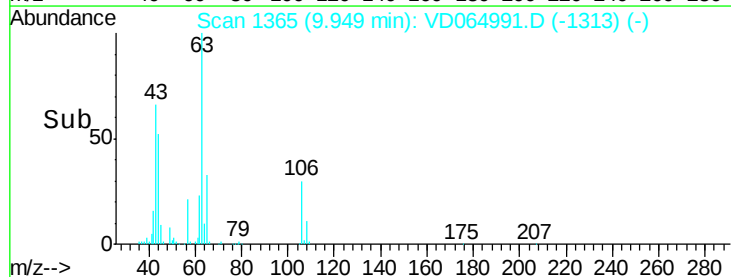
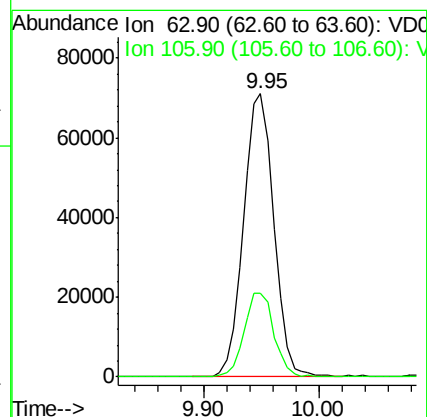
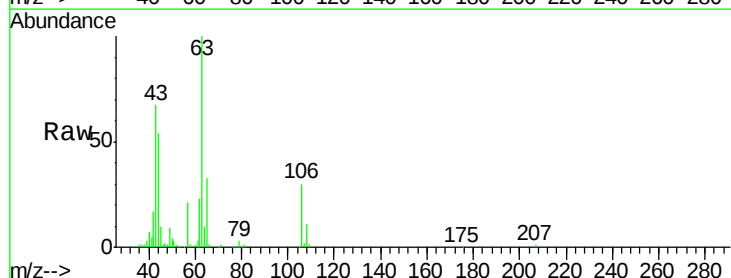
Acq: 29 Jan 2020 12:28

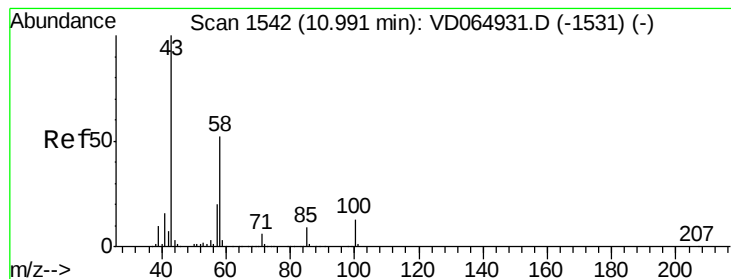
Tgt Ion: 63 Resp: 129306

Ion Ratio Lower Upper

63 100

106 29.2 23.0 34.4





#59

2-Hexanone

Concen: 98.533 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 43 Resp: 179852

Ion Ratio Lower Upper

43 100

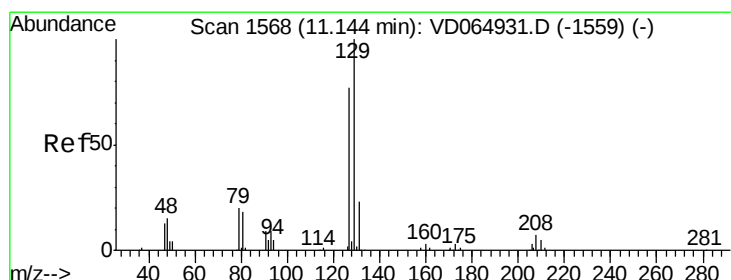
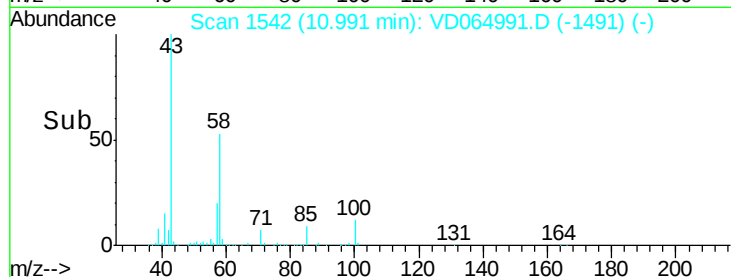
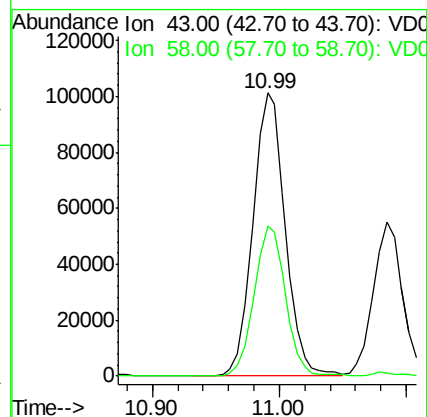
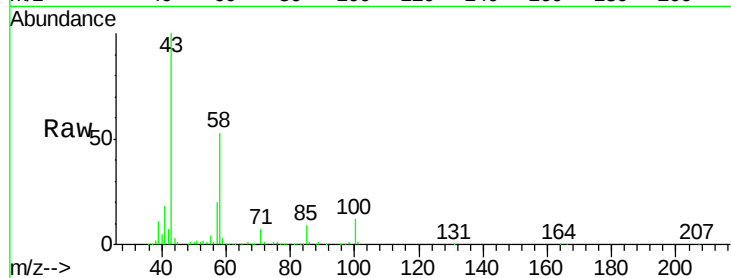
58 51.4 26.5 79.4

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#60

Dibromochloromethane

Concen: 20.500 ug/l

RT: 11.14 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VD064991.D

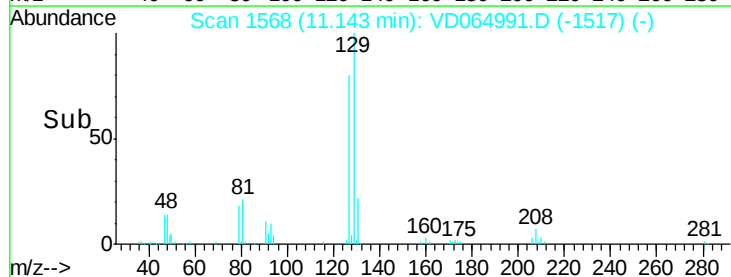
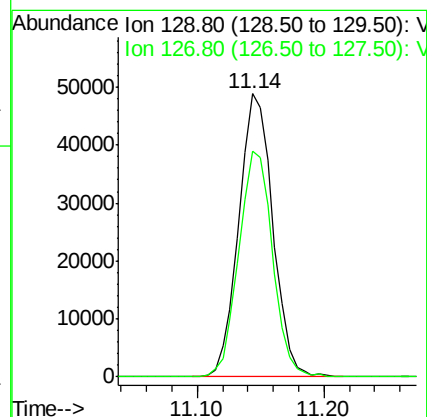
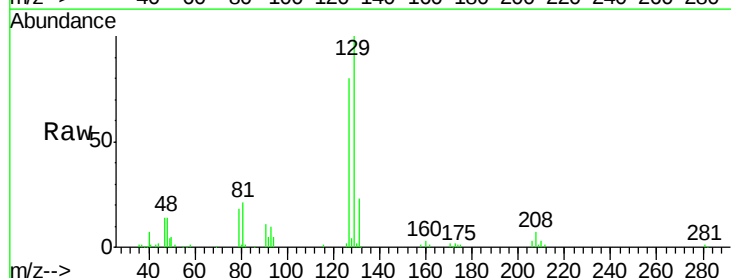
Acq: 29 Jan 2020 12:28

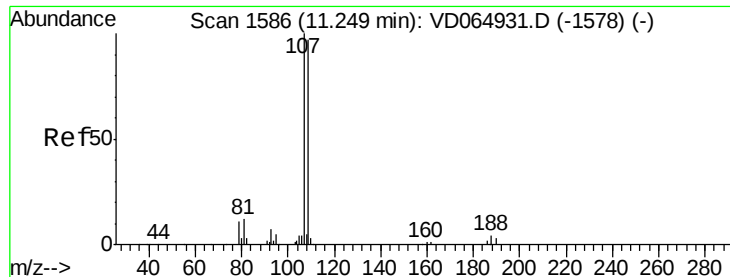
Tgt Ion: 129 Resp: 90679

Ion Ratio Lower Upper

129 100

127 79.4 38.2 114.6





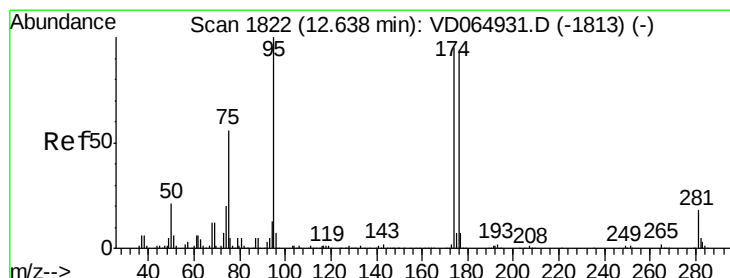
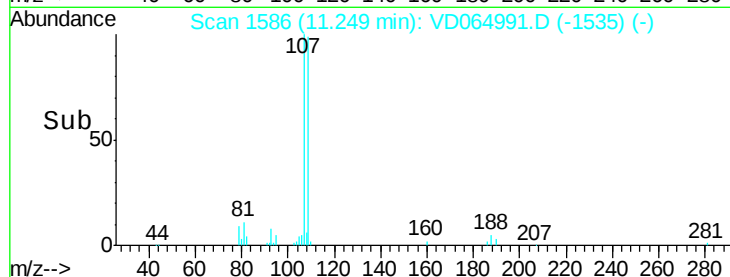
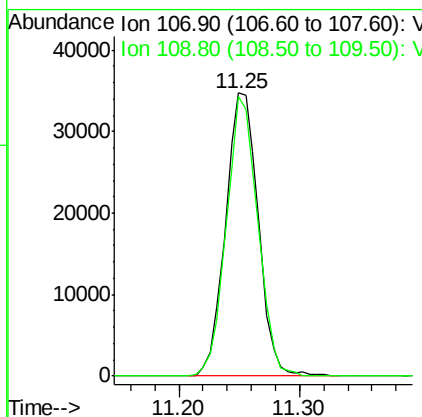
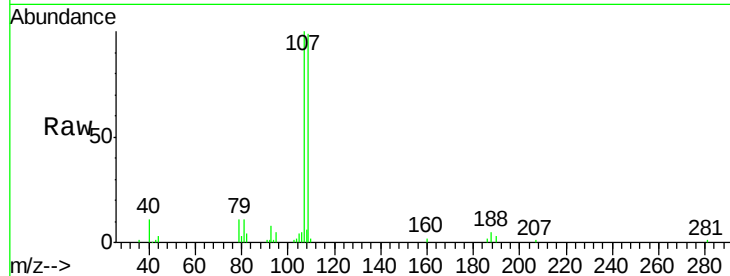
#61
 1,2-Dibromoethane
 Concen: 20.481 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	77.1	115.7

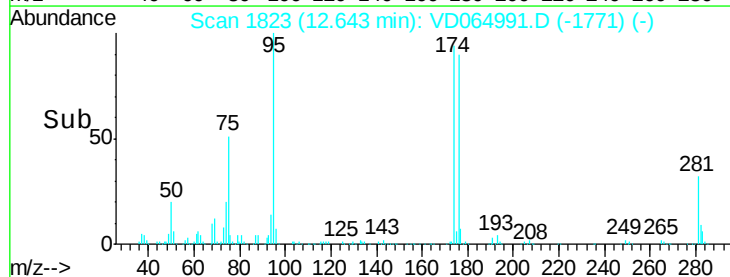
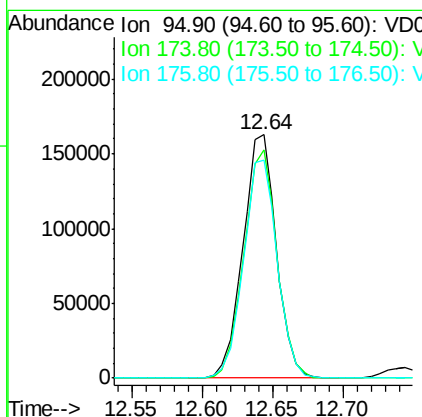
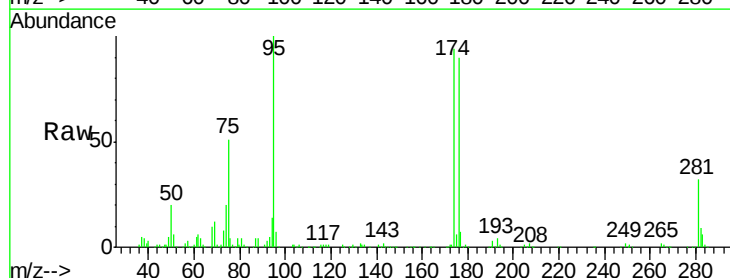
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#62
 4-Bromofluorobenzene
 Concen: 51.908 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	186.8
176	90.3	0.0	183.4





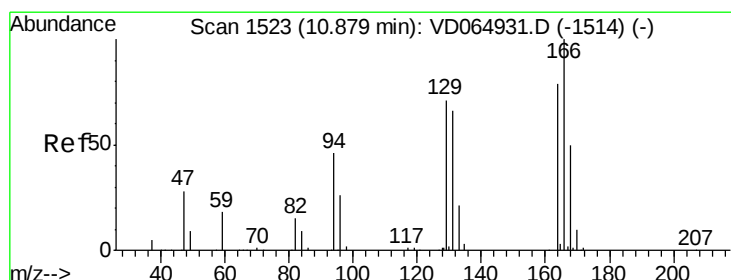
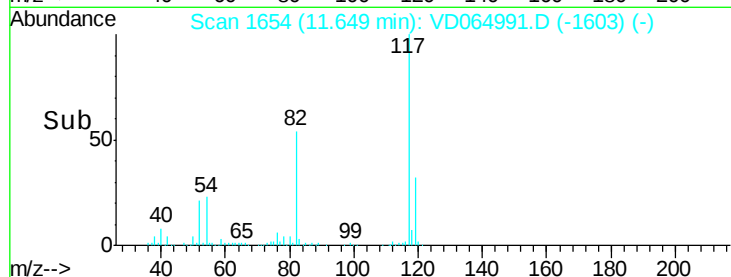
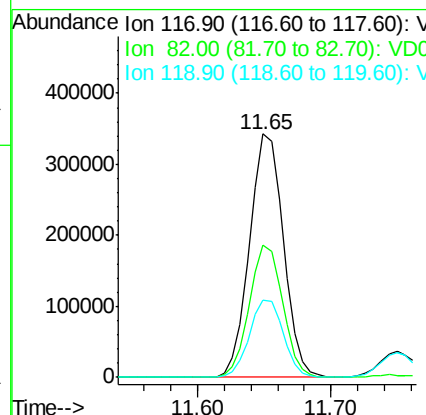
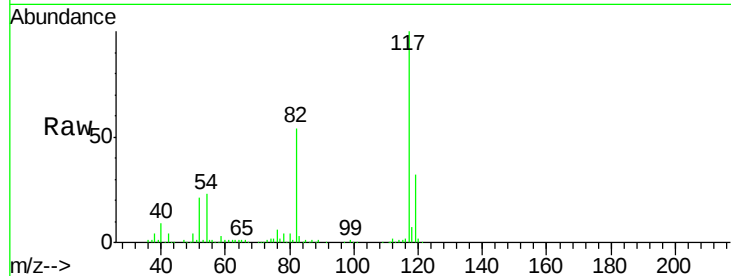
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	601058		
82	54.2		43.6	65.4
119	31.7		25.2	37.8

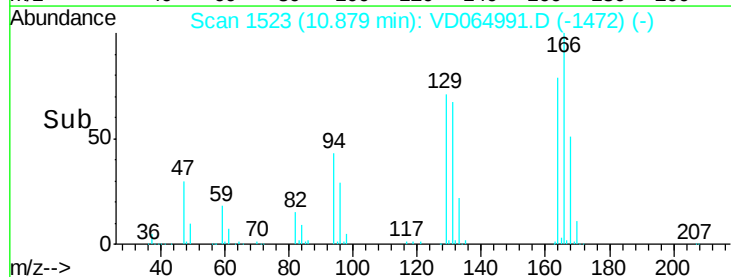
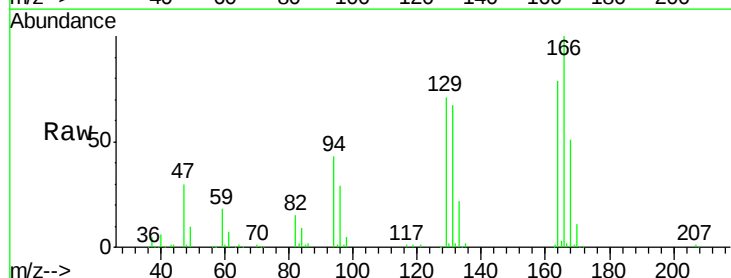
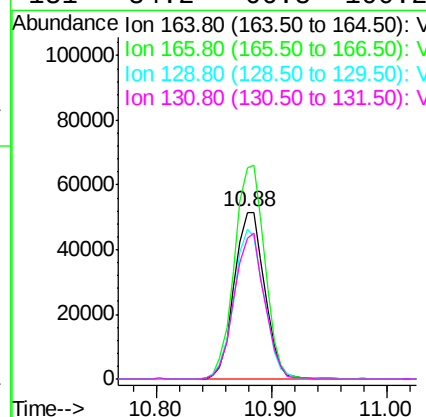
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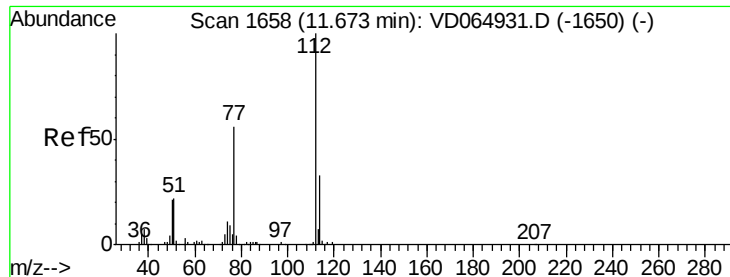
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#64
Tetrachloroethene
Concen: 21.630 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	93947		
166	126.5		101.4	152.2
129	89.9		71.8	107.8
131	84.2		66.8	100.2





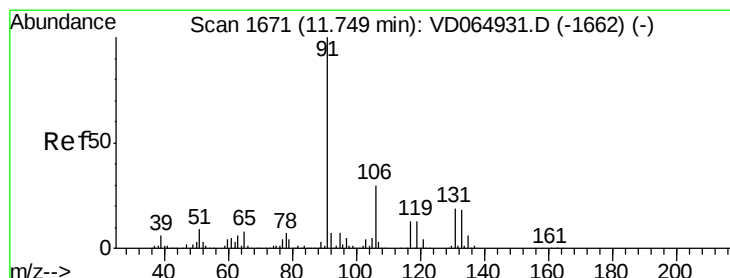
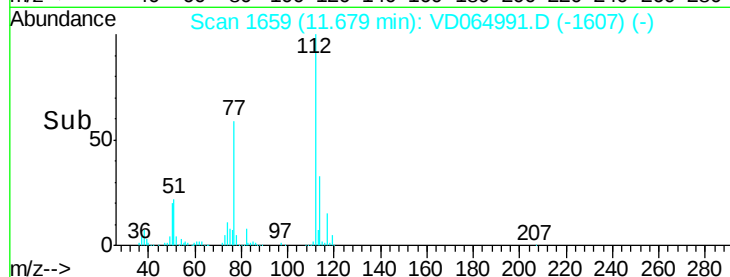
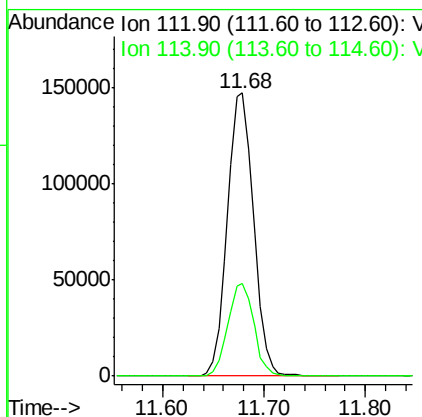
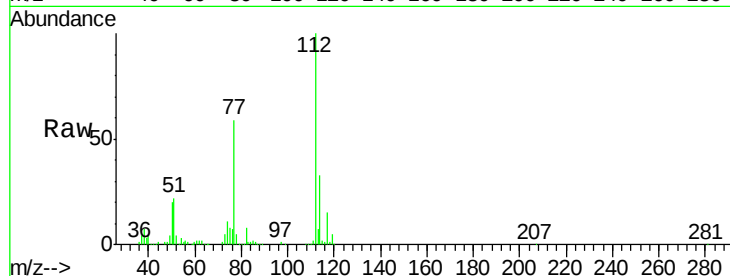
#65
Chlorobenzene
Concen: 21.669 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	26.2	39.4

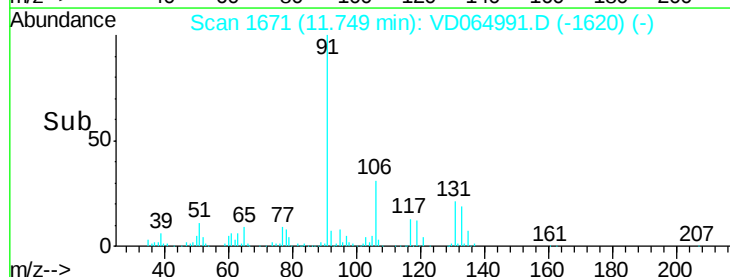
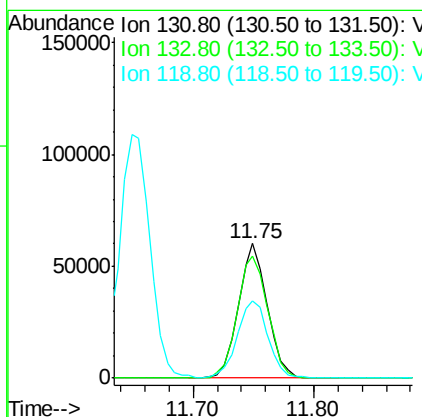
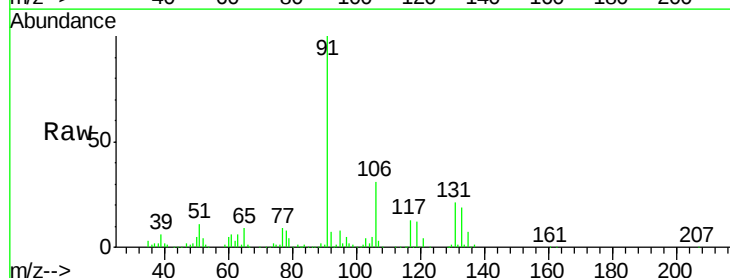
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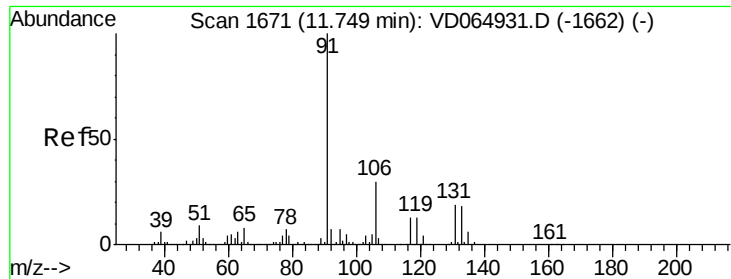
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.638 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.1	47.5	142.5
119	61.9	31.1	93.5





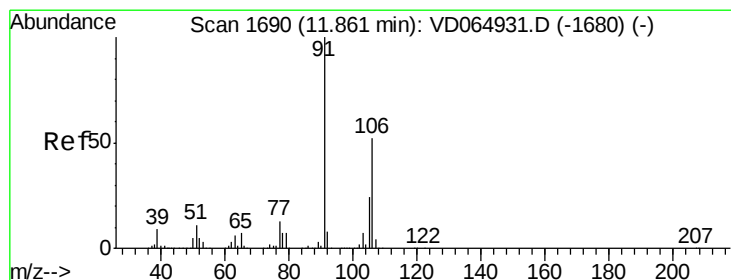
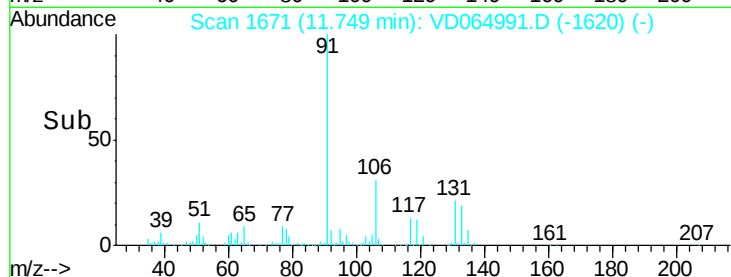
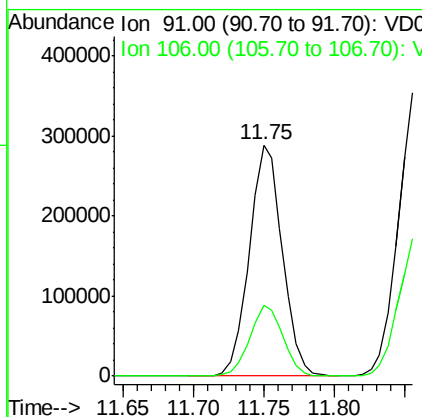
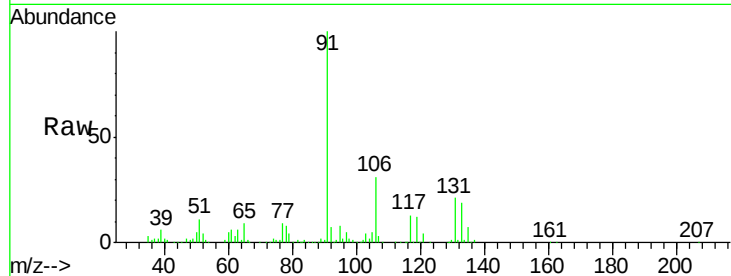
#67
Ethyl Benzene
Concen: 21.915 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		474802		
106	30.9	24.3	36.5		

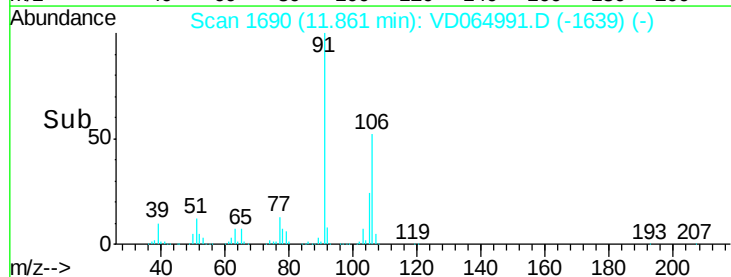
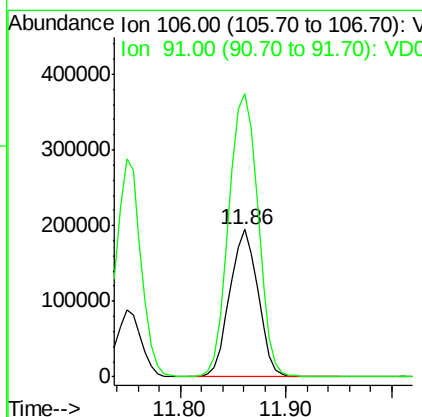
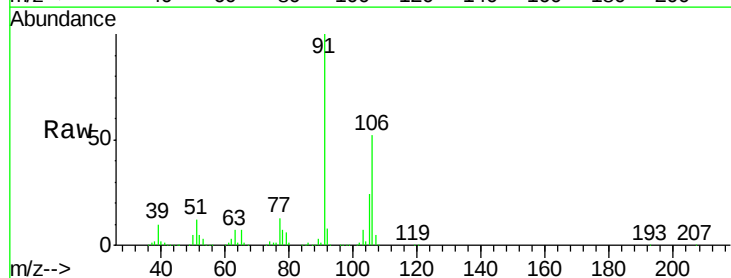
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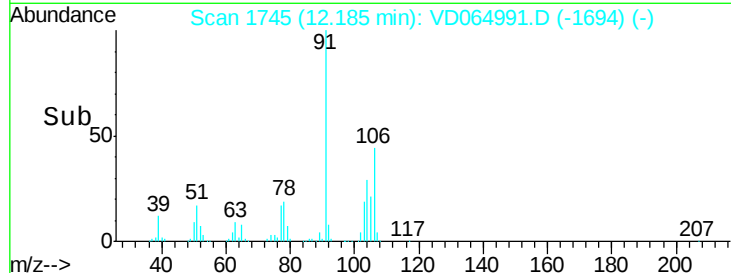
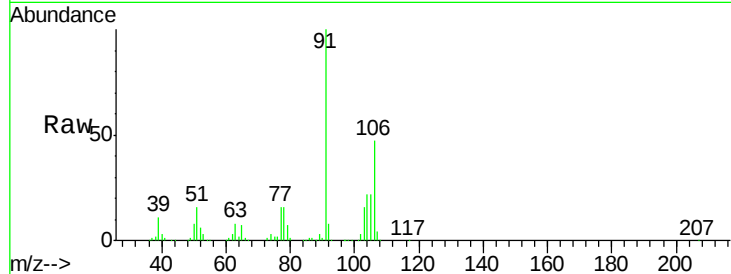
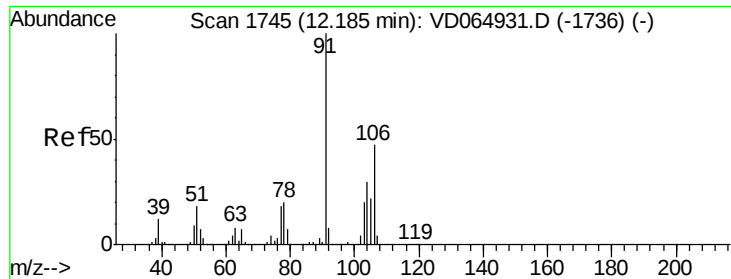
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#68
m/p-Xylenes
Concen: 43.353 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		361645		
91	198.9	159.0	238.4		





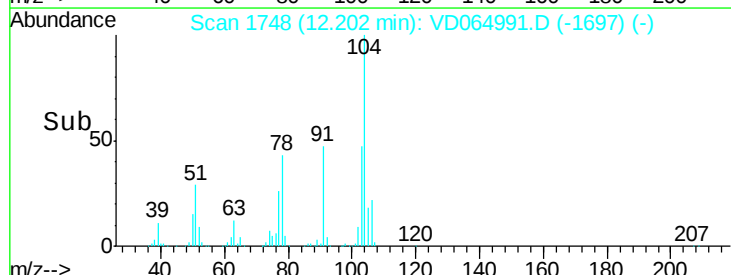
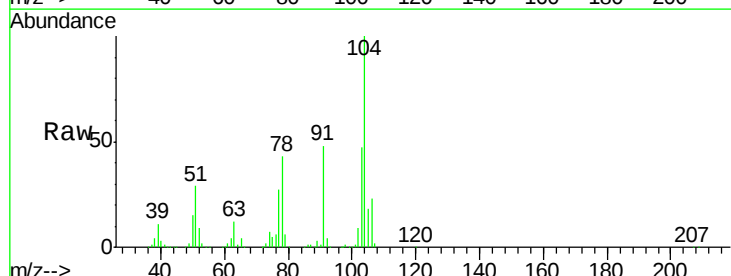
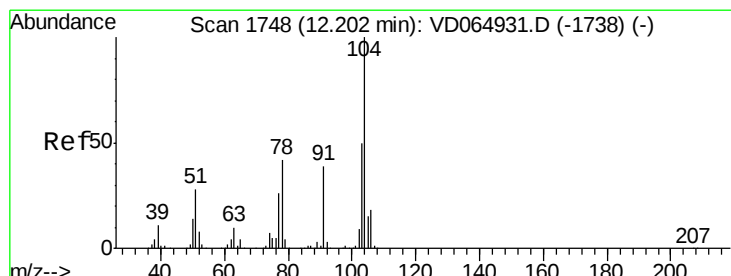
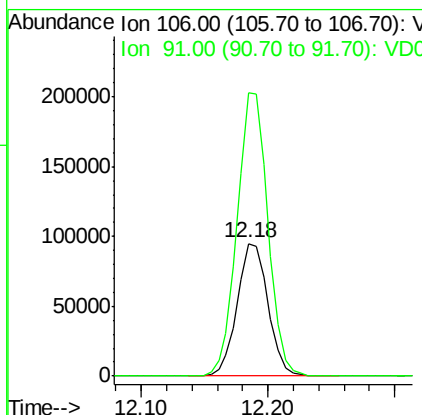
#69
o-Xylene
Concen: 21.538 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tot Ion:106 Resp: 159455
Ion Ratio Lower Upper
106 100
91 214.0 106.7 319.9

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

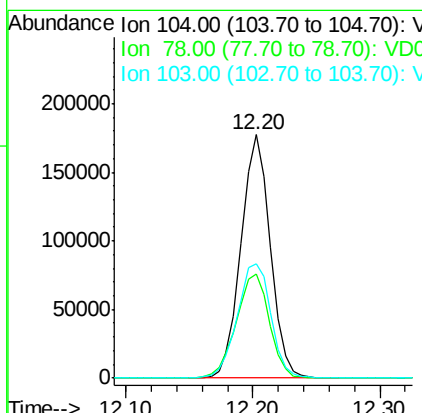
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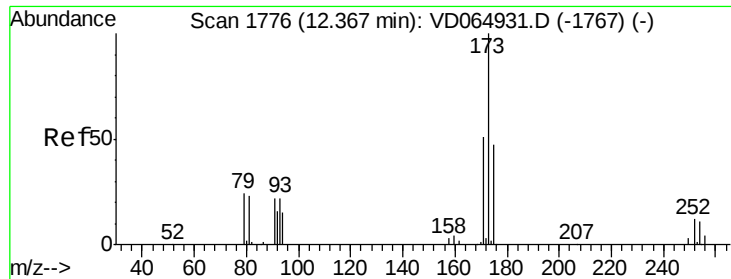
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#70
Styrene
Concen: 21.601 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion:104 Resp: 284884
Ion Ratio Lower Upper
104 100
78 48.1 38.3 57.5
103 54.1 43.5 65.3





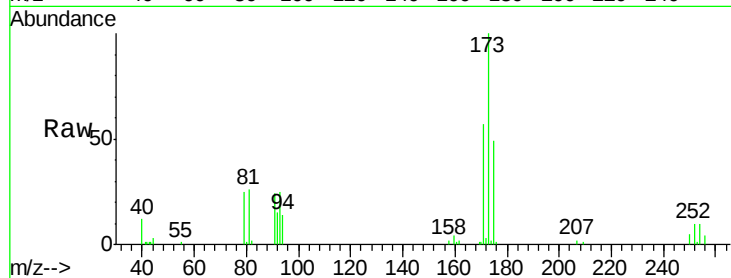
#71
Bromoform
Concen: 20.878 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.6	73.8
254	0.0	0.1	0.1#

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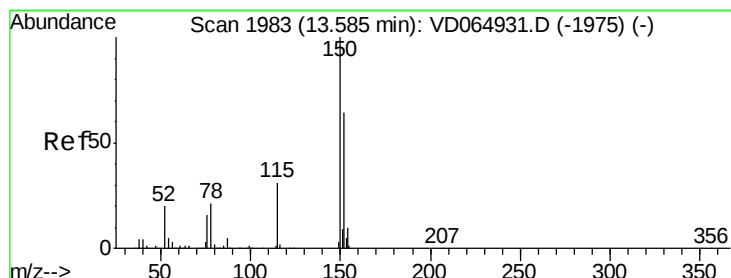
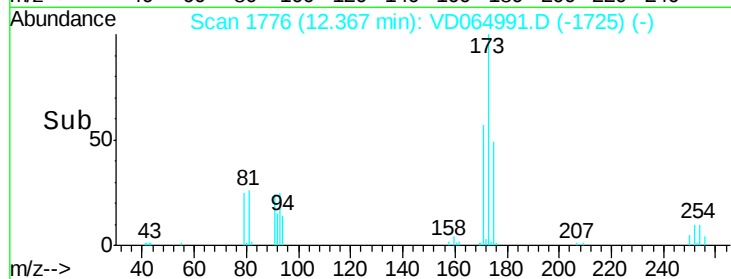
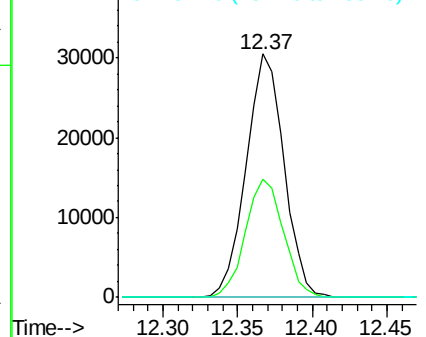


Abundance

Ion 172.70 (172.40 to 173.40): V

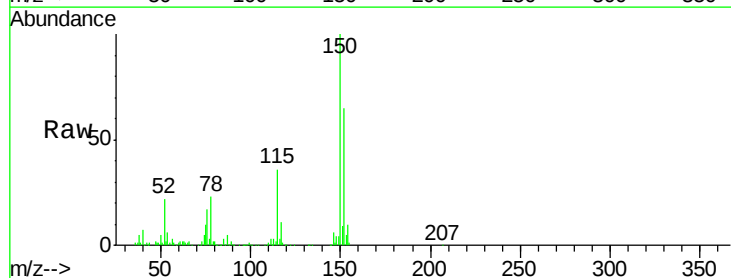
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.1	84.4
150	162.7	0.0	350.4

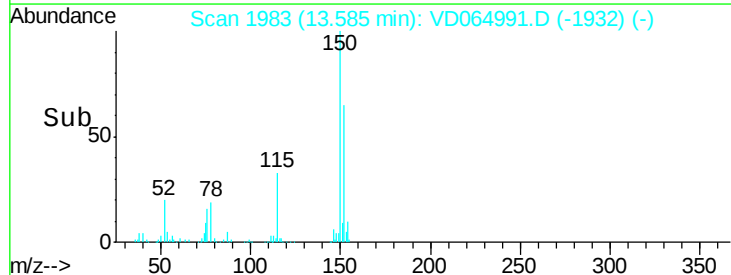
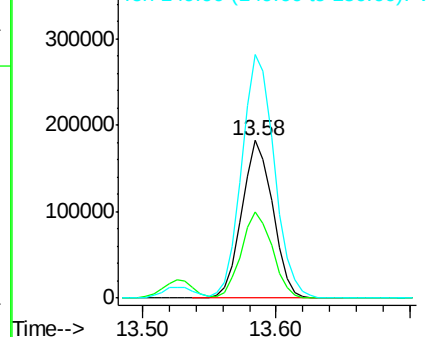


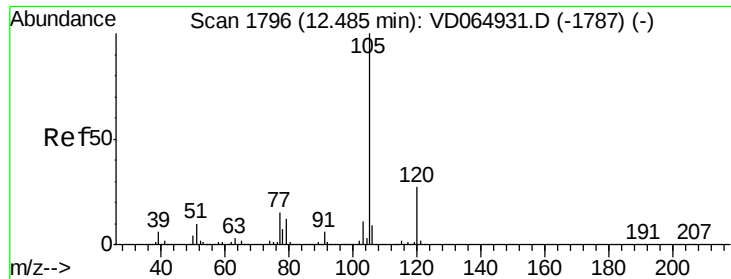
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.060 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion:105 Resp: 441145

Ion Ratio Lower Upper

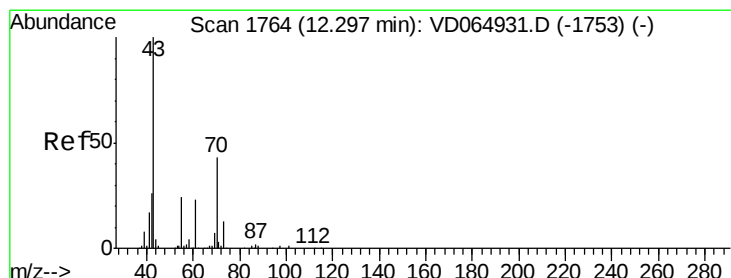
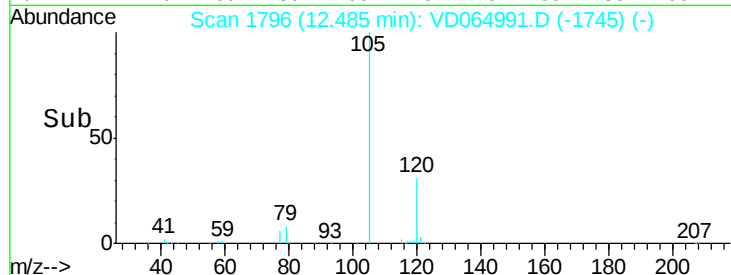
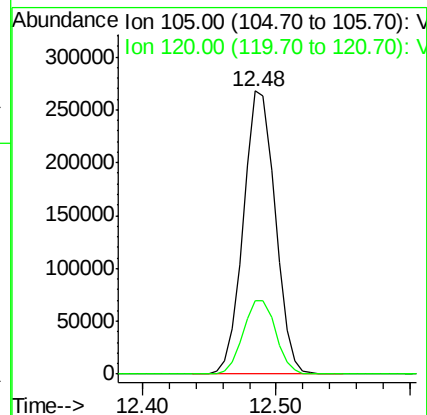
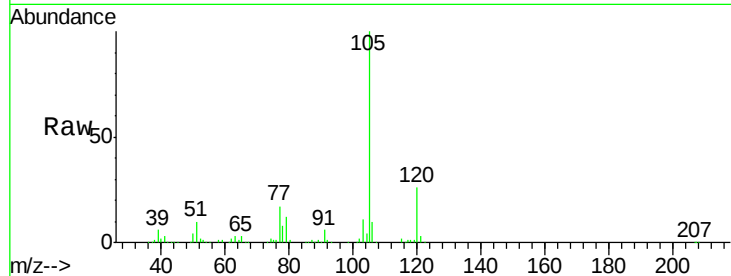
105 100

120 26.7 13.3 39.8

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#74

N-ethyl acetate

Concen: 20.425 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Tgt Ion: 43 Resp: 91396

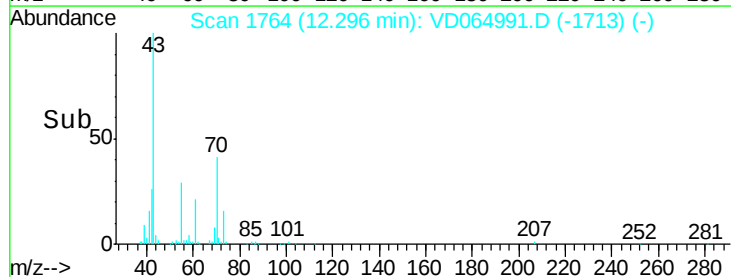
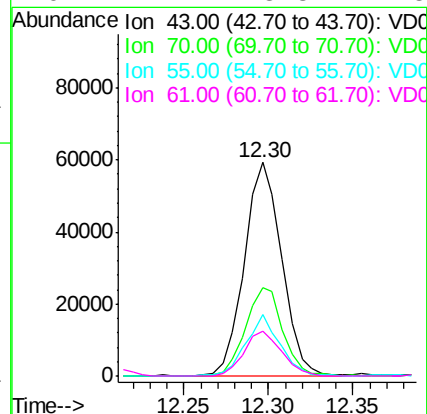
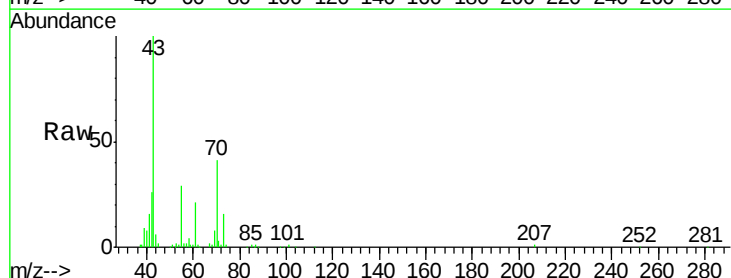
Ion Ratio Lower Upper

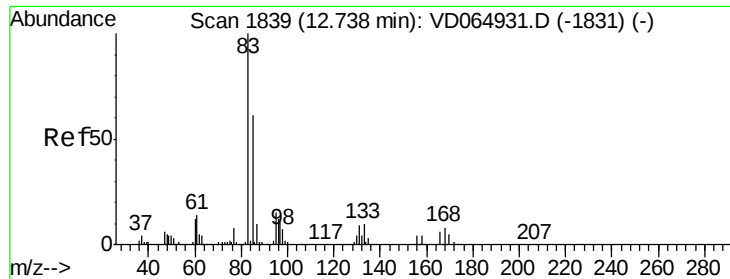
43 100

70 41.4 32.6 49.0

55 26.3 19.9 29.9

61 21.1 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.356 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

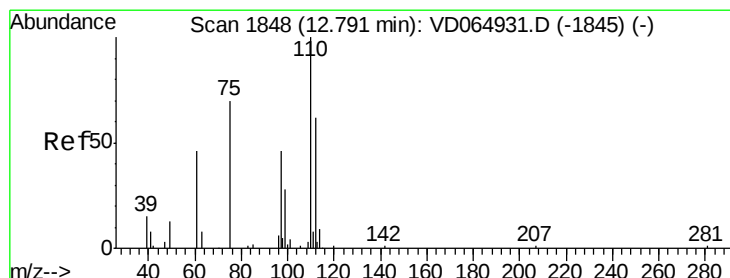
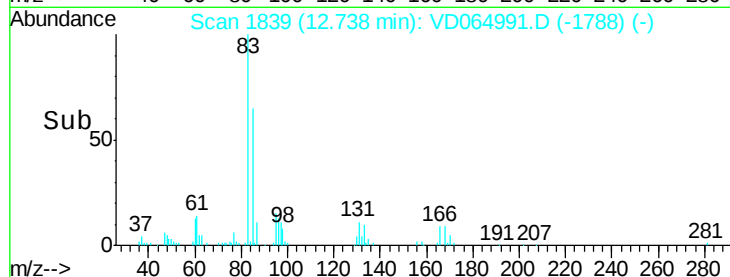
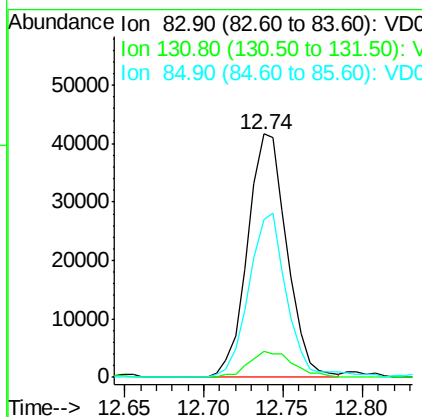
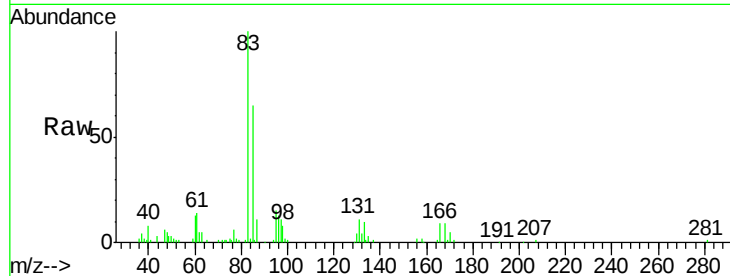
ClientSampleId :

VD0129SBS01

Tot Ion:	83	Resp:	71775
Ion	Ratio	Lower	Upper
83	100		
131	12.0	5.5	16.4
85	65.8	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 25.000 ug/l m

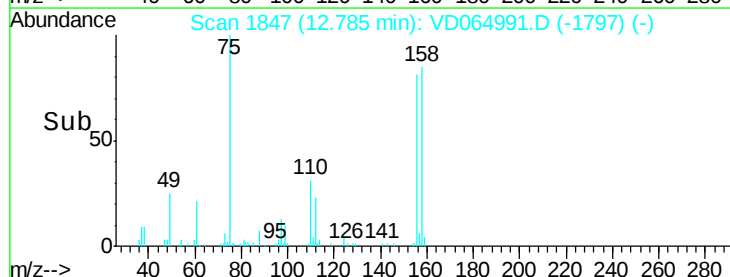
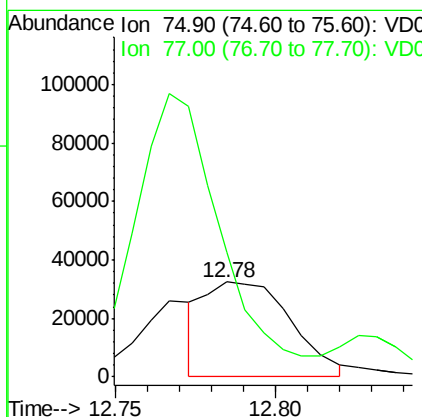
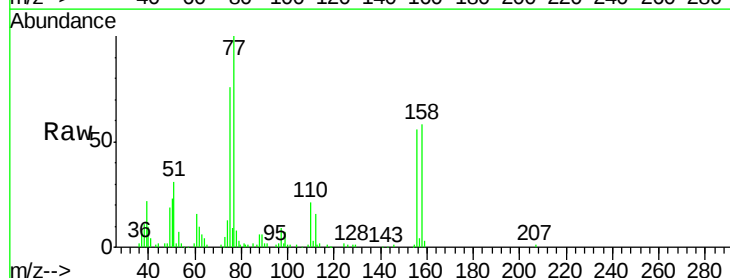
RT: 12.78 min Scan# 1847

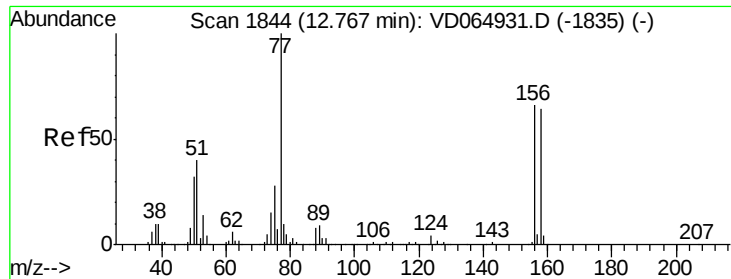
Delta R.T. -0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Tgt Ion:	75	Resp:	60710
Ion	Ratio	Lower	Upper
75	100		
77	298.1	0.0	0.0#





#77

Bromobenzene

Concen: 22.105 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

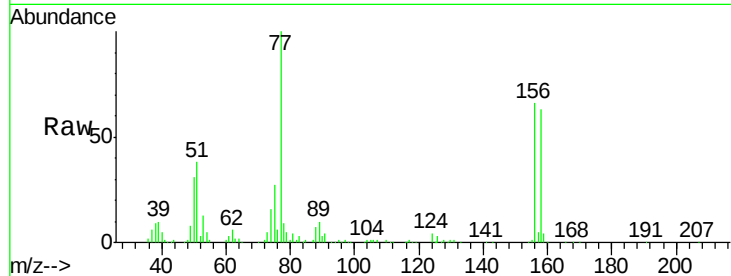
ClientSampleId :

VD0129SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.4	84.2	252.5
158	98.0	48.1	144.4

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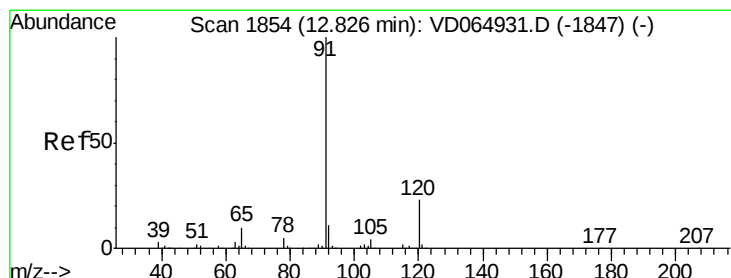
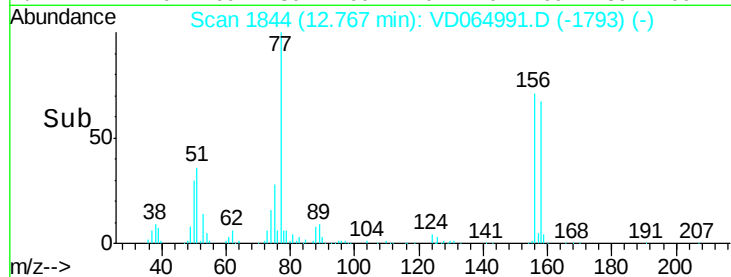
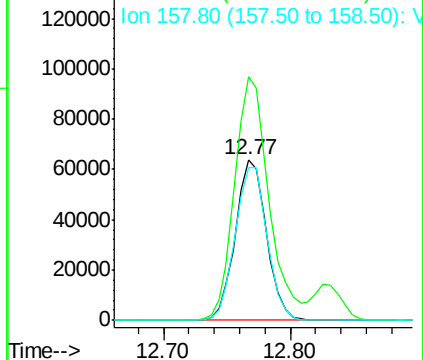
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.069 ug/l

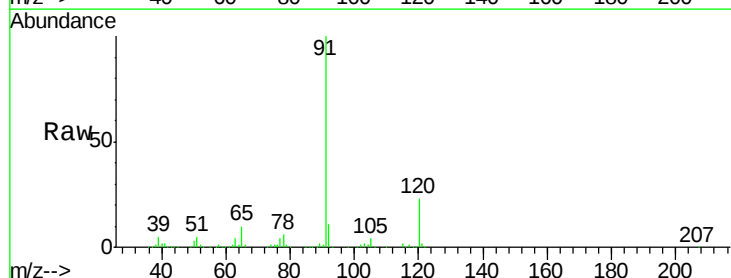
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD064991.D

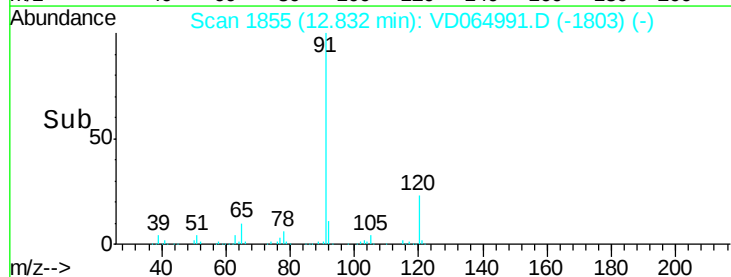
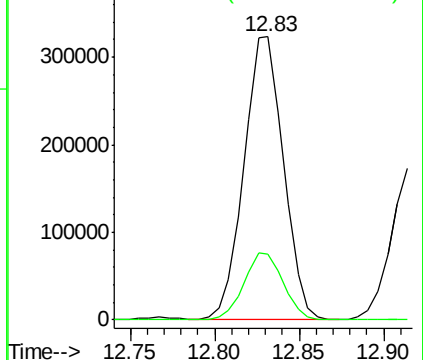
Acq: 29 Jan 2020 12:28

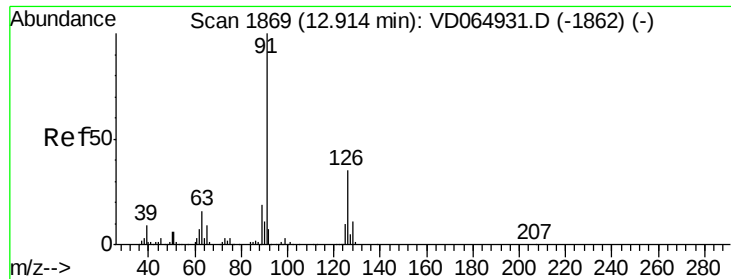
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	11.7	35.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.978 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBSD01

Tot Ion: 91 Resp: 286731

Ion Ratio Lower Upper

91 100

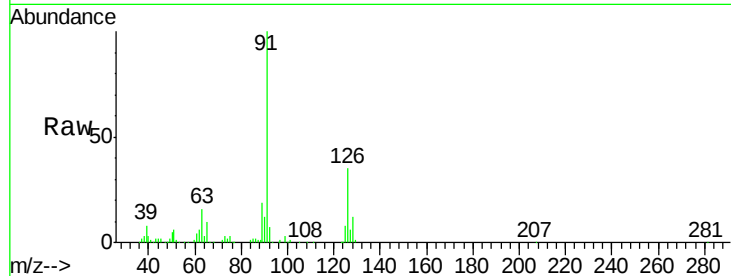
126 35.9 17.9 53.8

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Abundance Ion 91.00 (90.70 to 91.70): VD064991.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD064991.D (-1862) (-)

250000

200000

150000

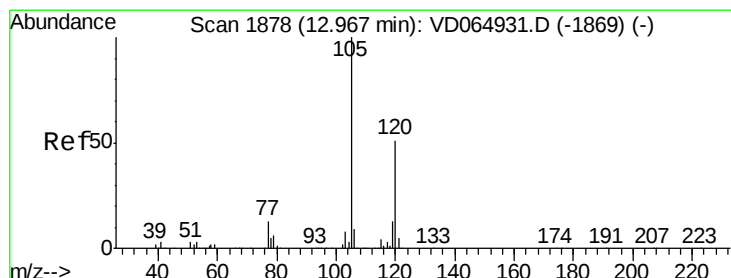
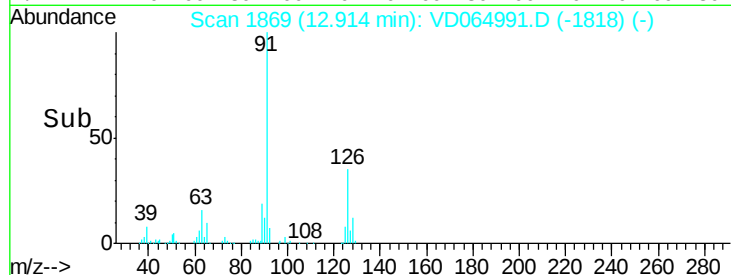
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.273 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064991.D

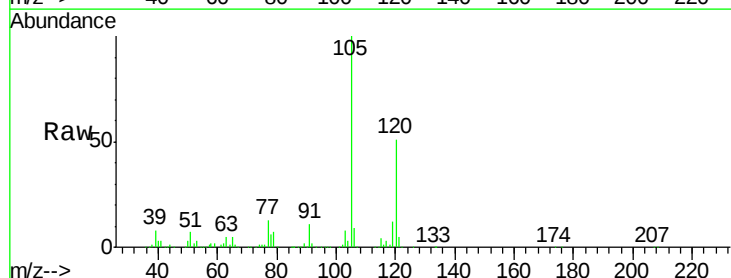
Acq: 29 Jan 2020 12:28

Tgt Ion:105 Resp: 364994

Ion Ratio Lower Upper

105 100

120 50.3 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064991.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD064991.D (-1869) (-)

250000

200000

150000

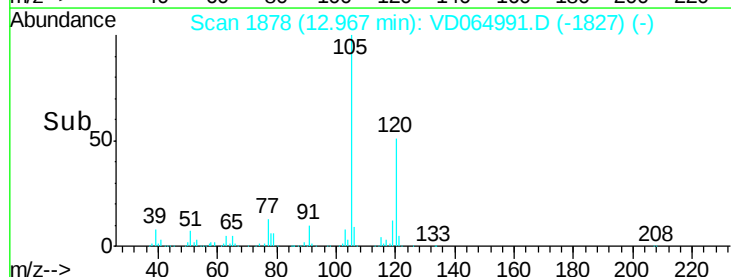
100000

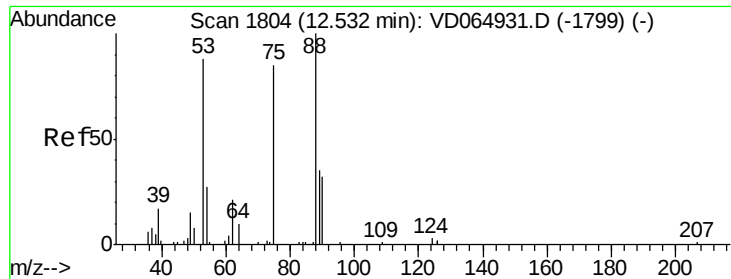
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 20.152 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

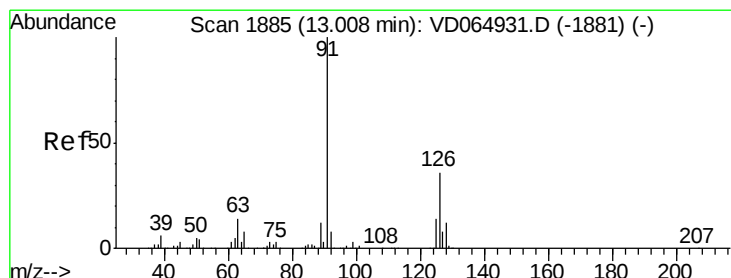
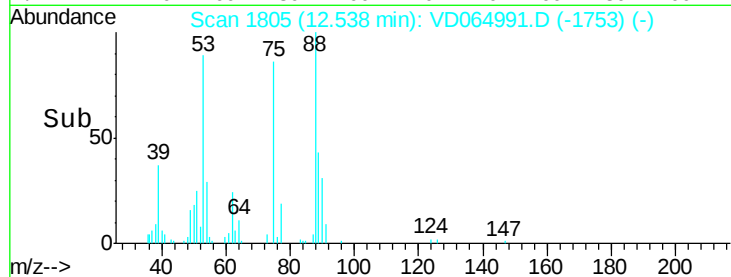
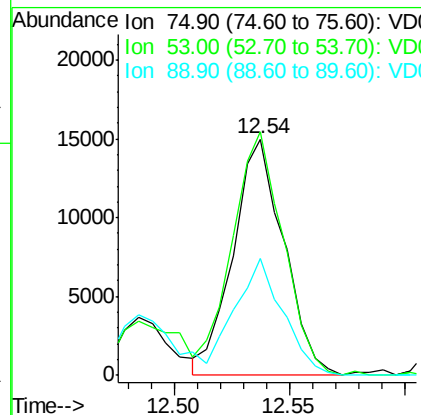
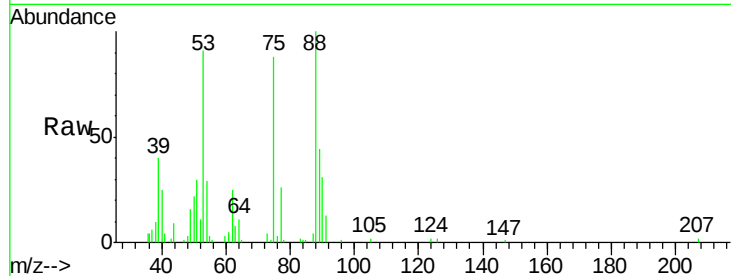
ClientSampleId :

VD0129SBS01

Tot Ion:	75	Resp:	22919
Ion	Ratio	Lower	Upper
75	100		
53	104.0	81.0	121.4
89	47.1	36.2	54.4

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#82

4-Chlorotoluene

Concen: 22.156 ug/l

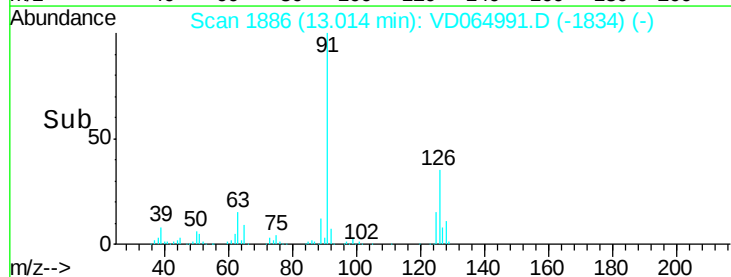
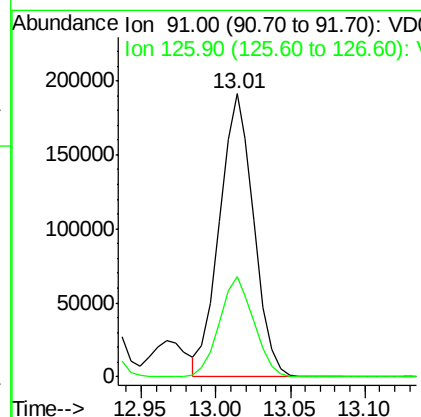
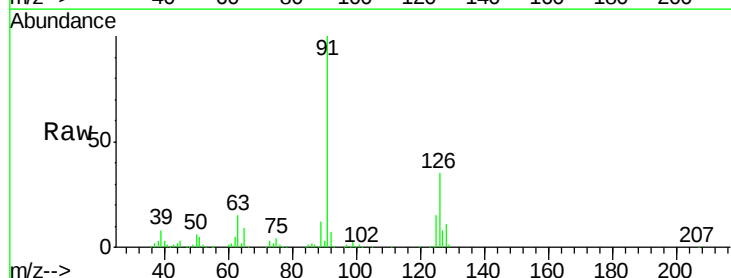
RT: 13.01 min Scan# 1886

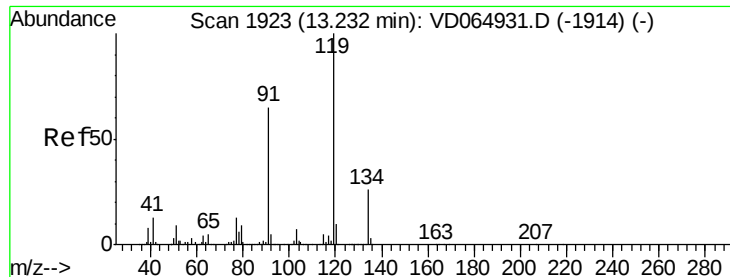
Delta R.T. 0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Tgt Ion:	91	Resp:	306541
Ion	Ratio	Lower	Upper
91	100		
126	35.6	18.0	54.0





#83

tert-Butylbenzene

Concen: 22.138 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

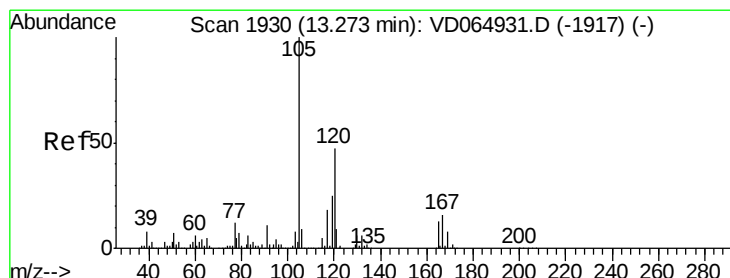
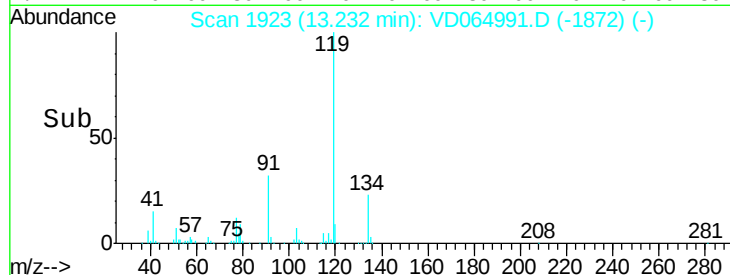
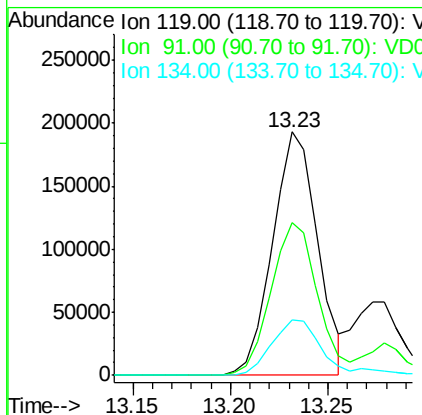
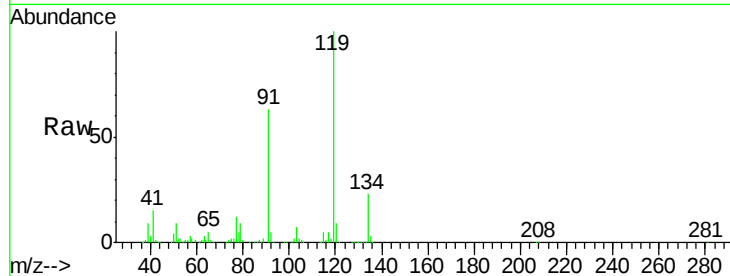
ClientSampleId :

VD0129SBS01

Tot Ion:	119	Resp:	307871
Ion Ratio	Lower	Upper	
119	100		
91	64.7	32.0	96.0
134	26.5	13.9	41.6

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#84

1,2,4-Trimethylbenzene

Concen: 22.324 ug/l

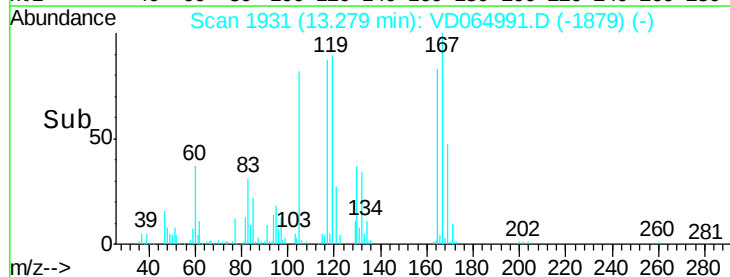
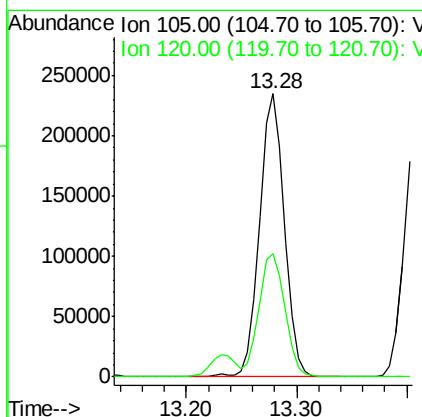
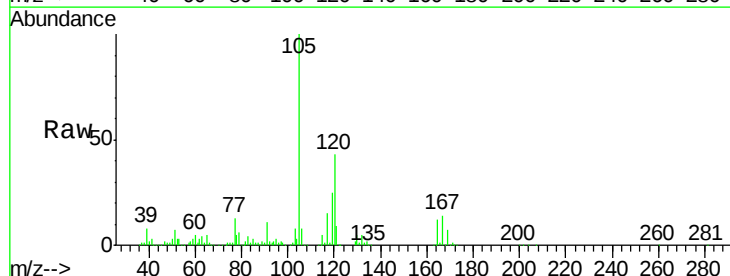
RT: 13.28 min Scan# 1931

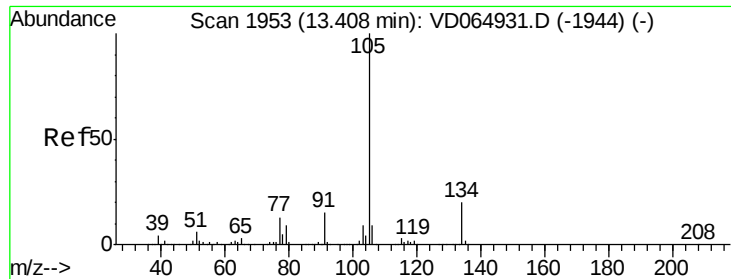
Delta R.T. 0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Tgt Ion:	105	Resp:	370592
Ion Ratio	Lower	Upper	
105	100		
120	45.6	23.1	69.3





#85

sec-Butylbenzene

Concen: 21.852 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion:105 Resp: 430290

Ion Ratio Lower Upper

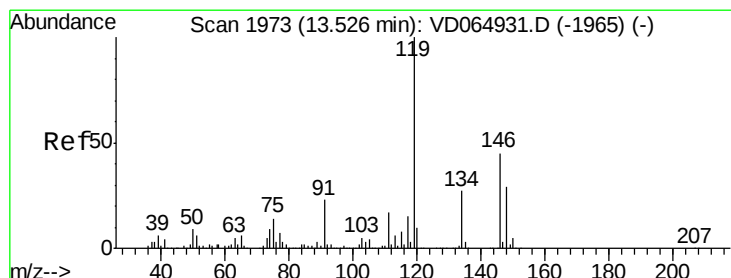
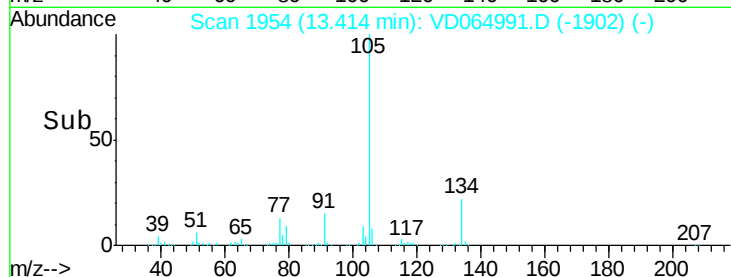
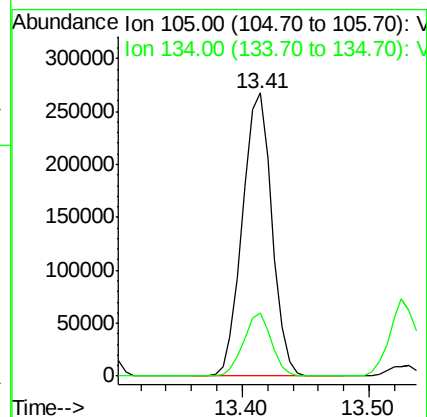
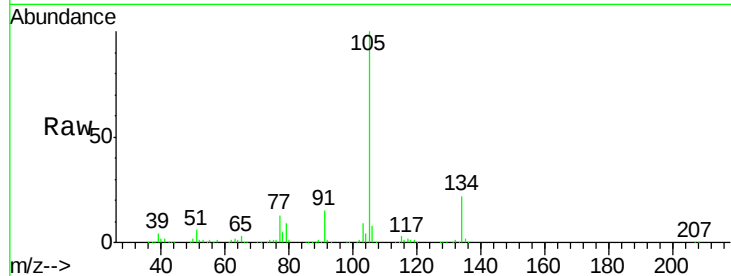
105 100

134 21.2 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 21.801 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064991.D

Acq: 29 Jan 2020 12:28

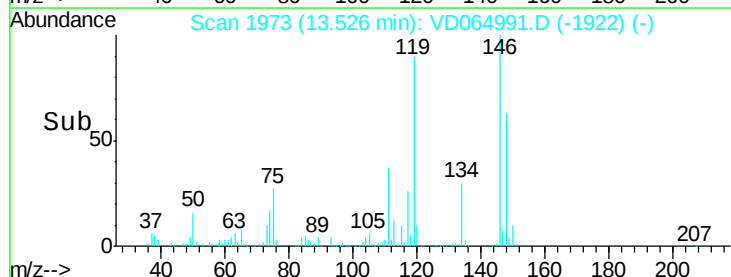
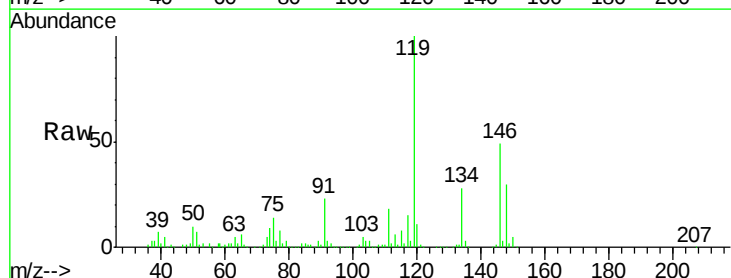
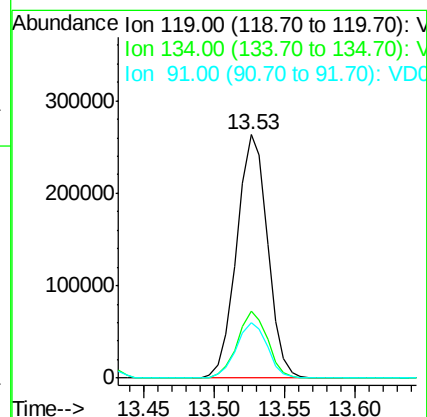
Tgt Ion:119 Resp: 401708

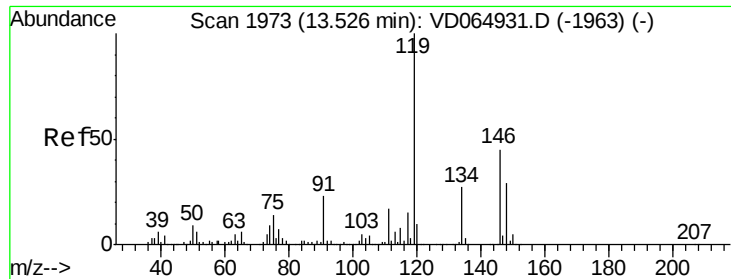
Ion Ratio Lower Upper

119 100

134 27.0 13.3 39.9

91 22.6 11.4 34.2





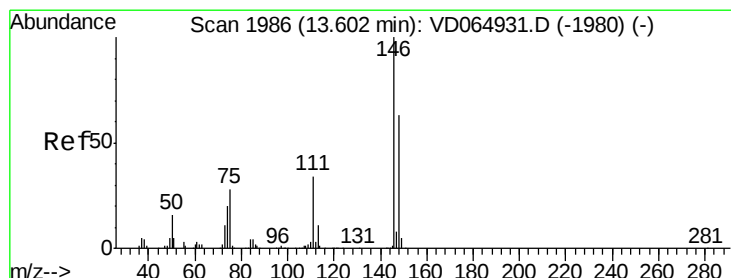
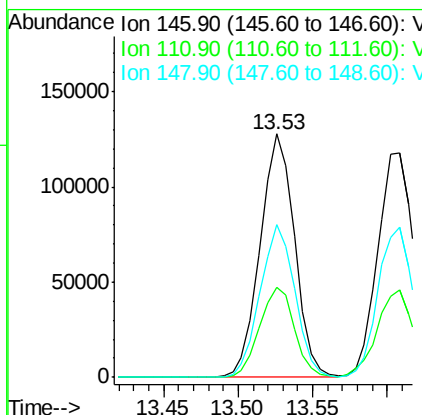
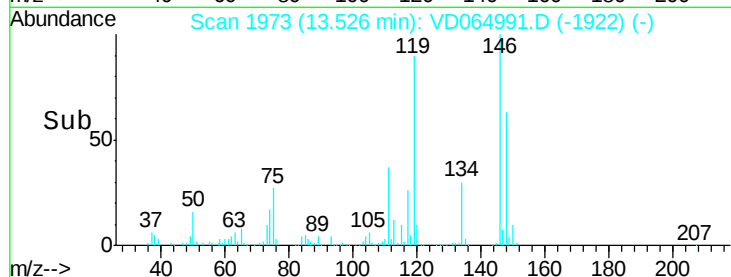
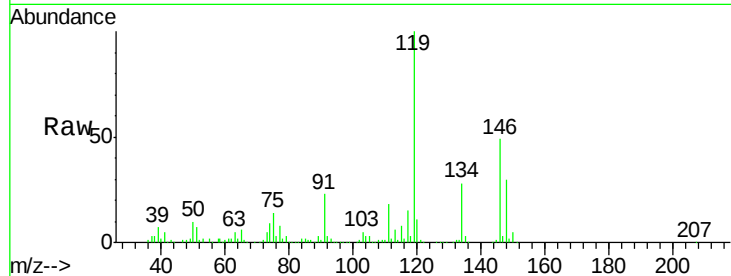
#87
 1,3-Dichlorobenzene
 Concen: 21.699 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	203706		
111	37.7	18.9	56.9	
148	63.3	32.6	97.7	

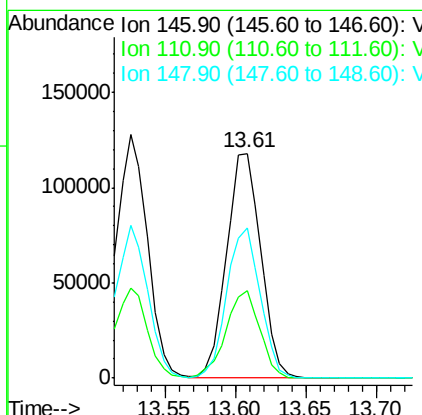
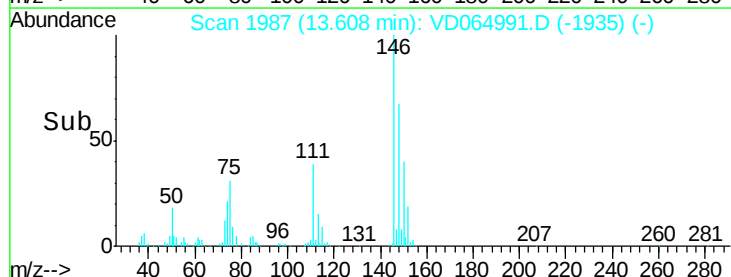
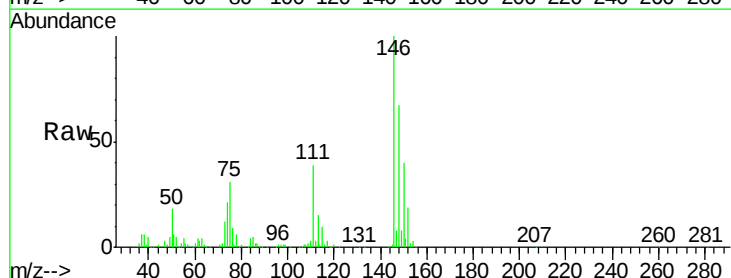
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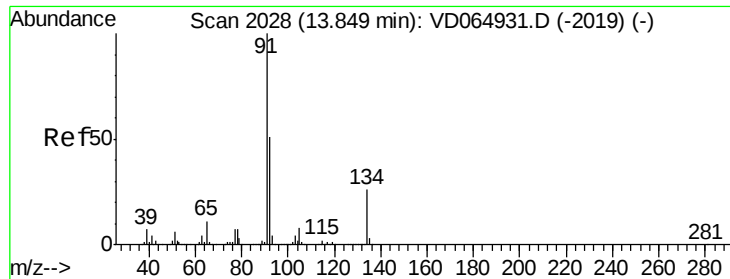
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#88
 1,4-Dichlorobenzene
 Concen: 21.453 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	199891		
111	38.7	18.2	54.6	
148	65.3	32.0	96.0	





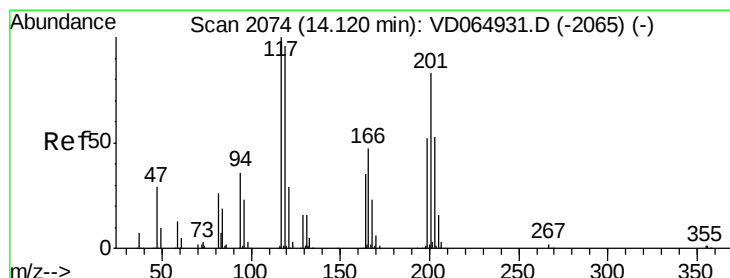
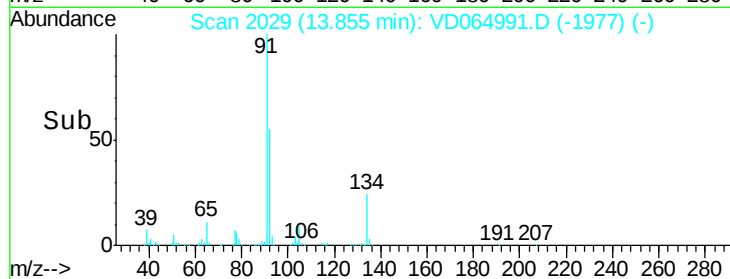
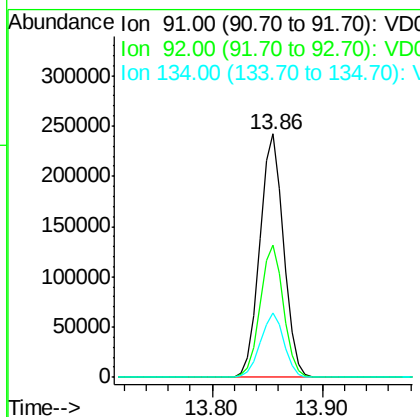
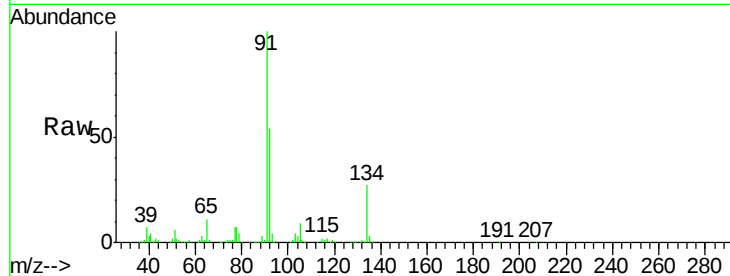
#89
n-Butylbenzene
Concen: 21.767 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.4	79.0
134	26.1	13.3	39.9

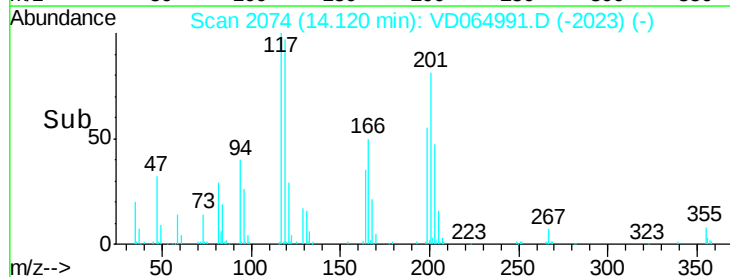
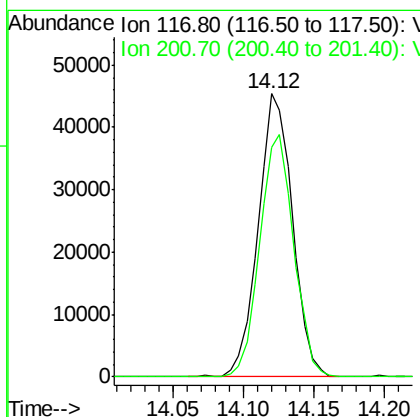
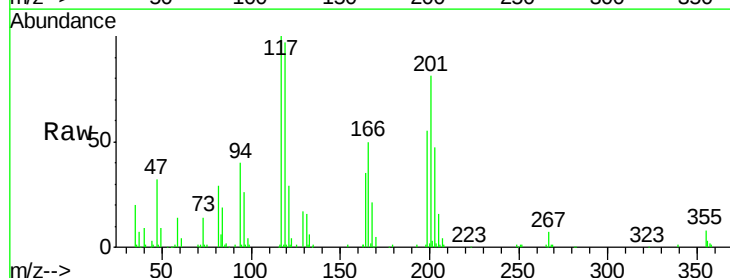
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#90
Hexachloroethane
Concen: 21.770 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.8	41.1	123.3





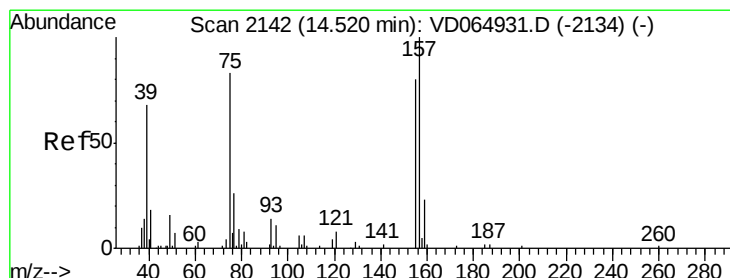
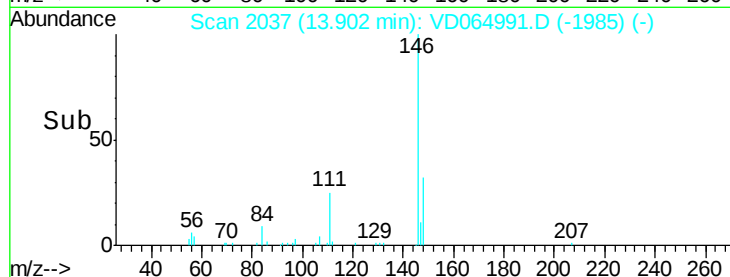
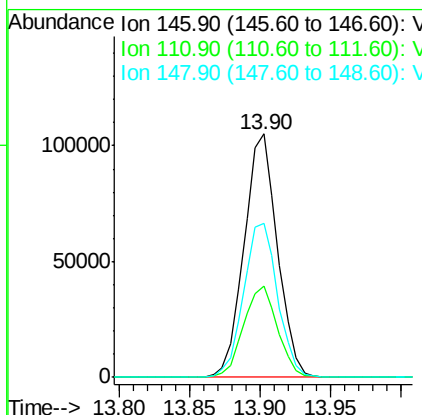
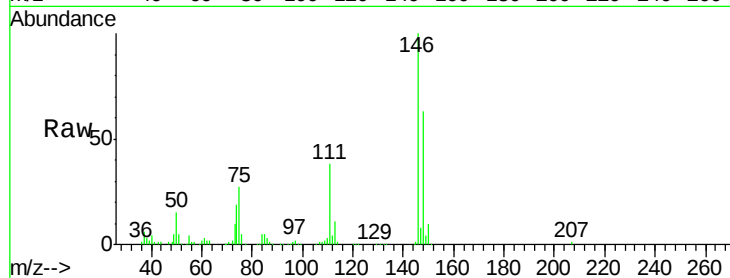
#91
 1,2-Dichlorobenzene
 Concen: 21.804 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	19.4	58.2
148	64.6	31.6	95.0

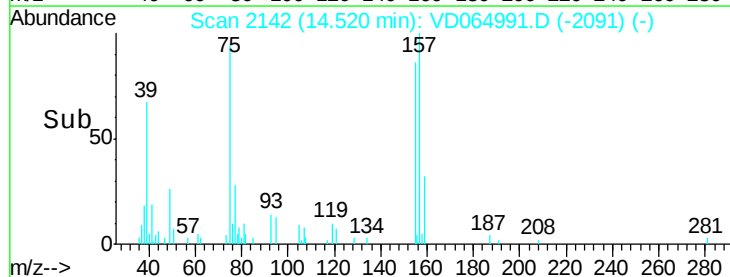
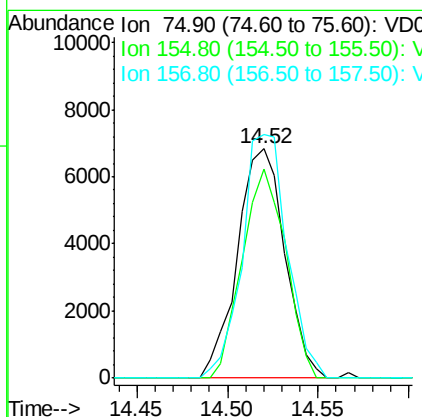
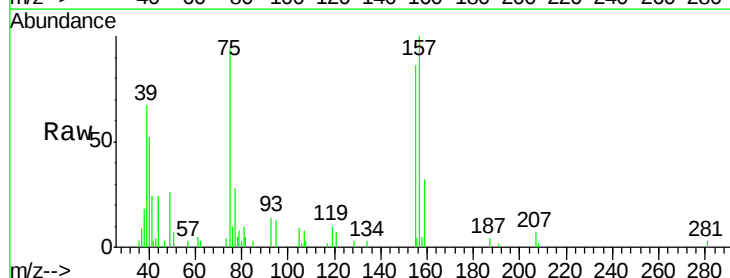
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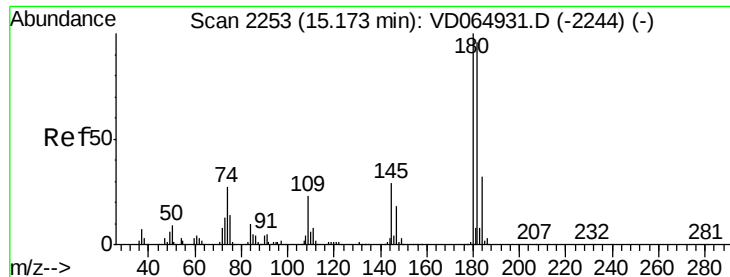
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.094 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	44.9	134.7
157	101.1	58.9	176.6





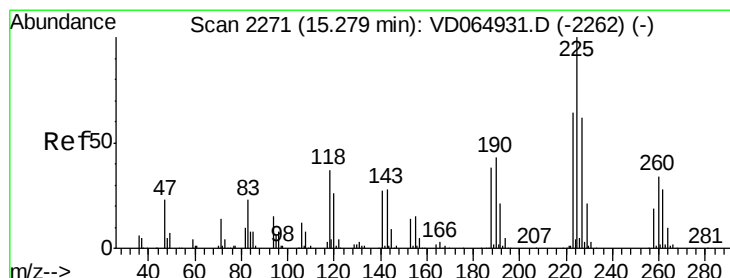
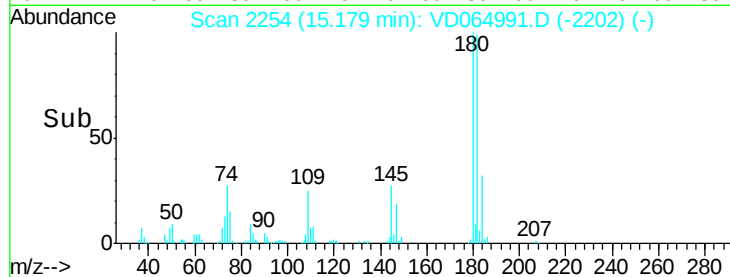
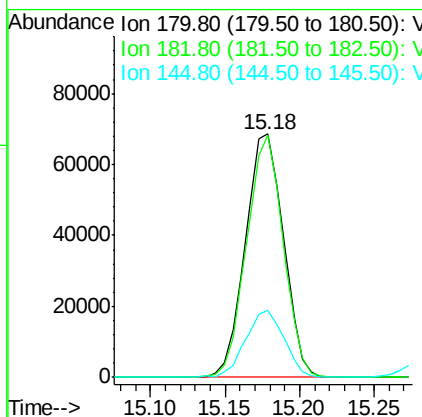
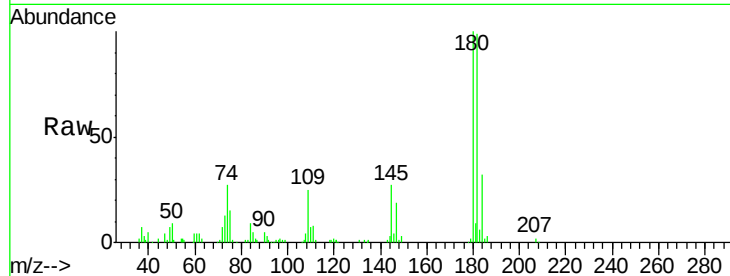
#93
 1,2,4-Trichlorobenzene
 Concen: 22.054 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	121601		
182	94.9	47.1	141.4	
145	27.6	14.1	42.3	

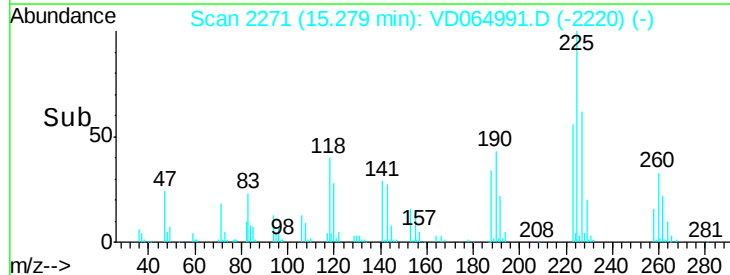
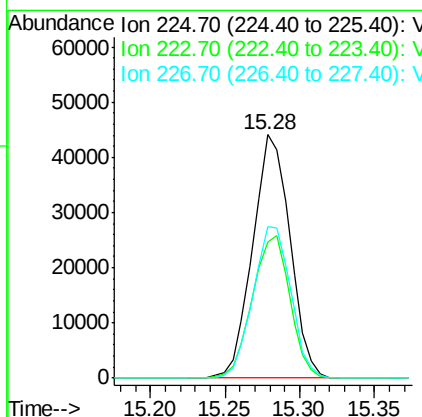
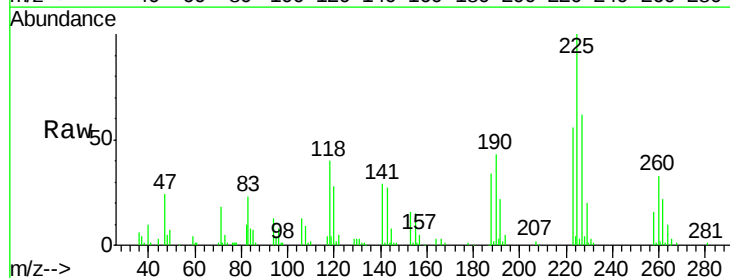
Manual Integrations
 APPROVED

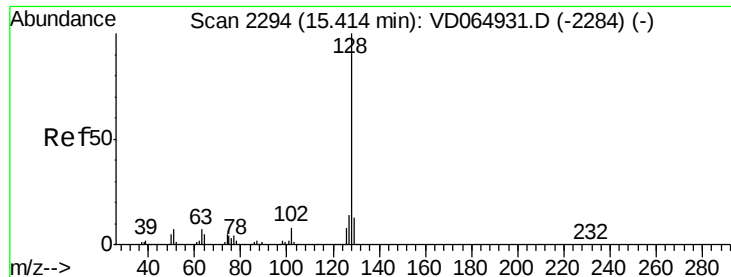
MMDadoda
 1/30/2020 10:27:13 AM



#94
 Hexachlorobutadiene
 Concen: 21.890 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064991.D
 Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	76343		
223	58.8	32.4	97.2	
227	63.0	31.9	95.9	





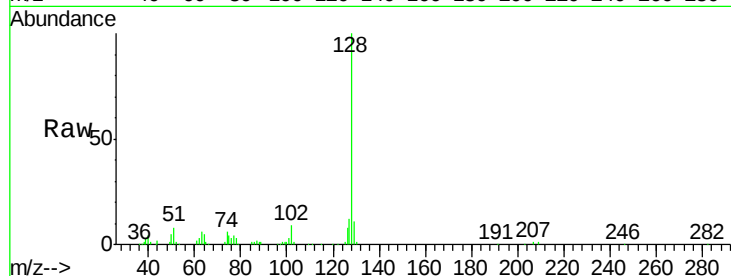
#95
Naphthalene
Concen: 20.911 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

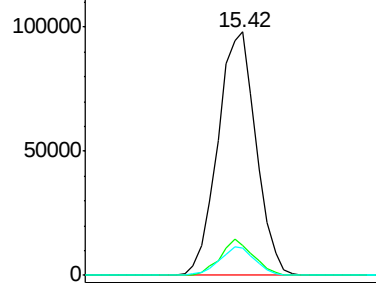
Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.6	15.8
129	10.9	9.3	13.9

Manual Integrations
APPROVED

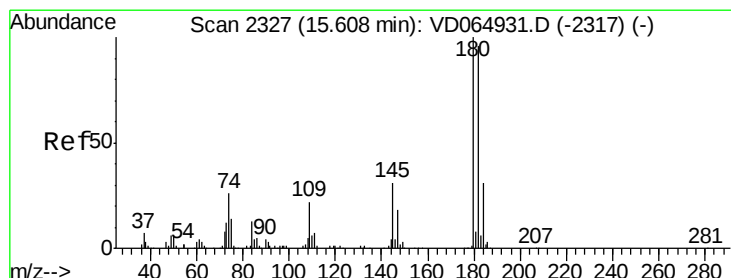
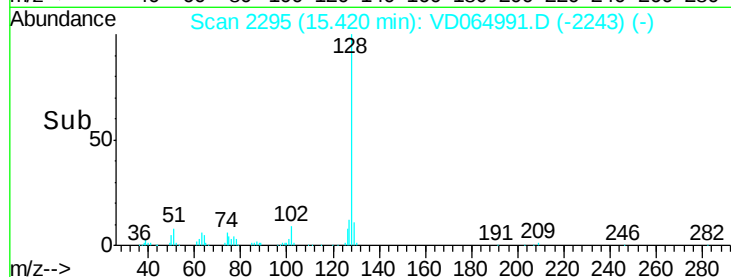
MMDadoda
1/30/2020 10:27:13 AM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V

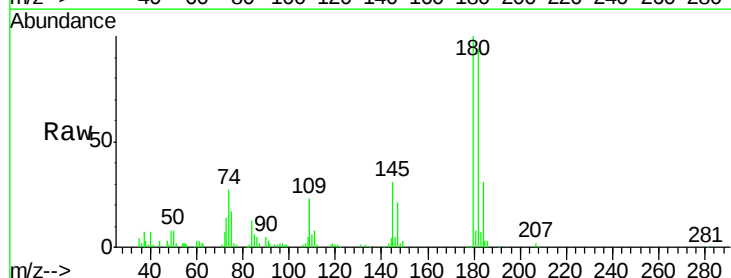


Time-->

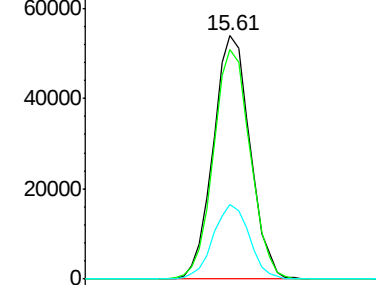


#96
1,2,3-Trichlorobenzene
Concen: 21.436 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064991.D
Acq: 29 Jan 2020 12:28

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.8
145	30.2	14.6	43.8



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V



Time-->

