

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
 Data File : VD064839.D
 Acq On : 10 Jan 2020 18:30
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:26 PM

Quant Time: Jan 10 23:12:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	389212	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	564590	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	503315	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249468	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	187100	54.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.04%	
35) Dibromofluoromethane	7.92	113	187453	54.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.24%	
50) Toluene-d8	10.34	98	704833	53.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.26%	
62) 4-Bromofluorobenzene	12.64	95	228310	54.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.86%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	139735	46.197	ug/l	95
3) Chloromethane	2.21	50	219248	51.828	ug/l	99
4) Vinyl Chloride	2.35	62	256024	49.638	ug/l	99
5) Bromomethane	2.77	94	174519	46.535	ug/l	96
6) Chloroethane	2.92	64	177718	51.422	ug/l	98
7) Trichlorofluoromethane	3.27	101	428463	49.335	ug/l	100
8) Diethyl Ether	3.70	74	91470	53.039	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	190292	52.907	ug/l	98
10) Methyl Iodide	4.30	142	201133	52.061	ug/l	99
11) Tert butyl alcohol	5.25	59	58477	297.304	ug/l #	83
12) 1,1-Dichloroethene	4.06	96	173900	50.785	ug/l	97
13) Acrolein	3.93	56	66033	240.892	ug/l	97
14) Allyl chloride	4.71	41	292788	54.841	ug/l	98
15) Acrylonitrile	5.43	53	204962	285.323	ug/l	100
16) Acetone	4.17	43	231638	332.740	ug/l	94
17) Carbon Disulfide	4.40	76	501578	45.301	ug/l	99
18) Methyl Acetate	4.72	43	106993	55.374	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	428760	56.373	ug/l	94
20) Methylene Chloride	4.97	84	201977	58.360	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	201614	51.700	ug/l	97
22) Diisopropyl ether	6.37	45	605778	56.888	ug/l	99
23) Vinyl Acetate	6.31	43	1700383	281.492	ug/l	99
24) 1,1-Dichloroethane	6.27	63	360597	56.407	ug/l	98
25) 2-Butanone	7.23	43	283530	300.546	ug/l	100
26) 2,2-Dichloropropane	7.21	77	322778	54.306	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	230867	54.855	ug/l	98
28) Bromochloromethane	7.56	49	142422	57.311	ug/l	99
29) Tetrahydrofuran	7.57	42	165607	282.285	ug/l	98
30) Chloroform	7.71	83	371006	55.315	ug/l	97
31) Cyclohexane	7.98	56	313347	48.967	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	343209	54.480	ug/l	99
36) 1,1-Dichloropropene	8.11	75	283547	52.179	ug/l	98
37) Ethyl Acetate	7.30	43	119923	56.175	ug/l	97
38) Carbon Tetrachloride	8.10	117	309879	53.479	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	331734	50.402	ug/l	95
40) Benzene	8.36	78	800378	53.953	ug/l	98
41) Methacrylonitrile	7.53	41	67139	54.204	ug/l	93
42) 1,2-Dichloroethane	8.43	62	240846	56.182	ug/l	98
43) Isopropyl Acetate	8.46	43	234901	55.282	ug/l	99
44) Trichloroethene	9.11	130	229164	52.585	ug/l	94
45) 1,2-Dichloropropane	9.39	63	198102	55.930	ug/l	99
46) Dibromomethane	9.48	93	108759	55.074	ug/l	99
47) Bromodichloromethane	9.67	83	291897	55.549	ug/l	99
48) Methyl methacrylate	9.46	41	110131	55.045	ug/l	93
49) 1,4-Dioxane	9.47	88	25082	1101.516	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	600627	285.975	ug/l	100
52) Toluene	10.41	92	525886	54.033	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	274788	56.089	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	322754	55.871	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	145633	54.722	ug/l	97
56) Ethyl methacrylate	10.67	69	188197	56.623	ug/l	98
57) 1,3-Dichloropropane	10.95	76	254221	55.479	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	328488	259.409	ug/l	99
59) 2-Hexanone	10.99	43	439698	308.452	ug/l	100
60) Dibromochloromethane	11.14	129	201544	54.763	ug/l	100
61) 1,2-Dibromoethane	11.25	107	141702	53.983	ug/l	98
64) Tetrachloroethene	10.88	164	218509	56.589	ug/l	98
65) Chlorobenzene	11.67	112	561279	53.730	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	219773	55.807	ug/l	97
67) Ethyl Benzene	11.75	91	1013854	53.472	ug/l	97
68) m/p-Xylenes	11.86	106	788894	107.796	ug/l	96
69) o-Xylene	12.18	106	358129	54.177	ug/l	99
70) Styrene	12.20	104	638266	55.009	ug/l	98
71) Bromoform	12.37	173	122086	54.362	ug/l #	98
73) Isopropylbenzene	12.48	105	970538	54.440	ug/l	100
74) N-amyl acetate	12.30	43	218937	57.450	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	155750	55.614	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	101170m	51.357	ug/l	
77) Bromobenzene	12.77	156	237274	54.166	ug/l	98
78) n-propylbenzene	12.83	91	1137687	54.702	ug/l	99
79) 2-Chlorotoluene	12.91	91	633145	55.417	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	796625	54.398	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	52252	55.475	ug/l	98
82) 4-Chlorotoluene	13.01	91	657473	54.075	ug/l	100
83) tert-Butylbenzene	13.23	119	688374	54.138	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	803986	55.124	ug/l	99
85) sec-Butylbenzene	13.41	105	962048	55.190	ug/l	99
86) p-Isopropyltoluene	13.53	119	922034	55.318	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	453062	54.254	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	446345	54.409	ug/l	100
89) n-Butylbenzene	13.85	91	828319	55.184	ug/l	99
90) Hexachloroethane	14.12	117	174246	54.727	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	382552	53.724	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	25636	56.467	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273904	52.241	ug/l	99
94) Hexachlorobutadiene	15.28	225	163447	49.540	ug/l	96
95) Naphthalene	15.41	128	452165	54.514	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	238710	53.331	ug/l	99

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

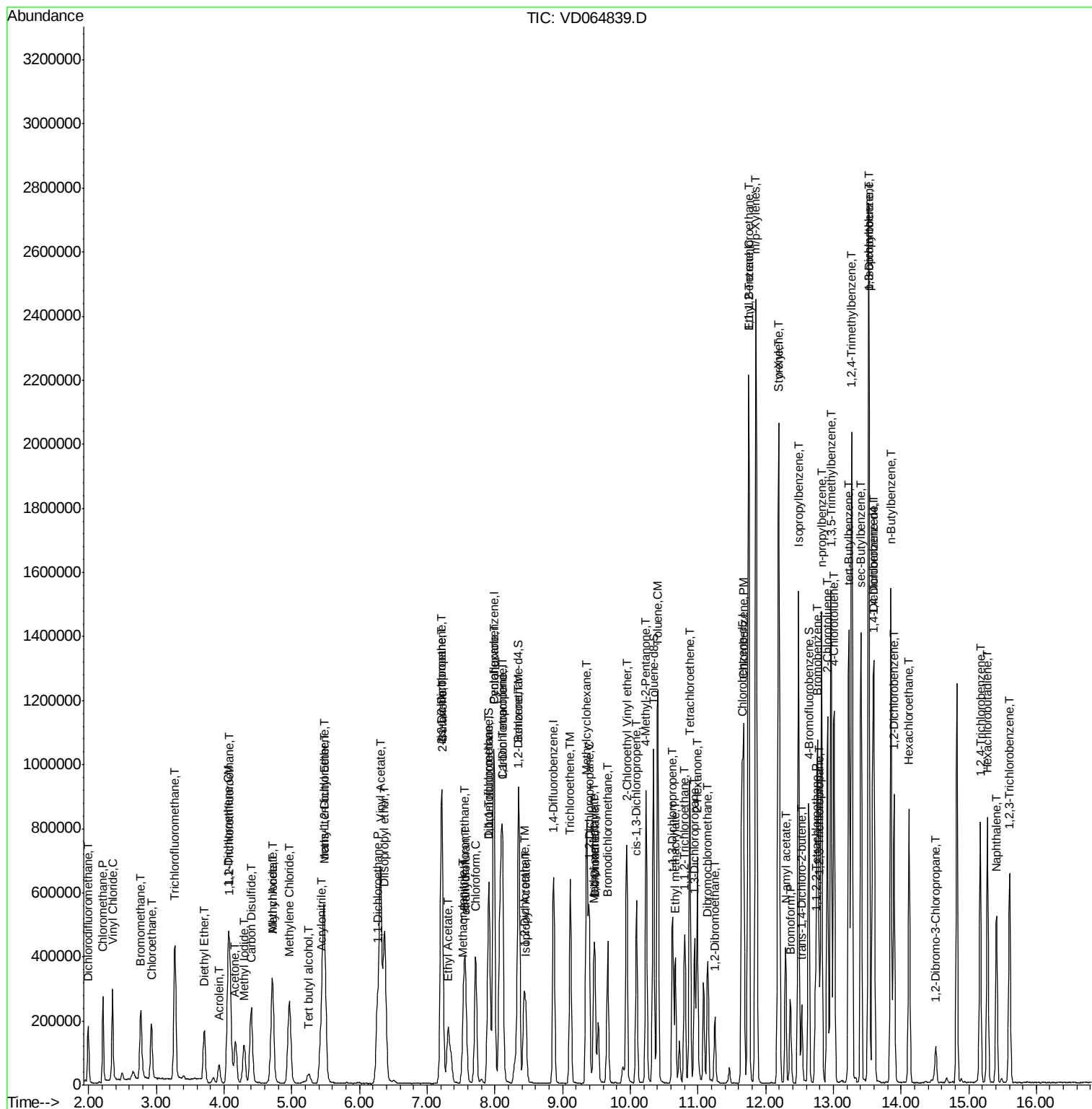
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD011020\
Data File : VD064839.D
Acq On : 10 Jan 2020 18:30
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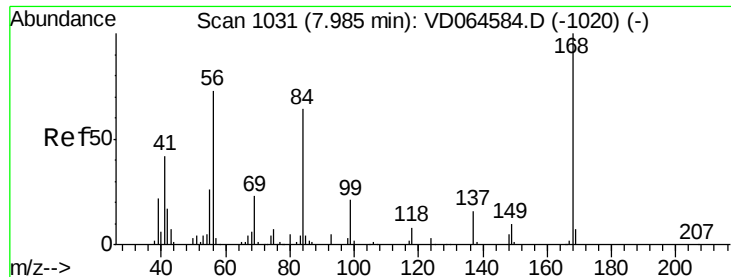
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 168 Resp: 389212

Ion Ratio Lower Upper

168 100

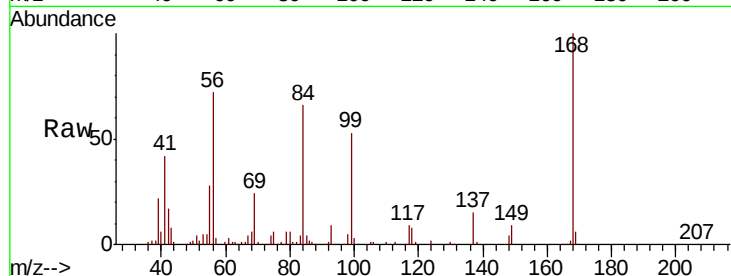
99 52.3 41.8 62.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

200000

150000

100000

50000

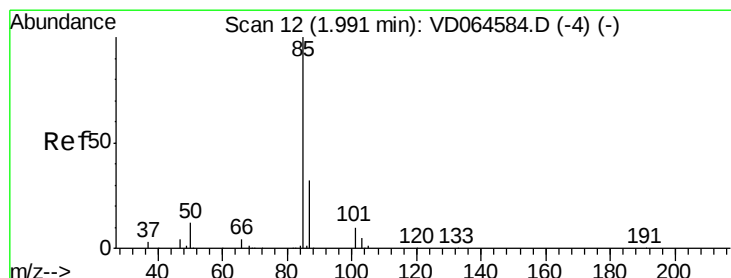
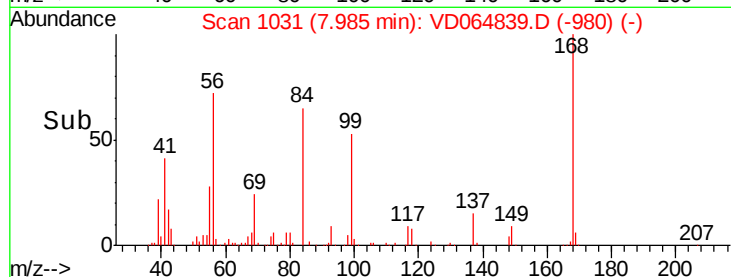
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.197 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064839.D

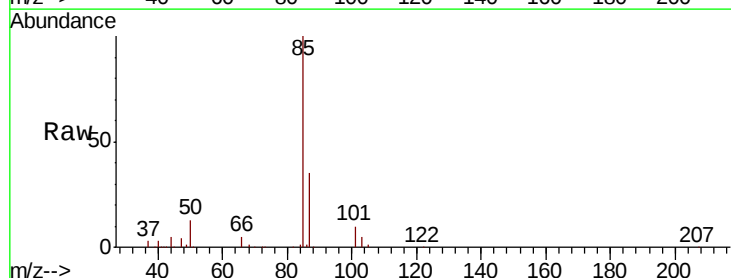
Acq: 10 Jan 2020 18:30

Tgt Ion: 85 Resp: 139735

Ion Ratio Lower Upper

85 100

87 34.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

80000

60000

40000

20000

0

1.90

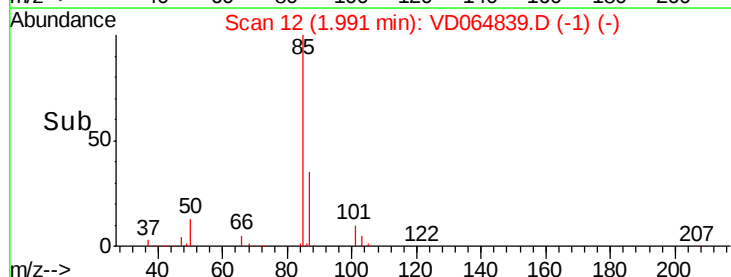
1.95

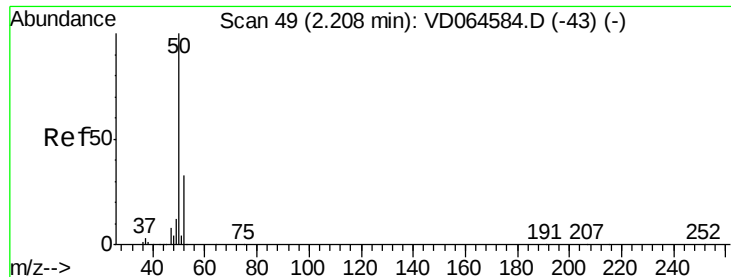
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 51.828 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 219248

Ion Ratio Lower Upper

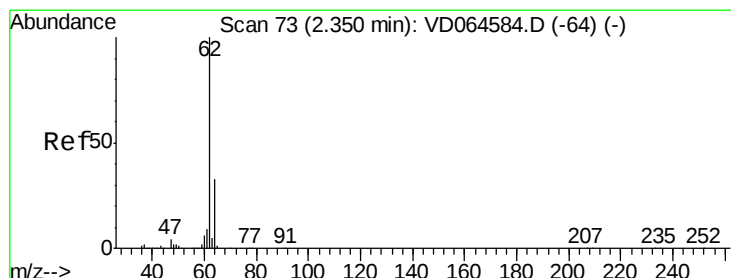
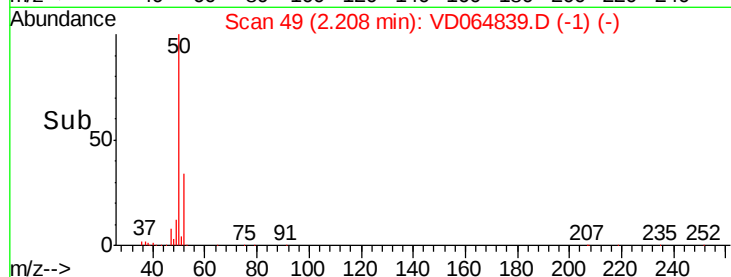
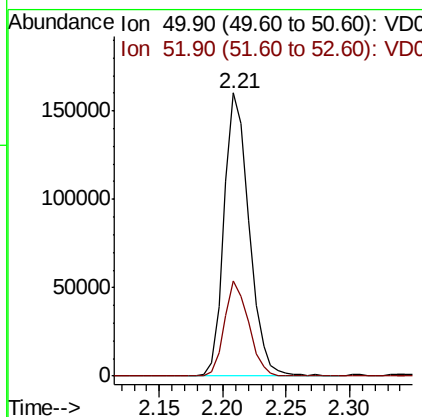
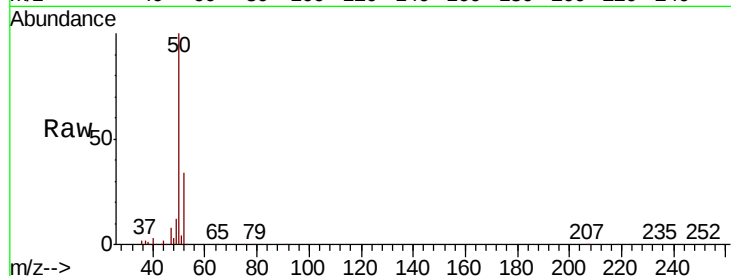
50 100

52 33.8 26.5 39.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 49.638 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064839.D

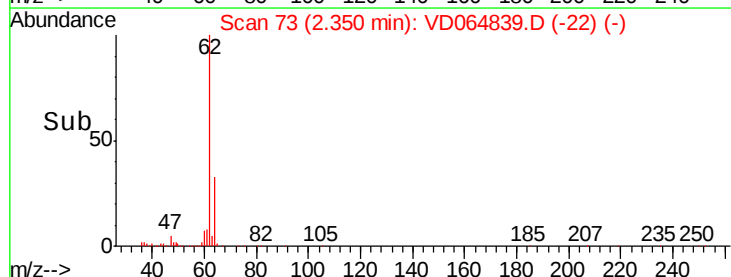
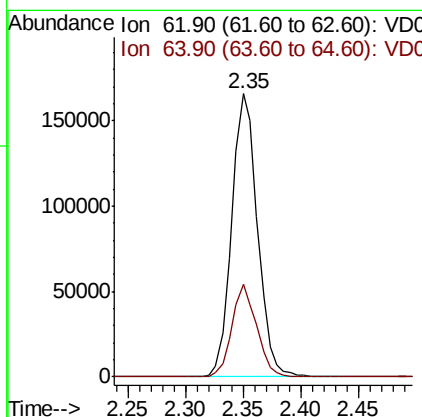
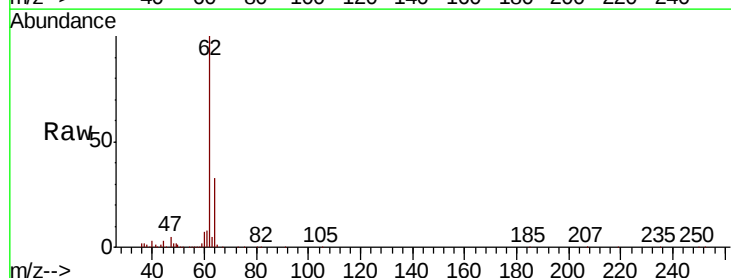
Acq: 10 Jan 2020 18:30

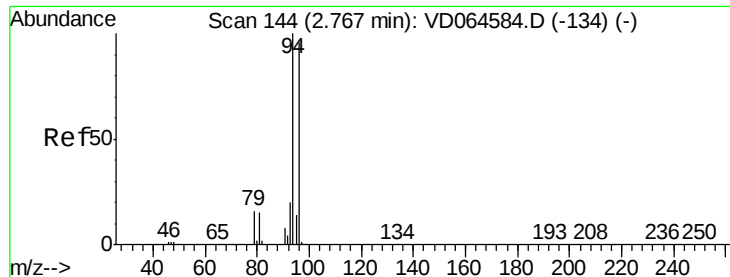
Tgt Ion: 62 Resp: 256024

Ion Ratio Lower Upper

62 100

64 32.7 26.6 40.0





#5

Bromomethane

Concen: 46.535 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 174519

Ion Ratio Lower Upper

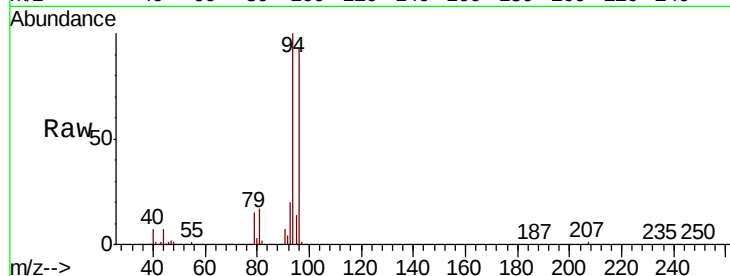
94 100

96 92.9 77.2 115.8

Manual Integrations
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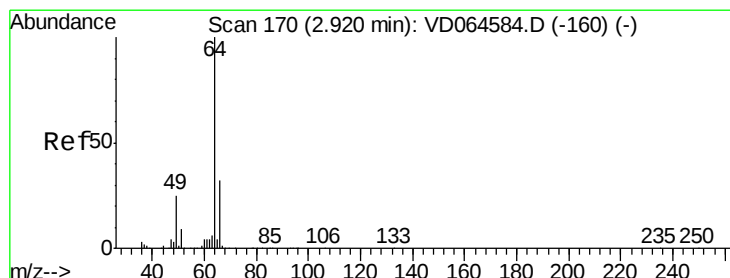
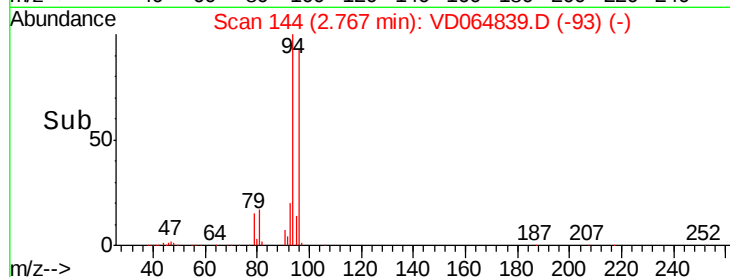
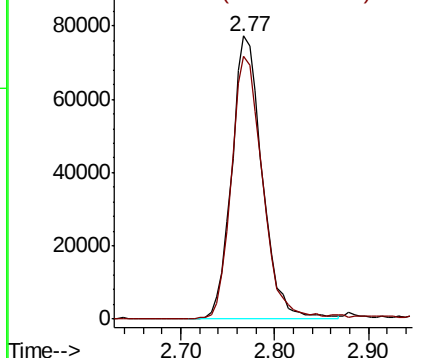
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 51.422 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064839.D

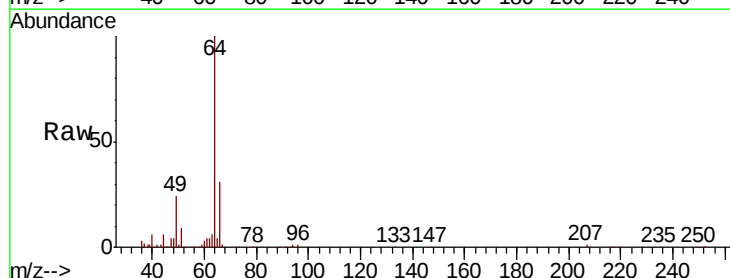
Acq: 10 Jan 2020 18:30

Tgt Ion: 64 Resp: 177718

Ion Ratio Lower Upper

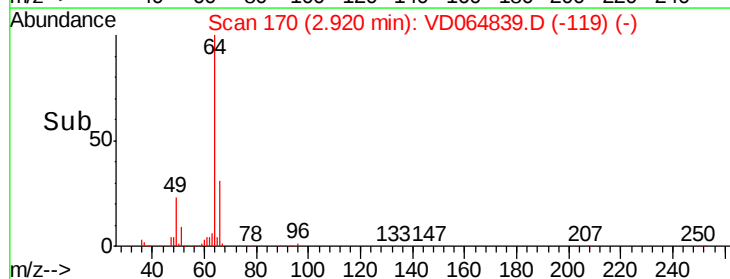
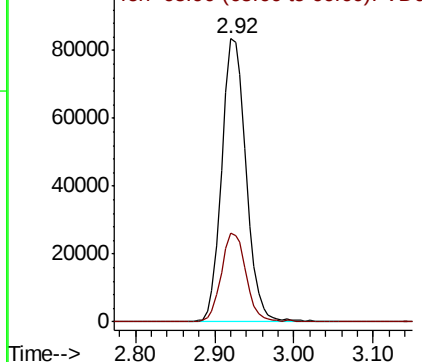
64 100

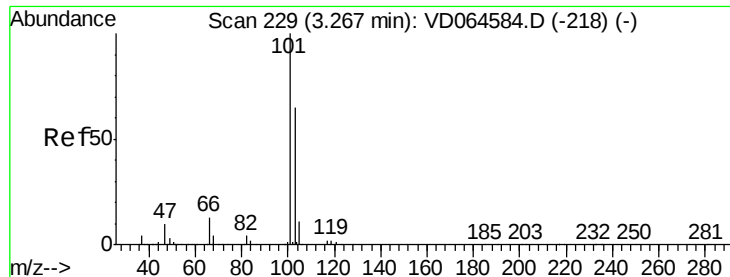
66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

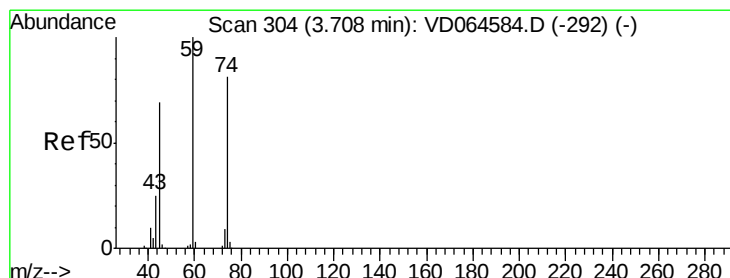
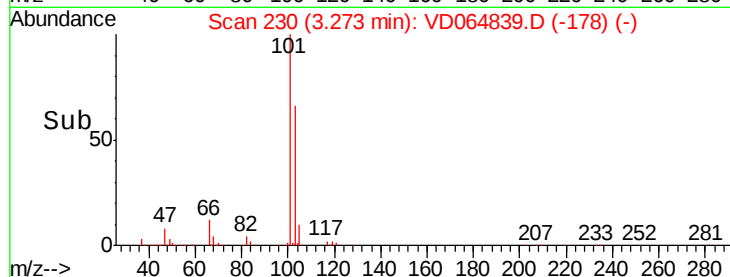
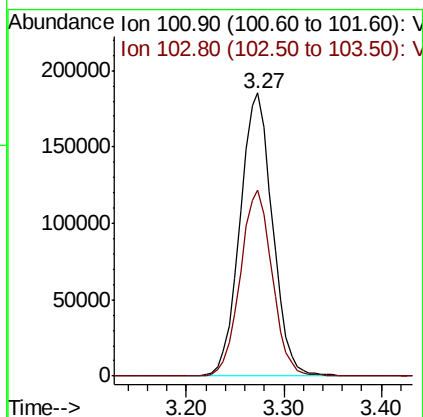
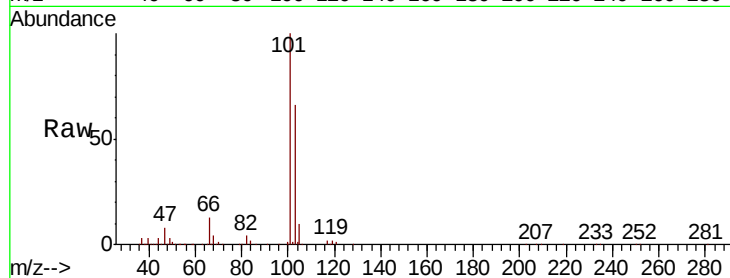
Trichlorofluoromethane
Concen: 49.335 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
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ClientSampleId :
VSTDCCC050EC

Tot Ion:101 Resp: 428463
Ion Ratio Lower Upper
101 100
103 65.6 52.2 78.4

Manual Integrations
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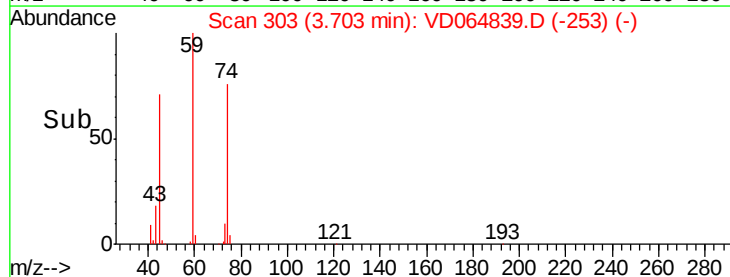
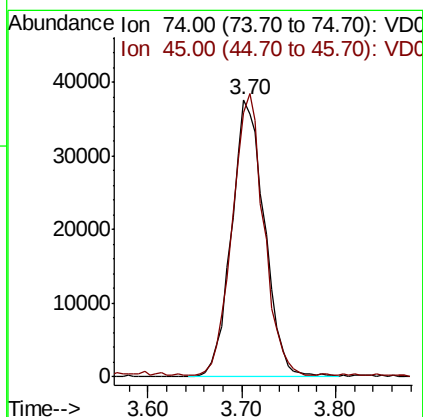
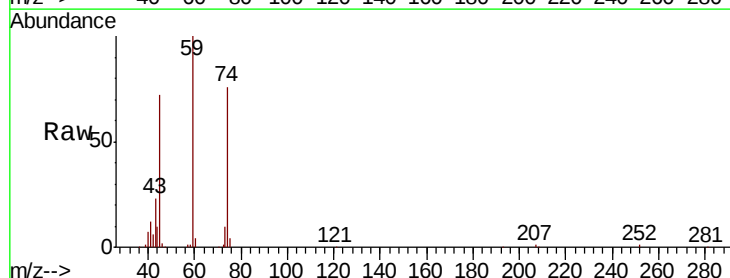
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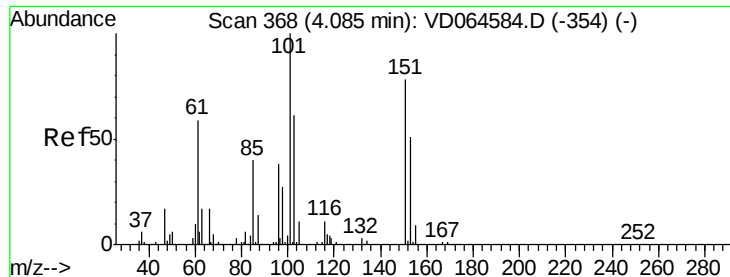


#8

Diethyl Ether
Concen: 53.039 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 74 Resp: 91470
Ion Ratio Lower Upper
74 100
45 96.8 47.5 142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 52.907 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

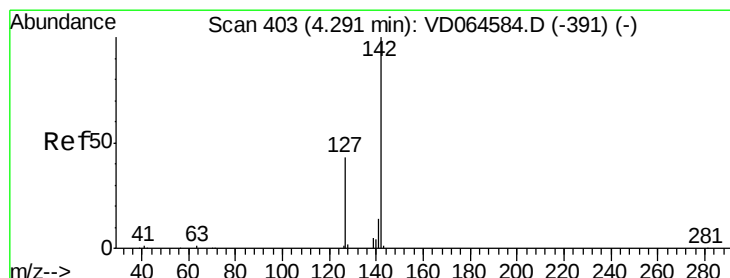
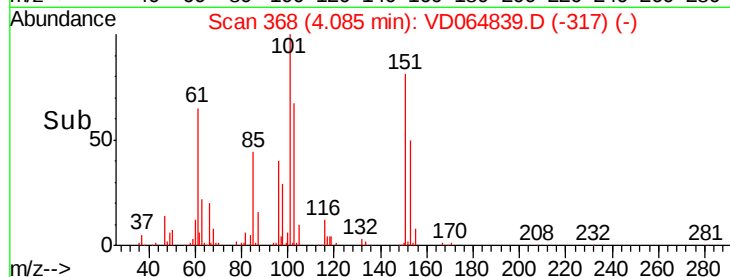
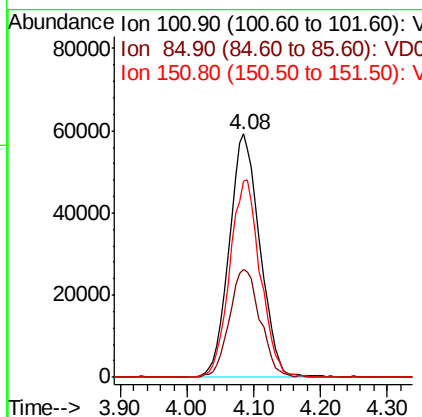
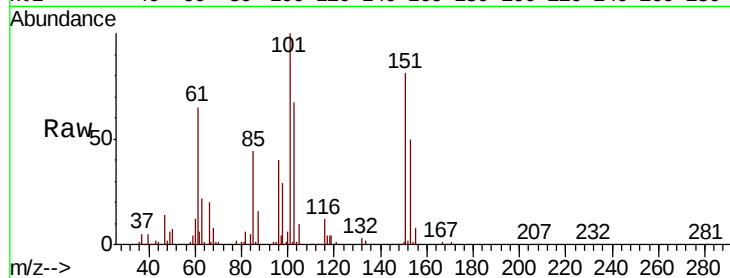
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	190292
Ion Ratio	Lower	Upper	
101	100		
85	44.5	35.2	52.8
151	80.5	66.2	99.4

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#10

Methyl Iodide

Concen: 52.061 ug/l

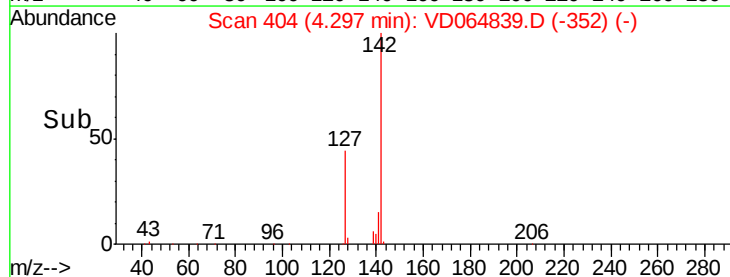
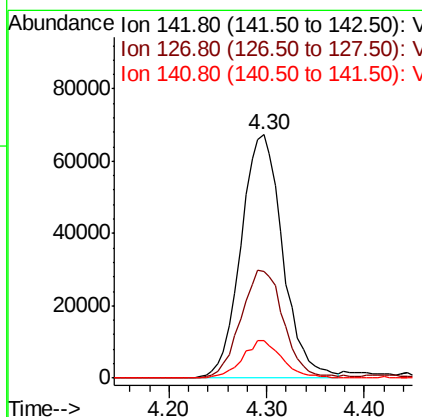
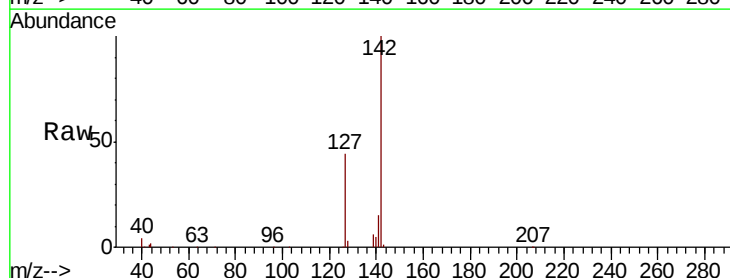
RT: 4.30 min Scan# 404

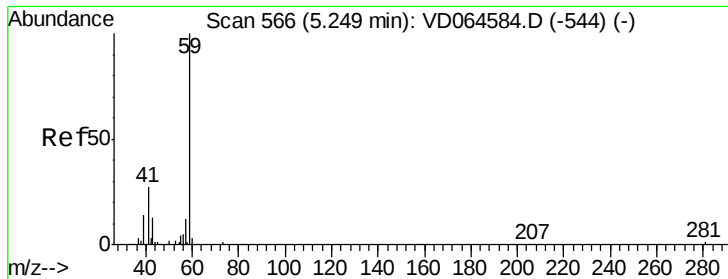
Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion:	142	Resp:	201133
Ion Ratio	Lower	Upper	
142	100		
127	45.8	36.2	54.4
141	14.7	11.8	17.8





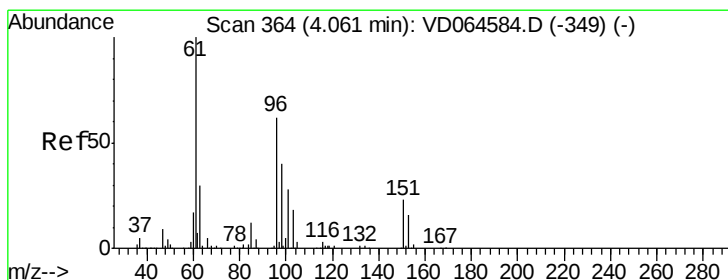
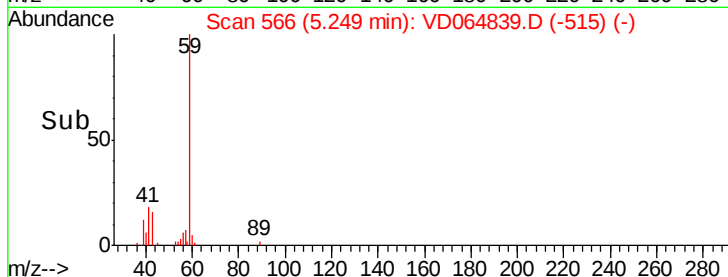
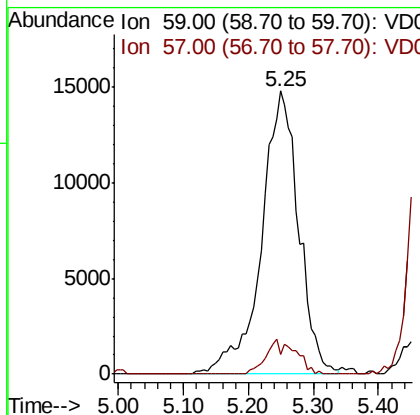
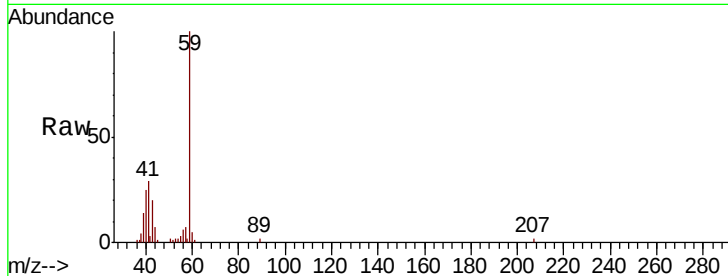
#11
Tert butyl alcohol
Concen: 297.304 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.9	9.3	13.9#

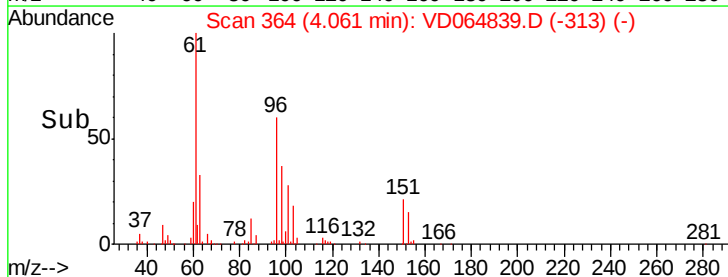
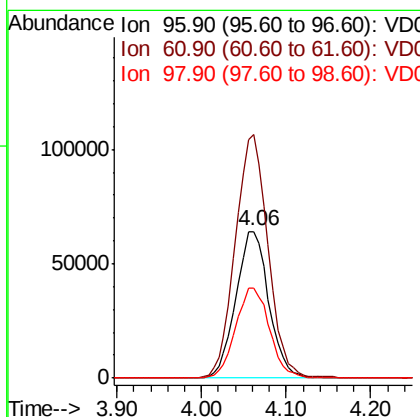
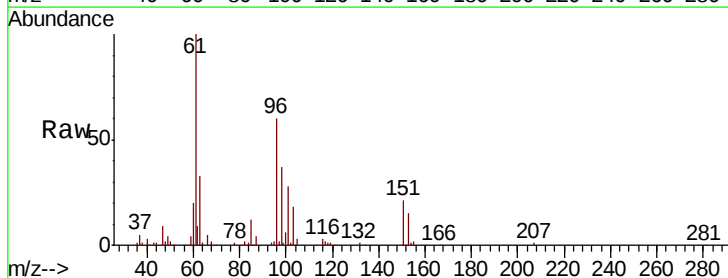
Manual Integrations
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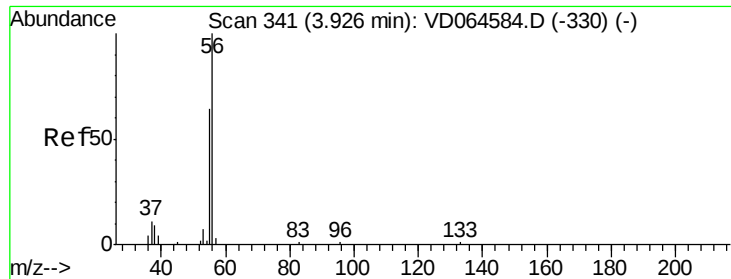
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#12
1,1-Dichloroethene
Concen: 50.785 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	166.0	129.4	194.0
98	61.7	51.4	77.0





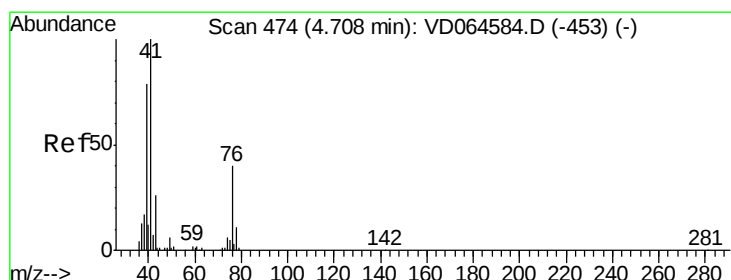
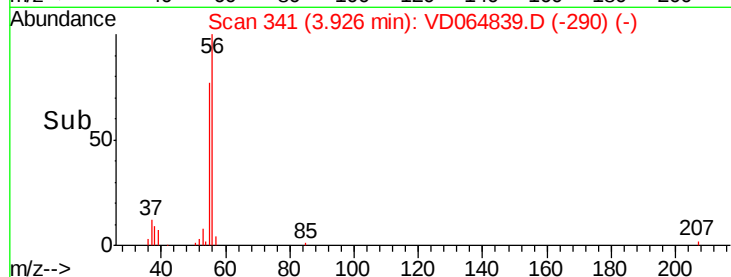
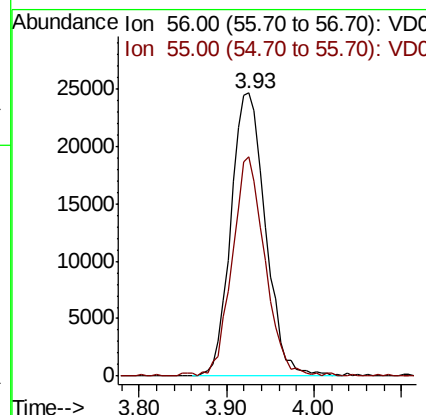
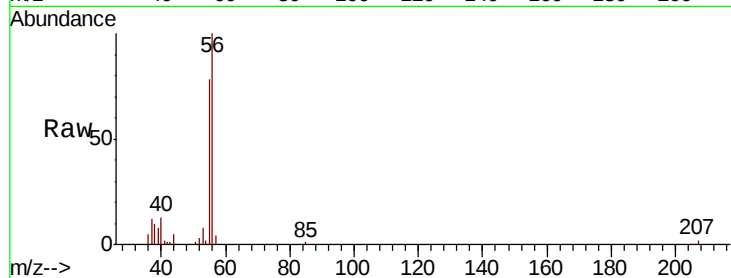
#13
Acrolein
Concen: 240.892 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	66033
Ion Ratio	100	Lower	Upper
55	73.3	56.7	85.1

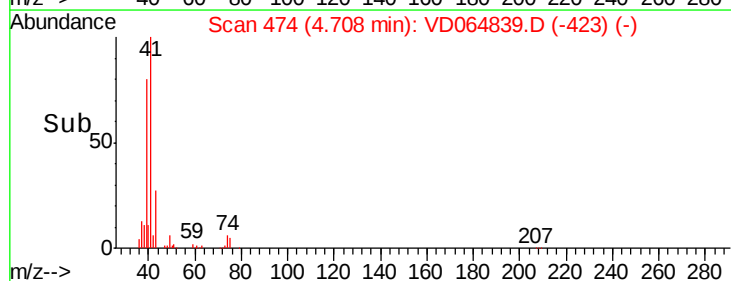
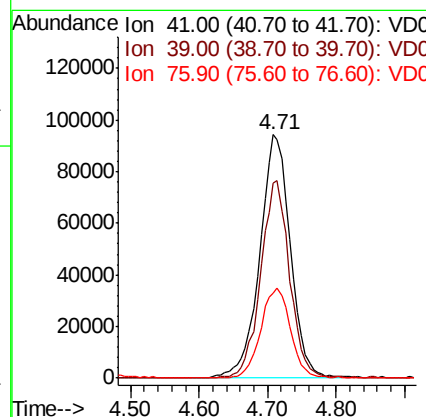
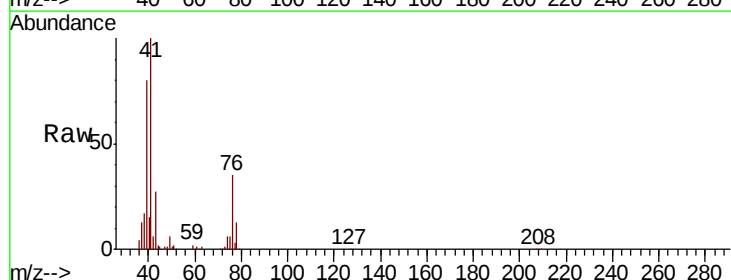
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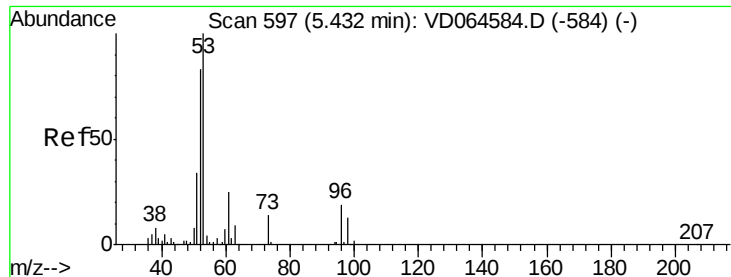
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#14
Allyl chloride
Concen: 54.841 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	41	Resp	292788
Ion Ratio	100	Lower	Upper
39	76.7	62.3	93.5
76	35.5	29.7	44.5





#15

Acrylonitrile

Concen: 285.323 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

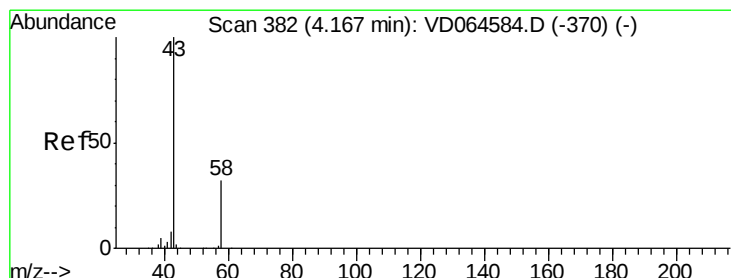
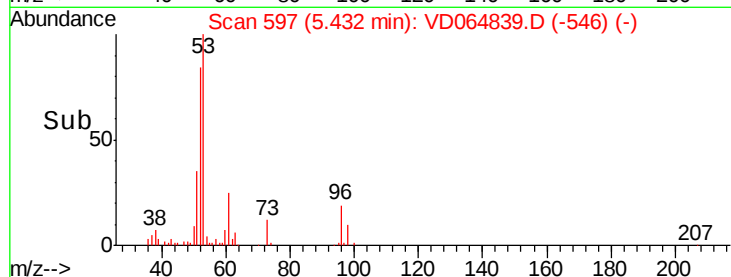
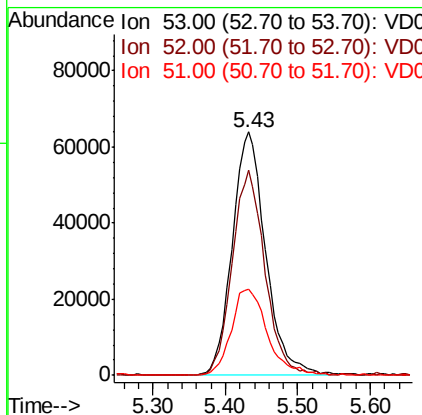
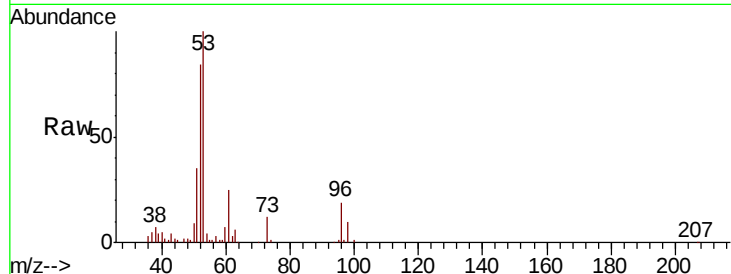
ClientSampleId :

VSTDCCC050EC

Tot Ion	53	Resp	204962
Ion	Ratio	Lower	Upper
53	100		
52	82.5	66.2	99.2
51	37.9	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 332.740 ug/l

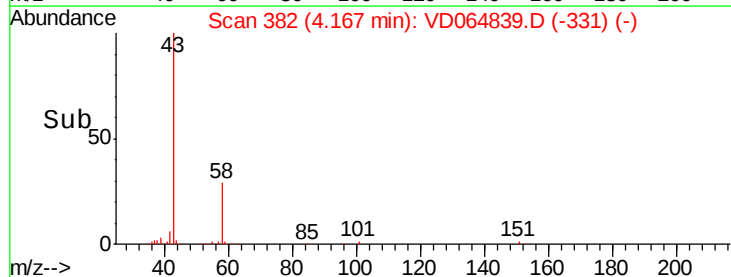
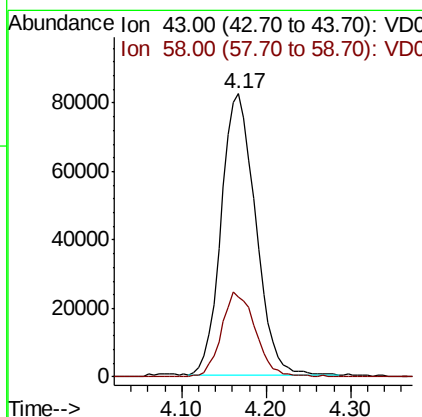
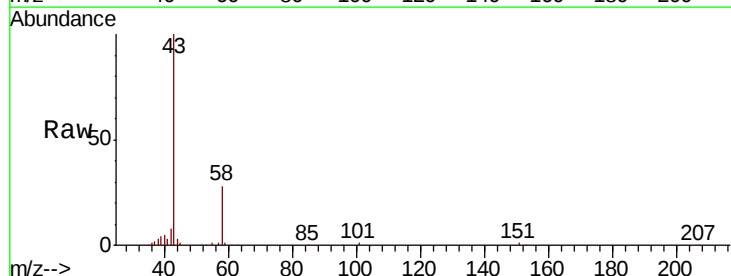
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion	43	Resp	231638
Ion	Ratio	Lower	Upper
43	100		
58	28.6	25.8	38.6





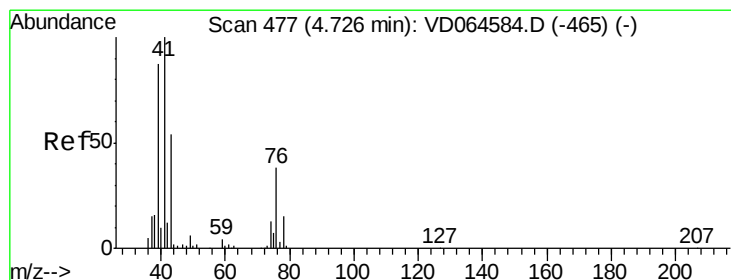
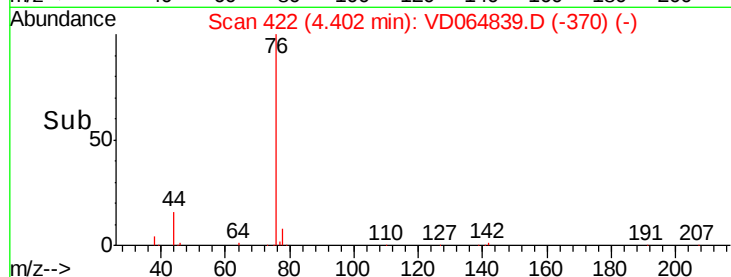
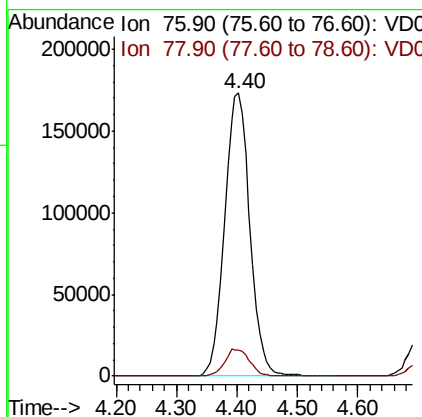
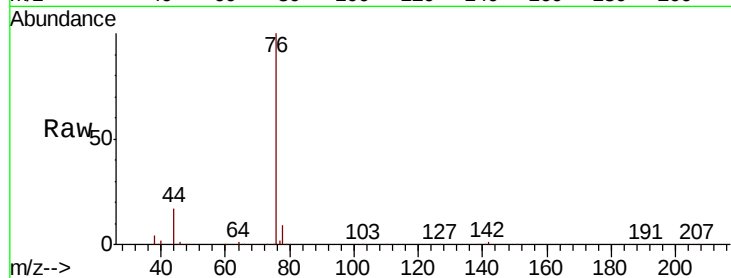
#17
Carbon Disulfide
Concen: 45.301 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

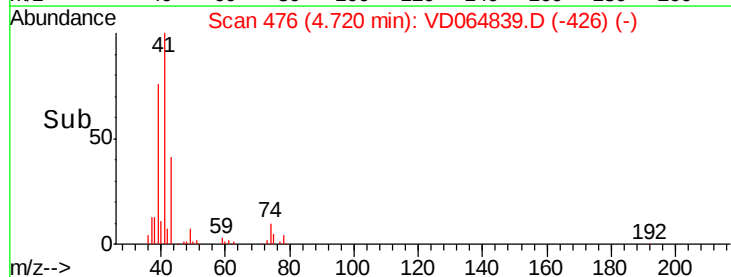
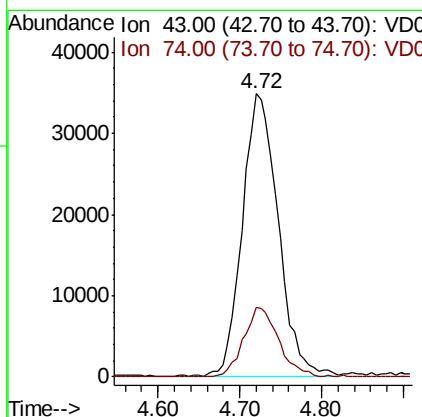
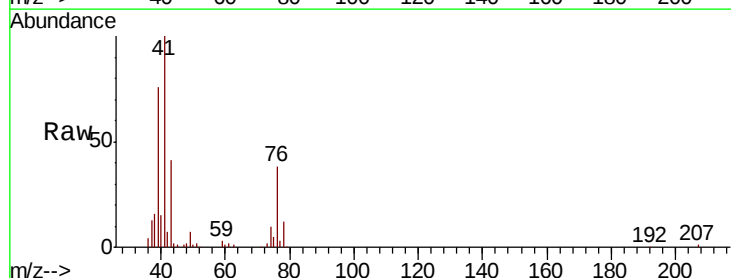
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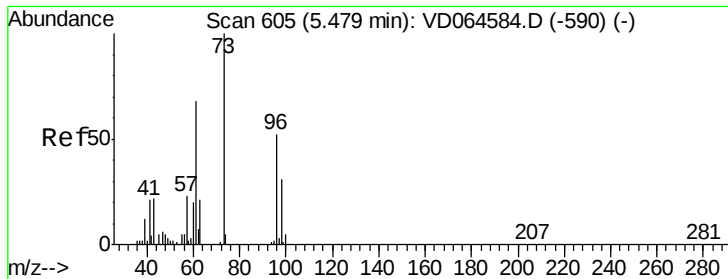
MMDadoda
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#18
Methyl Acetate
Concen: 55.374 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.2	28.8





#19

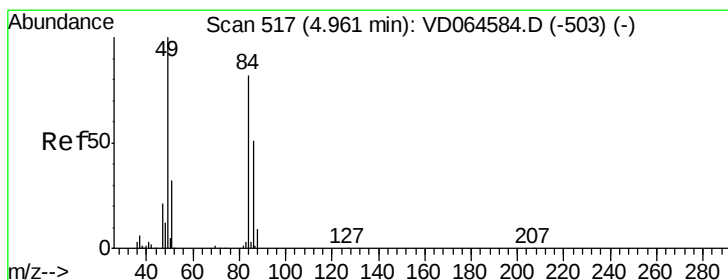
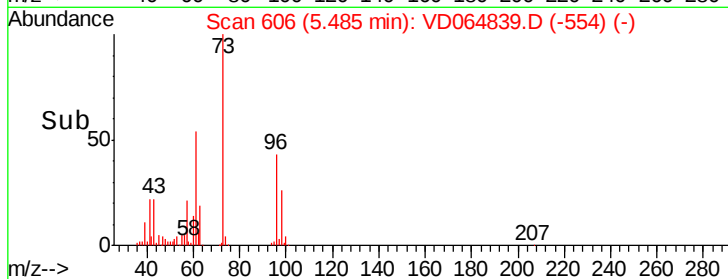
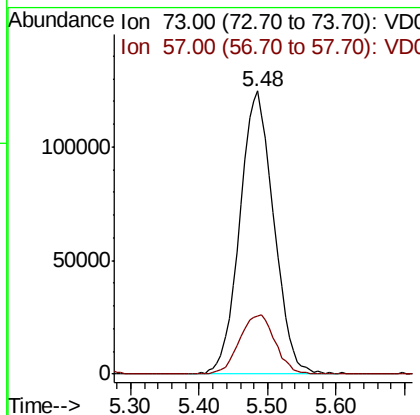
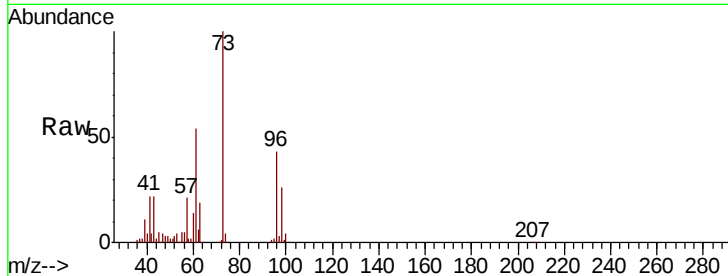
Methyl tert-butyl Ether
 Concen: 56.373 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.5	18.6	27.8

Manual Integrations
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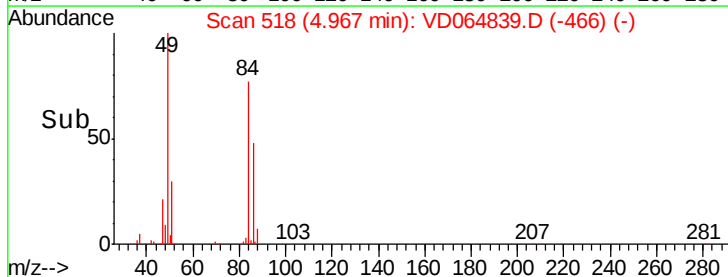
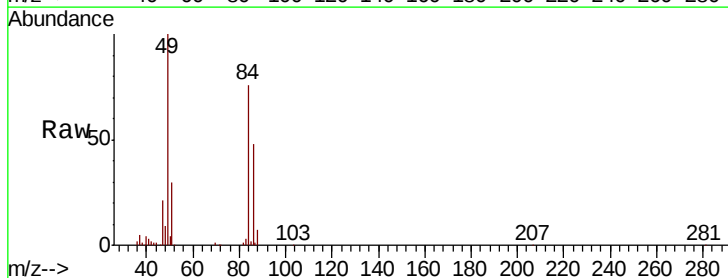
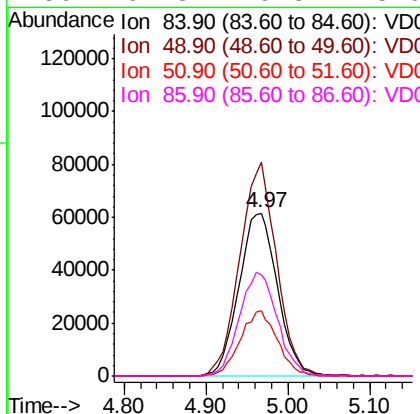
MMDadoda
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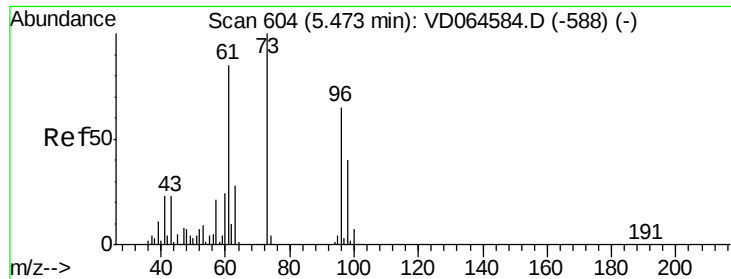


#20

Methylene Chloride
 Concen: 58.360 ug/l
 RT: 4.97 min Scan# 518
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
84	100		
49	131.0	97.2	145.8
51	39.8	31.4	47.0
86	62.3	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 51.700 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

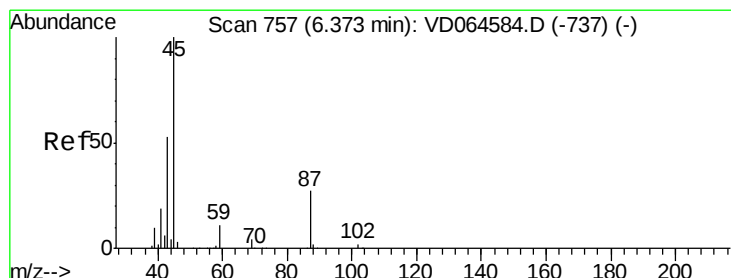
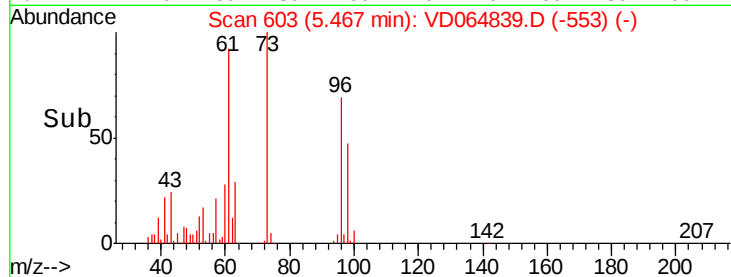
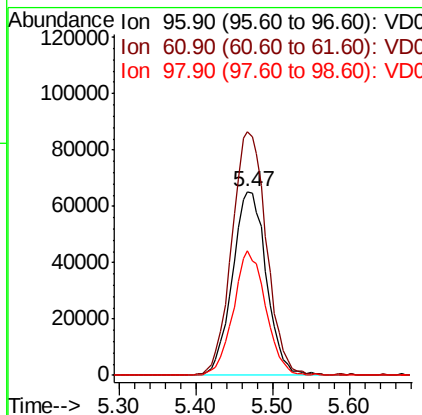
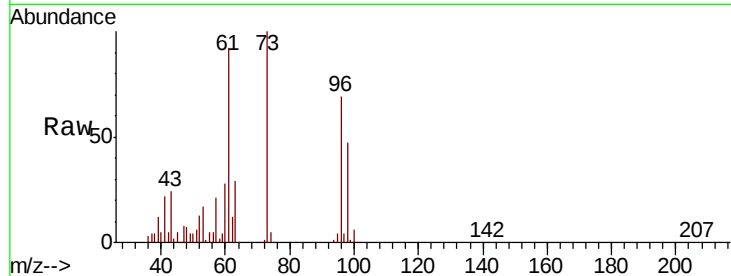
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	201614
Ion	Ratio	Lower	Upper
96	100		
61	132.4	104.7	157.1
98	67.5	49.4	74.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 56.888 ug/l

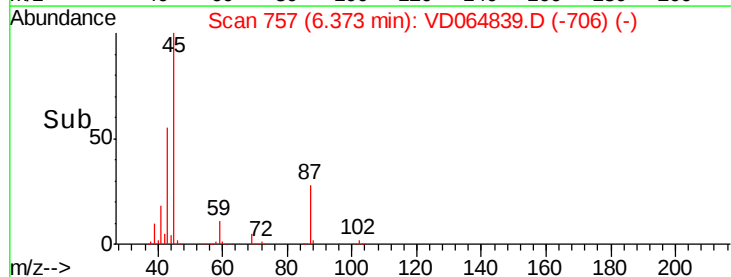
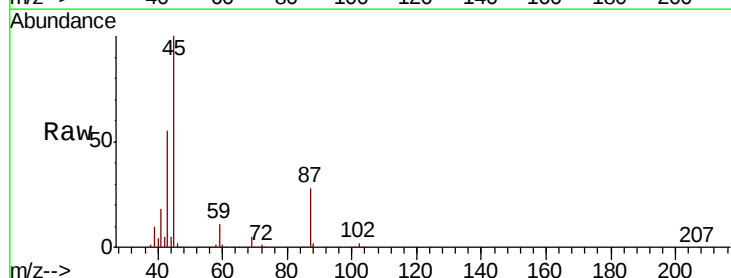
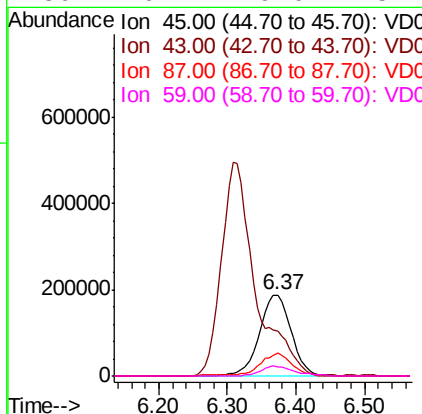
RT: 6.37 min Scan# 757

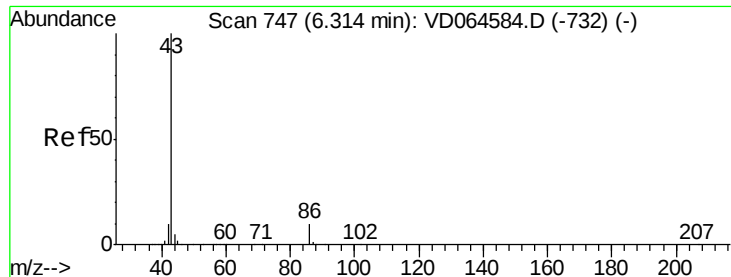
Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion:	45	Resp:	605778
Ion	Ratio	Lower	Upper
45	100		
43	55.0	43.2	64.8
87	27.9	21.9	32.9
59	10.7	9.0	13.4





#23

Vinyl Acetate

Concen: 281.492 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1700383

Ion Ratio Lower Upper

43 100

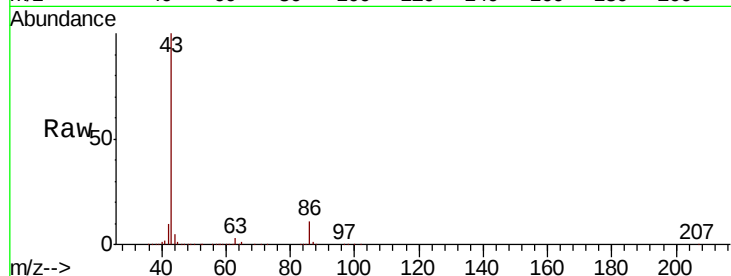
86 10.8 8.3 12.5

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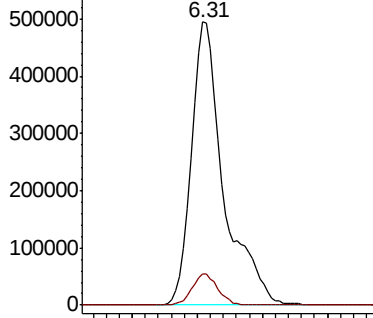
MMDadoda

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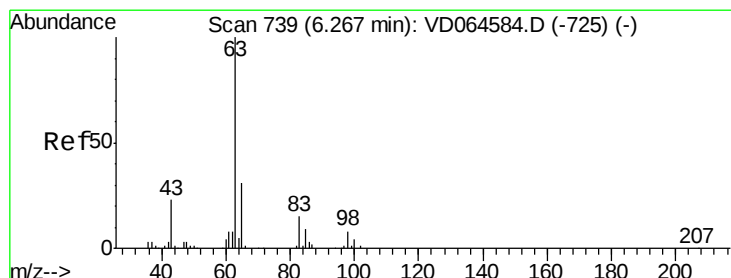
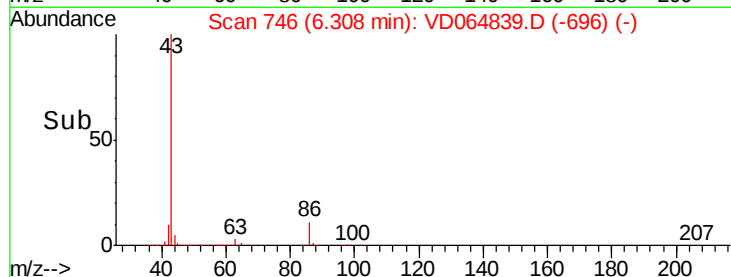


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 56.407 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

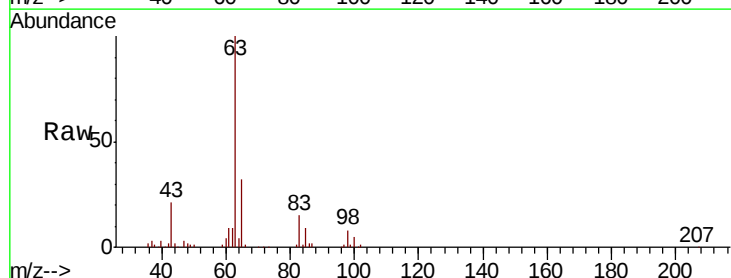
Tgt Ion: 63 Resp: 360597

Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

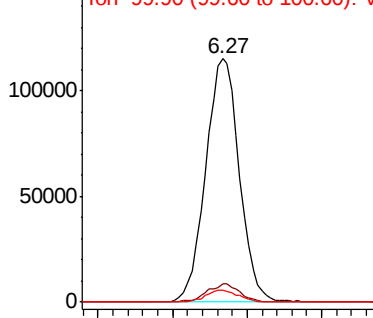
100 4.7 2.2 6.6



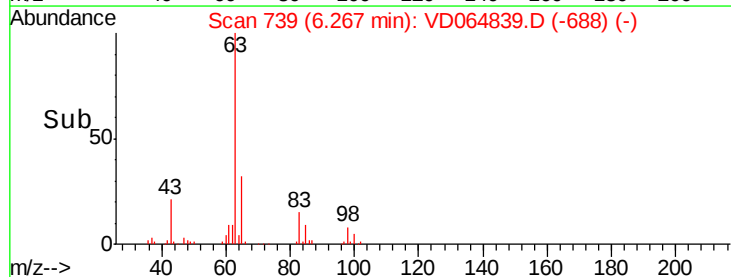
Abundance Ion 62.90 (62.60 to 63.60): VDC

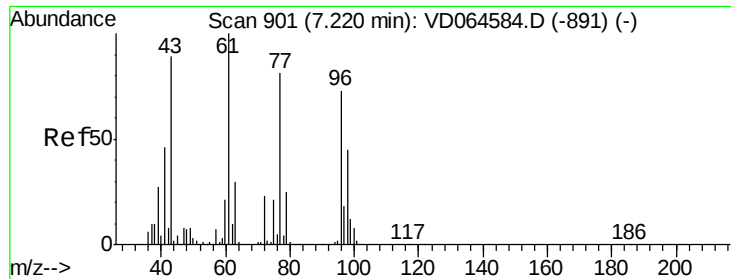
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





#25

2-Butanone

Concen: 300.546 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 283530

Ion Ratio Lower Upper

43 100

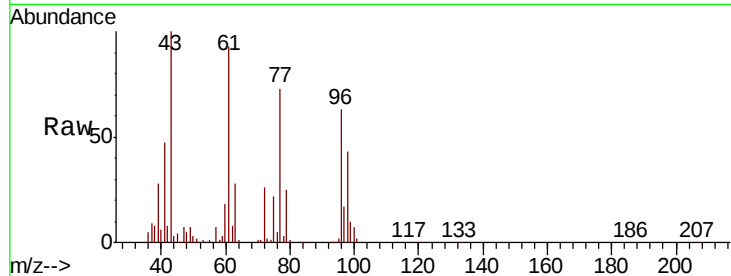
72 25.7 20.7 31.1

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

120000

100000

80000

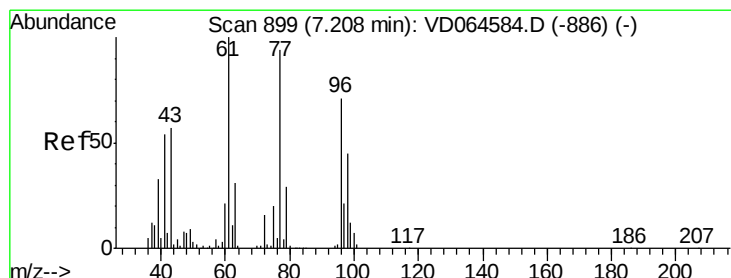
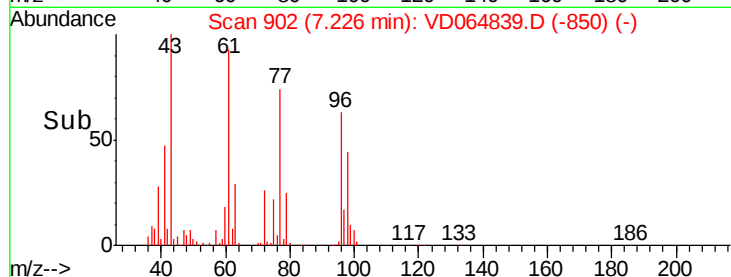
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 54.306 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064839.D

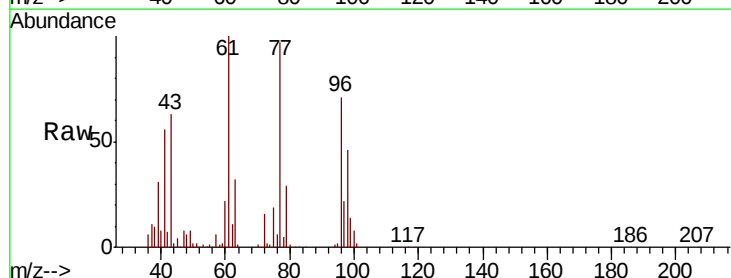
Acq: 10 Jan 2020 18:30

Tgt Ion: 77 Resp: 322778

Ion Ratio Lower Upper

77 100

97 22.1 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

120000

100000

80000

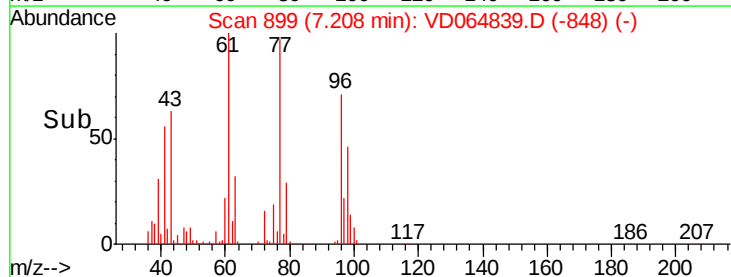
60000

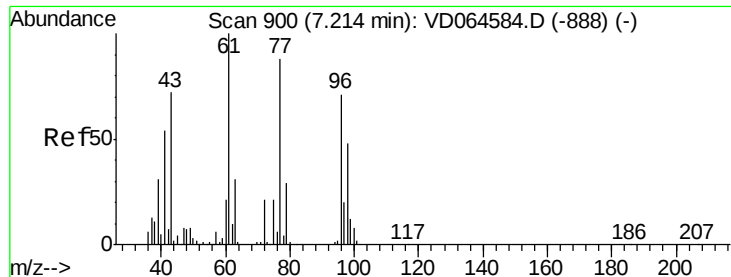
40000

20000

0

Time-->





#27

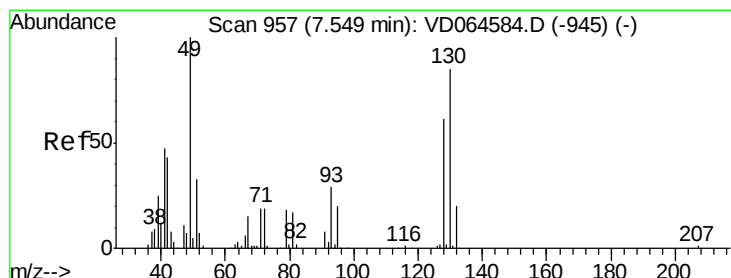
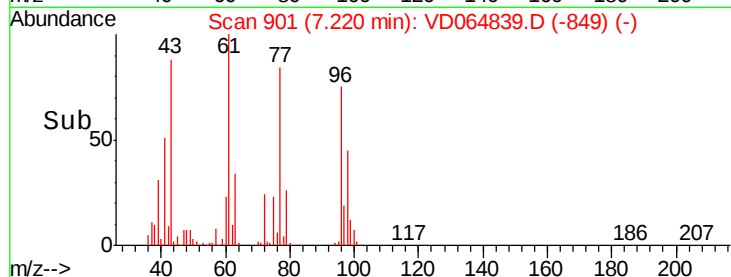
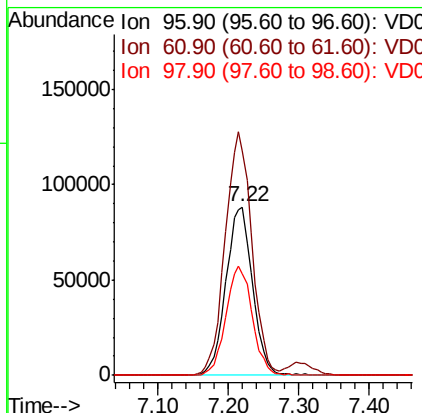
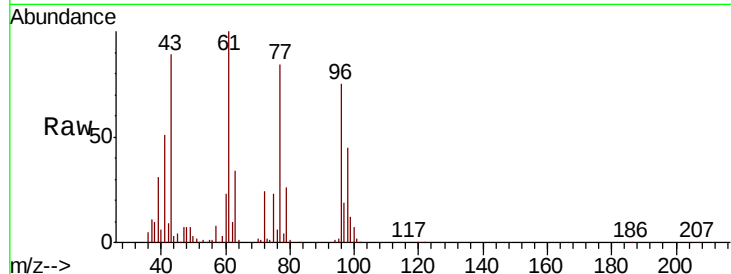
cis-1,2-Dichloroethene
Concen: 54.855 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	144.7	0.0	282.6	
98	64.3	0.0	130.8	

Manual Integrations
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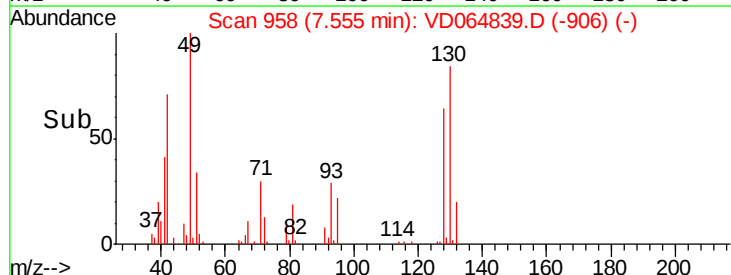
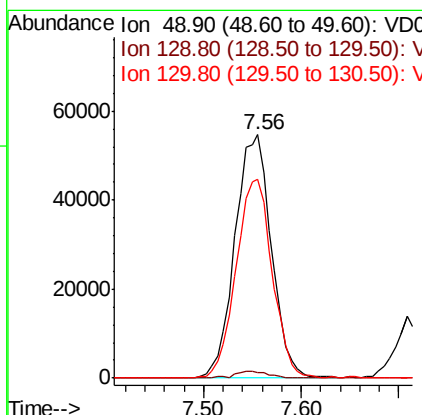
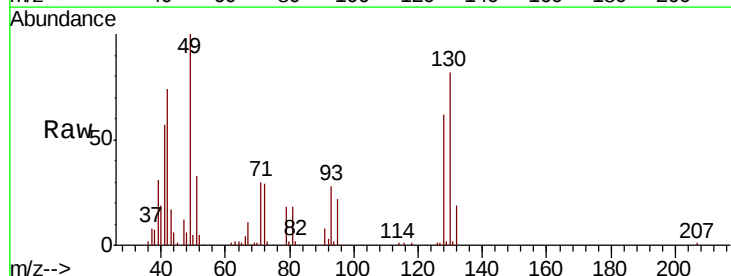
MMDadoda
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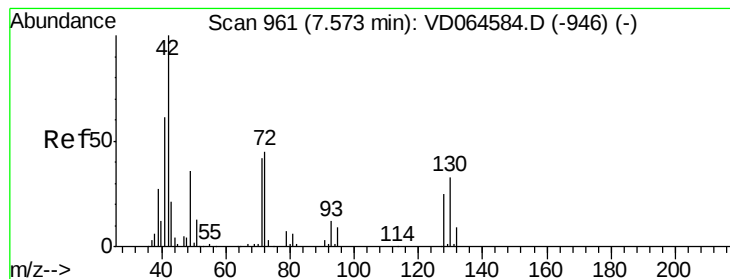


#28

Bromochloromethane
Concen: 57.311 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.7	0.0	4.8	
130	80.8	65.0	97.6	





#29

Tetrahydrofuran

Concen: 282.285 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

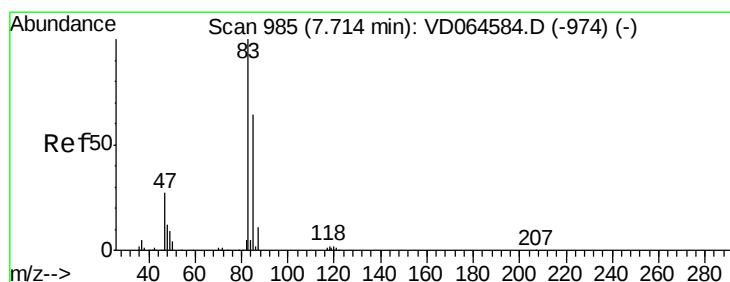
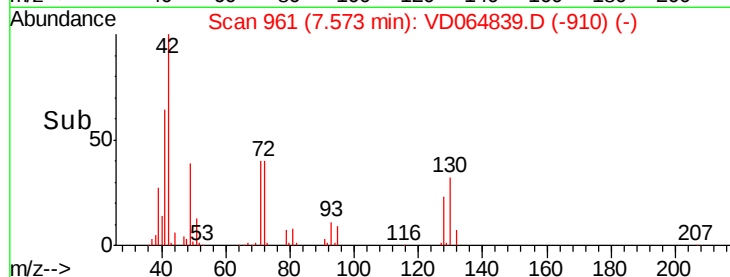
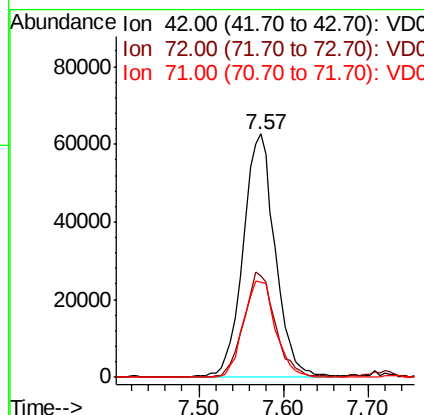
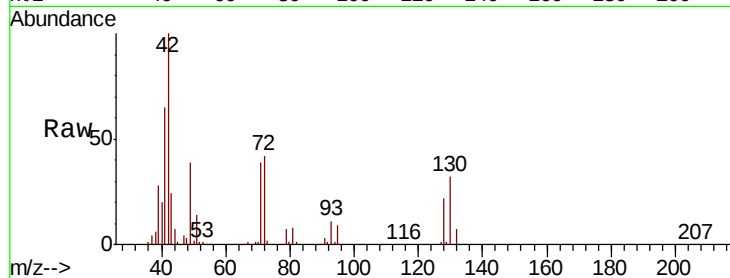
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	165607
Ion Ratio		Lower	Upper
42	100		
72	42.0	35.0	52.4
71	39.8	32.9	49.3

Manual Integrations
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#30

Chloroform

Concen: 55.315 ug/l

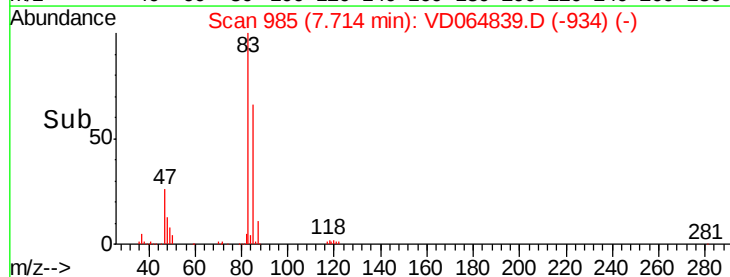
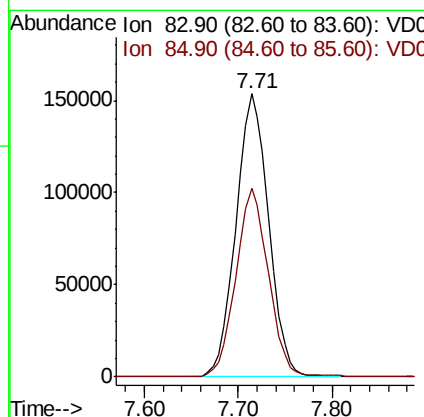
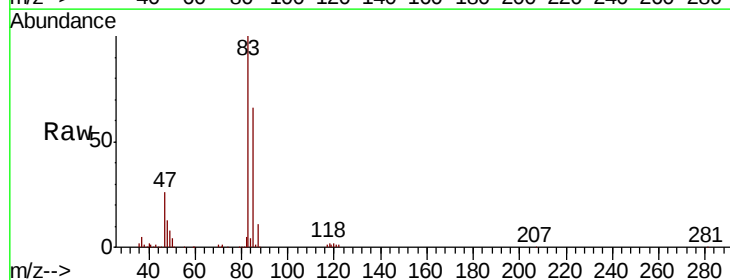
RT: 7.71 min Scan# 985

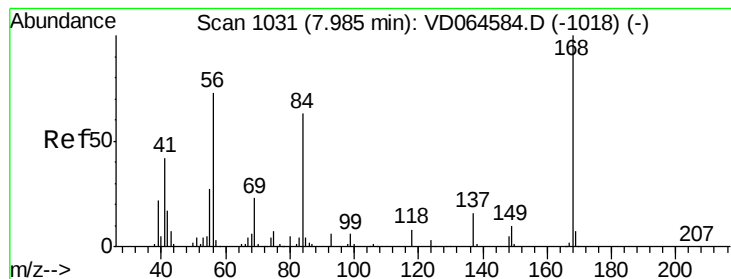
Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion:	83	Resp:	371006
Ion Ratio		Lower	Upper
83	100		
85	66.5	51.1	76.7





#31

Cyclohexane

Concen: 48.967 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 313347

Ion Ratio Lower Upper

56 100

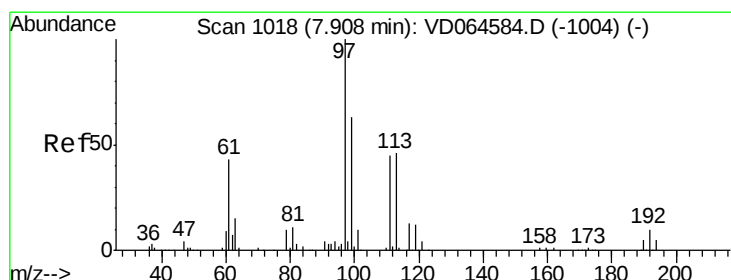
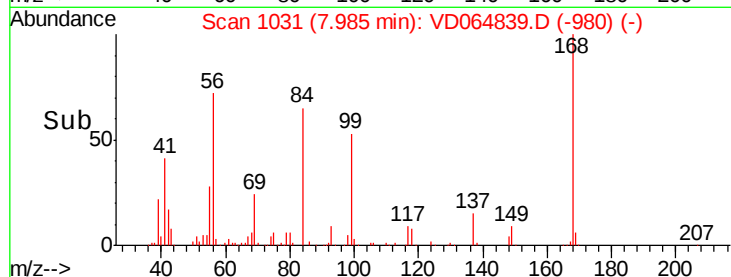
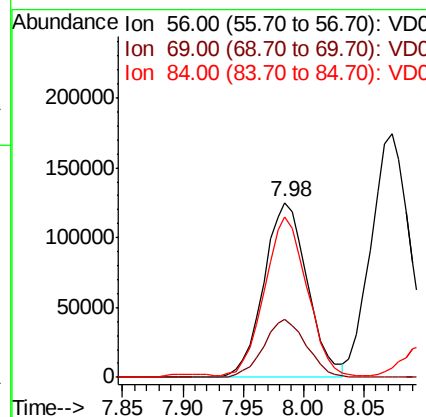
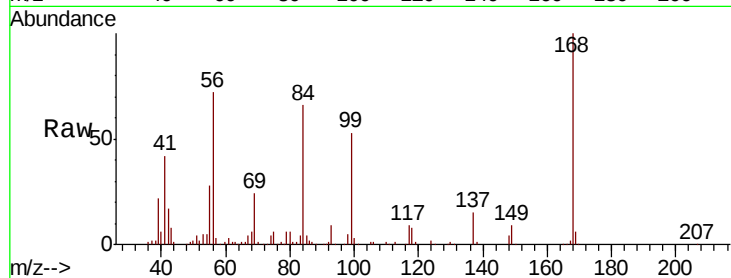
69 33.0 24.7 37.1

84 90.4 69.4 104.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 54.480 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

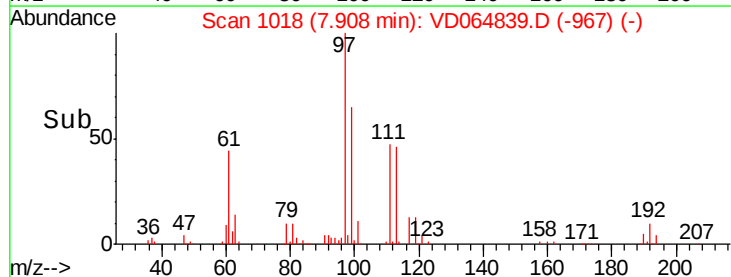
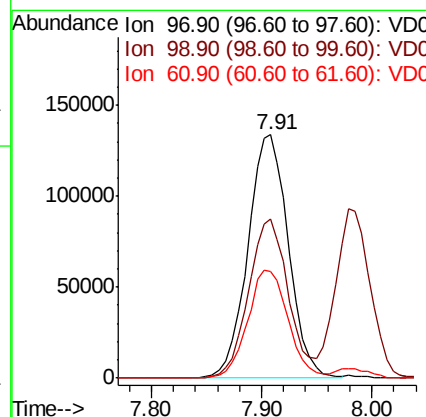
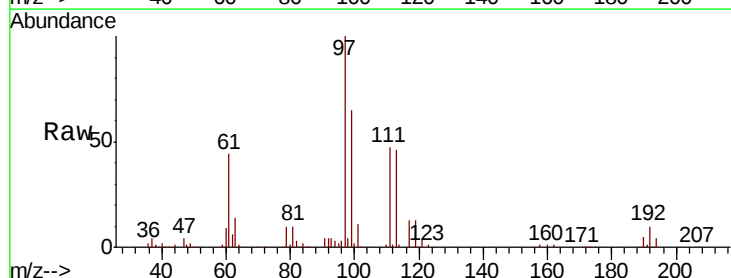
Tgt Ion: 97 Resp: 343209

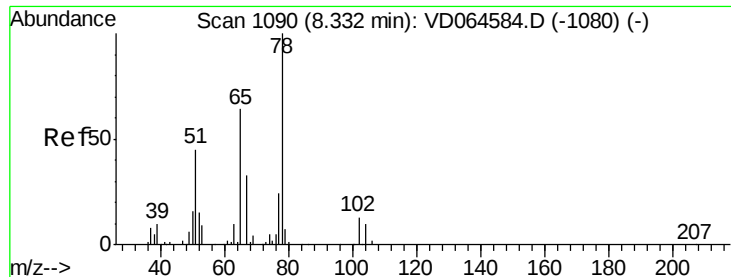
Ion Ratio Lower Upper

97 100

99 64.8 51.0 76.6

61 44.3 35.4 53.0





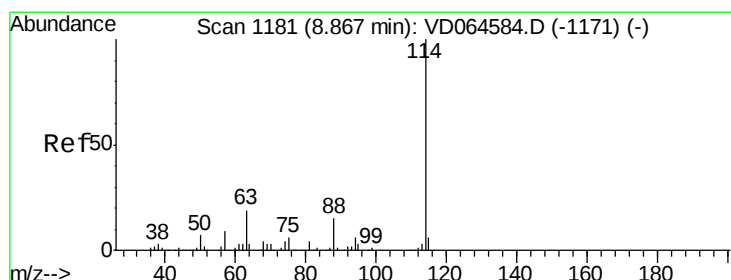
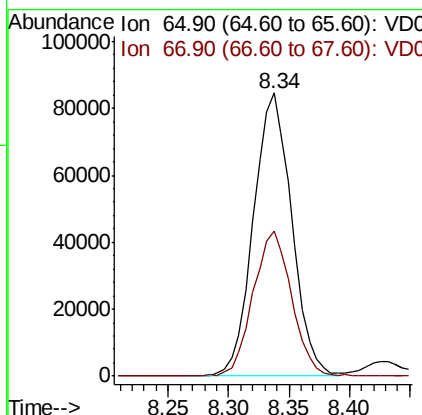
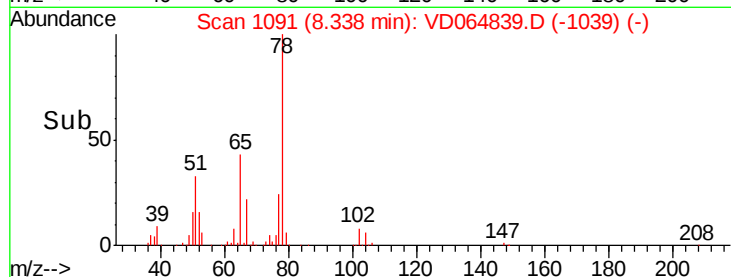
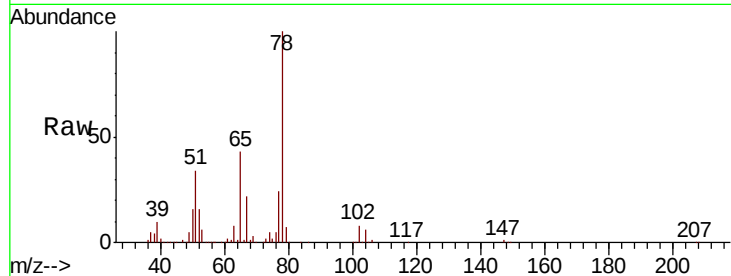
#33
 1,2-Dichloroethane-d4
 Concen: 54.516 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	187100		
67	51.6	0.0	106.2	

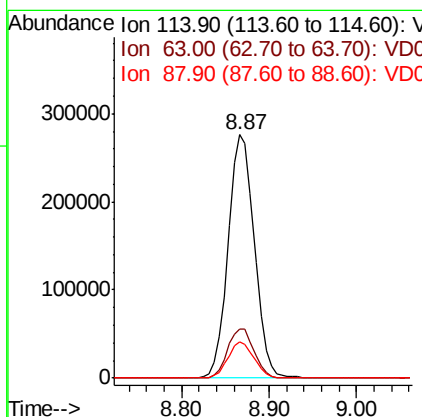
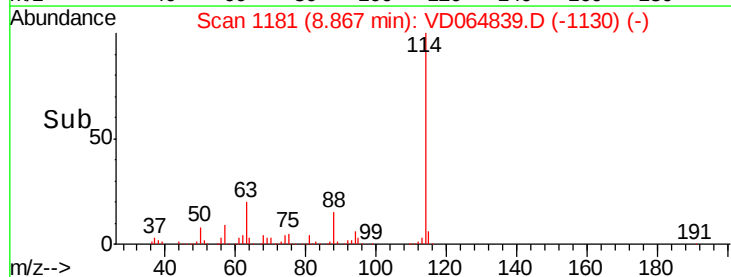
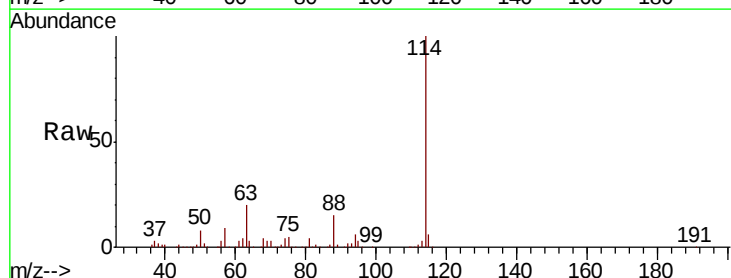
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	564590		
63	20.2	0.0	38.0	
88	14.7	0.0	29.2	





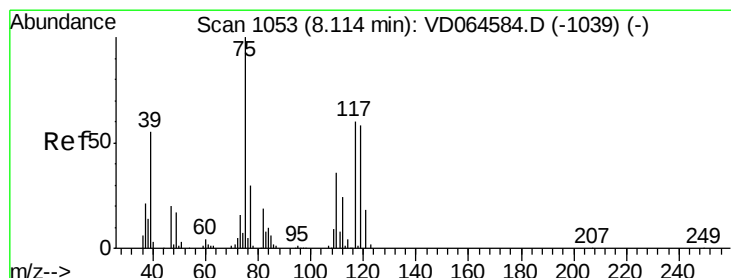
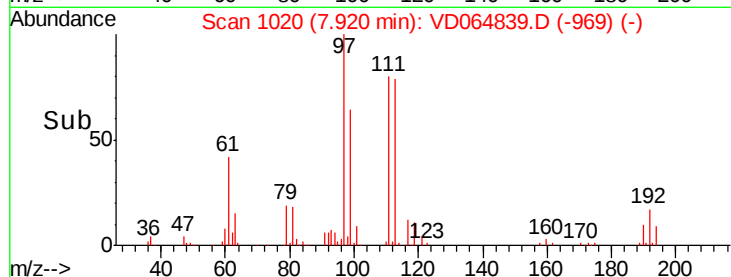
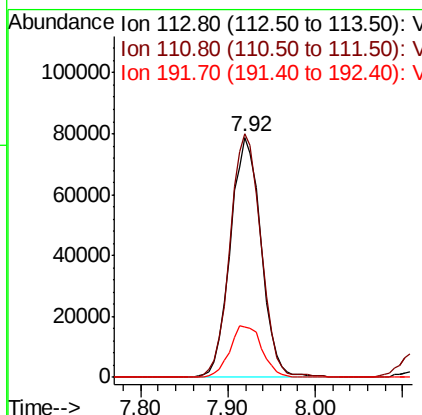
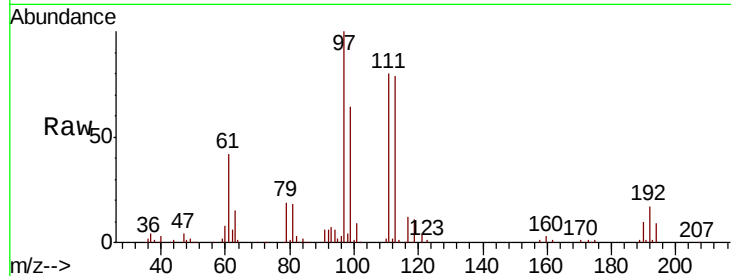
#35
 Dibromofluoromethane
 Concen: 54.117 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	187453		
111	102.2	80.6	121.0	
192	22.4	17.9	26.9	

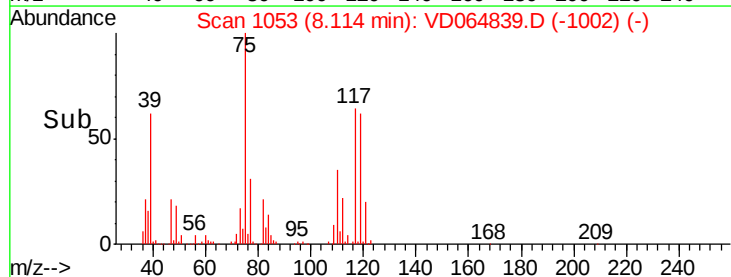
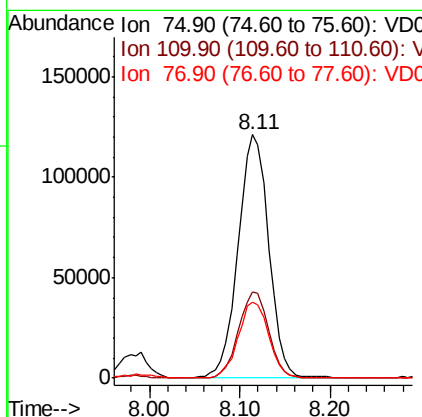
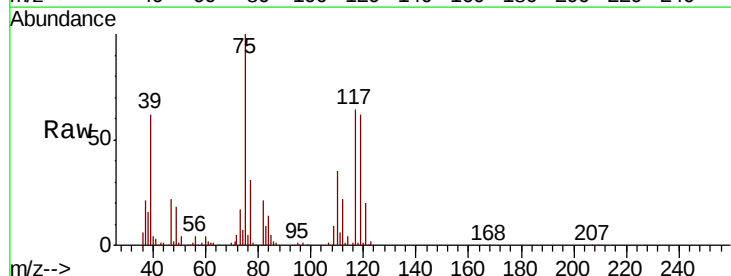
Manual Integrations
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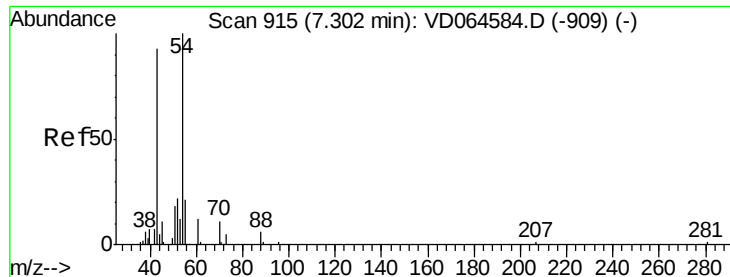
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#36
 1,1-Dichloropropene
 Concen: 52.179 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	283547		
110	34.8	18.1	54.1	
77	31.6	24.2	36.4	





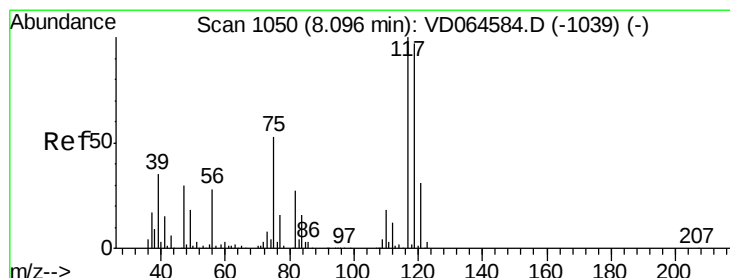
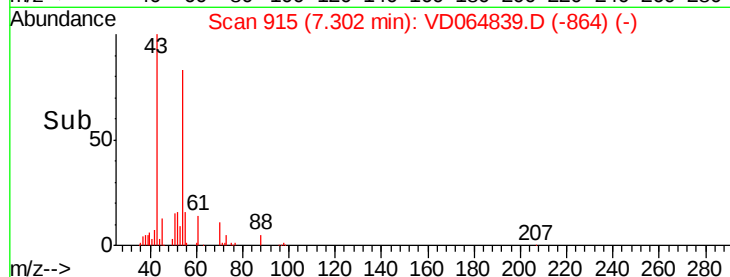
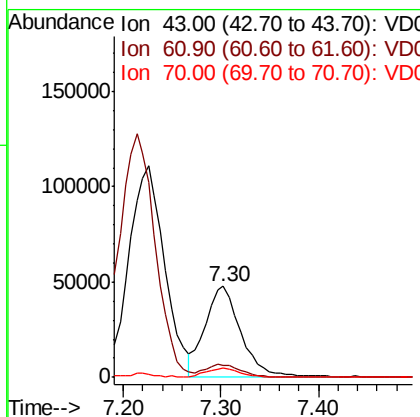
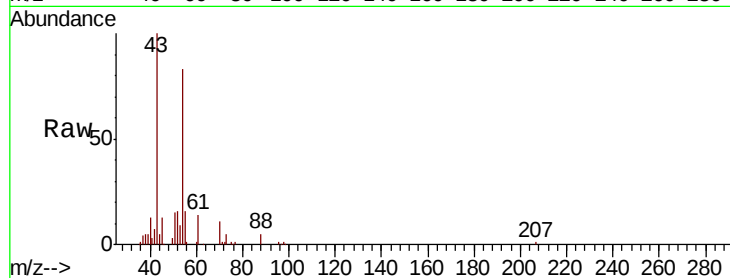
#37
Ethyl Acetate
Concen: 56.175 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.3	15.5
70	9.8	7.6	11.4

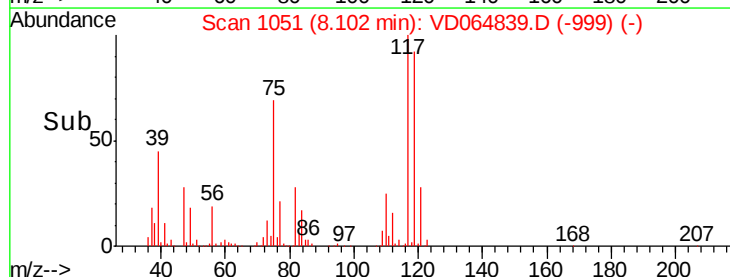
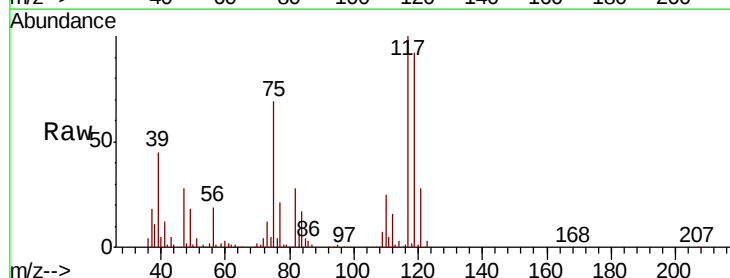
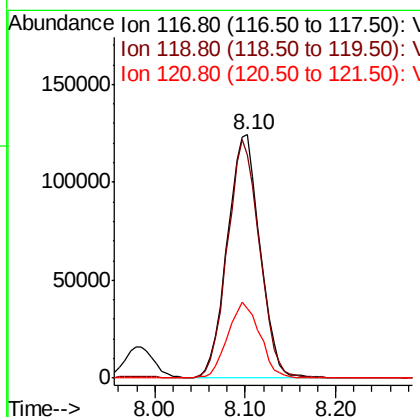
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 53.479 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.6	77.3	115.9
121	28.5	25.0	37.6





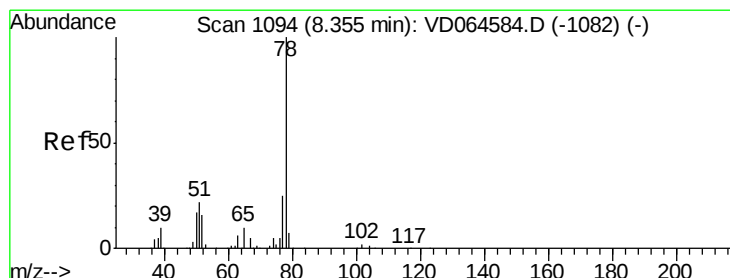
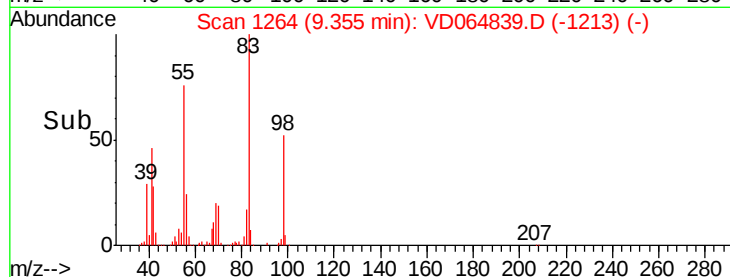
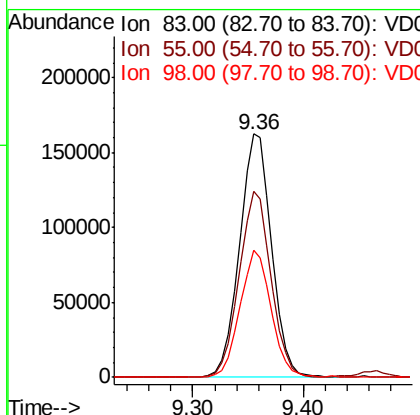
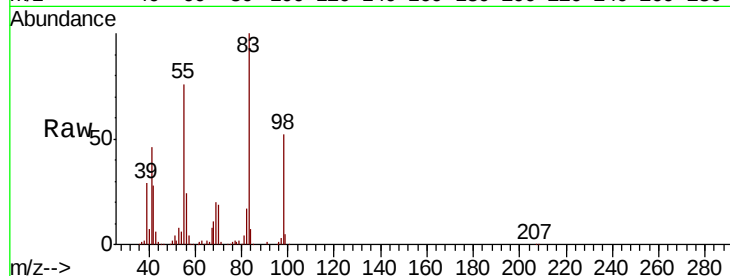
#39
Methvlcvclohexane
Concen: 50.402 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.3	57.8	86.6
98	52.2	38.7	58.1

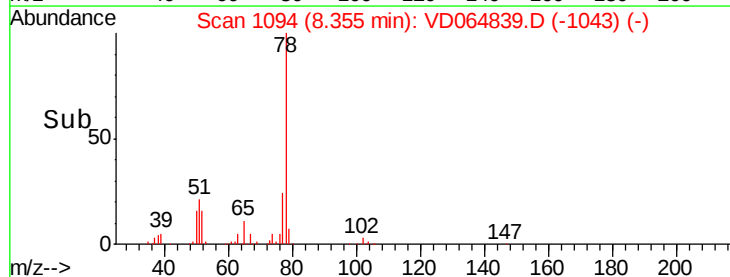
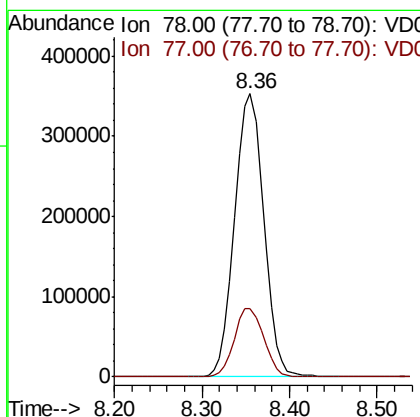
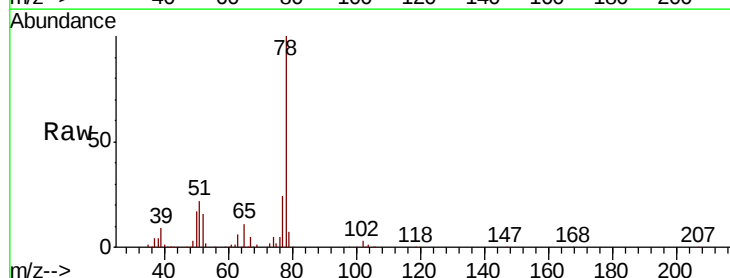
Manual Integrations
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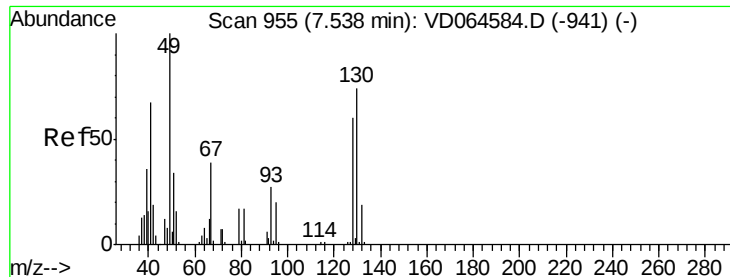
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#40
Benzene
Concen: 53.953 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.9	29.9





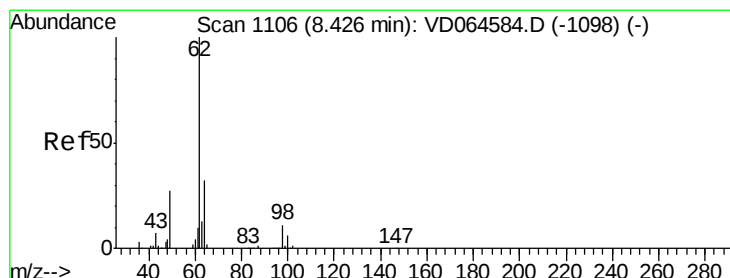
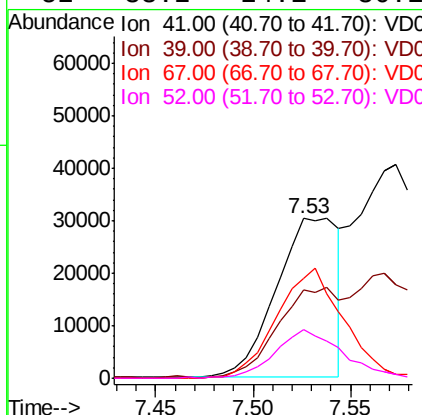
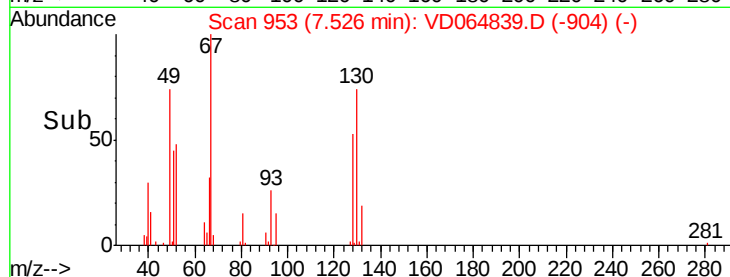
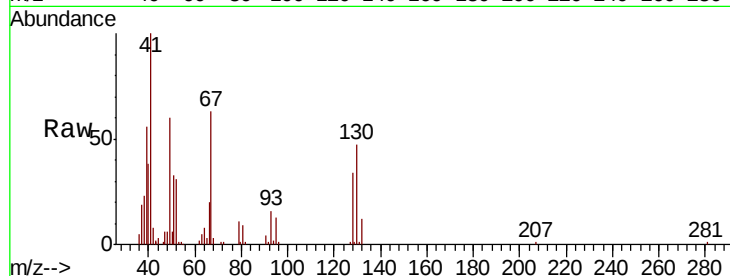
#41
Methacrylonitrile
Concen: 54.204 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	67139
Ion	Ratio	Lower	Upper
41	100		
39	55.6	46.7	70.1
67	74.2	52.5	78.7
52	33.2	24.1	36.1

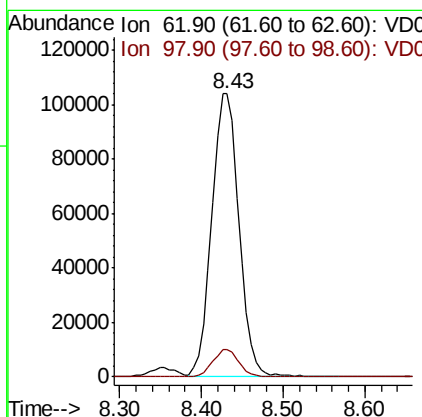
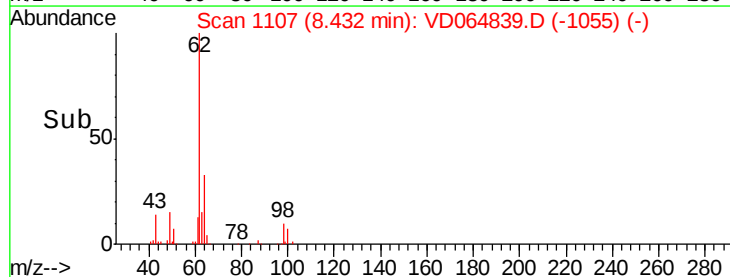
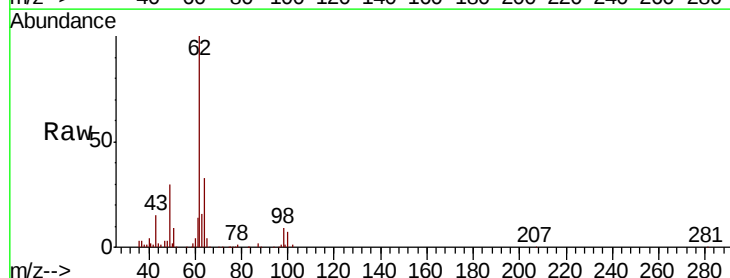
Manual Integrations
APPROVED

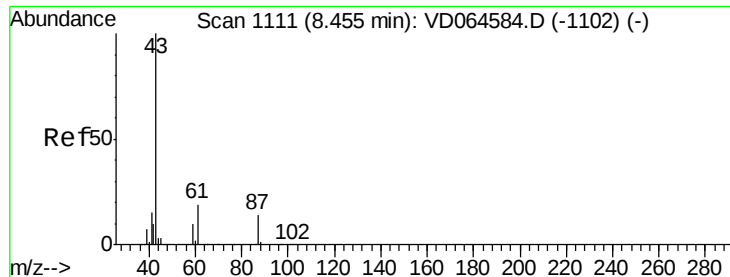
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#42
1,2-Dichloroethane
Concen: 56.182 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion:	62	Resp:	240846
Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 55.282 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

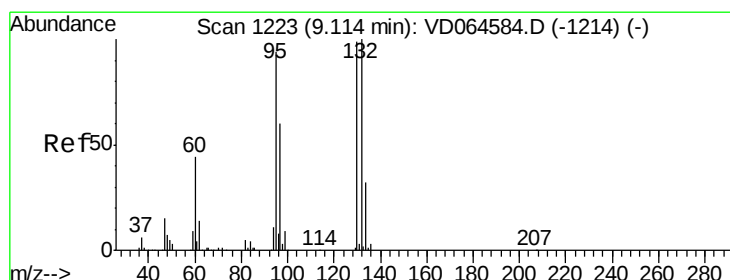
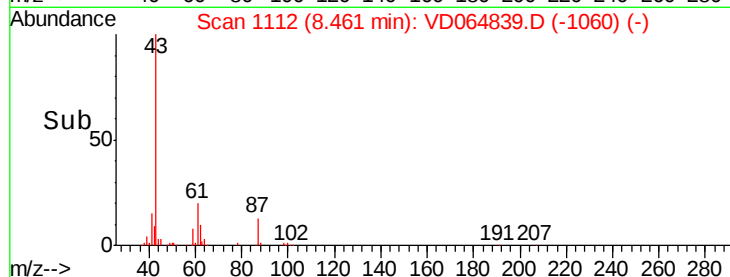
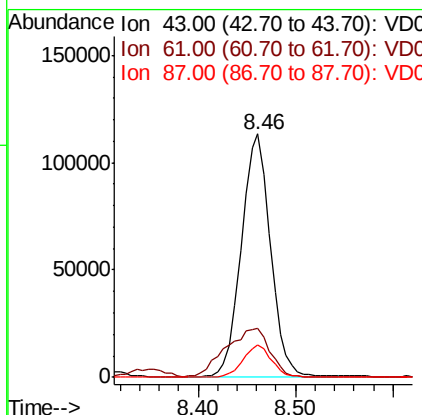
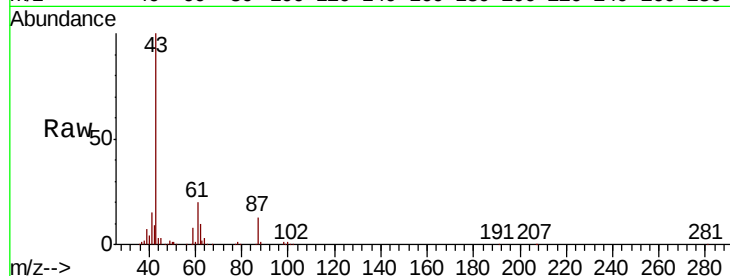
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	234901
Ion	Ratio	Lower	Upper
43	100		
61	30.4	23.7	35.5
87	12.9	10.5	15.7

Manual Integrations
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#44

Trichloroethene

Concen: 52.585 ug/l

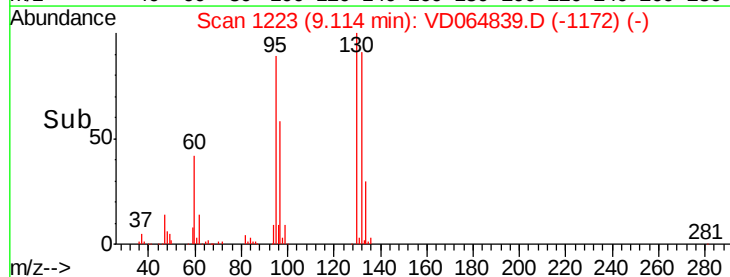
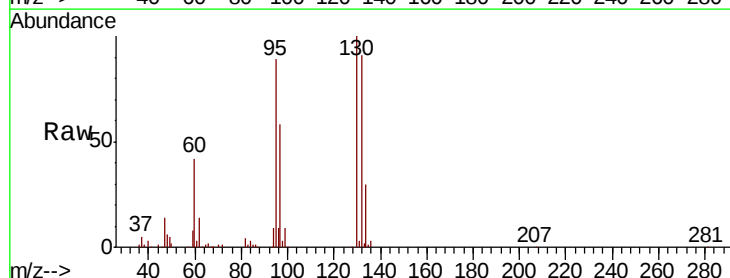
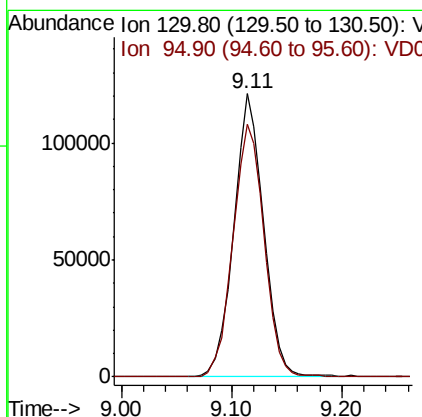
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion:	130	Resp:	229164
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	190.2





#45

1,2-Dichloropropane

Concen: 55.930 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 198102

Ion Ratio Lower Upper

63 100

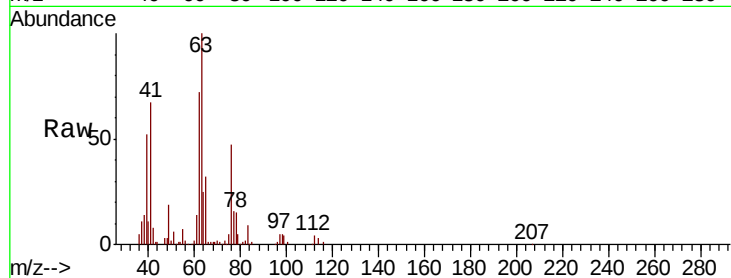
65 31.9 25.2 37.8

Manual Integrations

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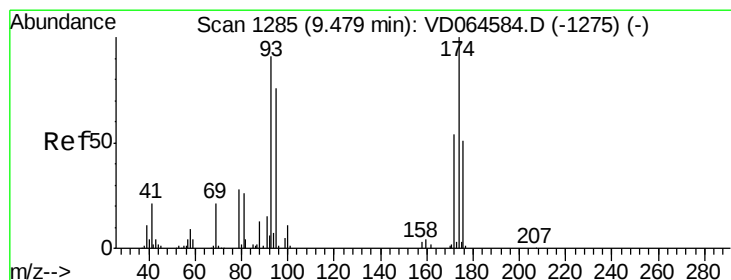
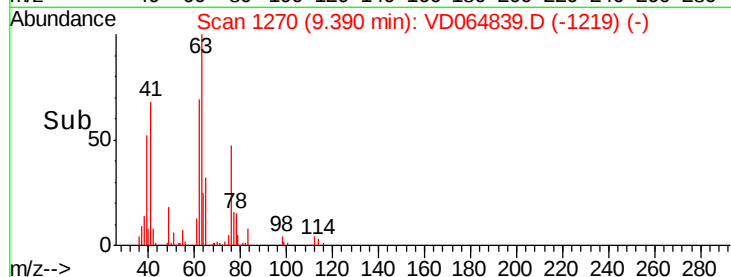
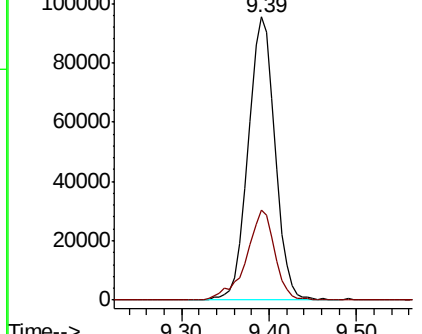
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 55.074 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

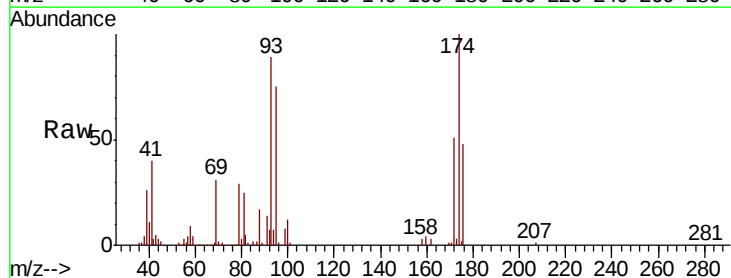
Tgt Ion: 93 Resp: 108759

Ion Ratio Lower Upper

93 100

95 78.6 64.6 97.0

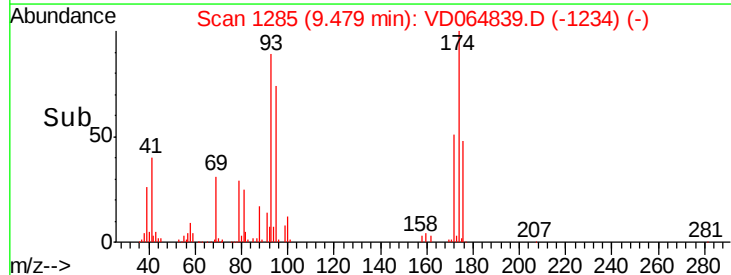
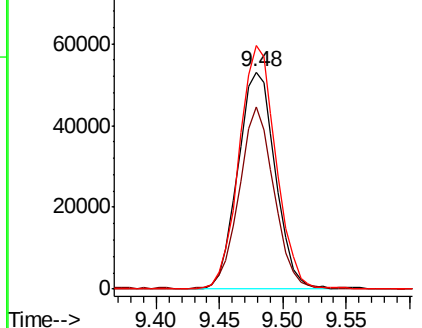
174 110.9 88.1 132.1

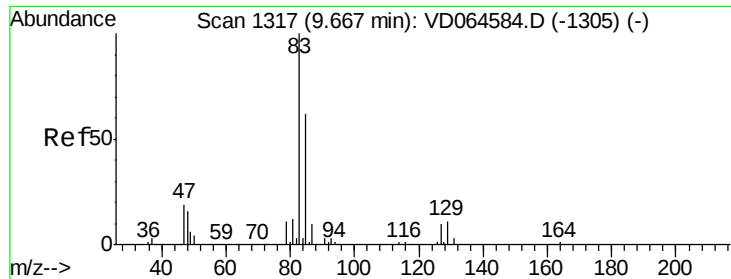


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 55.549 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

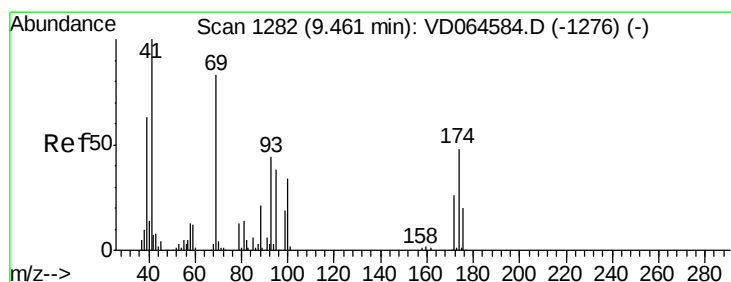
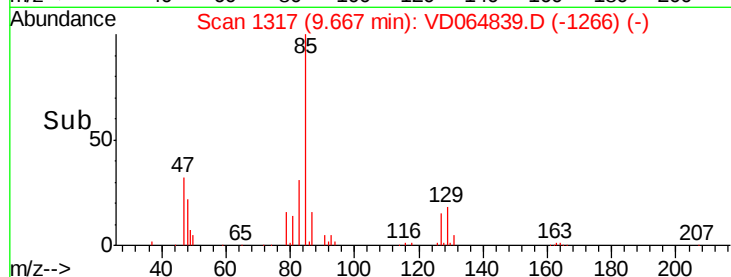
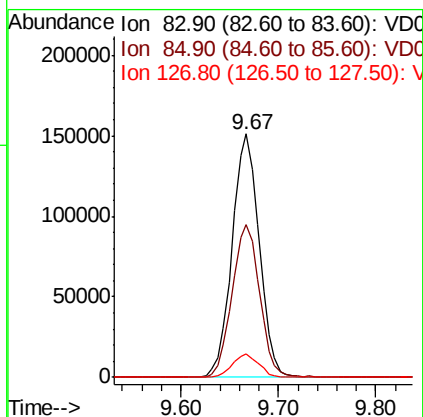
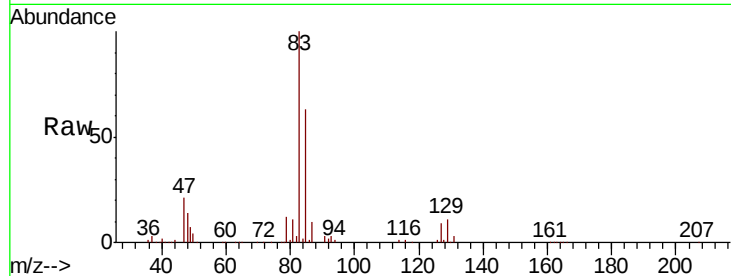
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	291897
Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.5	74.3
127	9.4	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.045 ug/l

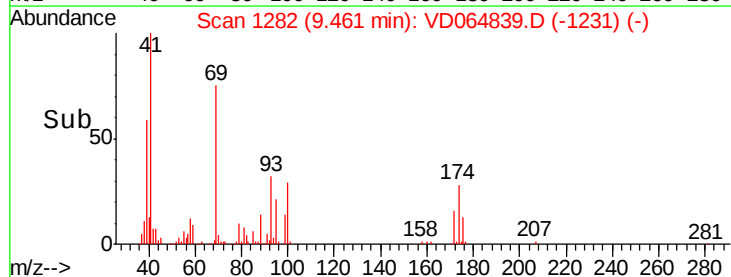
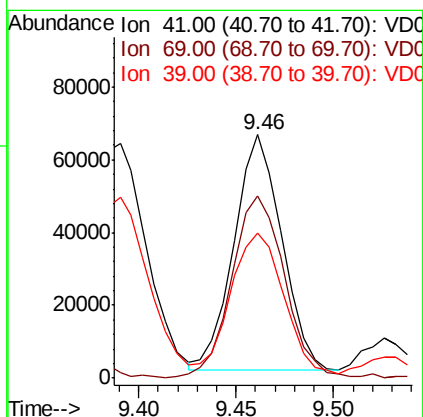
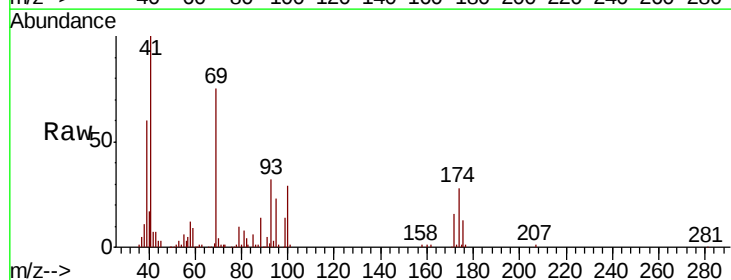
RT: 9.46 min Scan# 1282

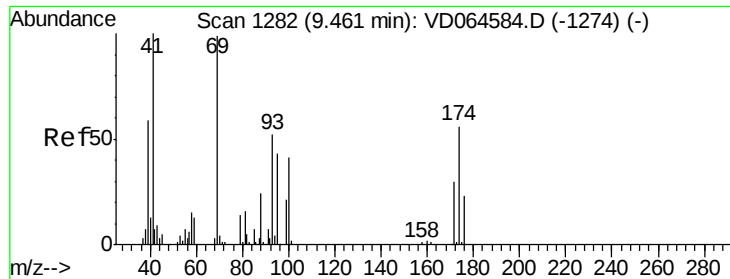
Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion:	41	Resp:	110131
Ion	Ratio	Lower	Upper
41	100		
69	84.3	63.0	94.6
39	65.5	47.4	71.2





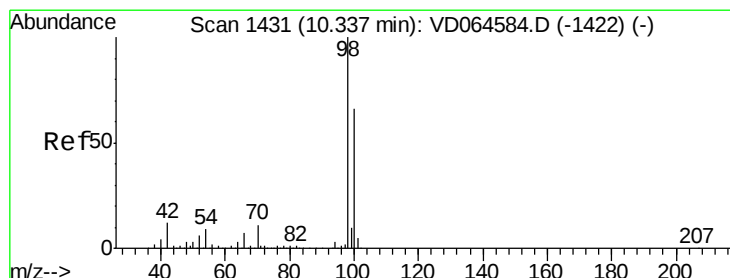
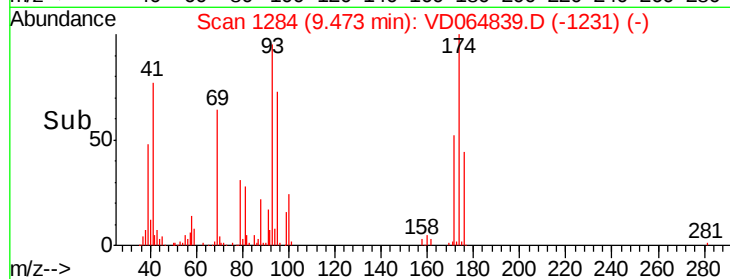
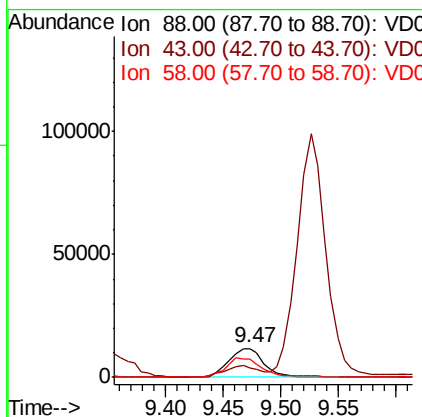
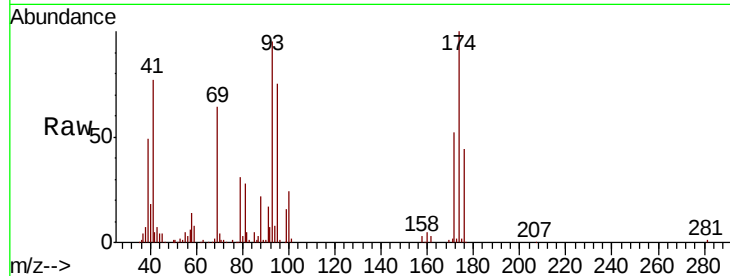
#49
1,4-Dioxane
Concen: 1101.516 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	27.7	41.5
58	64.9	53.8	80.6

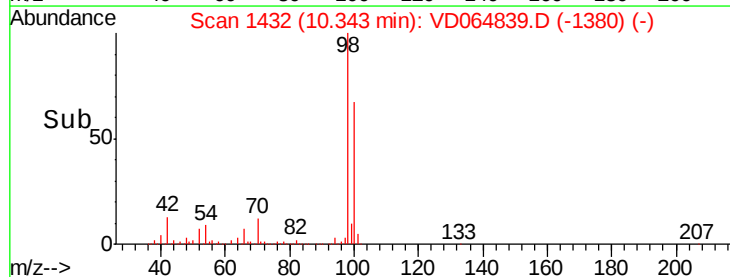
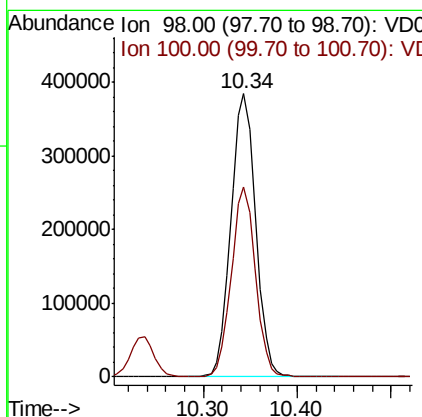
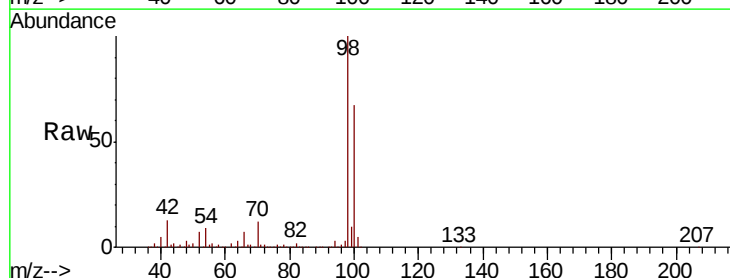
Manual Integrations
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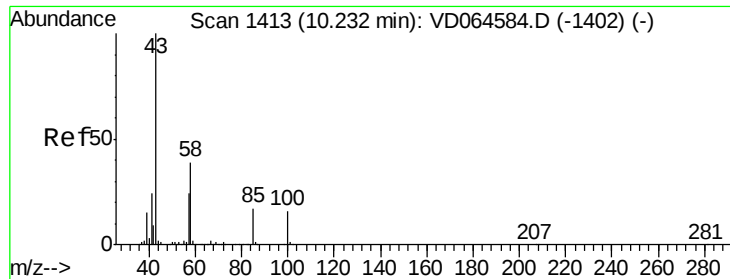
MMDadoda
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#50
Toluene-d8
Concen: 53.130 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 285.975 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 600627

Ion Ratio Lower Upper

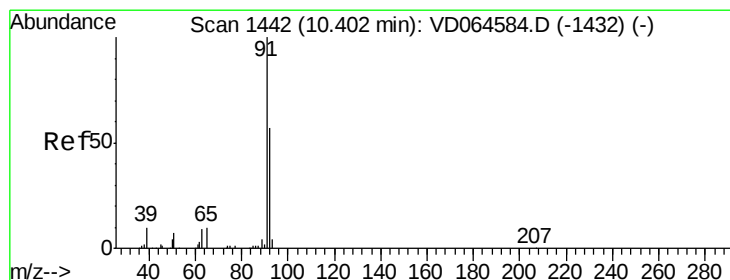
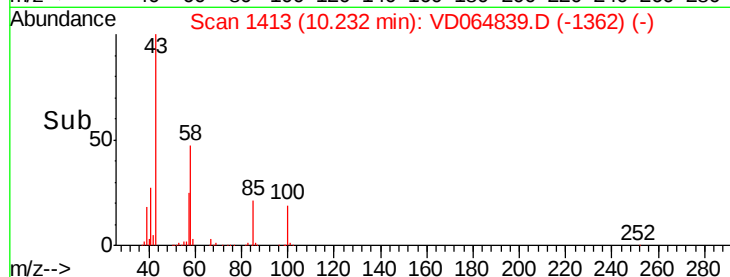
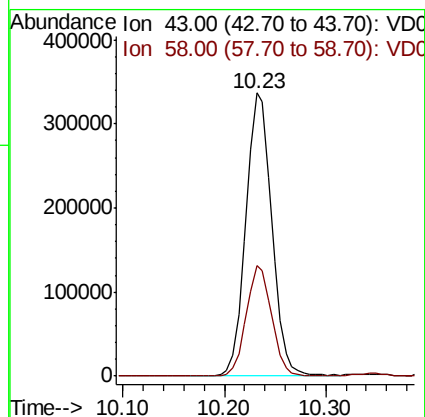
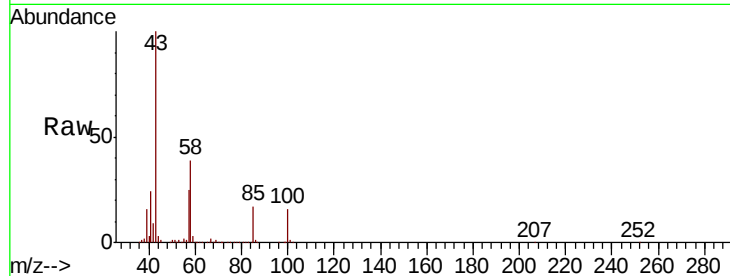
43 100

58 37.9 30.2 45.2

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#52

Toluene

Concen: 54.033 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD064839.D

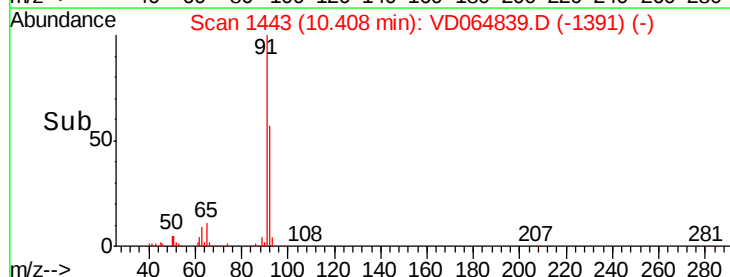
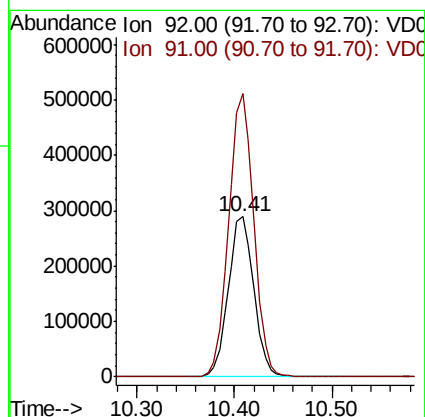
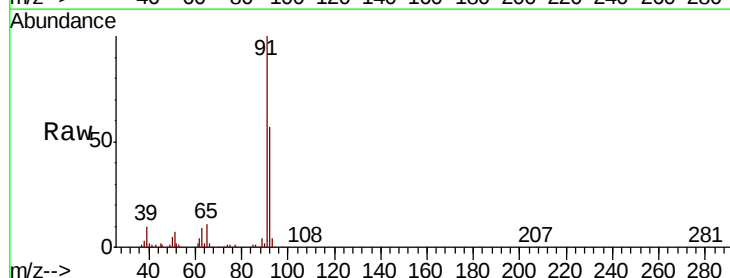
Acq: 10 Jan 2020 18:30

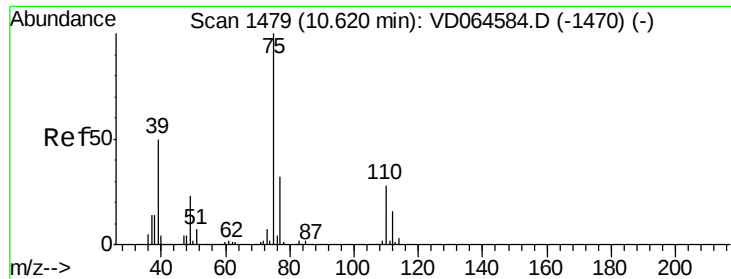
Tgt Ion: 92 Resp: 525886

Ion Ratio Lower Upper

92 100

91 173.0 138.7 208.1





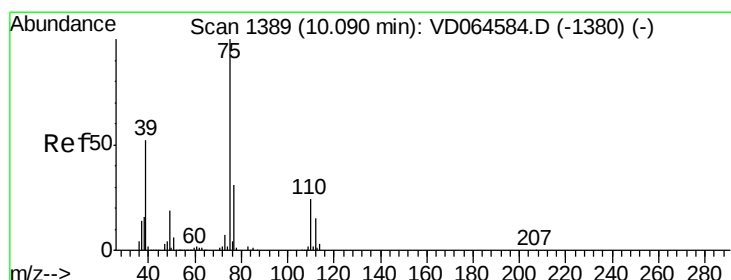
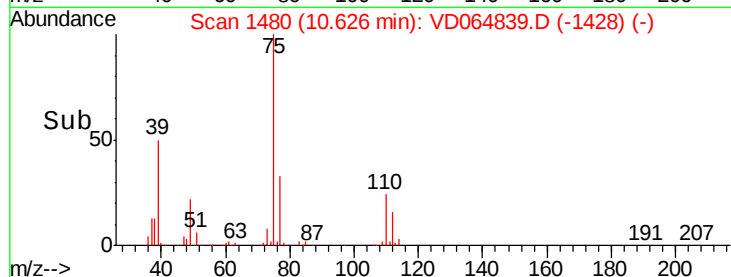
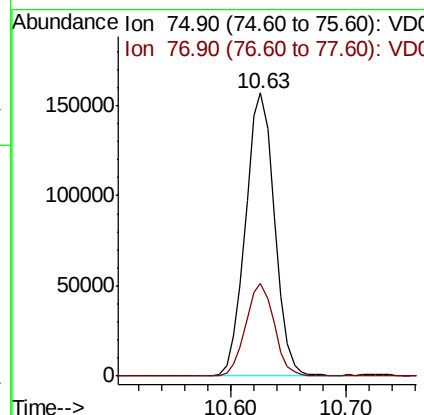
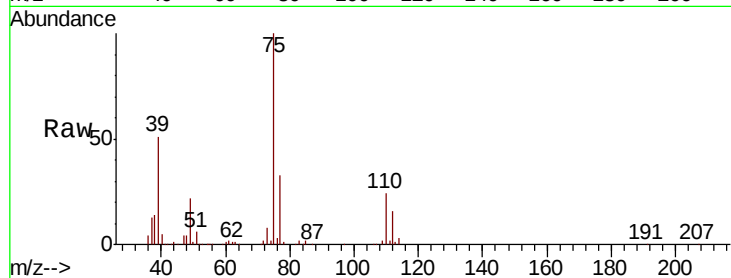
#53
t-1,3-Dichloropropene
Concen: 56.089 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 274788
Ion Ratio Lower Upper
75 100
77 32.7 25.4 38.2

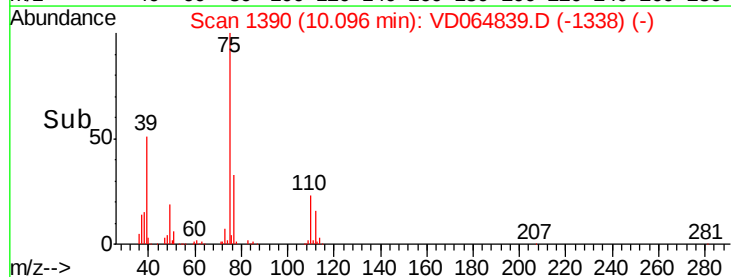
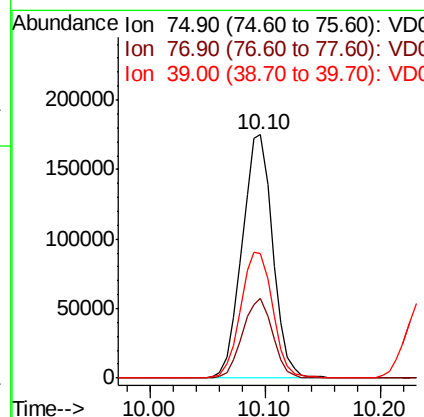
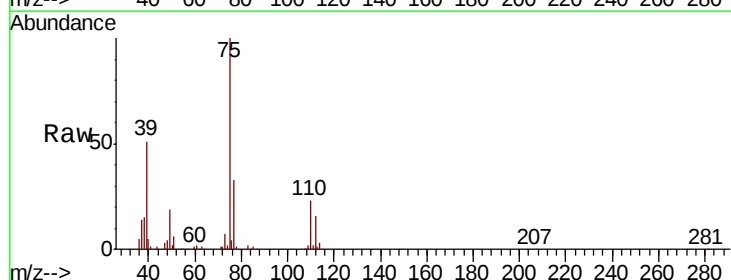
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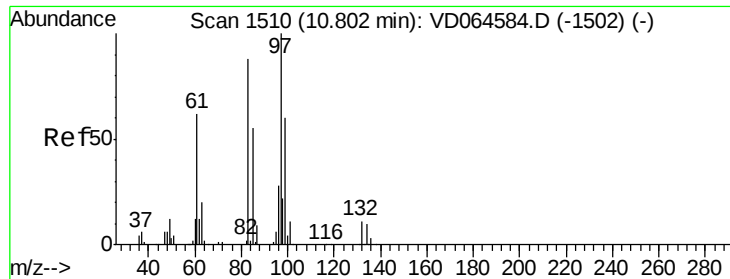
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#54
cis-1,3-Dichloropropene
Concen: 55.871 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 75 Resp: 322754
Ion Ratio Lower Upper
75 100
77 32.6 24.6 36.8
39 51.0 41.4 62.2





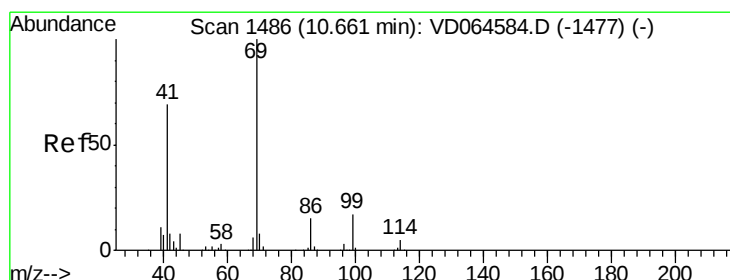
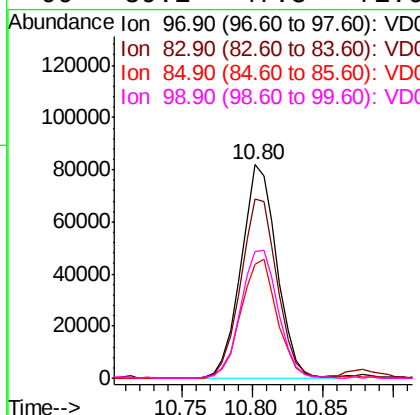
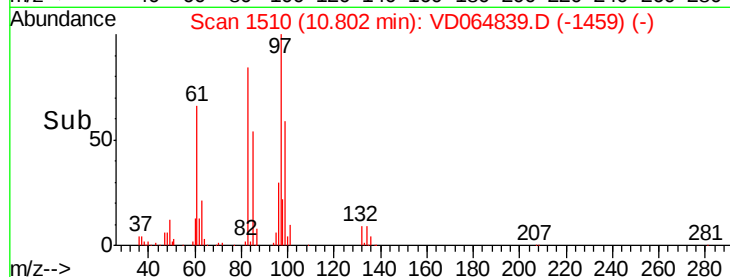
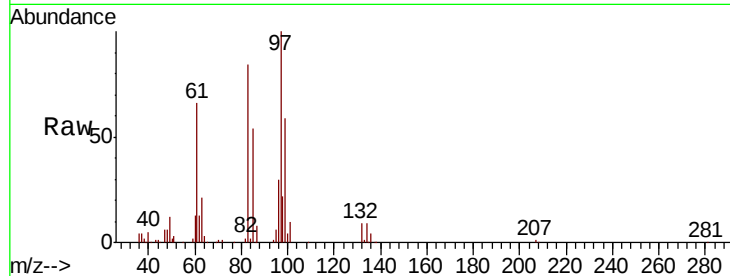
#55
 1,1,2-Trichloroethane
 Concen: 54.722 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.0	70.2	105.4
85	53.6	44.0	66.0
99	59.1	47.8	71.6

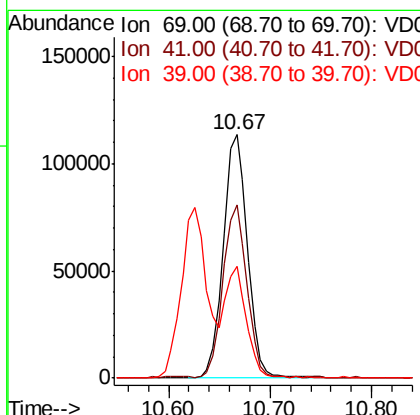
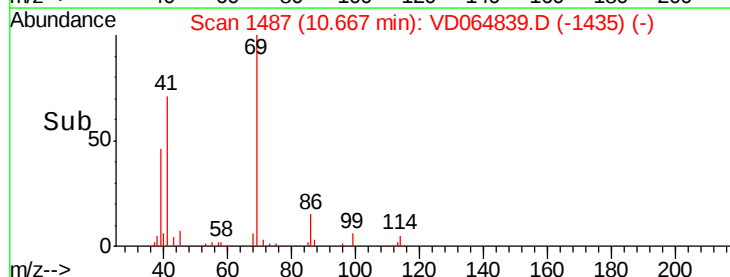
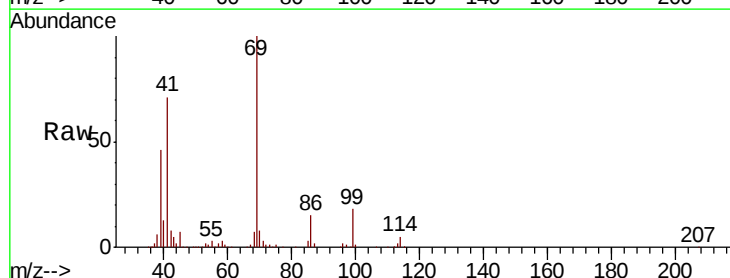
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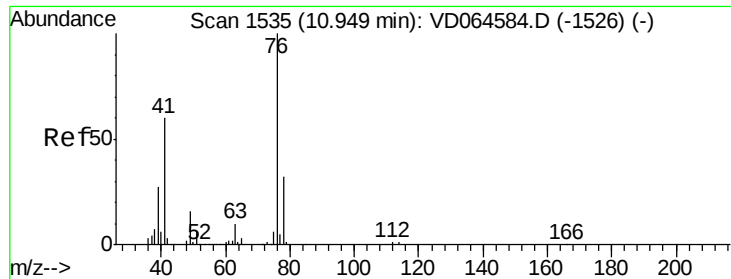
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#56
 Ethyl methacrylate
 Concen: 56.623 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.8	55.3	82.9
39	39.3	33.8	50.8





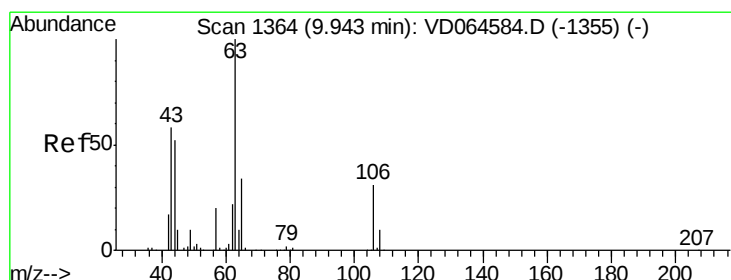
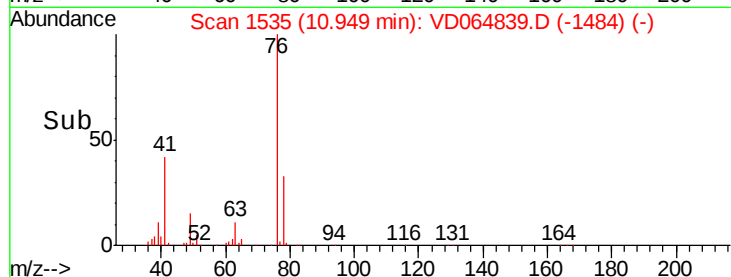
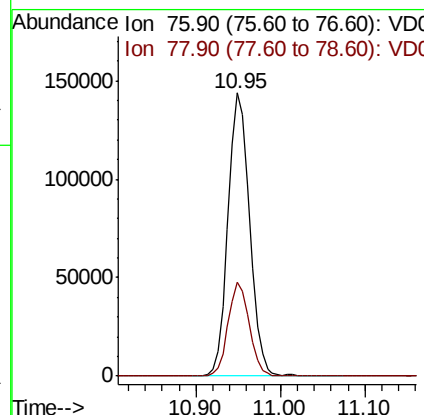
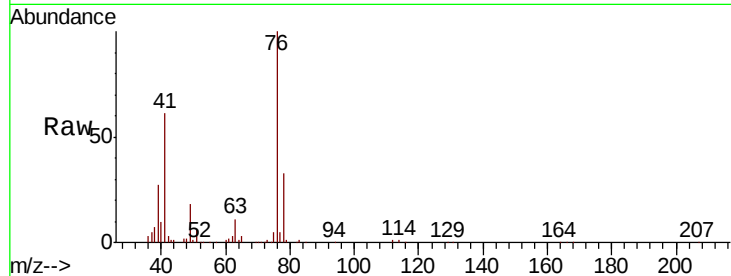
#57
 1,3-Dichloropropane
 Concen: 55.479 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	26.2	39.4

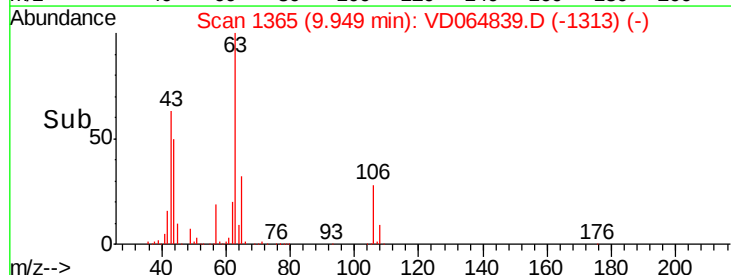
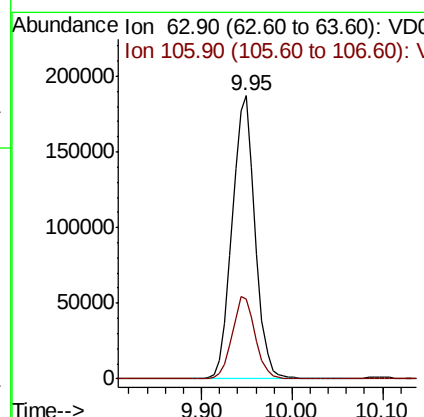
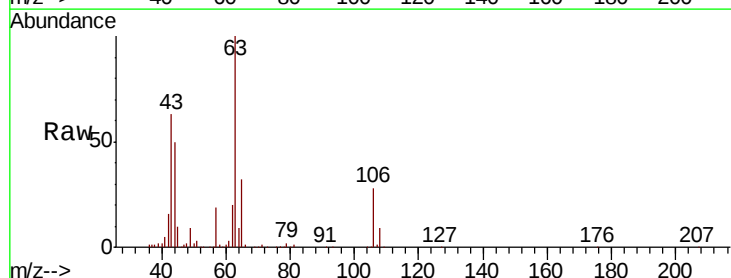
Manual Integrations
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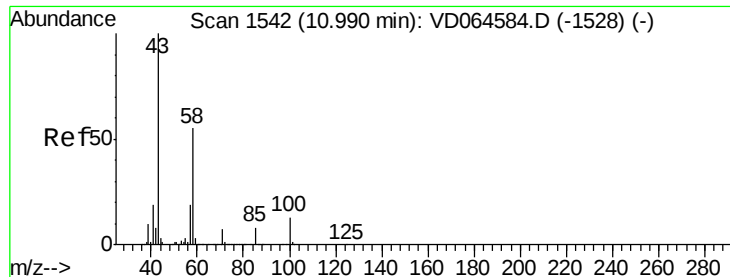
MMDadoda
 1/13/2020 12:38:26 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.409 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.8	35.8





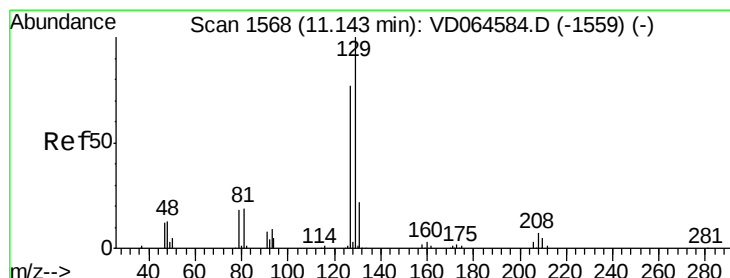
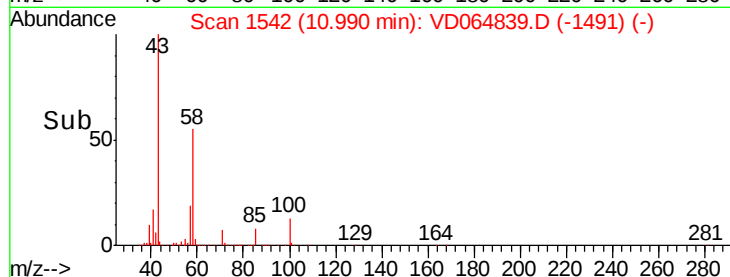
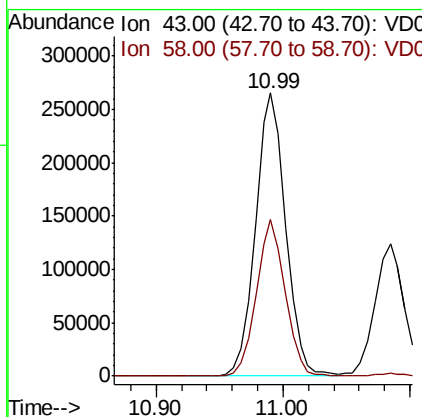
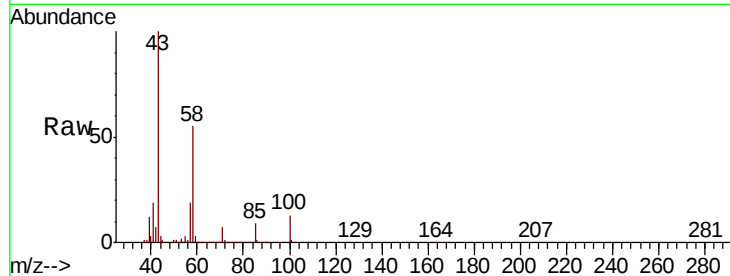
#59
2-Hexanone
Concen: 308.452 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	439698
Ion Ratio	43	100	
Lower	58	52.8	26.4
Upper			79.0

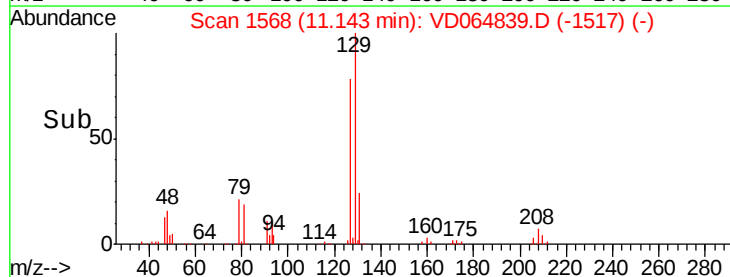
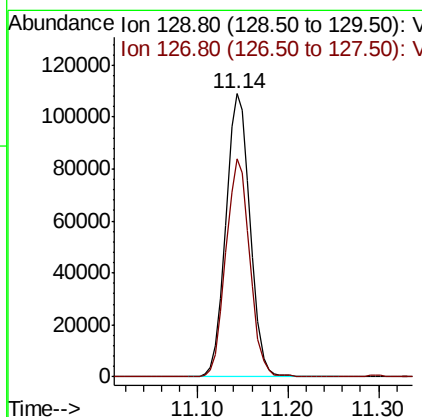
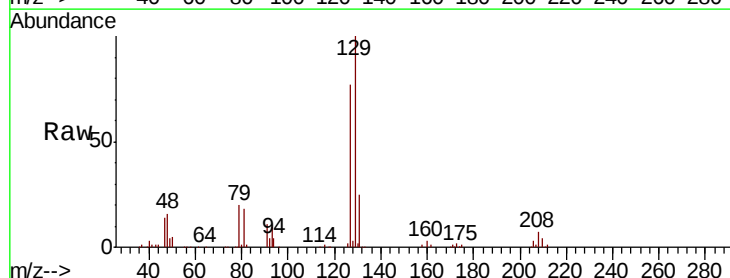
Manual Integrations
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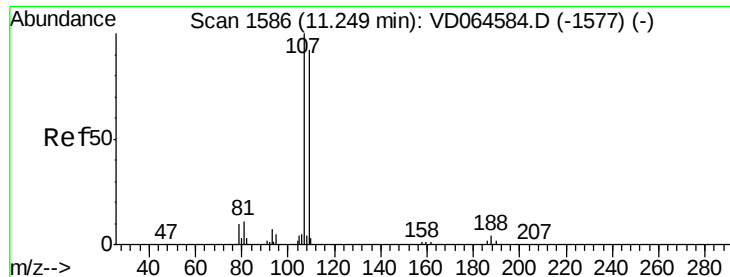
MMDadoda
1/13/2020 12:38:26 PM



#60
Dibromochloromethane
Concen: 54.763 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	129	Resp	201544
Ion Ratio	129	100	
Lower	127	76.4	38.4
Upper			115.2





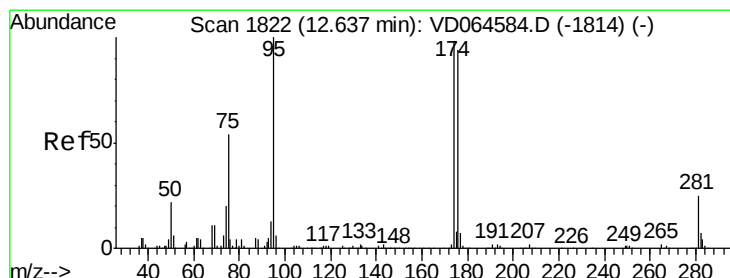
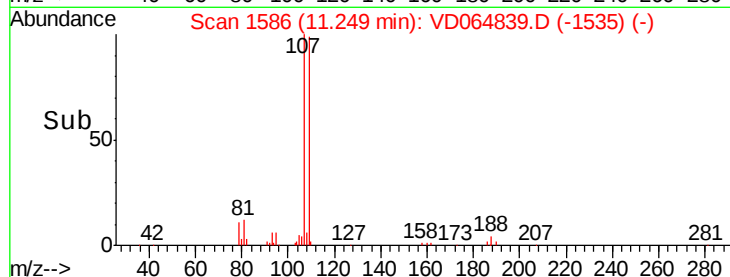
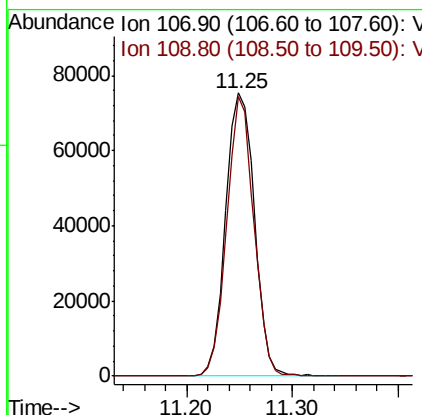
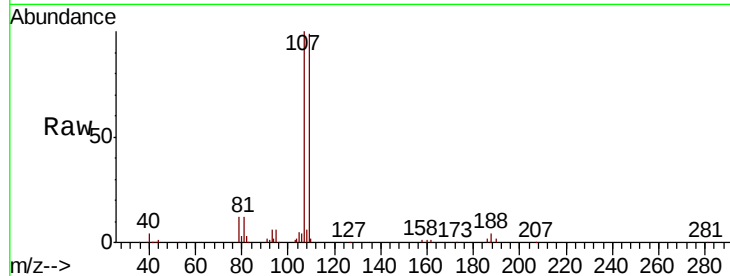
#61
 1,2-Dibromoethane
 Concen: 53.983 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.8	75.6	113.4

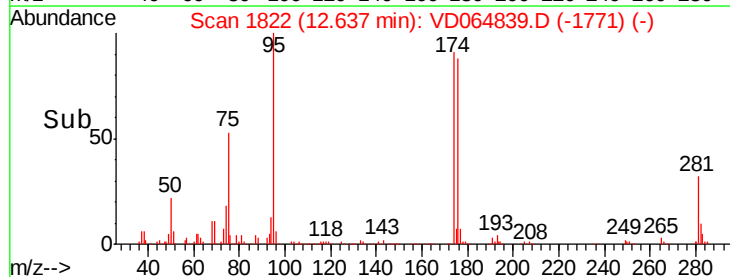
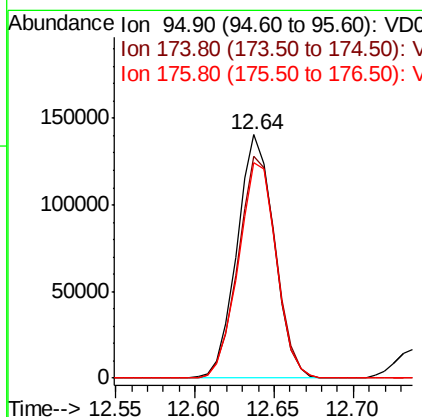
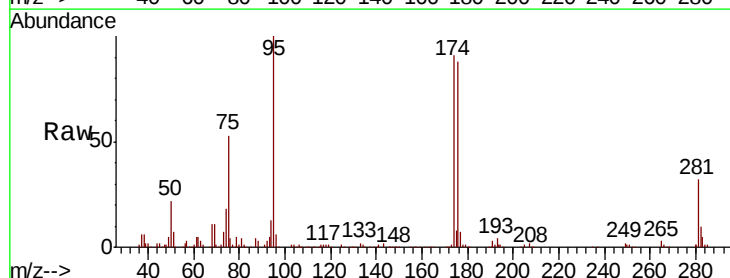
Manual Integrations
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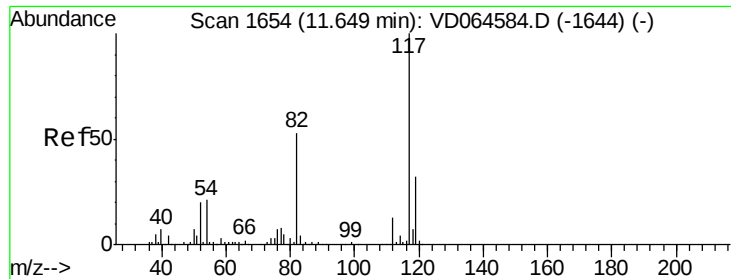
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#62
 4-Bromofluorobenzene
 Concen: 54.425 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.0	0.0	193.2
176	90.3	0.0	184.2





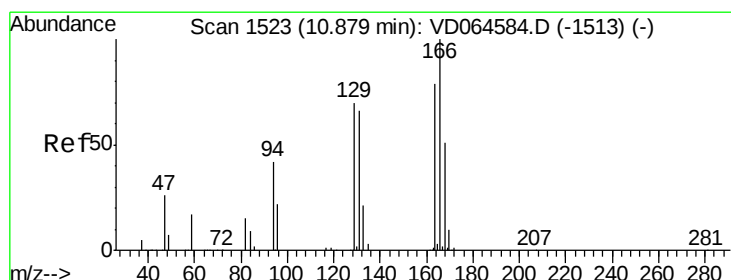
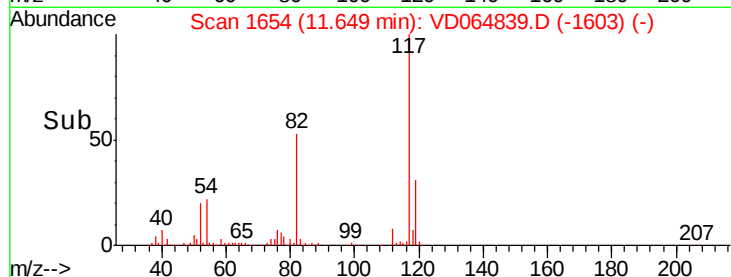
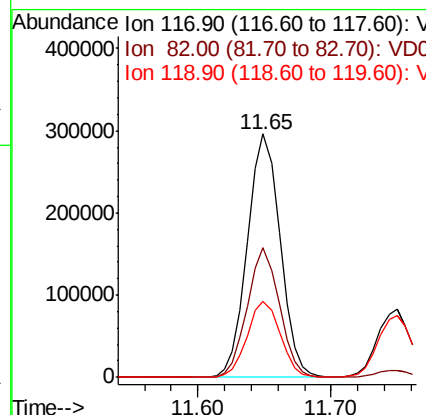
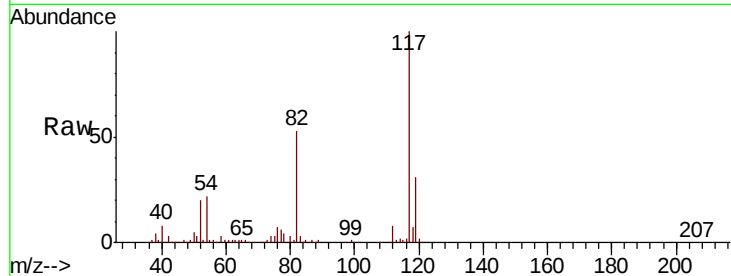
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	503315		
82	53.3		42.2	63.4
119	31.2		26.0	39.0

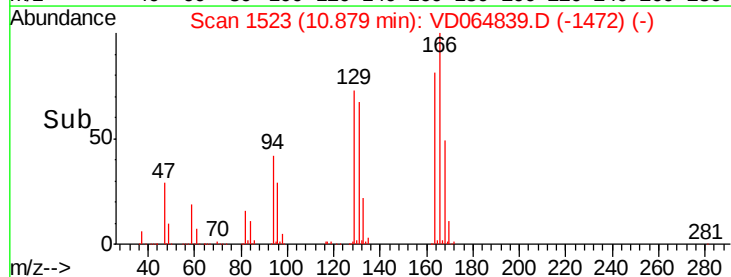
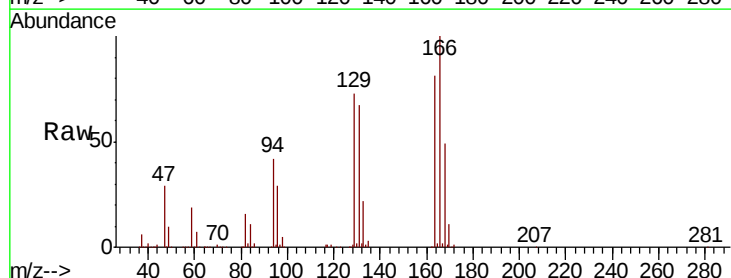
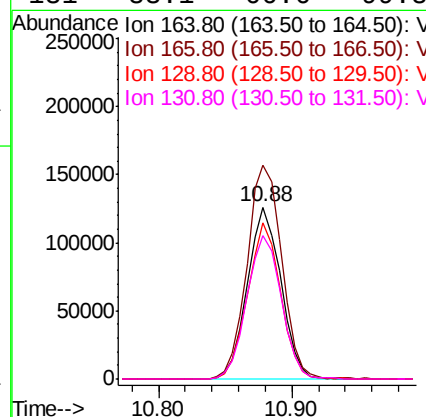
Manual Integrations
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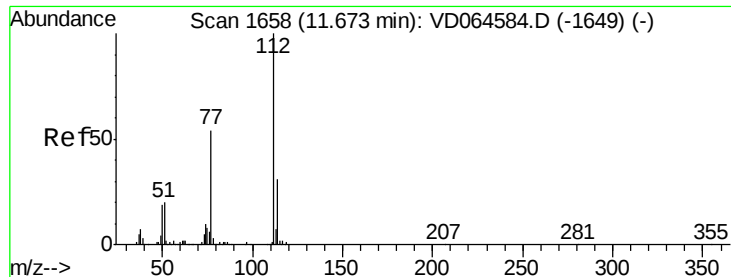
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#64
Tetrachloroethene
Concen: 56.589 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	218509		
166	124.2		101.3	151.9
129	90.7		70.5	105.7
131	83.1		66.6	99.8





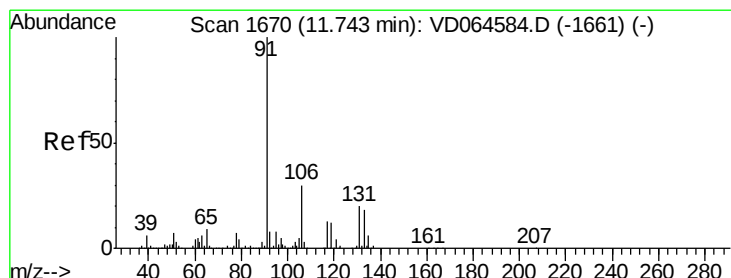
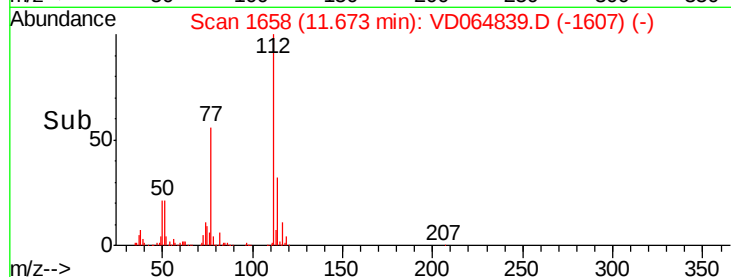
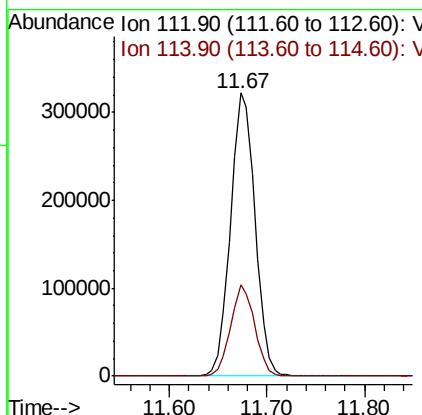
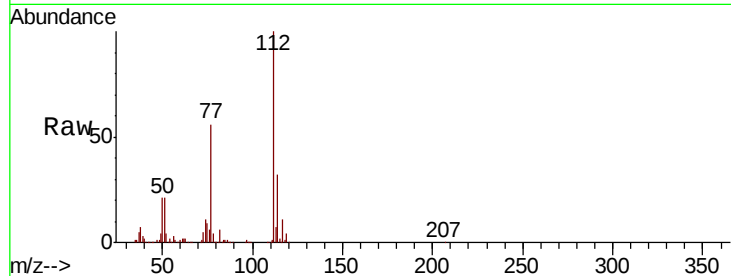
#65
Chlorobenzene
Concen: 53.730 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	24.8	37.2

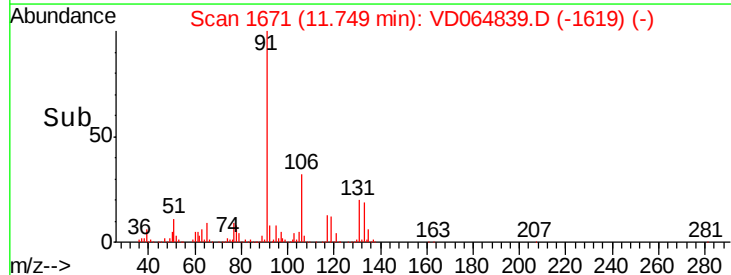
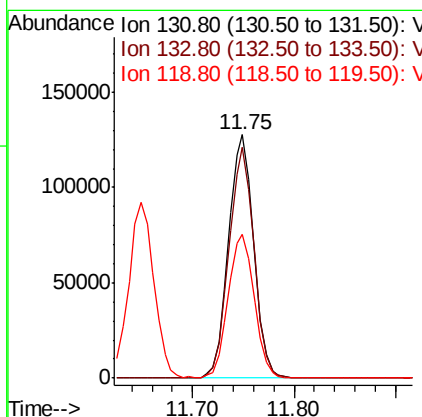
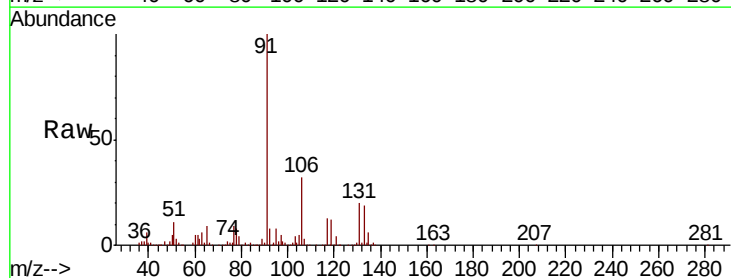
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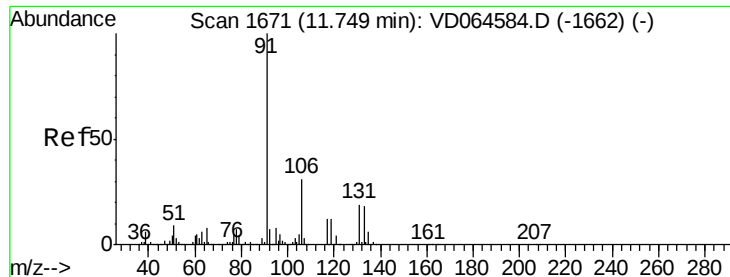
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#66
1,1,1,2-Tetrachloroethane
Concen: 55.807 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.3	144.8
119	60.9	32.1	96.3





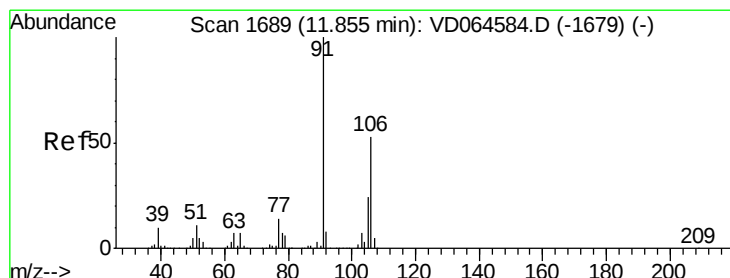
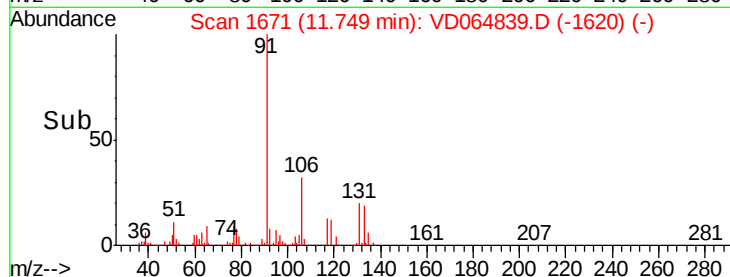
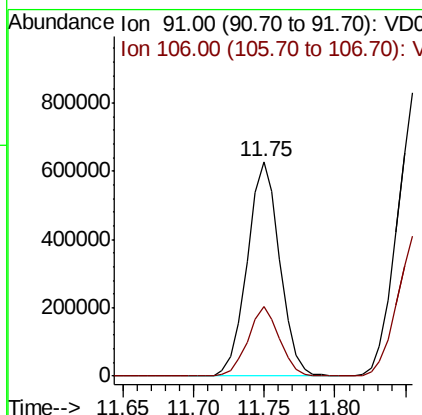
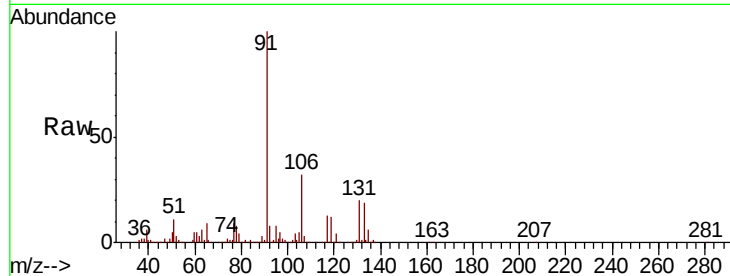
#67
Ethyl Benzene
Concen: 53.472 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1013854
Ion Ratio Lower Upper
91 100
106 32.2 24.6 36.8

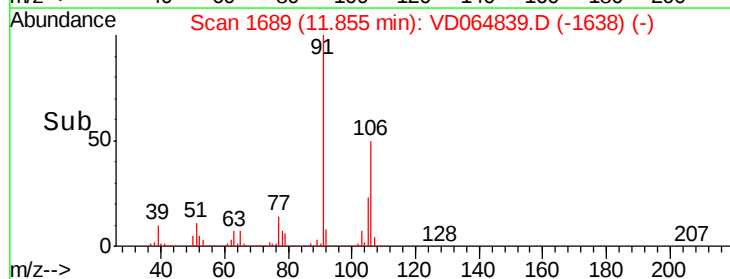
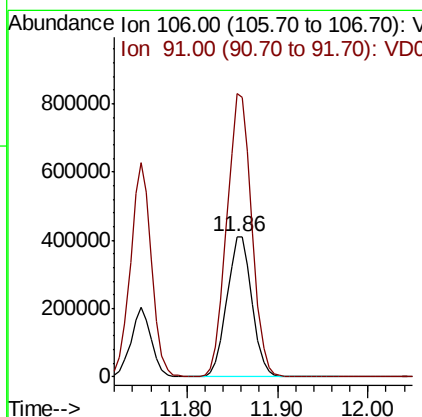
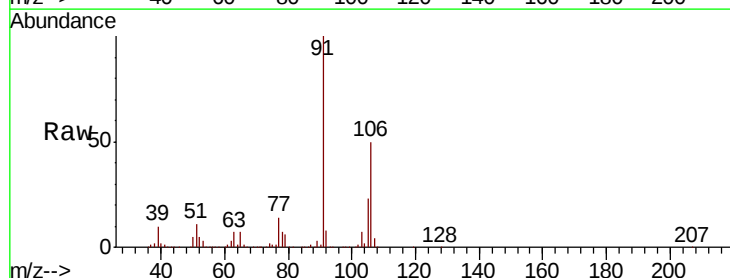
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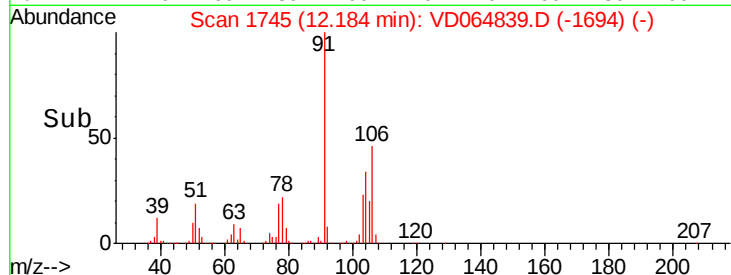
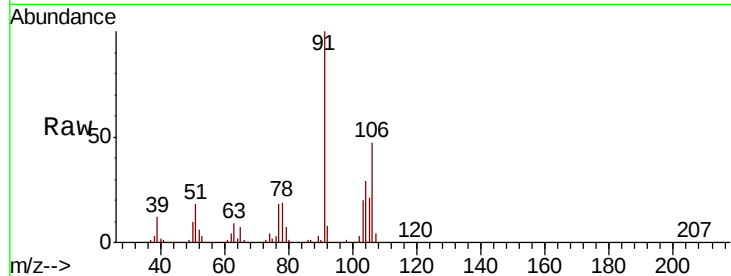
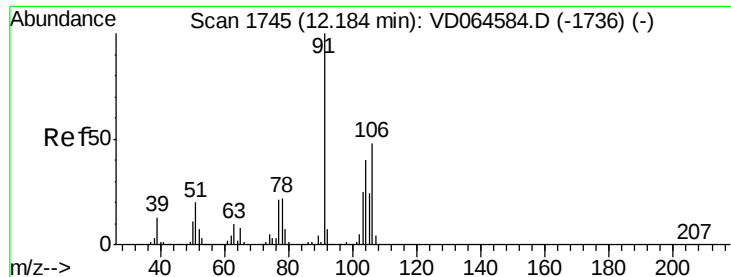
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#68
m/p-Xylenes
Concen: 107.796 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 106 Resp: 788894
Ion Ratio Lower Upper
106 100
91 200.7 156.3 234.5





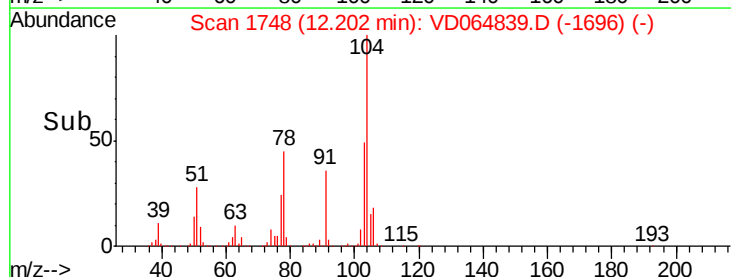
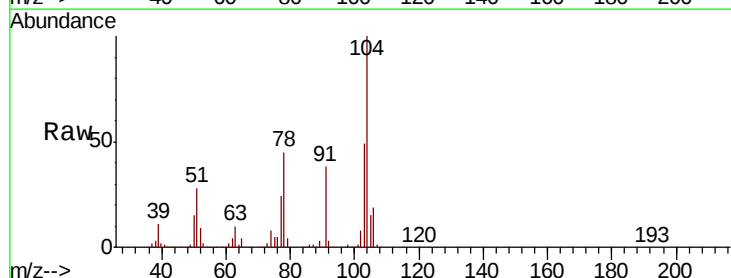
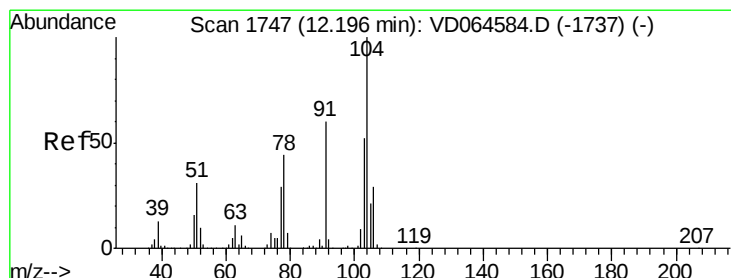
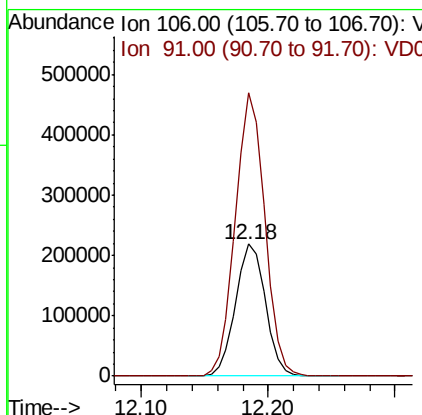
#69
o-Xylene
Concen: 54.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tot Ion:106 Resp: 358129
Ion Ratio Lower Upper
106 100
91 211.1 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

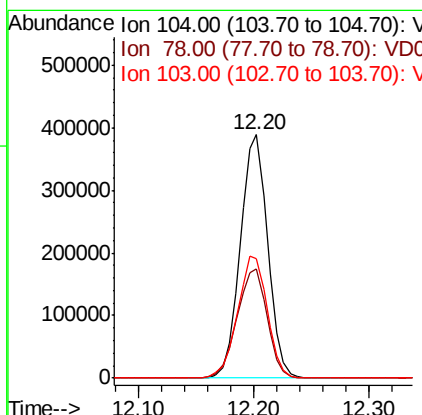
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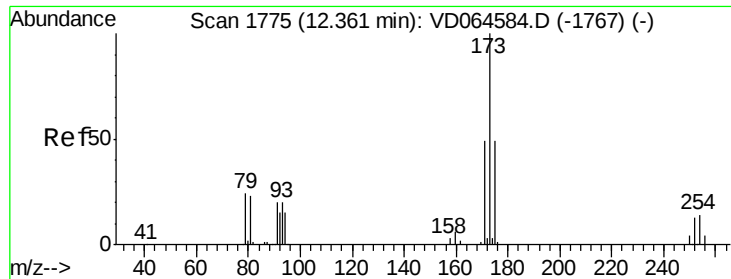
MMDadoda
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#70
Styrene
Concen: 55.009 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion:104 Resp: 638266
Ion Ratio Lower Upper
104 100
78 49.5 38.2 57.2
103 54.6 44.6 67.0





#71

Bromoform

Concen: 54.362 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 122086

Ion Ratio Lower Upper

173 100

175 47.8 24.6 73.8

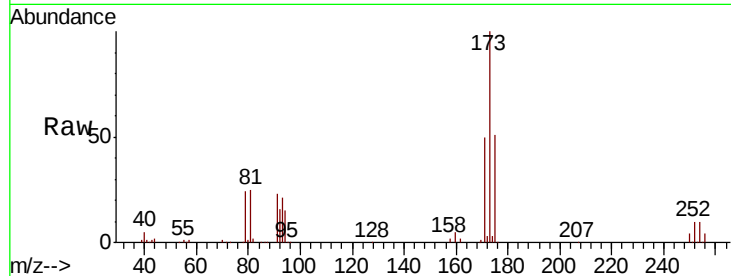
254 0.1 0.1 0.1#

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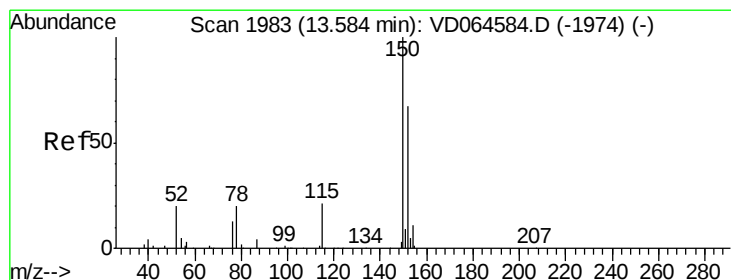
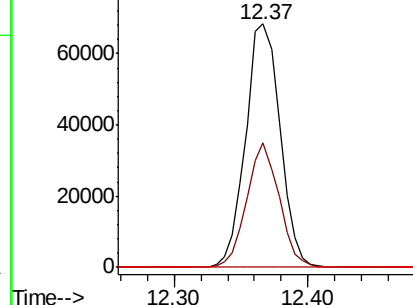
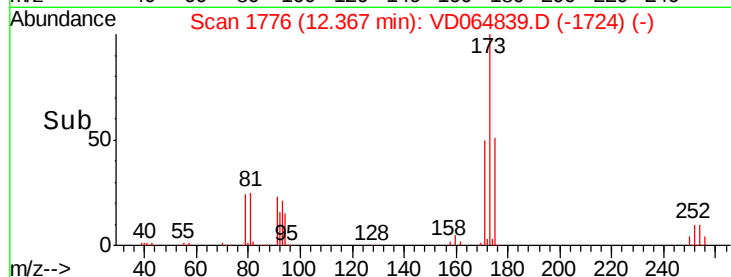
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Abundance Ion 172.70 (172.40 to 173.40): V

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: VD064839.D

Acq: 10 Jan 2020 18:30

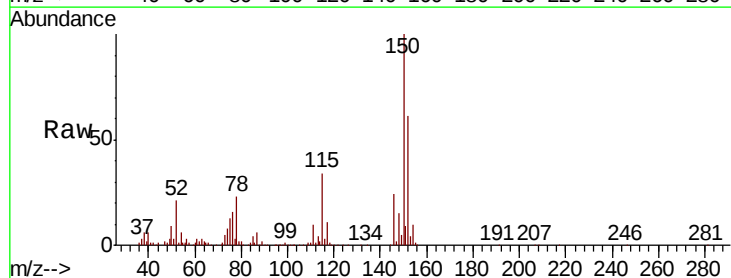
Tgt Ion:152 Resp: 249468

Ion Ratio Lower Upper

152 100

115 54.6 27.8 83.4

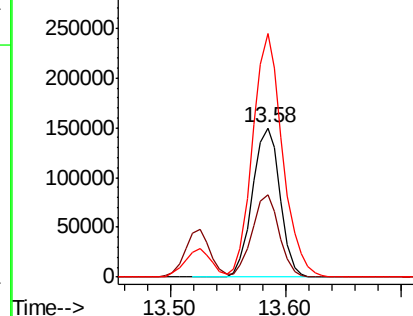
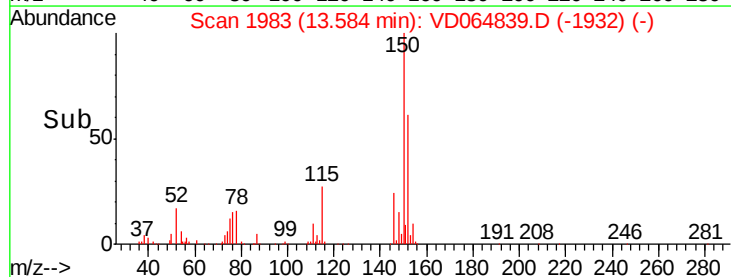
150 176.3 0.0 351.4

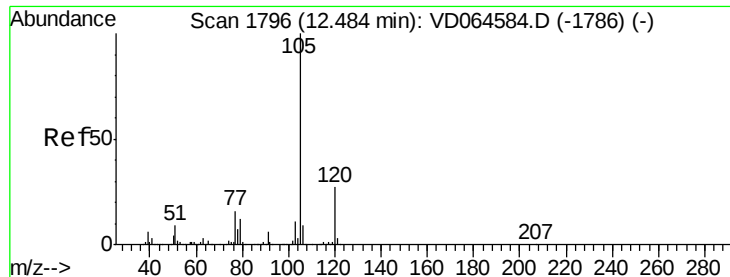


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.440 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 970538

Ion Ratio Lower Upper

105 100

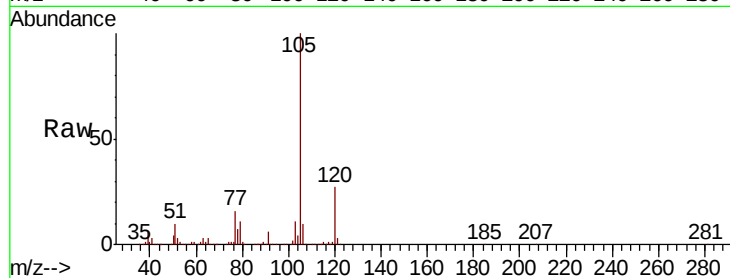
120 26.9 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

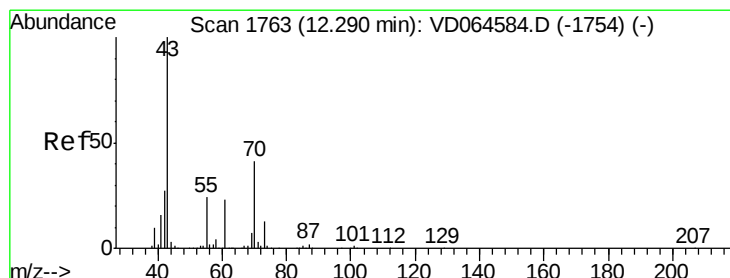
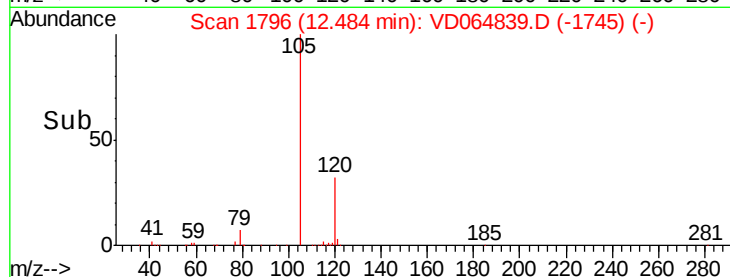
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 57.450 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion: 43 Resp: 218937

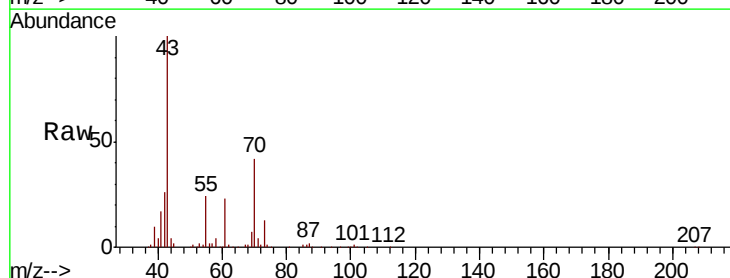
Ion Ratio Lower Upper

43 100

70 42.3 33.4 50.0

55 25.0 19.4 29.0

61 22.9 18.3 27.5



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.30

200000

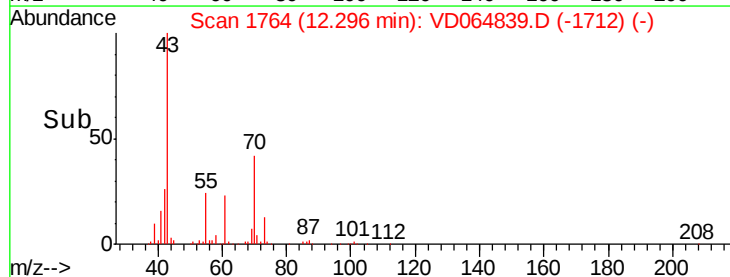
150000

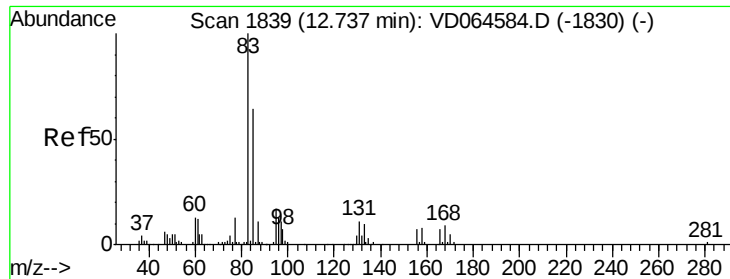
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.614 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

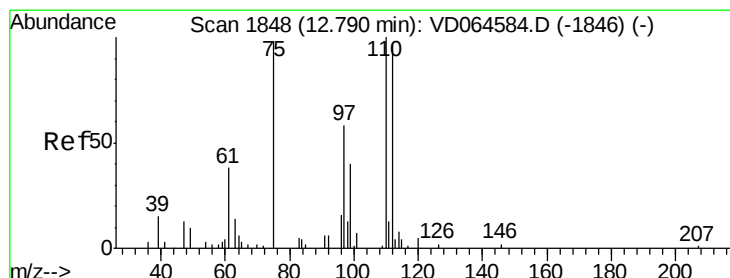
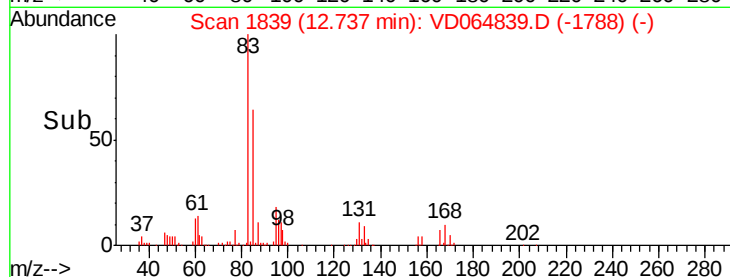
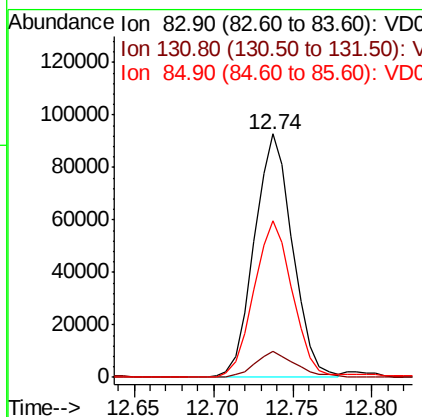
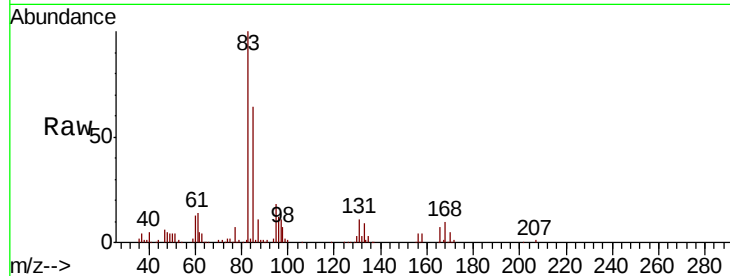
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	155750
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.8	17.4
85	66.2	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.357 ug/l m

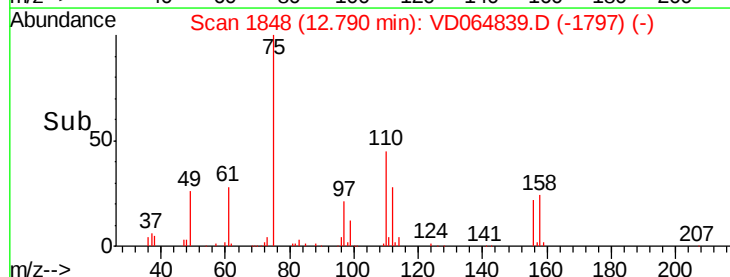
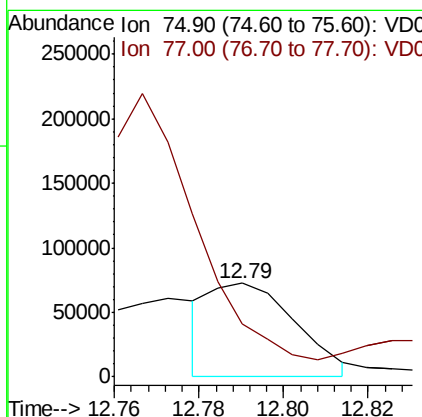
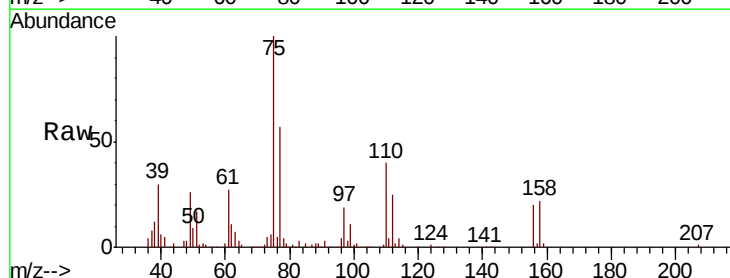
RT: 12.79 min Scan# 1848

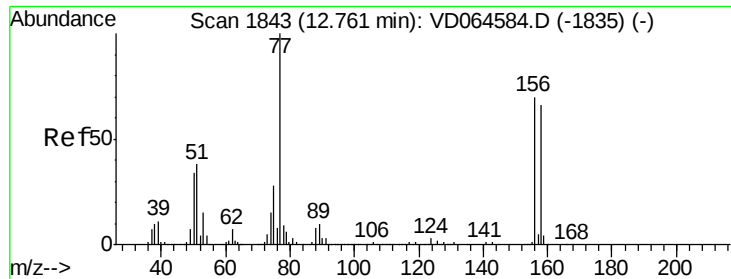
Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion:	75	Resp:	101170
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 54.166 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

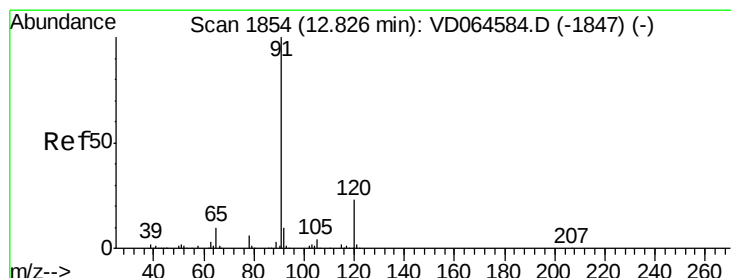
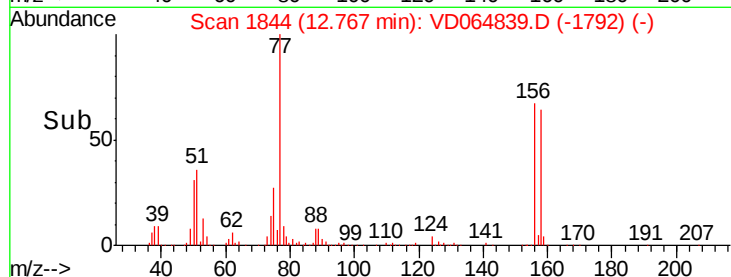
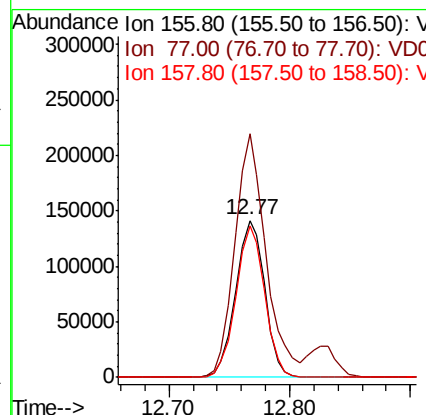
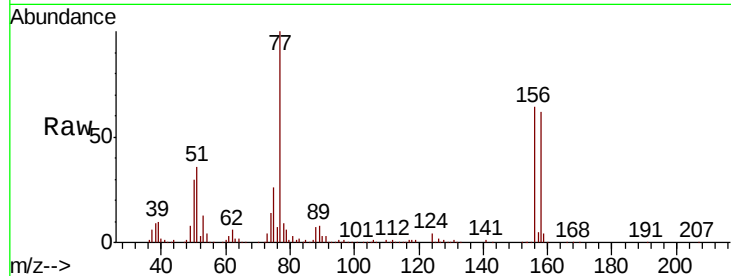
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	237274
Ion Ratio	Lower	Upper	
156	100		
77	165.9	80.9	242.7
158	95.4	48.0	144.2

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#78

n-propylbenzene

Concen: 54.702 ug/l

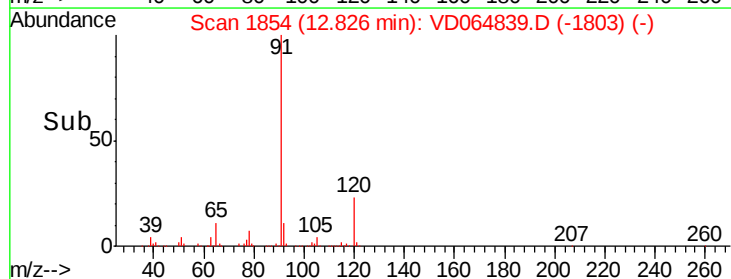
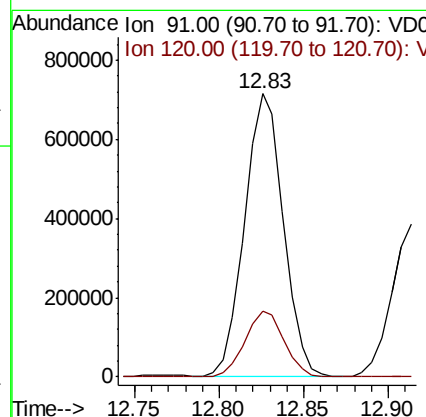
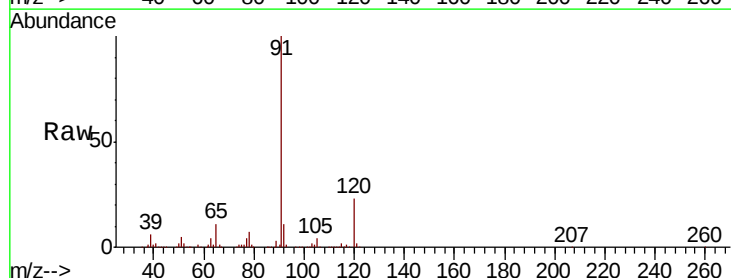
RT: 12.83 min Scan# 1854

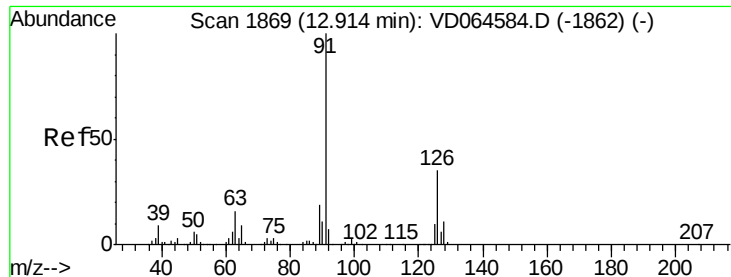
Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Tgt Ion:	91	Resp:	1137687
Ion Ratio	Lower	Upper	
91	100		
120	23.5	11.9	35.9





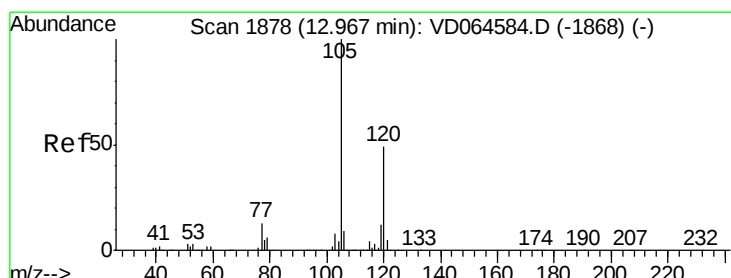
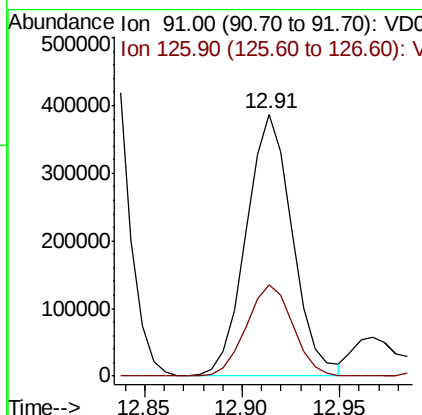
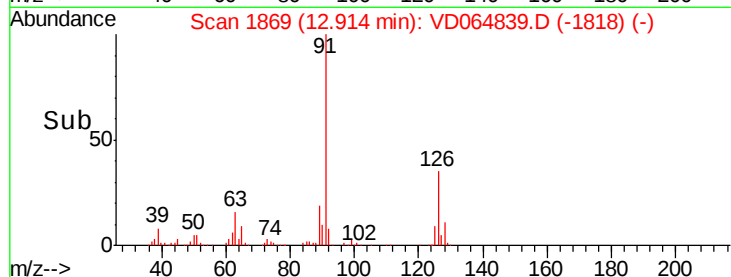
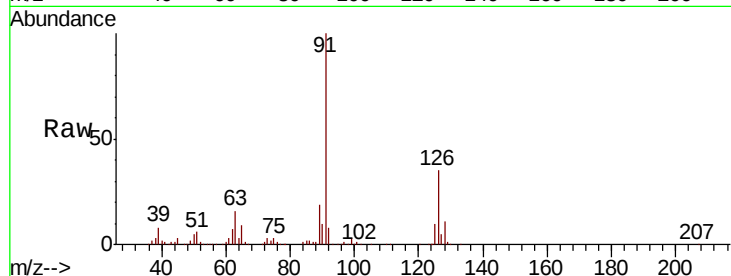
#79
2-Chlorotoluene
Concen: 55.417 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 633145
Ion Ratio Lower Upper
91 100
126 35.2 17.8 53.5

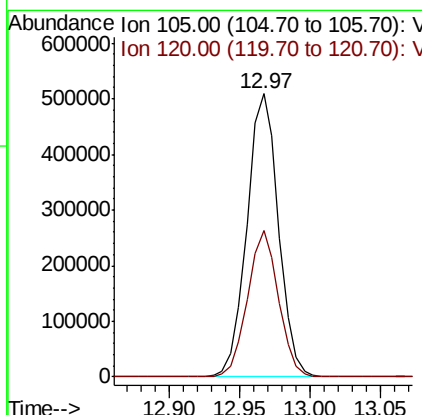
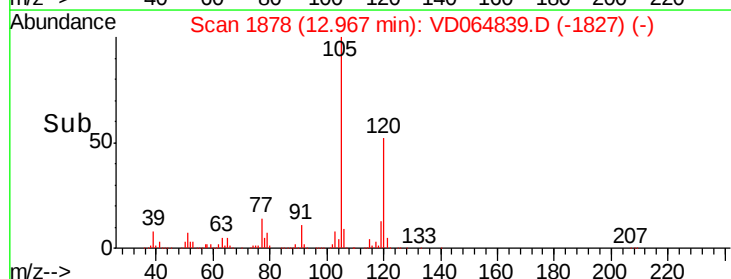
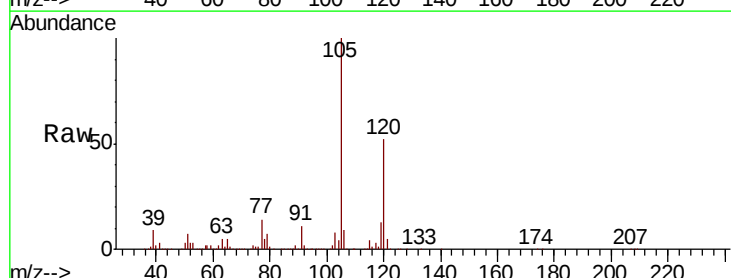
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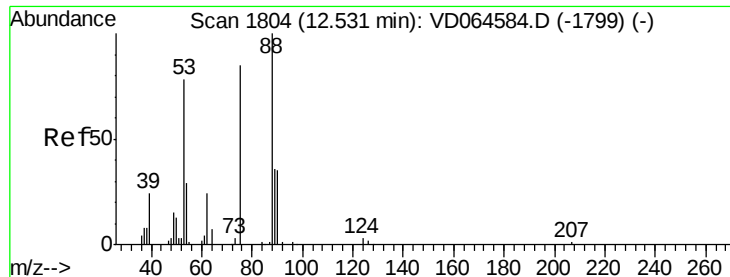
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#80
1,3,5-Trimethylbenzene
Concen: 54.398 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion: 105 Resp: 796625
Ion Ratio Lower Upper
105 100
120 50.6 25.0 75.0





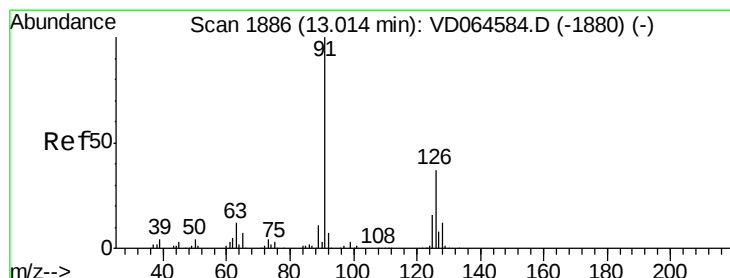
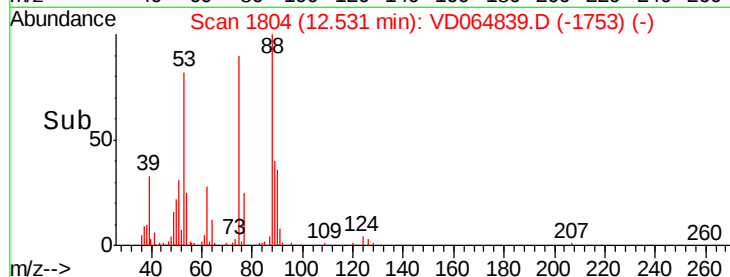
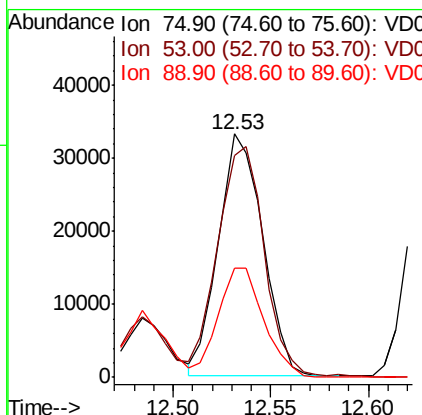
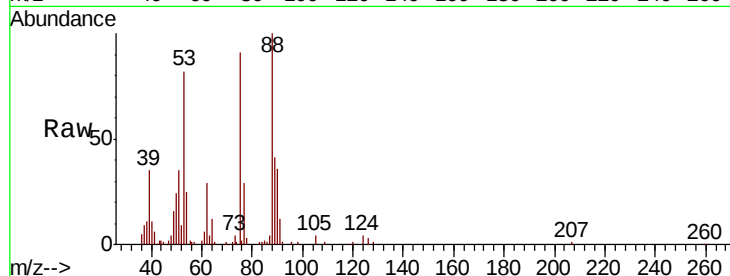
#81
trans-1,4-Dichloro-2-butene
Concen: 55.475 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	78.8	118.2
89	46.7	38.3	57.5

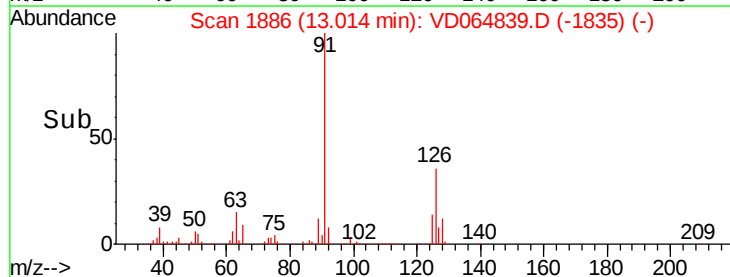
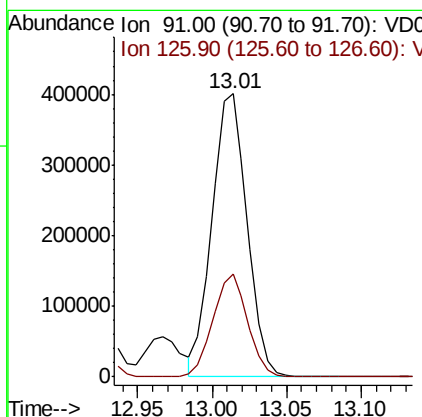
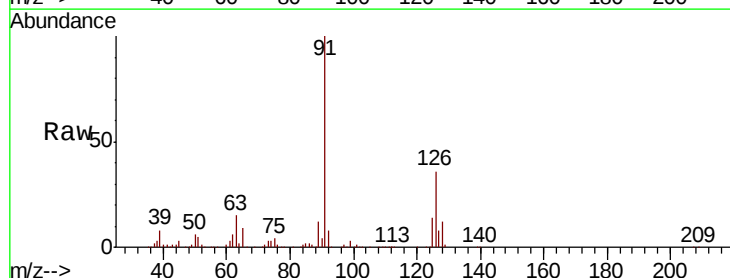
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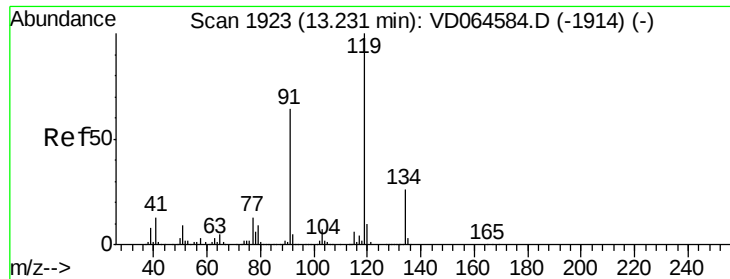
MMDadoda
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#82
4-Chlorotoluene
Concen: 54.075 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.8	53.5





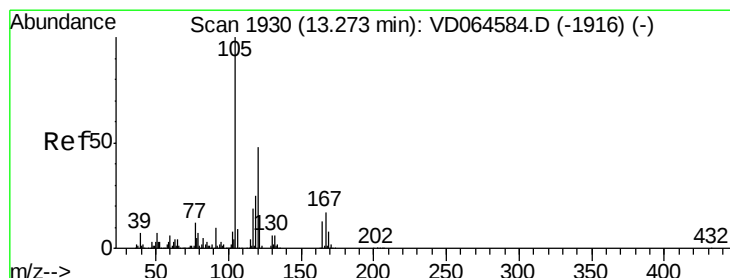
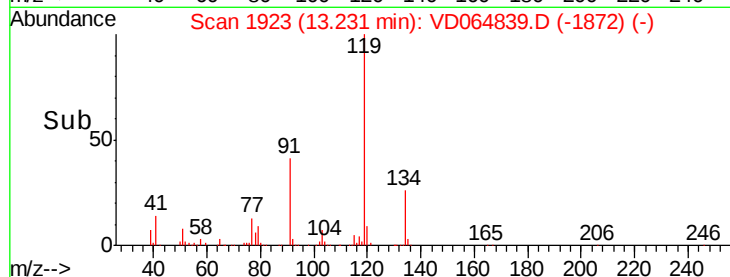
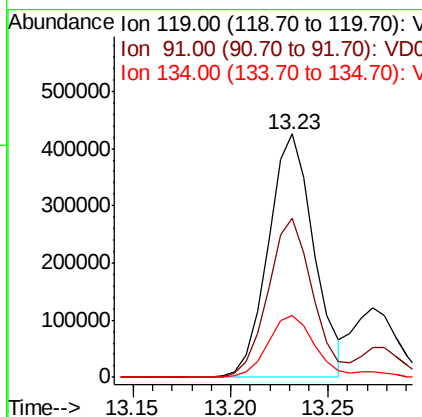
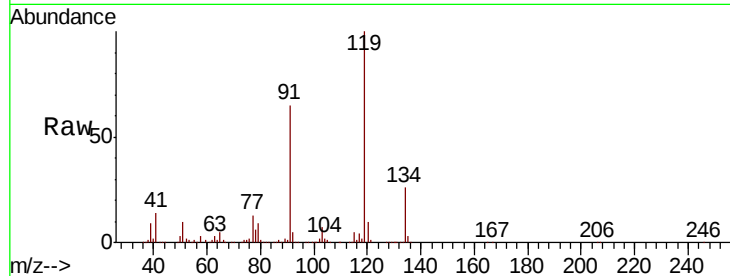
#83
tert-Butylbenzene
Concen: 54.138 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.6	30.8	92.4
134	27.5	12.8	38.3

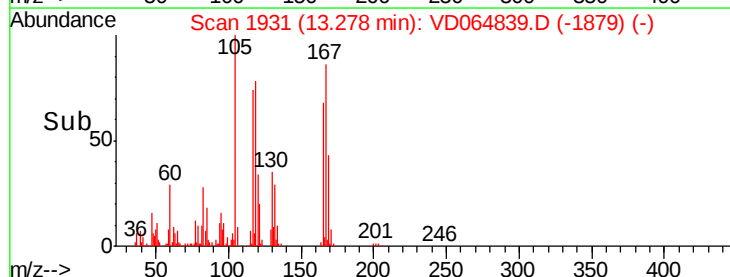
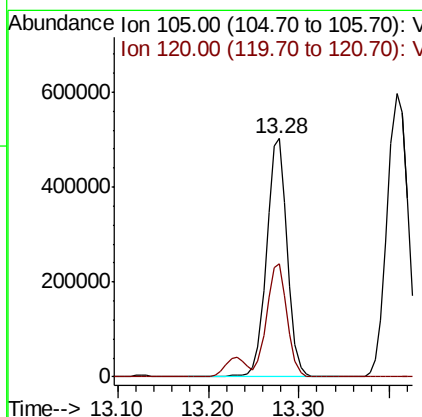
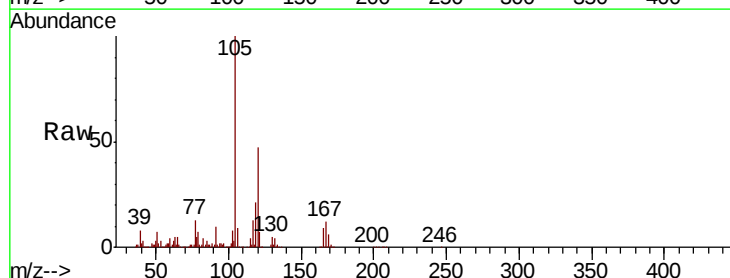
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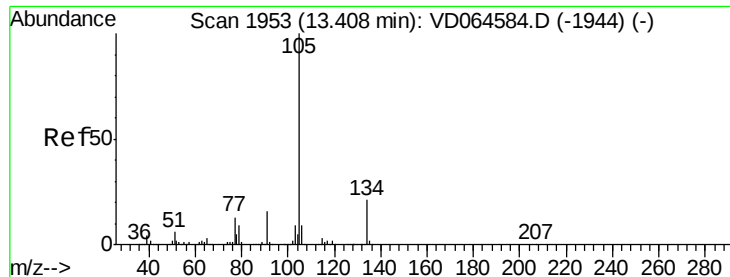
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#84
1,2,4-Trimethylbenzene
Concen: 55.124 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.8	71.2





#85

sec-Butylbenzene

Concen: 55.190 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 962048

Ion Ratio Lower Upper

105 100

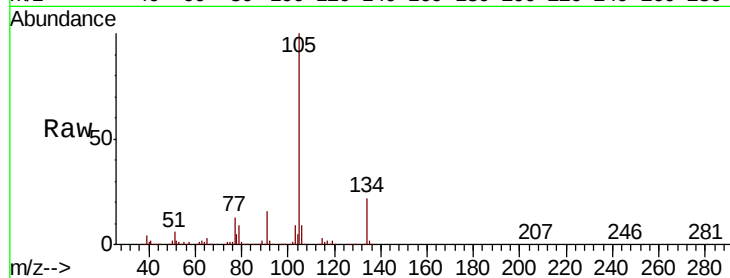
134 20.8 10.6 31.8

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

600000

400000

200000

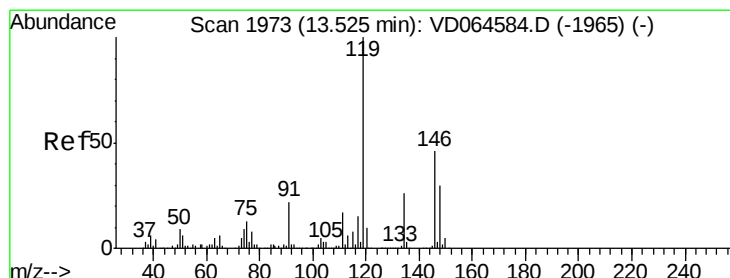
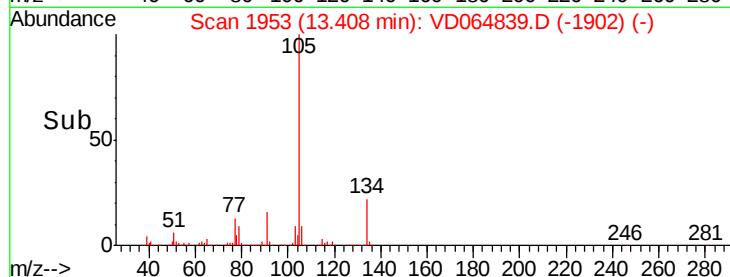
0

13.41

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 55.318 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064839.D

Acq: 10 Jan 2020 18:30

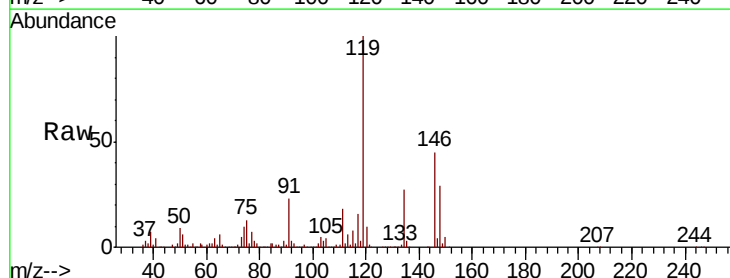
Tgt Ion:119 Resp: 922034

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 22.5 11.2 33.6



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

800000

600000

400000

200000

0

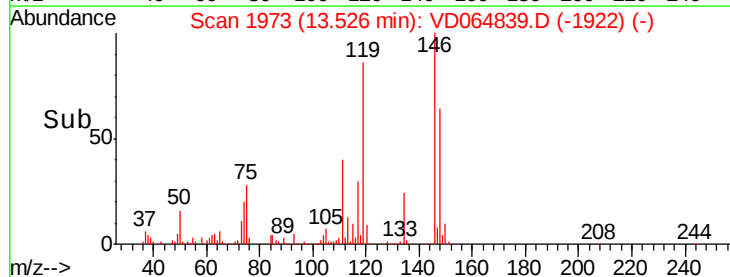
13.53

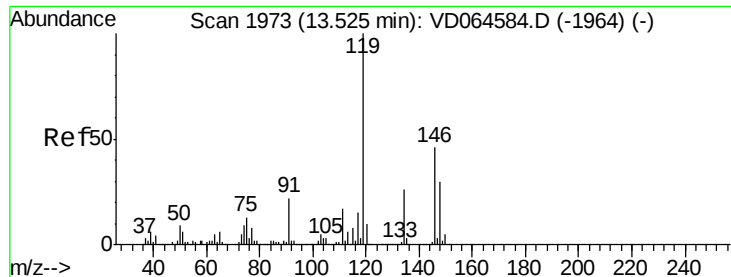
13.45

13.55

13.60

Time-->





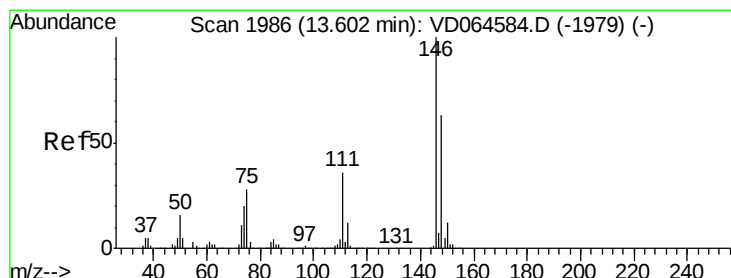
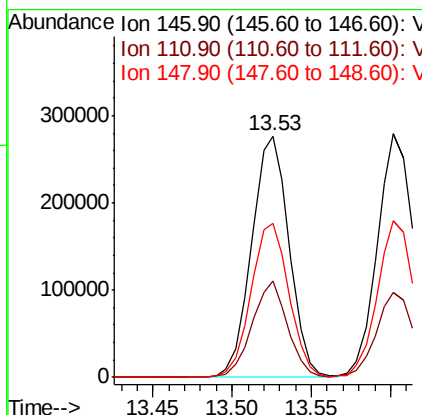
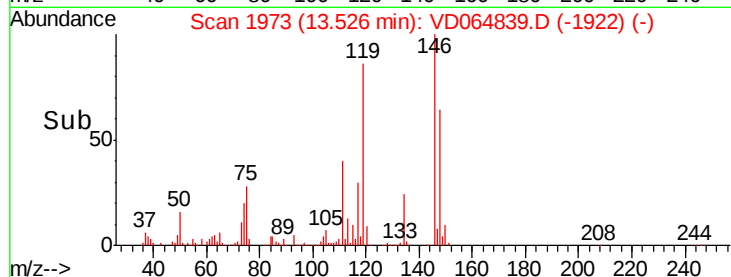
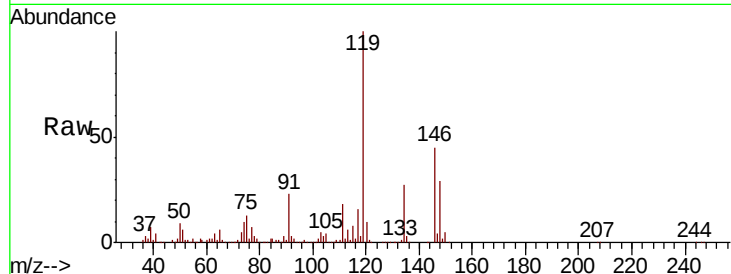
#87
 1,3-Dichlorobenzene
 Concen: 54.254 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.8	18.8	56.4
148	64.7	32.5	97.5

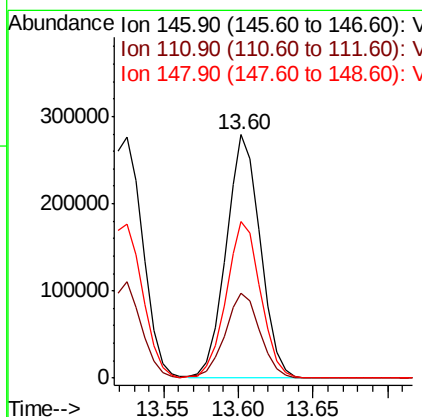
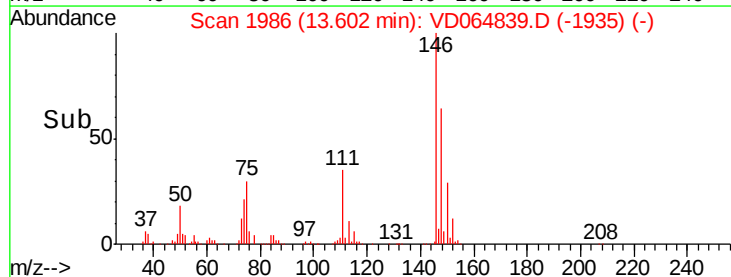
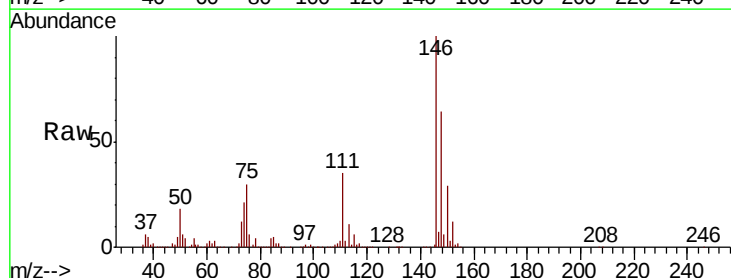
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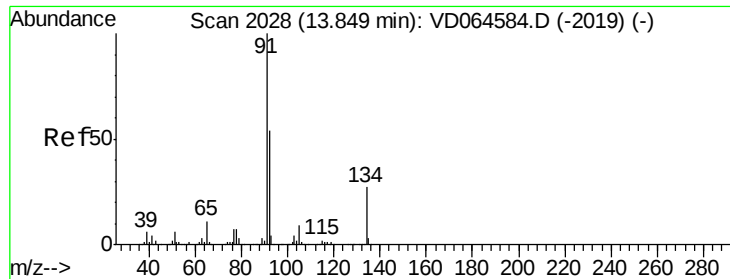
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#88
 1,4-Dichlorobenzene
 Concen: 54.409 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.1	54.1
148	64.7	32.3	96.9





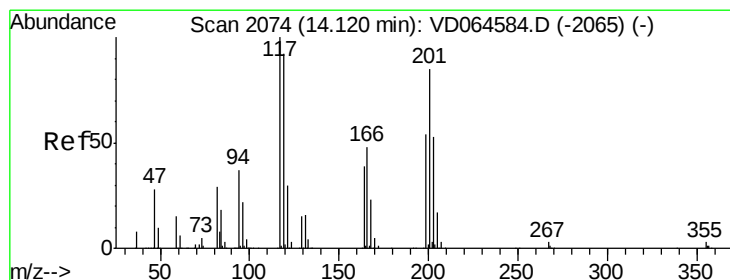
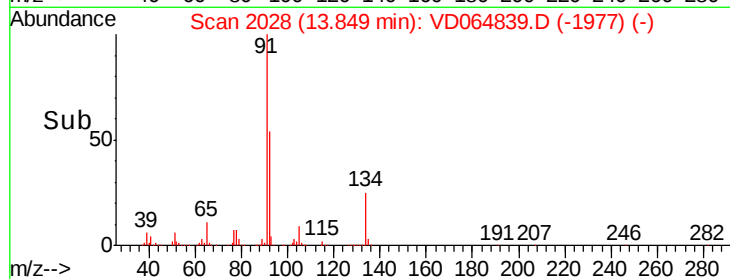
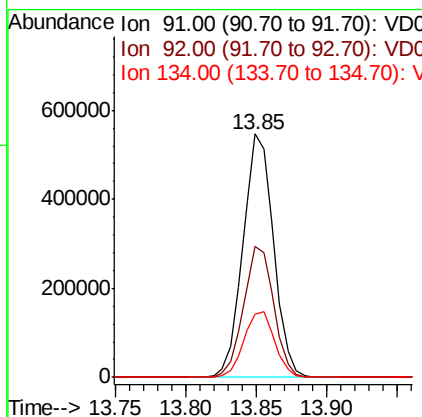
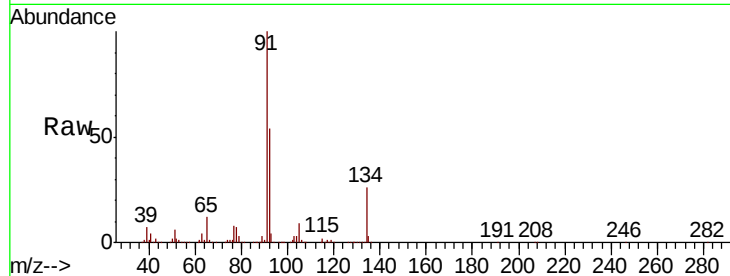
#89
n-Butylbenzene
Concen: 55.184 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.8	80.4
134	27.2	14.0	41.9

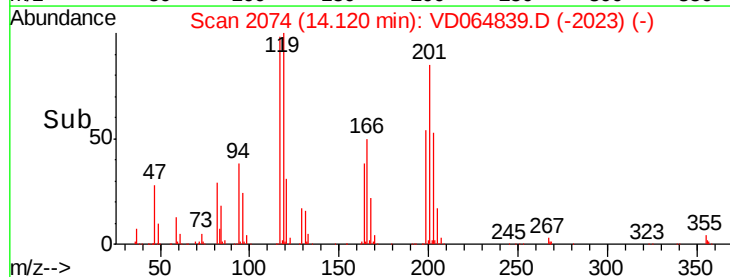
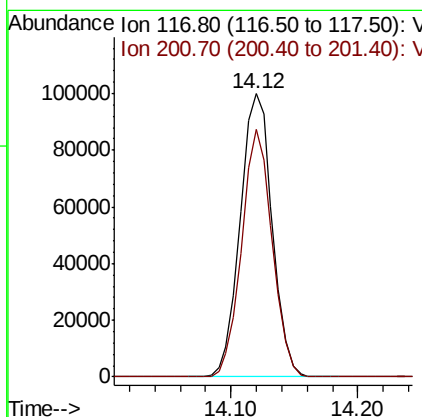
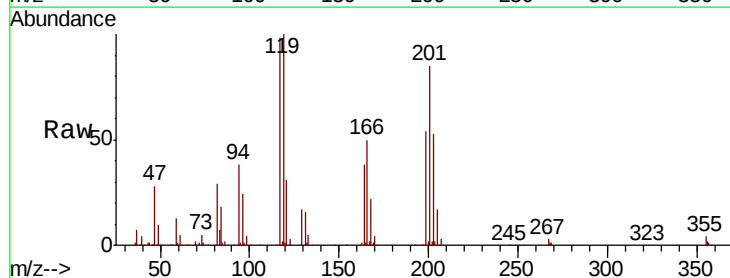
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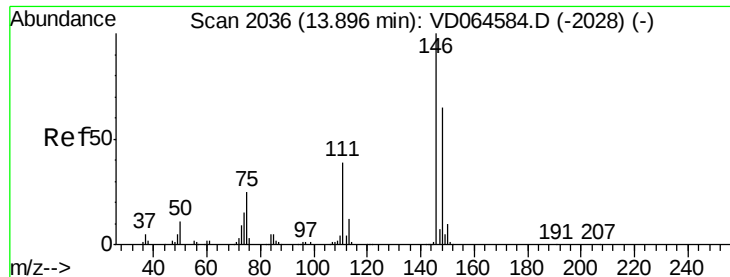
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#90
Hexachloroethane
Concen: 54.727 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.4	44.0	131.8





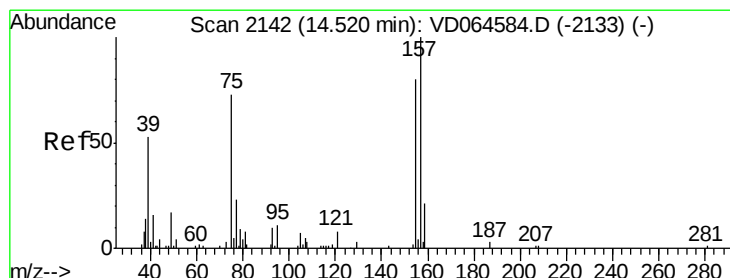
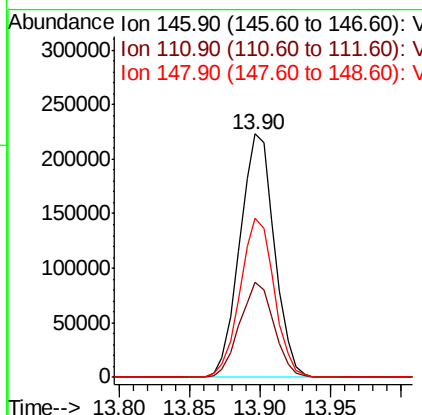
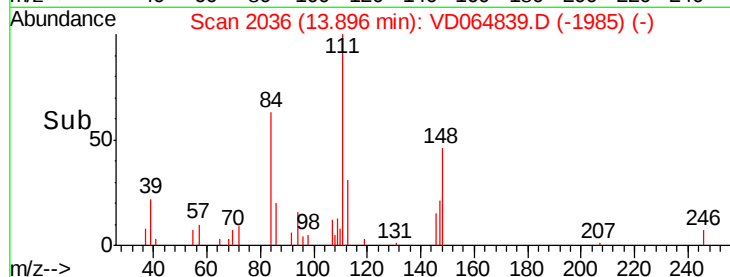
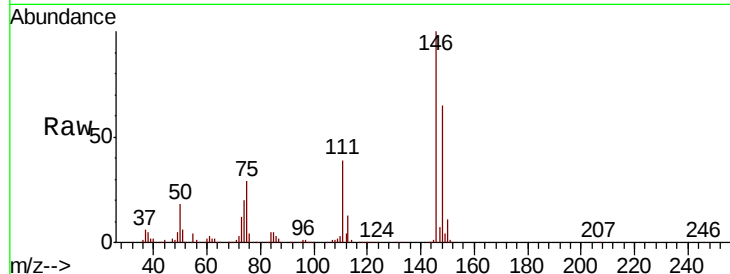
#91
 1,2-Dichlorobenzene
 Concen: 53.724 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.3	57.9
148	64.4	31.9	95.5

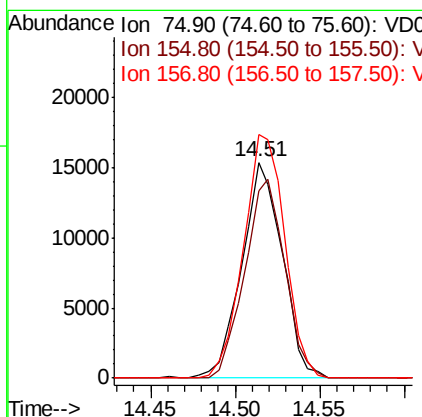
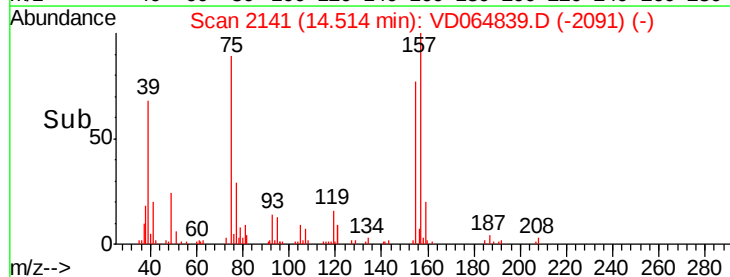
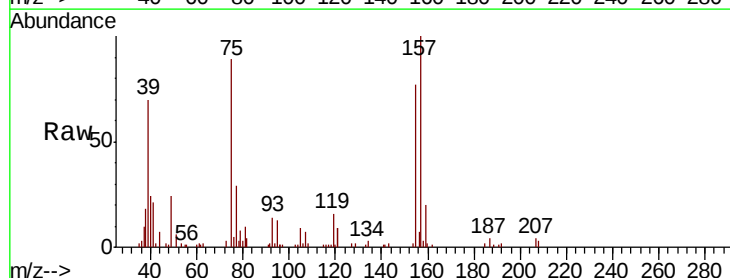
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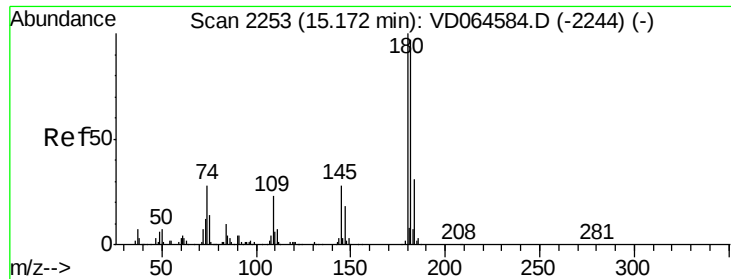
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 56.467 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.5	48.0	144.0
157	115.4	64.1	192.3





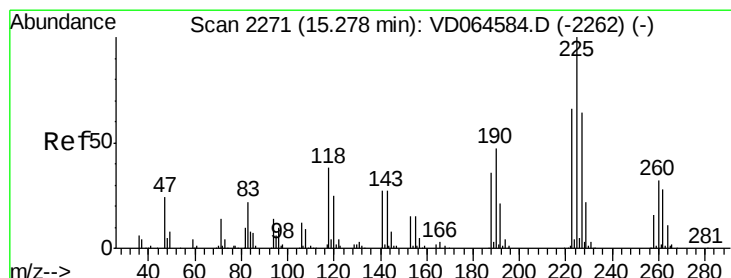
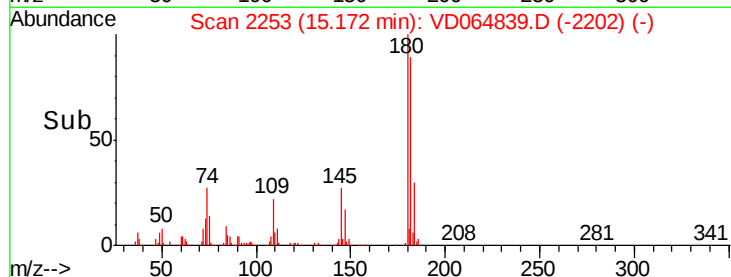
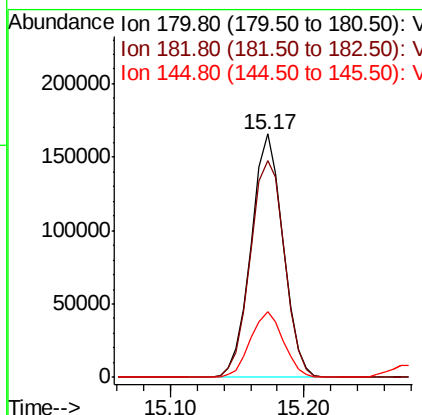
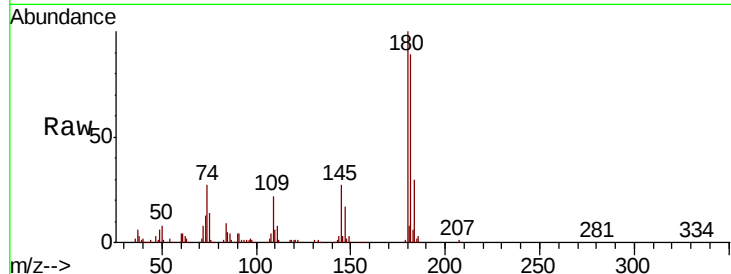
#93
 1,2,4-Trichlorobenzene
 Concen: 52.241 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273904		
182	95.2	48.0	144.2	
145	27.9	13.8	41.4	

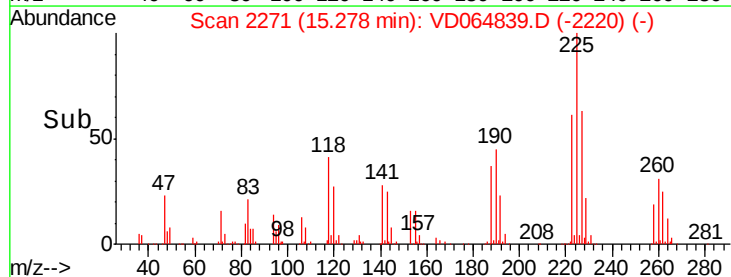
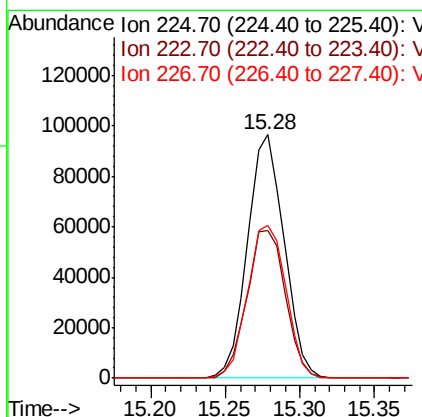
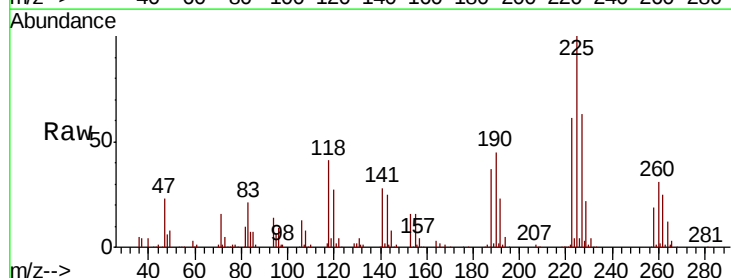
Manual Integrations
 APPROVED

MMDadoda
 1/13/2020 12:38:26 PM



#94
 Hexachlorobutadiene
 Concen: 49.540 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064839.D
 Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	163447		
223	63.9	31.1	93.2	
227	65.9	30.9	92.7	





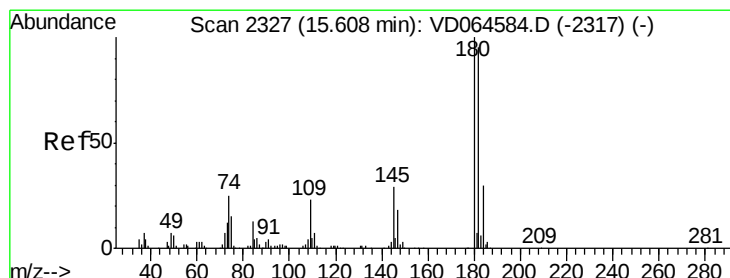
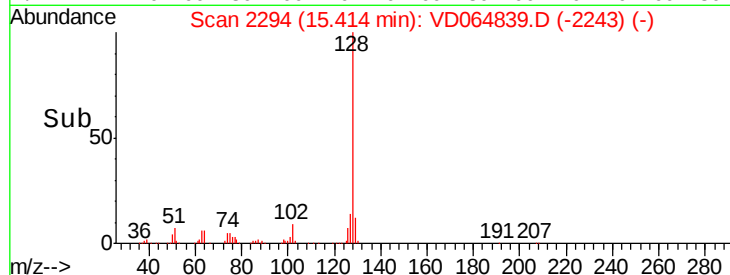
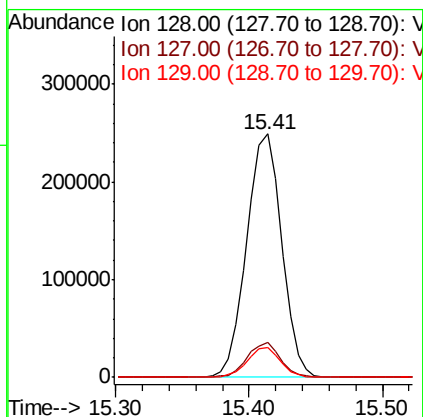
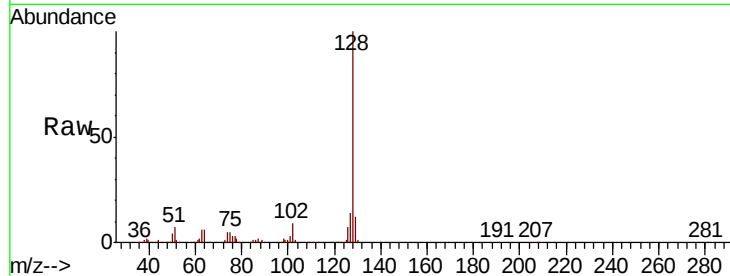
#95
Naphthalene
Concen: 54.514 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.6	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
1/13/2020 12:38:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.331 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064839.D
Acq: 10 Jan 2020 18:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.9	143.7
145	29.5	14.9	44.7

