

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010720\
 Data File : VD064790.D
 Acq On : 07 Jan 2020 13:47
 Operator : VA/SY
 Sample : VD0107SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Manual Integrations
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 1/8/2020 9:26:33 AM

Quant Time: Jan 08 08:04:33 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	330885	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	490248	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	426831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215126	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	152442	52.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.50%	
35) Dibromofluoromethane	7.91	113	155521	51.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.42%	
50) Toluene-d8	10.34	98	586233	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	12.64	95	182807	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	51765	20.131	ug/l	96
3) Chloromethane	2.21	50	81422	22.640	ug/l	99
4) Vinyl Chloride	2.35	62	93670	21.362	ug/l	97
5) Bromomethane	2.76	94	67472	21.163	ug/l	97
6) Chloroethane	2.92	64	63390	21.575	ug/l	97
7) Trichlorofluoromethane	3.27	101	152731	20.686	ug/l	99
8) Diethyl Ether	3.71	74	33243	22.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	63185	20.664	ug/l	97
10) Methyl Iodide	4.29	142	62505	19.031	ug/l	99
11) Tert butyl alcohol	5.25	59	19709	117.866	ug/l	95
12) 1,1-Dichloroethene	4.06	96	61503	21.127	ug/l	93
13) Acrolein	3.92	56	19371	83.123	ug/l	99
14) Allyl chloride	4.71	41	99553	21.934	ug/l	98
15) Acrylonitrile	5.43	53	69795	114.287	ug/l	98
16) Acetone	4.17	43	68178	106.106	ug/l	100
17) Carbon Disulfide	4.40	76	195916	20.814	ug/l	100
18) Methyl Acetate	4.73	43	36363	22.137	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	141884	21.943	ug/l	98
20) Methylene Chloride	4.96	84	76697	23.070	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	72683	21.924	ug/l	97
22) Diisopropyl ether	6.37	45	201951	22.308	ug/l	95
23) Vinyl Acetate	6.31	43	558853	108.824	ug/l	99
24) 1,1-Dichloroethane	6.27	63	123553	22.734	ug/l	96
25) 2-Butanone	7.23	43	88601	110.474	ug/l	94
26) 2,2-Dichloropropane	7.21	77	111885	22.142	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	78252	21.871	ug/l	96
28) Bromochloromethane	7.55	49	44920	21.262	ug/l	99
29) Tetrahydrofuran	7.57	42	53853	107.976	ug/l	99
30) Chloroform	7.71	83	131632	23.085	ug/l	95
31) Cyclohexane	7.98	56	110245	20.265	ug/l #	95
32) 1,1,1-Trichloroethane	7.91	97	120437	22.488	ug/l	99
36) 1,1-Dichloropropene	8.11	75	97934	20.755	ug/l	99
37) Ethyl Acetate	7.30	43	39735	21.435	ug/l	98
38) Carbon Tetrachloride	8.10	117	106524	21.172	ug/l	96

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 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)
39) Methylcyclohexane	9.36	83	113222	19.811	ug/l	94
40) Benzene	8.35	78	280845	21.803	ug/l	99
41) Methacrylonitrile	7.53	41	27388	25.465	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	84712	22.757	ug/l	98
43) Isopropyl Acetate	8.46	43	77057	20.885	ug/l	98
44) Trichloroethene	9.11	130	79795	21.087	ug/l	93
45) 1,2-Dichloropropane	9.39	63	68699	22.337	ug/l	99
46) Dibromomethane	9.48	93	36126	21.068	ug/l	93
47) Bromodichloromethane	9.67	83	101339	22.209	ug/l	100
48) Methyl methacrylate	9.46	41	35209	20.267	ug/l #	87
49) 1,4-Dioxane	9.47	88	8581	433.994	ug/l #	94
51) 4-Methyl-2-Pentanone	10.23	43	193192	105.933	ug/l	100
52) Toluene	10.41	92	180904	21.406	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	93793	22.048	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	111090	22.147	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	50872	22.014	ug/l	94
56) Ethyl methacrylate	10.67	69	61312	21.244	ug/l	96
57) 1,3-Dichloropropane	10.95	76	88122	22.147	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	120260	109.372	ug/l	97
59) 2-Hexanone	10.99	43	136438	110.226	ug/l	98
60) Dibromochloromethane	11.14	129	70368	22.020	ug/l	99
61) 1,2-Dibromoethane	11.25	107	50142	21.999	ug/l	99
64) Tetrachloroethene	10.87	164	71391	21.802	ug/l	89
65) Chlorobenzene	11.67	112	196561	22.188	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	73289	21.945	ug/l	99
67) Ethyl Benzene	11.75	91	344905	21.450	ug/l	100
68) m/p-Xylenes	11.86	106	265224	42.735	ug/l	98
69) o-Xylene	12.18	106	120361	21.471	ug/l	99
70) Styrene	12.20	104	211575	21.502	ug/l	99
71) Bromoform	12.37	173	42126	22.119	ug/l #	97
73) Isopropylbenzene	12.48	105	325570	21.178	ug/l	98
74) N-amyl acetate	12.30	43	70473	21.445	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	50993	21.115	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	34499m	20.308	ug/l	
77) Bromobenzene	12.77	156	82918	21.951	ug/l	99
78) n-propylbenzene	12.83	91	386798	21.567	ug/l	98
79) 2-Chlorotoluene	12.91	91	208016	21.113	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	269816	21.366	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	16709	20.572	ug/l	93
82) 4-Chlorotoluene	13.01	91	221000	21.078	ug/l	99
83) tert-Butylbenzene	13.23	119	226521	20.659	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	273342	21.733	ug/l	99
85) sec-Butylbenzene	13.41	105	316576	21.060	ug/l	99
86) p-Isopropyltoluene	13.53	119	295262	20.542	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	155007	21.525	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	151162	21.368	ug/l	97
89) n-Butylbenzene	13.86	91	271597	20.983	ug/l	97
90) Hexachloroethane	14.12	117	60480	22.028	ug/l	91
91) 1,2-Dichlorobenzene	13.90	146	133010	21.661	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8374	21.389	ug/l	92

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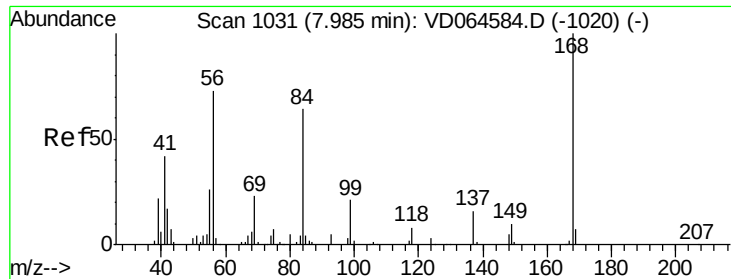
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	92945	20.557	ug/l	99
94) Hexachlorobutadiene	15.28	225	56594	19.892	ug/l	97
95) Naphthalene	15.41	128	138490	19.362	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	80505	20.857	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion:168 Resp: 330885

Ion Ratio Lower Upper

168 100

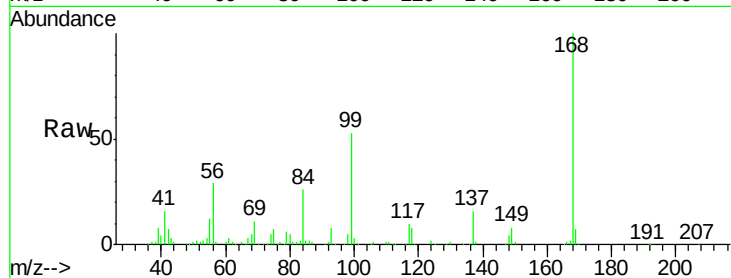
99 53.3 41.8 62.6

Manual Integrations

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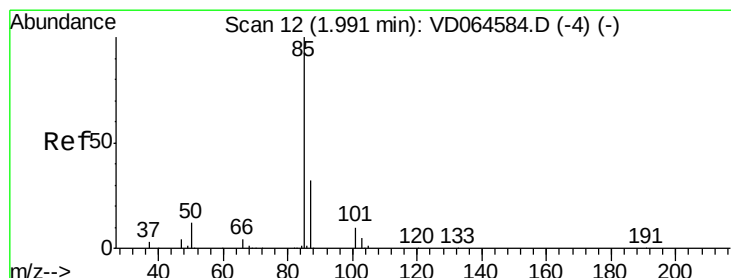
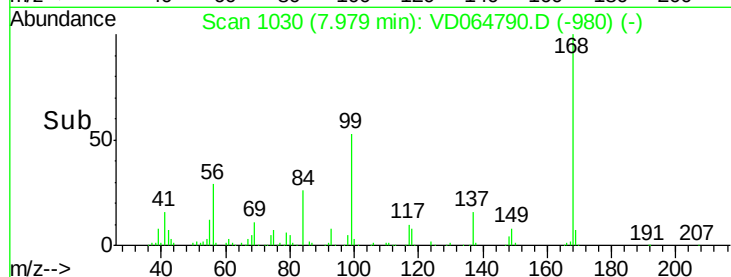
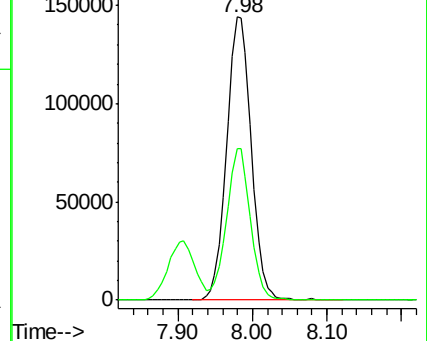
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.131 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064790.D

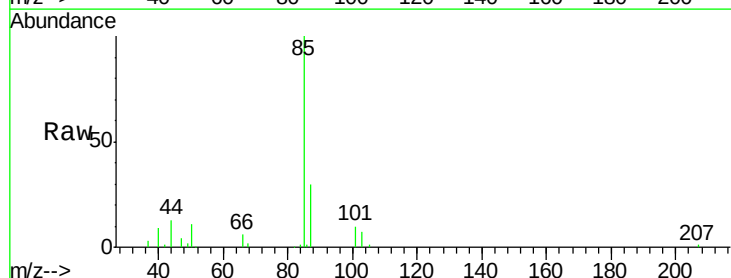
Acq: 07 Jan 2020 13:47

Tgt Ion: 85 Resp: 51765

Ion Ratio Lower Upper

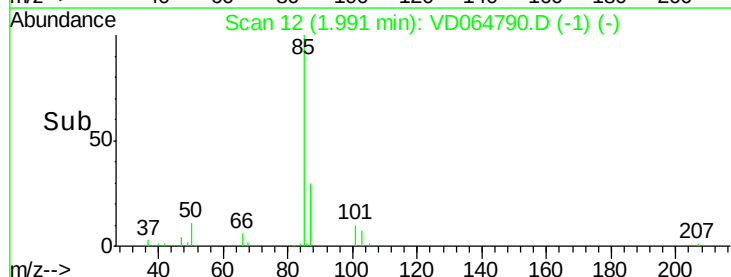
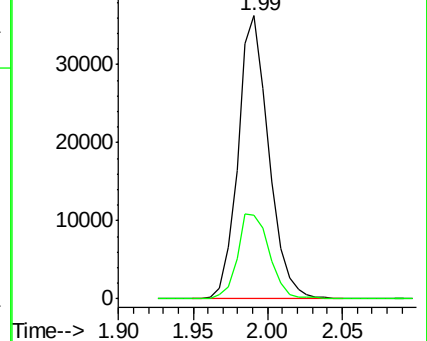
85 100

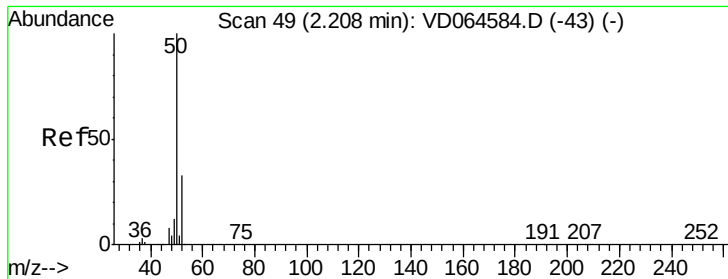
87 29.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.640 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 50 Resp: 81422

Ion Ratio Lower Upper

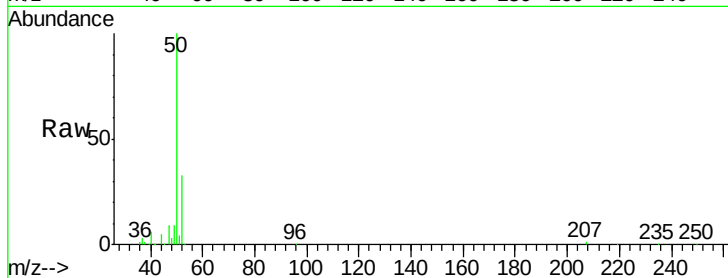
50 100

52 32.6 26.5 39.7

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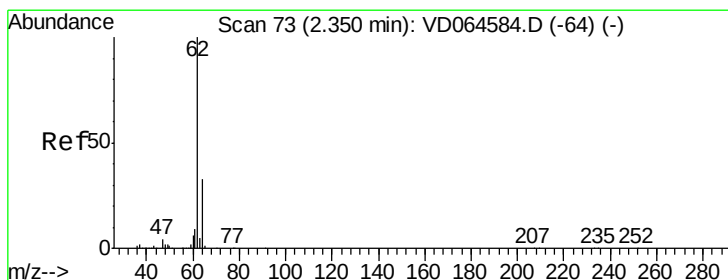
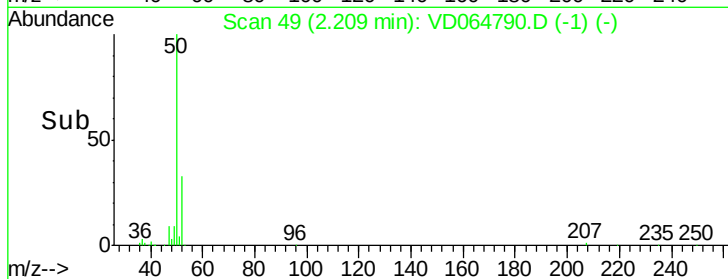
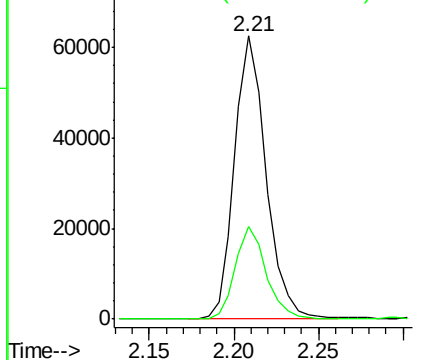
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.362 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064790.D

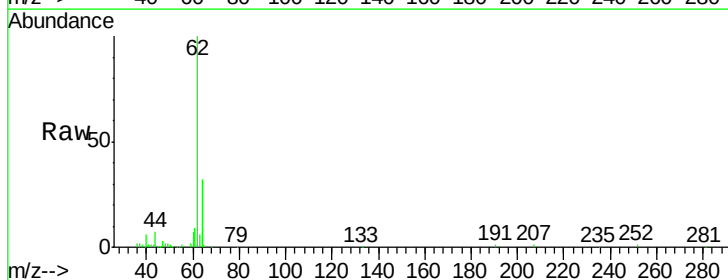
Acq: 07 Jan 2020 13:47

Tgt Ion: 62 Resp: 93670

Ion Ratio Lower Upper

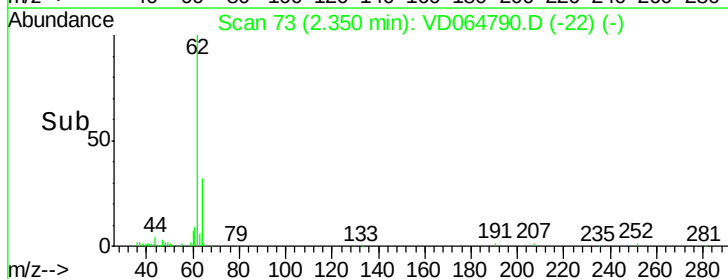
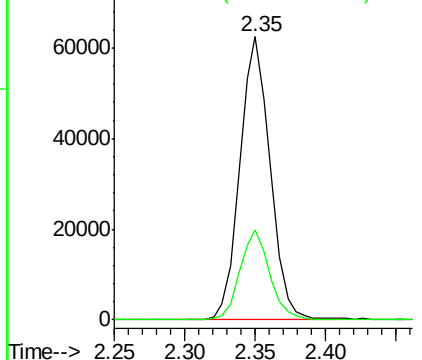
62 100

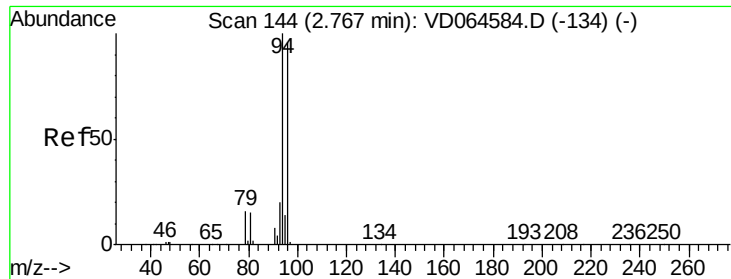
64 31.9 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.163 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 94 Resp: 67472

Ion Ratio Lower Upper

94 100

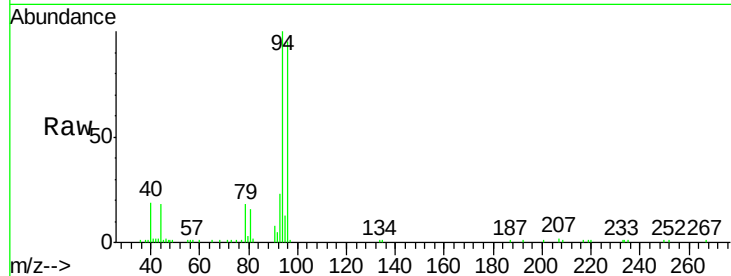
96 93.6 77.2 115.8

Manual Integrations

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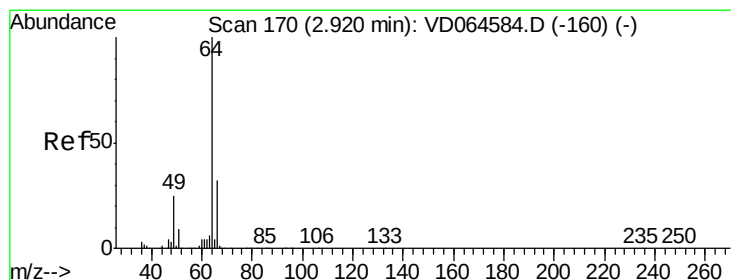
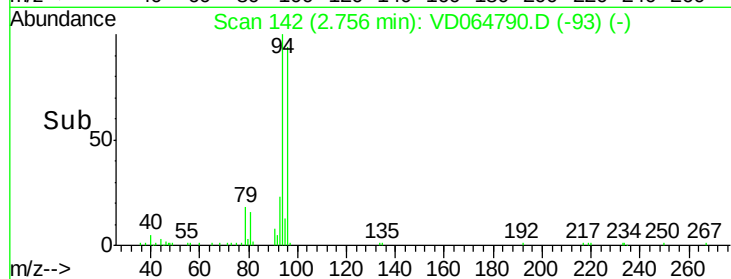
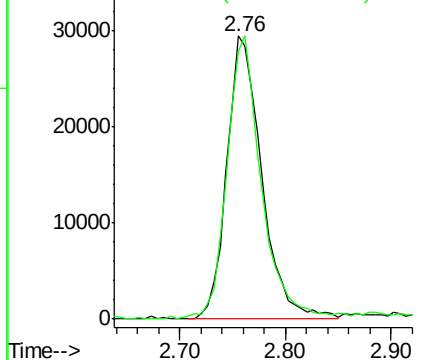
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 21.575 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064790.D

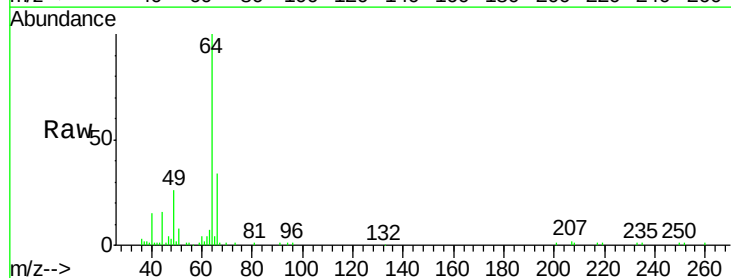
Acq: 07 Jan 2020 13:47

Tgt Ion: 64 Resp: 63390

Ion Ratio Lower Upper

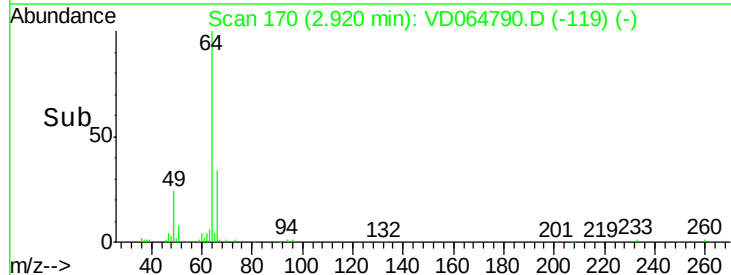
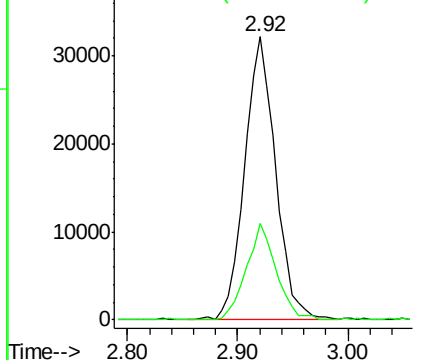
64 100

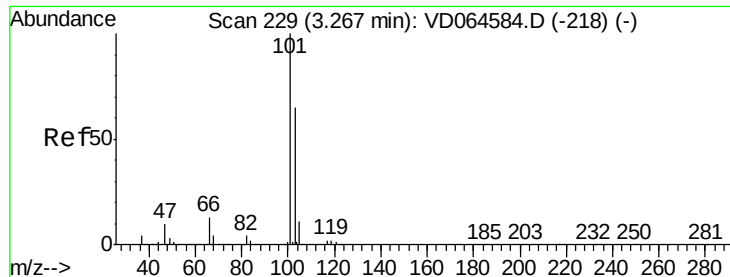
66 34.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

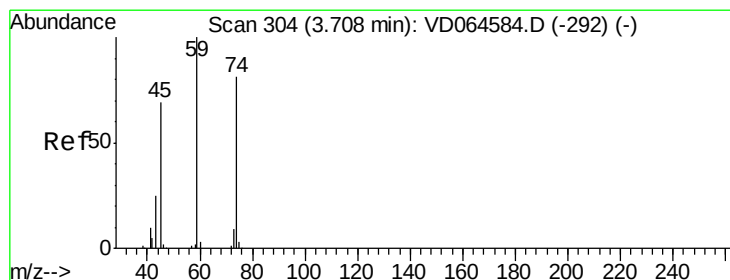
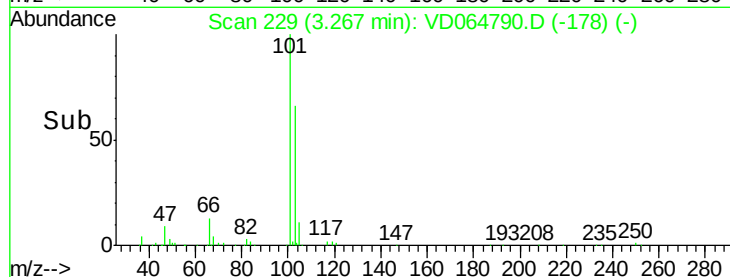
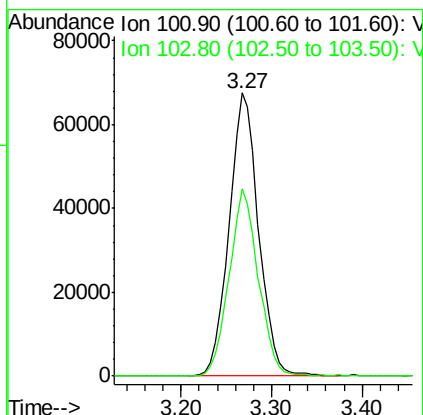
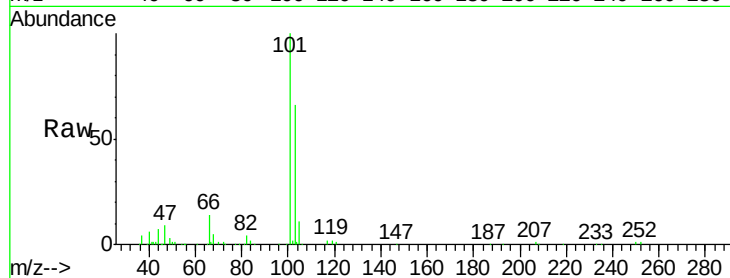
Trichlorofluoromethane
Concen: 20.686 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

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VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	152731		
103	66.1	52.2	78.4	

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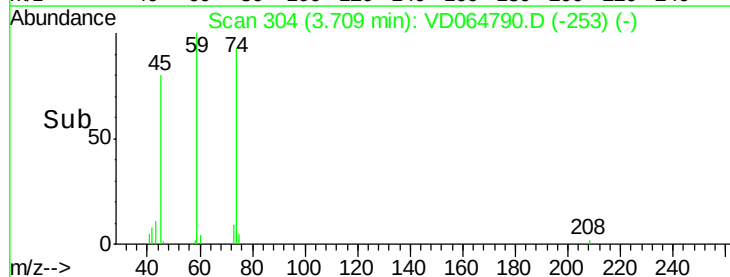
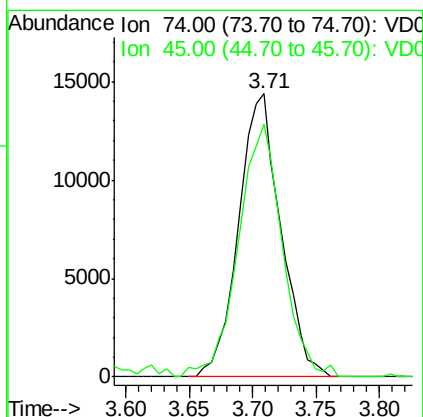
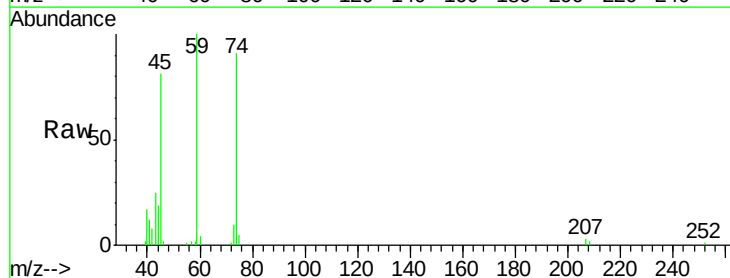
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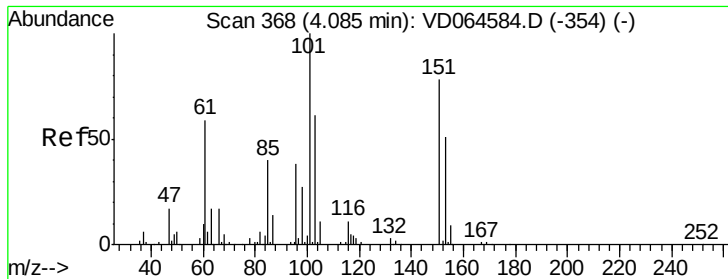


#8

Diethyl Ether
Concen: 22.674 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	33243		
45	93.1	47.5	142.5	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.664 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

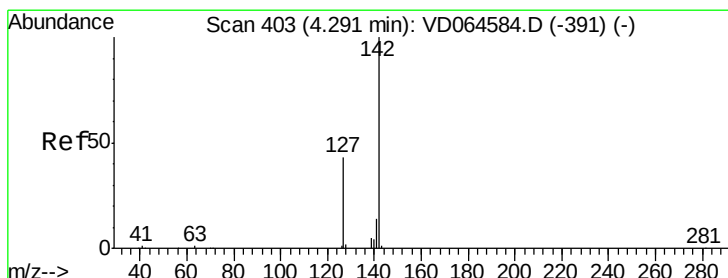
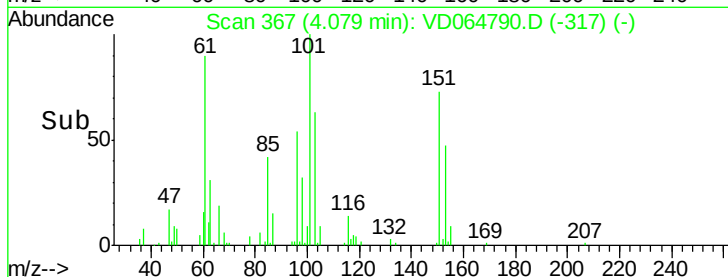
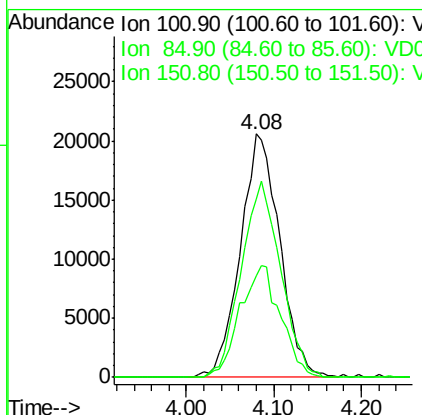
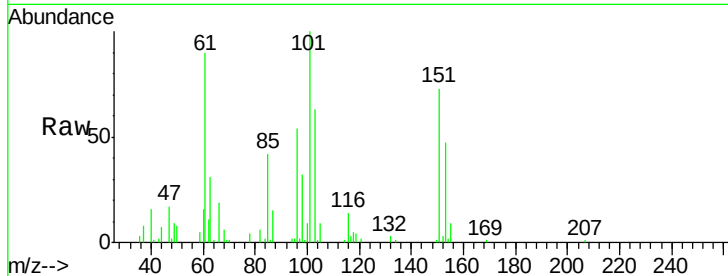
ClientSampleId :

VD0107SBS01

Tgt Ion:	101	Resp:	63185
Ion Ratio	Lower	Upper	
101	100		
85	47.4	35.2	52.8
151	80.6	66.2	99.4

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#10

Methyl Iodide

Concen: 19.031 ug/l

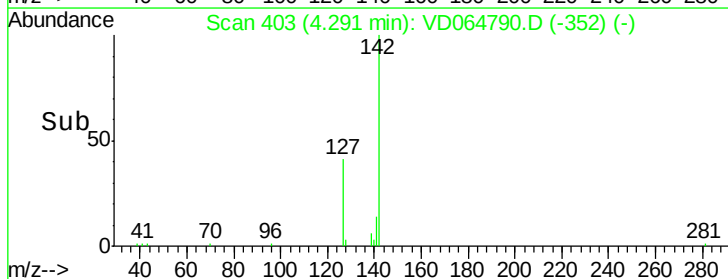
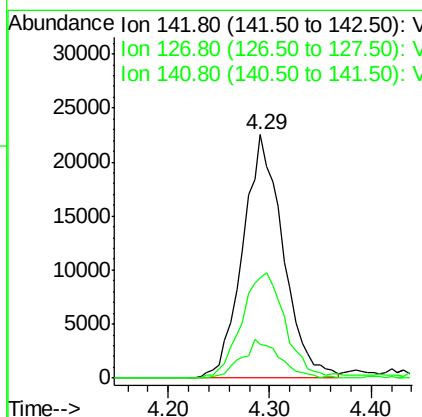
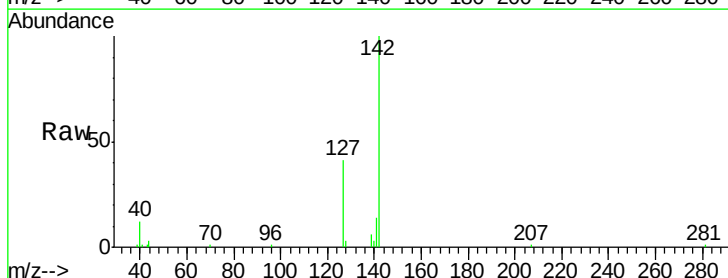
RT: 4.29 min Scan# 403

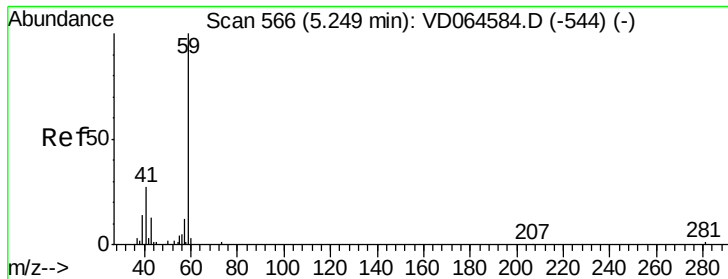
Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion:	142	Resp:	62505
Ion Ratio	Lower	Upper	
142	100		
127	46.2	36.2	54.4
141	15.1	11.8	17.8





#11

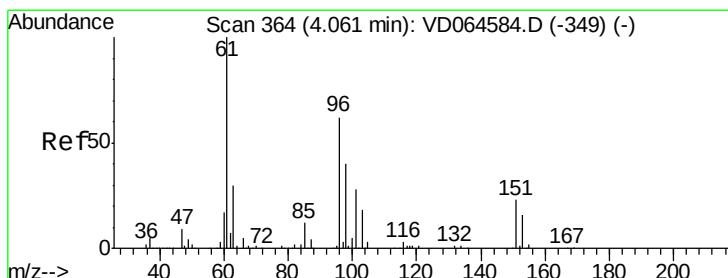
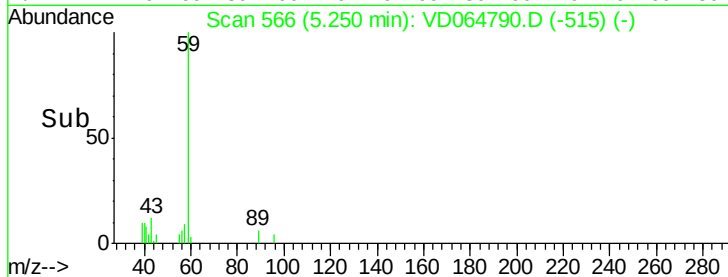
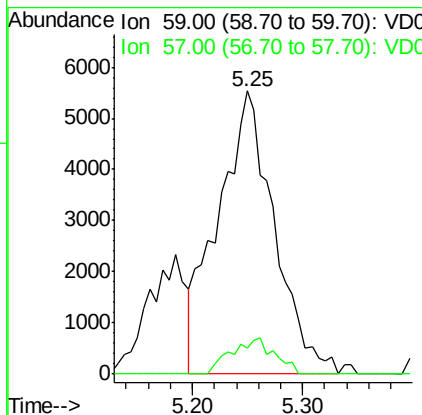
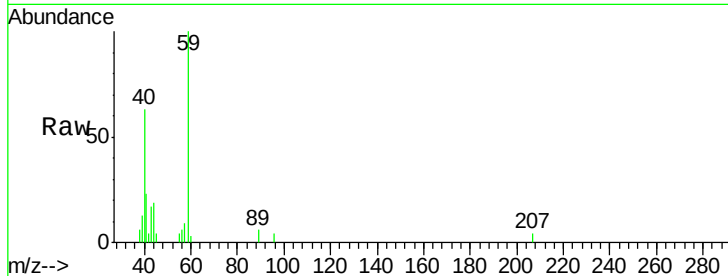
Tert butyl alcohol
Concen: 117.866 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
59	100		
57	9.8	9.3	13.9

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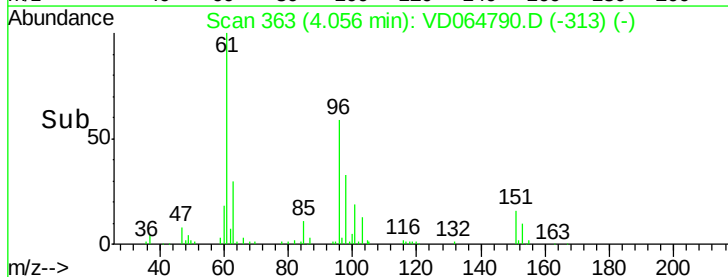
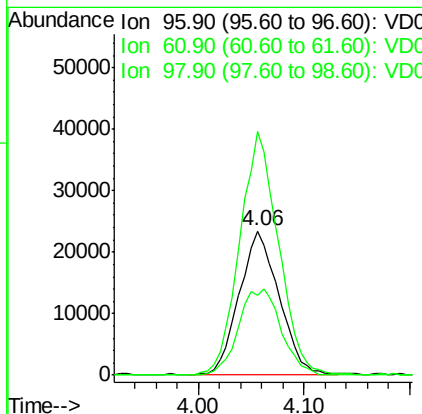
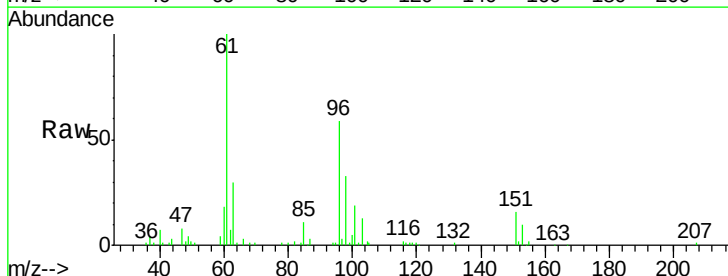
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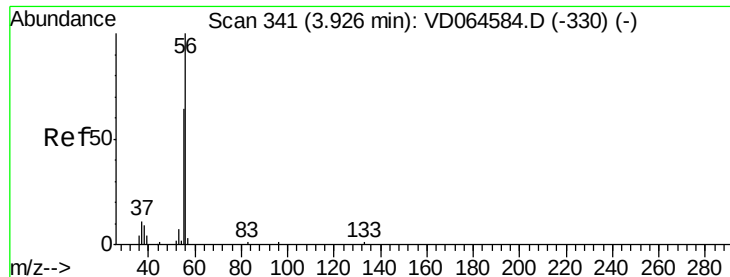


#12

1,1-Dichloroethene
Concen: 21.127 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.9	129.4	194.0
98	55.5	51.4	77.0





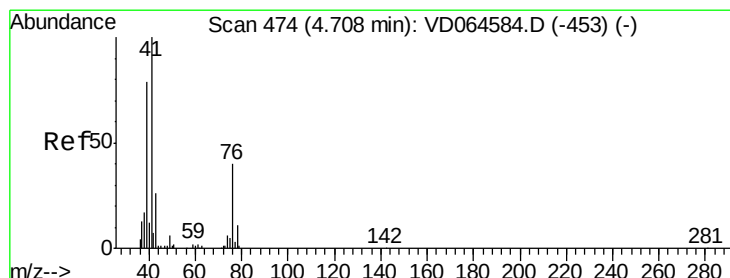
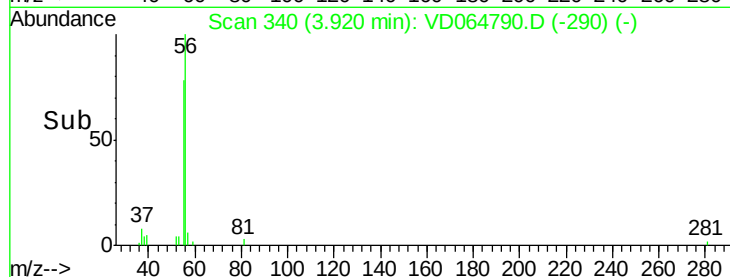
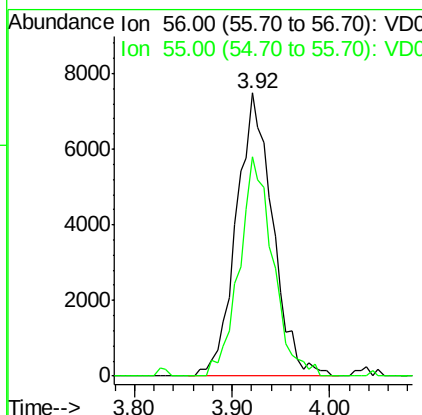
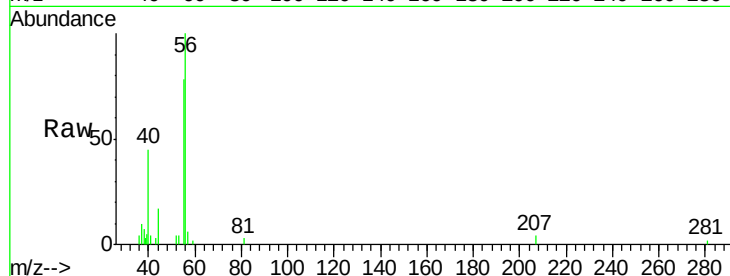
#13
Acrolein
Concen: 83.123 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion: 56 Resp: 19371
Ion Ratio Lower Upper
56 100
55 71.8 56.7 85.1

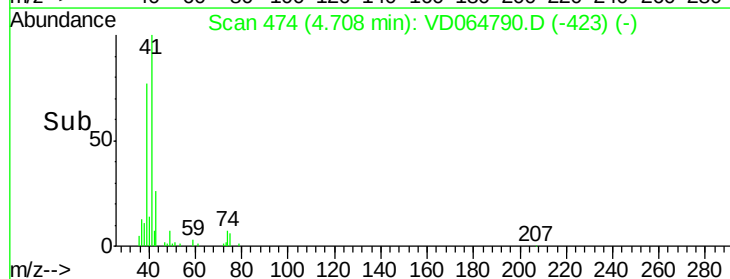
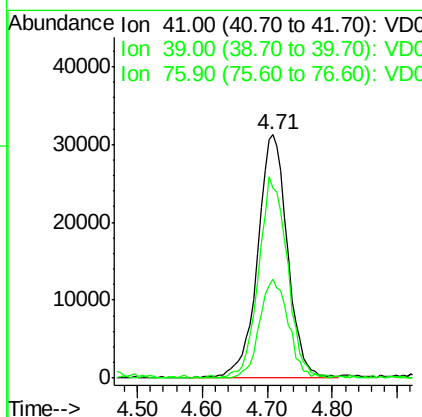
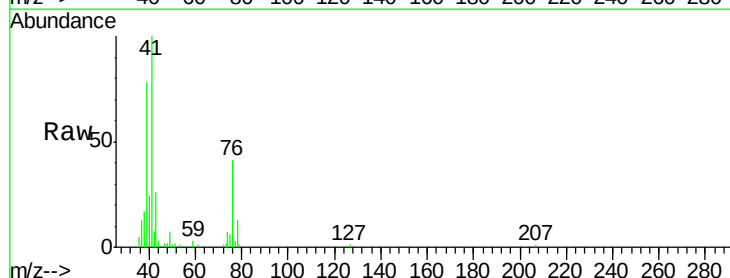
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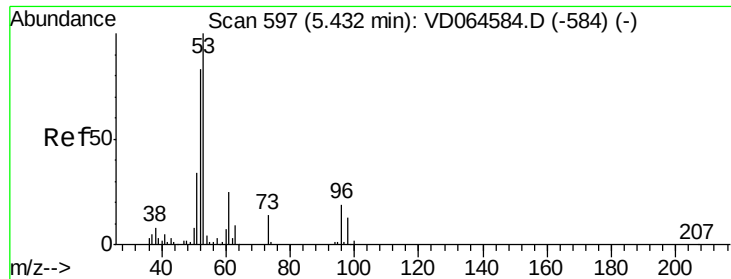
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#14
Allyl chloride
Concen: 21.934 ug/l
RT: 4.71 min Scan# 474
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 41 Resp: 99553
Ion Ratio Lower Upper
41 100
39 79.7 62.3 93.5
76 39.0 29.7 44.5





#15

Acrylonitrile

Concen: 114.287 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

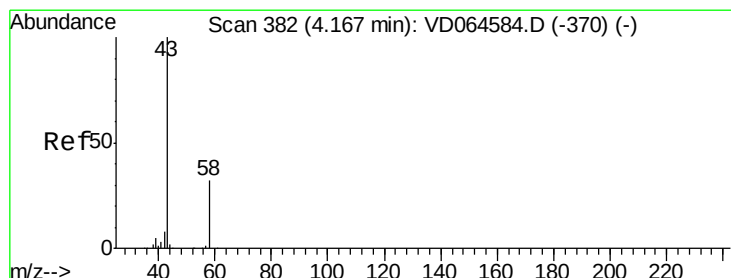
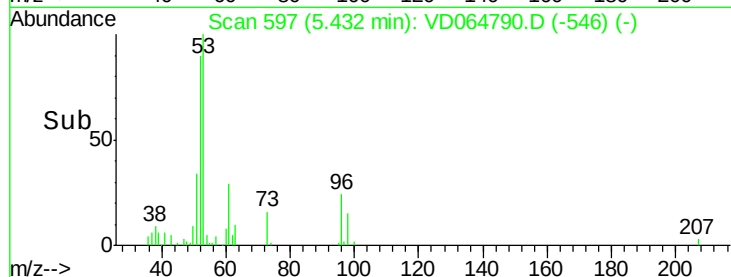
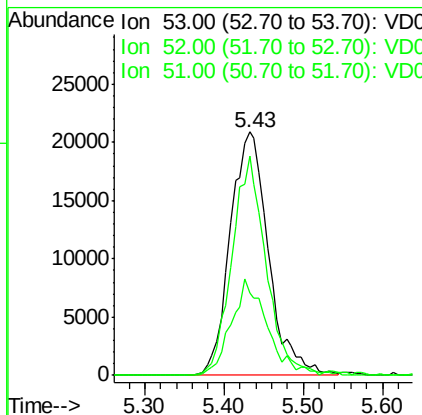
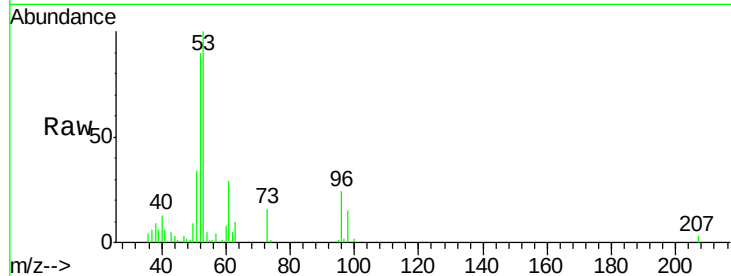
ClientSampleId :

VD0107SBS01

Tgt Ion:	53	Resp:	69795
Ion Ratio	Lower	Upper	
53	100		
52	80.2	66.2	99.2
51	37.1	30.1	45.1

Manual Integrations
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#16

Acetone

Concen: 106.106 ug/l

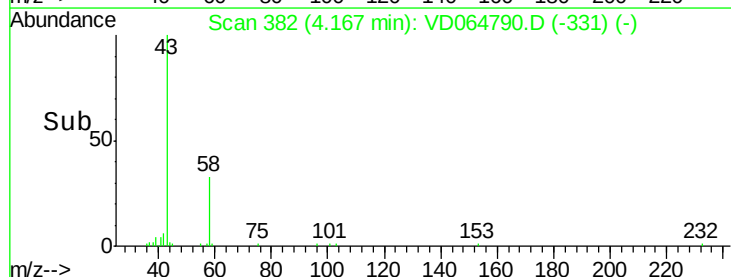
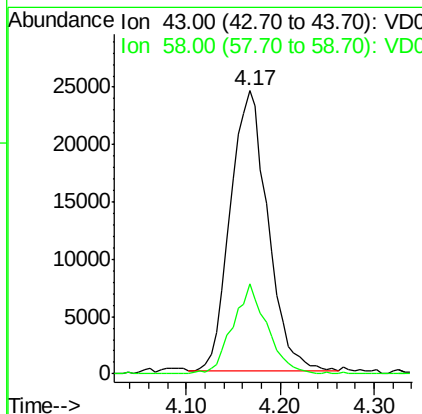
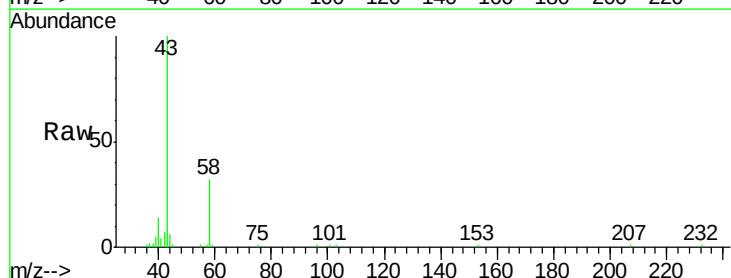
RT: 4.17 min Scan# 382

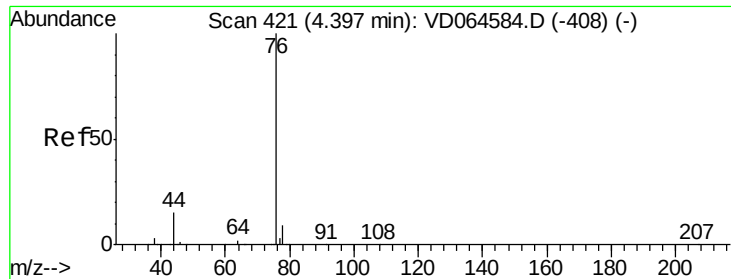
Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion:	43	Resp:	68178
Ion Ratio	Lower	Upper	
43	100		
58	32.4	25.8	38.6





#17

Carbon Disulfide

Concen: 20.814 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 76 Resp: 195916

Ion Ratio Lower Upper

76 100

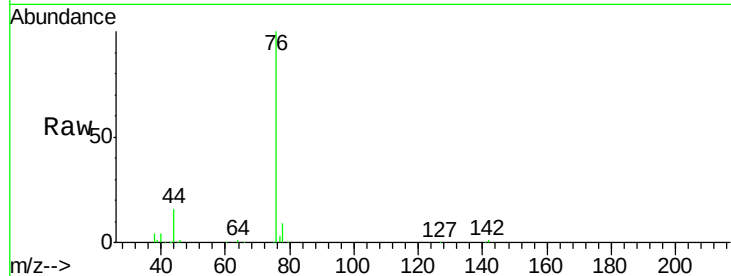
78 9.1 7.3 10.9

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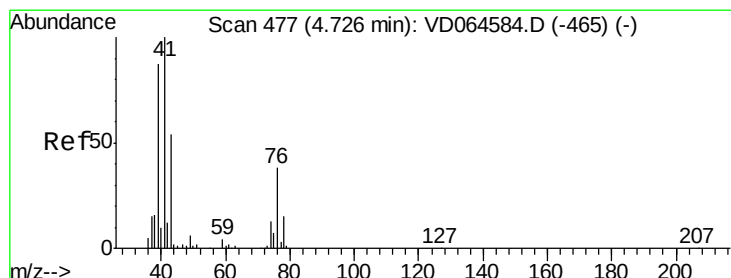
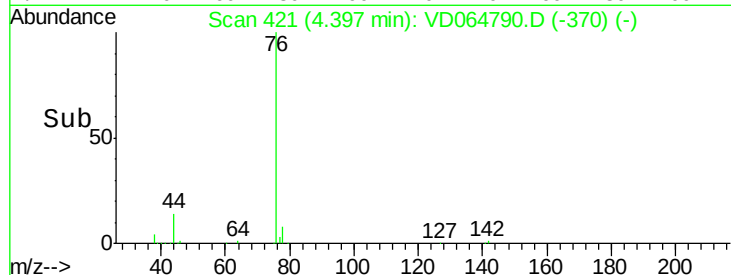
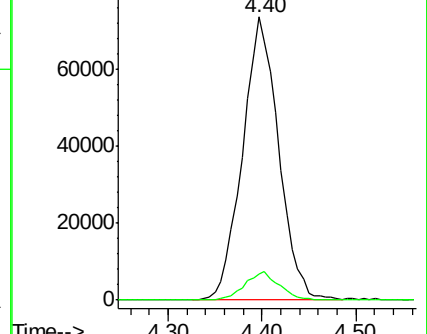
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.137 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD064790.D

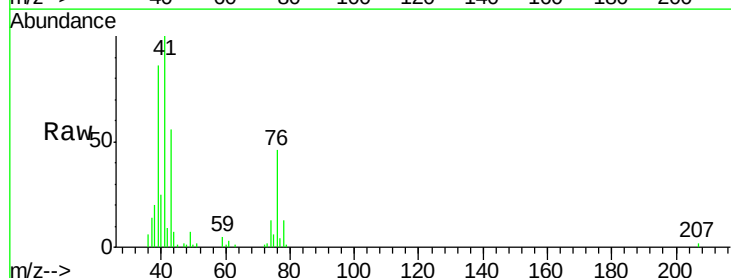
Acq: 07 Jan 2020 13:47

Tgt Ion: 43 Resp: 36363

Ion Ratio Lower Upper

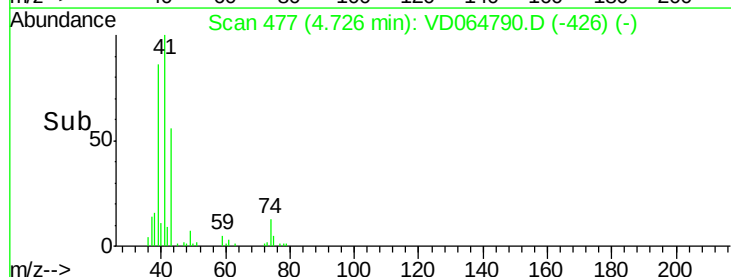
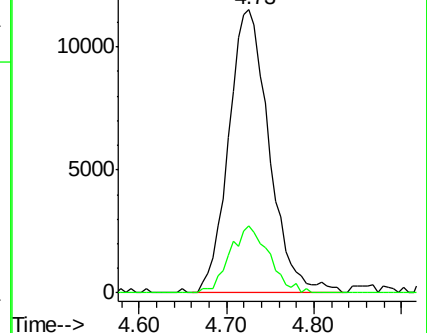
43 100

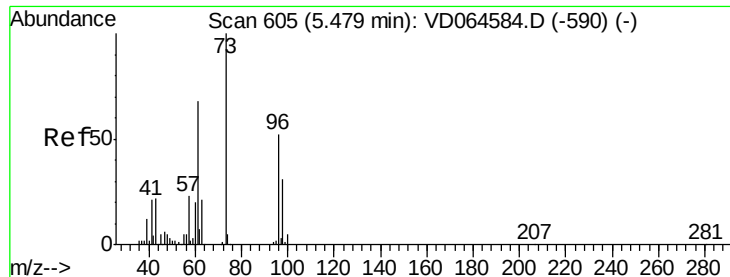
74 23.0 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





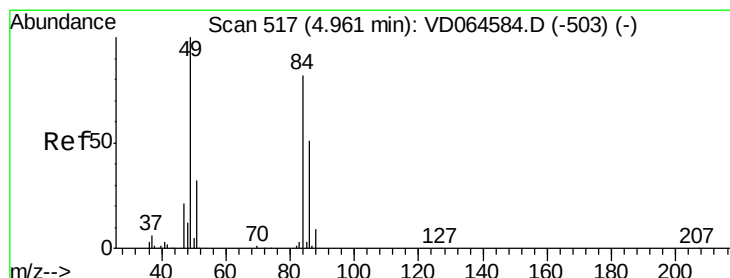
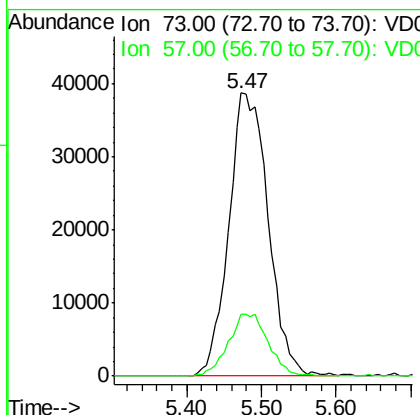
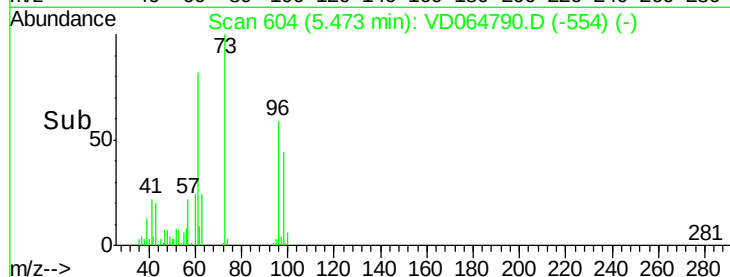
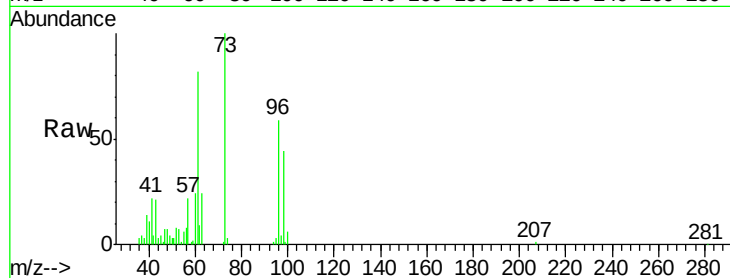
#19
Methyl tert-butyl Ether
Concen: 21.943 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion: 73 Resp: 141884
Ion Ratio Lower Upper
73 100
57 22.1 18.6 27.8

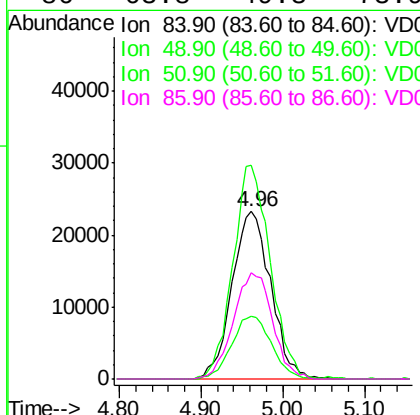
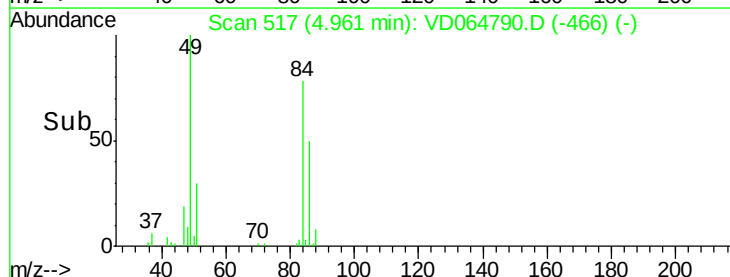
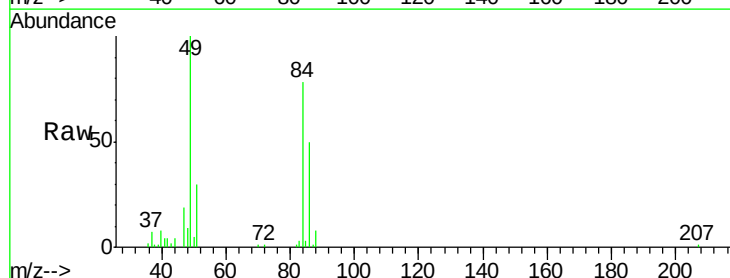
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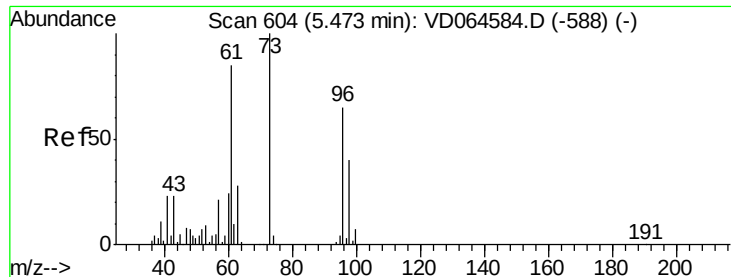
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#20
Methylene Chloride
Concen: 23.070 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 84 Resp: 76697
Ion Ratio Lower Upper
84 100
49 127.6 97.2 145.8
51 37.7 31.4 47.0
86 63.8 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 21.924 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

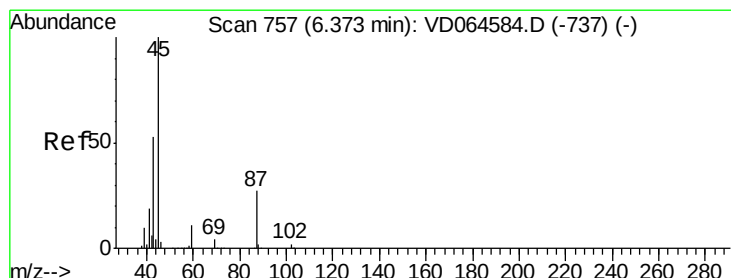
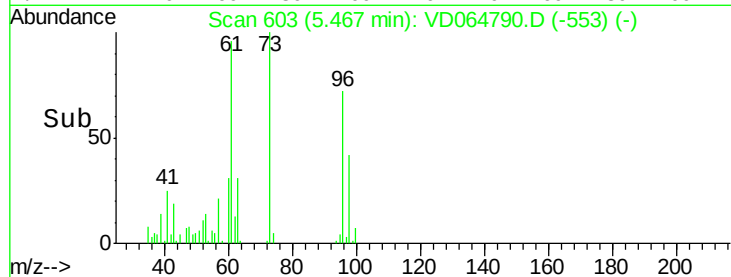
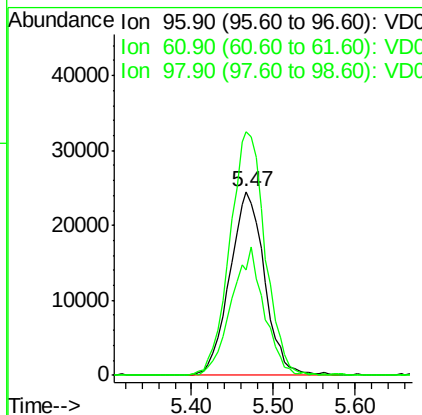
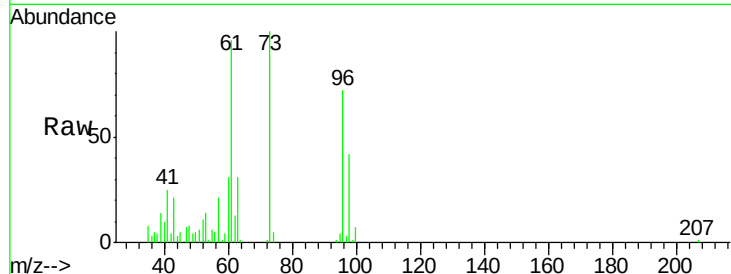
ClientSampleId :

VD0107SBS01

Tgt Ion:	96	Resp:	72683
Ion	Ratio	Lower	Upper
96	100		
61	132.3	104.7	157.1
98	57.6	49.4	74.2

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#22

Diisopropyl ether

Concen: 22.308 ug/l

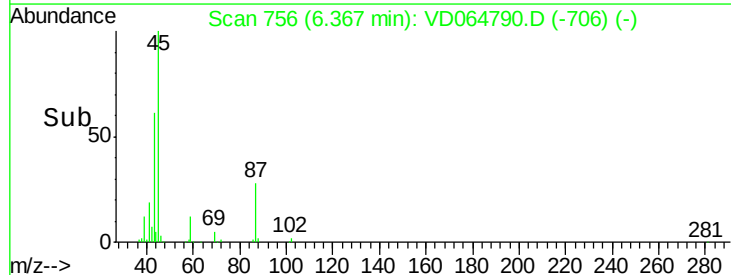
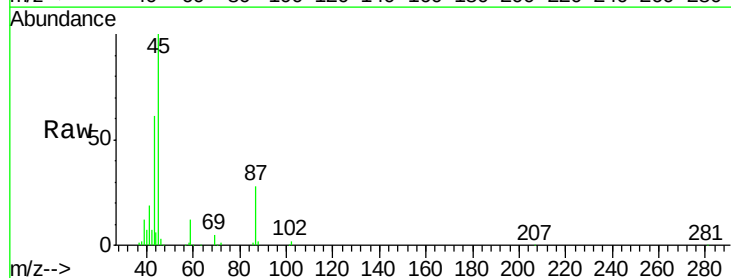
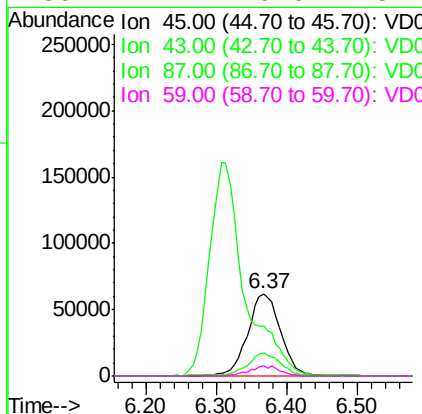
RT: 6.37 min Scan# 756

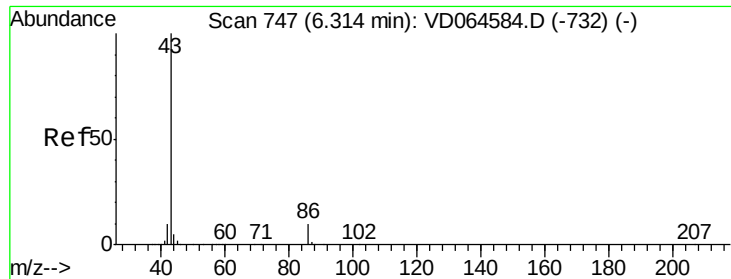
Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion:	45	Resp:	201951
Ion	Ratio	Lower	Upper
45	100		
43	59.9	43.2	64.8
87	27.9	21.9	32.9
59	11.7	9.0	13.4





#23

Vinyl Acetate

Concen: 108.824 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 43 Resp: 558853

Ion Ratio Lower Upper

43 100

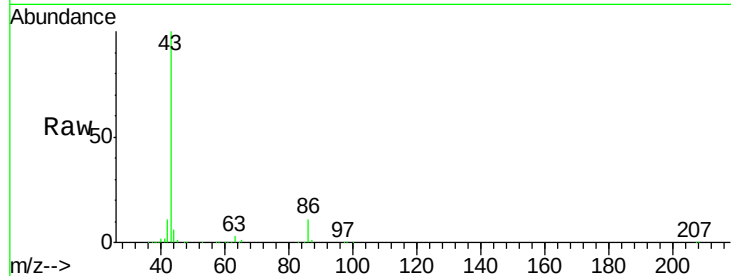
86 10.6 8.3 12.5

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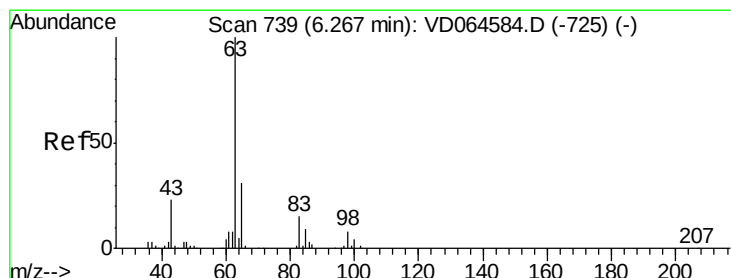
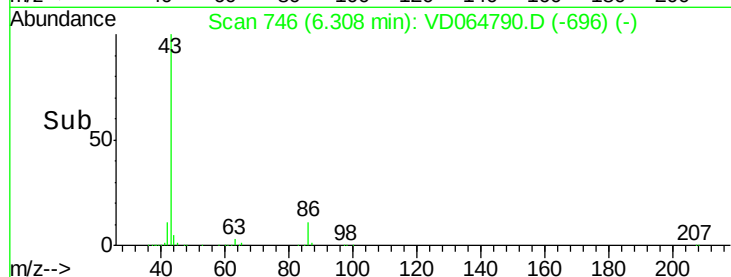
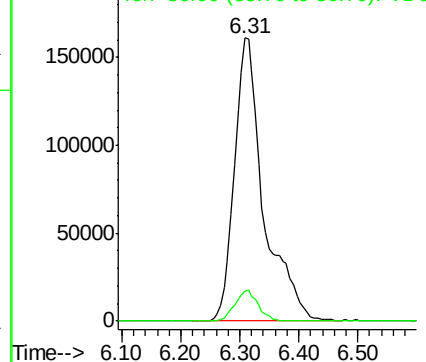
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.734 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

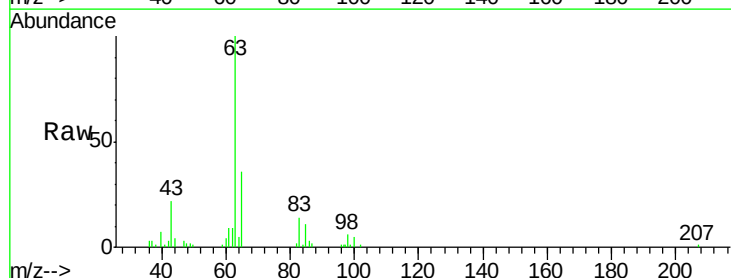
Tgt Ion: 63 Resp: 123553

Ion Ratio Lower Upper

63 100

98 6.2 4.1 12.3

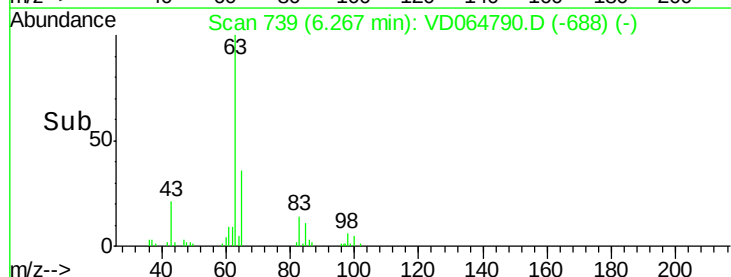
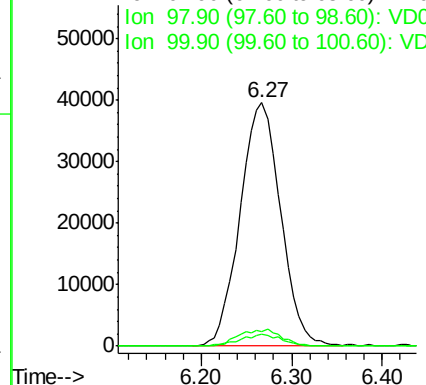
100 4.8 2.2 6.6

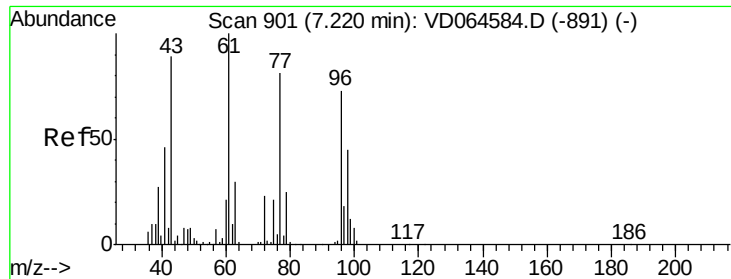


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 110.474 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 43 Resp: 88601

Ion Ratio Lower Upper

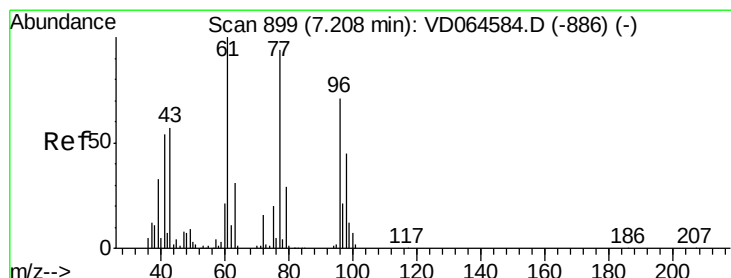
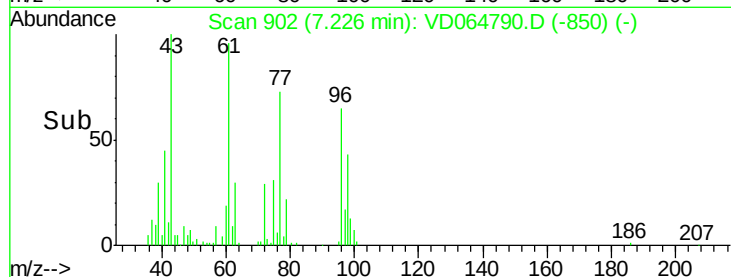
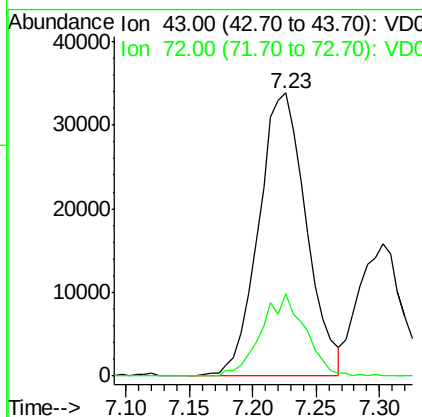
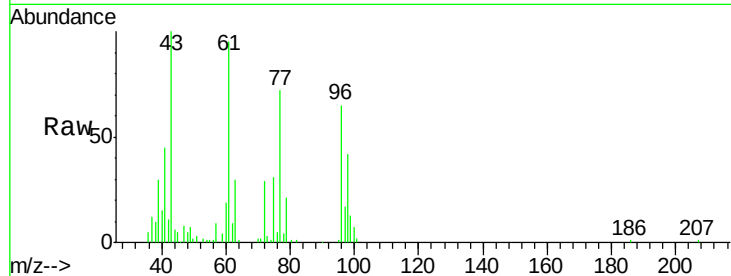
43 100

72 29.1 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 22.142 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064790.D

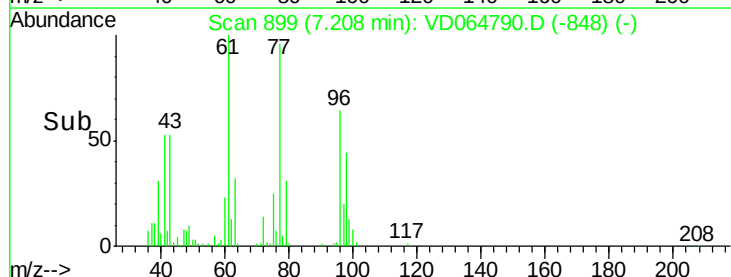
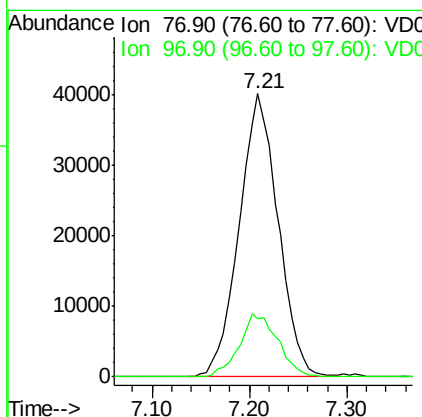
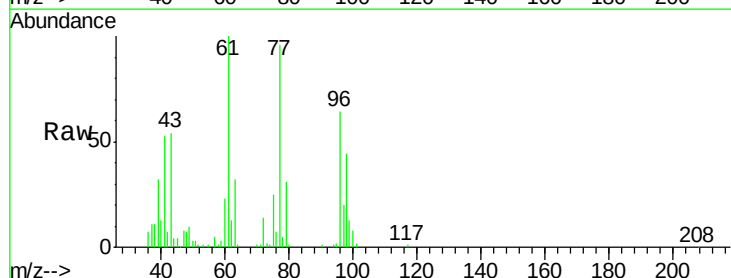
Acq: 07 Jan 2020 13:47

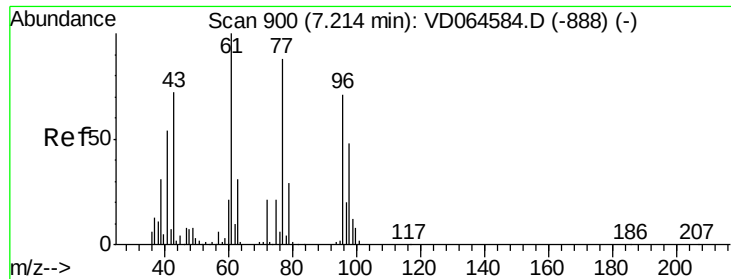
Tgt Ion: 77 Resp: 111885

Ion Ratio Lower Upper

77 100

97 22.0 11.2 33.6





#27

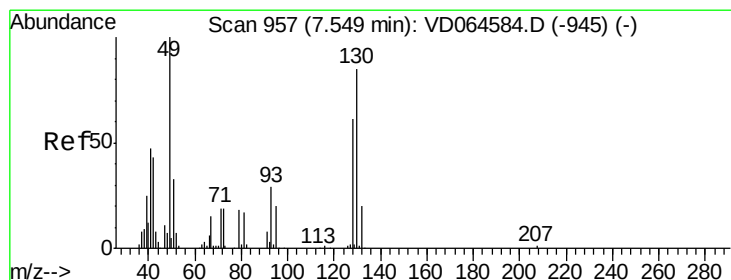
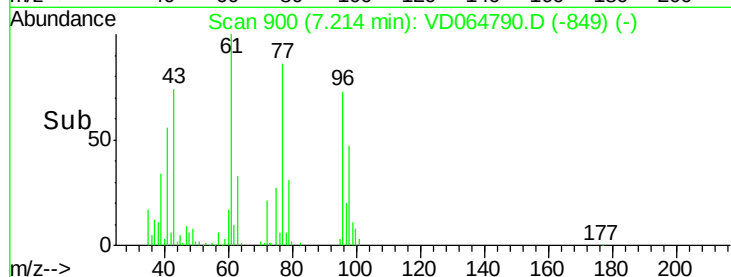
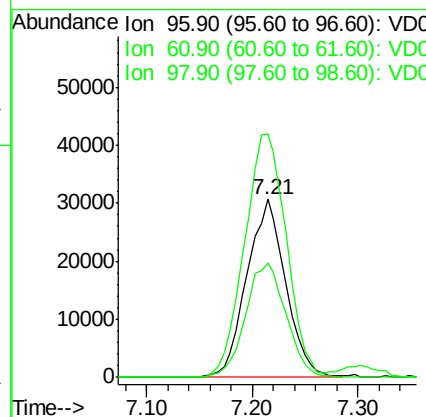
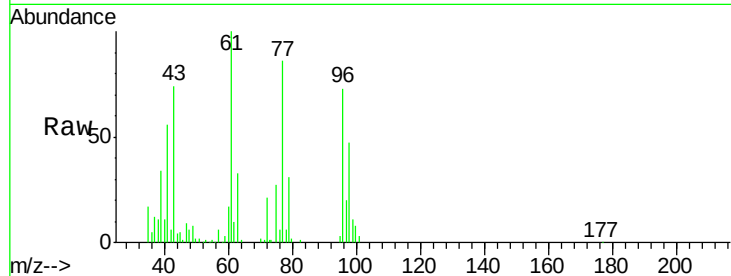
cis-1,2-Dichloroethene
Concen: 21.871 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	282.6
98	66.7	0.0	130.8

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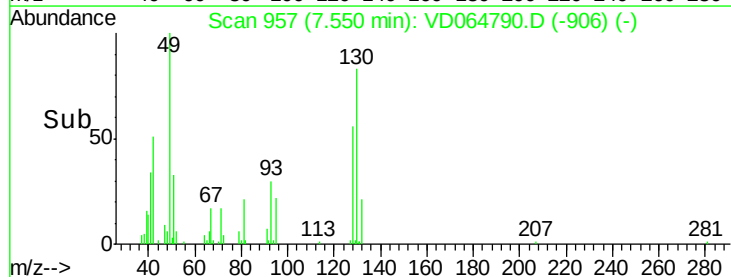
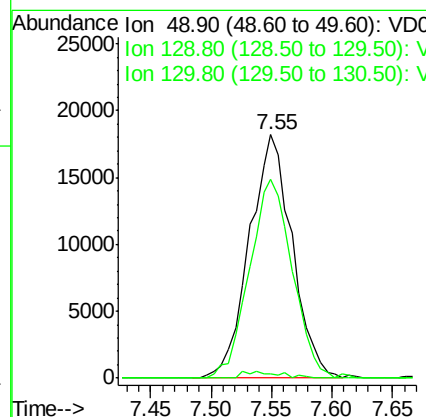
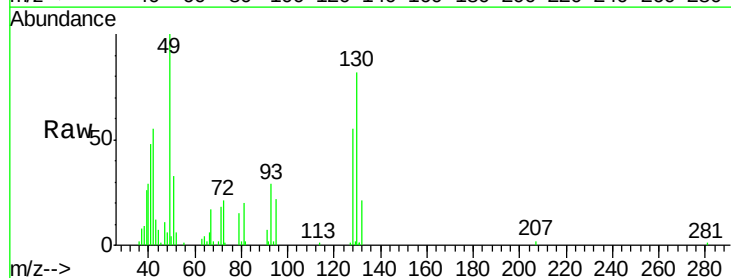
apatel
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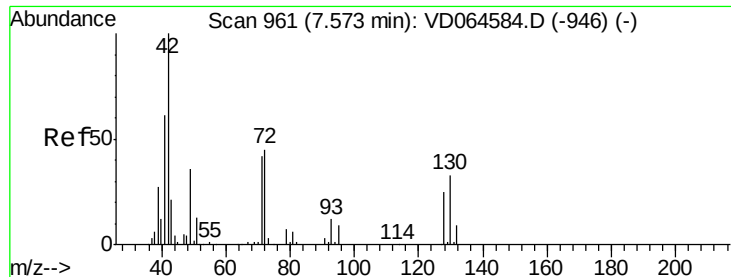


#28

Bromochloromethane
Concen: 21.262 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.8
130	82.2	65.0	97.6





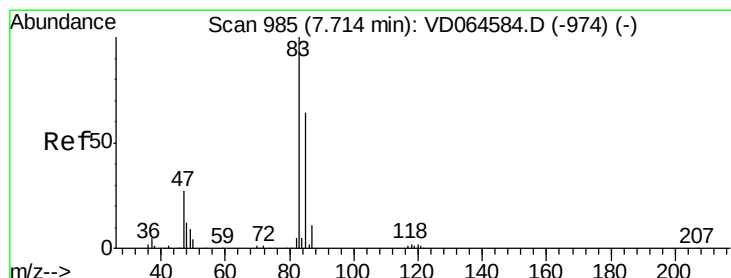
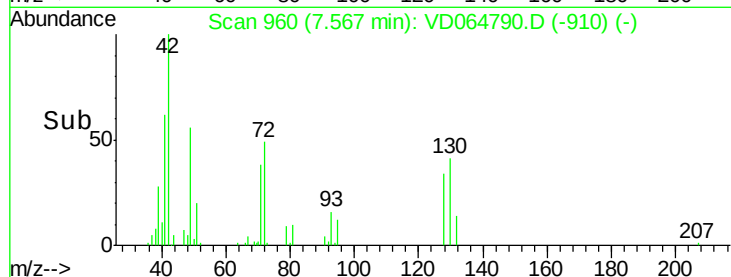
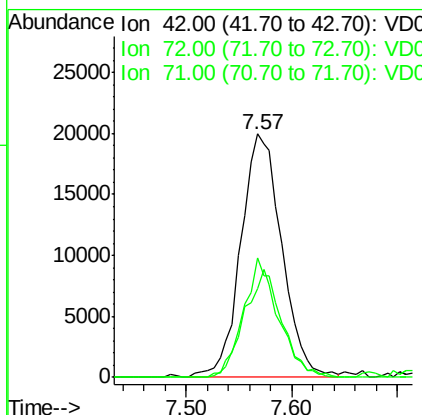
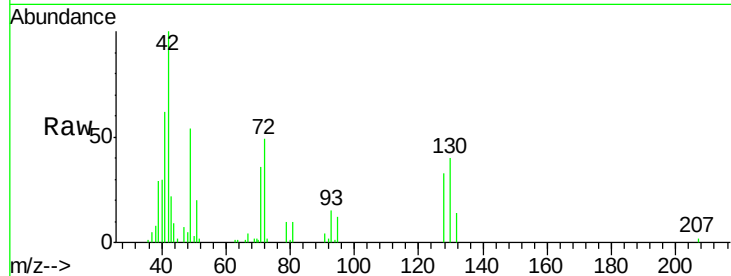
#29
Tetrahydrofuran
Concen: 107.976 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.0	52.4
71	39.3	32.9	49.3

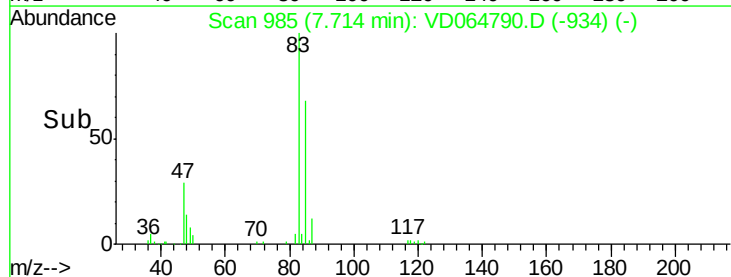
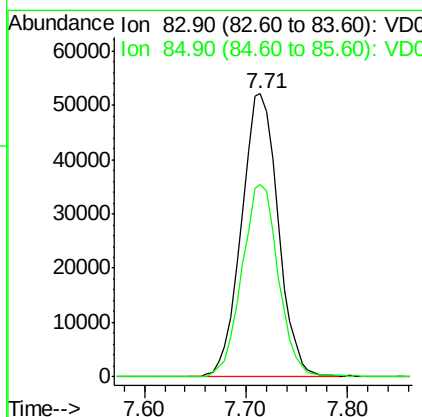
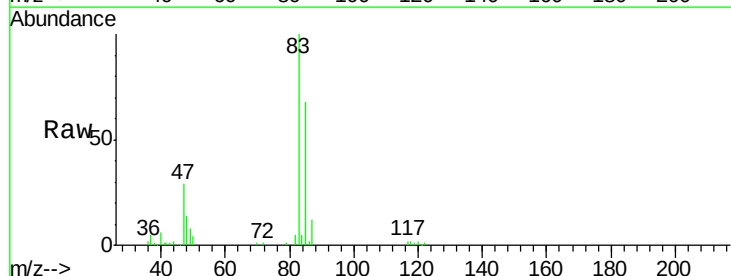
Manual Integrations
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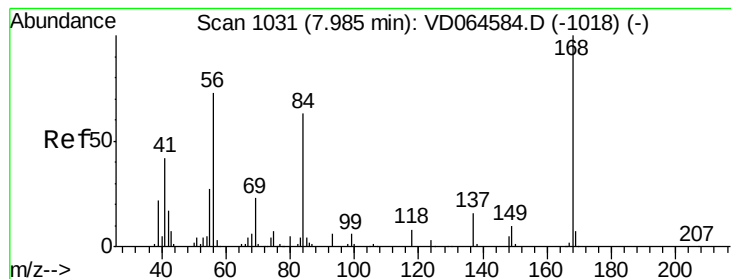
apatel
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#30
Chloroform
Concen: 23.085 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.1	76.7





#31

Cyclohexane

Concen: 20.265 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 56 Resp: 110245
Ion Ratio Lower Upper

56 100

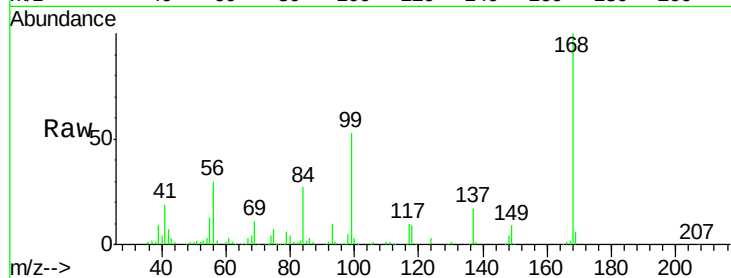
69 37.3 24.7 37.1#

84 89.4 69.4 104.2

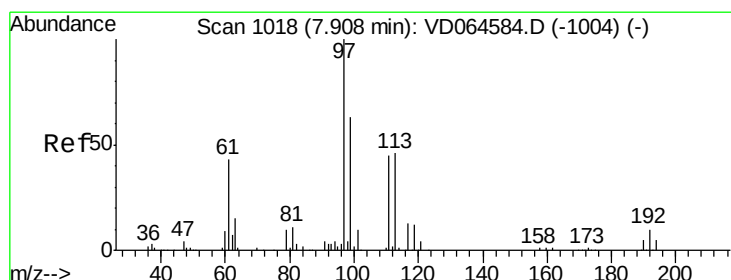
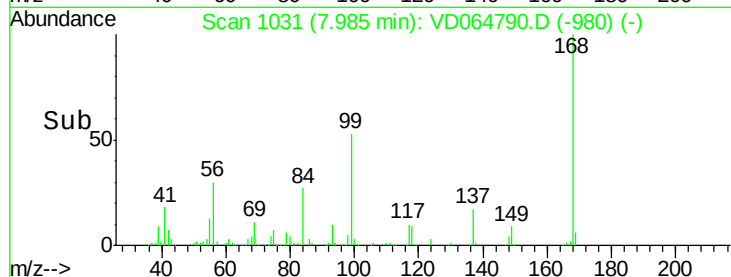
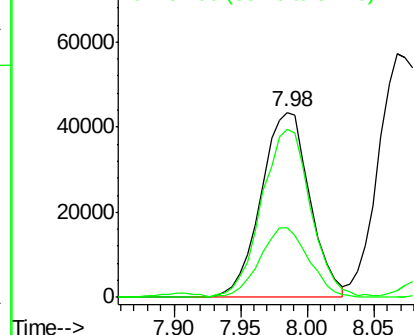
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 22.488 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064790.D

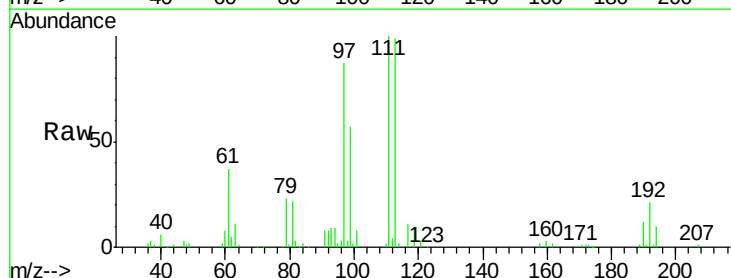
Acq: 07 Jan 2020 13:47

Tgt Ion: 97 Resp: 120437
Ion Ratio Lower Upper

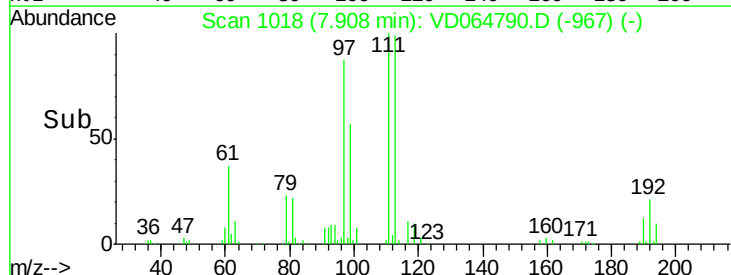
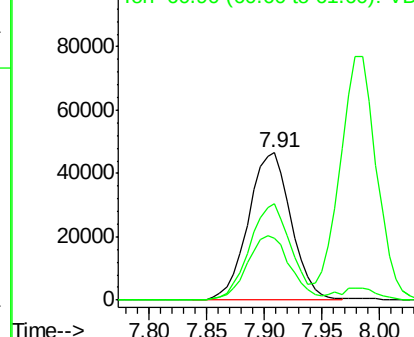
97 100

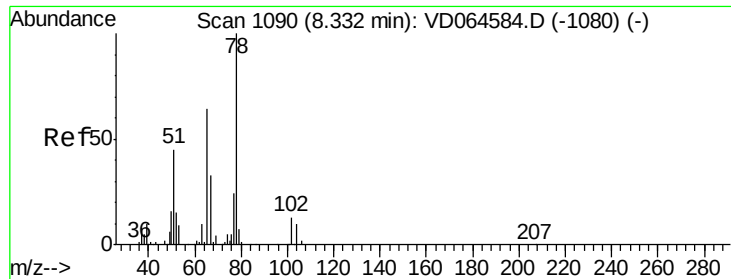
99 62.6 51.0 76.6

61 43.8 35.4 53.0



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





#33

1,2-Dichloroethane-d4

Concen: 52.247 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 65 Resp: 152442

Ion Ratio Lower Upper

65 100

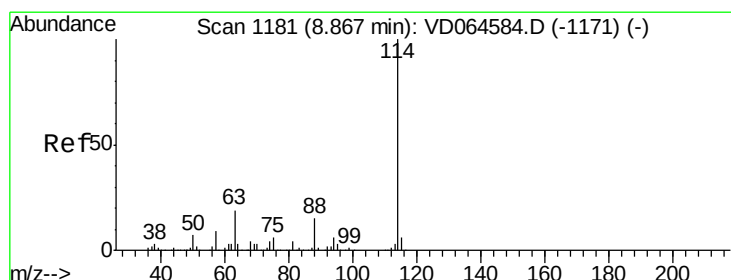
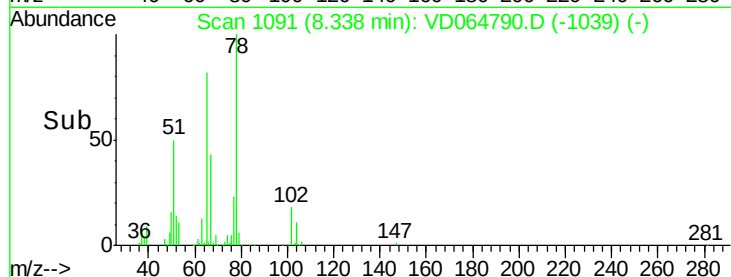
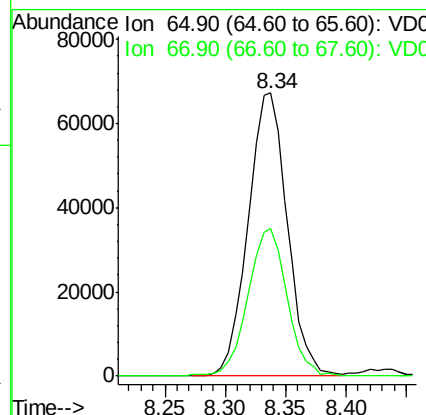
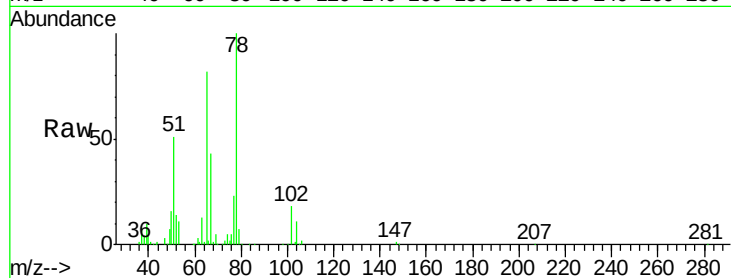
67 52.1 0.0 106.2

Manual Integrations

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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: VD064790.D

Acq: 07 Jan 2020 13:47

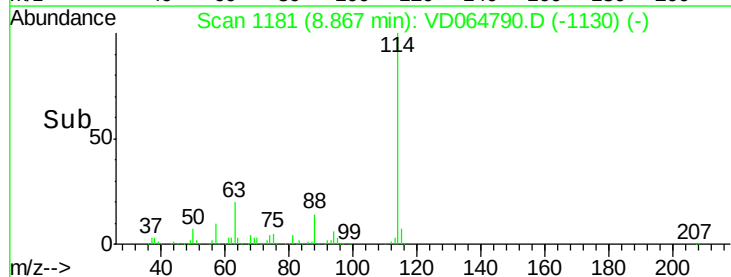
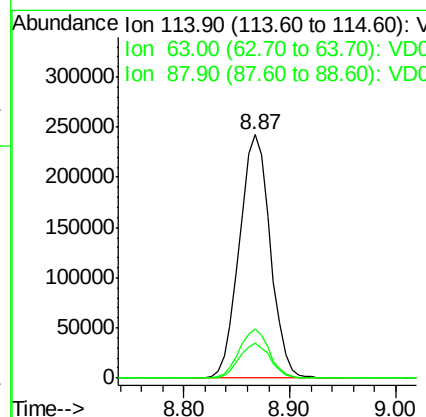
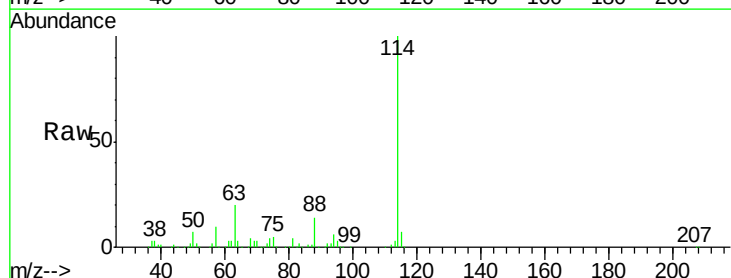
Tgt Ion: 114 Resp: 490248

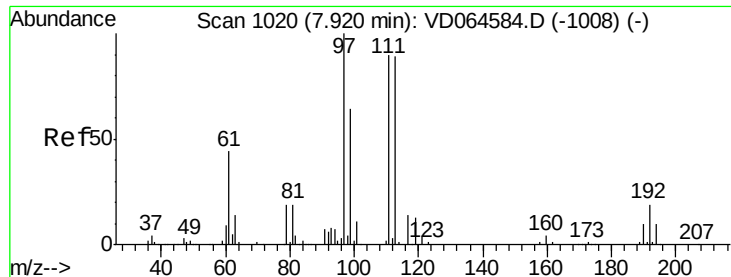
Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.0

88 14.5 0.0 29.2





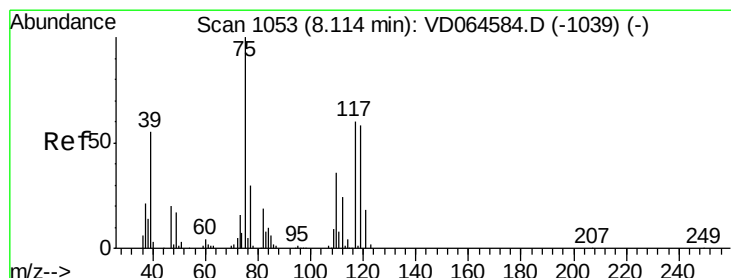
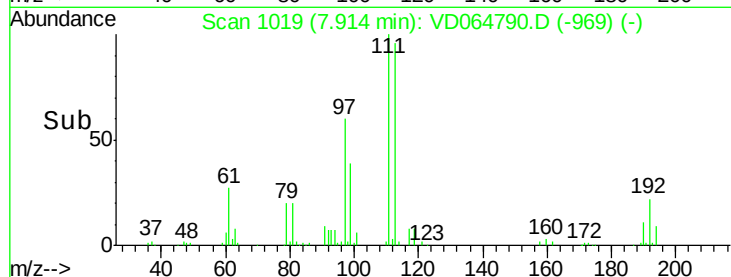
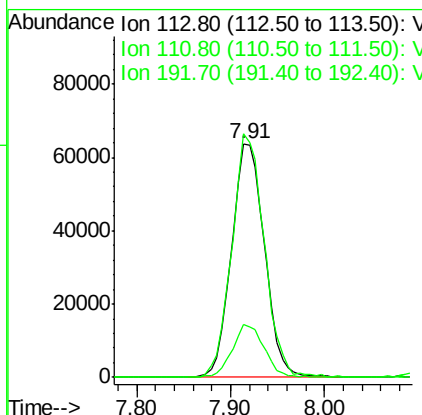
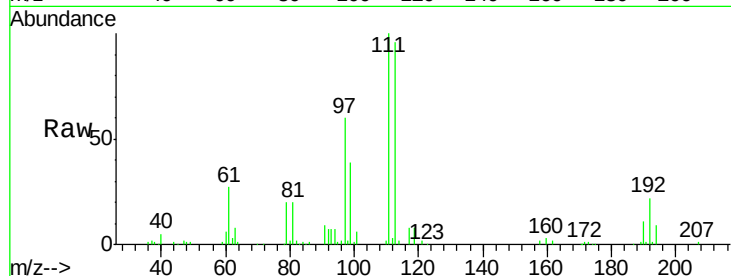
#35
 Dibromofluoromethane
 Concen: 51.707 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	155521		
111	102.5	80.6	121.0	
192	21.8	17.9	26.9	

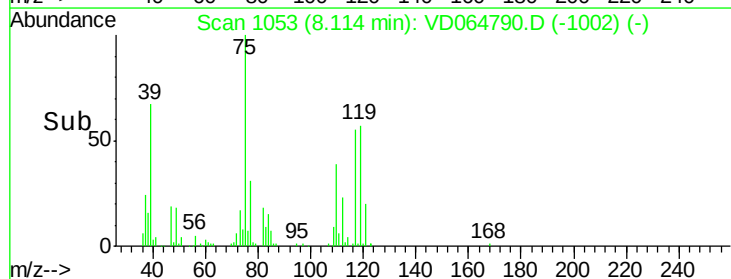
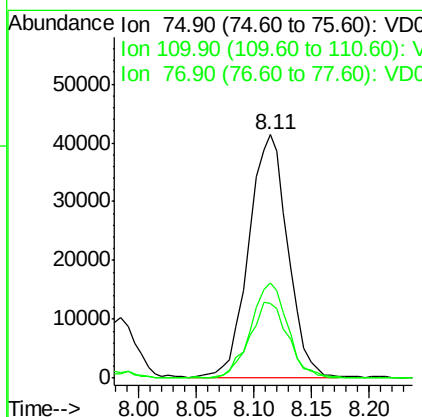
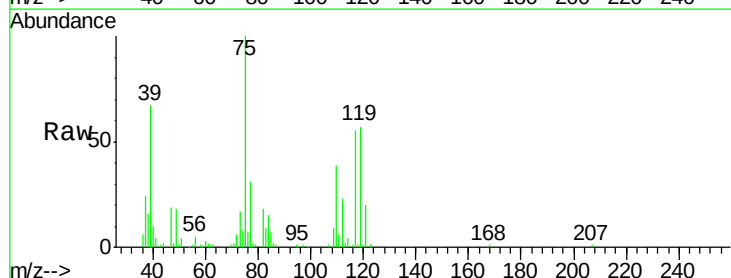
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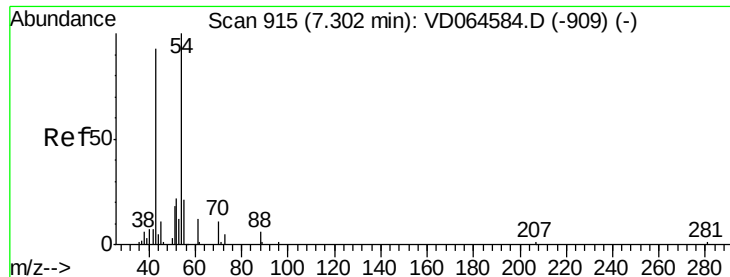
apatel
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#36
 1,1-Dichloropropene
 Concen: 20.755 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	97934		
110	36.9	18.1	54.1	
77	31.0	24.2	36.4	





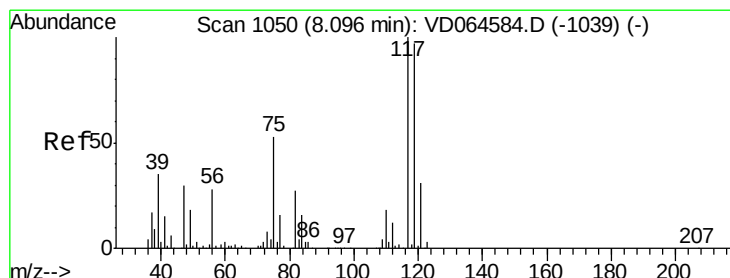
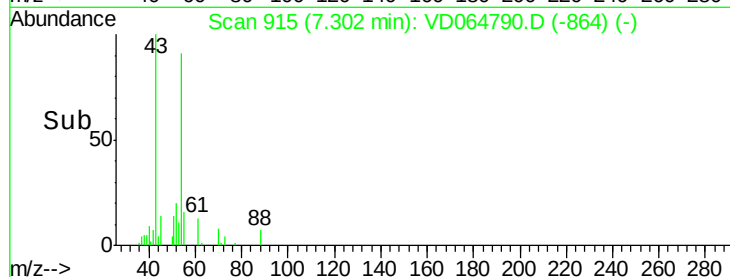
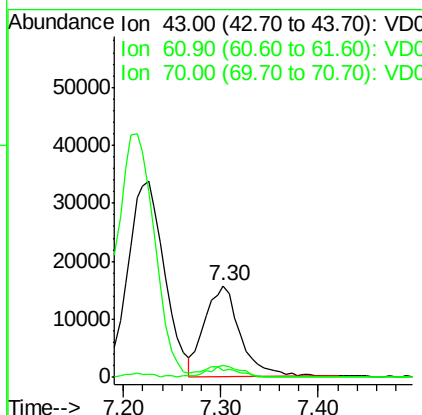
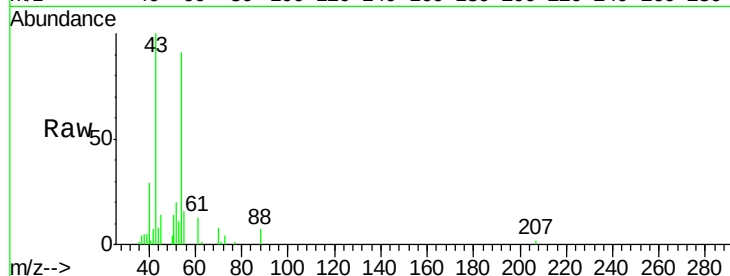
#37
Ethyl Acetate
Concen: 21.435 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion: 43 Resp: 39735
Ion Ratio Lower Upper
43 100
61 13.8 10.3 15.5
70 9.7 7.6 11.4

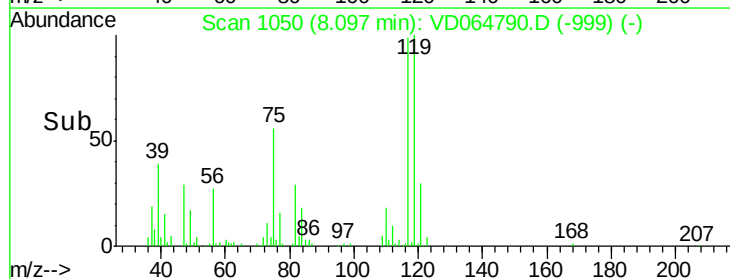
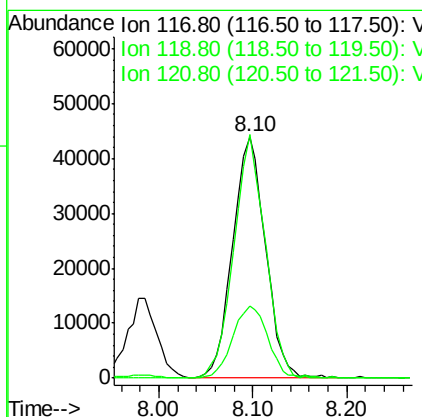
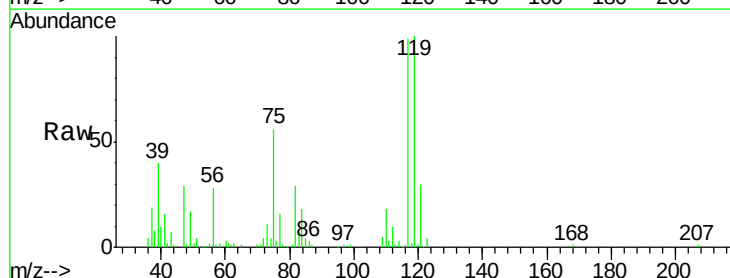
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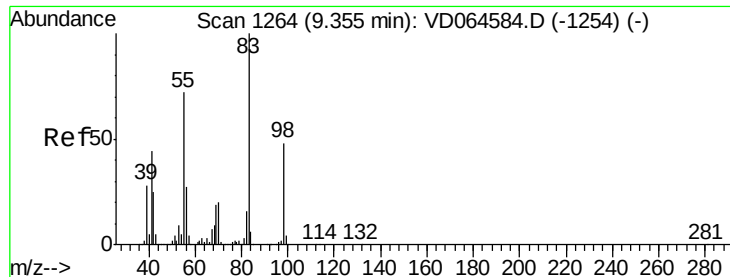
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#38
Carbon Tetrachloride
Concen: 21.172 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 117 Resp: 106524
Ion Ratio Lower Upper
117 100
119 100.8 77.3 115.9
121 29.8 25.0 37.6





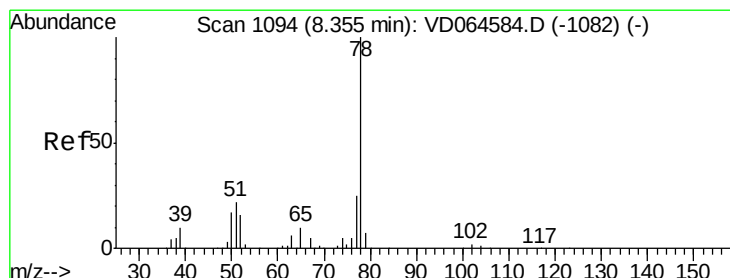
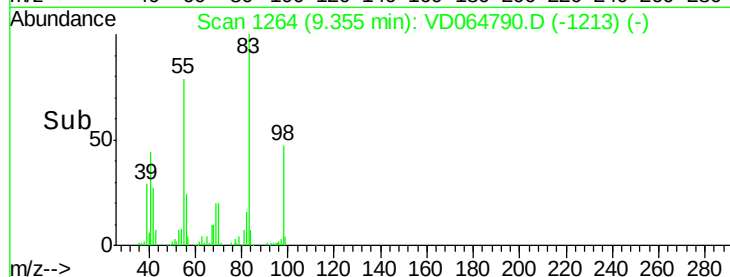
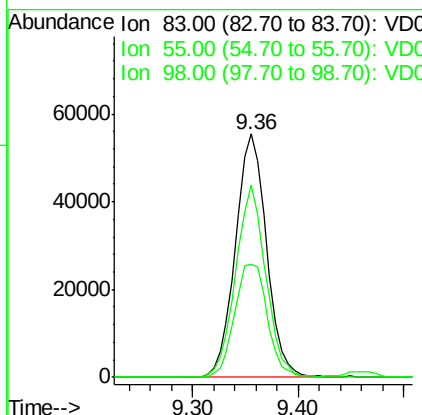
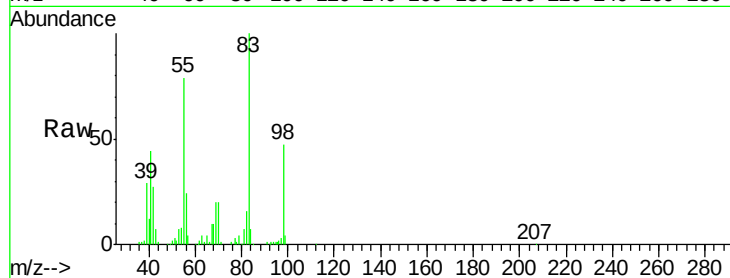
#39
Methylcyclohexane
Concen: 19.811 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	78.9	57.8	86.6
98	46.7	38.7	58.1

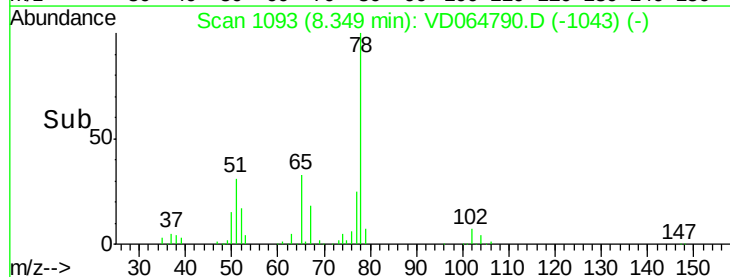
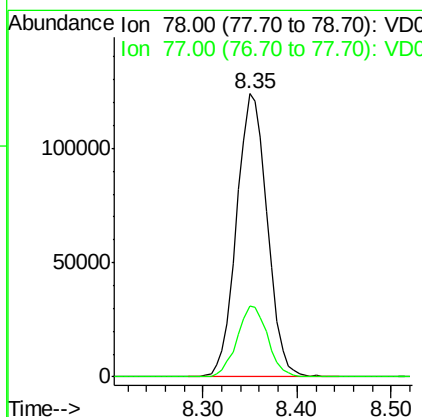
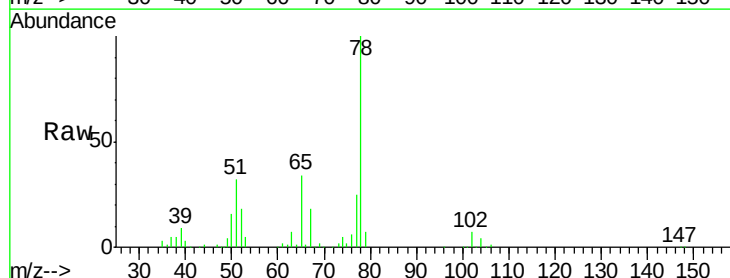
Manual Integrations
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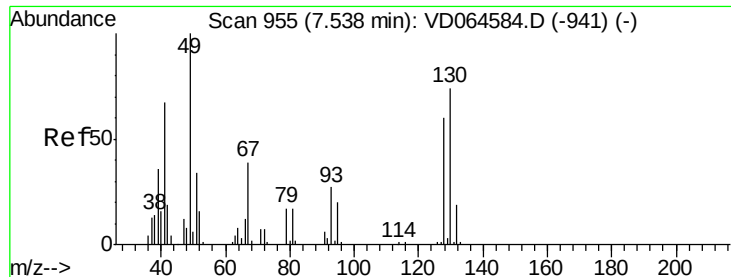
apatel
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#40
Benzene
Concen: 21.803 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.2	19.9	29.9





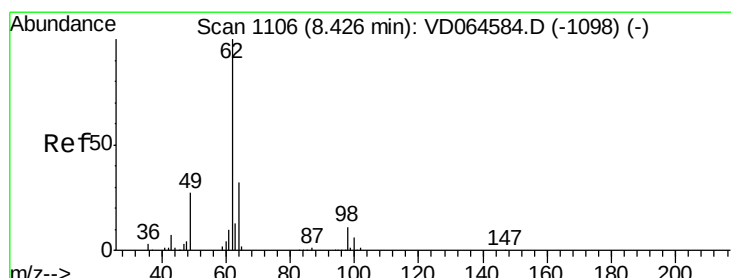
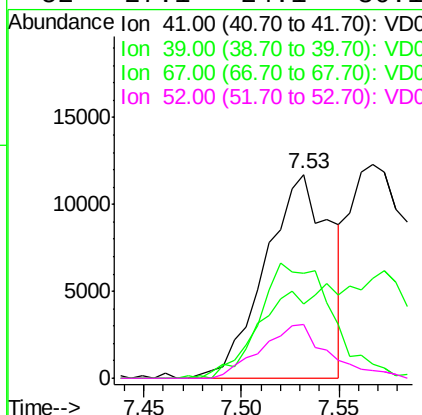
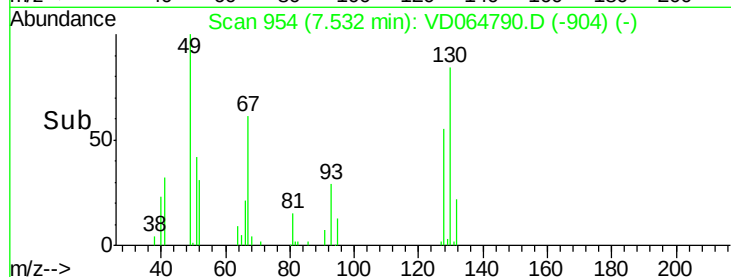
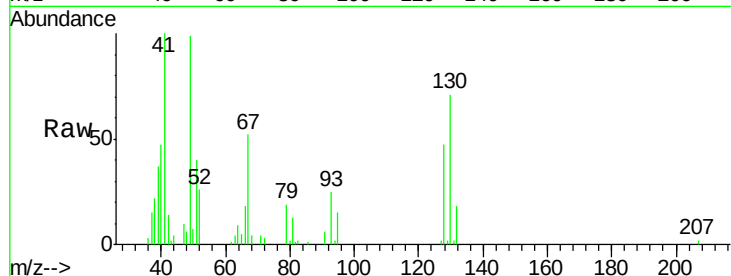
#41
Methacrylonitrile
Concen: 25.465 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	31.5	46.7	70.1#
67	63.0	52.5	78.7
52	27.1	24.1	36.1

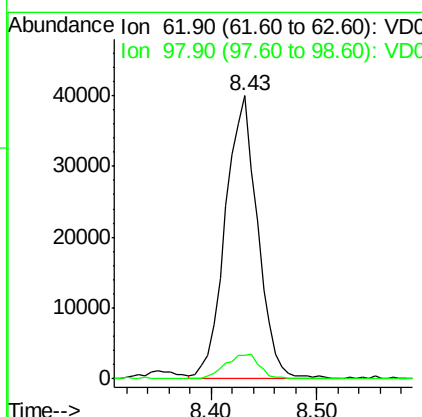
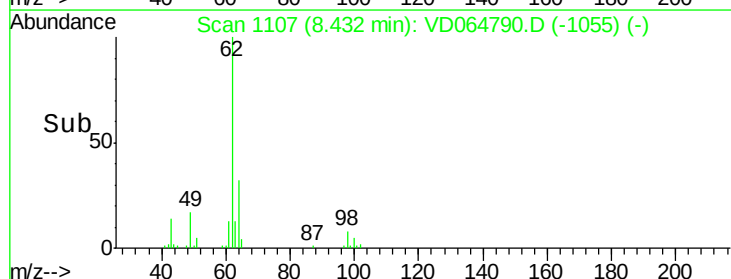
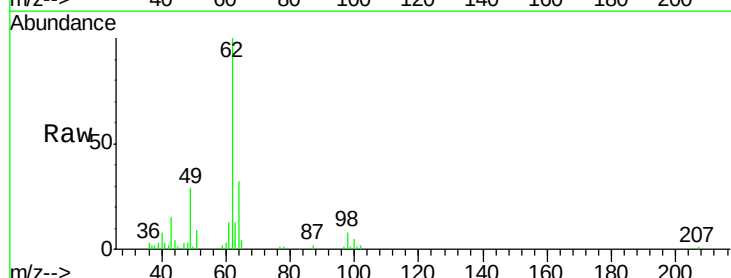
Manual Integrations
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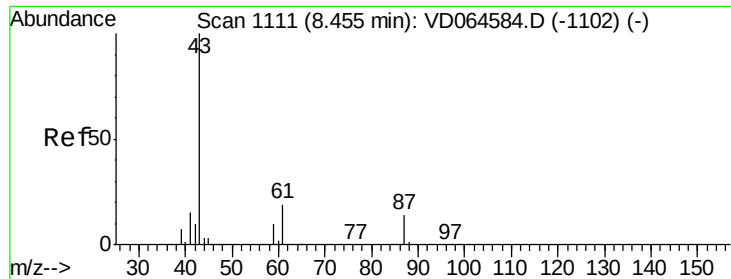
apatel
1/8/2020 9:26:33 AM



#42
1,2-Dichloroethane
Concen: 22.757 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	20.0





#43

Isopropyl Acetate

Concen: 20.885 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

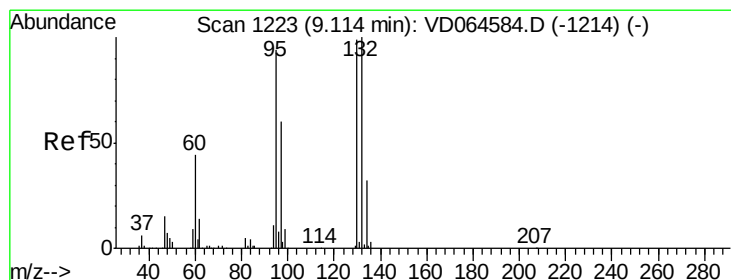
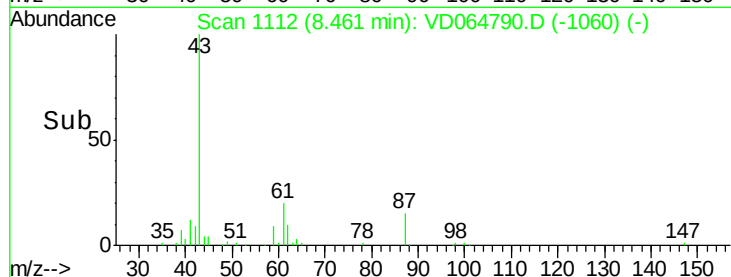
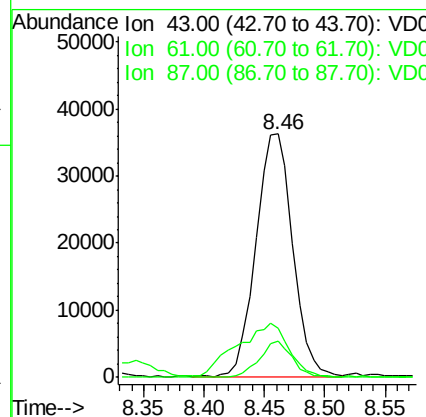
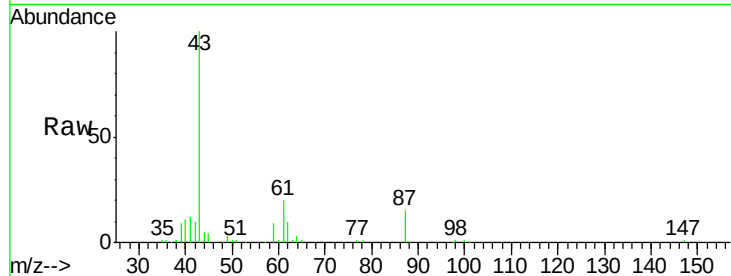
ClientSampleId :

VD0107SBS01

Tgt Ion:	43	Resp:	77057
Ion Ratio	Lower	Upper	
43	100		
61	31.4	23.7	35.5
87	13.1	10.5	15.7

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#44

Trichloroethene

Concen: 21.087 ug/l

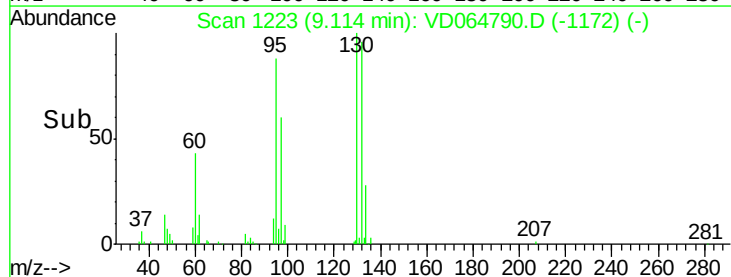
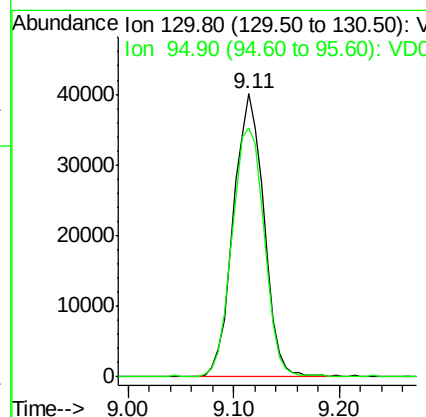
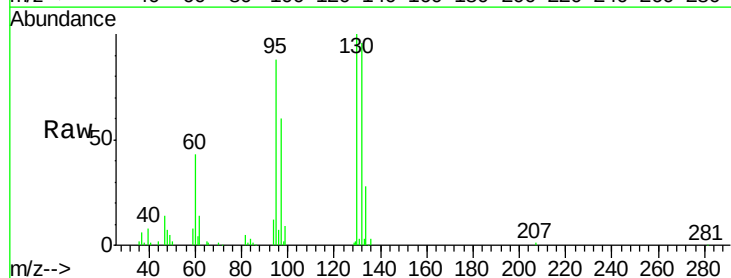
RT: 9.11 min Scan# 1223

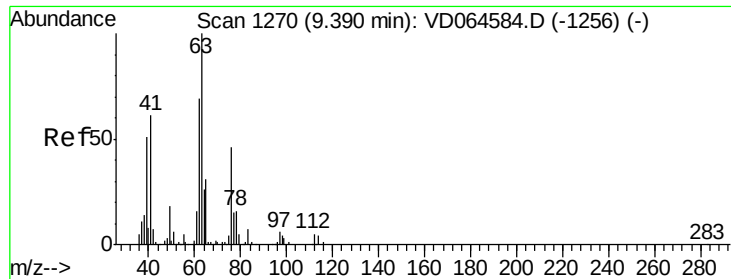
Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion:	130	Resp:	79795
Ion Ratio	Lower	Upper	
130	100		
95	87.9	0.0	190.2





#45

1,2-Dichloropropane

Concen: 22.337 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 63 Resp: 68699

Ion Ratio Lower Upper

63 100

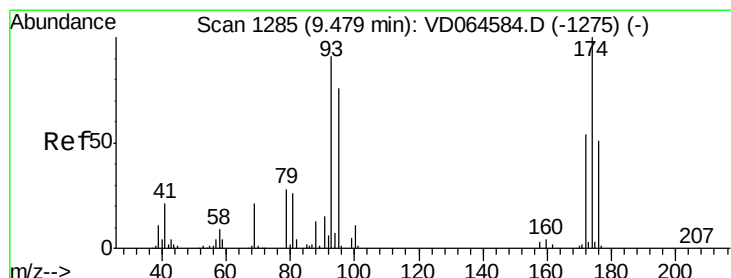
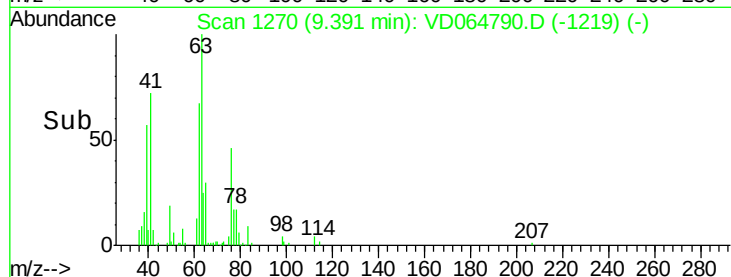
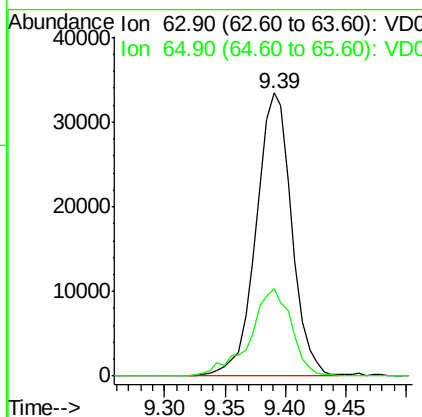
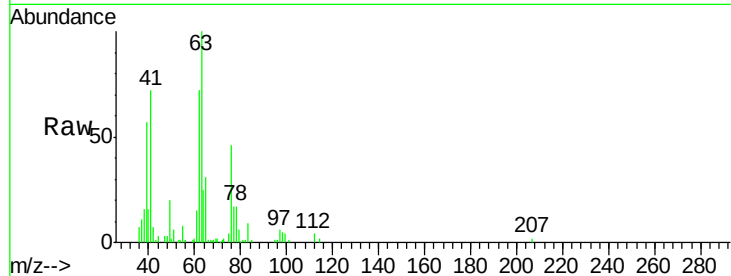
65 31.0 25.2 37.8

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#46

Dibromomethane

Concen: 21.068 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

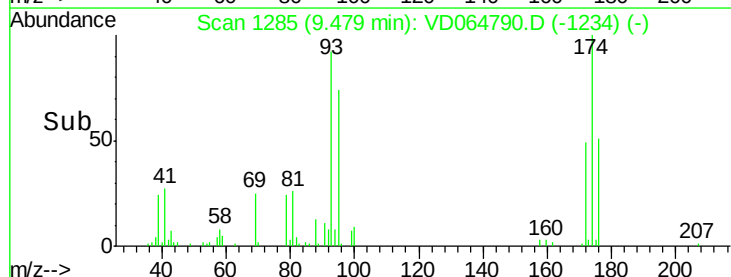
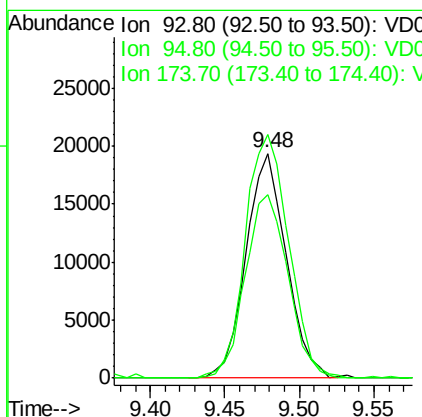
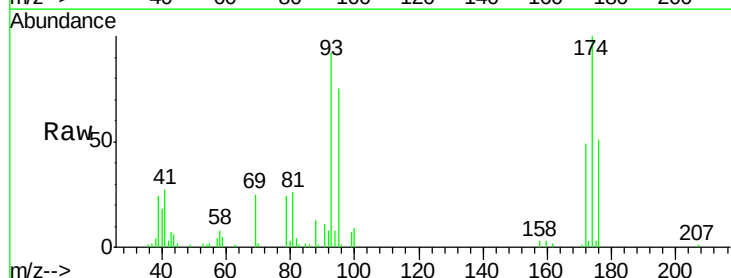
Tgt Ion: 93 Resp: 36126

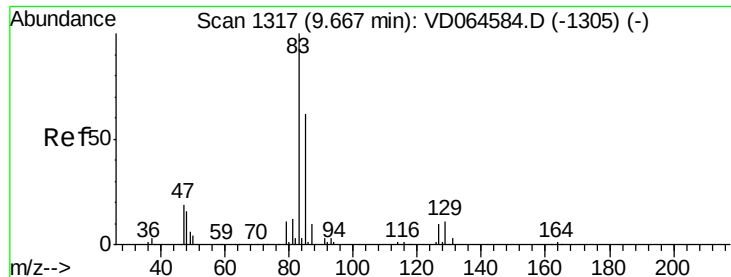
Ion Ratio Lower Upper

93 100

95 87.0 64.6 97.0

174 116.7 88.1 132.1





#47

Bromodichloromethane

Concen: 22.209 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

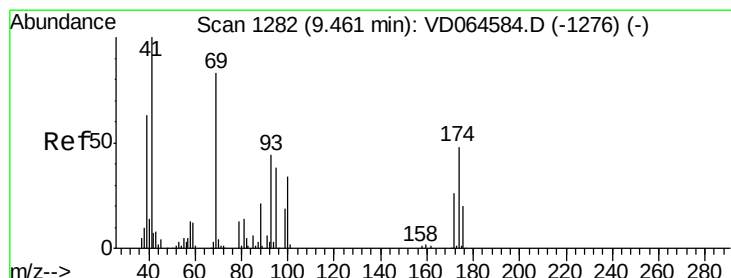
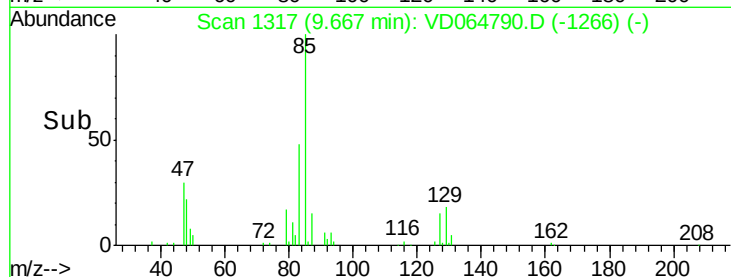
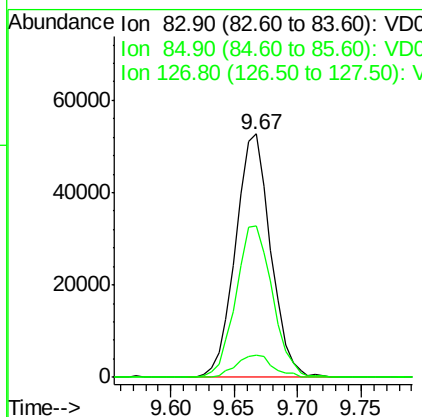
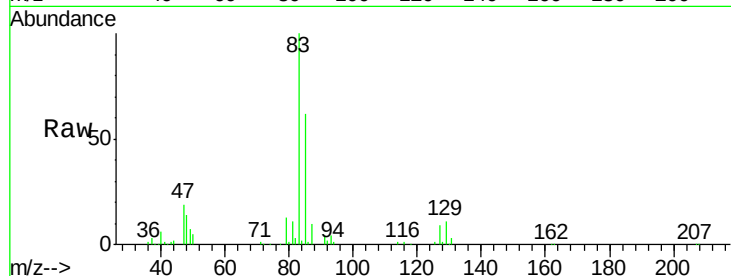
ClientSampleId :

VD0107SBS01

Tgt Ion:	83	Resp:	101339
Ion	Ratio	Lower	Upper
83	100		
85	62.0	49.5	74.3
127	9.1	7.8	11.6

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#48

Methyl methacrylate

Concen: 20.267 ug/l

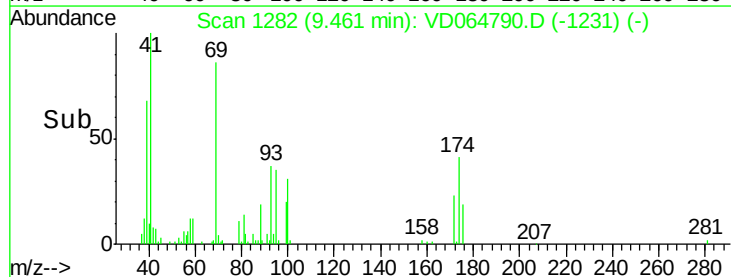
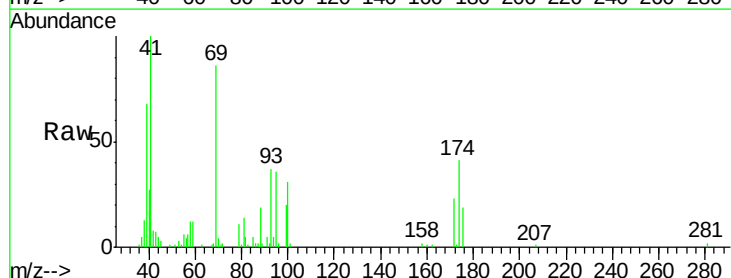
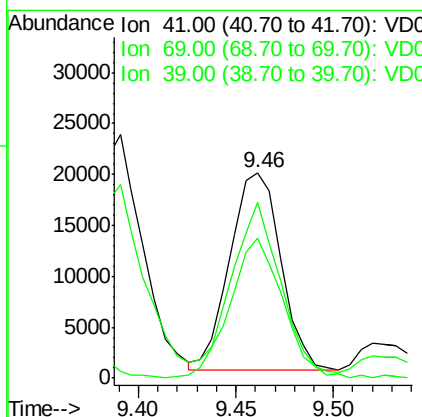
RT: 9.46 min Scan# 1282

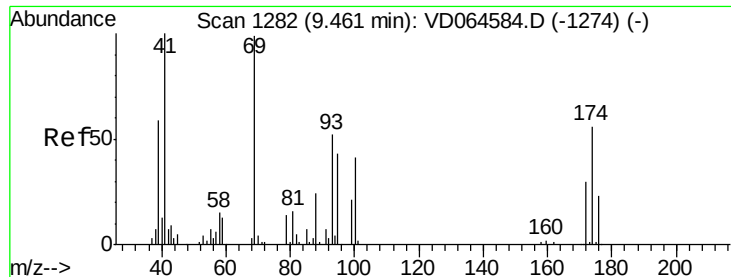
Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion:	41	Resp:	35209
Ion	Ratio	Lower	Upper
41	100		
69	87.0	63.0	94.6
39	72.5	47.4	71.2#





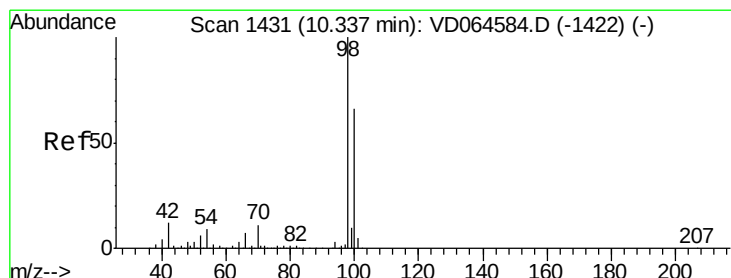
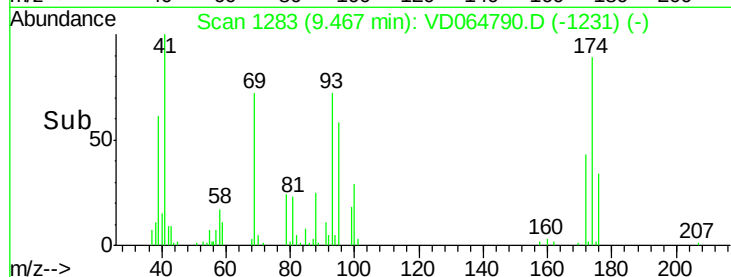
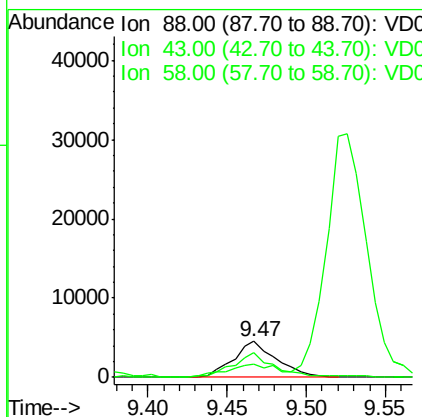
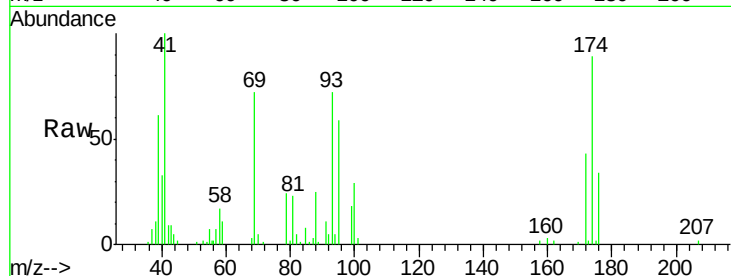
#49
1,4-Dioxane
Concen: 433.994 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	41.7	27.7	41.5#
58	65.3	53.8	80.6

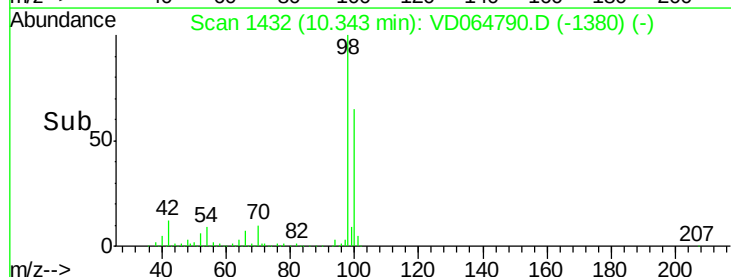
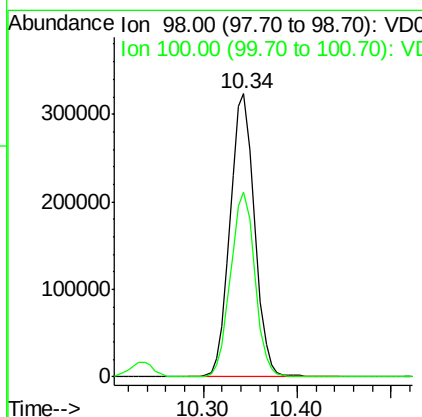
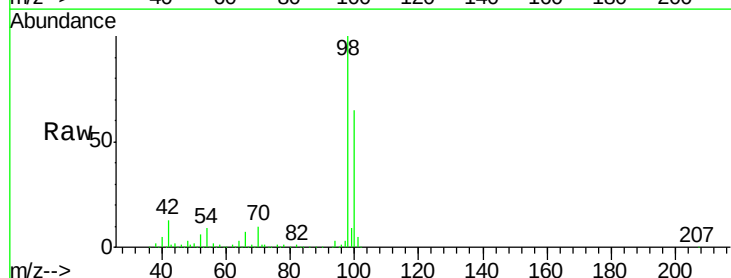
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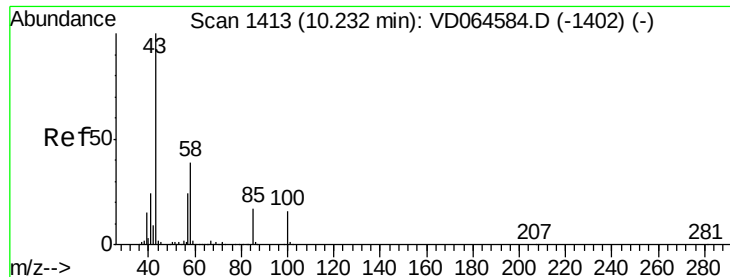
apatel
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#50
Toluene-d8
Concen: 50.891 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.7	77.5





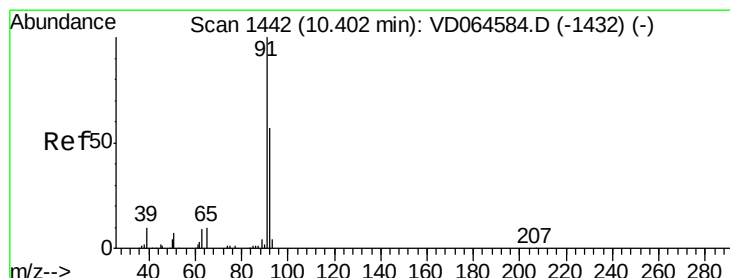
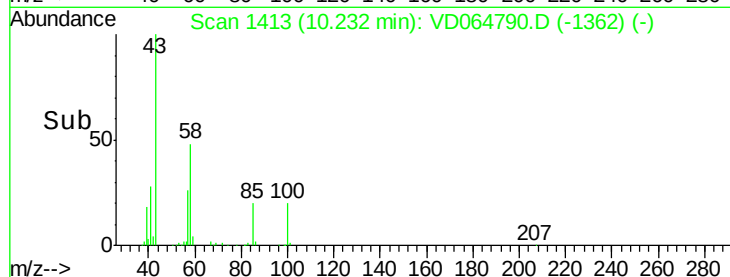
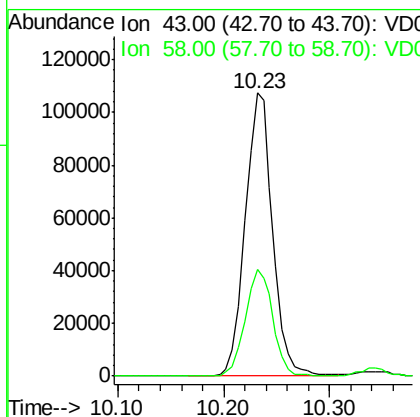
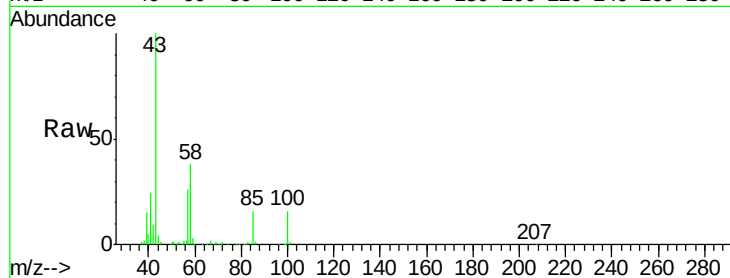
#51
4-Methyl-2-Pentanone
Concen: 105.933 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.0	30.2	45.2

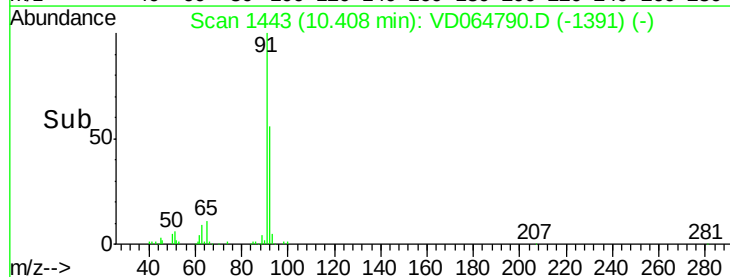
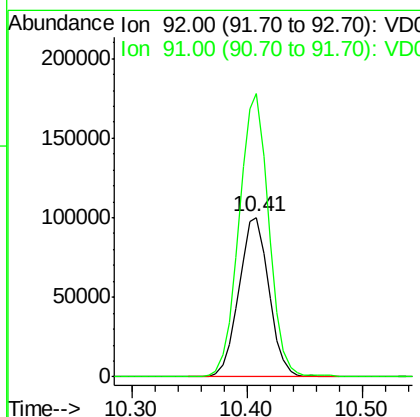
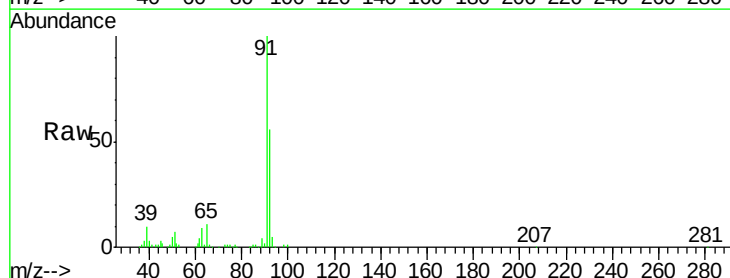
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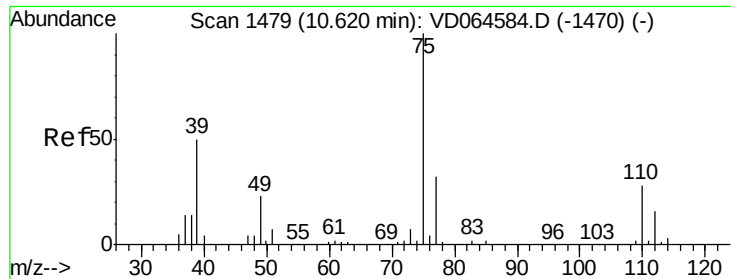
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#52
Toluene
Concen: 21.406 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.9	138.7	208.1





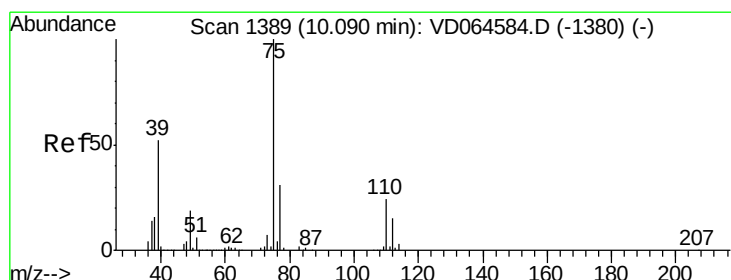
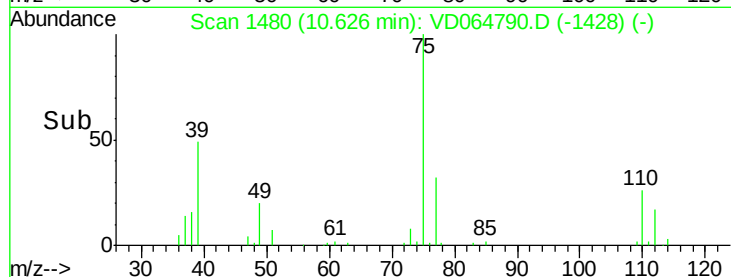
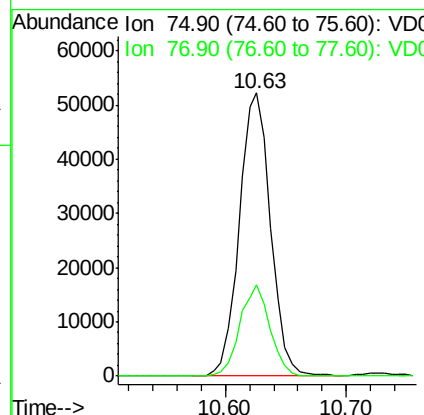
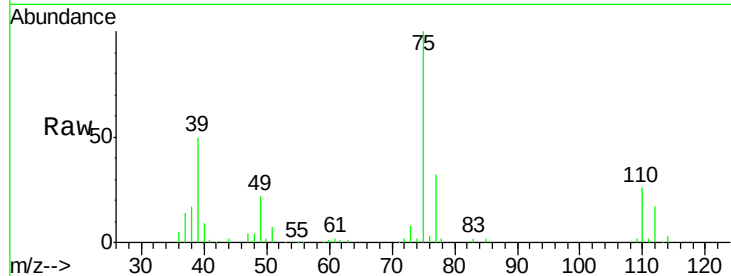
#53
t-1,3-Dichloropropene
Concen: 22.048 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion: 75 Resp: 93793
Ion Ratio Lower Upper
75 100
77 32.1 25.4 38.2

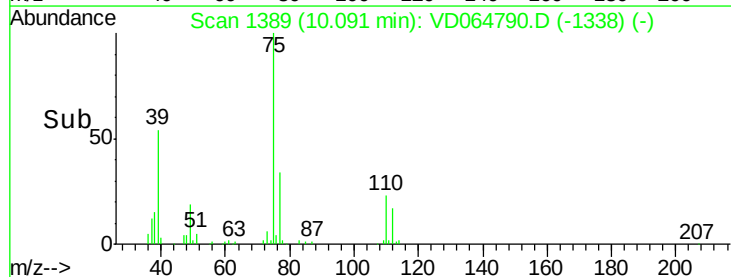
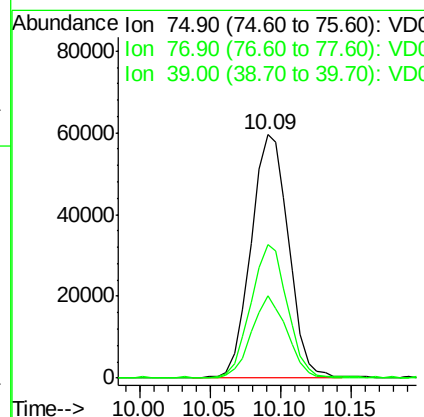
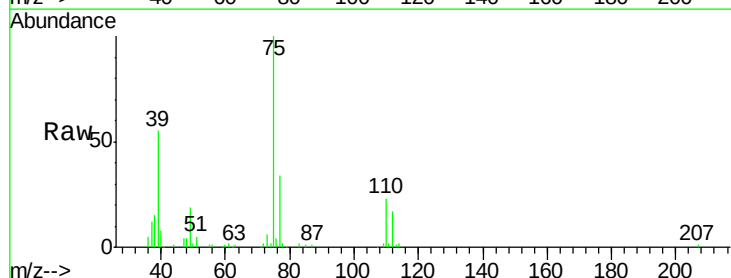
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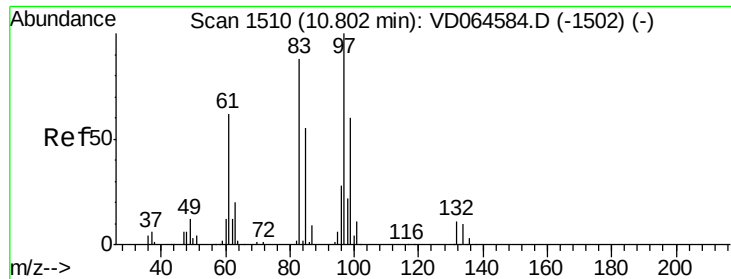
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#54
cis-1,3-Dichloropropene
Concen: 22.147 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 75 Resp: 111090
Ion Ratio Lower Upper
75 100
77 33.6 24.6 36.8
39 54.3 41.4 62.2





#55

1,1,2-Trichloroethane

Concen: 22.014 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 97 Resp: 50872

Ion Ratio Lower Upper

97 100

83 78.3 70.2 105.4

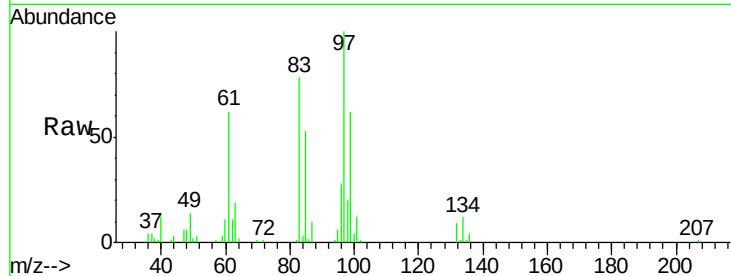
85 52.9 44.0 66.0

99 62.0 47.8 71.6

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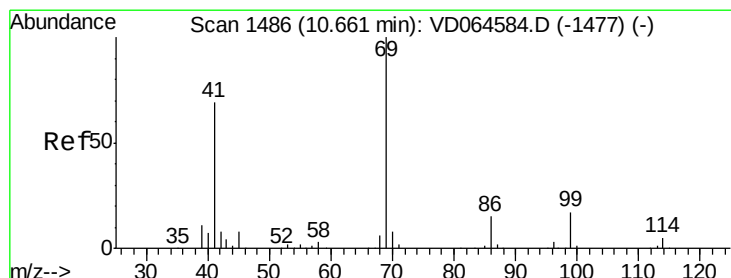
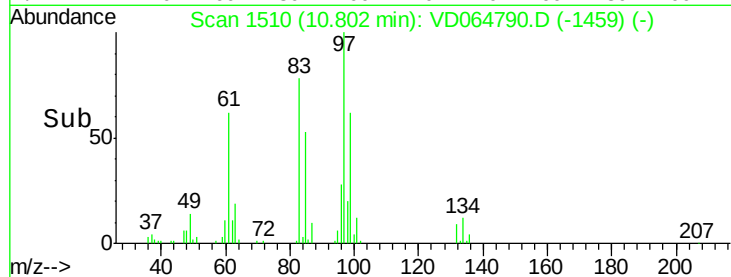
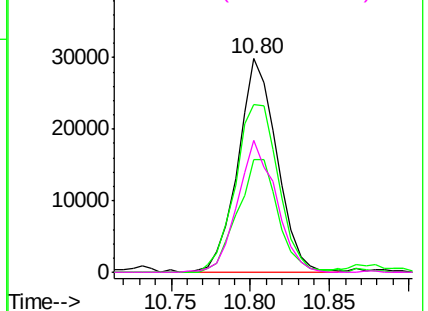


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 21.244 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion: 69 Resp: 61312

Ion Ratio Lower Upper

69 100

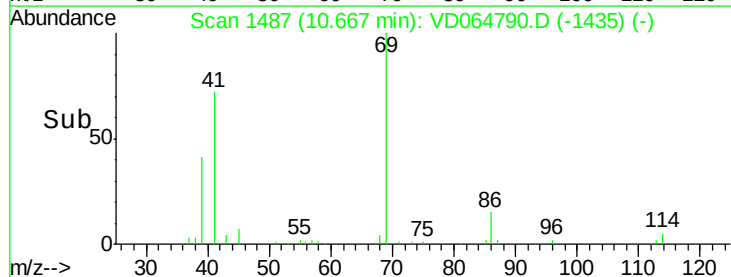
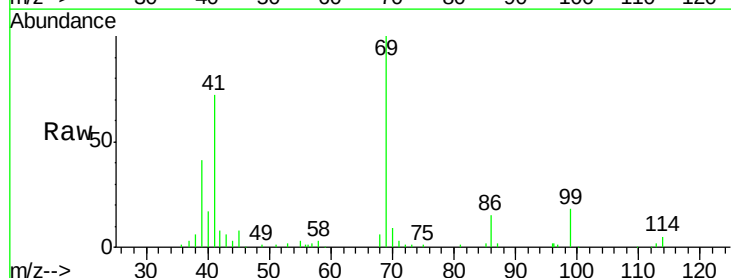
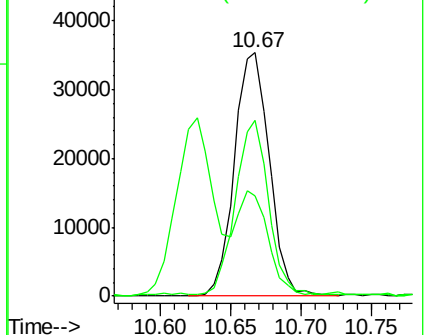
41 68.1 55.3 82.9

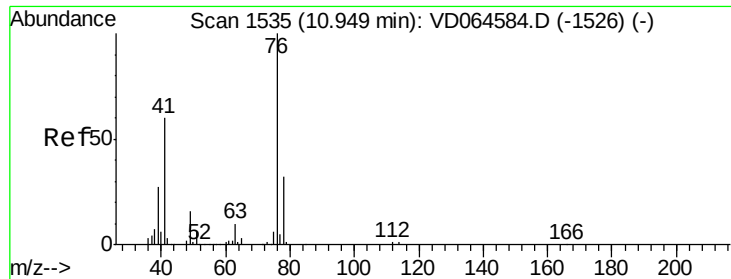
39 36.3 33.8 50.8

Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





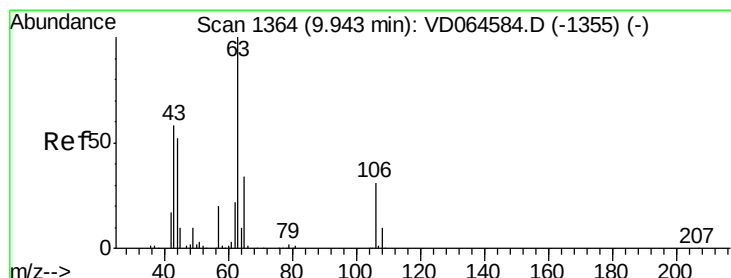
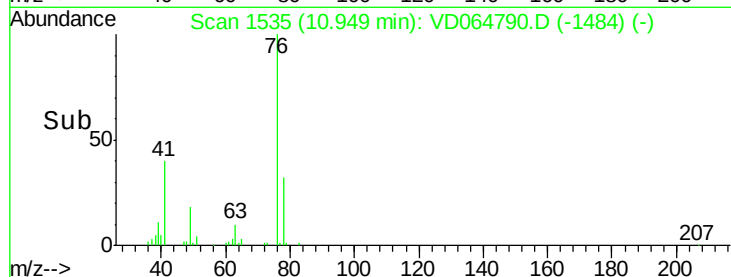
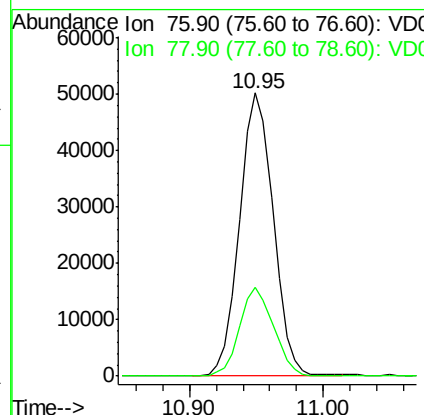
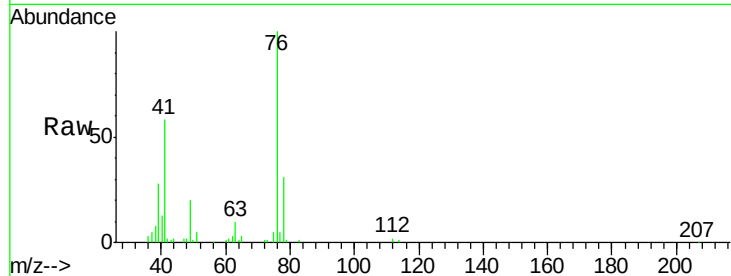
#57
 1,3-Dichloropropane
 Concen: 22.147 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion: 76 Resp: 88122
 Ion Ratio Lower Upper
 76 100
 78 31.5 26.2 39.4

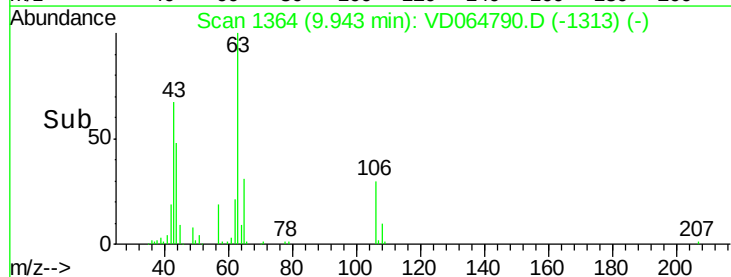
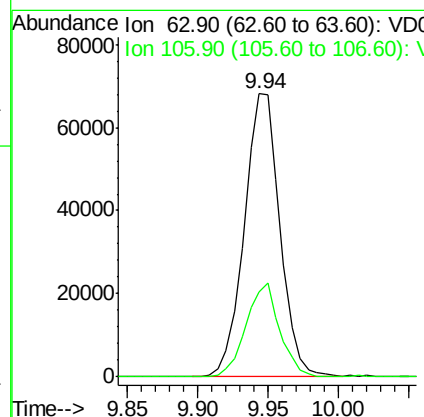
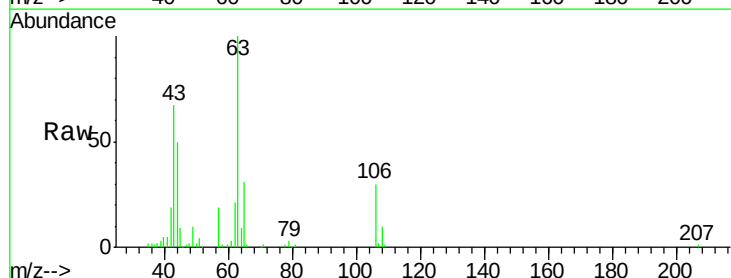
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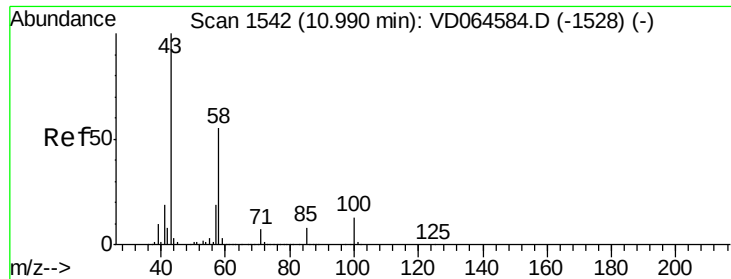
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#58
 2-Chloroethyl Vinyl ether
 Concen: 109.372 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 63 Resp: 120260
 Ion Ratio Lower Upper
 63 100
 106 31.2 23.8 35.8





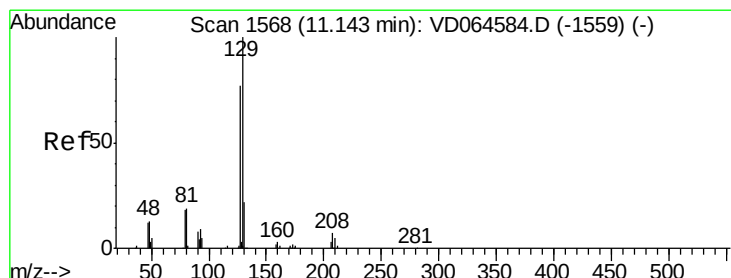
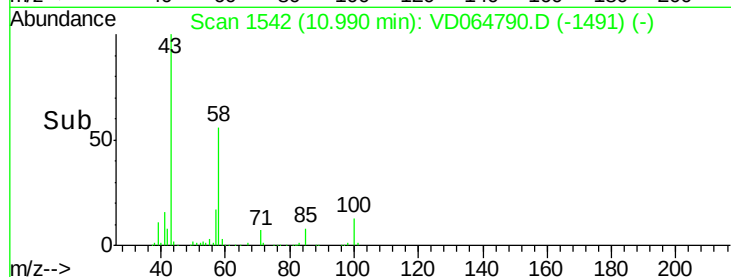
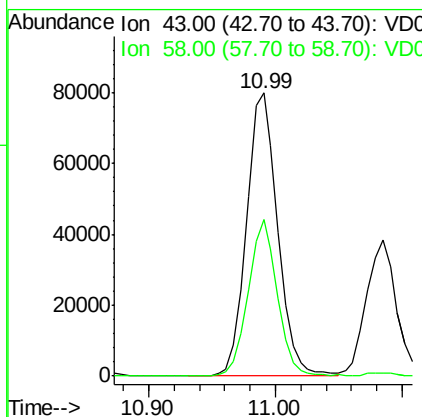
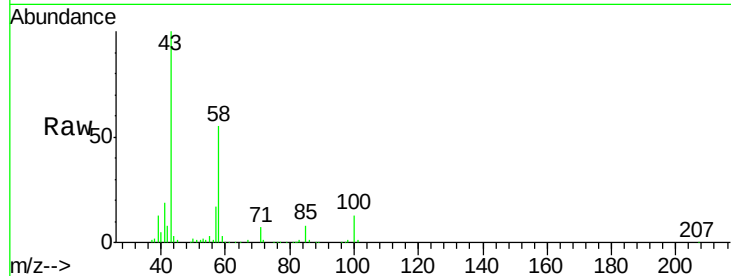
#59
2-Hexanone
Concen: 110.226 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion: 43 Resp: 136438
Ion Ratio Lower Upper
43 100
58 51.6 26.4 79.0

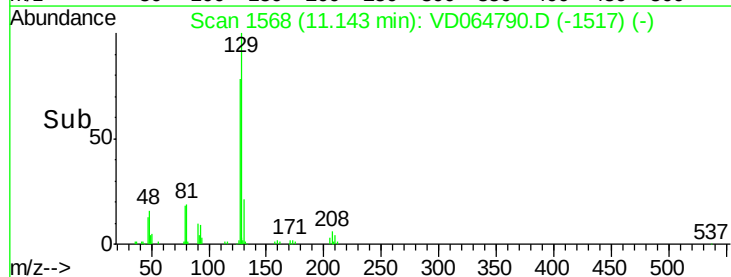
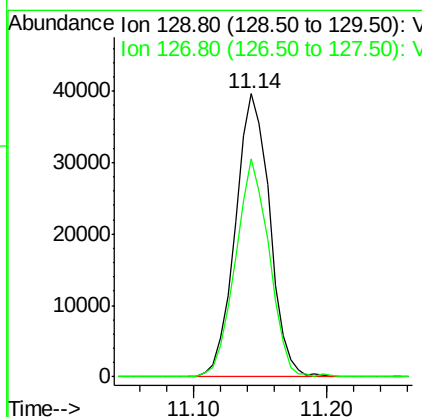
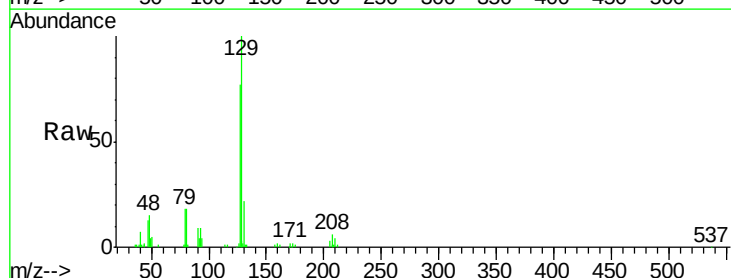
Manual Integrations
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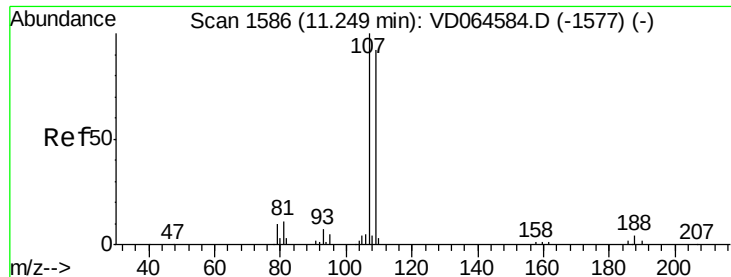
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#60
Dibromochloromethane
Concen: 22.020 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion: 129 Resp: 70368
Ion Ratio Lower Upper
129 100
127 75.7 38.4 115.2





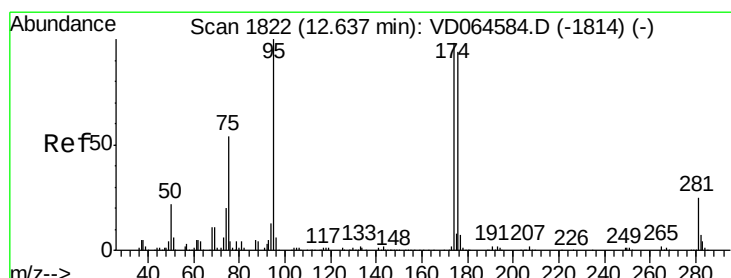
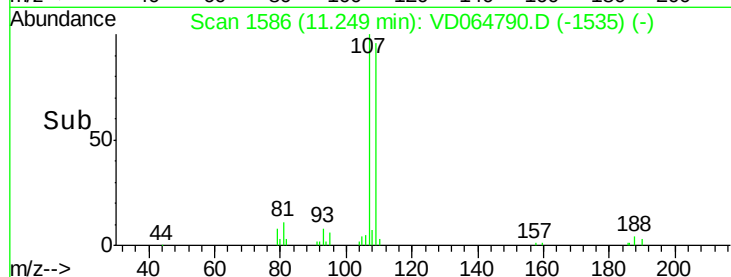
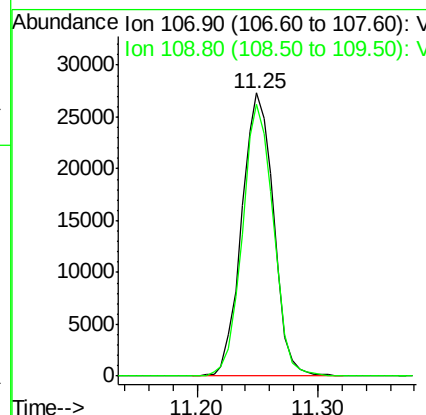
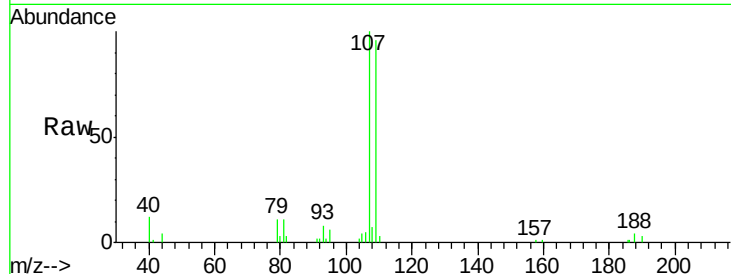
#61
 1,2-Dibromoethane
 Concen: 21.999 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion: 107 Resp: 50142
 Ion Ratio Lower Upper
 107 100
 109 93.8 75.6 113.4

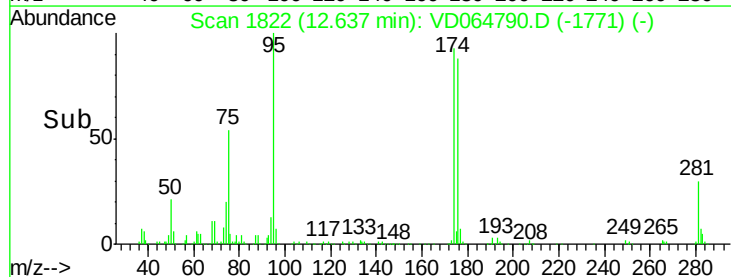
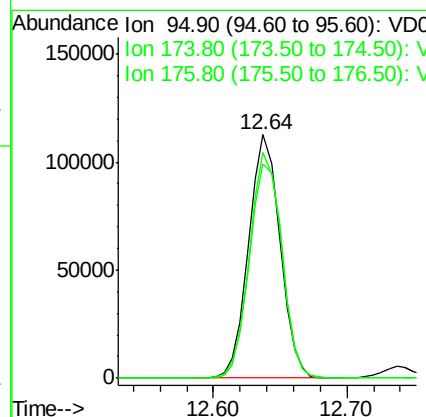
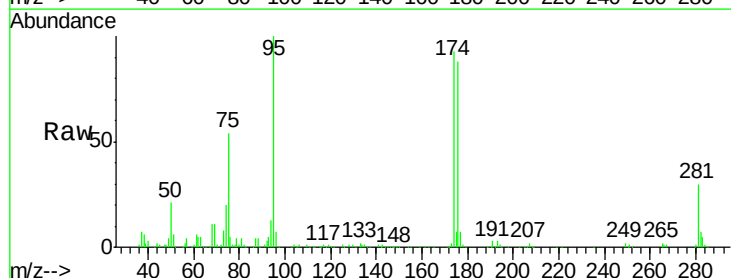
Manual Integrations
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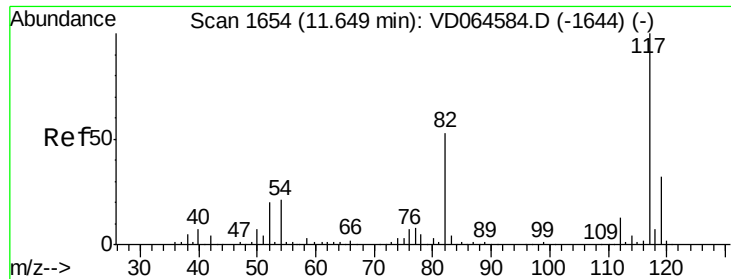
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.187 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 95 Resp: 182807
 Ion Ratio Lower Upper
 95 100
 174 94.8 0.0 193.2
 176 92.0 0.0 184.2





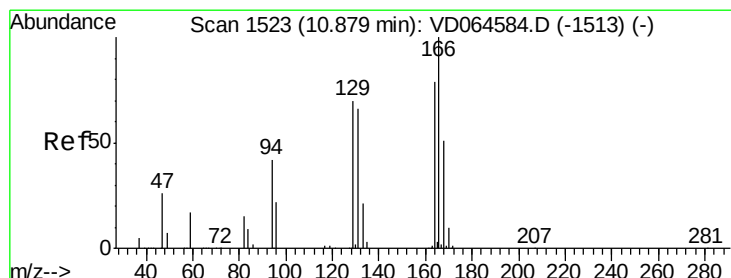
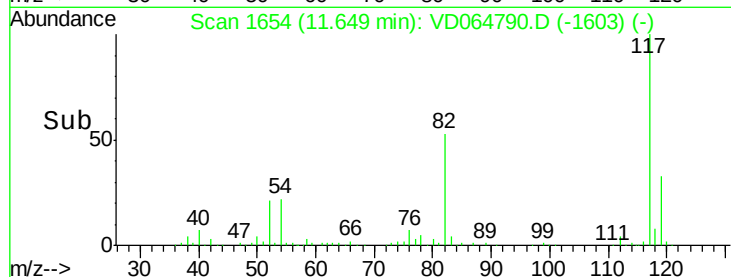
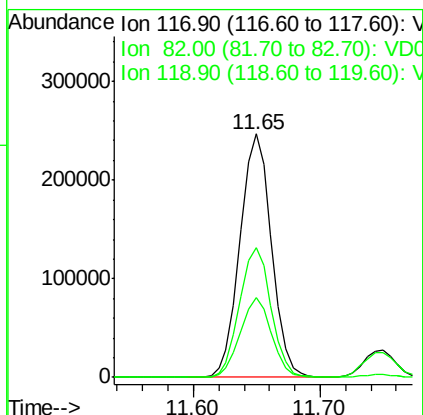
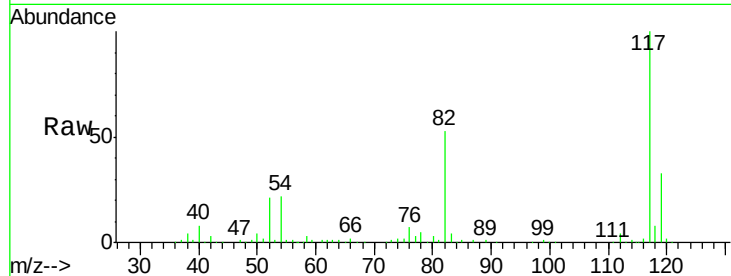
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	426831		
82	53.1	42.2	63.4	
119	33.0	26.0	39.0	

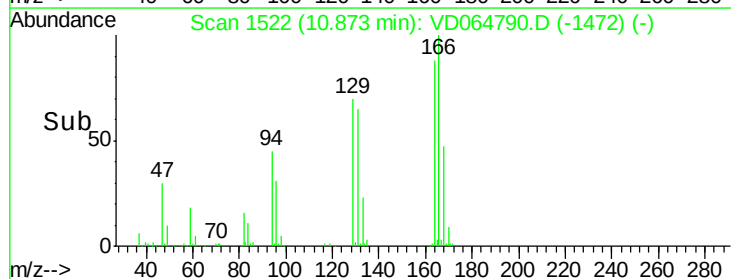
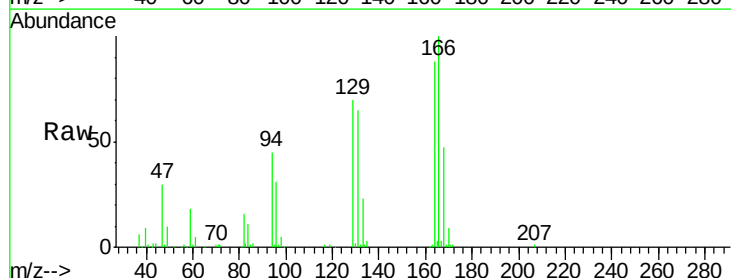
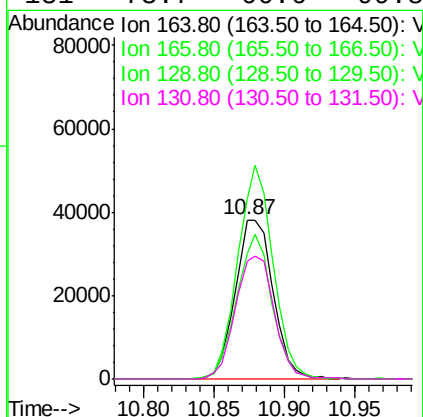
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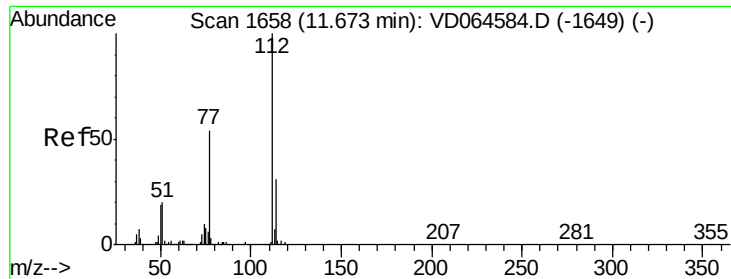
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#64
Tetrachloroethene
Concen: 21.802 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71391		
166	113.5	101.3	151.9	
129	79.2	70.5	105.7	
131	73.7	66.6	99.8	





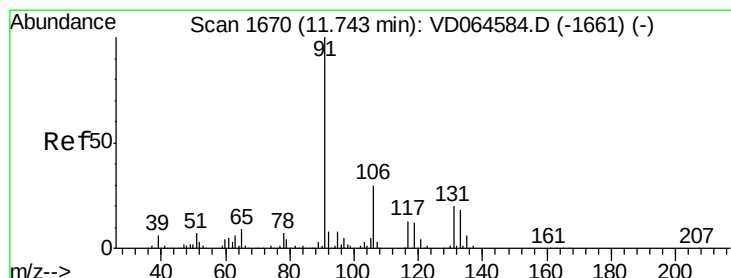
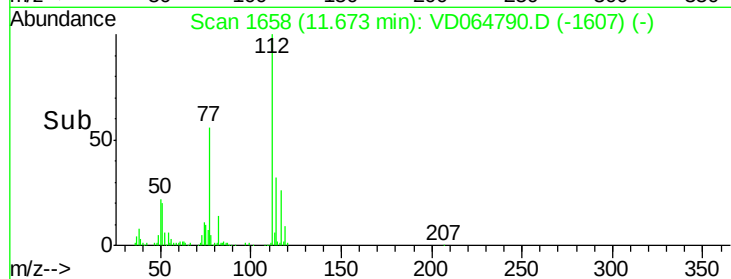
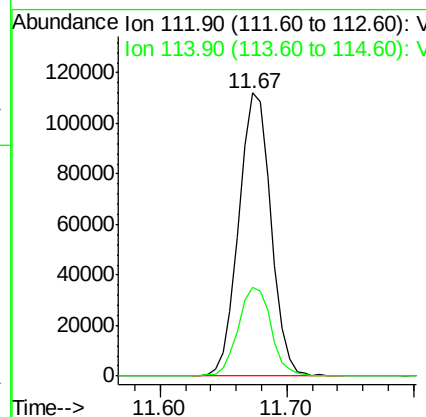
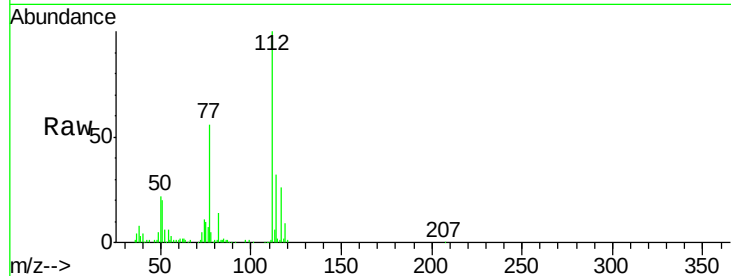
#65
Chlorobenzene
Concen: 22.188 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	196561		
114	31.6	24.8	37.2	

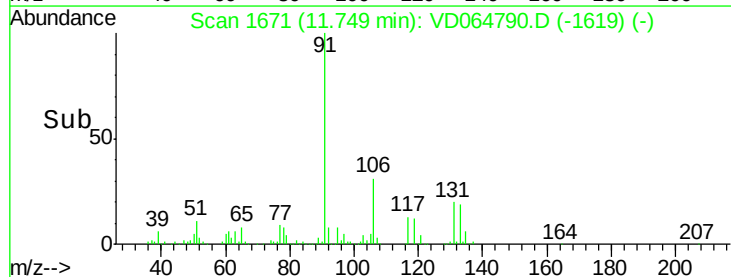
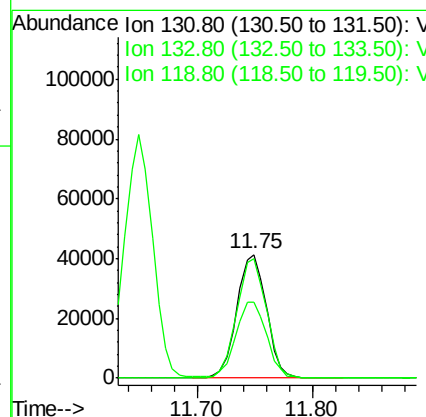
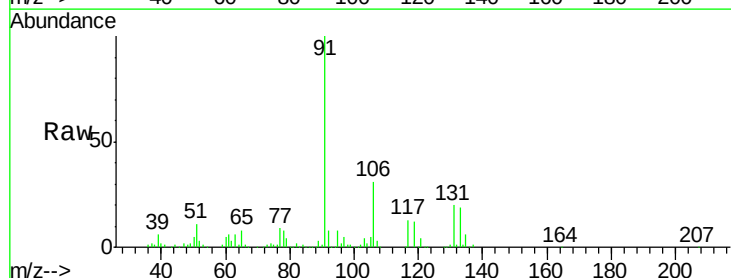
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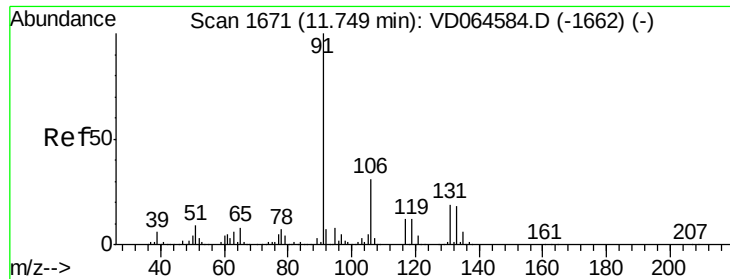
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.945 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	73289		
133	97.3	48.3	144.8	
119	64.3	32.1	96.3	





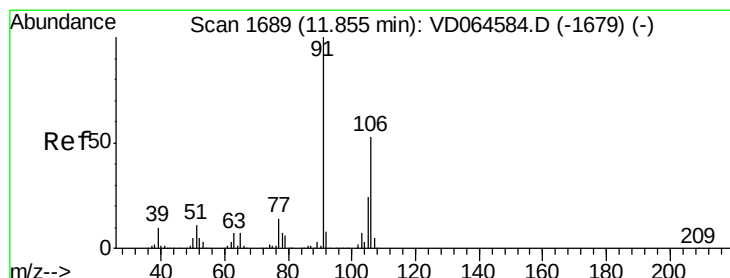
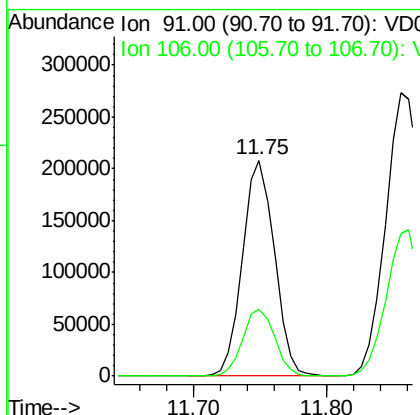
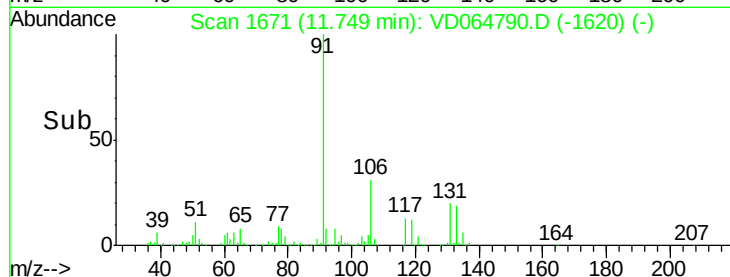
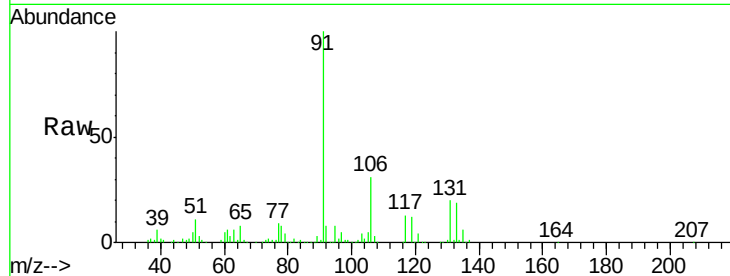
#67
Ethyl Benzene
 Concen: 21.450 ug/l
 RT: 11.75 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion: 91 Resp: 344905
 Ion Ratio Lower Upper
 91 100
 106 30.8 24.6 36.8

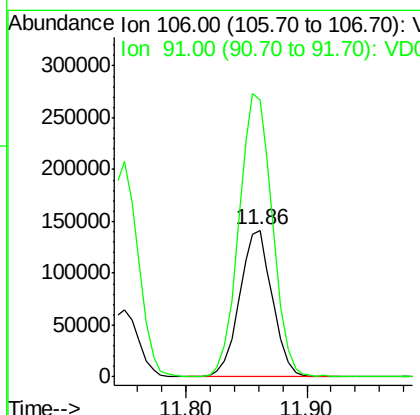
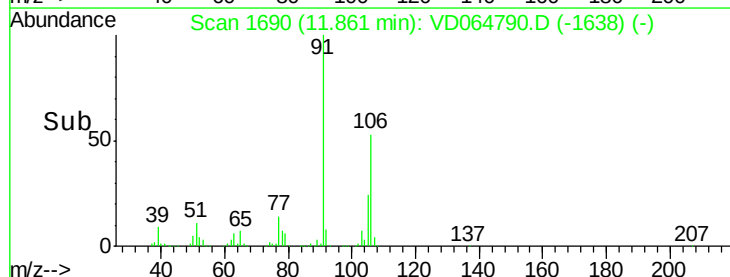
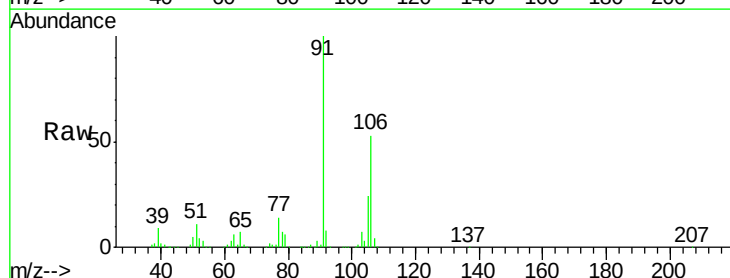
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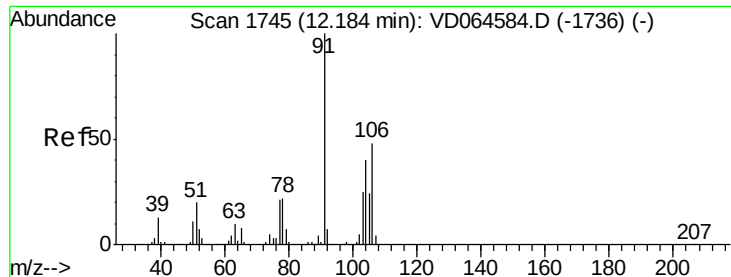
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#68
m/p-Xylenes
 Concen: 42.735 ug/l
 RT: 11.86 min Scan# 1690
 Delta R.T. 0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 106 Resp: 265224
 Ion Ratio Lower Upper
 106 100
 91 198.0 156.3 234.5





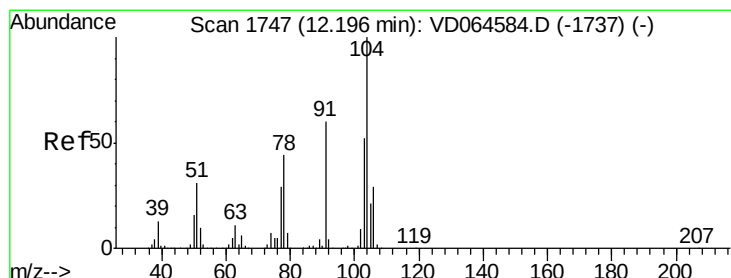
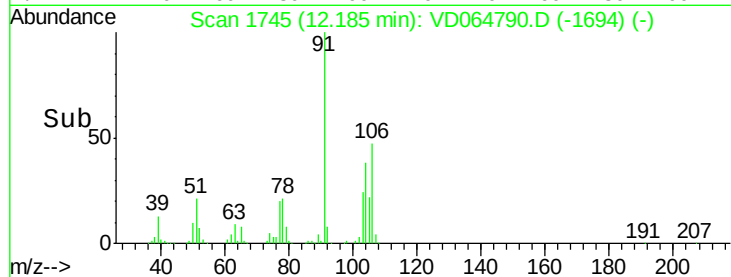
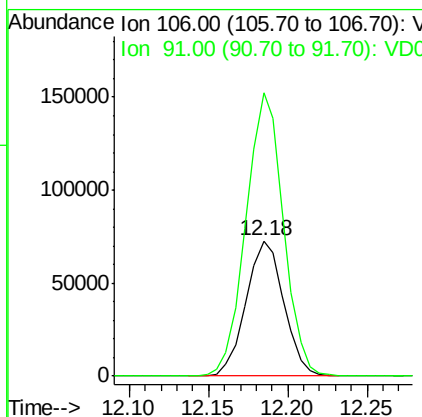
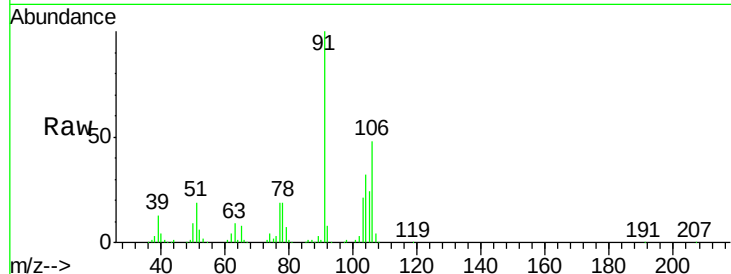
#69
o-Xylene
Concen: 21.471 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion:106 Resp: 120361
Ion Ratio Lower Upper
106 100
91 208.2 104.8 314.4

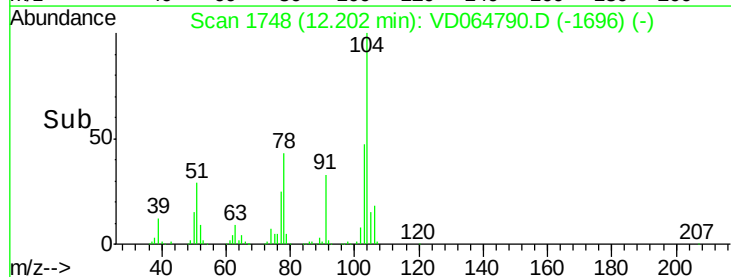
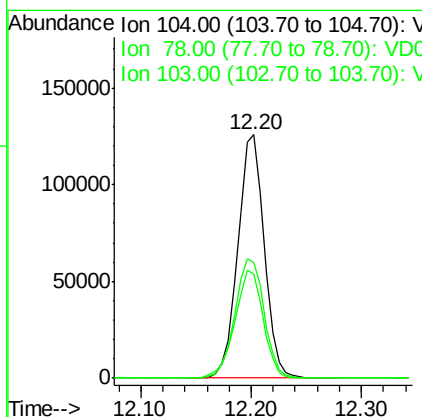
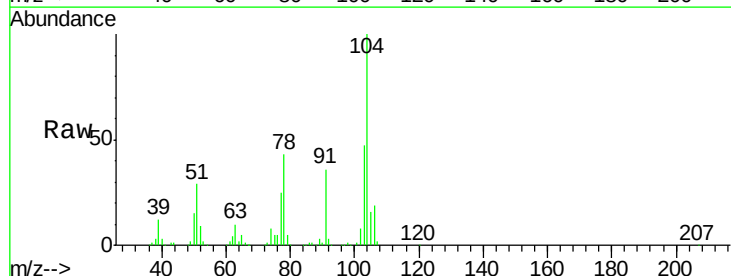
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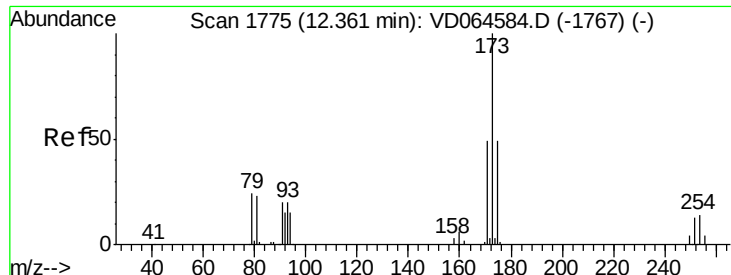
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#70
Styrene
Concen: 21.502 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion:104 Resp: 211575
Ion Ratio Lower Upper
104 100
78 47.5 38.2 57.2
103 54.3 44.6 67.0





#71

Bromoform

Concen: 22.119 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

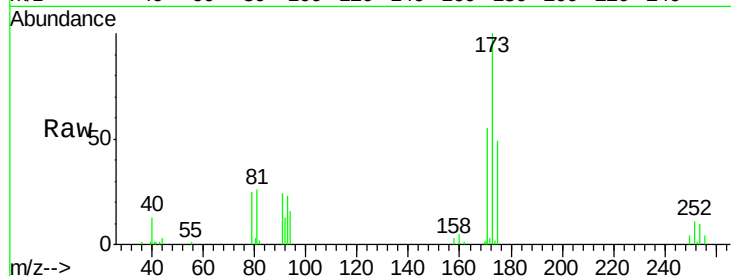
ClientSampleId :

VD0107SBS01

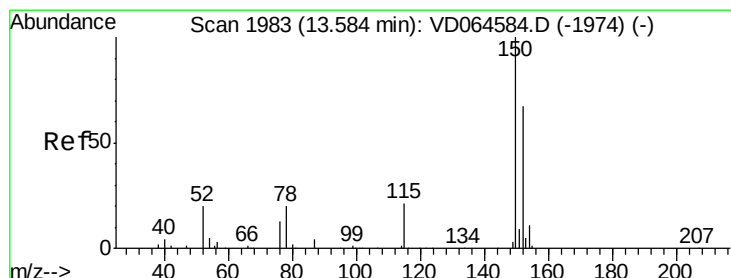
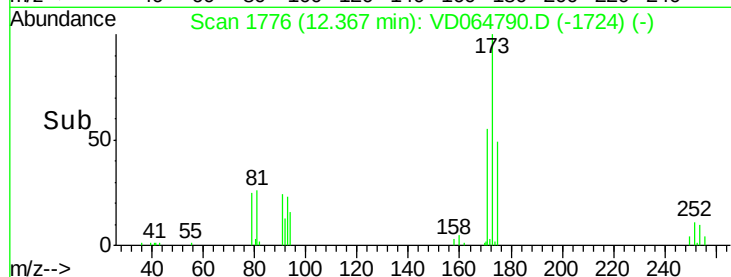
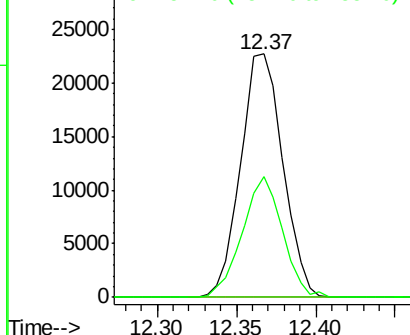
Tgt Ion	Ratio	Lower	Upper
173	100		
175	47.2	24.6	73.8
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

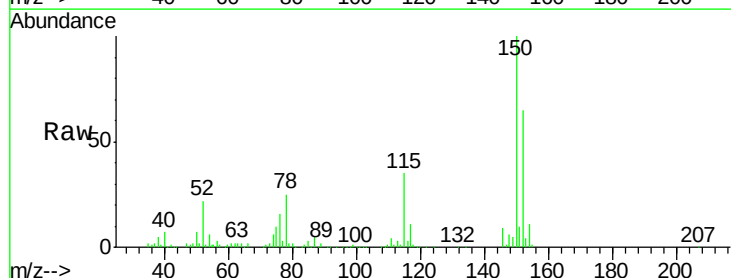
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

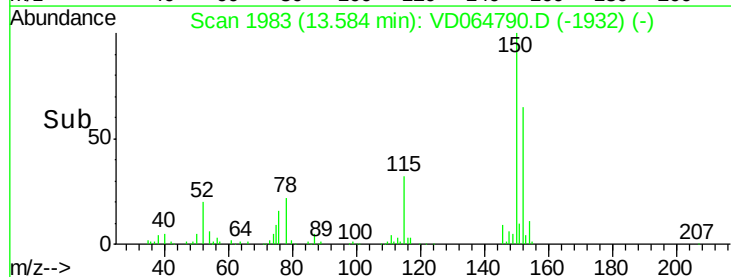
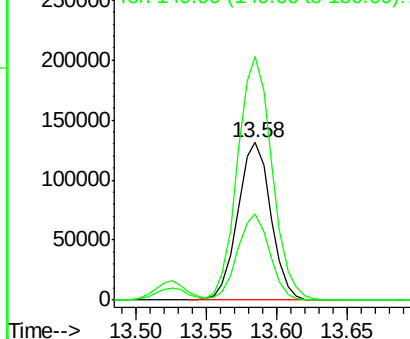
Lab File: VD064790.D

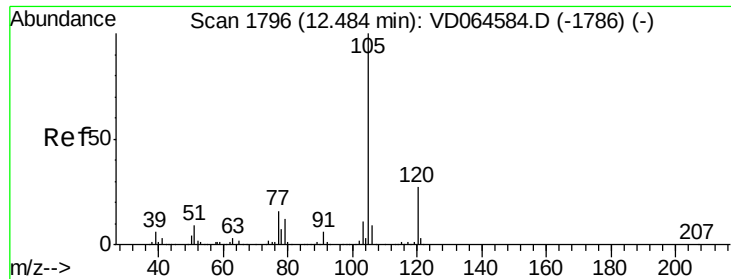
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	27.8	83.4
150	161.3	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: 21.178 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion: 105 Resp: 325570

Ion Ratio Lower Upper

105 100

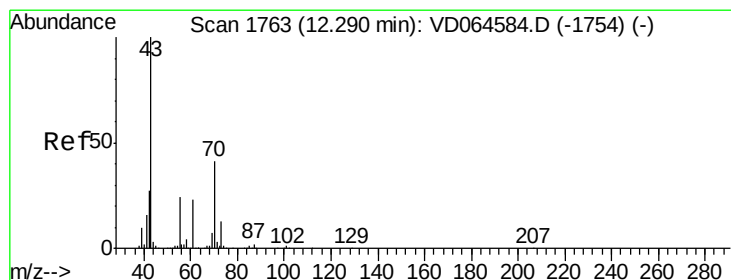
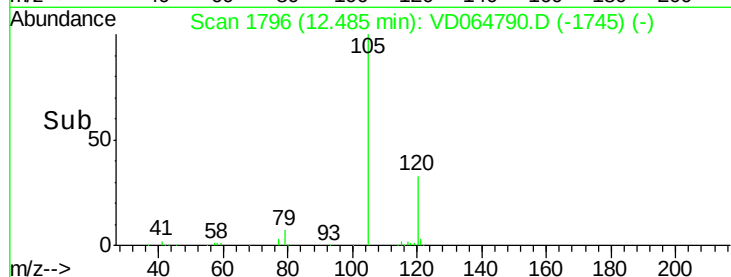
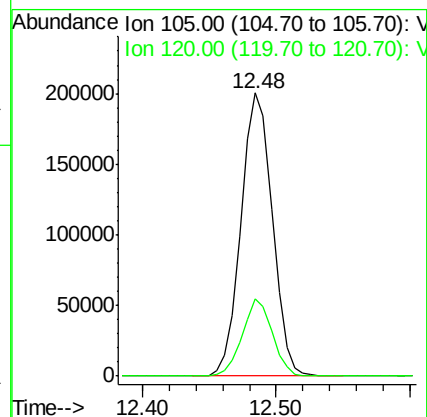
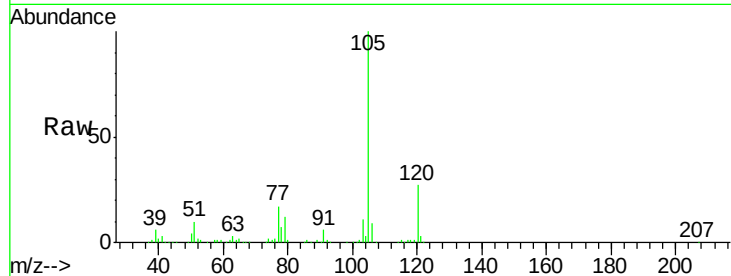
120 26.0 13.5 40.5

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#74

N-ethyl acetate

Concen: 21.445 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion: 43 Resp: 70473

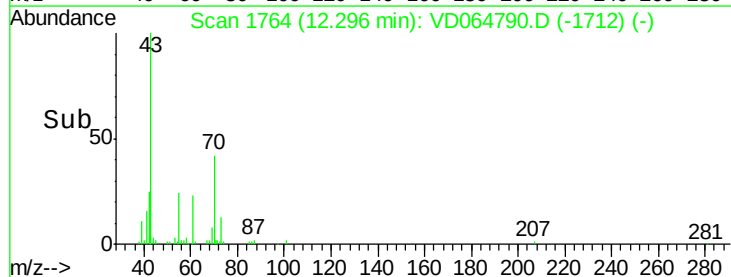
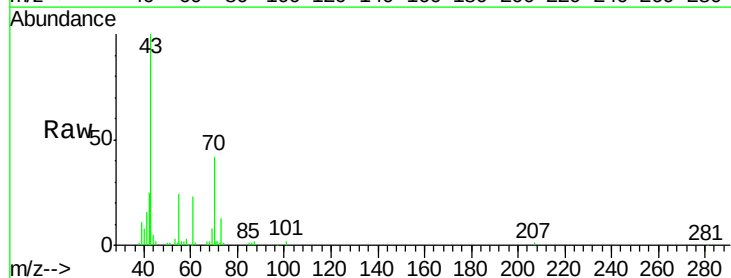
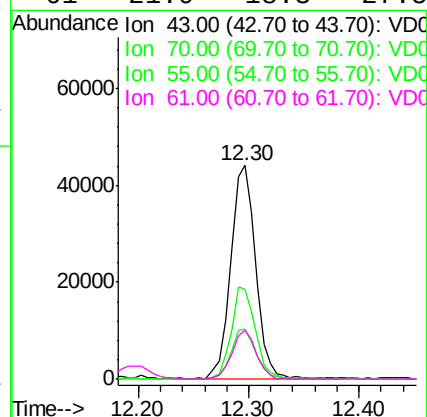
Ion Ratio Lower Upper

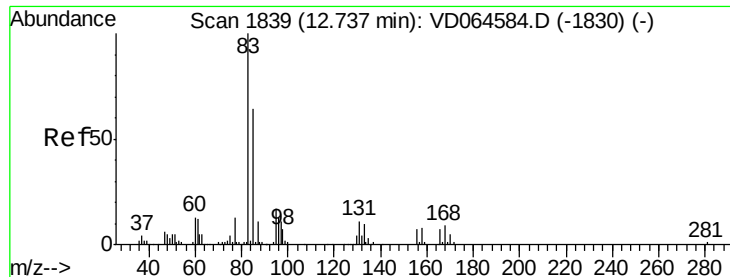
43 100

70 40.8 33.4 50.0

55 23.5 19.4 29.0

61 21.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 21.115 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

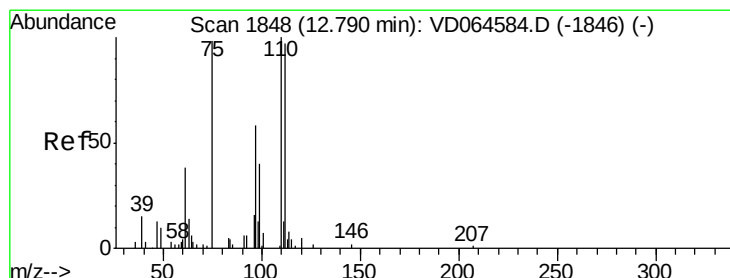
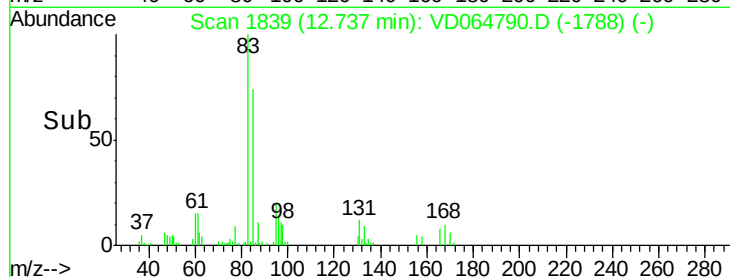
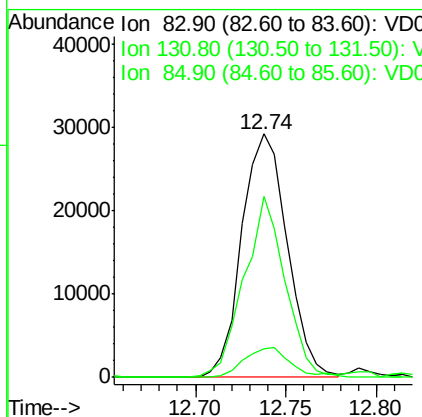
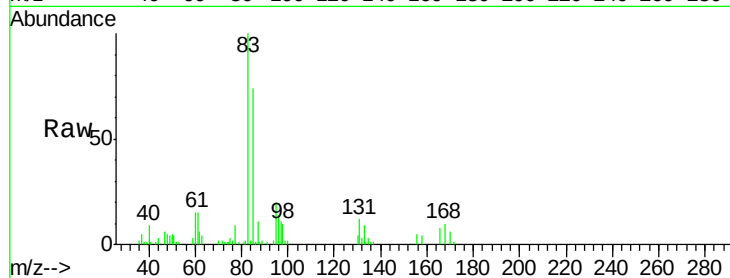
ClientSampleId :

VD0107SBS01

Tgt Ion:	83	Resp:	50993
Ion	Ratio	Lower	Upper
83	100		
131	12.5	5.8	17.4
85	67.2	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 20.308 ug/l m

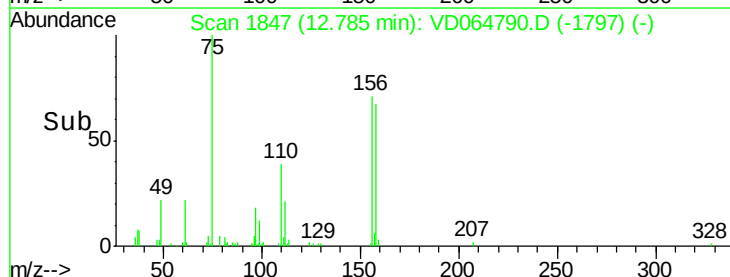
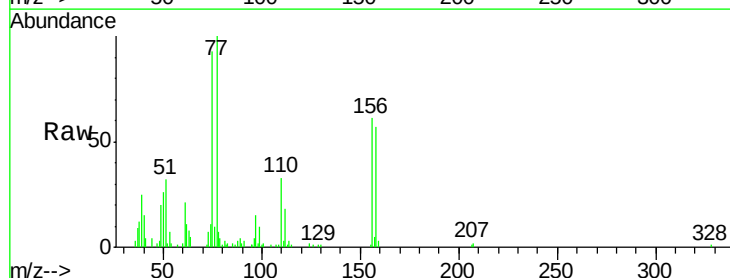
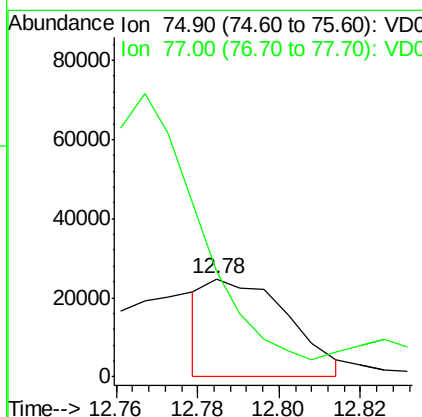
RT: 12.78 min Scan# 1847

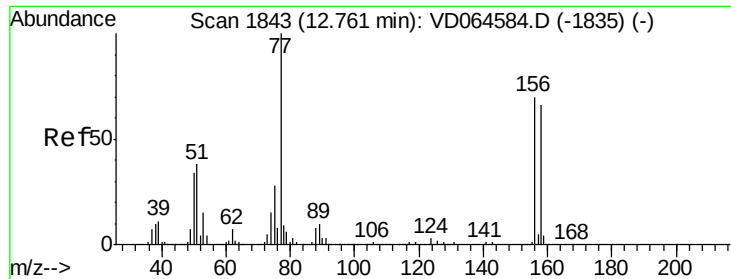
Delta R.T. -0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion:	75	Resp:	34499
Ion	Ratio	Lower	Upper
75	100		
77	390.7	0.0	0.0#





#77

Bromobenzene

Concen: 21.951 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

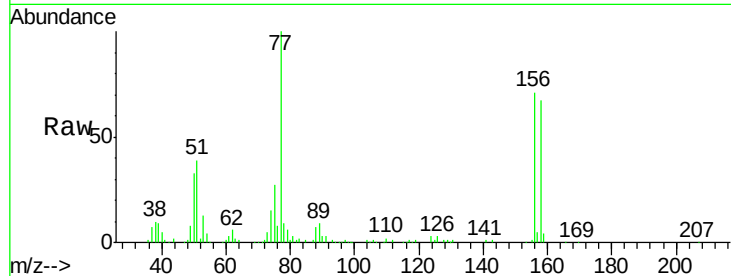
ClientSampleId :

VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	162.5	80.9	242.7
158	93.2	48.0	144.2

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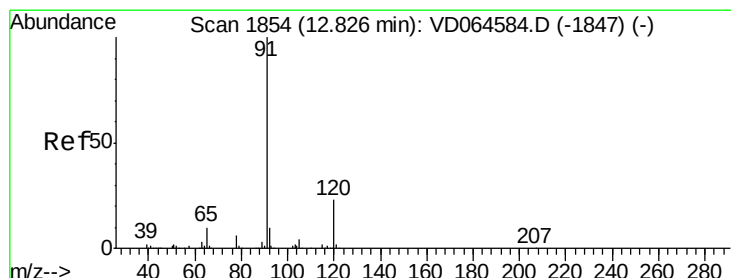
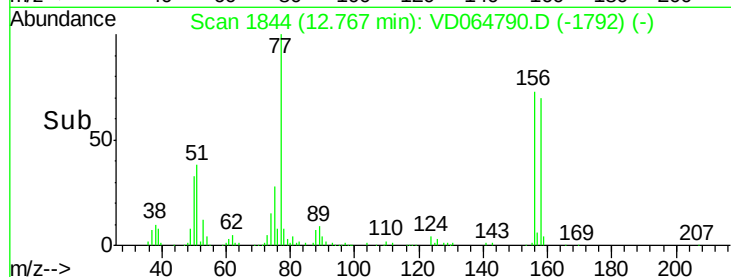
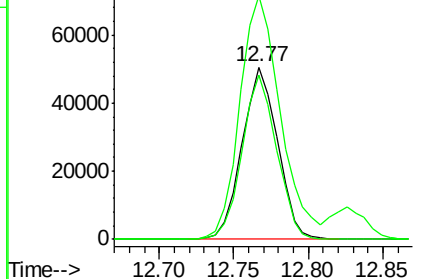
apatel
1/8/2020 9:26:33 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.567 ug/l

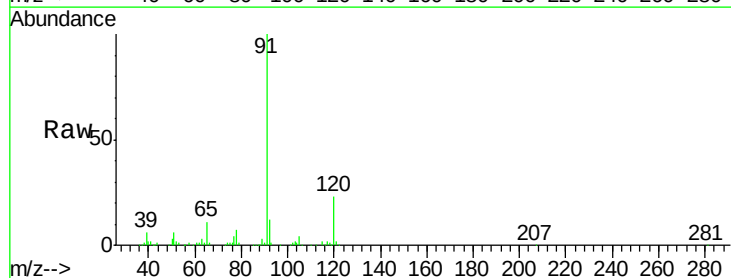
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064790.D

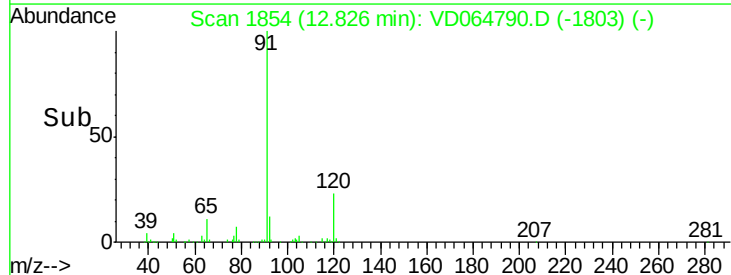
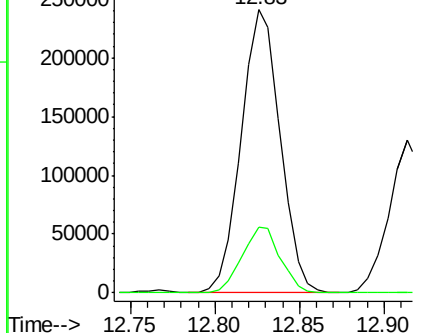
Acq: 07 Jan 2020 13:47

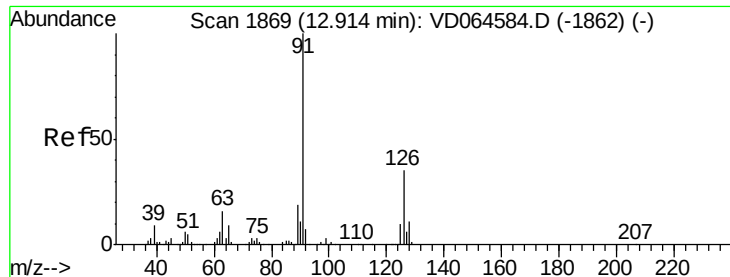
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





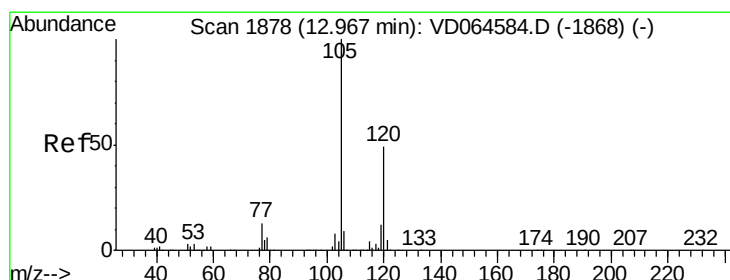
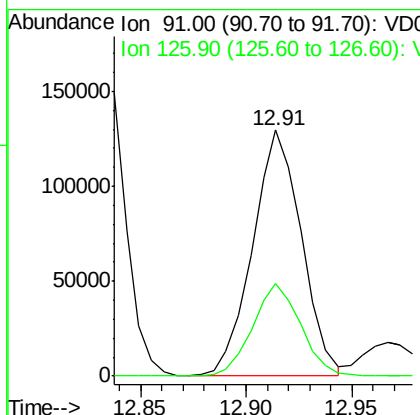
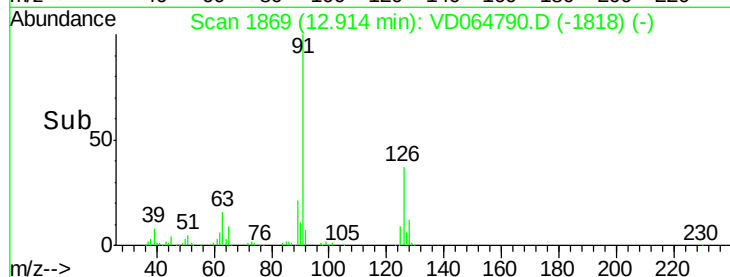
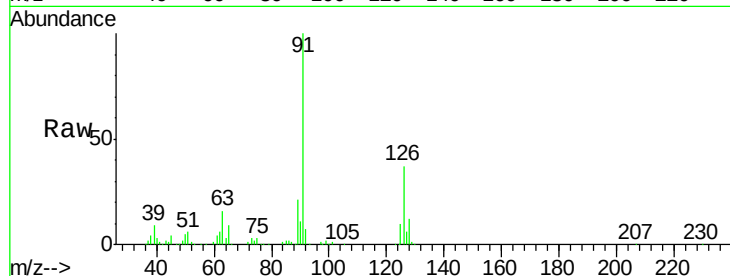
#79
 2-Chlorotoluene
 Concen: 21.113 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion: 91 Resp: 208016
 Ion Ratio Lower Upper
 91 100
 126 37.0 17.8 53.5

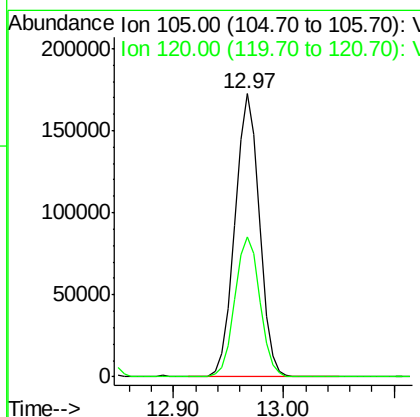
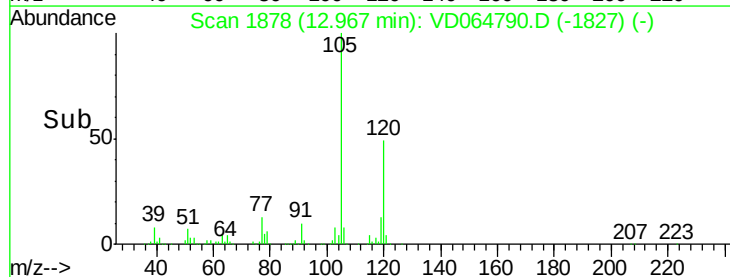
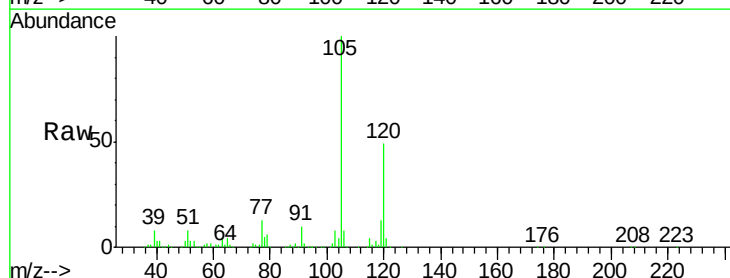
Manual Integrations
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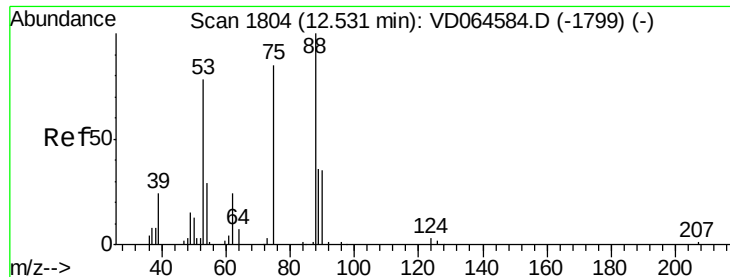
apatel
 1/8/2020 9:26:33 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 21.366 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion: 105 Resp: 269816
 Ion Ratio Lower Upper
 105 100
 120 50.5 25.0 75.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.572 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

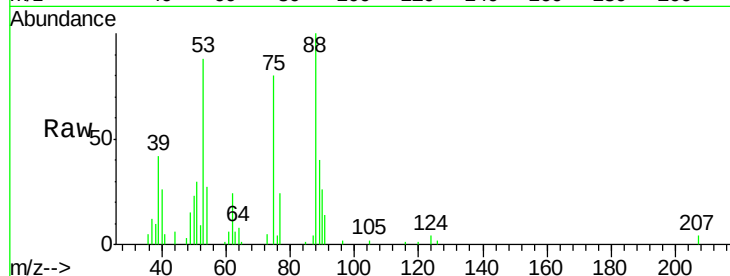
ClientSampleId :

VD0107SBS01

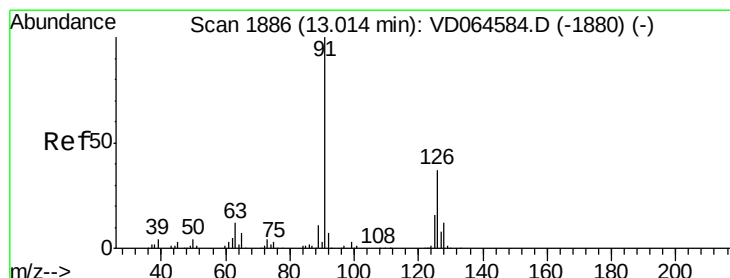
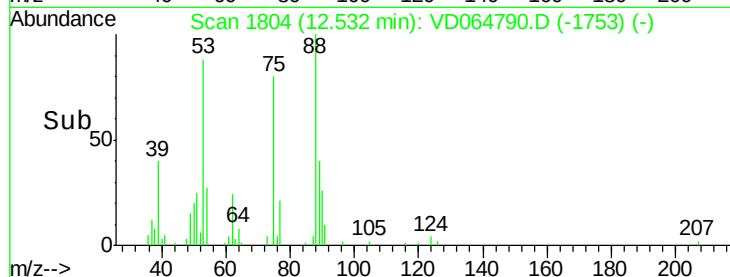
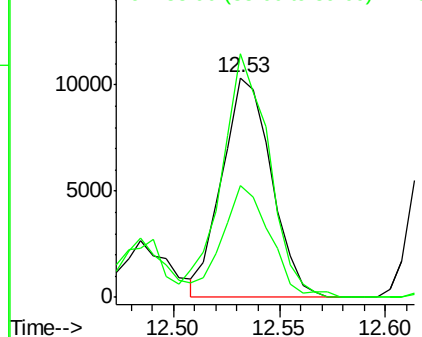
Tgt Ion:	75	Resp:	16709
Ion	Ratio	Lower	Upper
75	100		
53	107.4	78.8	118.2
89	49.0	38.3	57.5

Manual Integrations
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Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 21.078 ug/l

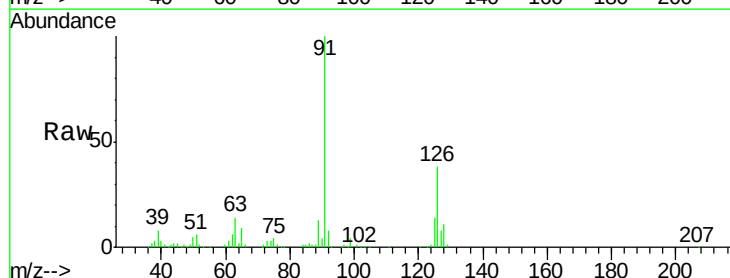
RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

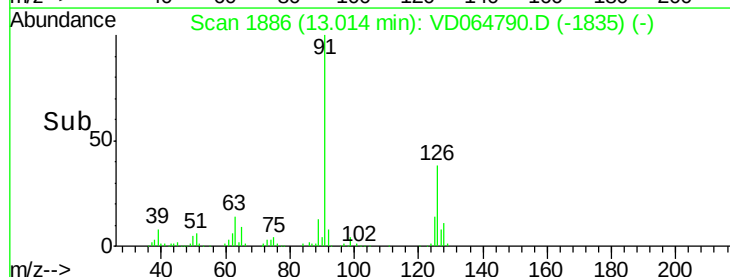
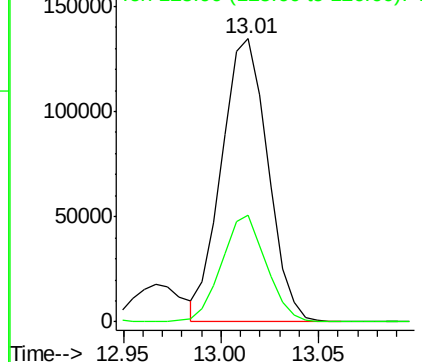
Lab File: VD064790.D

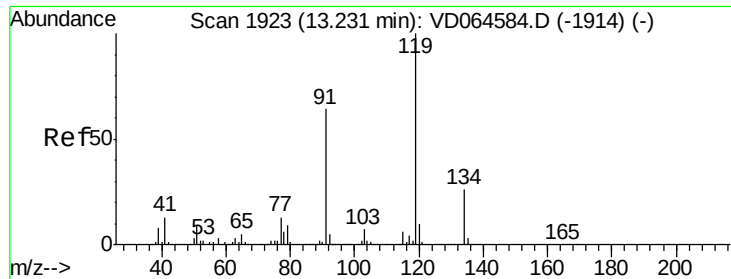
Acq: 07 Jan 2020 13:47

Tgt Ion:	91	Resp:	221000
Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.8	53.5



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 125.90 (125.60 to 126.60): V





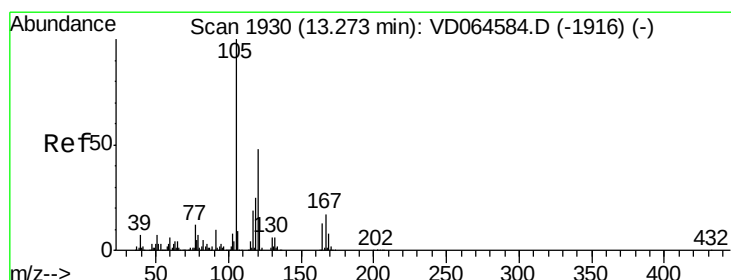
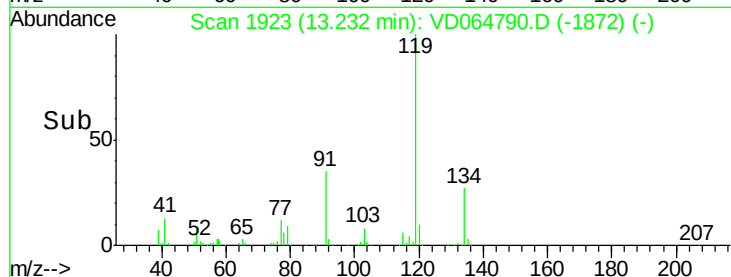
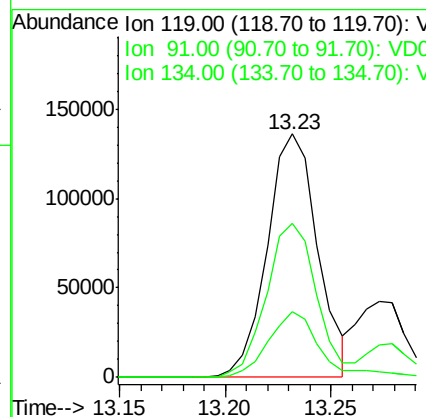
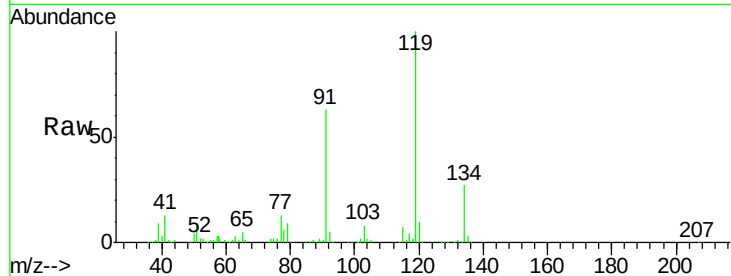
#83
 tert-Butylbenzene
 Concen: 20.659 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	226521		
91	63.6	30.8	92.4	
134	28.3	12.8	38.3	

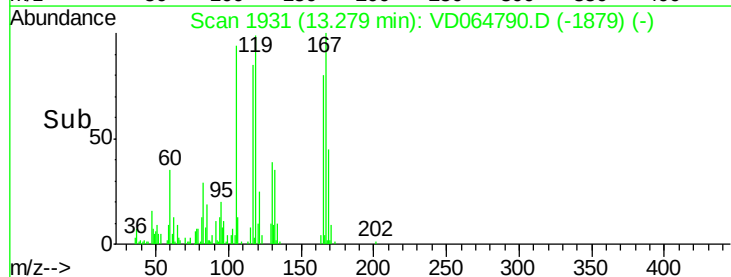
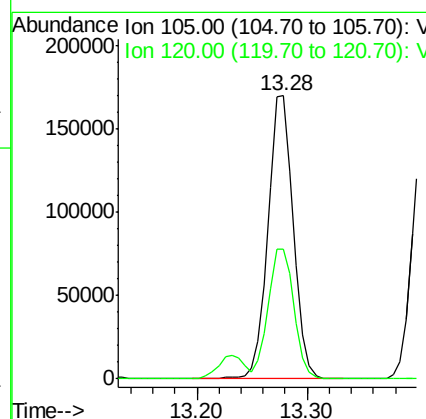
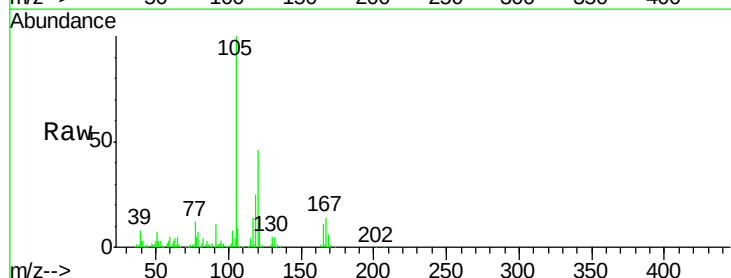
Manual Integrations
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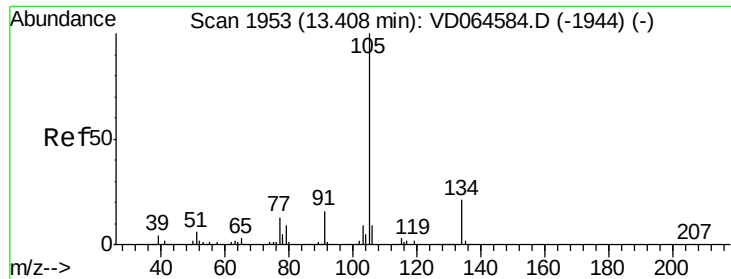
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.733 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	273342		
120	46.6	23.8	71.2	





#85

sec-Butylbenzene

Concen: 21.060 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

ClientSampleId :

VD0107SBS01

Tgt Ion:105 Resp: 316576

Ion Ratio Lower Upper

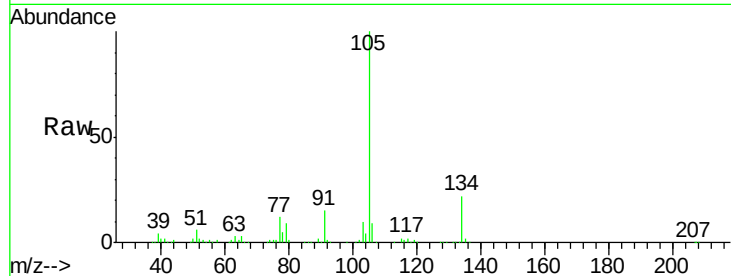
105 100

134 21.5 10.6 31.8

Manual Integrations
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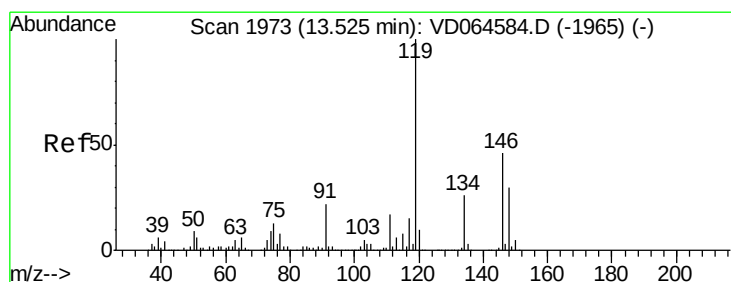
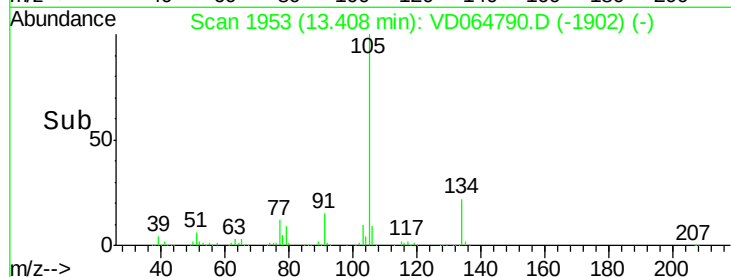
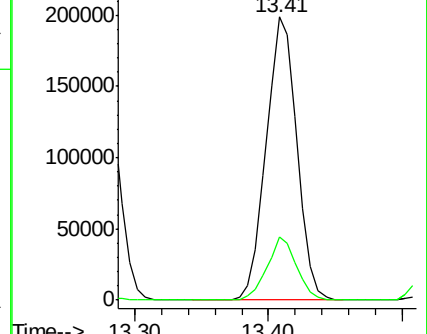
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.542 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

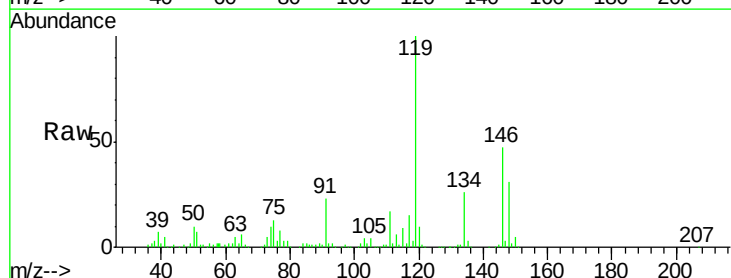
Tgt Ion:119 Resp: 295262

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

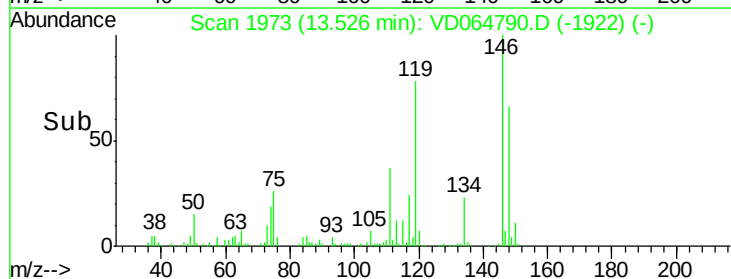
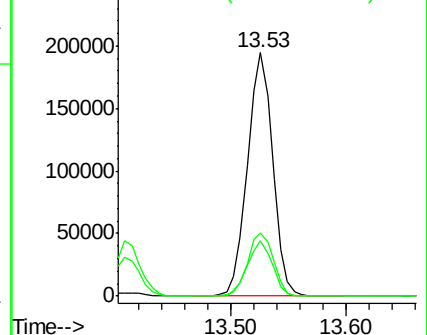
91 22.8 11.2 33.6

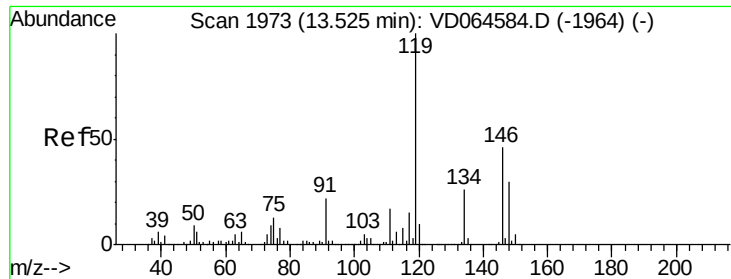


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.525 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Instrument :

MSVOA_D

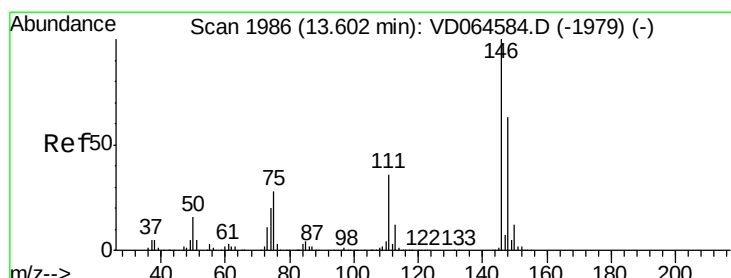
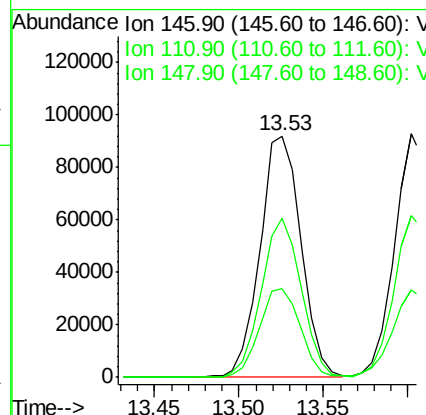
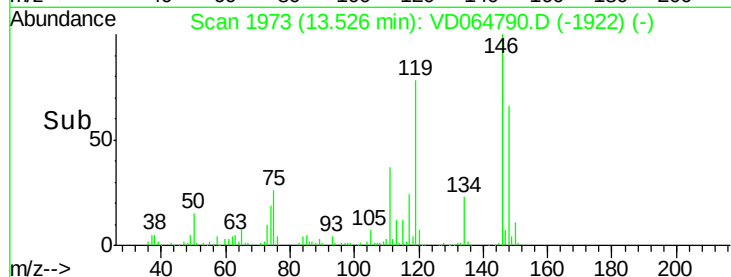
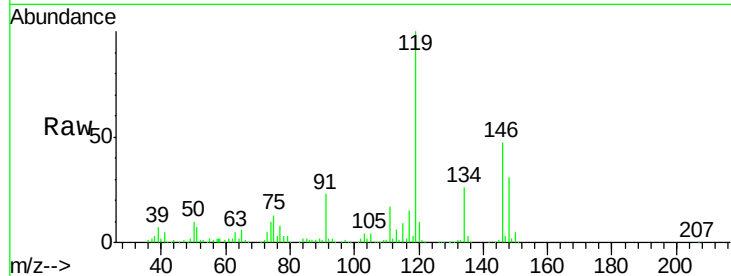
ClientSampleId :

VD0107SBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.8	56.4
148	64.3	32.5	97.5

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 21.368 ug/l

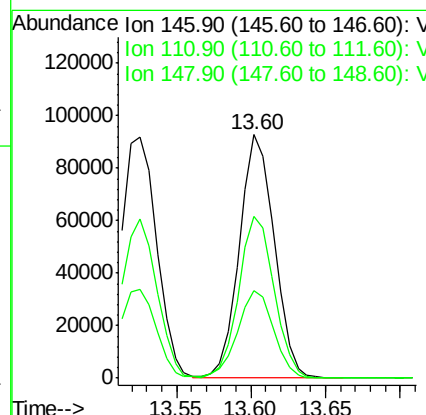
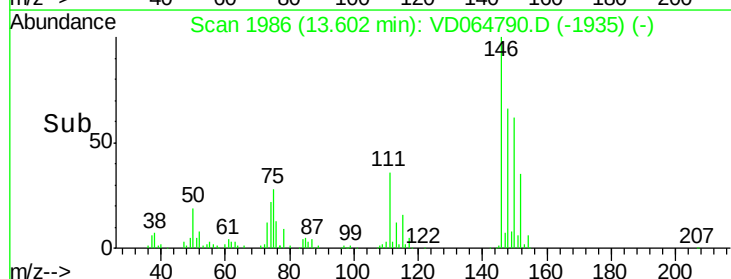
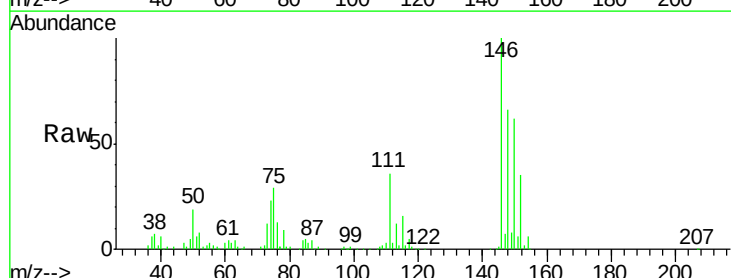
RT: 13.60 min Scan# 1986

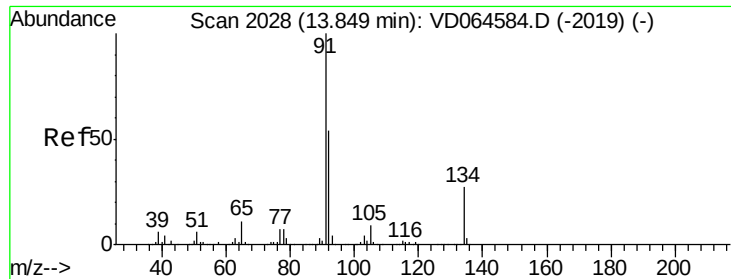
Delta R.T. 0.00 min

Lab File: VD064790.D

Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.1
148	67.1	32.3	96.9





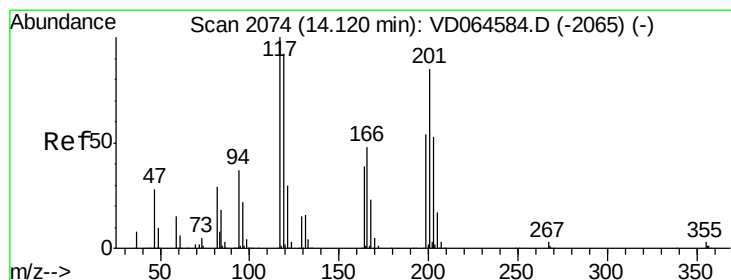
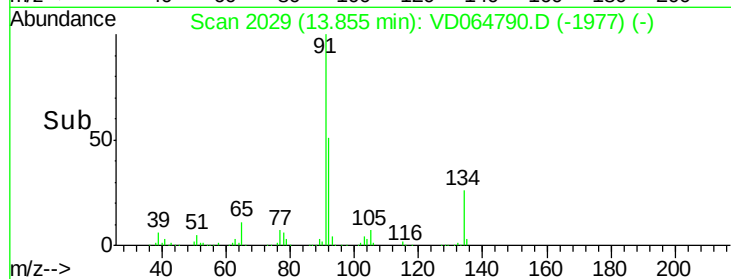
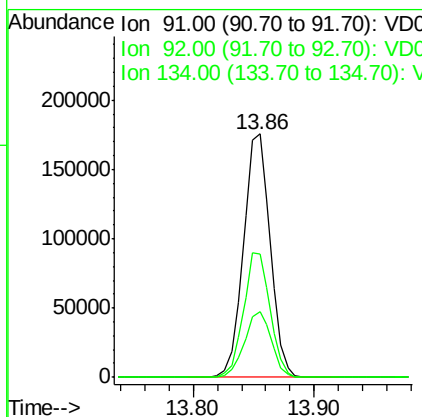
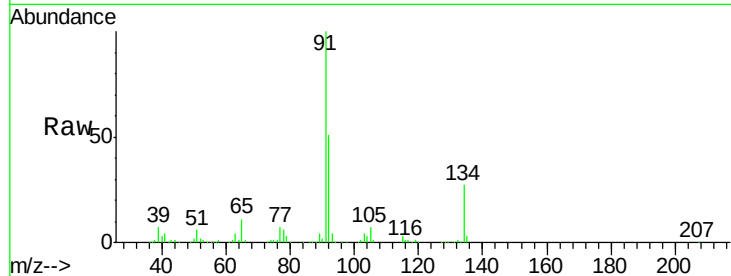
#89
n-Butylbenzene
Concen: 20.983 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	271597		
92	50.9	26.8	80.4	
134	27.0	14.0	41.9	

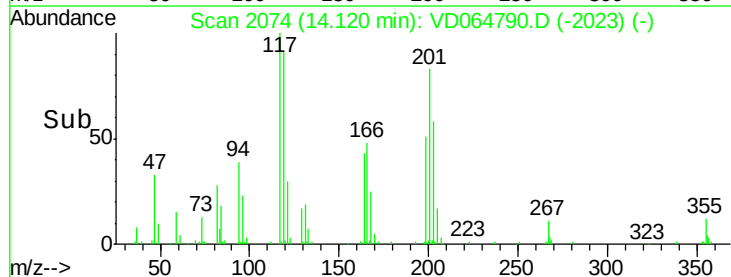
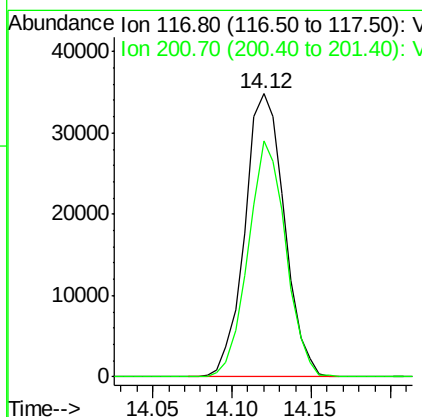
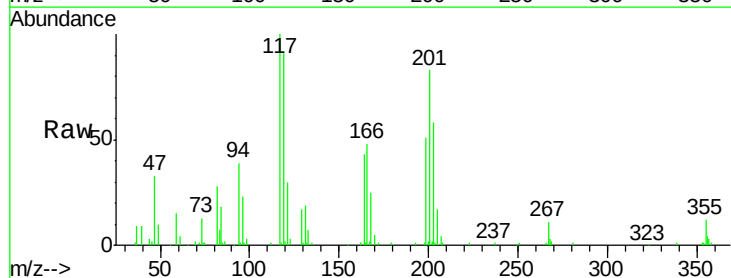
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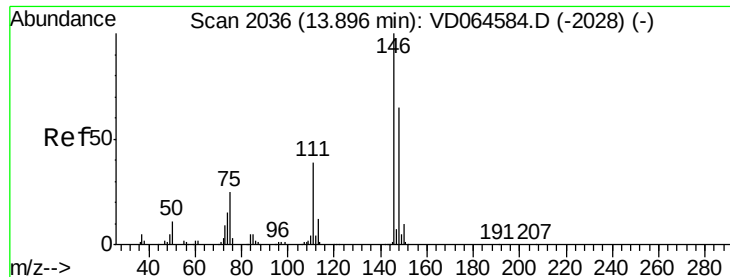
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#90
Hexachloroethane
Concen: 22.028 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	60480		
201	79.2	44.0	131.8	





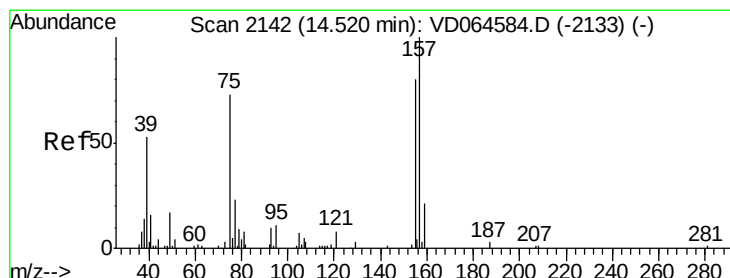
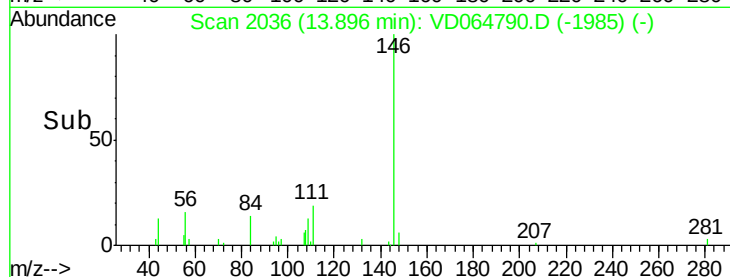
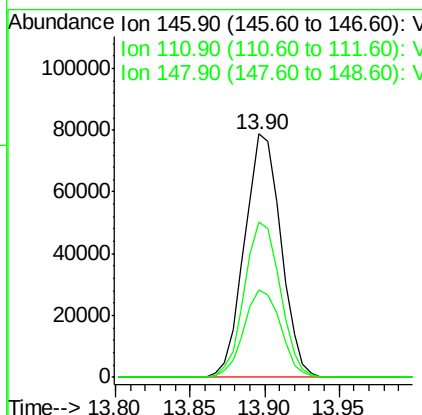
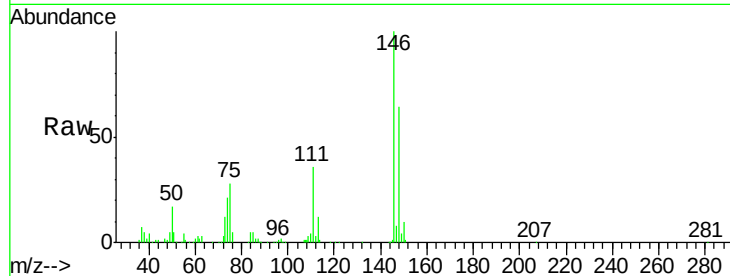
#91
 1,2-Dichlorobenzene
 Concen: 21.661 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	133010		
111	36.4	19.3	57.9	
148	63.2	31.9	95.5	

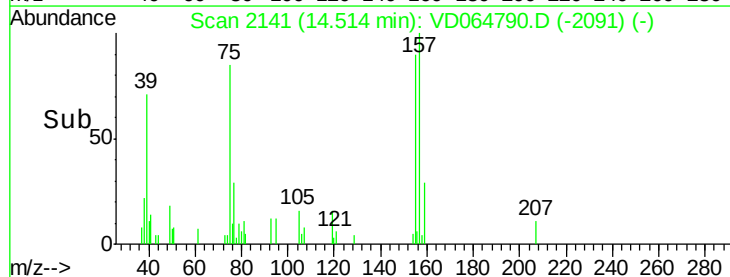
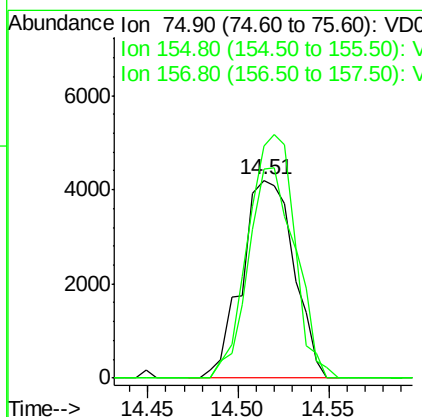
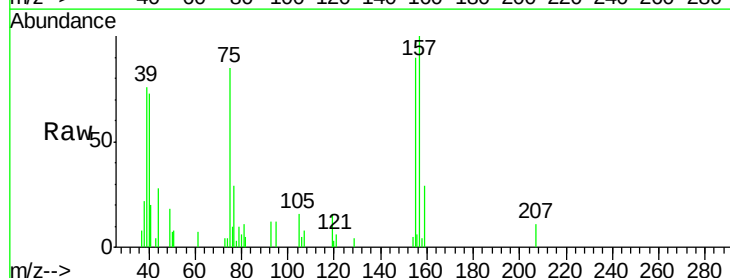
Manual Integrations
 APPROVED

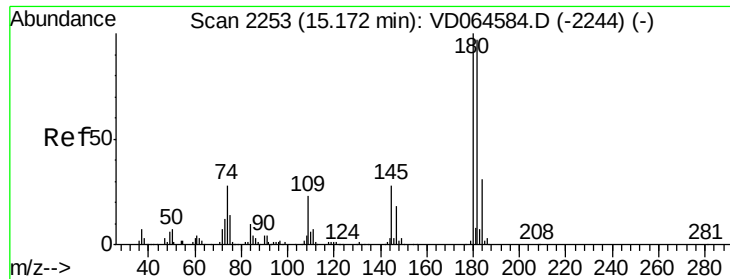
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.389 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8374		
155	92.2	48.0	144.0	
157	114.6	64.1	192.3	





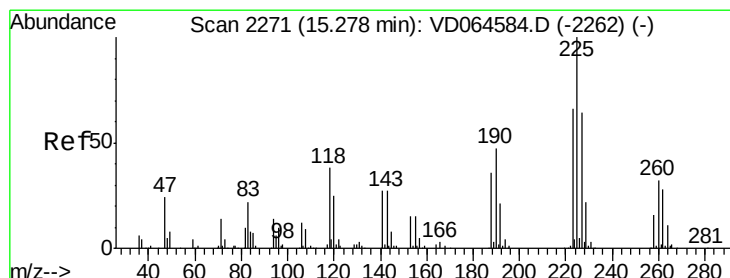
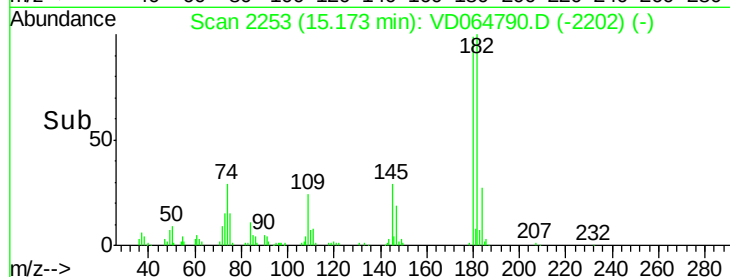
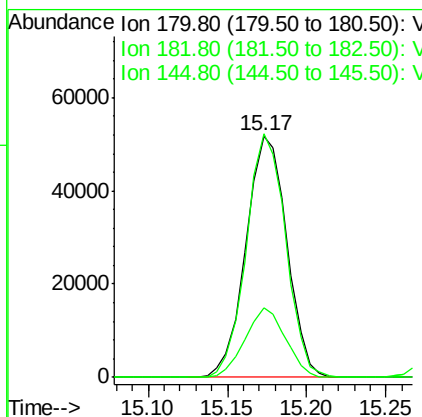
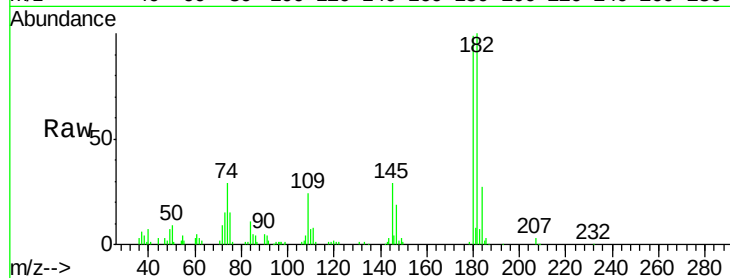
#93
 1,2,4-Trichlorobenzene
 Concen: 20.557 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0107SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	92945		
182	97.2	48.0	144.2	
145	28.4	13.8	41.4	

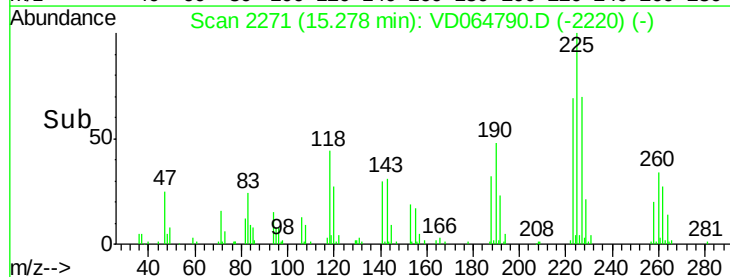
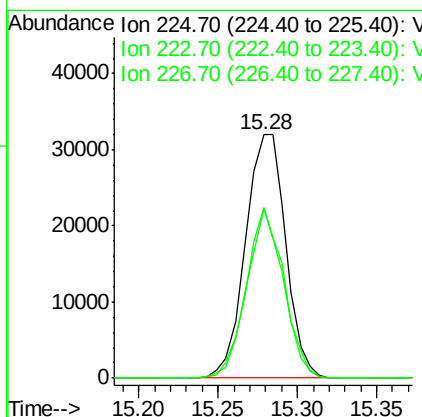
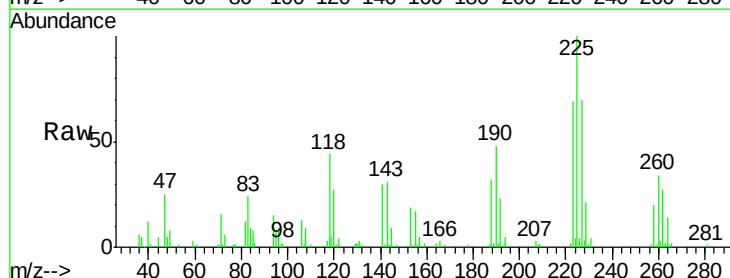
Manual Integrations
 APPROVED

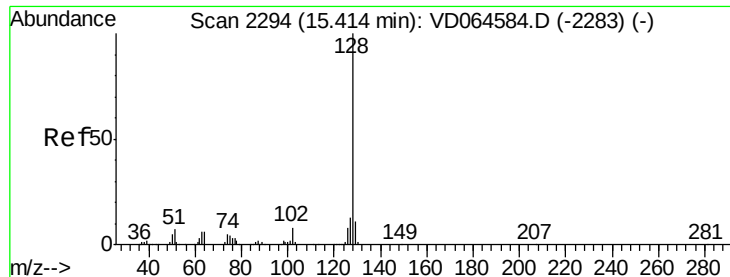
apatel
 1/8/2020 9:26:33 AM



#94
 Hexachlorobutadiene
 Concen: 19.892 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064790.D
 Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	56594		
223	64.3	31.1	93.2	
227	64.0	30.9	92.7	





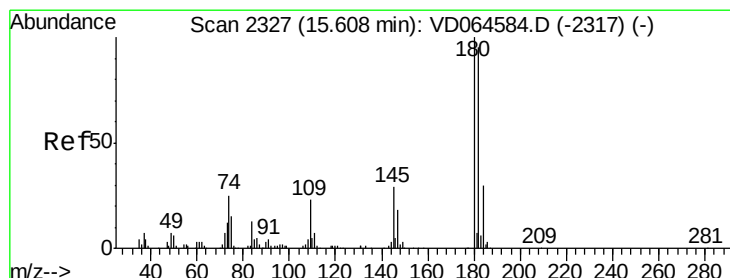
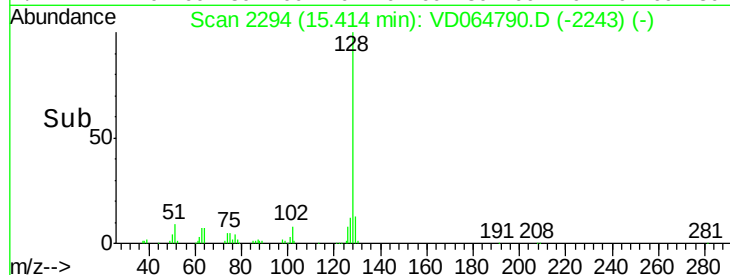
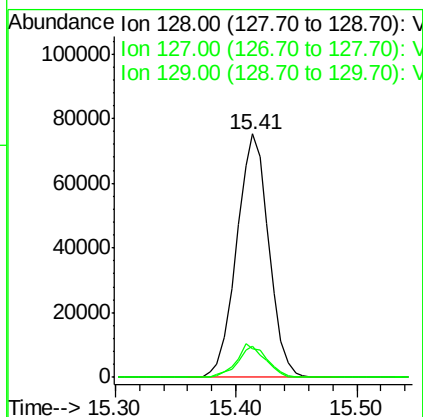
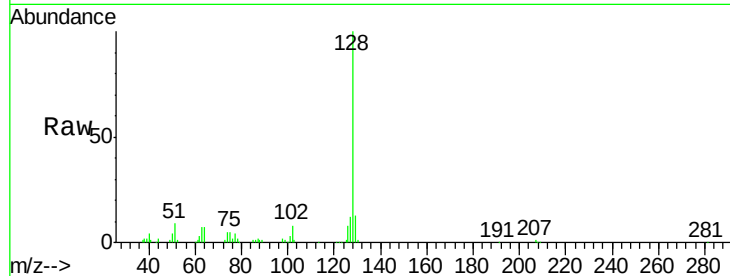
#95
Naphthalene
Concen: 19.362 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Instrument :
MSVOA_D
ClientSampleId :
VD0107SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
128	100		
127	12.9	10.3	15.5
129	11.3	8.5	12.7

Manual Integrations
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1/8/2020 9:26:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.857 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064790.D
Acq: 07 Jan 2020 13:47

Tgt Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	94.1	47.9	143.7
145	27.4	14.9	44.7

