

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012920\
 Data File : VD064990.D
 Acq On : 29 Jan 2020 12:00
 Operator : VA/SY
 Sample : VD0129SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/30/2020 10:27:09 AM

Quant Time: Jan 29 15:49:26 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	491971	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	721226	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	636228	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311347	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	222701	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.92	113	219427	48.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.82%	
50) Toluene-d8	10.34	98	849478	48.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.12%	
62) 4-Bromofluorobenzene	12.64	95	262842	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	73305	19.779	ug/l	98
3) Chloromethane	2.21	50	113343	20.866	ug/l	95
4) Vinyl Chloride	2.36	62	125418	20.103	ug/l	98
5) Bromomethane	2.76	94	83904	19.993	ug/l	94
6) Chloroethane	2.93	64	82230	19.992	ug/l	99
7) Trichlorofluoromethane	3.27	101	195946	20.336	ug/l	97
8) Diethyl Ether	3.71	74	41824	19.228	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	95273	21.253	ug/l	99
10) Methyl Iodide	4.30	142	87662	18.423	ug/l	99
11) Tert butyl alcohol	5.24	59	24217	92.864	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	88925	20.765	ug/l	95
13) Acrolein	3.93	56	25277	77.320	ug/l	94
14) Allyl chloride	4.71	41	145352	21.281	ug/l	98
15) Acrylonitrile	5.43	53	90873	96.475	ug/l	99
16) Acetone	4.16	43	92260	82.906	ug/l	94
17) Carbon Disulfide	4.40	76	287298	20.384	ug/l	96
18) Methyl Acetate	4.73	43	44236	20.015	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	188233	19.672	ug/l	100
20) Methylene Chloride	4.96	84	126460	24.264	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	101595	20.591	ug/l	96
22) Diisopropyl ether	6.36	45	275394	20.232	ug/l	95
23) Vinyl Acetate	6.31	43	756739	94.953	ug/l	99
24) 1,1-Dichloroethane	6.27	63	172893	20.687	ug/l	98
25) 2-Butanone	7.22	43	114695	89.962	ug/l	97
26) 2,2-Dichloropropane	7.21	77	160275	21.142	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	107518	20.416	ug/l	99
28) Bromochloromethane	7.55	49	56901	17.024	ug/l	99
29) Tetrahydrofuran	7.57	42	71733	91.190	ug/l	96
30) Chloroform	7.71	83	177880	20.589	ug/l	100
31) Cyclohexane	7.98	56	165044	20.074	ug/l	95
32) 1,1,1-Trichloroethane	7.91	97	166232	20.683	ug/l	98
36) 1,1-Dichloropropene	8.11	75	144958	20.843	ug/l	98
37) Ethyl Acetate	7.30	43	52571	18.300	ug/l	97
38) Carbon Tetrachloride	8.10	117	152287	20.717	ug/l	96

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	164556	20.239	ug/l	92
40) Benzene	8.36	78	388713	20.294	ug/l	98
41) Methacrylonitrile	7.53	41	25691	16.602	ug/l #	53
42) 1,2-Dichloroethane	8.43	62	111456	19.534	ug/l	98
43) Isopropyl Acetate	8.46	43	101428	18.588	ug/l	99
44) Trichloroethene	9.11	130	110549	20.622	ug/l	94
45) 1,2-Dichloropropane	9.39	63	95375	20.540	ug/l	96
46) Dibromomethane	9.48	93	48969	19.316	ug/l	98
47) Bromodichloromethane	9.67	83	134762	20.429	ug/l	99
48) Methyl methacrylate	9.46	41	49068	19.540	ug/l	99
49) 1,4-Dioxane	9.47	88	10413	354.164	ug/l #	81
51) 4-Methyl-2-Pentanone	10.23	43	255152	93.450	ug/l	100
52) Toluene	10.41	92	248357	20.111	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	124536	19.819	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	147977	20.114	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	68924	20.184	ug/l	96
56) Ethyl methacrylate	10.67	69	77478	18.974	ug/l	99
57) 1,3-Dichloropropane	10.95	76	116350	19.865	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	127302	93.837	ug/l	97
59) 2-Hexanone	10.99	43	172057	91.358	ug/l	100
60) Dibromochloromethane	11.14	129	91793	20.112	ug/l	98
61) 1,2-Dibromoethane	11.25	107	64649	19.662	ug/l	100
64) Tetrachloroethene	10.88	164	93728	20.386	ug/l	98
65) Chlorobenzene	11.67	112	266188	20.606	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	96002	19.761	ug/l	96
67) Ethyl Benzene	11.75	91	465661	20.305	ug/l	97
68) m/p-Xylenes	11.86	106	363130	41.125	ug/l	98
69) o-Xylene	12.18	106	158402	20.213	ug/l	98
70) Styrene	12.20	104	282073	20.206	ug/l	98
71) Bromoform	12.37	173	53668	19.873	ug/l #	99
73) Isopropylbenzene	12.49	105	443699	20.850	ug/l	99
74) N-amyl acetate	12.30	43	87239	18.320	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70149	19.613	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	50458m	19.525	ug/l	
77) Bromobenzene	12.77	156	106708	20.494	ug/l	100
78) n-propylbenzene	12.83	91	533445	21.079	ug/l	99
79) 2-Chlorotoluene	12.91	91	294146	21.187	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	368303	21.119	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22003	18.180	ug/l	96
82) 4-Chlorotoluene	13.01	91	312154	21.201	ug/l	98
83) tert-Butylbenzene	13.23	119	303449	20.504	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	360849	20.426	ug/l	98
85) sec-Butylbenzene	13.41	105	435751	20.795	ug/l	99
86) p-Isopropyltoluene	13.53	119	399708	20.385	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	202765	20.296	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	202081	20.381	ug/l	100
89) n-Butylbenzene	13.86	91	367068	20.513	ug/l	100
90) Hexachloroethane	14.12	117	78803	20.840	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	171083	20.172	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	10287	17.973	ug/l	96

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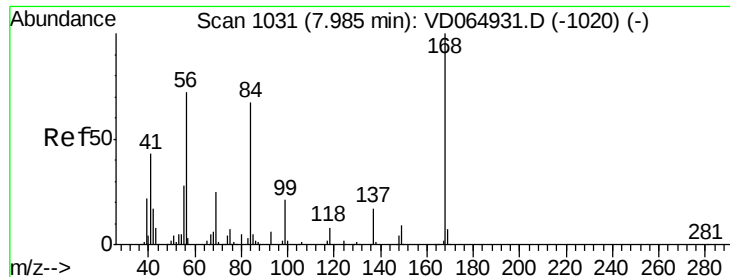
Manual Integrations
APPROVED

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
Quant Title : SW846 8260
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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	118794	20.246	ug/l	98
94) Hexachlorobutadiene	15.28	225	73521	19.810	ug/l	98
95) Naphthalene	15.41	128	176869	18.678	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	100249	19.705	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion:168 Resp: 491971

Ion Ratio Lower Upper

168 100

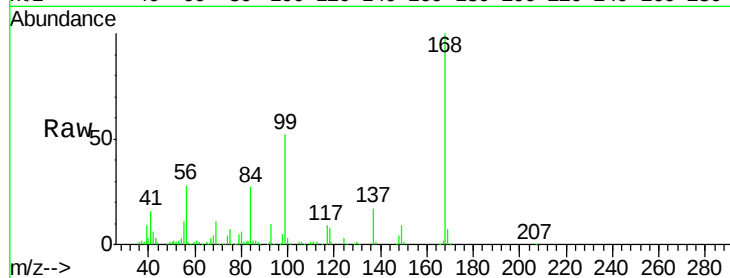
99 52.2 43.3 64.9

Manual Integrations

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1/30/2020 10:27:09 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

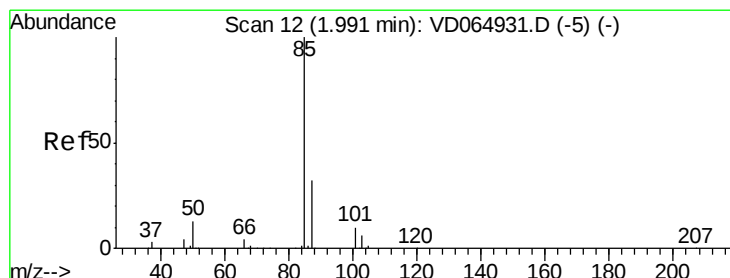
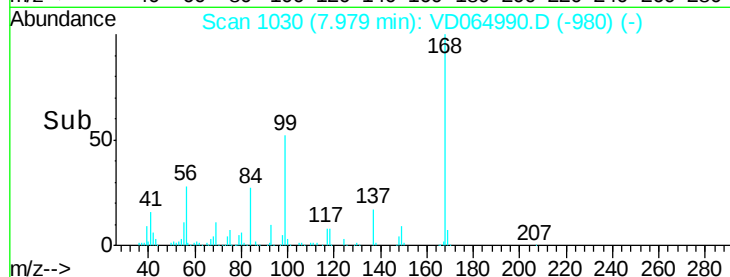
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.779 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD064990.D

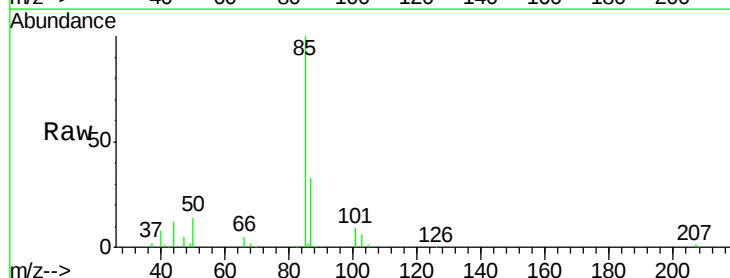
Acq: 29 Jan 2020 12:00

Tgt Ion: 85 Resp: 73305

Ion Ratio Lower Upper

85 100

87 32.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

50000

40000

30000

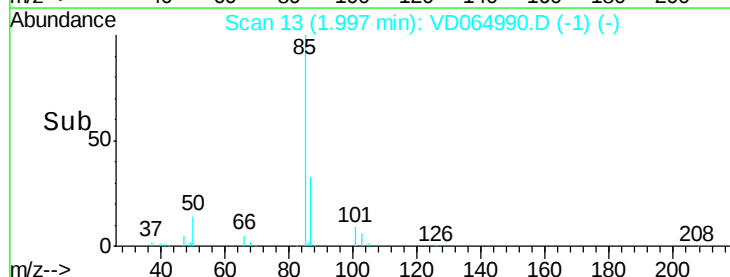
20000

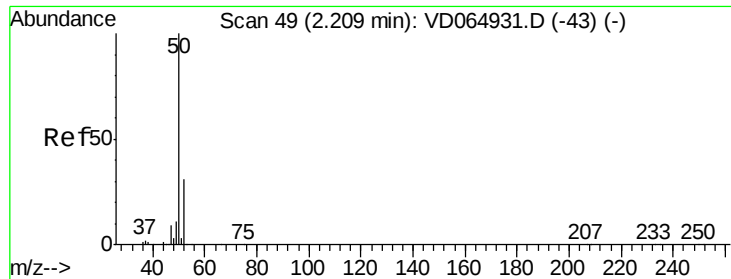
10000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.866 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 50 Resp: 113343

Ion Ratio Lower Upper

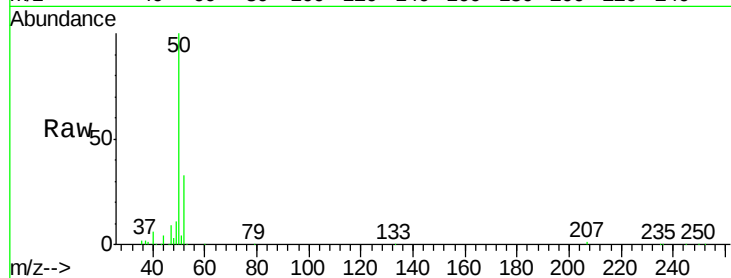
50 100

52 33.2 24.6 36.8

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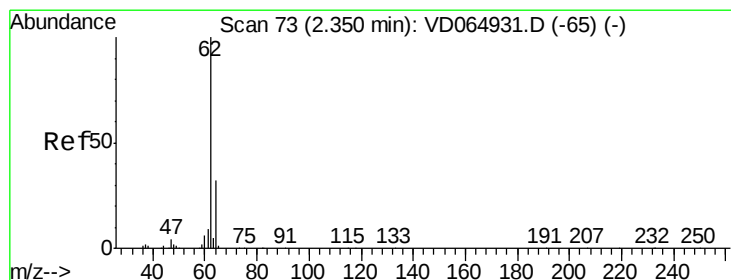
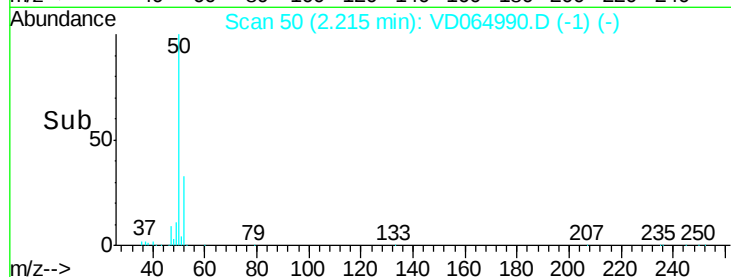
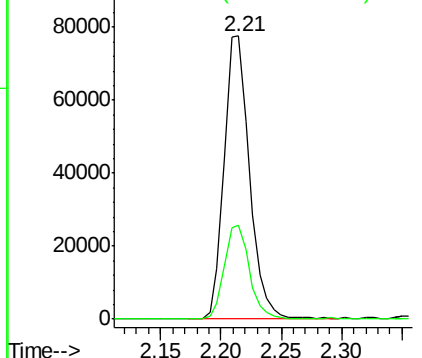
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.103 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064990.D

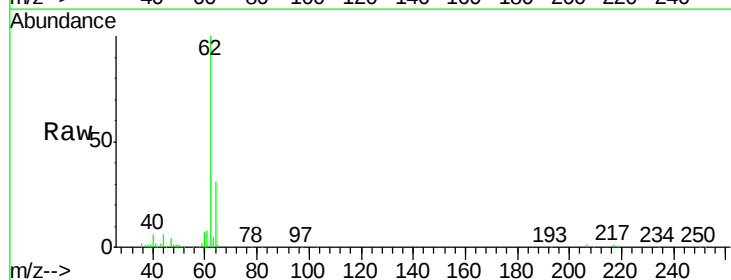
Acq: 29 Jan 2020 12:00

Tgt Ion: 62 Resp: 125418

Ion Ratio Lower Upper

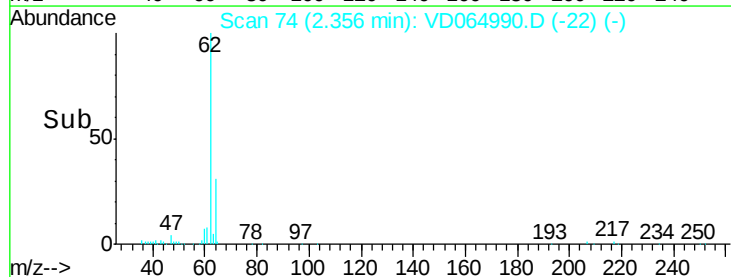
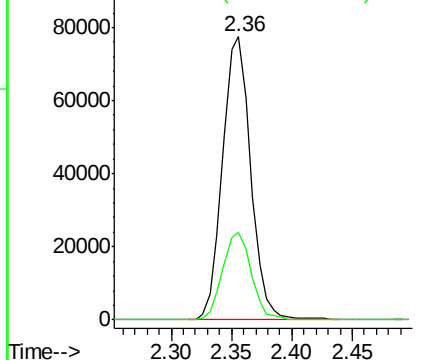
62 100

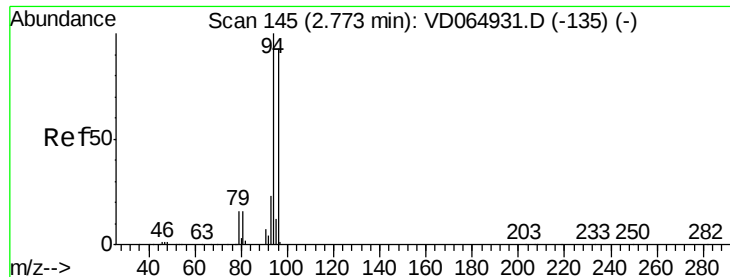
64 30.8 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.993 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 94 Resp: 83904

Ion Ratio Lower Upper

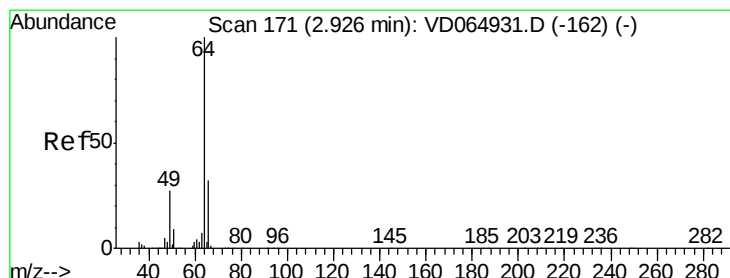
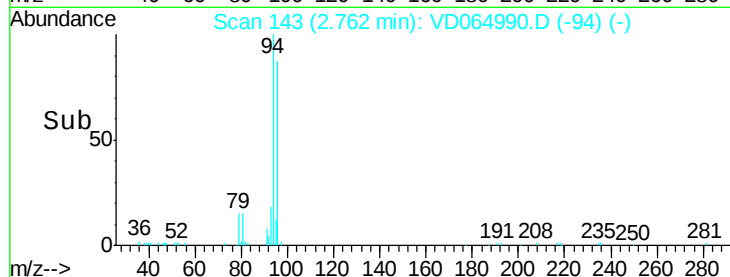
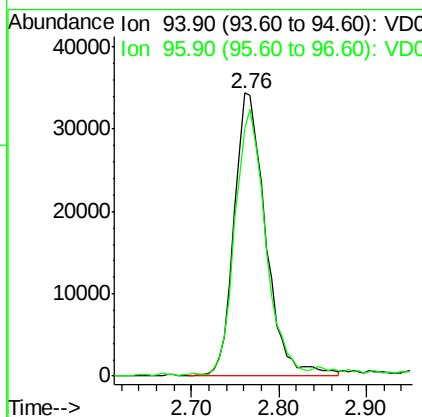
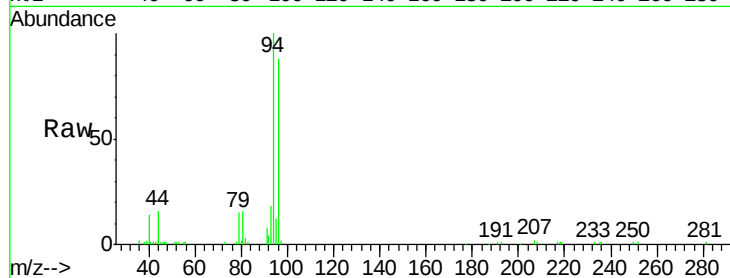
94 100

96 87.1 74.6 111.8

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#6

Chloroethane

Concen: 19.992 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064990.D

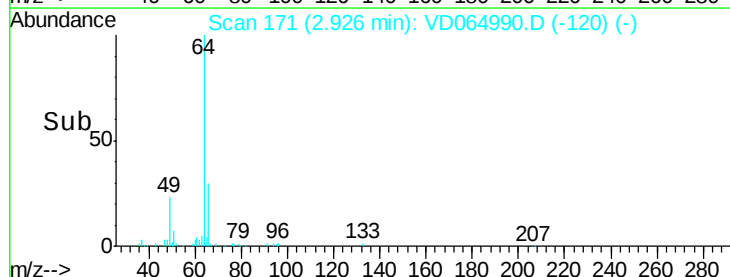
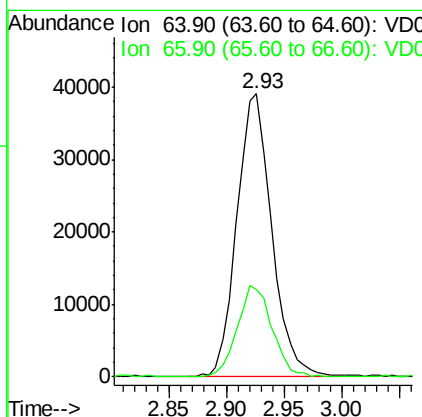
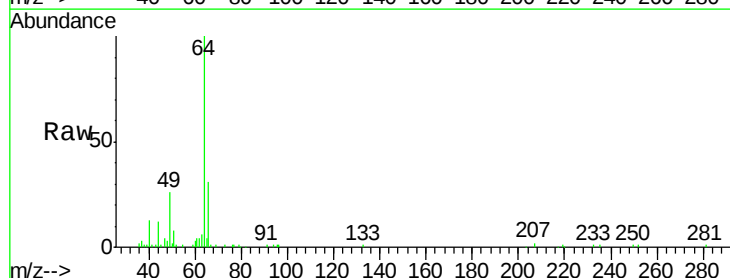
Acq: 29 Jan 2020 12:00

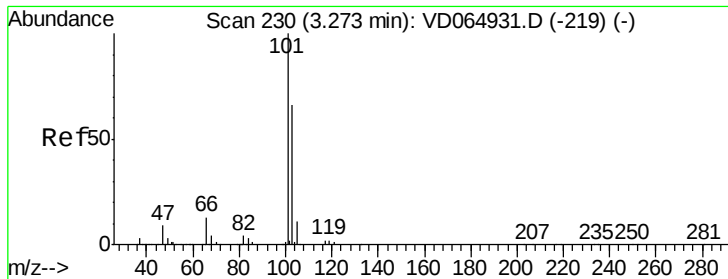
Tgt Ion: 64 Resp: 82230

Ion Ratio Lower Upper

64 100

66 31.1 25.3 37.9





#7

Trichlorofluoromethane

Concen: 20.336 ug/l

RT: 3.27 min Scan# 230

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion:101 Resp: 195946

Ion Ratio Lower Upper

101 100

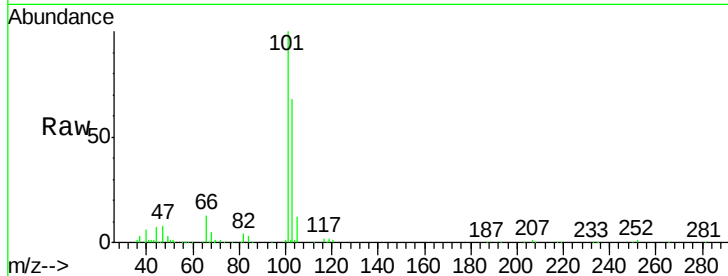
103 67.9 52.5 78.7

Manual Integrations

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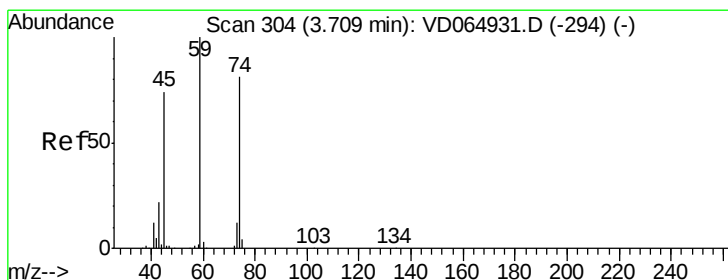
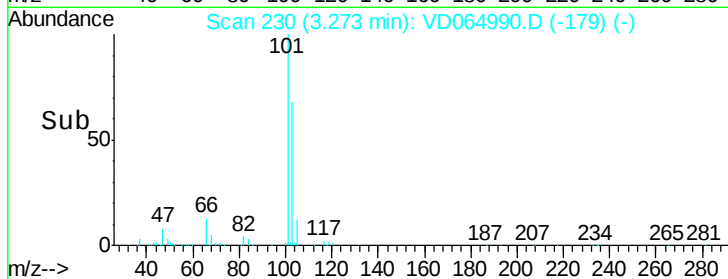
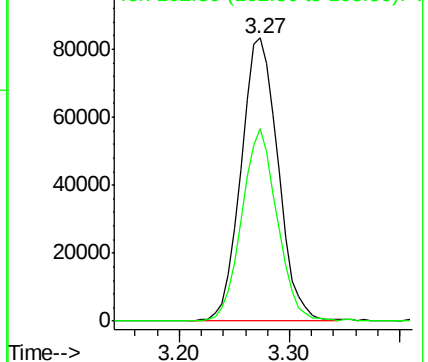
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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 19.228 ug/l

RT: 3.71 min Scan# 305

Delta R.T. 0.01 min

Lab File: VD064990.D

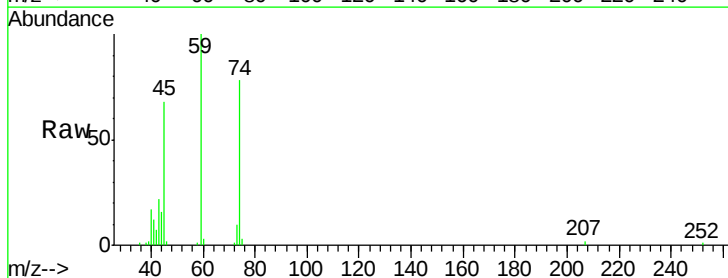
Acq: 29 Jan 2020 12:00

Tgt Ion: 74 Resp: 41824

Ion Ratio Lower Upper

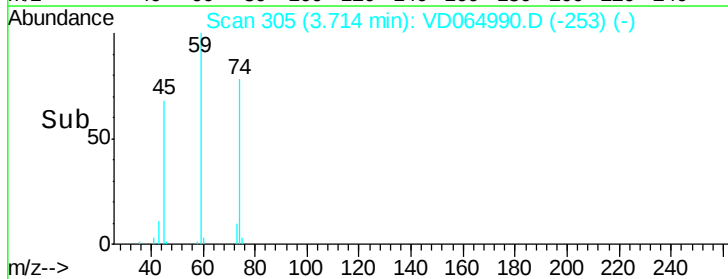
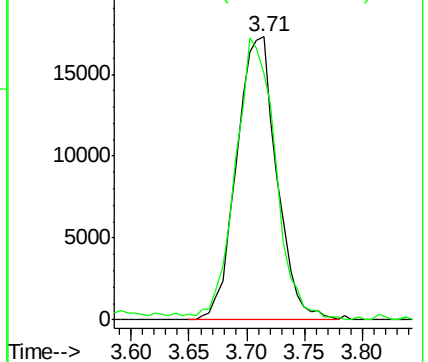
74 100

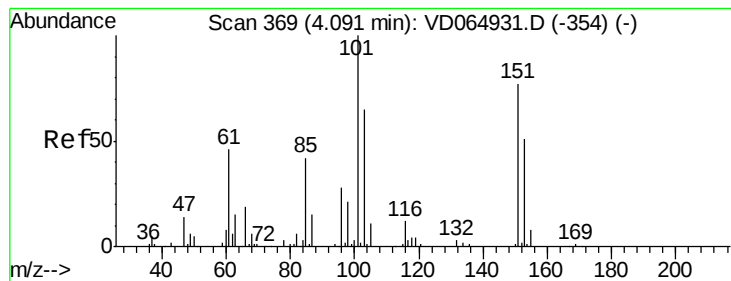
45 100.3 48.5 145.5



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.253 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

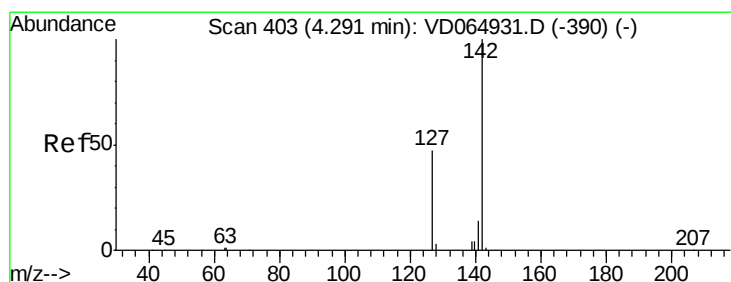
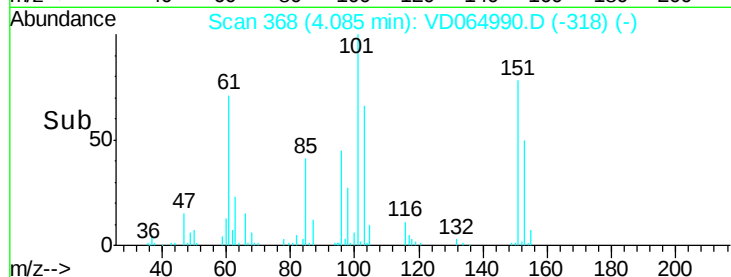
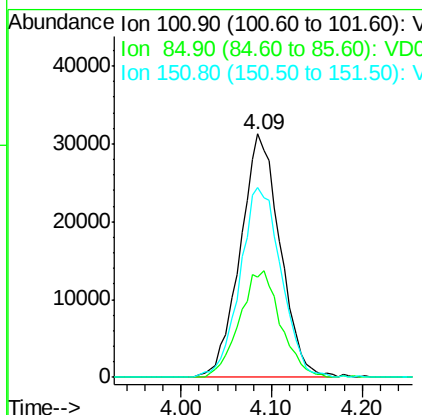
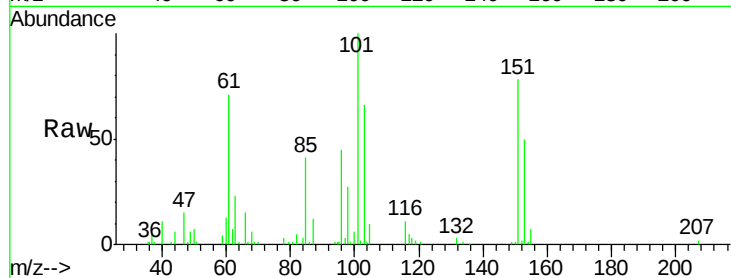
ClientSampleId :

VD0129SBS01

Tot Ion:	101	Resp:	95273
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.0	52.4
151	80.8	64.6	96.8

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#10

Methyl Iodide

Concen: 18.423 ug/l

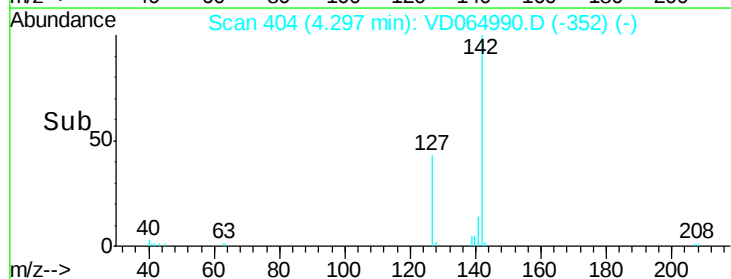
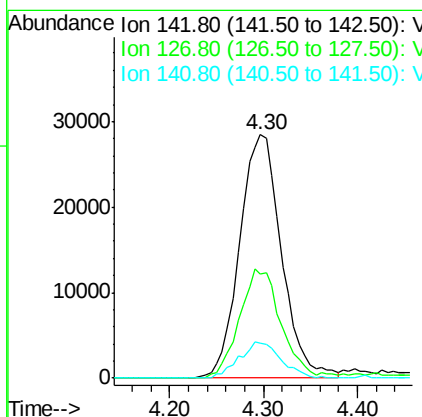
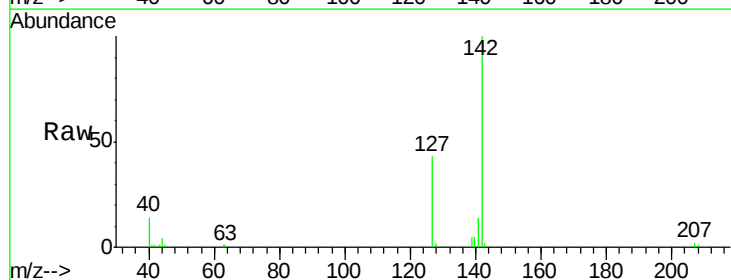
RT: 4.30 min Scan# 404

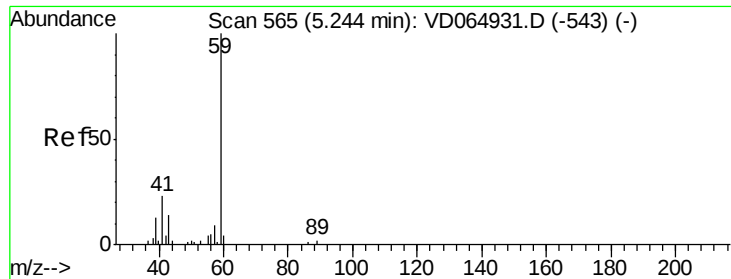
Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion:	142	Resp:	87662
Ion Ratio	Lower	Upper	
142	100		
127	44.7	36.2	54.2
141	14.7	11.6	17.4





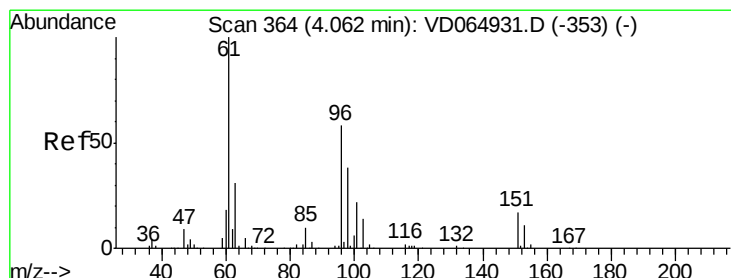
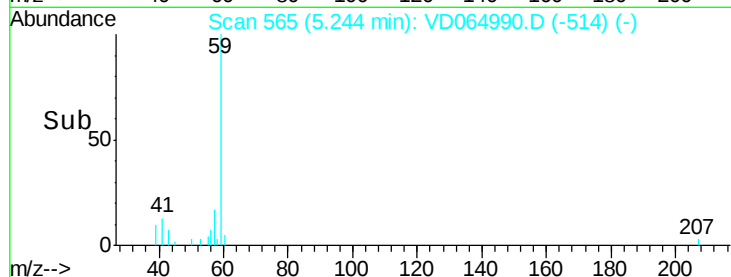
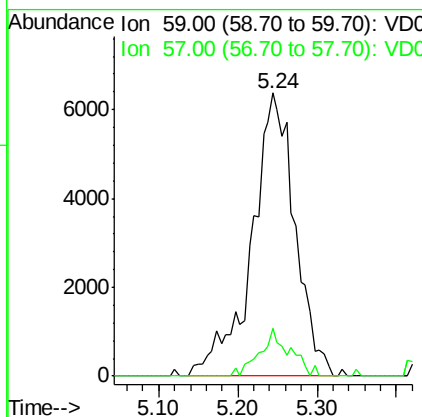
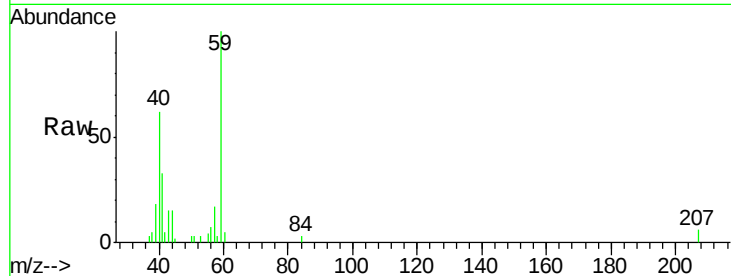
#11
Tert butyl alcohol
Concen: 92.864 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion: 59 Resp: 24217
Ion Ratio Lower Upper
59 100
57 11.6 7.7 11.5#

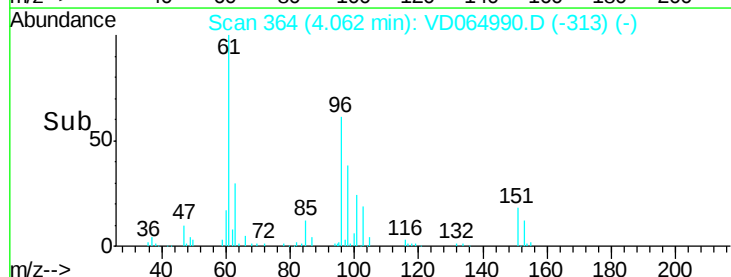
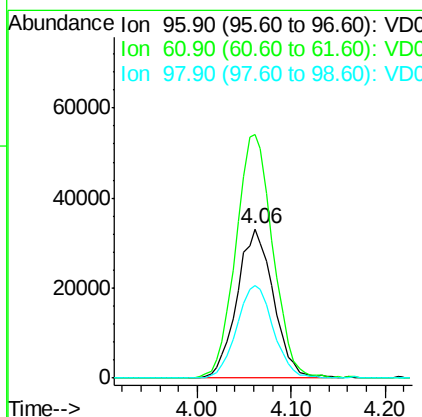
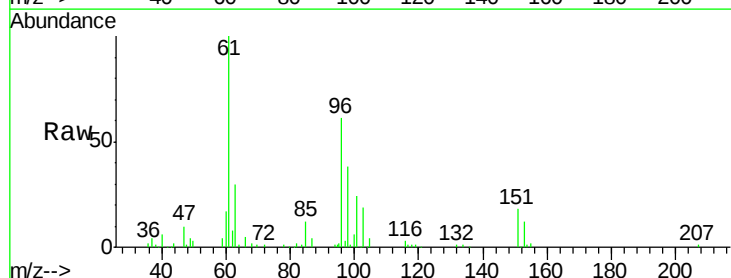
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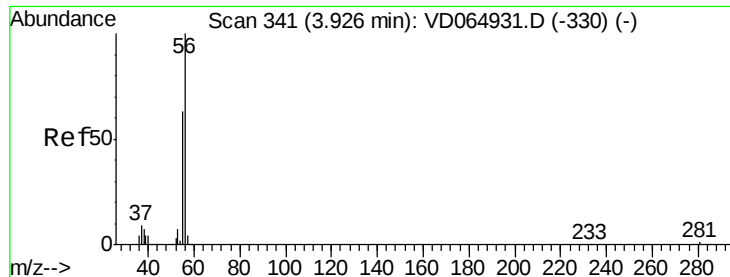
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.765 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 96 Resp: 88925
Ion Ratio Lower Upper
96 100
61 163.3 137.0 205.4
98 62.4 52.1 78.1





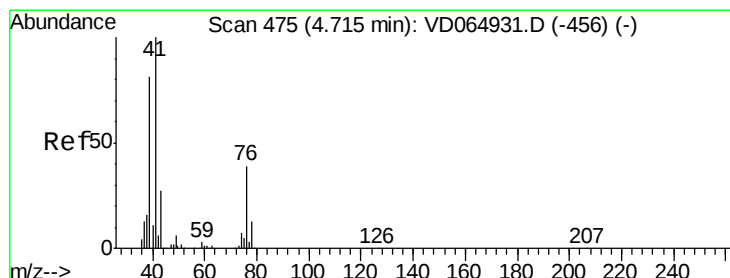
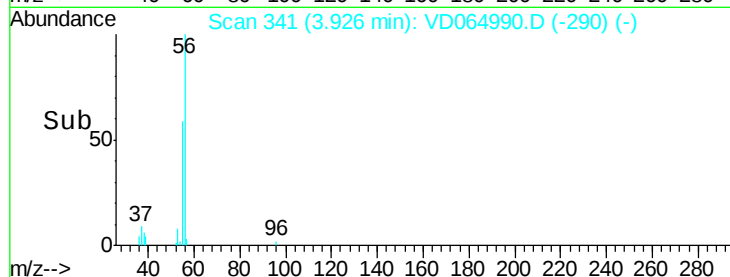
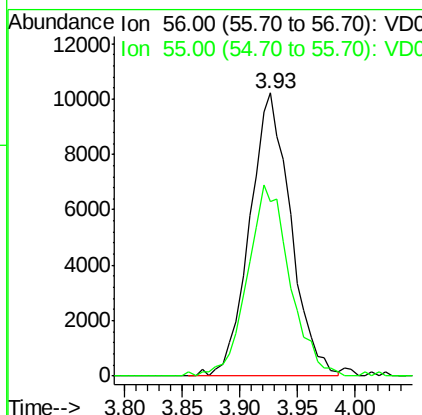
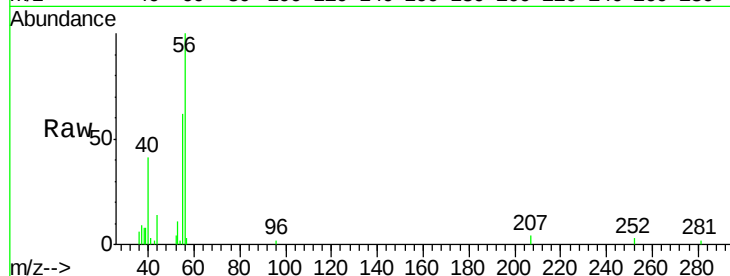
#13
Acrolein
Concen: 77.320 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.8	59.7	89.5

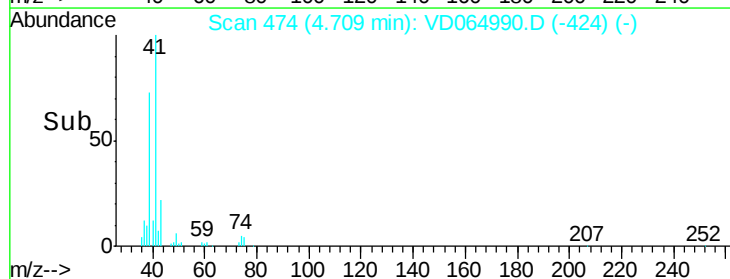
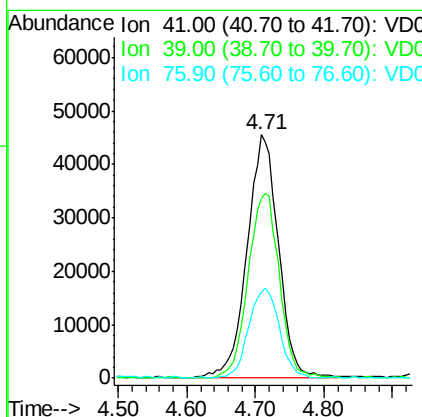
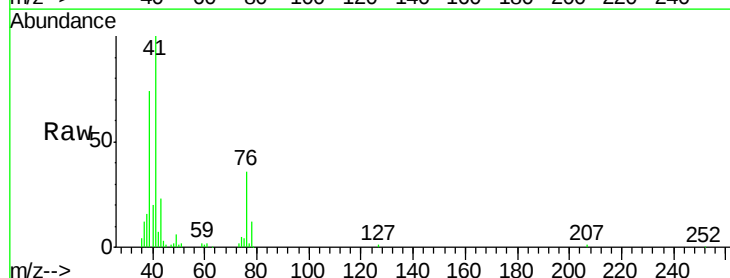
Manual Integrations
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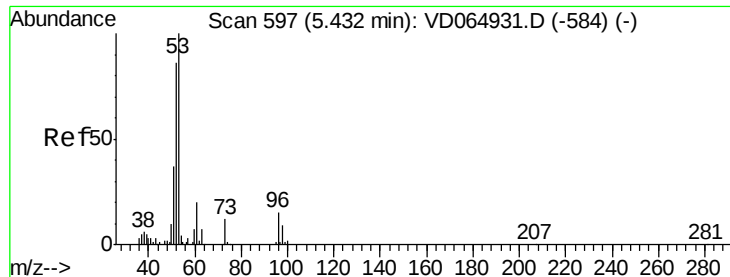
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#14
Allyl chloride
Concen: 21.281 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	75.3	62.0	93.0
76	76	35.6	29.3	43.9





#15

Acrylonitrile

Concen: 96.475 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

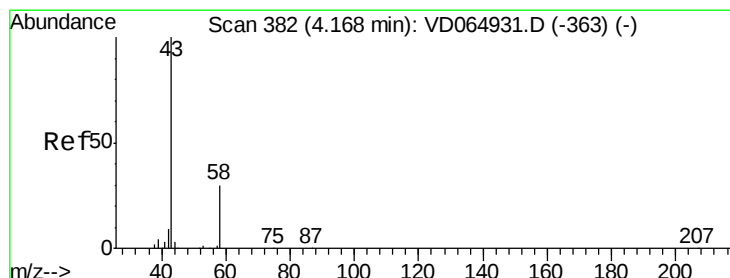
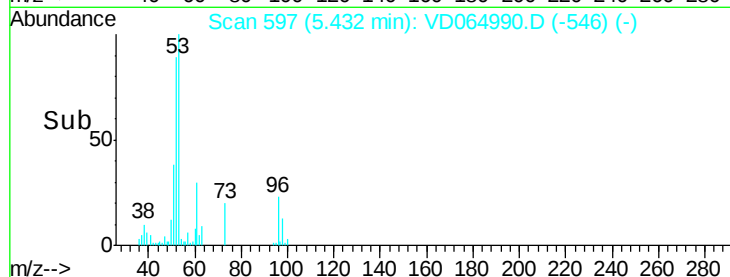
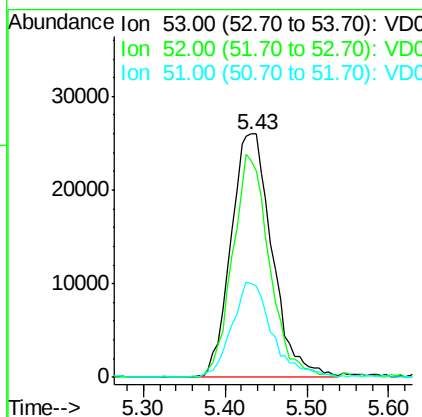
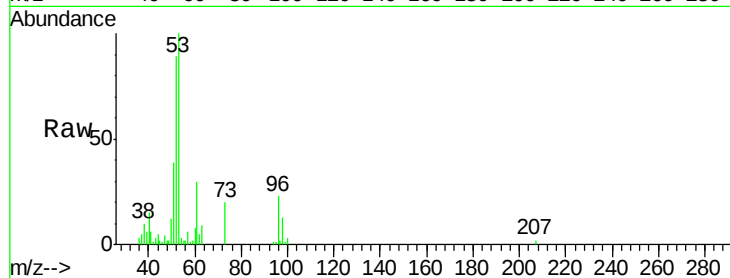
ClientSampleId :

VD0129SBS01

Tot Ion:	53	Resp:	90873
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.7	100.1
51	38.3	31.1	46.7

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#16

Acetone

Concen: 82.906 ug/l

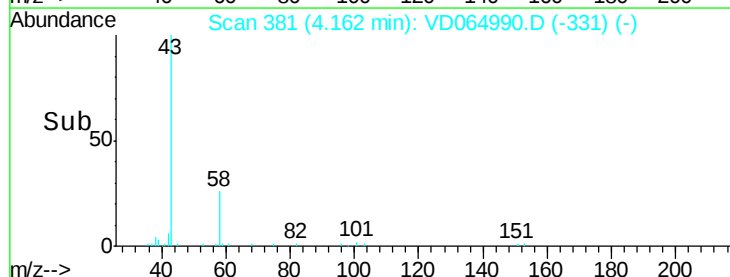
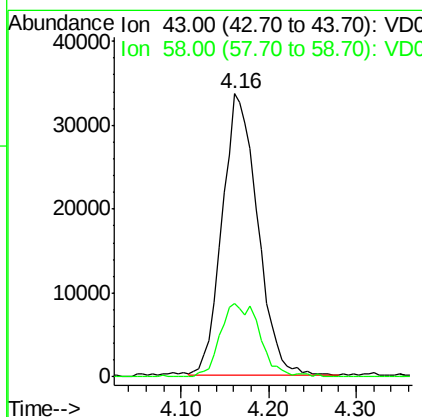
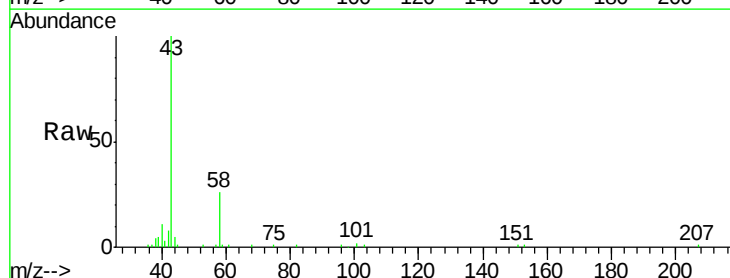
RT: 4.16 min Scan# 381

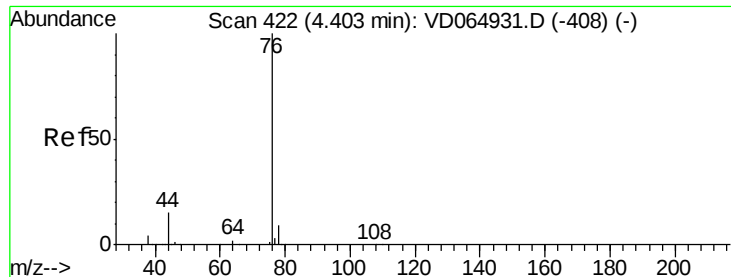
Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion:	43	Resp:	92260
Ion	Ratio	Lower	Upper
43	100		
58	26.4	23.8	35.8





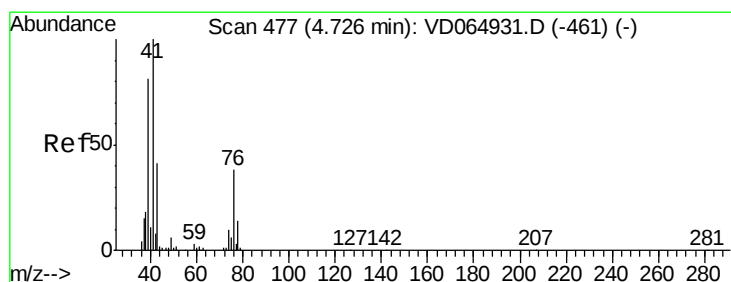
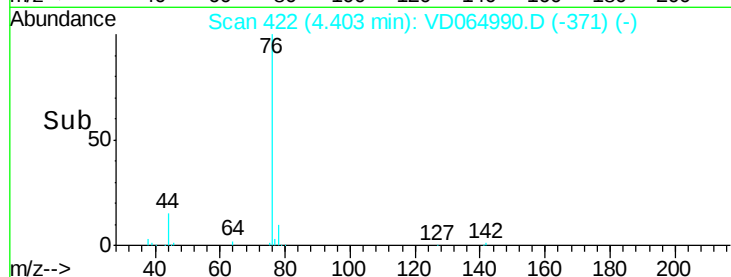
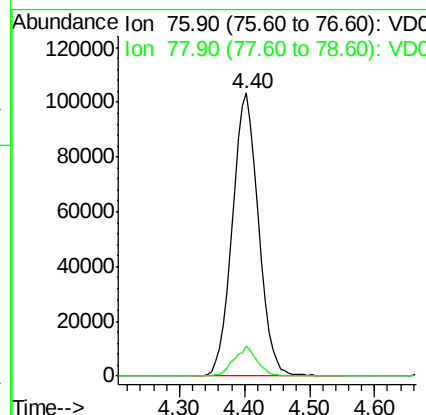
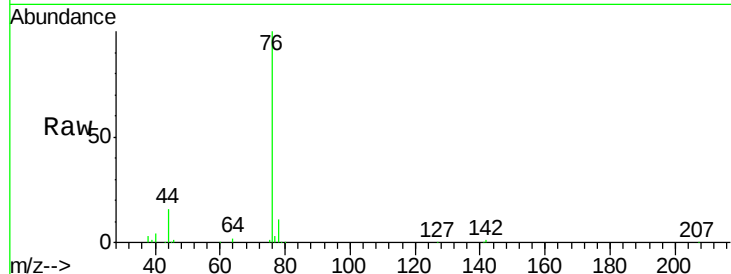
#17
Carbon Disulfide
Concen: 20.384 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.5	7.1	10.7

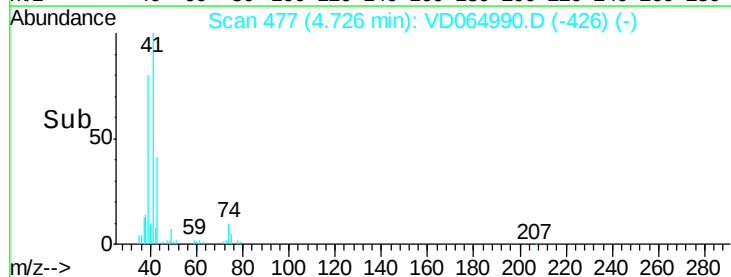
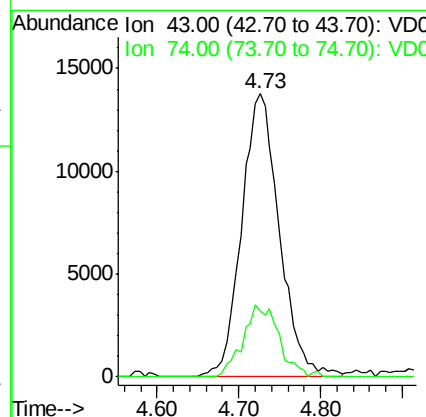
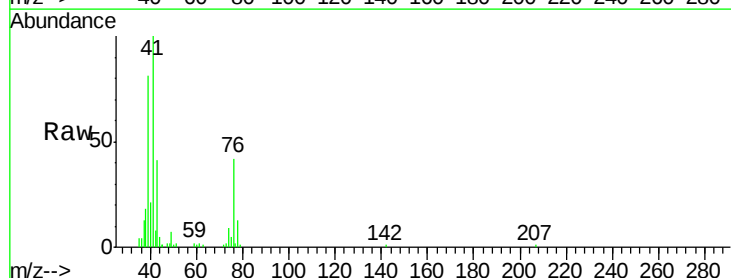
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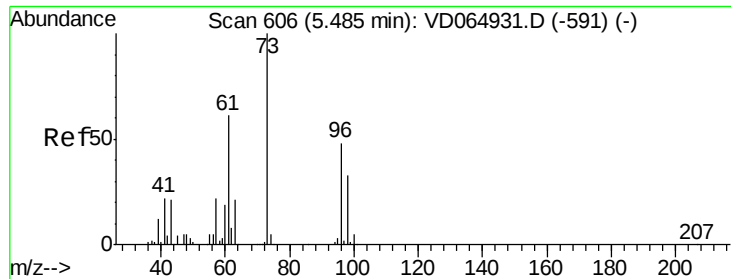
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#18
Methyl Acetate
Concen: 20.015 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7





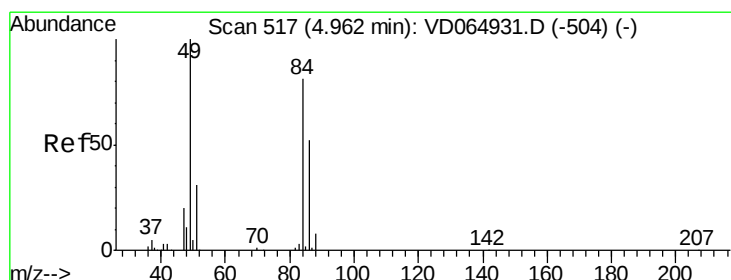
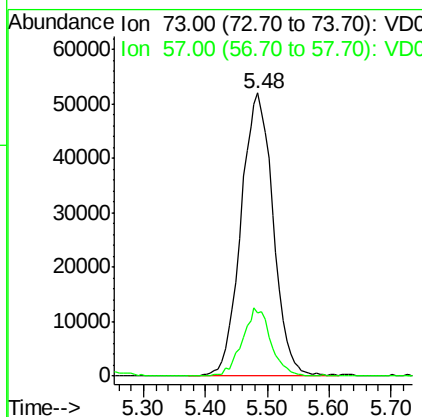
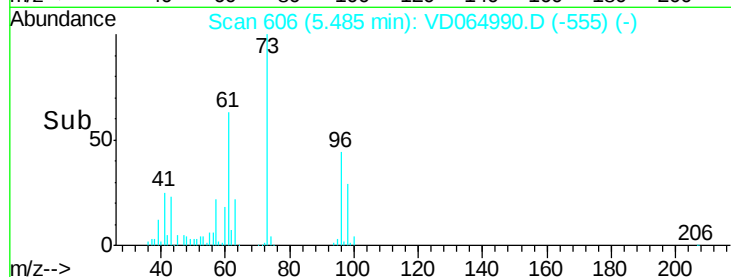
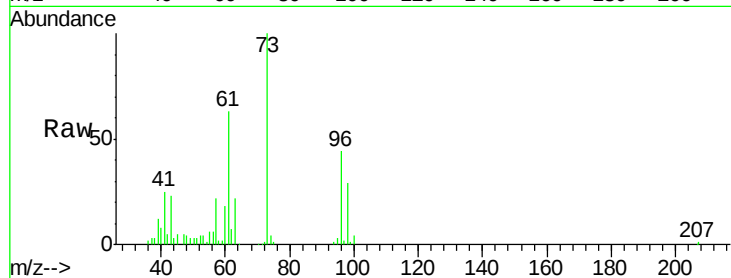
#19
Methyl tert-butyl Ether
Concen: 19.672 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion: 73 Resp: 188233
Ion Ratio Lower Upper
73 100
57 22.3 17.9 26.9

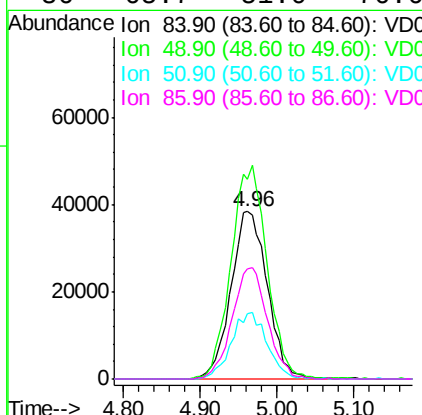
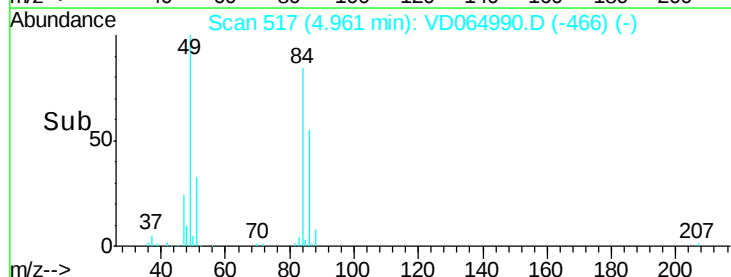
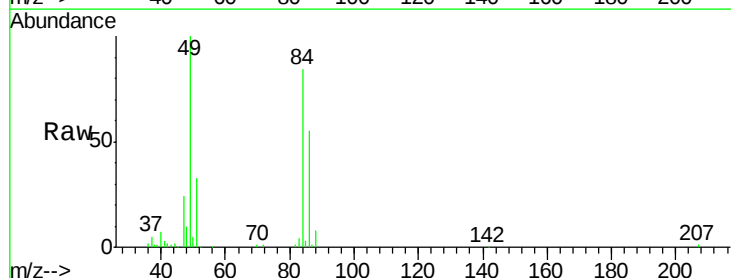
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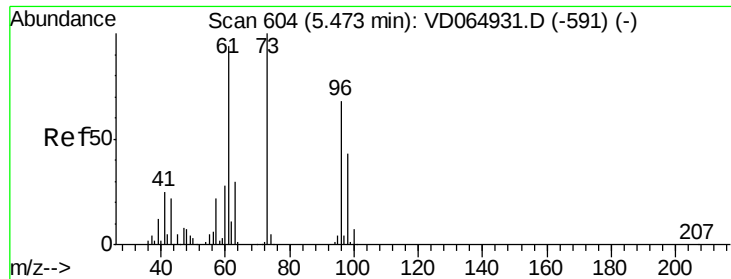
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#20
Methylene Chloride
Concen: 24.264 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 84 Resp: 126460
Ion Ratio Lower Upper
84 100
49 119.0 98.4 147.6
51 39.2 30.8 46.2
86 65.7 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 20.591 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

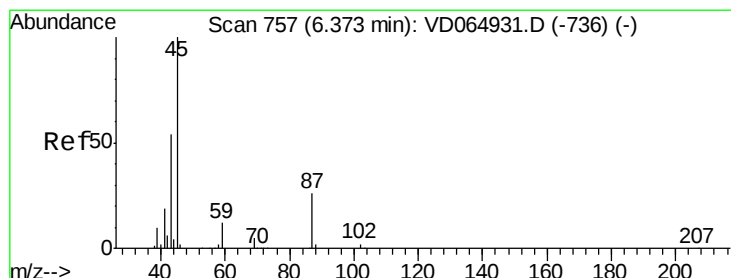
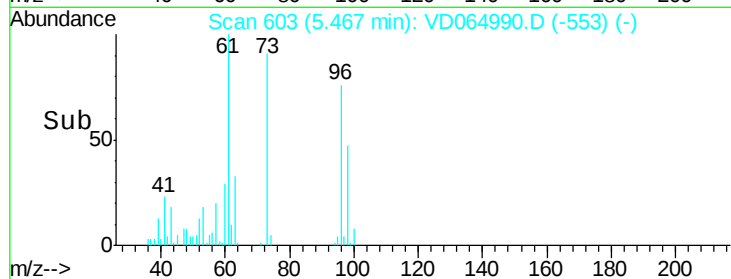
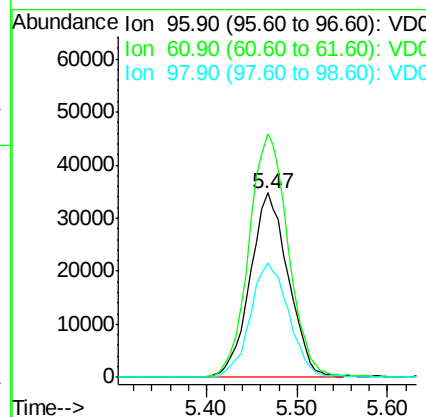
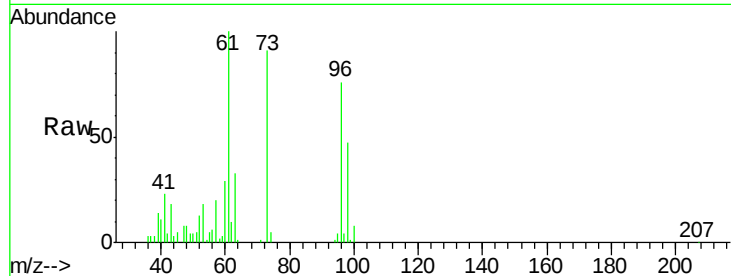
ClientSampleId :

VD0129SBS01

Tot Ion:	96	Resp:	101595
Ion	Ratio	Lower	Upper
96	100		
61	132.2	110.4	165.6
98	62.0	50.5	75.7

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#22

Diisopropyl ether

Concen: 20.232 ug/l

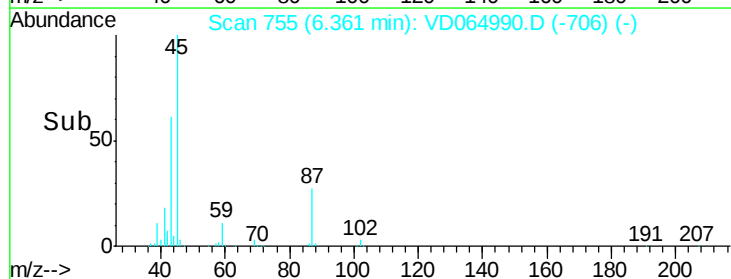
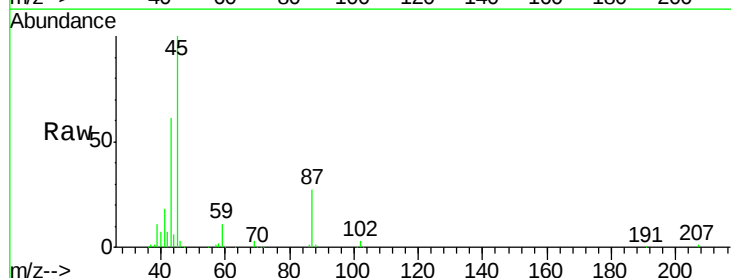
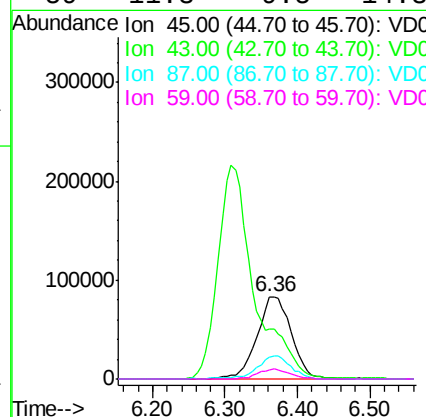
RT: 6.36 min Scan# 755

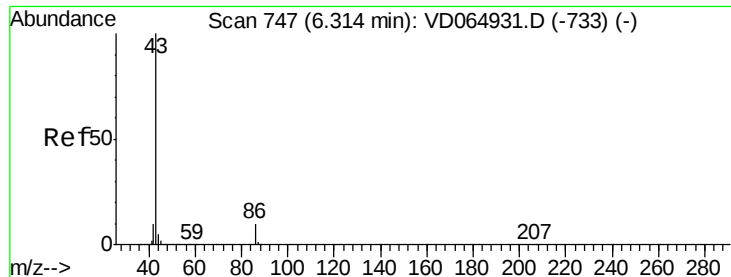
Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion:	45	Resp:	275394
Ion	Ratio	Lower	Upper
45	100		
43	59.5	43.1	64.7
87	26.4	21.4	32.2
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 94.953 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 43 Resp: 756739

Ion Ratio Lower Upper

43 100

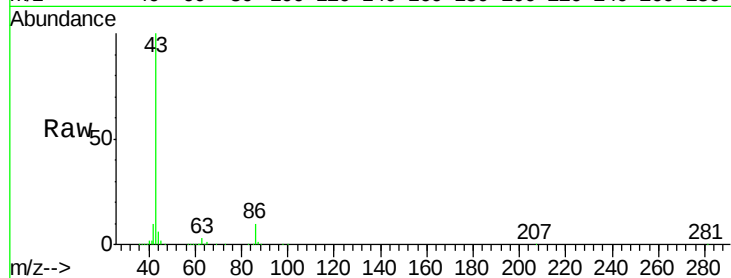
86 10.2 8.3 12.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

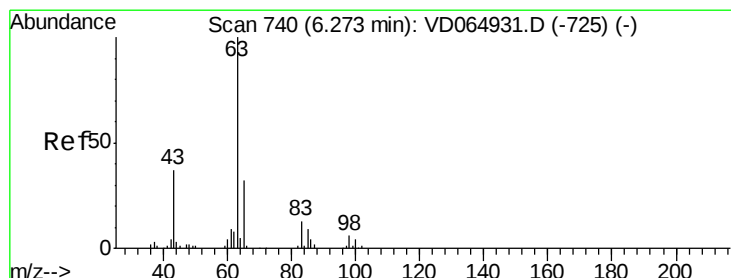
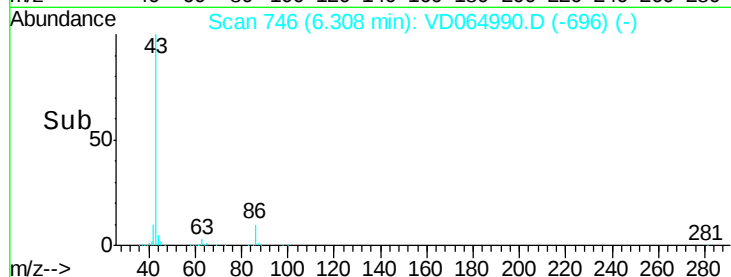
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.687 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

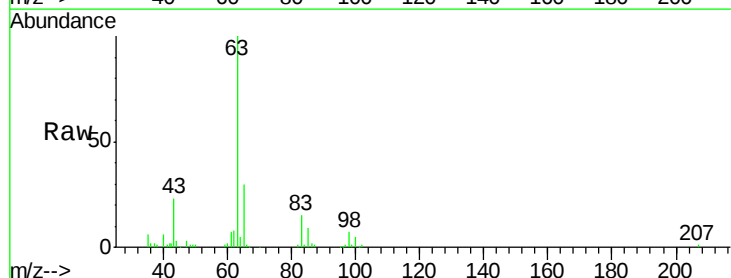
Tgt Ion: 63 Resp: 172893

Ion Ratio Lower Upper

63 100

98 6.9 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

60000

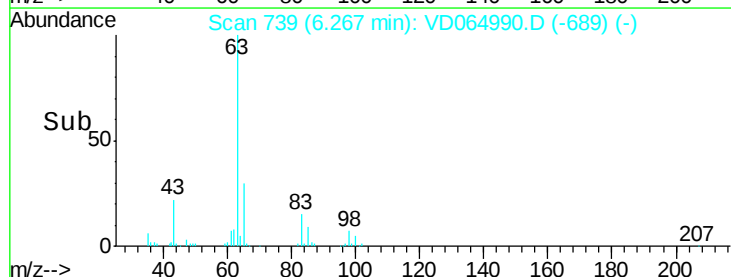
40000

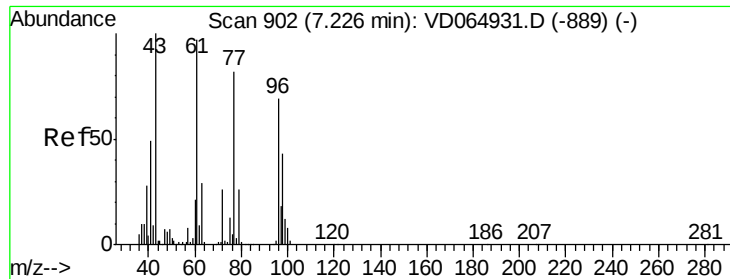
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 89.962 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 43 Resp: 114695

Ion Ratio Lower Upper

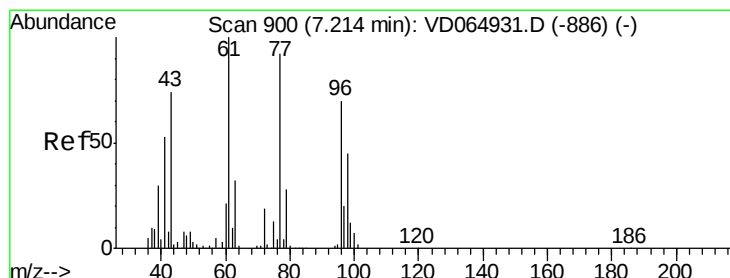
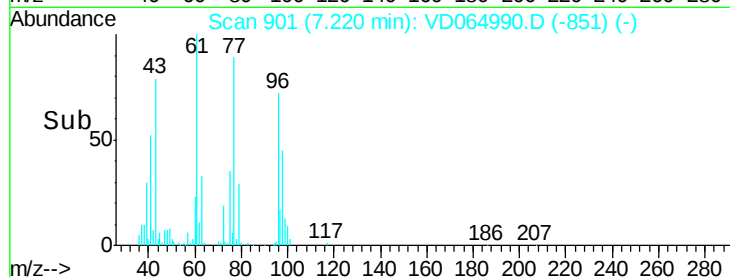
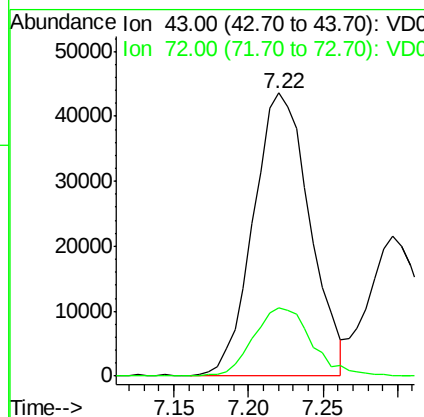
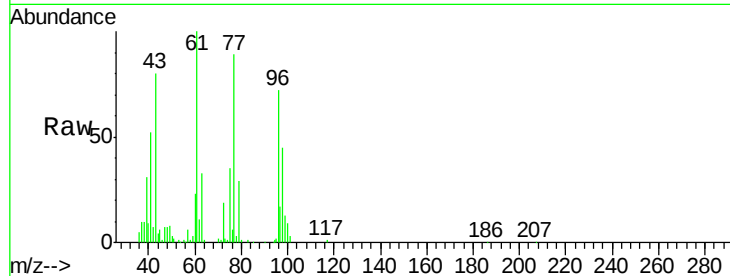
43 100

72 24.2 20.6 31.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 21.142 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064990.D

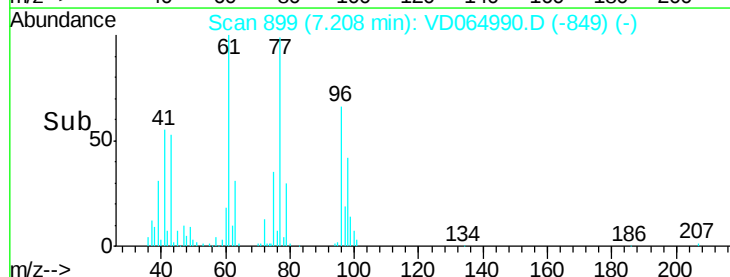
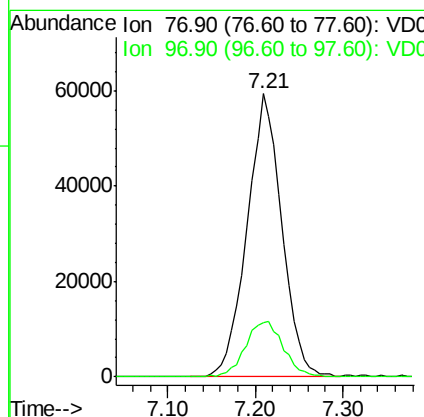
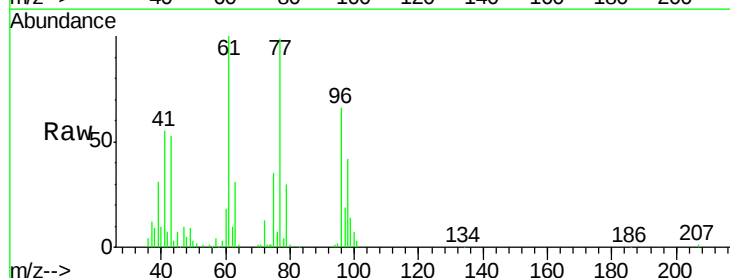
Acq: 29 Jan 2020 12:00

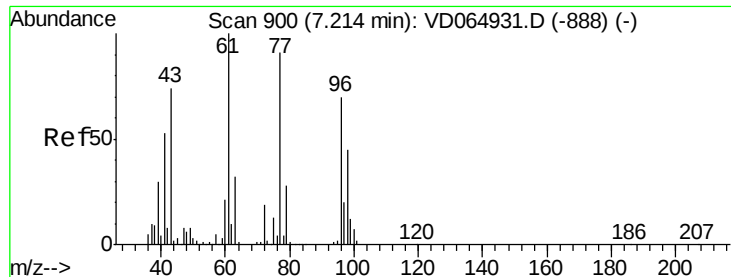
Tgt Ion: 77 Resp: 160275

Ion Ratio Lower Upper

77 100

97 21.5 11.4 34.2





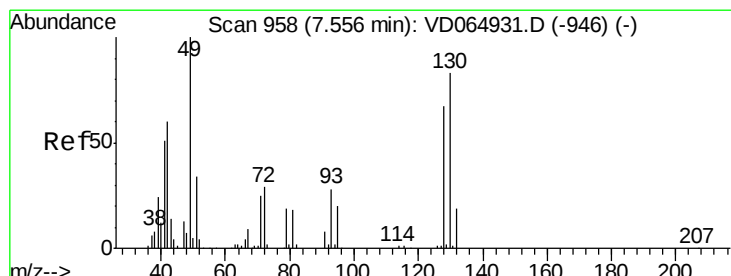
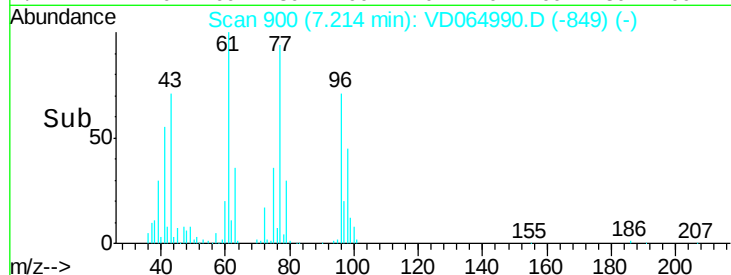
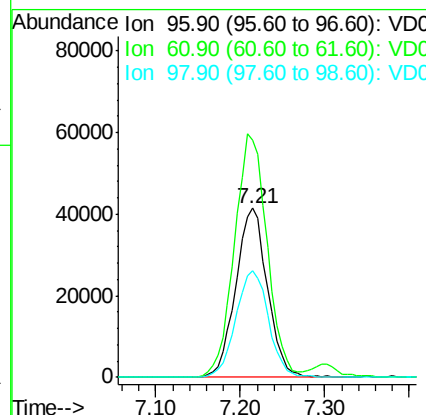
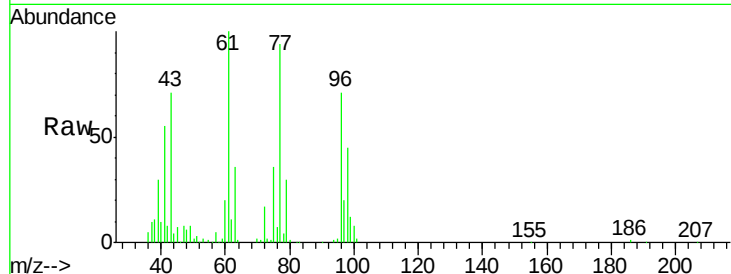
#27
 cis-1,2-Dichloroethene
 Concen: 20.416 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	107518		
61	147.4	0.0	292.8	
98	65.0	0.0	130.0	

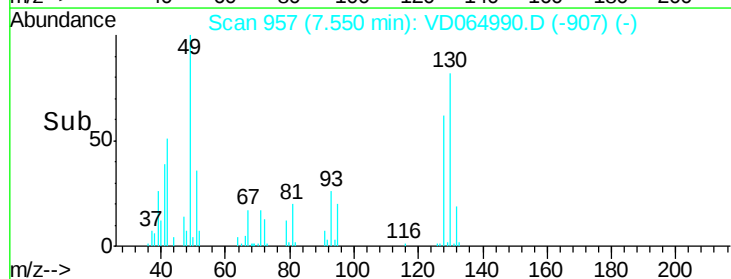
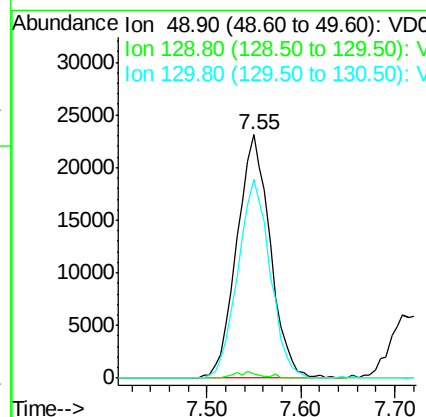
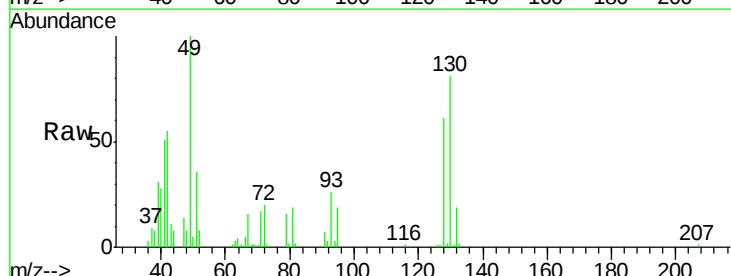
Manual Integrations
 APPROVED

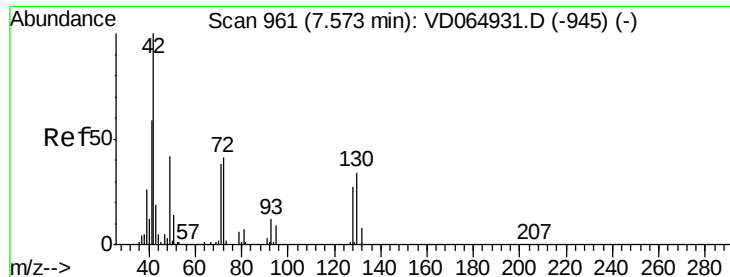
MMDadoda
 1/30/2020 10:27:09 AM



#28
 Bromochloromethane
 Concen: 17.024 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56901		
129	1.8	0.0	4.4	
130	79.0	63.8	95.8	





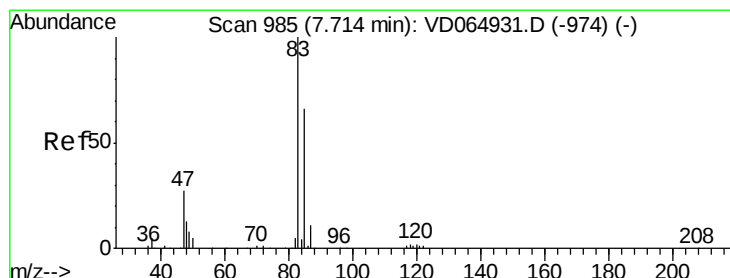
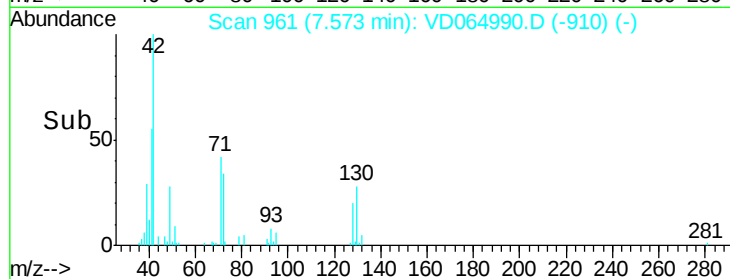
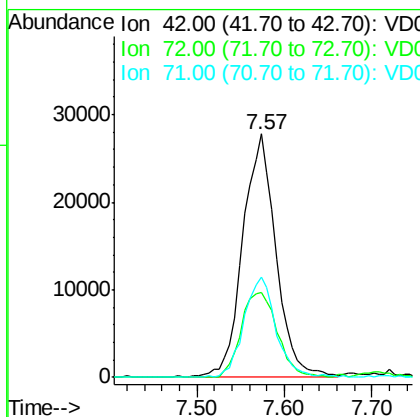
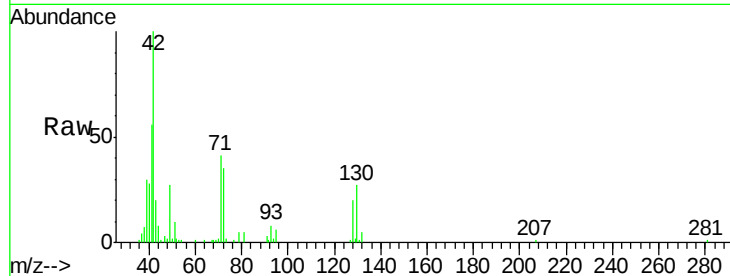
#29
Tetrahydrofuran
Concen: 91.190 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	34.0	51.0
71	39.1	31.5	47.3

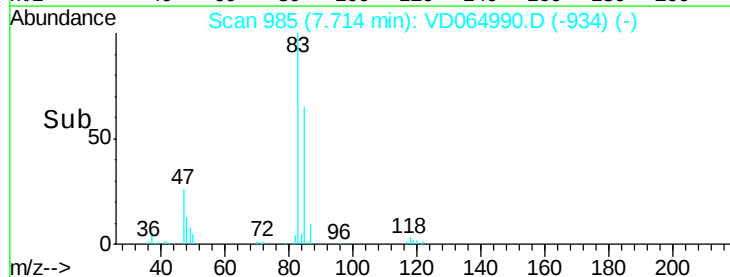
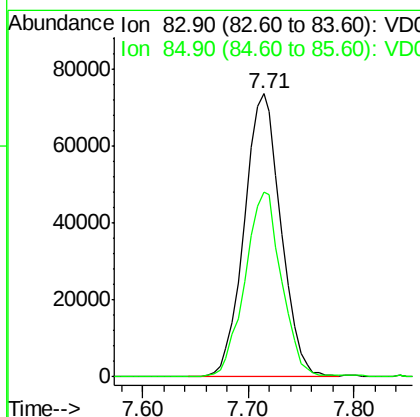
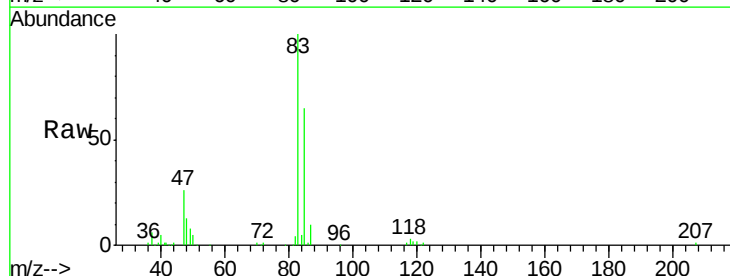
Manual Integrations
APPROVED

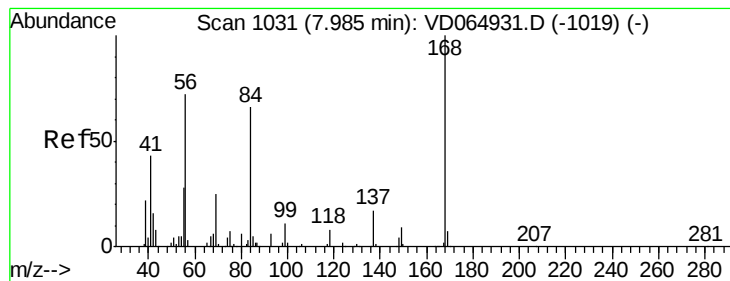
MMDadoda
1/30/2020 10:27:09 AM



#30
Chloroform
Concen: 20.589 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.4	78.6





#31

Cyclohexane

Concen: 20.074 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

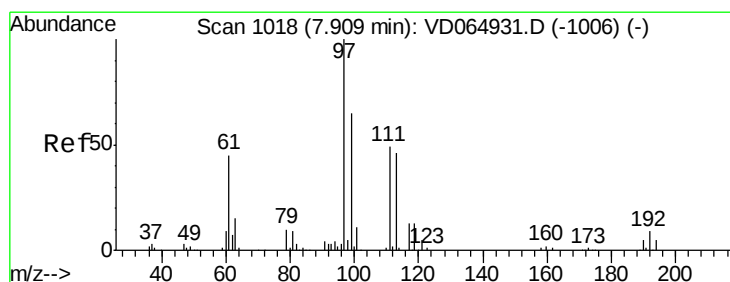
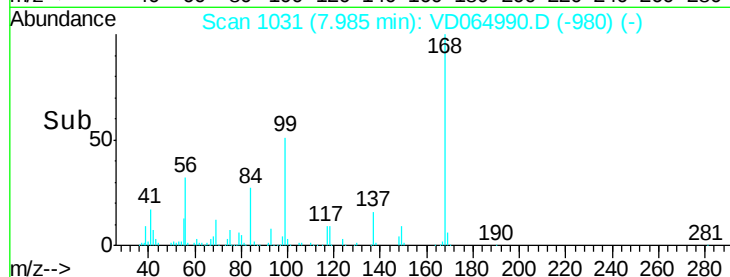
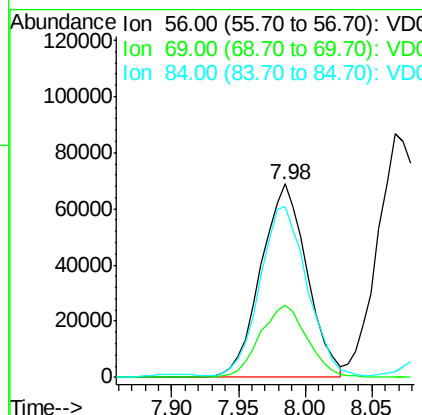
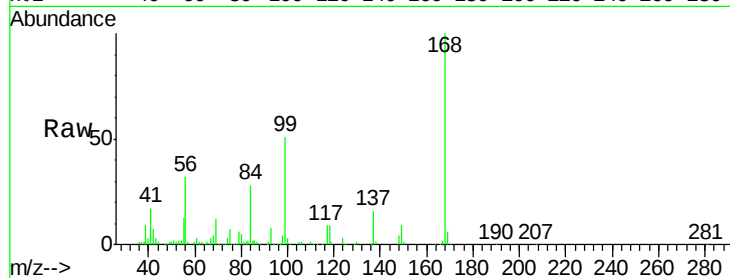
ClientSampleId :

VD0129SBS01

Tot Ion:	56	Resp:	165044
Ion	Ratio	Lower	Upper
56	100		
69	37.3	27.9	41.9
84	86.4	72.8	109.2

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#32

1,1,1-Trichloroethane

Concen: 20.683 ug/l

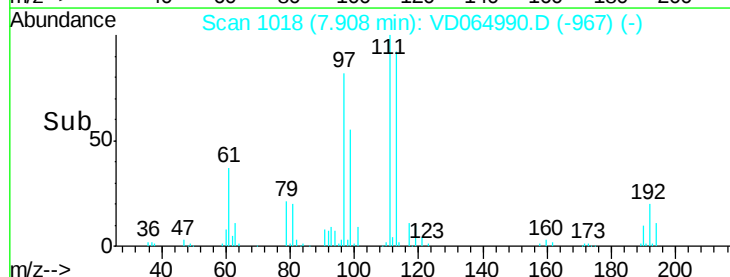
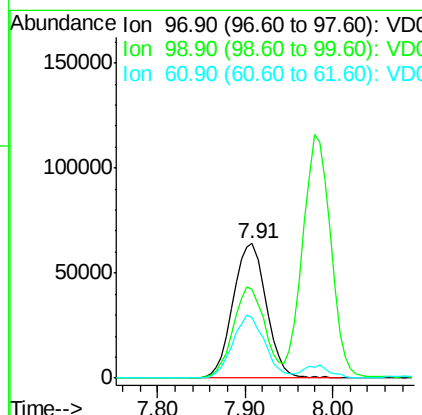
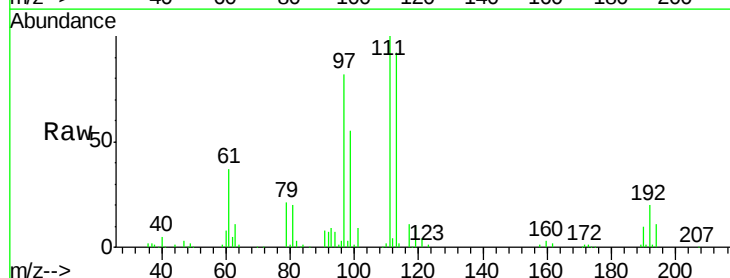
RT: 7.91 min Scan# 1018

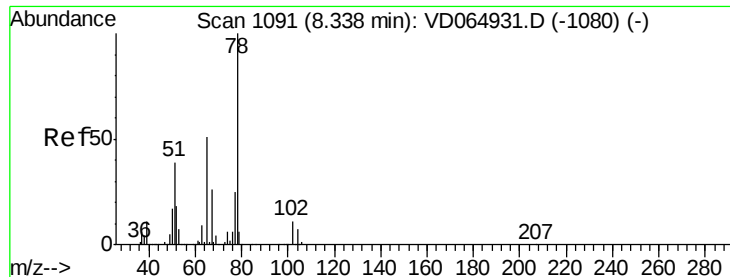
Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion:	97	Resp:	166232
Ion	Ratio	Lower	Upper
97	100		
99	65.5	50.6	76.0
61	45.4	35.7	53.5





#33

1,2-Dichloroethane-d4

Concen: 47.192 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 65 Resp: 222701

Ion Ratio Lower Upper

65 100

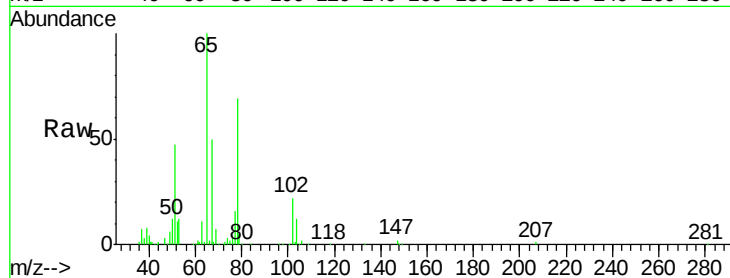
67 51.7 0.0 103.6

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

120000

100000

80000

60000

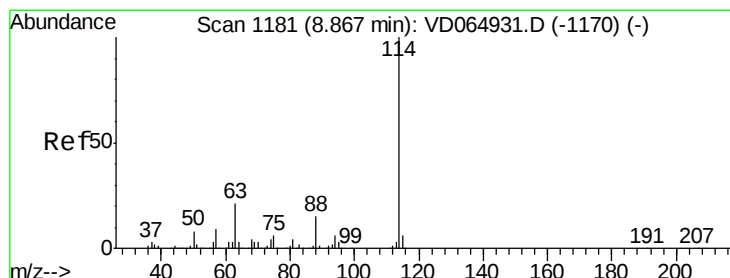
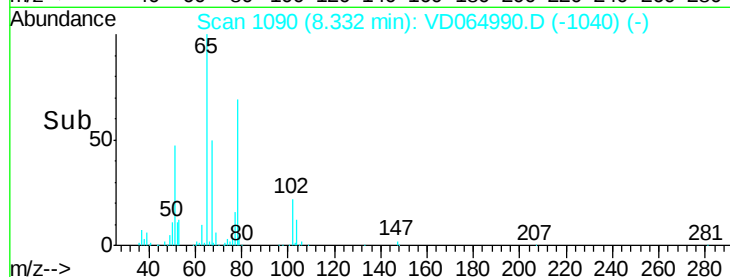
40000

20000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

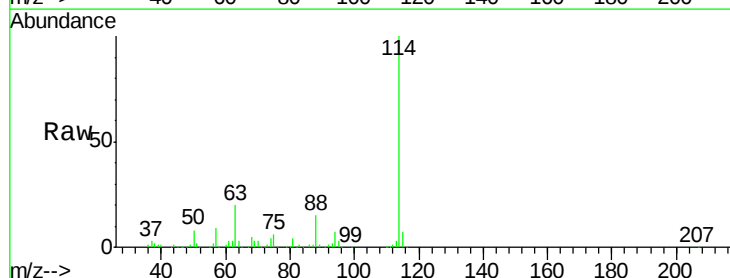
Tgt Ion: 114 Resp: 721226

Ion Ratio Lower Upper

114 100

63 19.6 0.0 42.0

88 15.2 0.0 29.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

500000

400000

300000

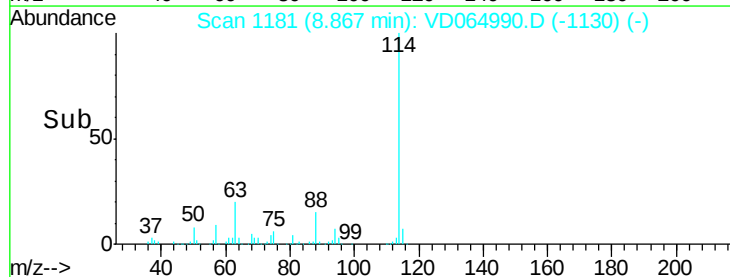
200000

100000

0

8.80 8.90 9.00

Time-->





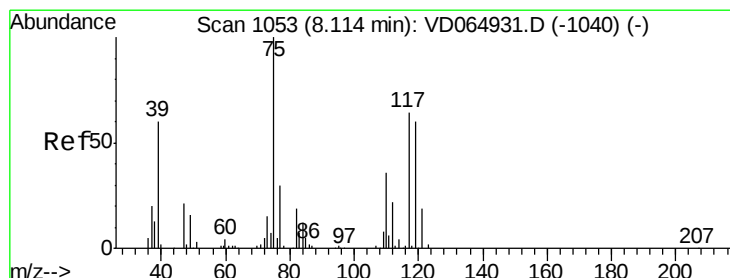
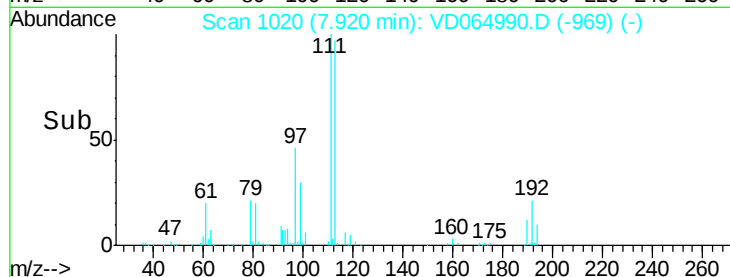
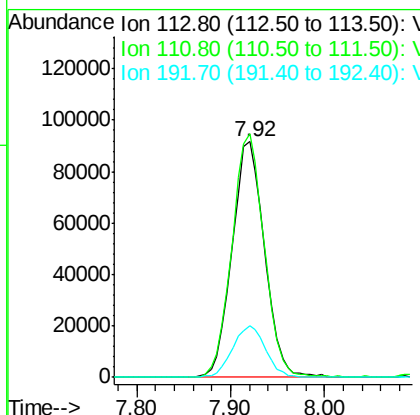
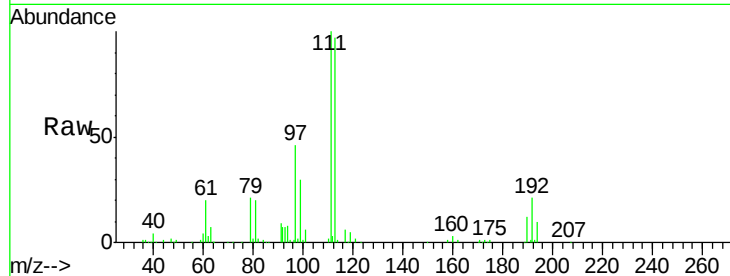
#35
 Dibromofluoromethane
 Concen: 48.414 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	219427		
111	102.9	82.4	123.6	
192	22.0	16.9	25.3	

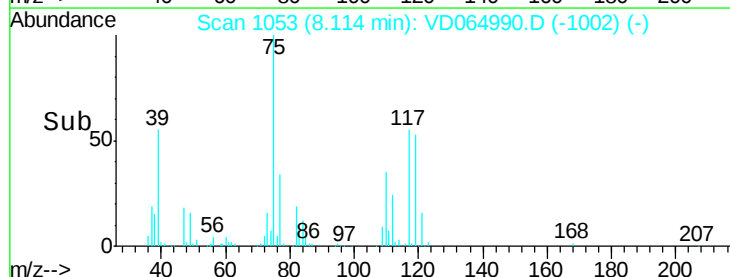
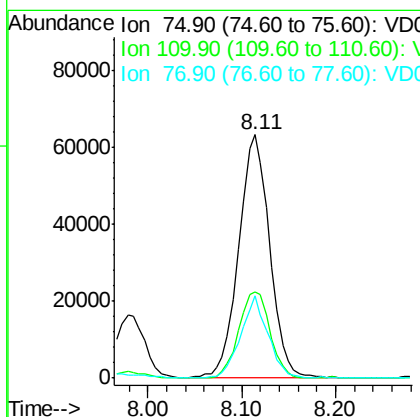
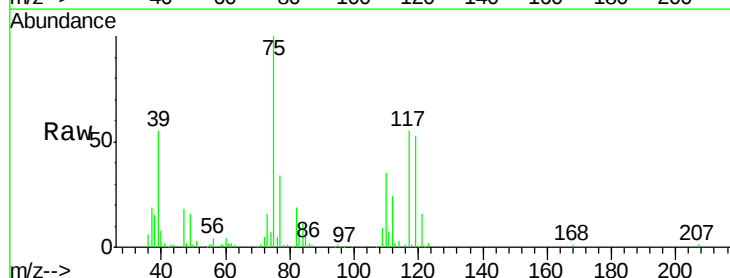
Manual Integrations
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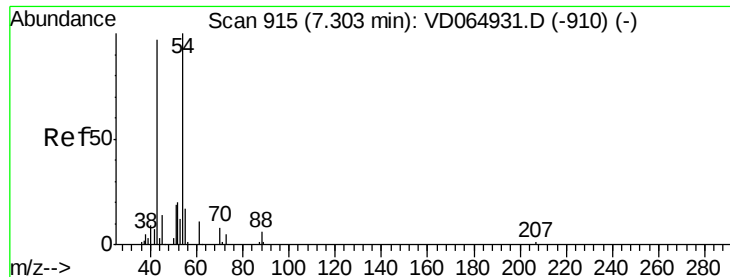
MMDadoda
 1/30/2020 10:27:09 AM



#36
 1,1-Dichloropropene
 Concen: 20.843 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	144958		
110	35.6	17.3	52.0	
77	29.8	24.7	37.1	





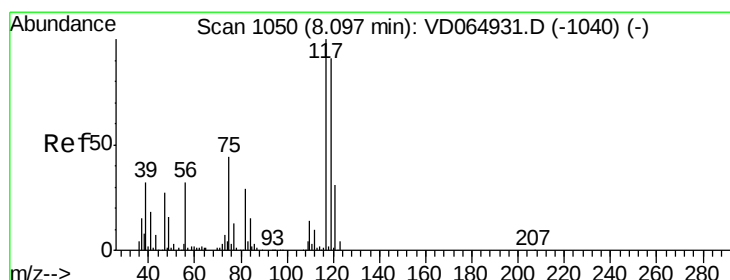
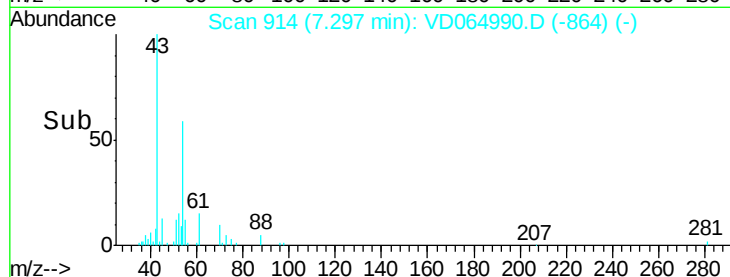
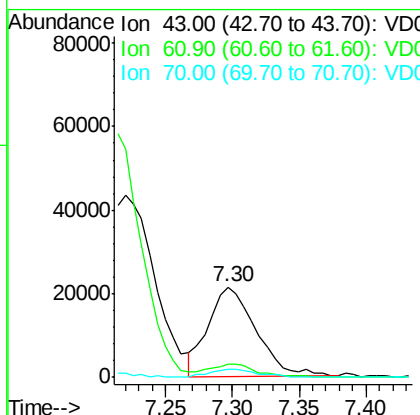
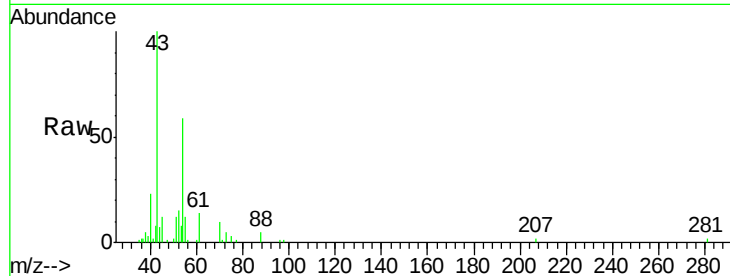
#37
Ethyl Acetate
Concen: 18.300 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.0	16.4
70	9.9	7.5	11.3

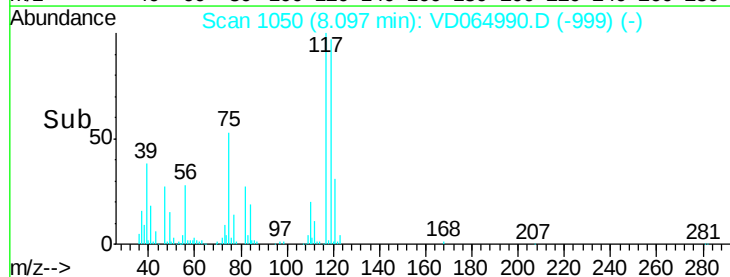
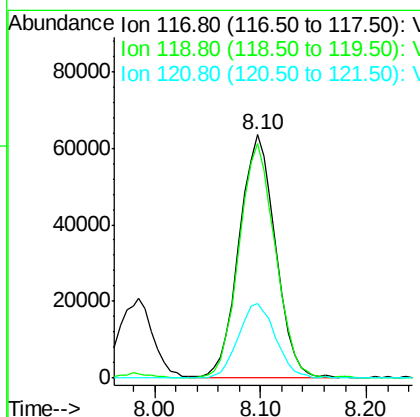
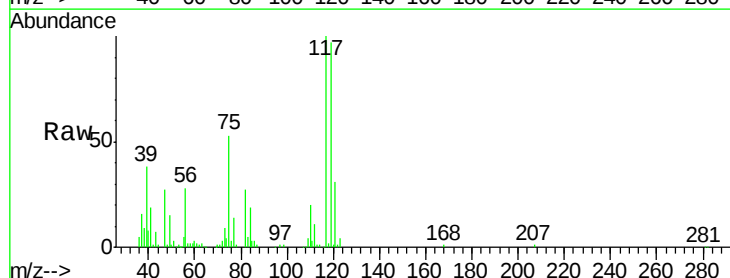
Manual Integrations
APPROVED

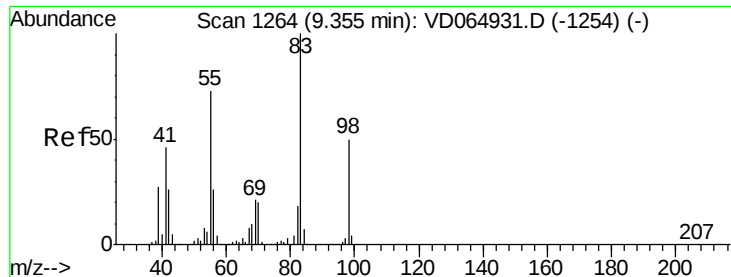
MMDadoda
1/30/2020 10:27:09 AM



#38
Carbon Tetrachloride
Concen: 20.717 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.5	73.2	109.8
121	30.8	24.4	36.6





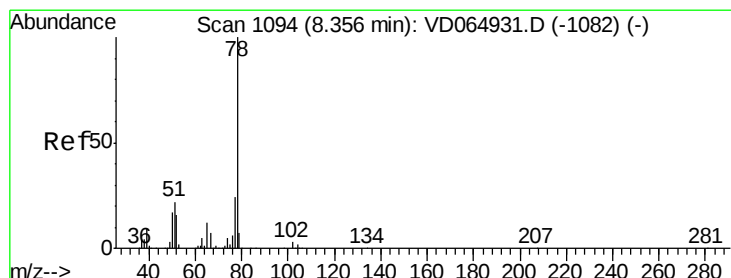
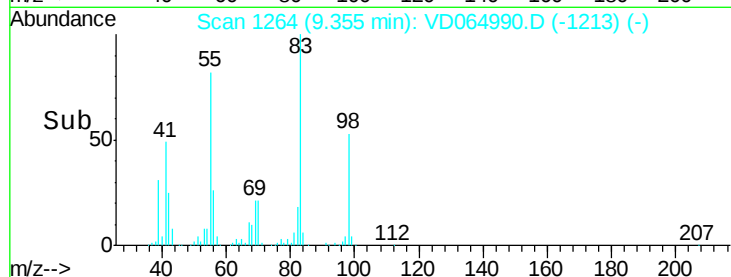
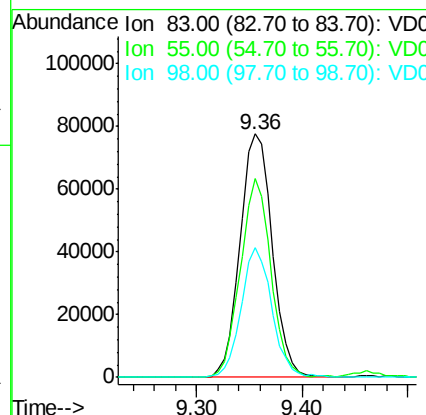
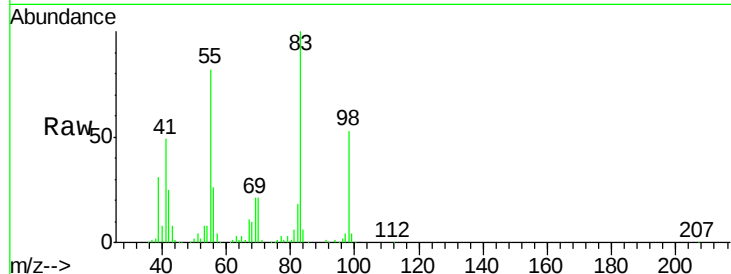
#39
Methvlcvclohexane
Concen: 20.239 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.6	58.7	88.1
98	53.4	40.2	60.2

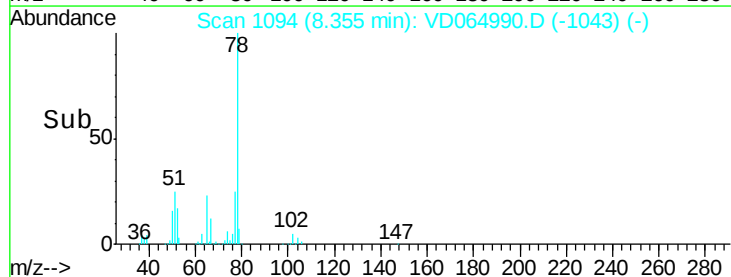
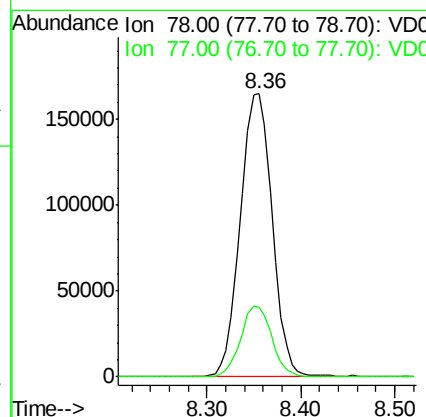
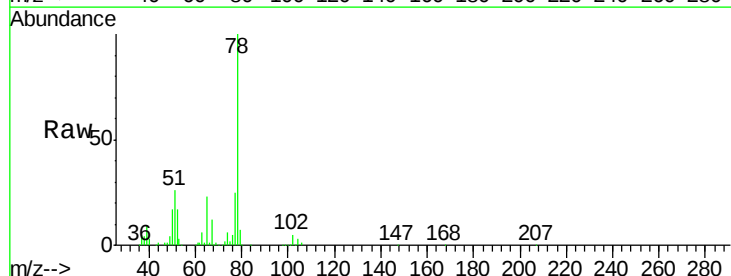
Manual Integrations
APPROVED

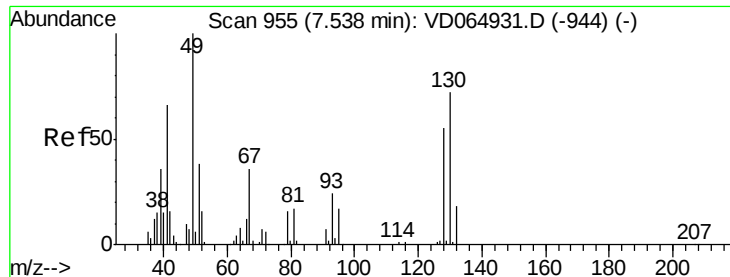
MMDadoda
1/30/2020 10:27:09 AM



#40
Benzene
Concen: 20.294 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8





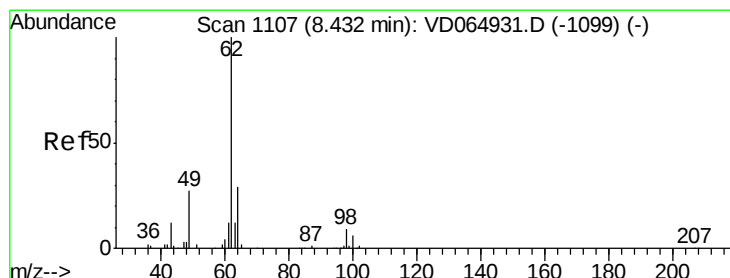
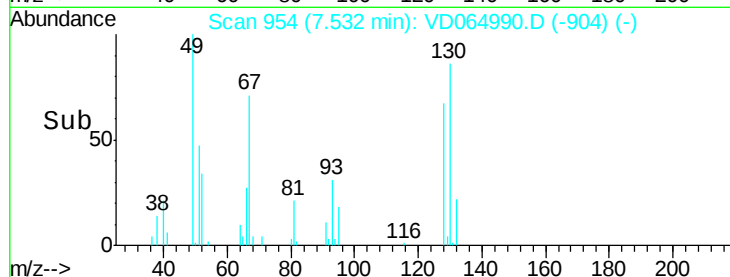
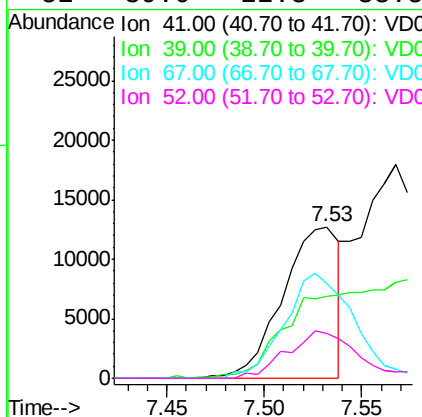
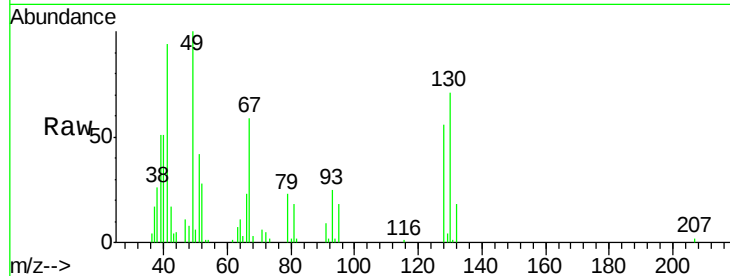
#41
Methacrylonitrile
Concen: 16.602 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.3	73.9#
67	84.1	51.0	76.6#
52	39.0	22.3	33.5#

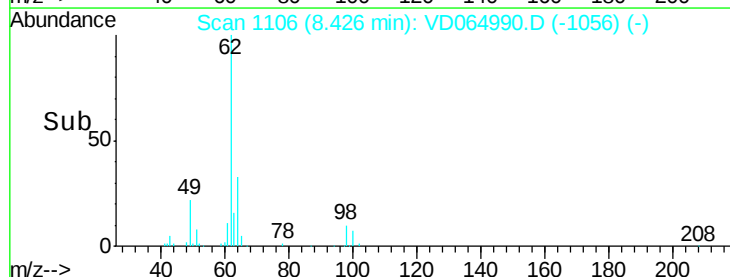
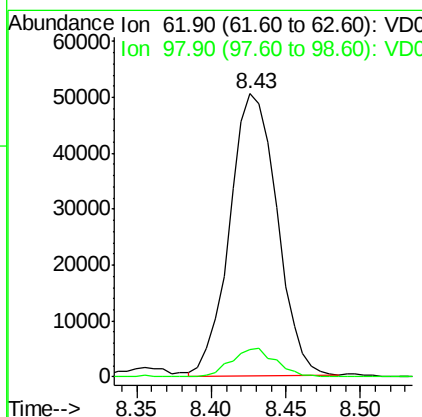
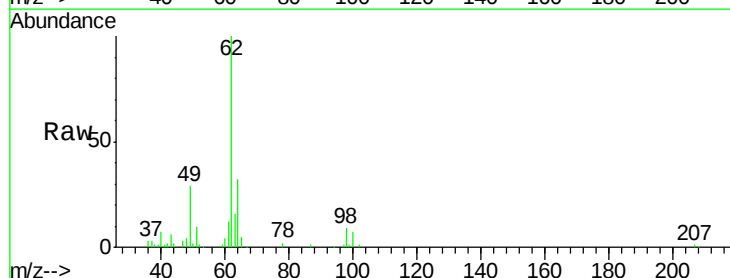
Manual Integrations
APPROVED

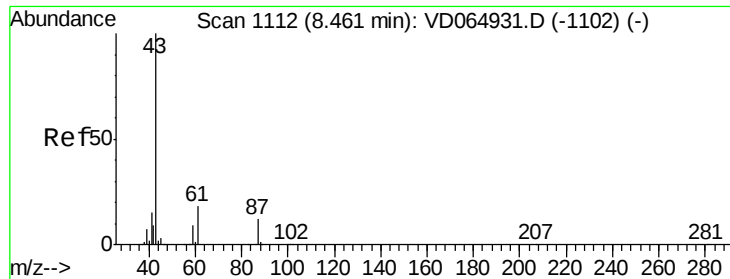
MMDadoda
1/30/2020 10:27:09 AM



#42
1,2-Dichloroethane
Concen: 19.534 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	17.8





#43

Isopropyl Acetate

Concen: 18.588 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

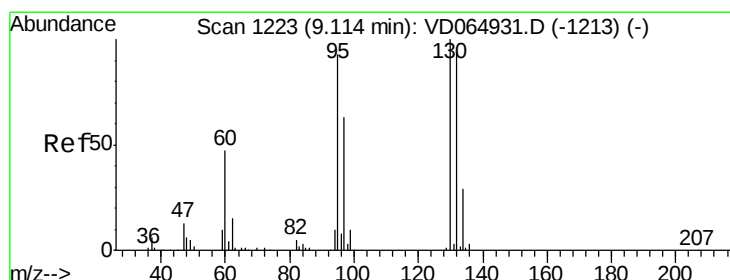
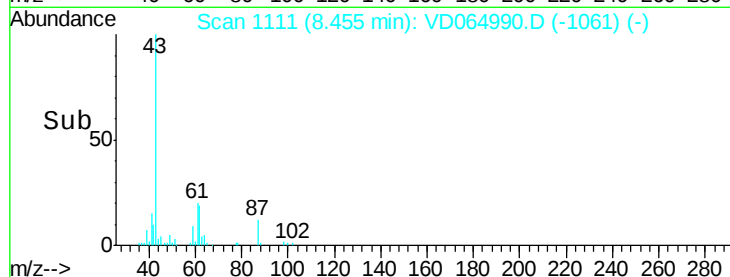
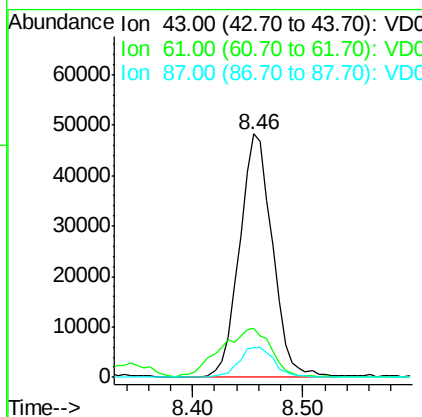
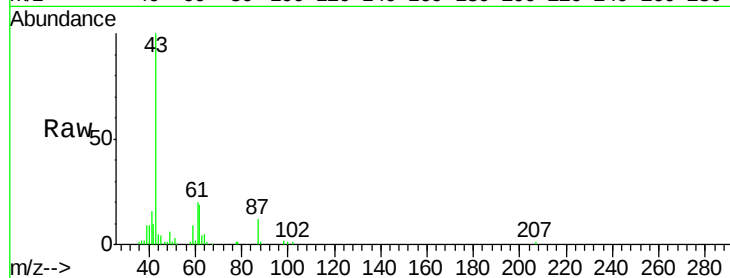
ClientSampleId :

VD0129SBS01

Tot Ion:	43	Resp:	101428
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.8	35.6
87	13.0	10.3	15.5

Manual Integrations
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#44

Trichloroethene

Concen: 20.622 ug/l

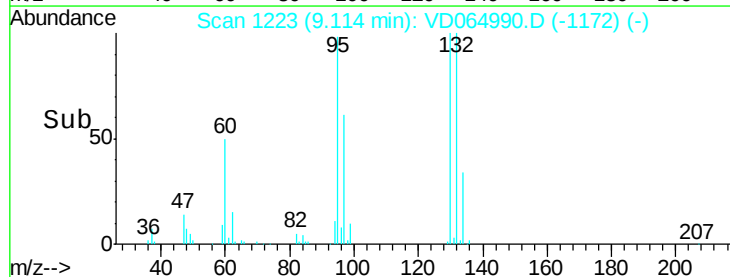
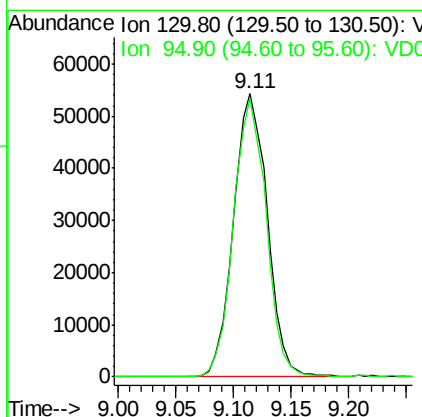
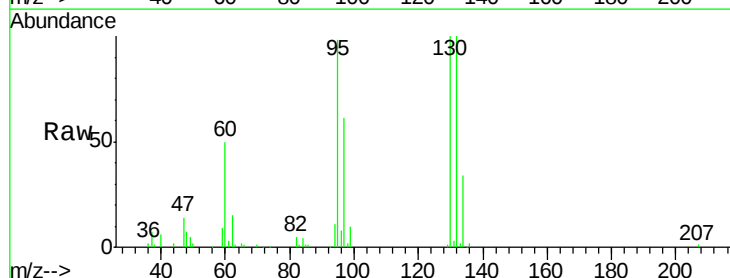
RT: 9.11 min Scan# 1223

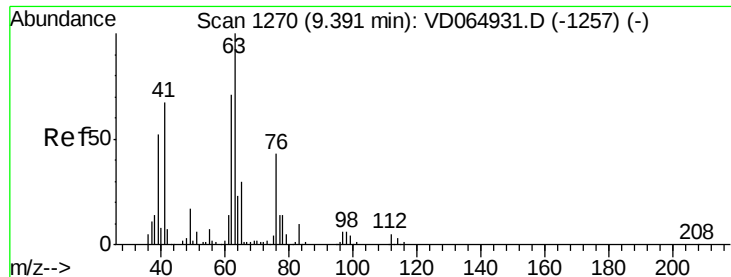
Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion:	130	Resp:	110549
Ion	Ratio	Lower	Upper
130	100		
95	98.3	0.0	185.8





#45

1,2-Dichloropropane

Concen: 20.540 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 63 Resp: 95375

Ion Ratio Lower Upper

63 100

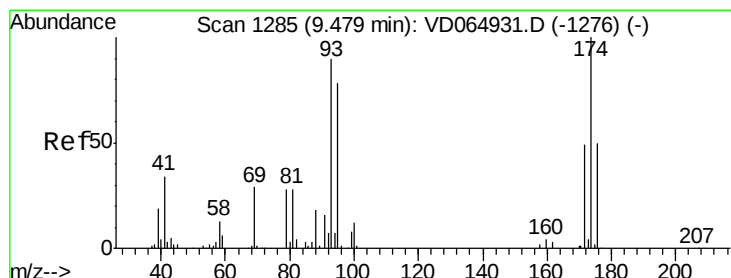
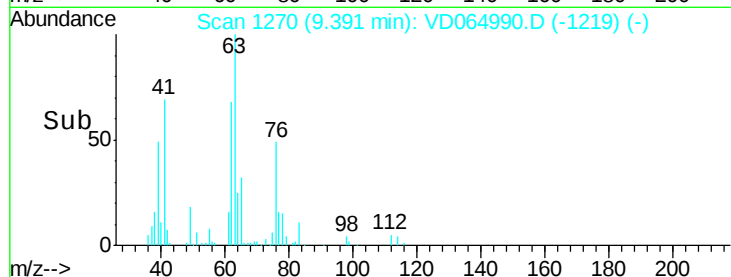
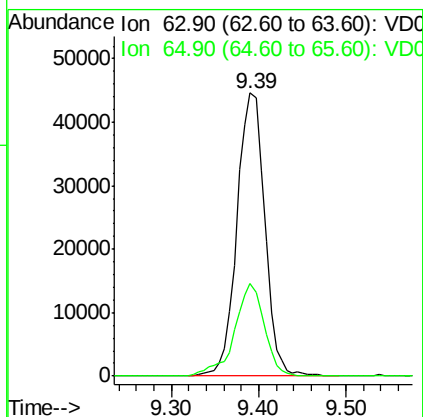
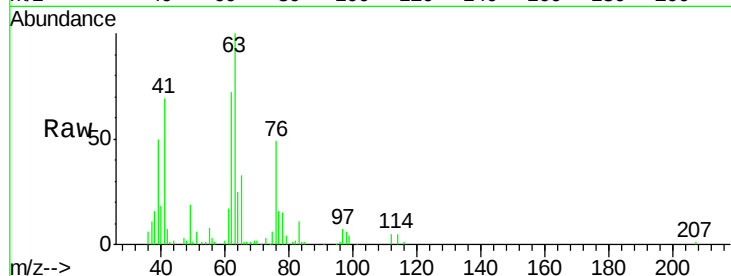
65 32.8 24.3 36.5

Manual Integrations

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#46

Dibromomethane

Concen: 19.316 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

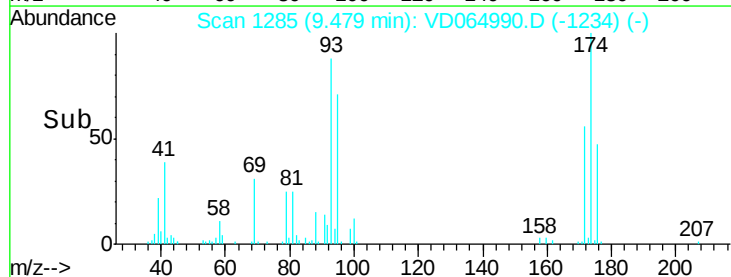
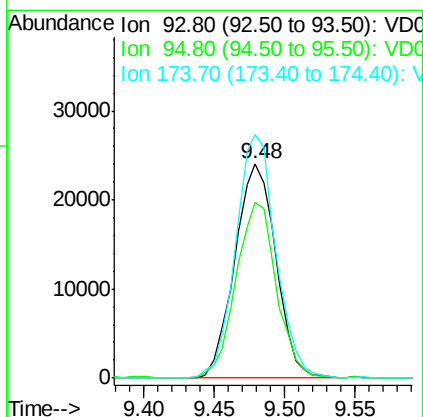
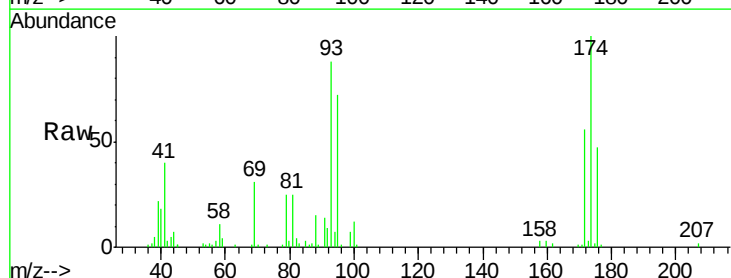
Tgt Ion: 93 Resp: 48969

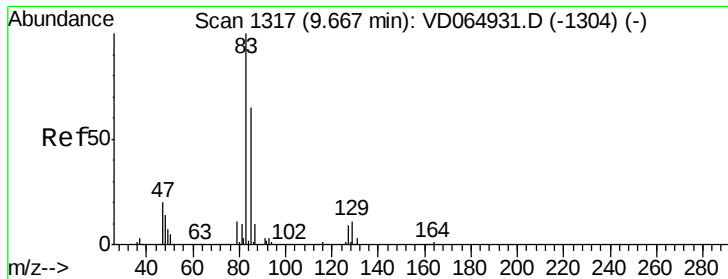
Ion Ratio Lower Upper

93 100

95 80.9 67.5 101.3

174 110.9 88.4 132.6





#47

Bromodichloromethane

Concen: 20.429 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

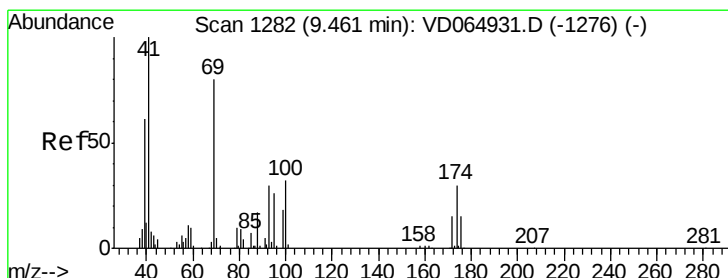
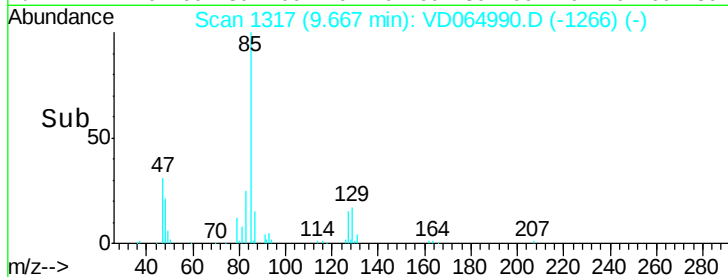
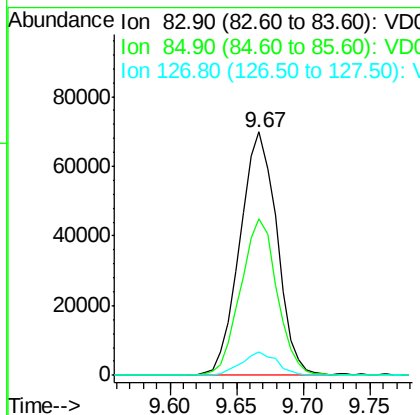
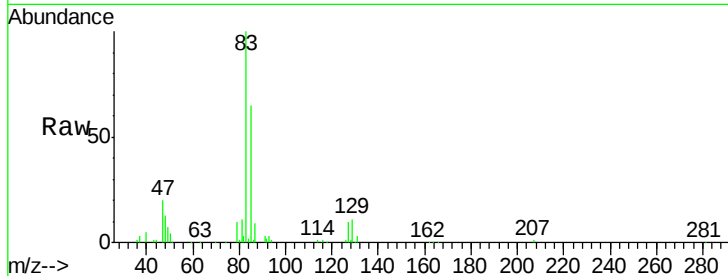
ClientSampleId :

VD0129SBS01

Tot Ion:	83	Resp:	134762
Ion	Ratio	Lower	Upper
83	100		
85	64.5	52.0	78.0
127	9.6	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.540 ug/l

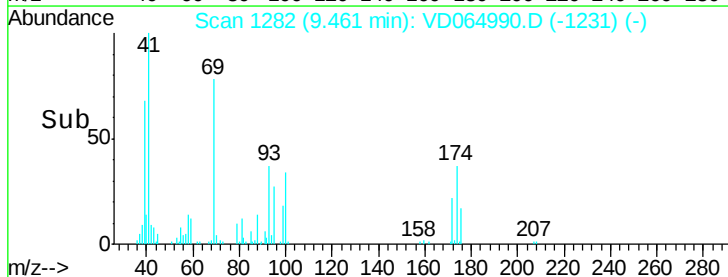
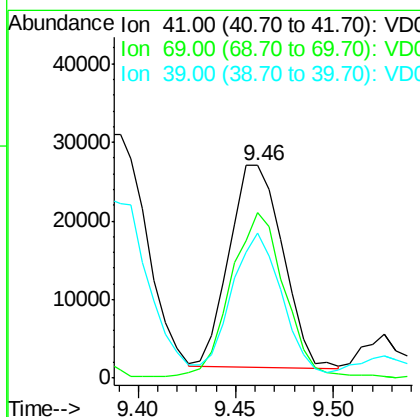
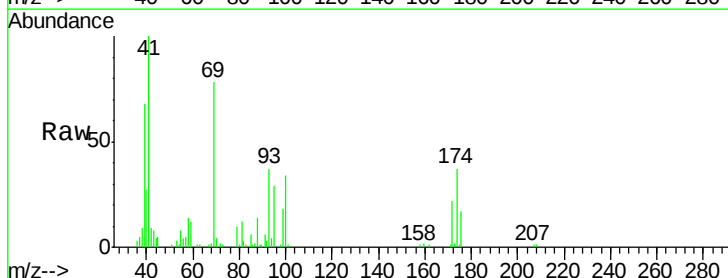
RT: 9.46 min Scan# 1282

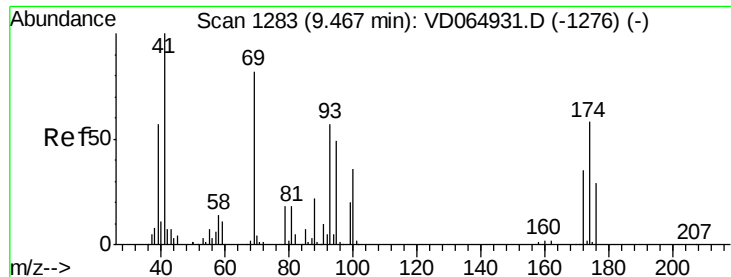
Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion:	41	Resp:	49068
Ion	Ratio	Lower	Upper
41	100		
69	82.8	65.8	98.8
39	62.9	49.4	74.0





#49

1,4-Dioxane

Concen: 354.164 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

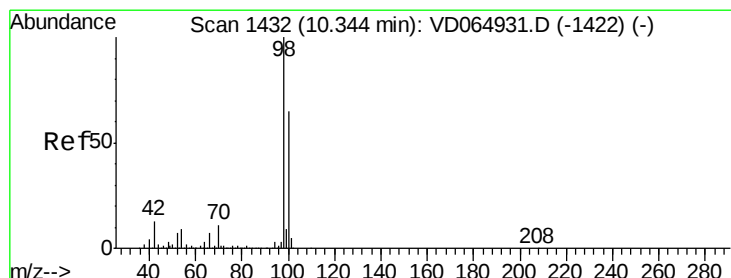
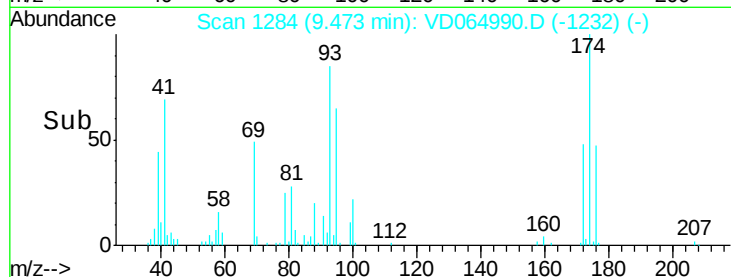
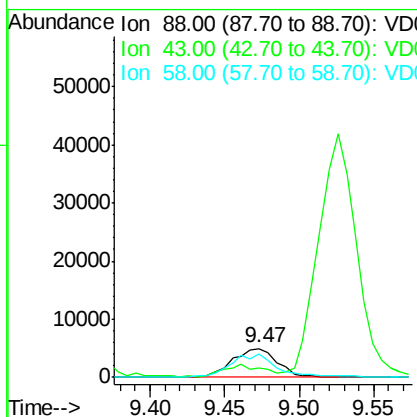
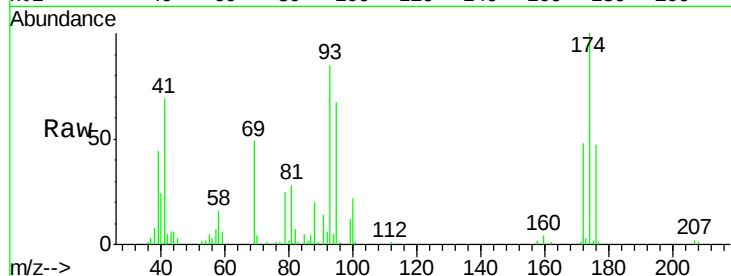
ClientSampleId :

VD0129SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	26.2	39.4#
58	80.6	50.3	75.5#

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#50

Toluene-d8

Concen: 48.561 ug/l

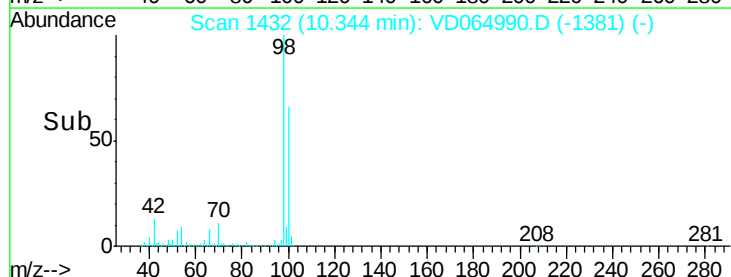
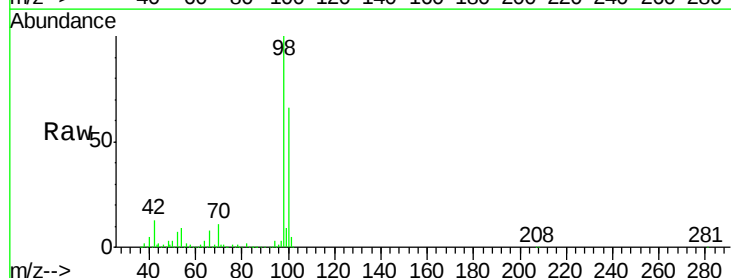
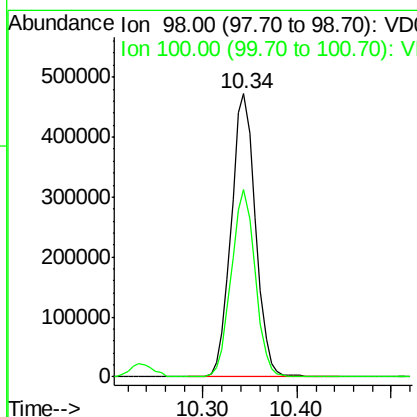
RT: 10.34 min Scan# 1432

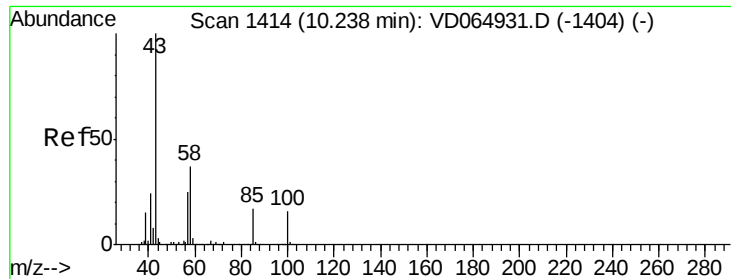
Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5





#51

4-Methyl-2-Pentanone

Concen: 93.450 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 43 Resp: 255152

Ion Ratio Lower Upper

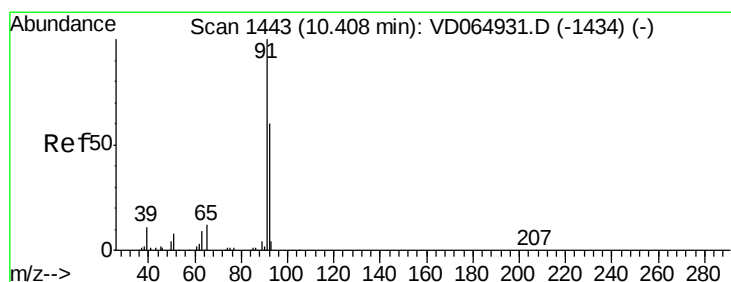
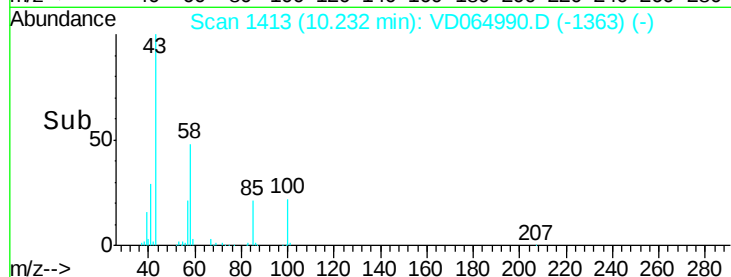
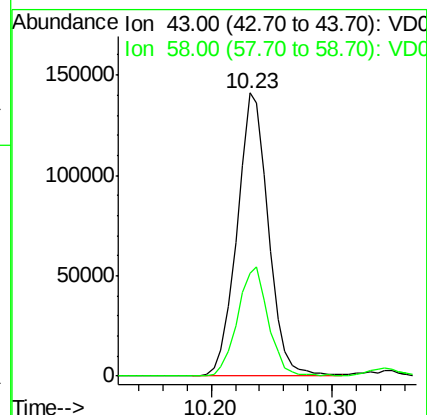
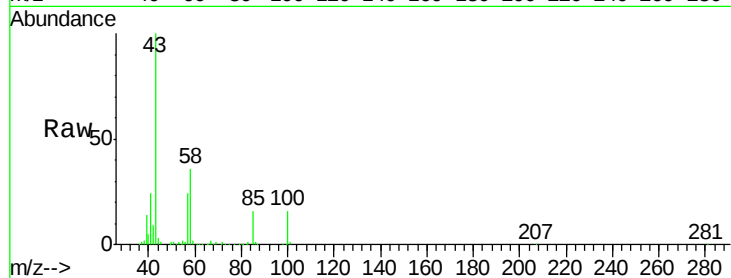
43 100

58 37.9 30.4 45.6

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#52

Toluene

Concen: 20.111 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064990.D

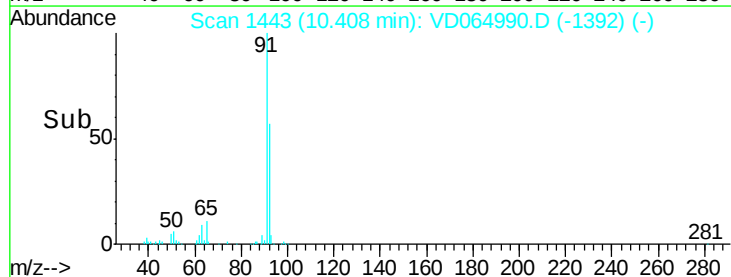
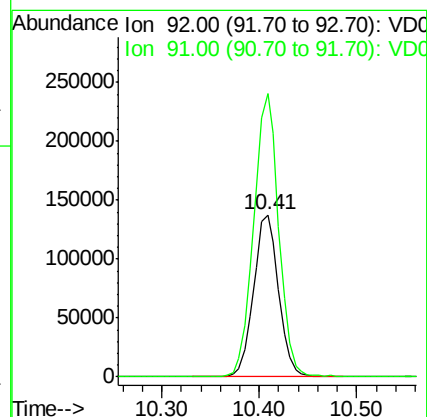
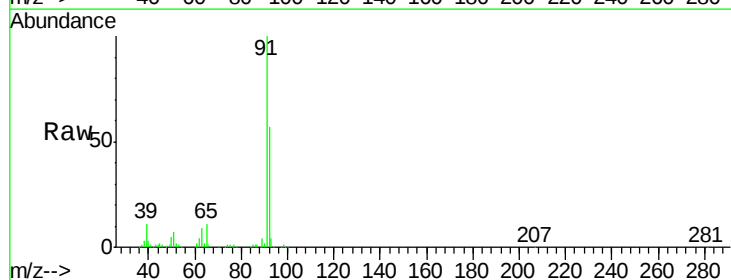
Acq: 29 Jan 2020 12:00

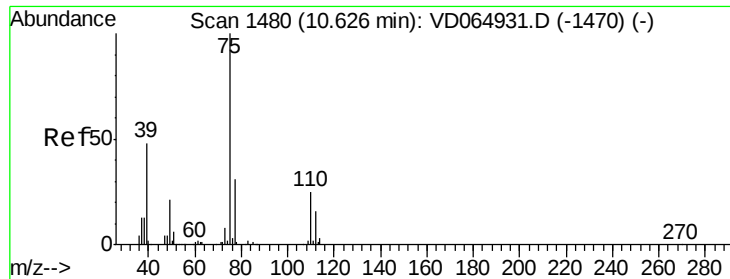
Tgt Ion: 92 Resp: 248357

Ion Ratio Lower Upper

92 100

91 174.7 136.8 205.2





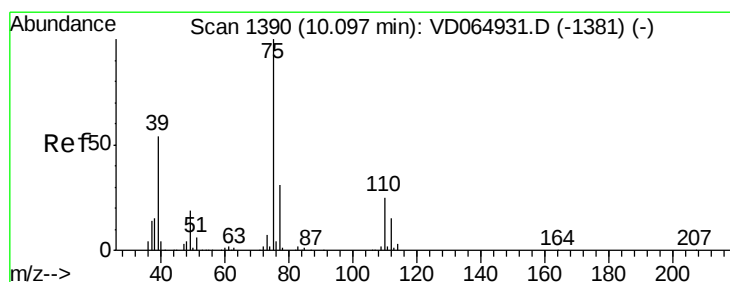
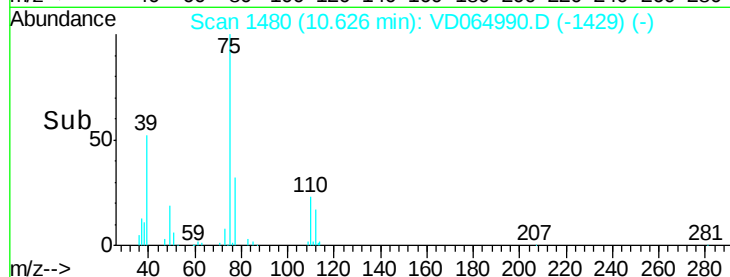
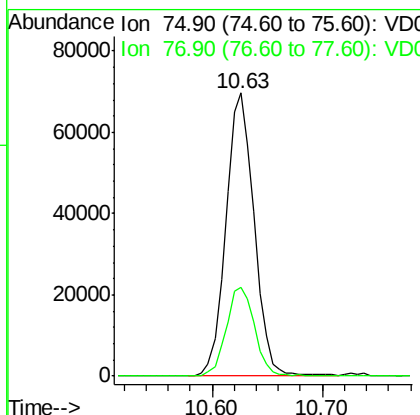
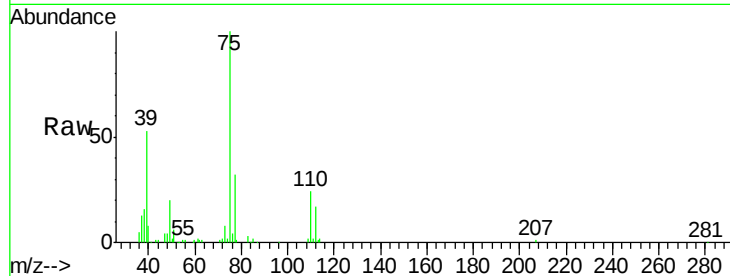
#53
t-1,3-Dichloropropene
Concen: 19.819 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.0	37.6

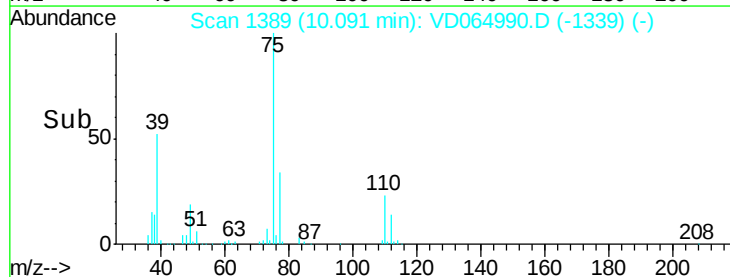
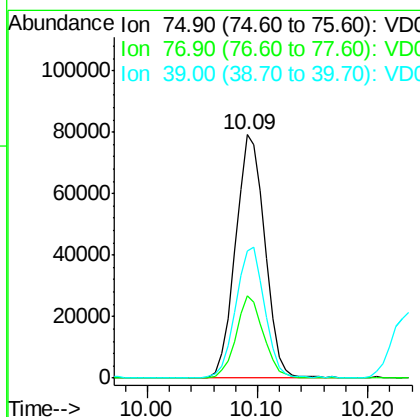
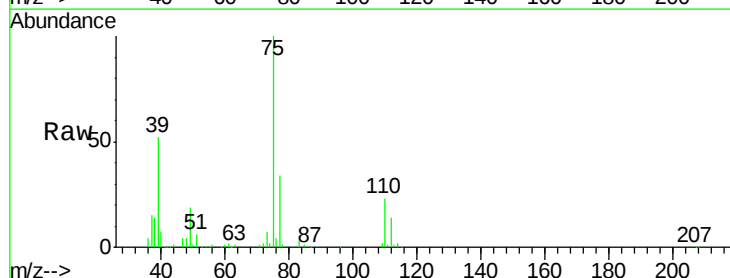
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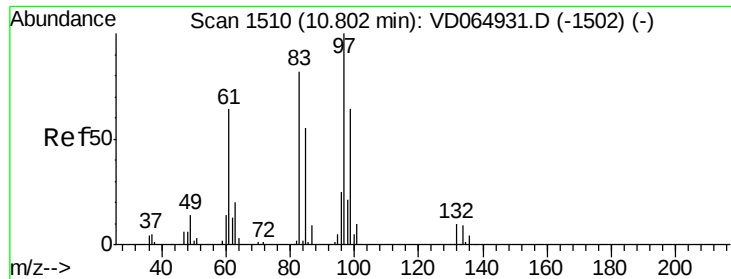
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 20.114 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	34.0	25.1	37.7
39	52.2	43.0	64.6





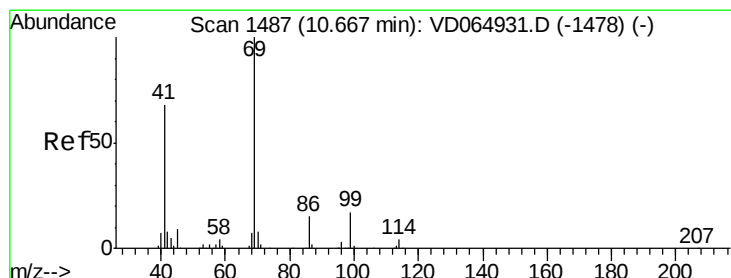
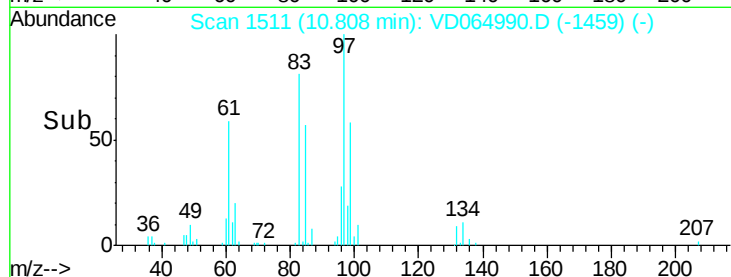
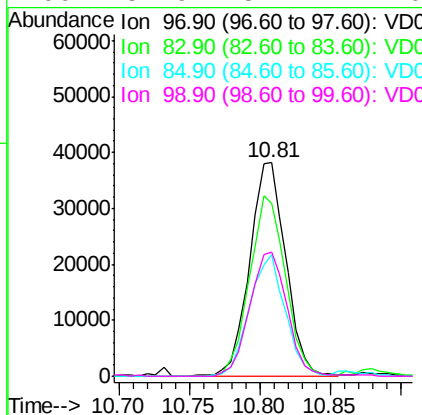
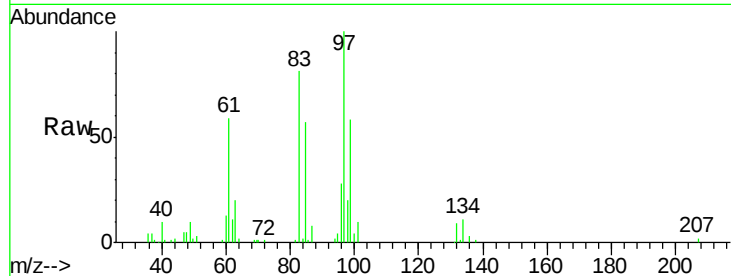
#55
 1,1,2-Trichloroethane
 Concen: 20.184 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion:	97	Resp:	68924
Ion	Ratio	Lower	Upper
97	100		
83	80.8	66.0	99.0
85	56.8	44.4	66.6
99	57.9	51.4	77.0

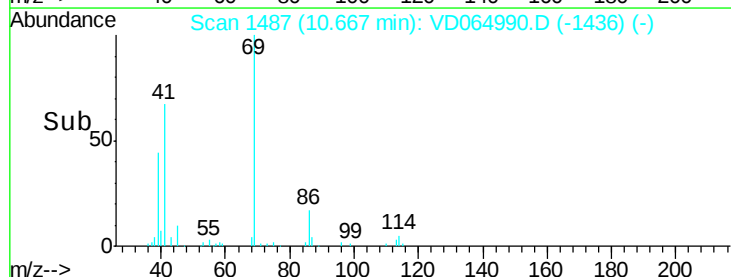
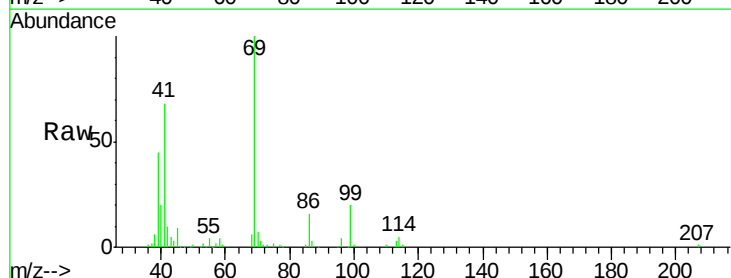
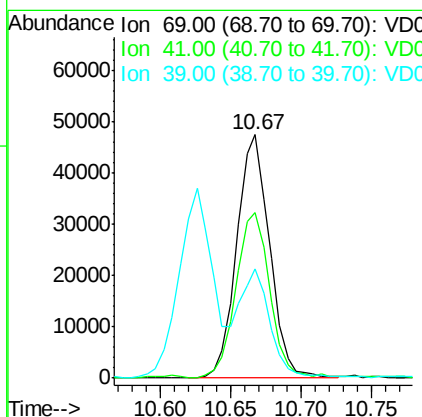
Manual Integrations
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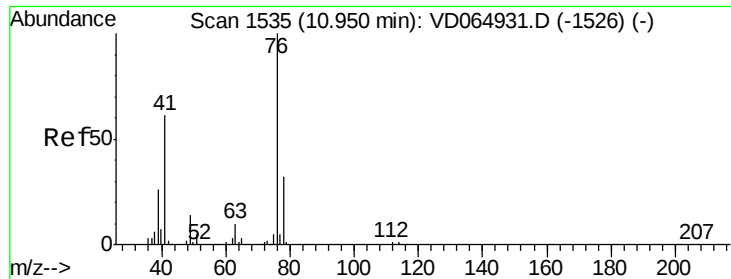
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 1/30/2020 10:27:09 AM



#56
 Ethyl methacrylate
 Concen: 18.974 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion:	69	Resp:	77478
Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.4	84.6
39	39.8	30.6	46.0





#57

1,3-Dichloropropane

Concen: 19.865 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 76 Resp: 116350

Ion Ratio Lower Upper

76 100

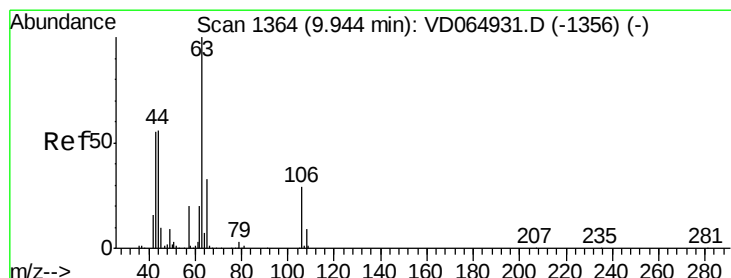
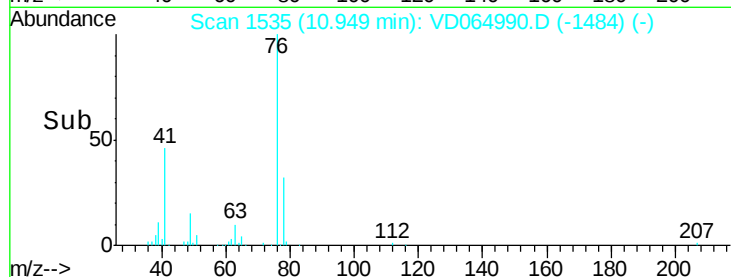
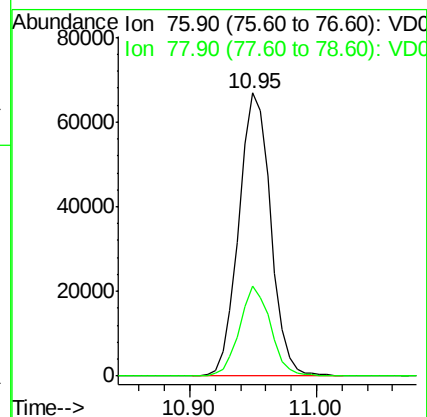
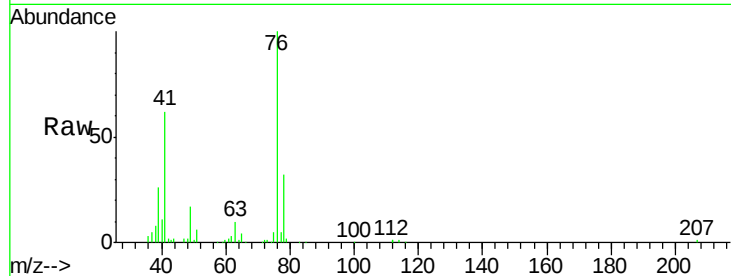
78 31.4 25.7 38.5

Manual Integrations

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MMDadoda

1/30/2020 10:27:09 AM



#58

2-Chloroethyl Vinyl ether

Concen: 93.837 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064990.D

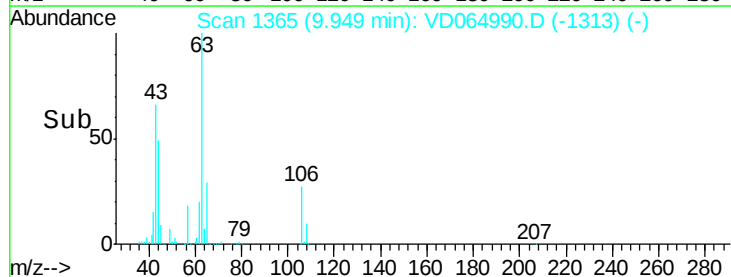
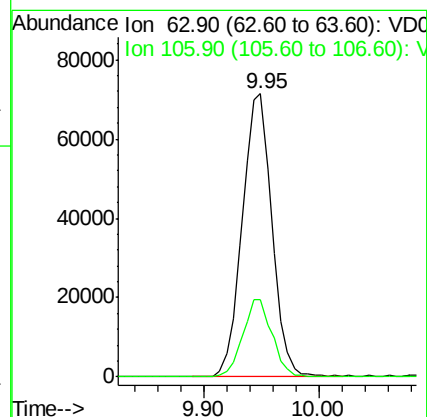
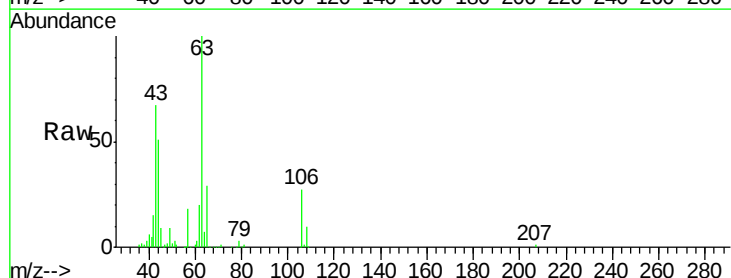
Acq: 29 Jan 2020 12:00

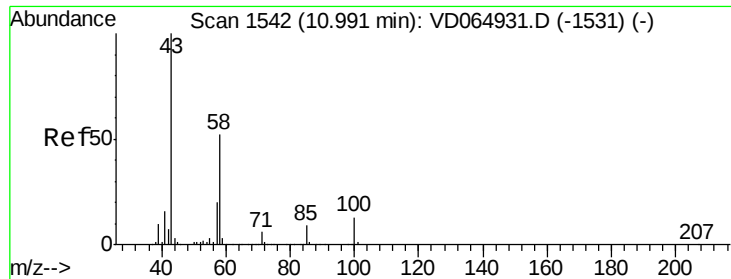
Tgt Ion: 63 Resp: 127302

Ion Ratio Lower Upper

63 100

106 26.9 23.0 34.4





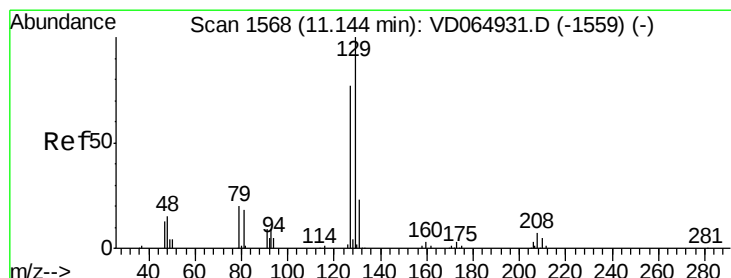
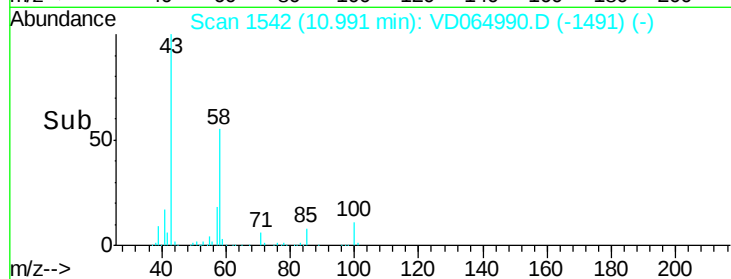
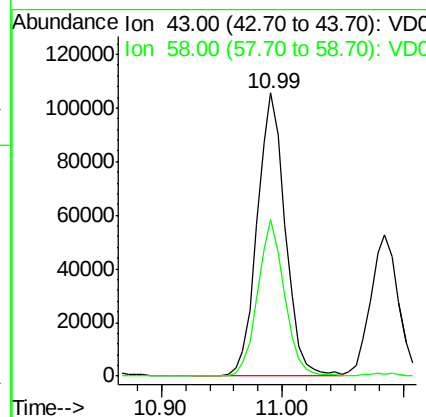
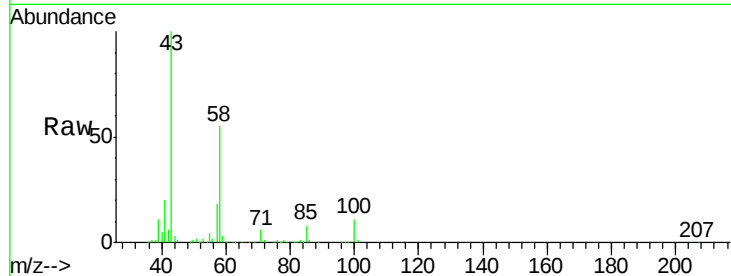
#59
2-Hexanone
Concen: 91.358 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion: 43 Resp: 172057
Ion Ratio Lower Upper
43 100
58 52.7 26.5 79.4

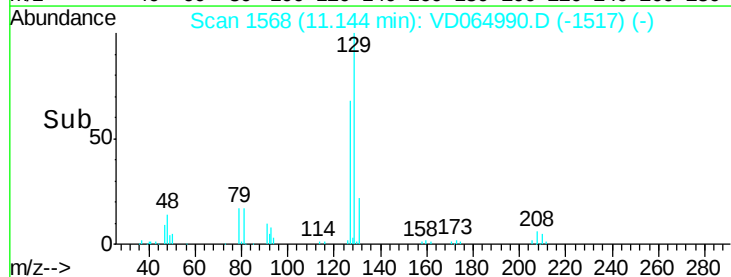
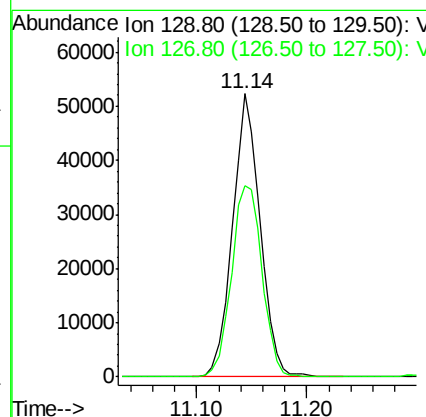
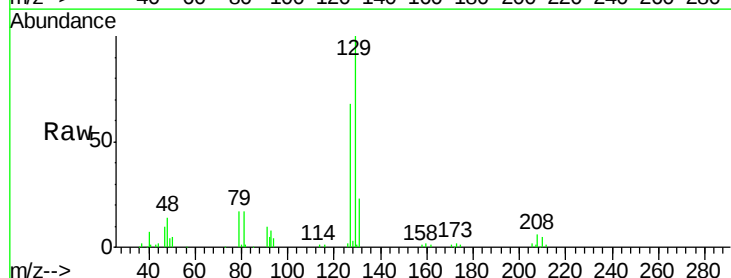
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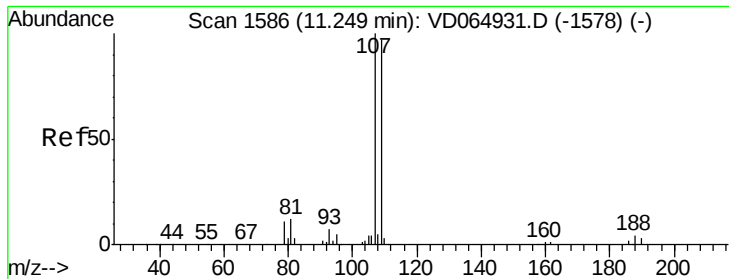
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#60
Dibromochloromethane
Concen: 20.112 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 129 Resp: 91793
Ion Ratio Lower Upper
129 100
127 74.5 38.2 114.6





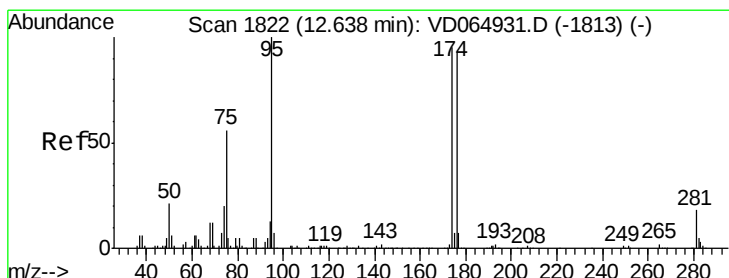
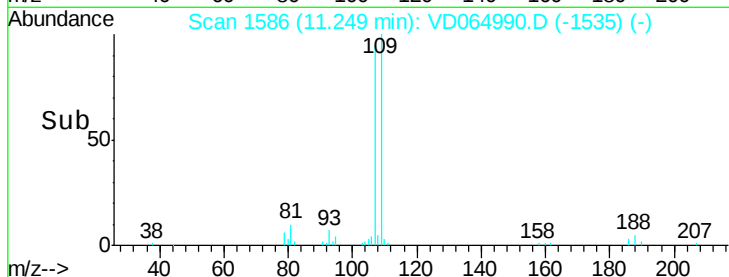
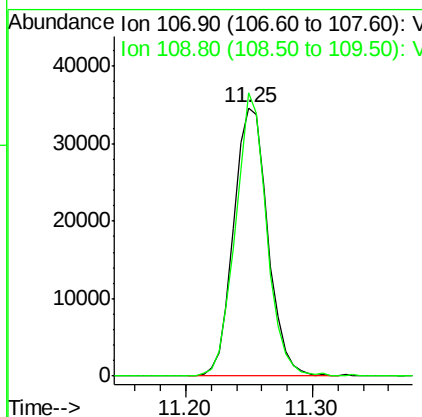
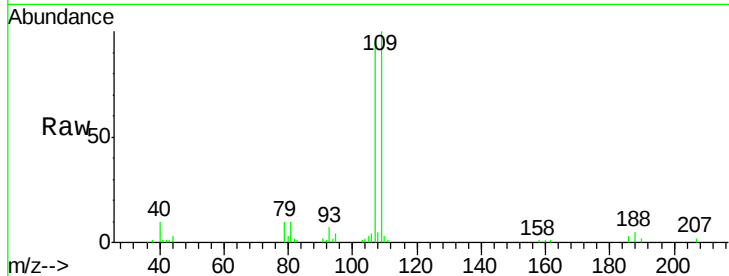
#61
1,2-Dibromoethane
Concen: 19.662 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion: 107 Resp: 64649
Ion Ratio Lower Upper
107 100
109 96.1 77.1 115.7

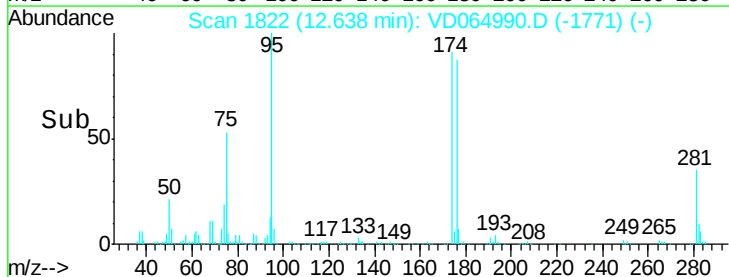
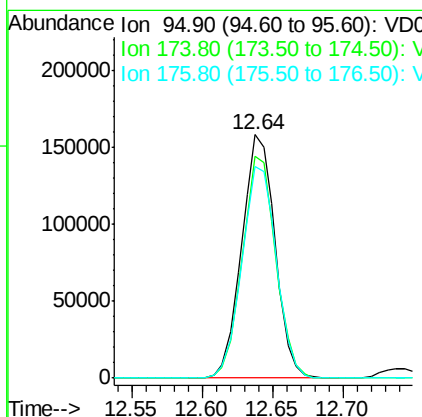
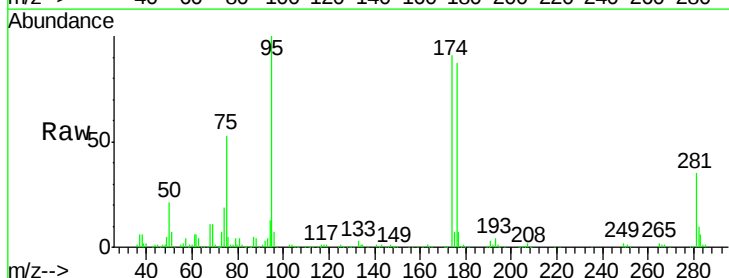
Manual Integrations
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#62
4-Bromofluorobenzene
Concen: 49.100 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion: 95 Resp: 262842
Ion Ratio Lower Upper
95 100
174 91.5 0.0 186.8
176 89.5 0.0 183.4





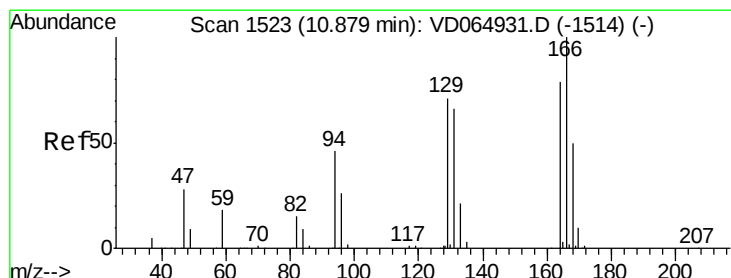
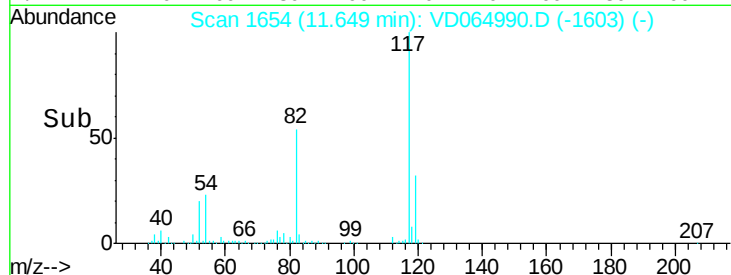
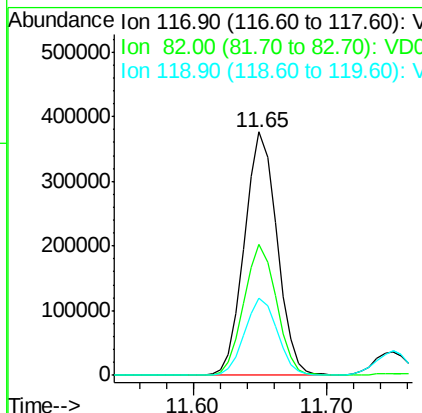
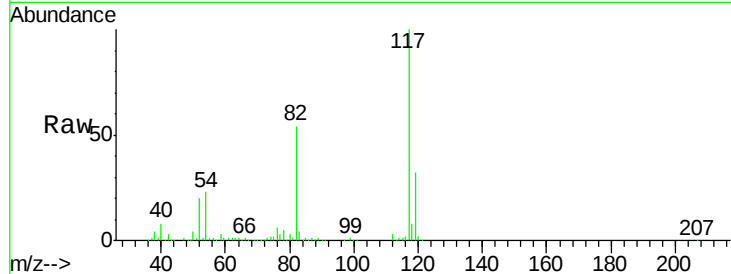
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	43.6	65.4
119	31.5	25.2	37.8

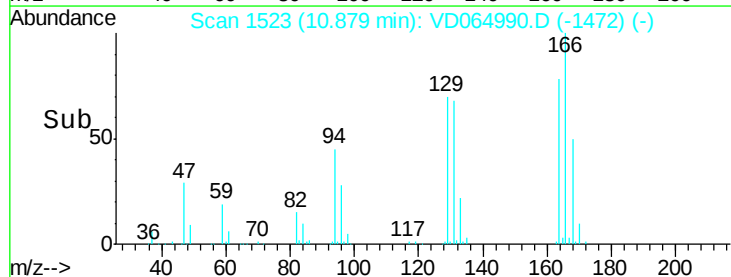
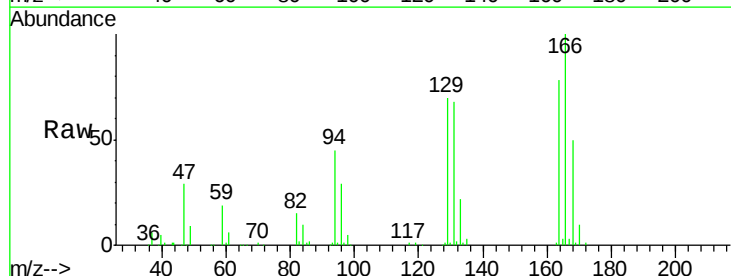
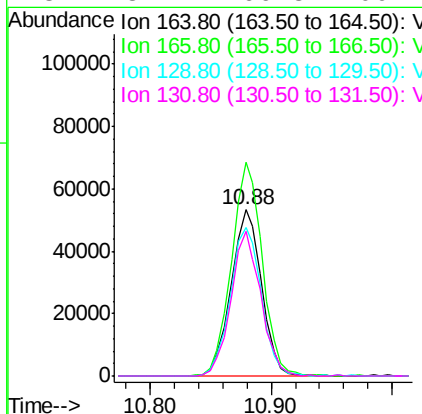
Manual Integrations
APPROVED

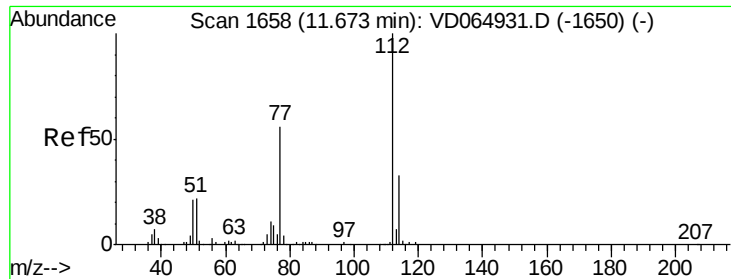
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#64
Tetrachloroethene
Concen: 20.386 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	101.4	152.2
129	89.7	71.8	107.8
131	87.4	66.8	100.2





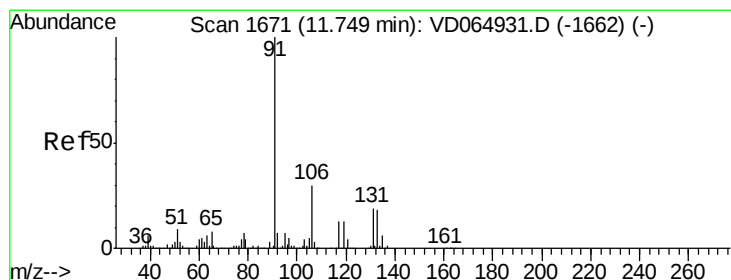
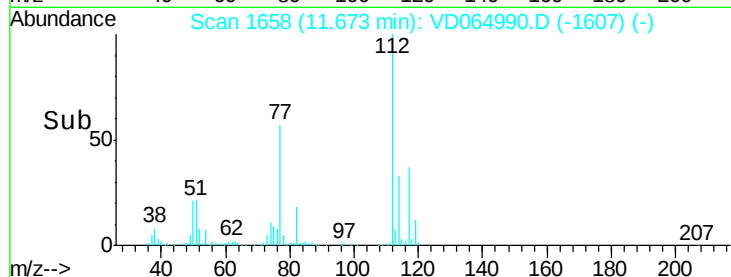
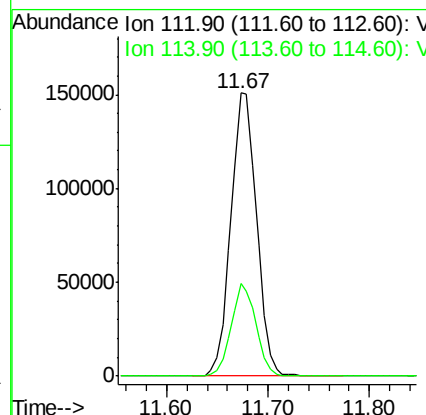
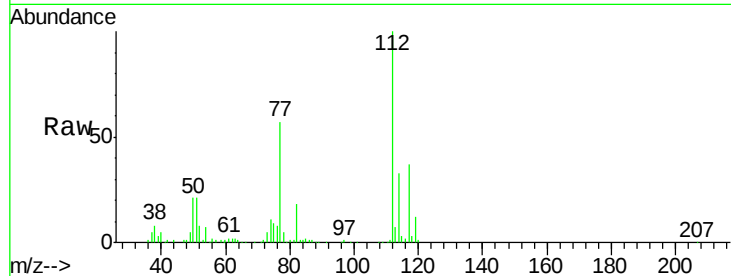
#65
Chlorobenzene
Concen: 20.606 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	266188		
114	32.5	26.2	39.4	

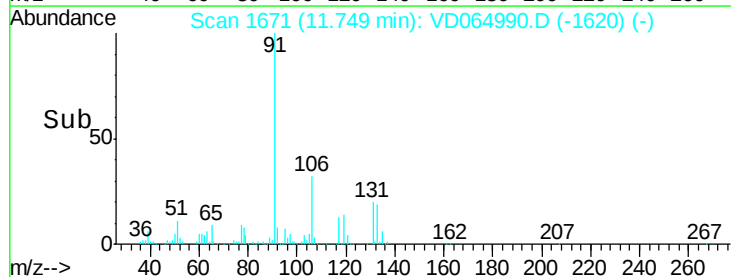
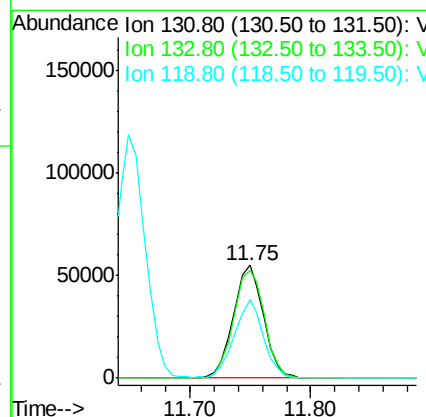
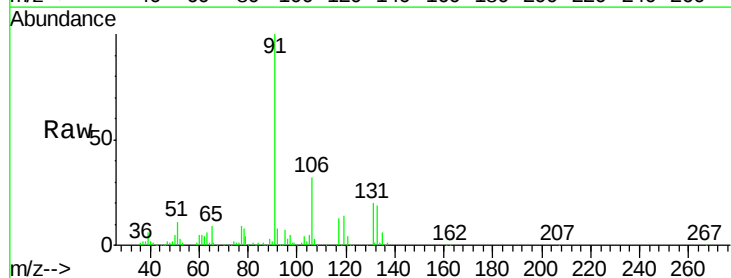
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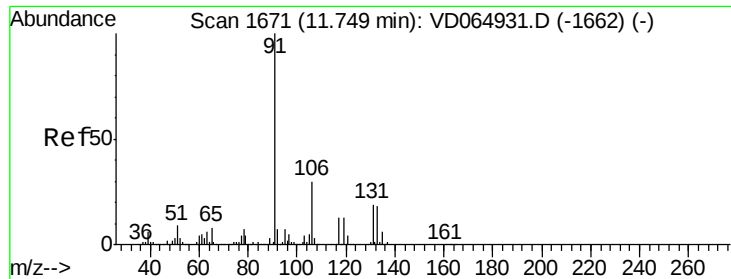
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.761 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	96002		
133	98.2	47.5	142.5	
119	66.7	31.1	93.5	





#67

Ethyl Benzene

Concen: 20.305 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 91 Resp: 465661

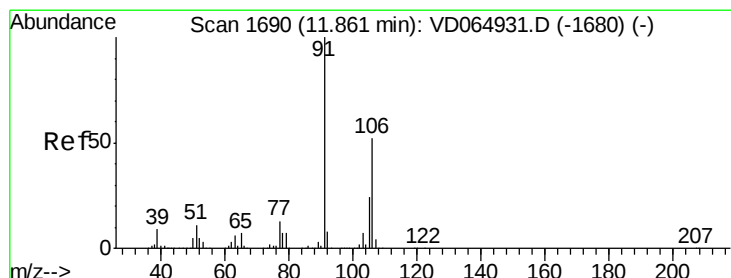
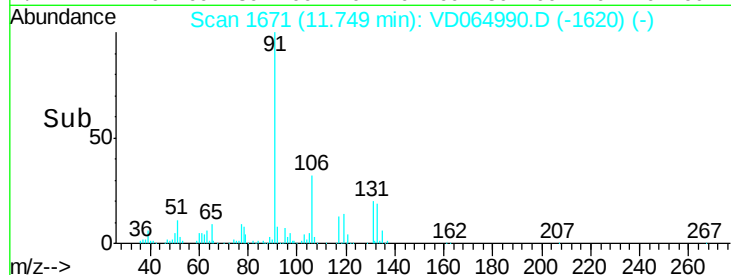
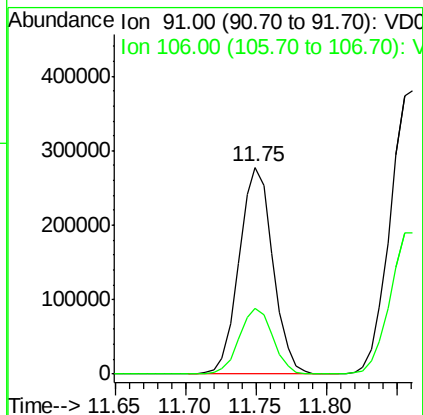
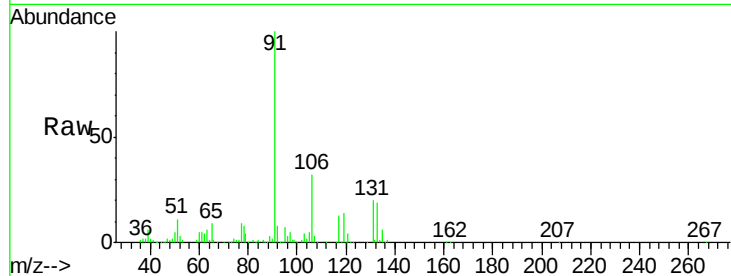
Ion Ratio Lower Upper

91 100

106 31.9 24.3 36.5

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#68

m/p-Xylenes

Concen: 41.125 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064990.D

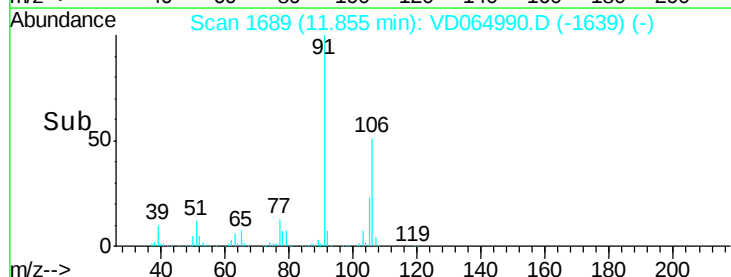
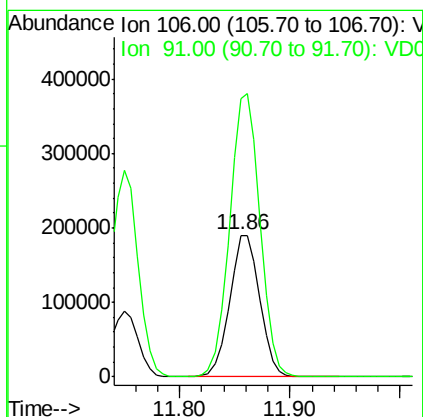
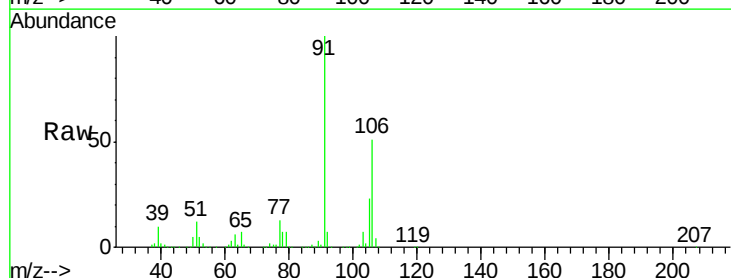
Acq: 29 Jan 2020 12:00

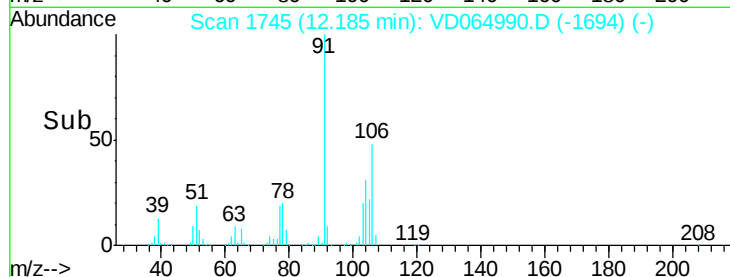
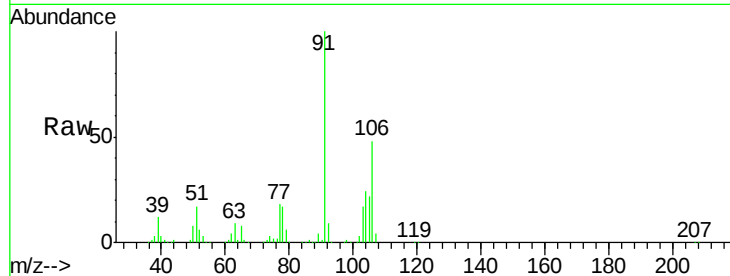
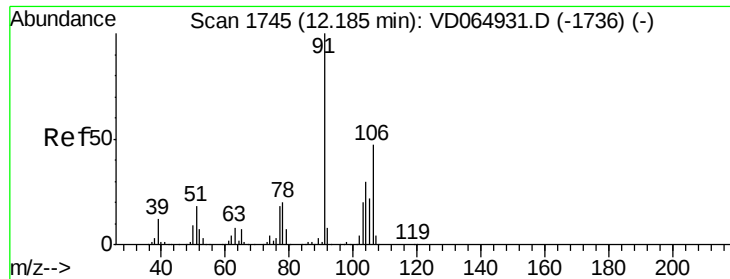
Tgt Ion: 106 Resp: 363130

Ion Ratio Lower Upper

106 100

91 201.0 159.0 238.4





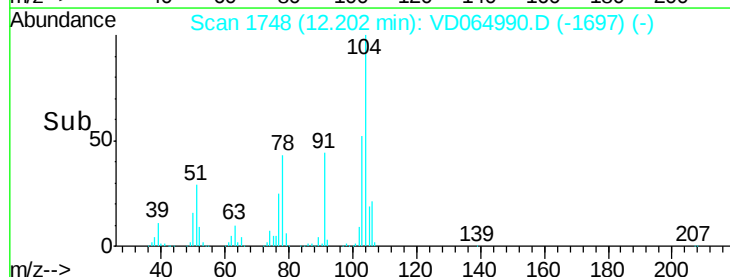
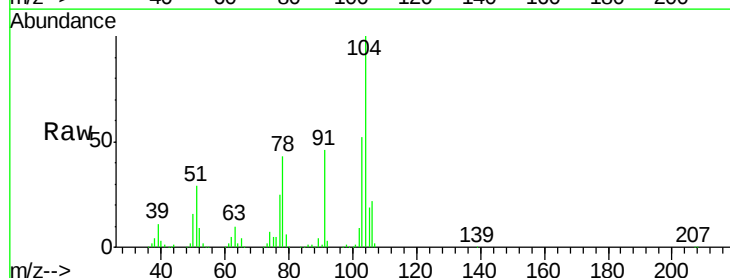
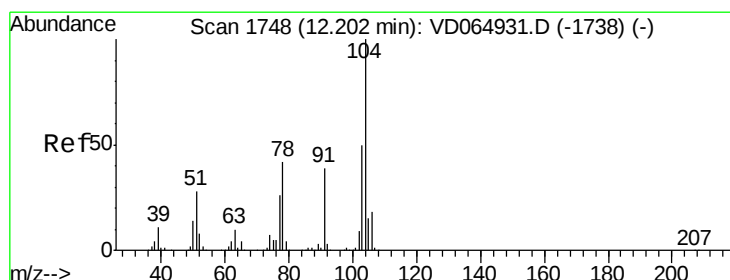
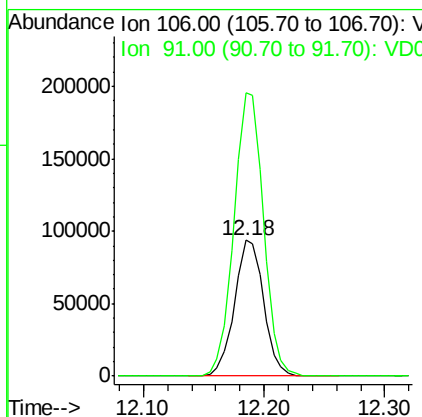
#69
o-Xylene
Concen: 20.213 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion:106 Resp: 158402
Ion Ratio Lower Upper
106 100
91 210.6 106.7 319.9

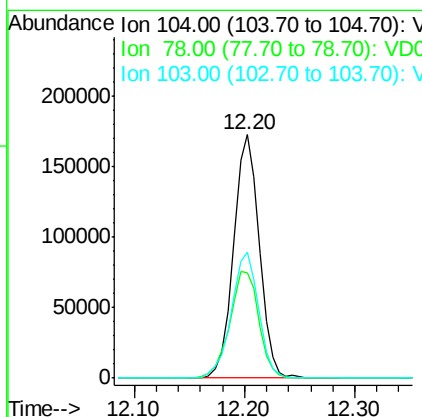
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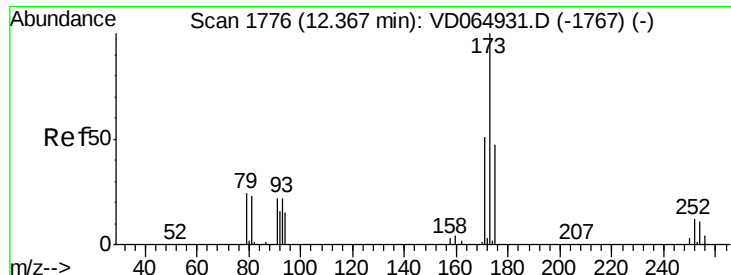
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#70
Styrene
Concen: 20.206 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion:104 Resp: 282073
Ion Ratio Lower Upper
104 100
78 49.8 38.3 57.5
103 54.9 43.5 65.3





#71

Bromoform

Concen: 19.873 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

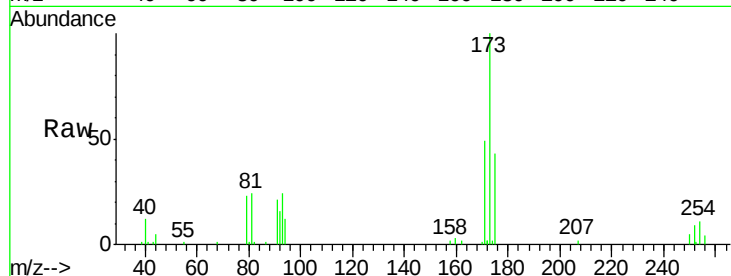
ClientSampleId :

VD0129SBS01

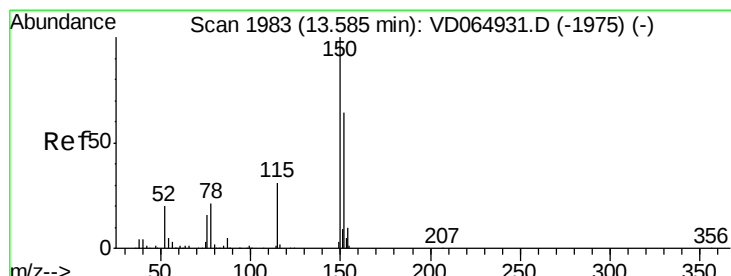
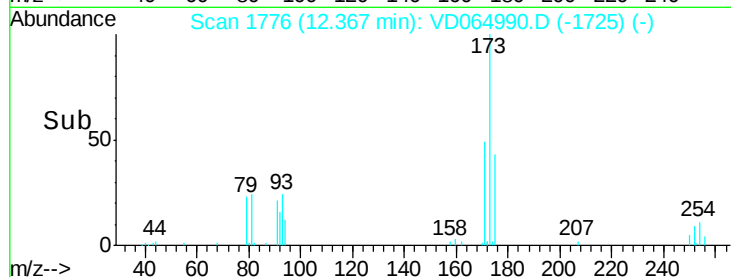
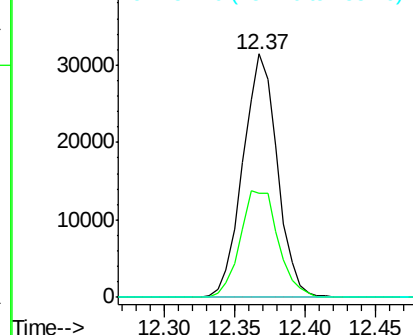
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.6	73.8
254	0.0	0.1	0.1#

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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

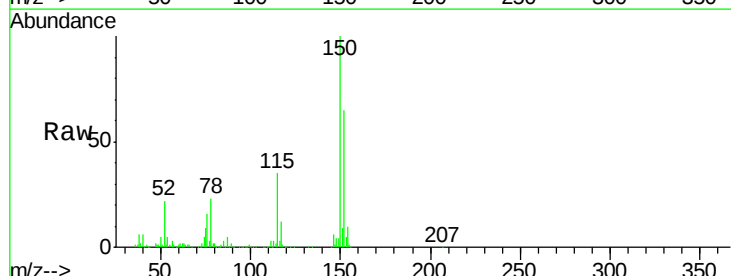
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

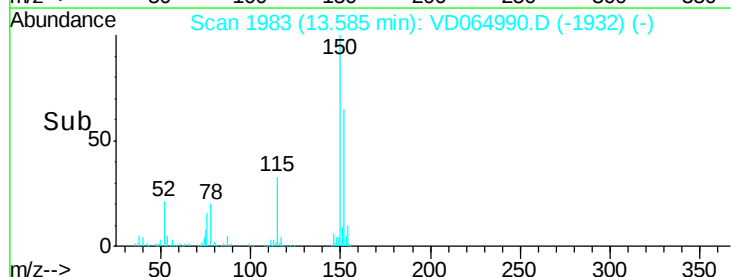
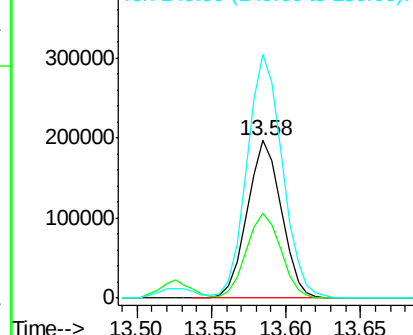
Lab File: VD064990.D

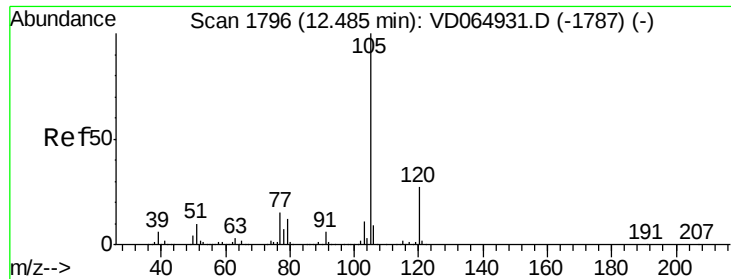
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	28.1	84.4
150	160.7	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





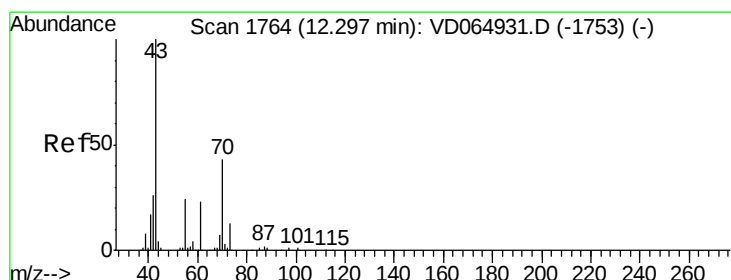
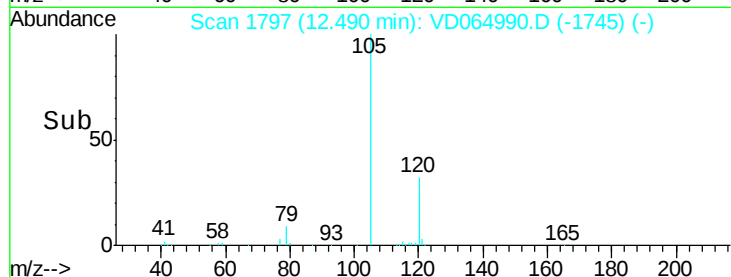
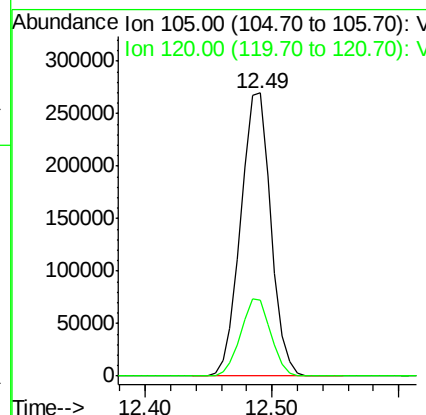
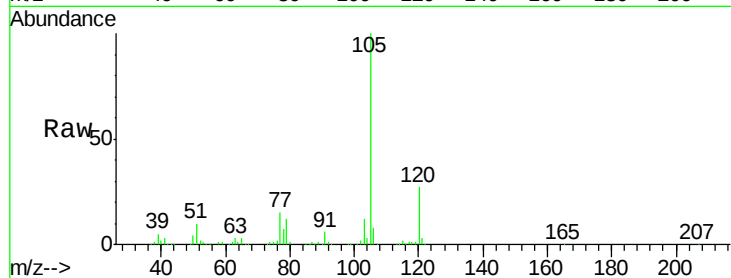
#73
Isopropylbenzene
Concen: 20.850 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. 0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	443699		
120	27.2		13.3	39.8

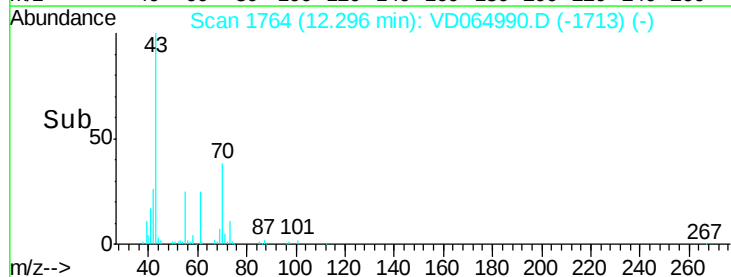
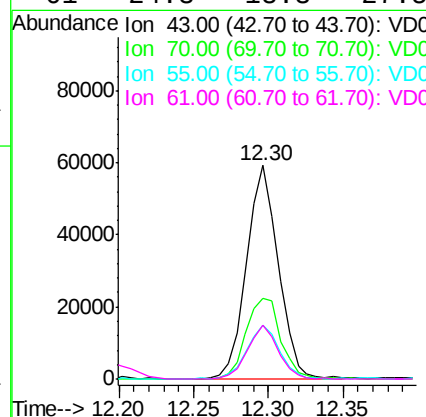
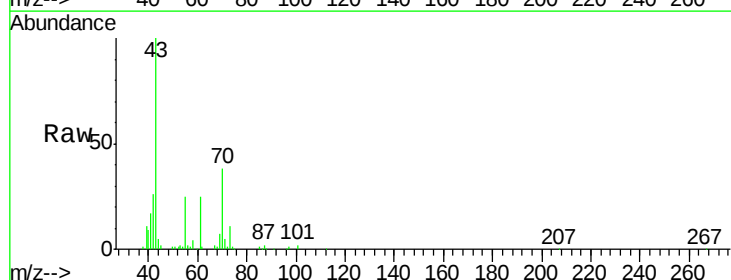
Manual Integrations
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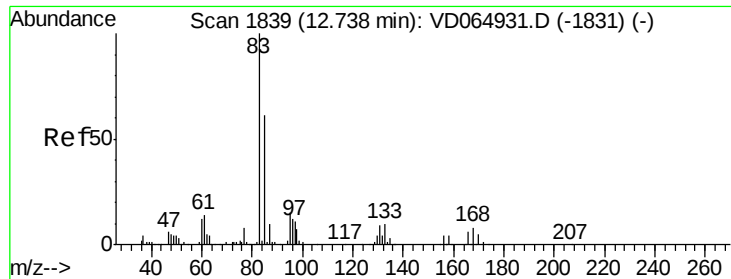
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#74
N-ethyl acetate
Concen: 18.320 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	87239		
70	41.6		32.6	49.0
55	25.7		19.9	29.9
61	24.3		18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.613 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

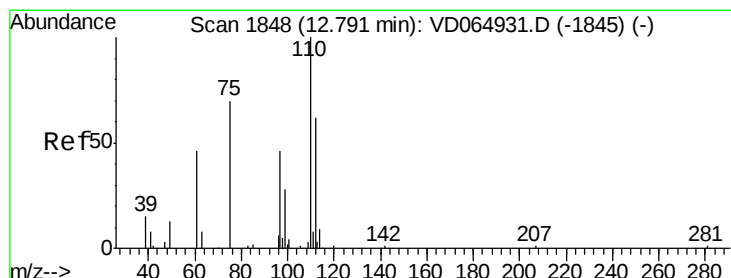
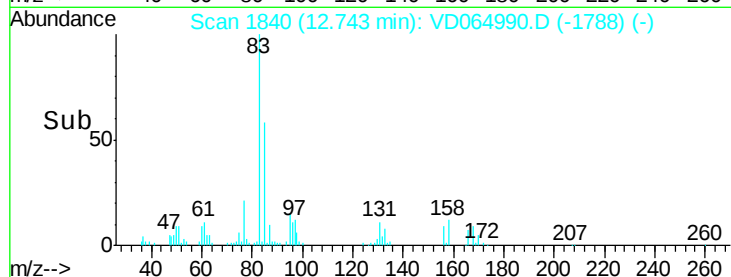
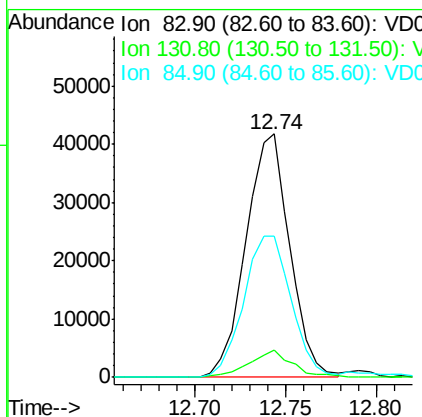
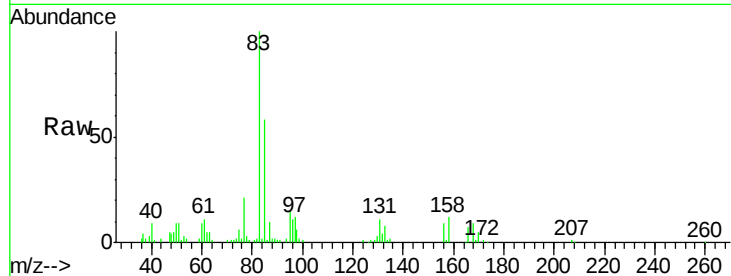
ClientSampleId :

VD0129SBS01

Tot Ion:	83	Resp:	70149
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	62.9	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 19.525 ug/l m

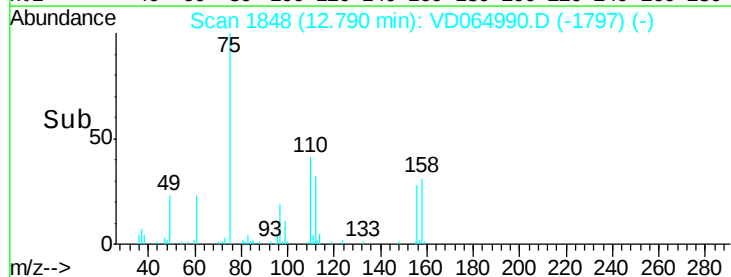
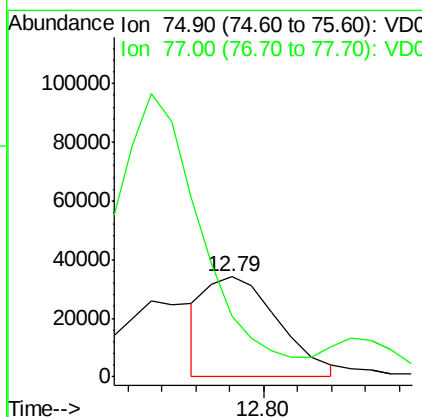
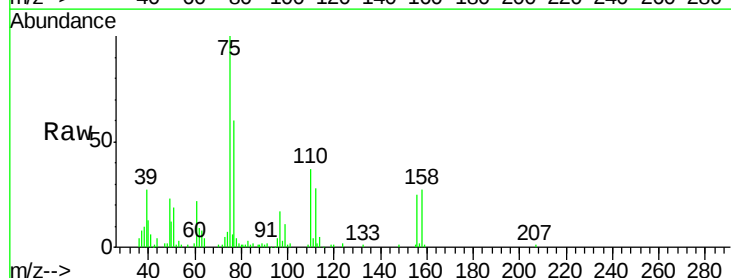
RT: 12.79 min Scan# 1848

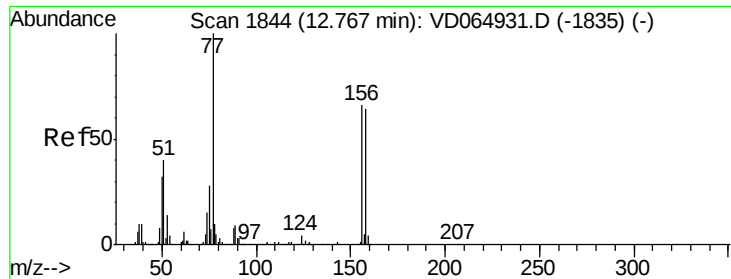
Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Tgt Ion:	75	Resp:	50458
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





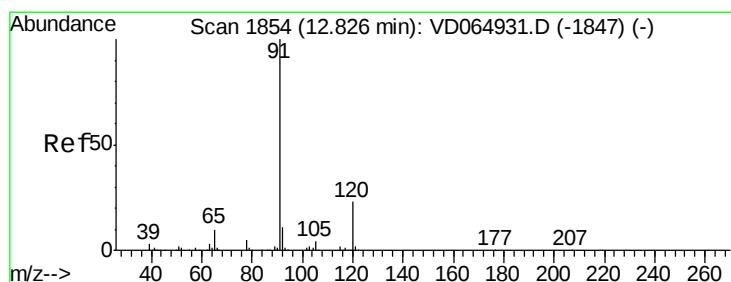
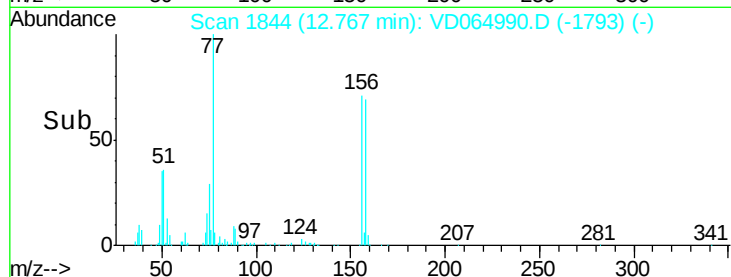
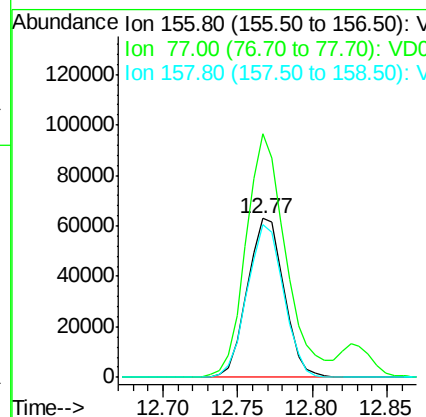
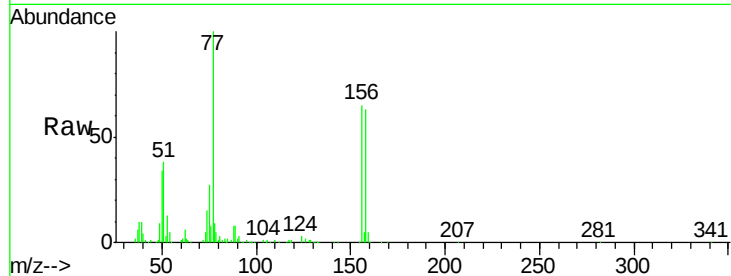
#77
Bromobenzene
Concen: 20.494 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	167.8	84.2	252.5
158	95.7	48.1	144.4

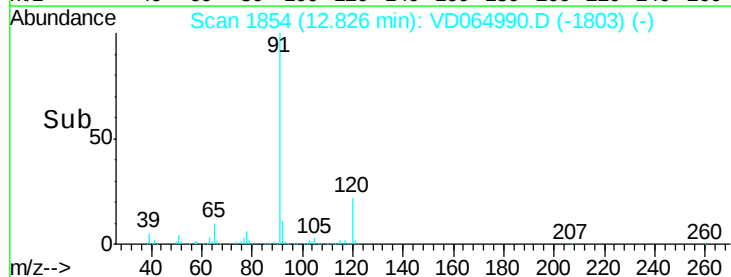
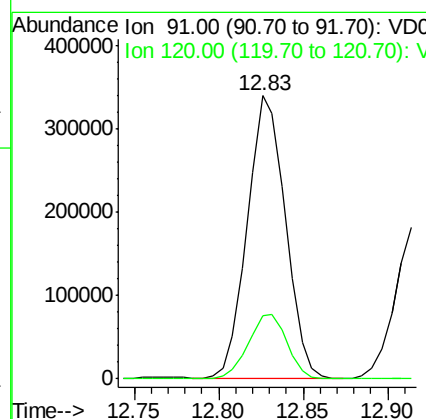
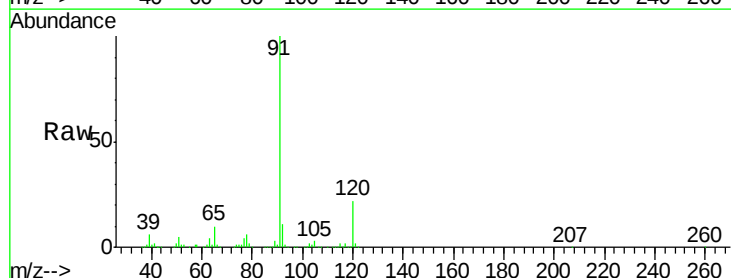
Manual Integrations
APPROVED

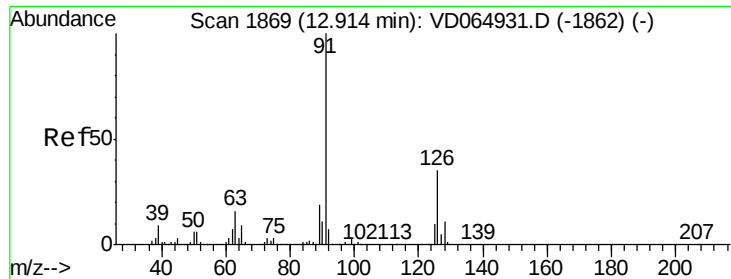
MMDadoda
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#78
n-propylbenzene
Concen: 21.079 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.7	35.1





#79

2-Chlorotoluene

Concen: 21.187 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 91 Resp: 294146

Ion Ratio Lower Upper

91 100

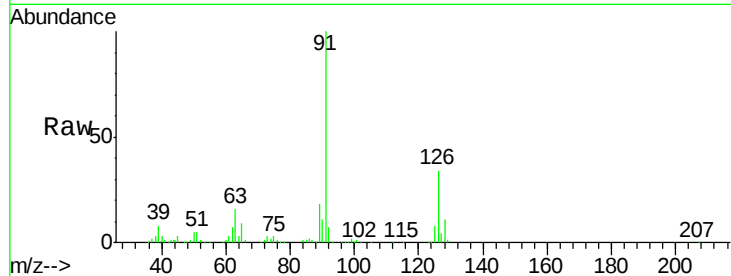
126 34.6 17.9 53.8

Manual Integrations

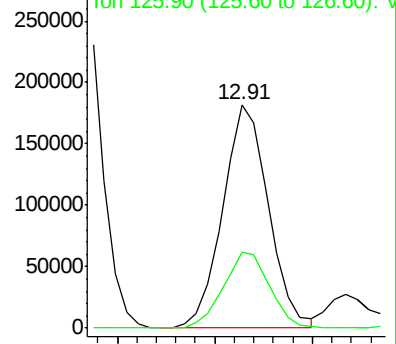
APPROVED

MMDadoda

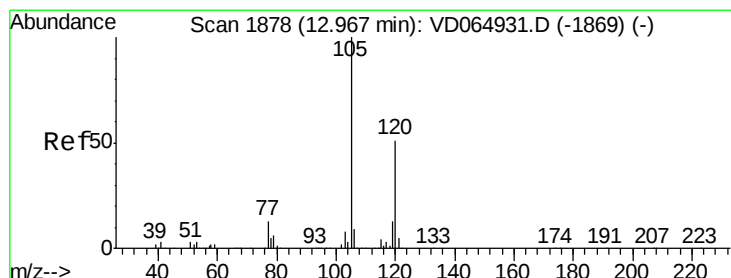
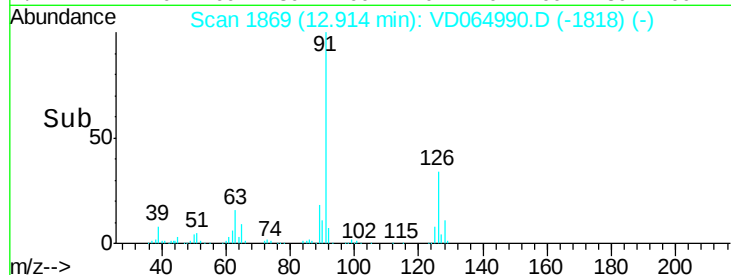
1/30/2020 10:27:09 AM



Abundance Ion 91.00 (90.70 to 91.70): VD064990.D (-1818) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.119 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064990.D

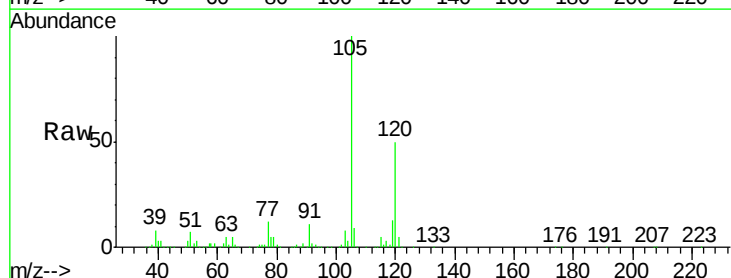
Acq: 29 Jan 2020 12:00

Tgt Ion: 105 Resp: 368303

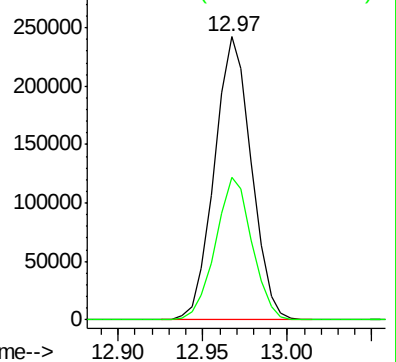
Ion Ratio Lower Upper

105 100

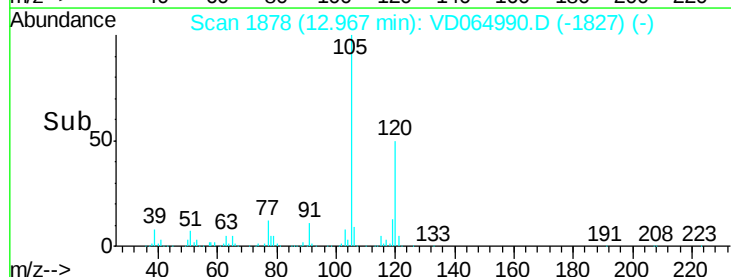
120 50.0 25.6 76.8

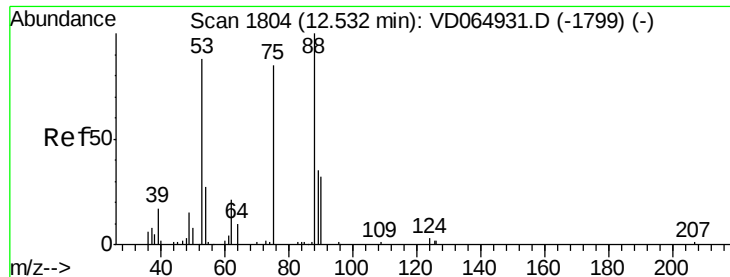


Abundance Ion 105.00 (104.70 to 105.70): VD064990.D (-1827) (-)



Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.180 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion: 75 Resp: 22003

Ion Ratio Lower Upper

75 100

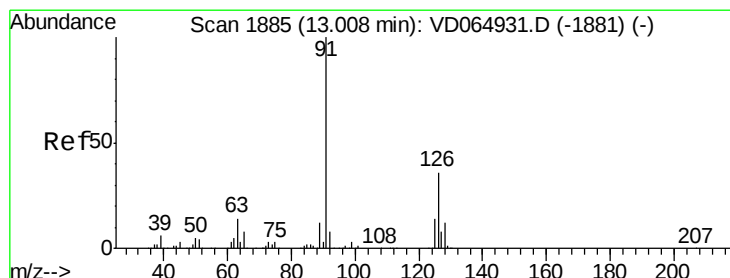
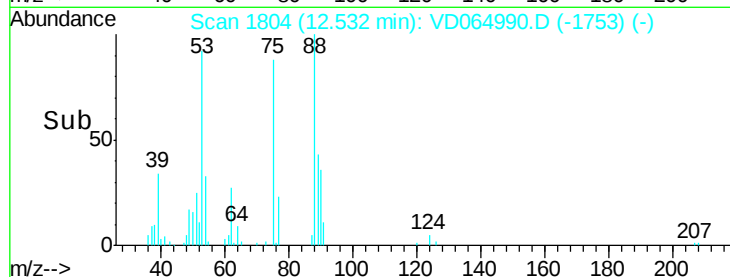
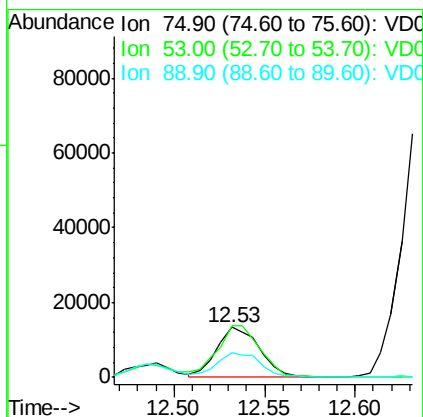
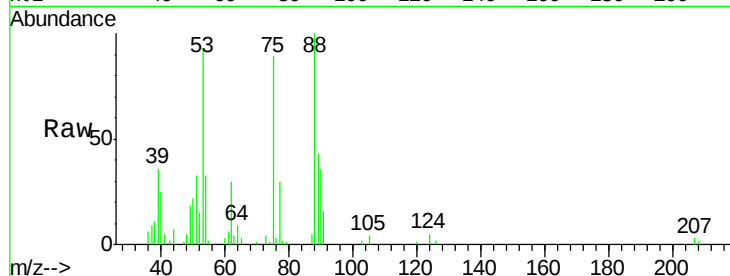
53 103.2 81.0 121.4

89 50.4 36.2 54.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.201 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.01 min

Lab File: VD064990.D

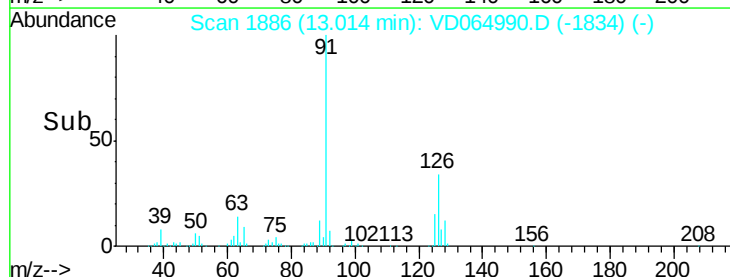
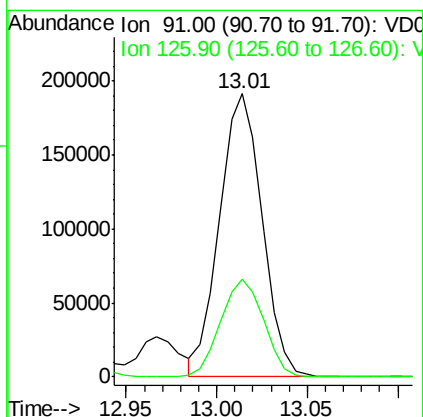
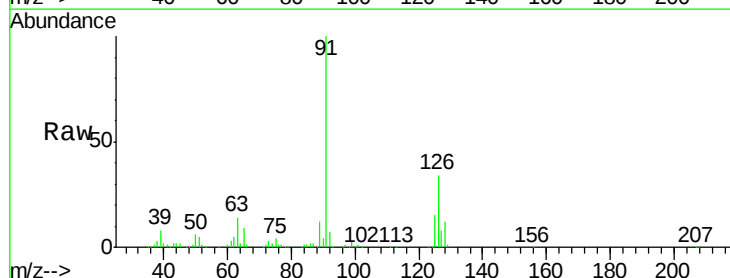
Acq: 29 Jan 2020 12:00

Tgt Ion: 91 Resp: 312154

Ion Ratio Lower Upper

91 100

126 34.9 18.0 54.0





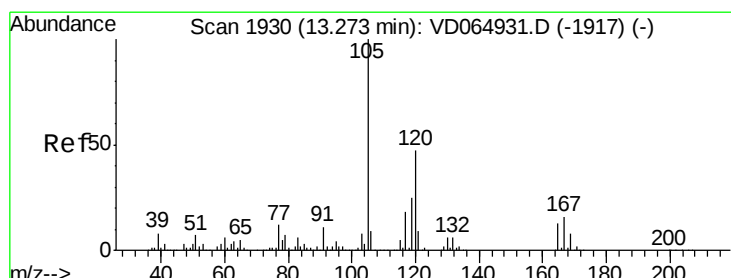
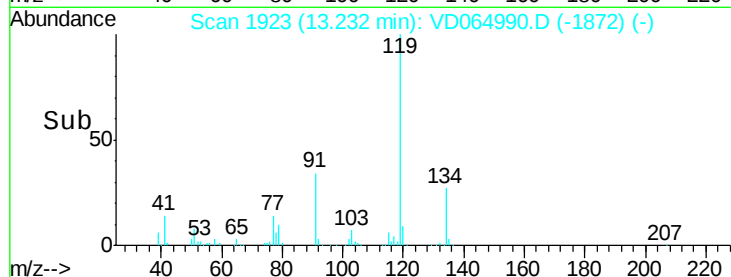
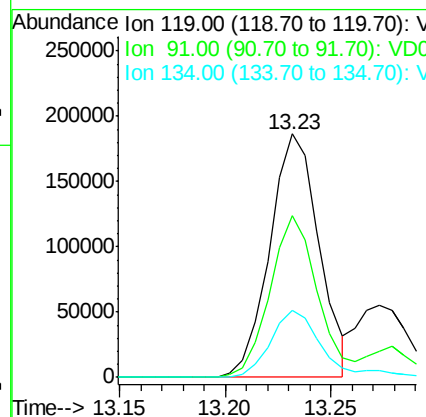
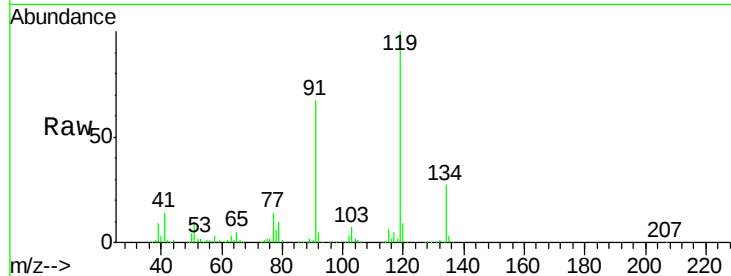
#83
tert-Butylbenzene
Concen: 20.504 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	32.0	96.0
134	28.8	13.9	41.6

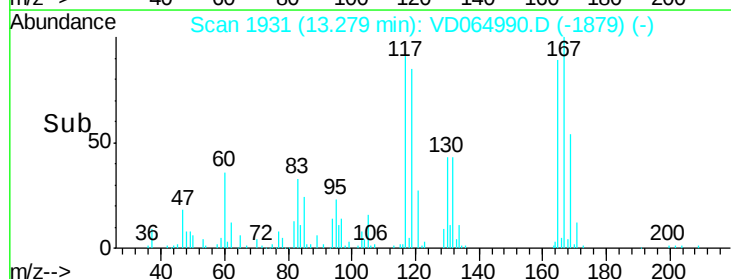
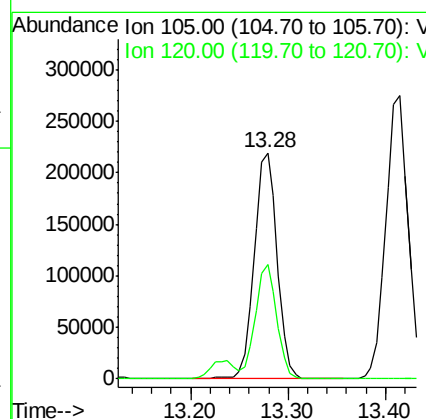
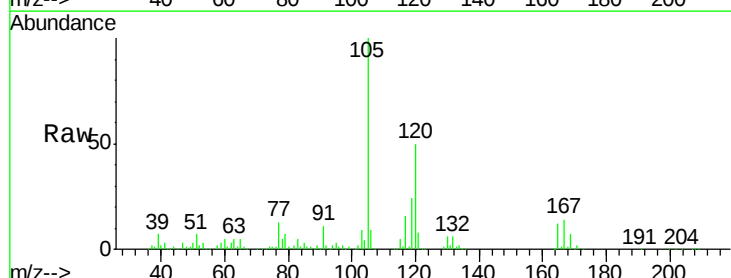
Manual Integrations
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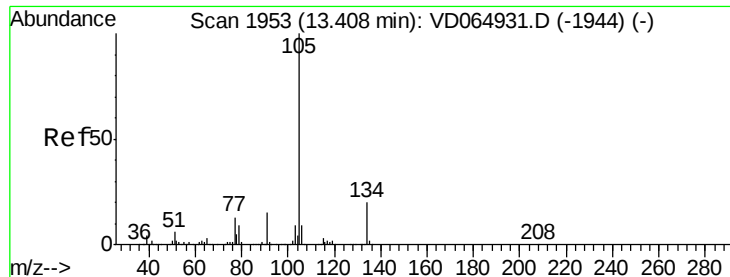
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.426 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.1	69.3





#85

sec-Butylbenzene

Concen: 20.795 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

Instrument :

MSVOA_D

ClientSampleId :

VD0129SBS01

Tot Ion:105 Resp: 435751

Ion Ratio Lower Upper

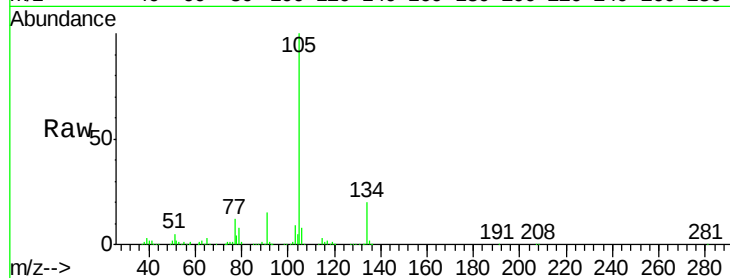
105 100

134 20.4 10.4 31.4

Manual Integrations
APPROVED

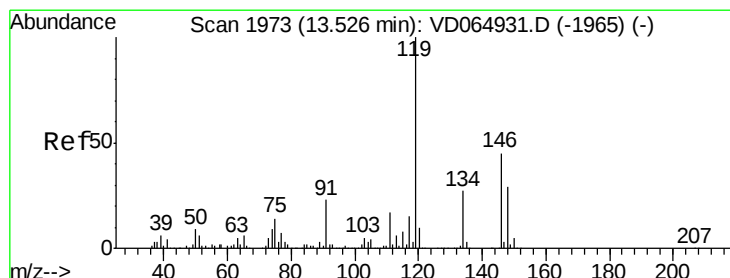
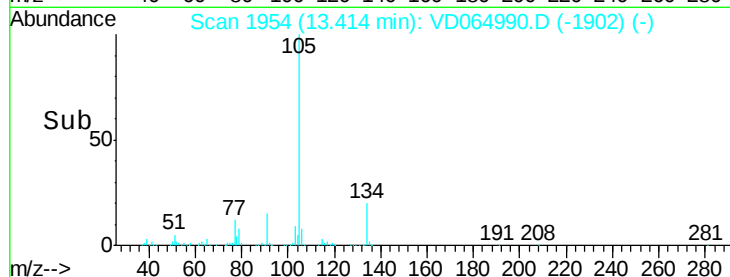
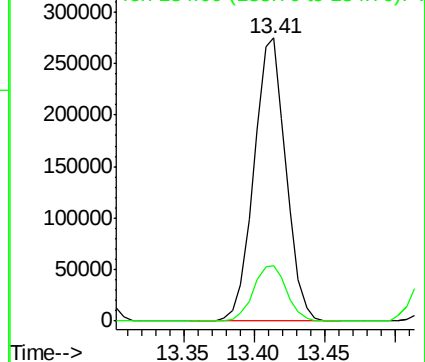
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.385 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064990.D

Acq: 29 Jan 2020 12:00

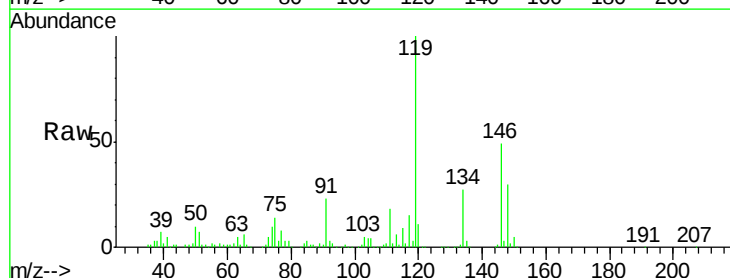
Tgt Ion:119 Resp: 399708

Ion Ratio Lower Upper

119 100

134 27.6 13.3 39.9

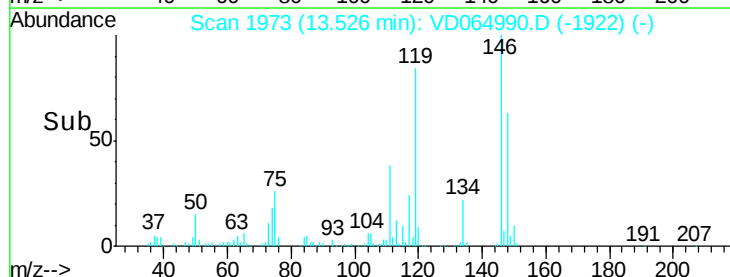
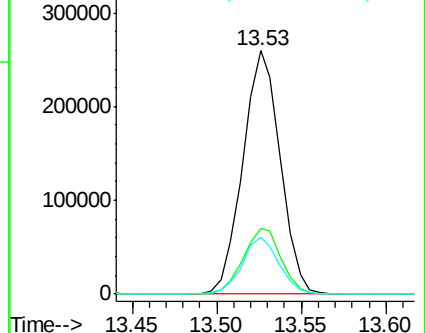
91 22.9 11.4 34.2

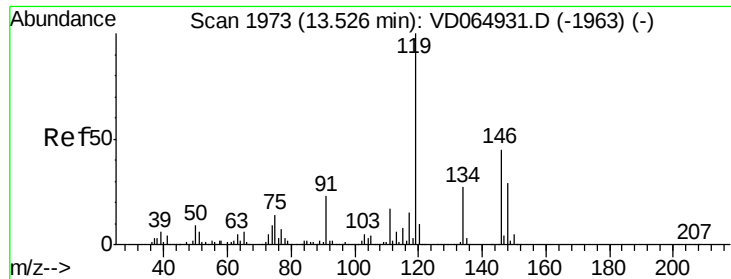


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





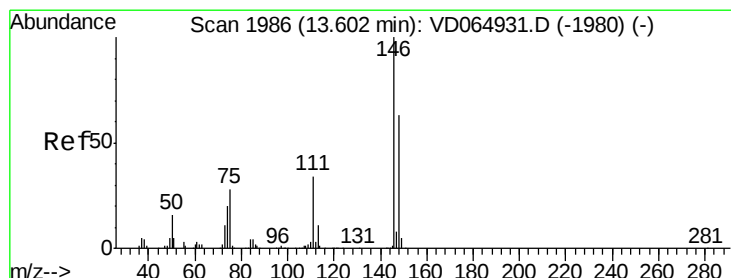
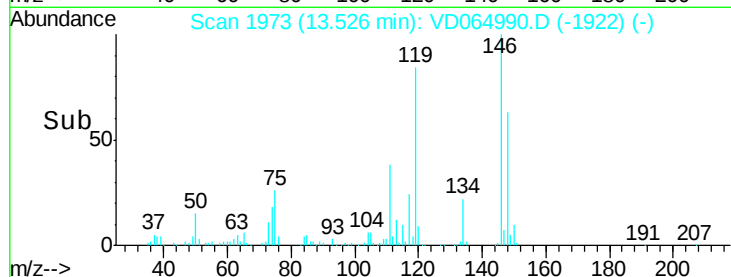
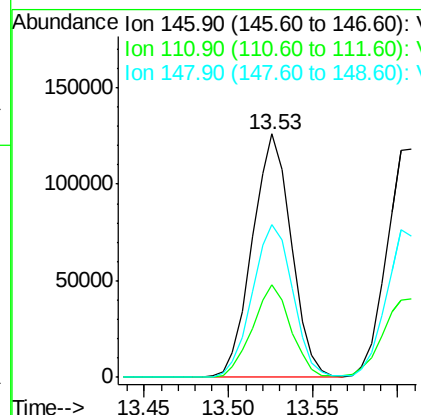
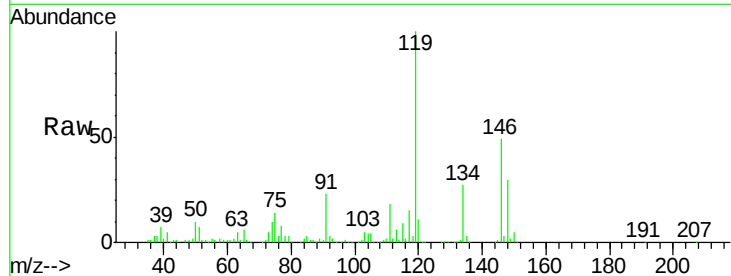
#87
 1,3-Dichlorobenzene
 Concen: 20.296 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	202765		
111	37.5	18.9	56.9	
148	65.1	32.6	97.7	

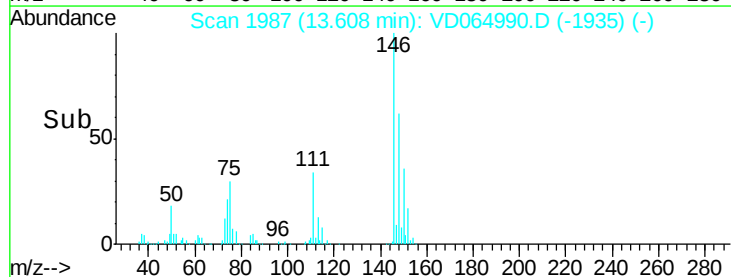
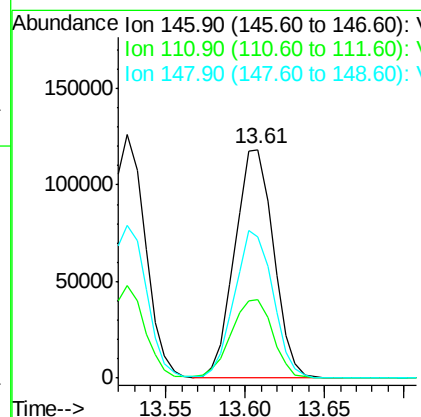
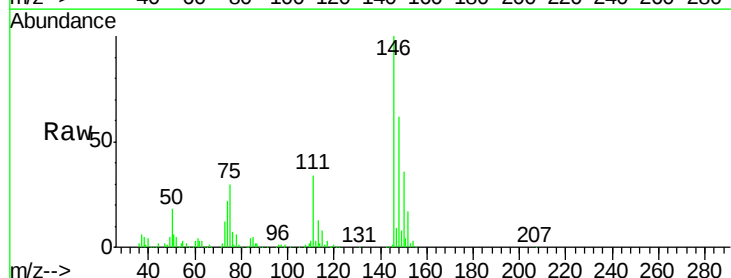
Manual Integrations
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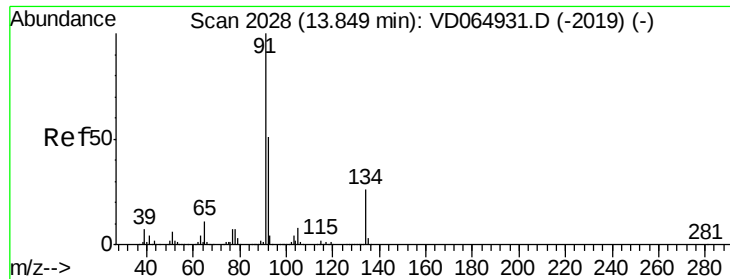
MMDadoda
 1/30/2020 10:27:09 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.381 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	202081		
111	36.6	18.2	54.6	
148	64.2	32.0	96.0	





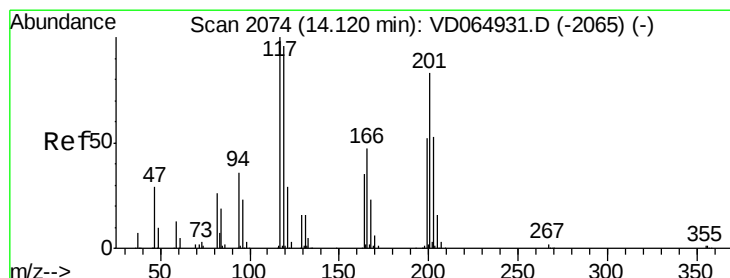
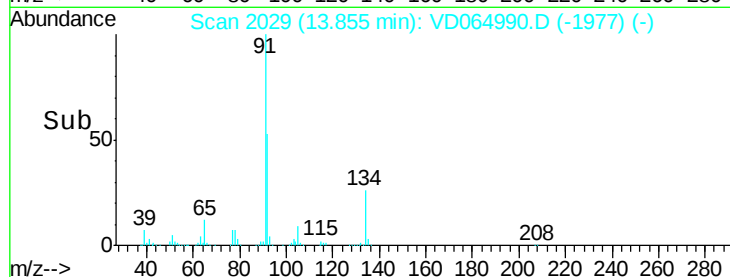
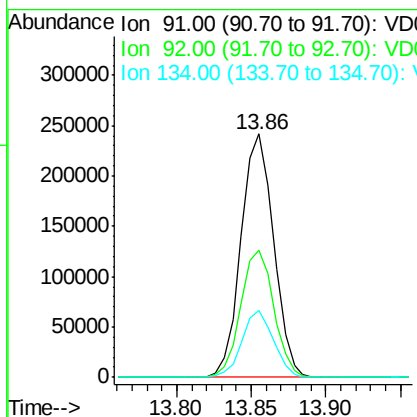
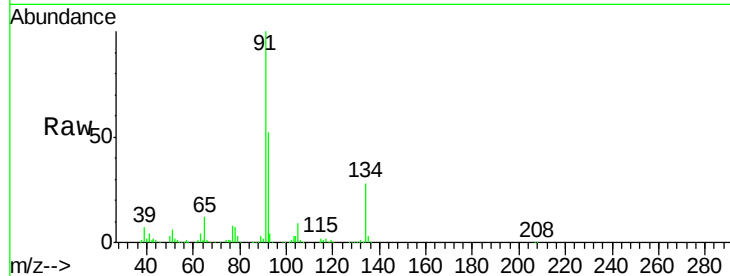
#89
n-Butylbenzene
Concen: 20.513 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.4	79.0
134	26.5	13.3	39.9

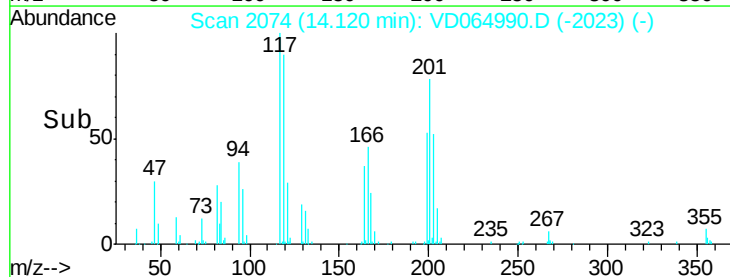
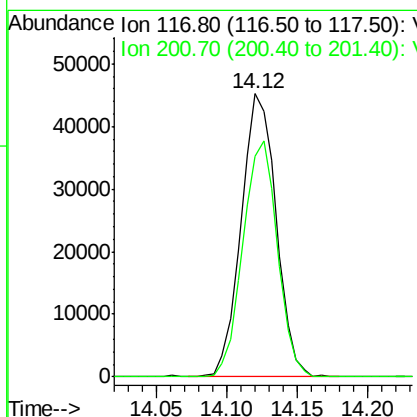
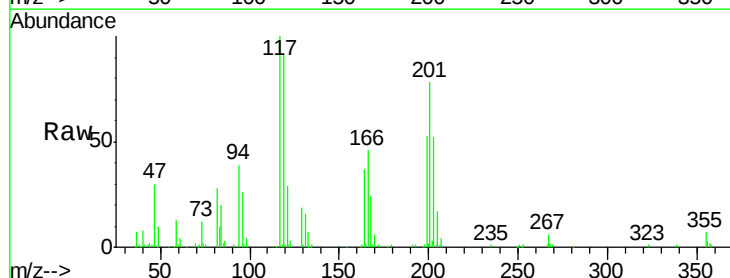
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#90
Hexachloroethane
Concen: 20.840 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.1	41.1	123.3





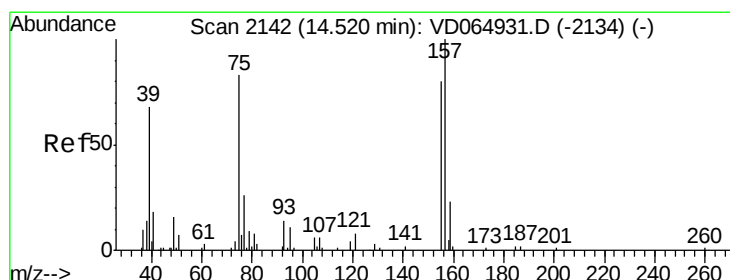
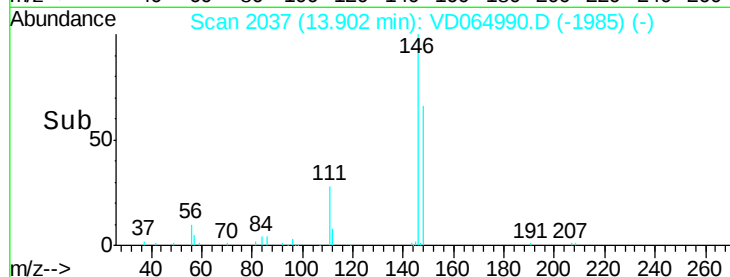
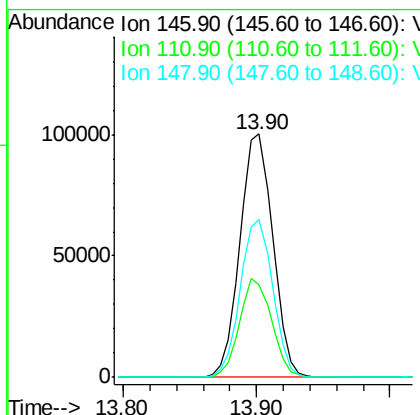
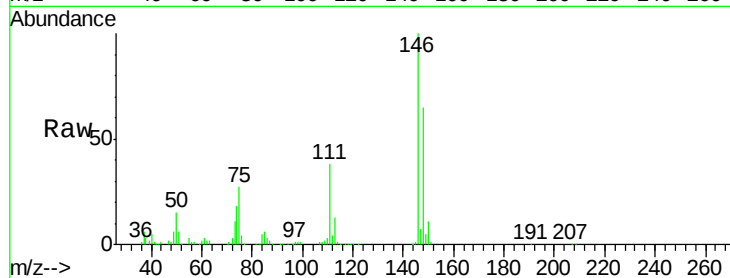
#91
 1,2-Dichlorobenzene
 Concen: 20.172 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.2
148	63.9	31.6	95.0

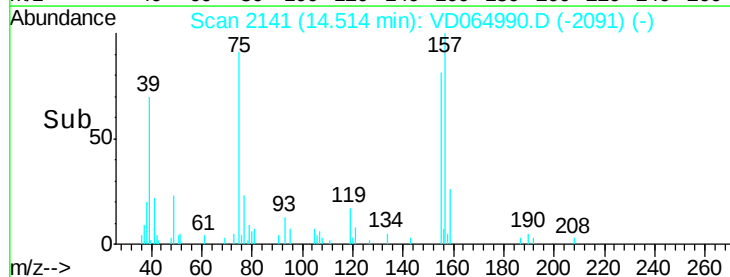
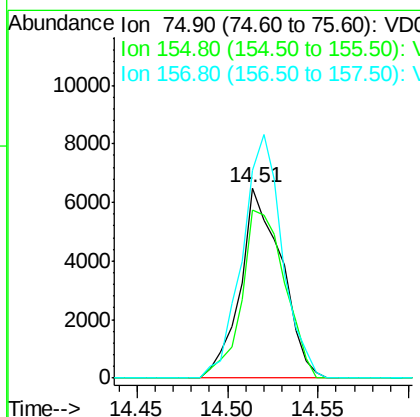
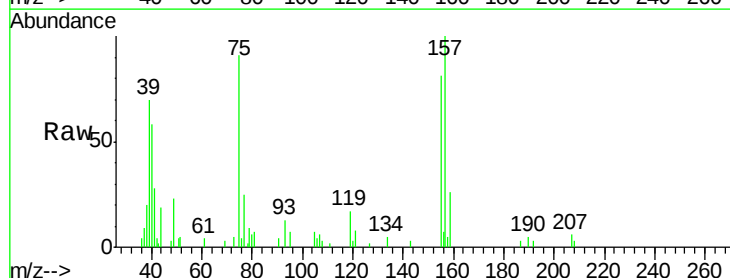
Manual Integrations
 APPROVED

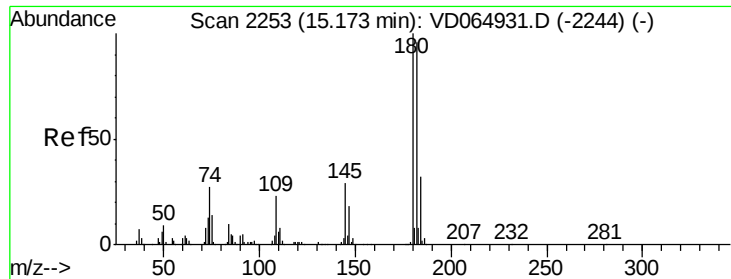
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 1/30/2020 10:27:09 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.973 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	92.0	44.9	134.7
157	124.2	58.9	176.6





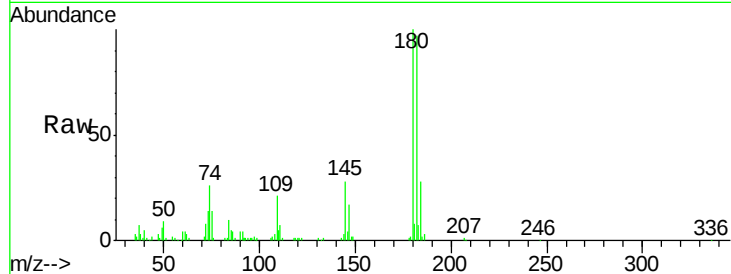
#93
 1,2,4-Trichlorobenzene
 Concen: 20.246 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0129SBS01

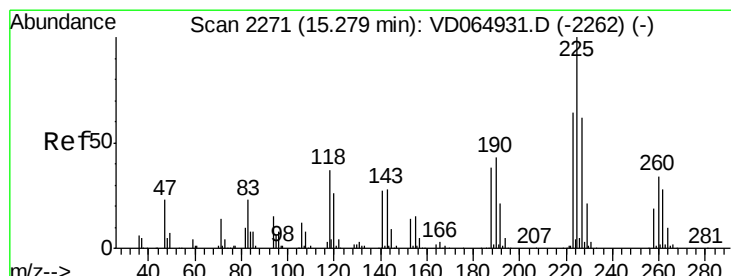
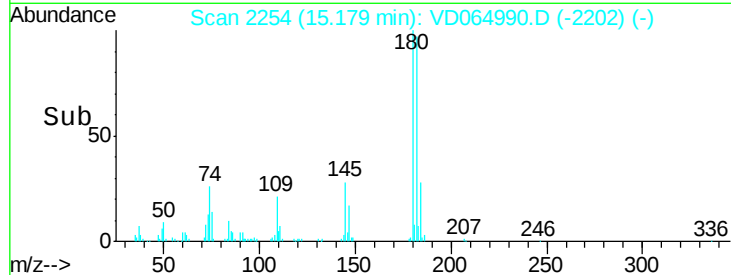
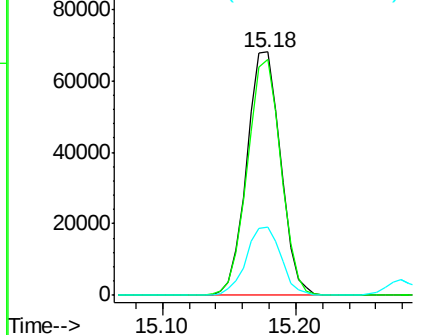
Tot Ion	Ratio	Resp	Lower	Upper
180	100	118794		
182	96.0	47.1	141.4	
145	29.0	14.1	42.3	

Manual Integrations
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MMDadoda
 1/30/2020 10:27:09 AM

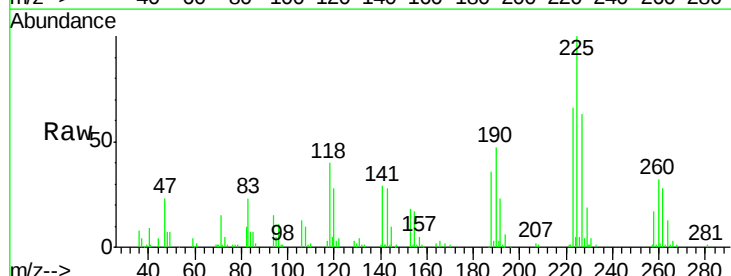


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

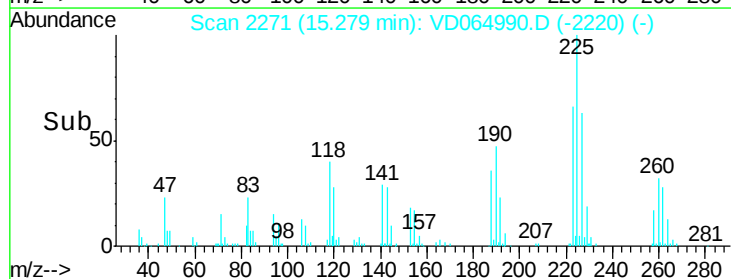
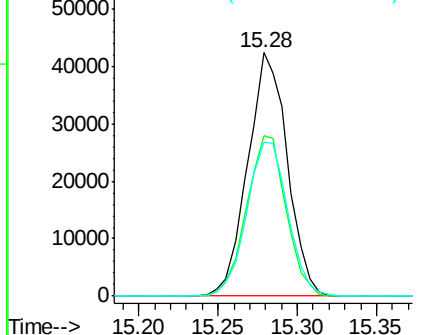


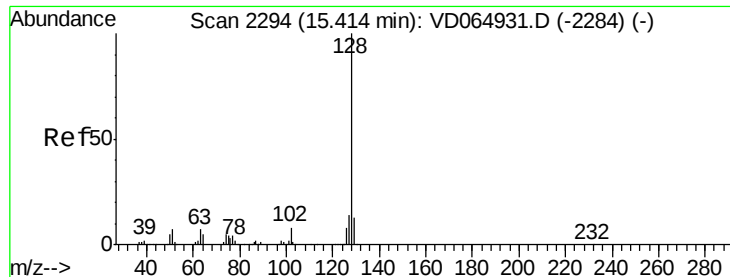
#94
 Hexachlorobutadiene
 Concen: 19.810 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064990.D
 Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73521		
223	65.7	32.4	97.2	
227	65.4	31.9	95.9	



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





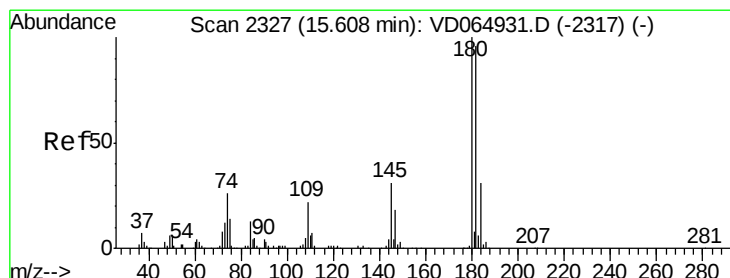
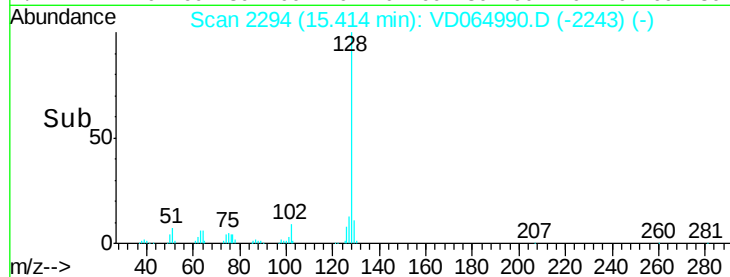
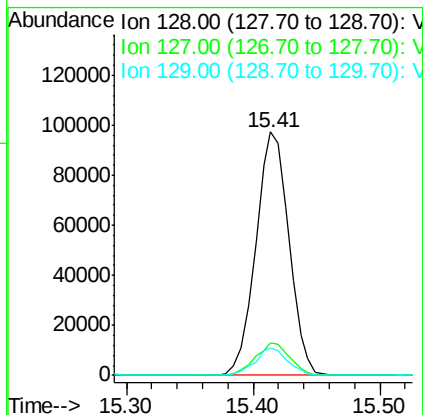
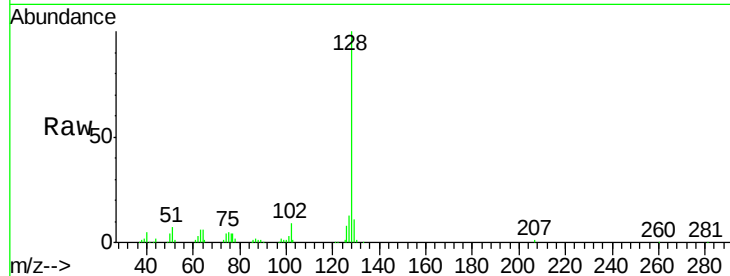
#95
Naphthalene
Concen: 18.678 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Instrument :
MSVOA_D
ClientSampleId :
VD0129SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.1	9.3	13.9

Manual Integrations
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1/30/2020 10:27:09 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.705 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064990.D
Acq: 29 Jan 2020 12:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.3	141.8
145	30.0	14.6	43.8

