

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD123119\
 Data File : VD064686.D
 Acq On : 31 Dec 2019 10:58
 Operator : VA/SY
 Sample : VD1231SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:55 AM

Quant Time: Jan 01 06:03:36 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	371963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	535176	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	457410	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220825	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	156661	47.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.52%	
35) Dibromofluoromethane	7.91	113	158673	48.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.66%	
50) Toluene-d8	10.34	98	618300	49.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.34%	
62) 4-Bromofluorobenzene	12.64	95	188793	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	52470	18.151	ug/l	94
3) Chloromethane	2.21	50	79125	19.572	ug/l	97
4) Vinyl Chloride	2.35	62	95790	19.433	ug/l	97
5) Bromomethane	2.77	94	68521	19.118	ug/l	99
6) Chloroethane	2.92	64	66203	20.044	ug/l	96
7) Trichlorofluoromethane	3.27	101	156036	18.800	ug/l	98
8) Diethyl Ether	3.70	74	30950	18.778	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	65980	19.195	ug/l	99
10) Methyl Iodide	4.29	142	65995	17.874	ug/l	98
11) Tert butyl alcohol	5.26	59	16020	85.225	ug/l #	70
12) 1,1-Dichloroethene	4.05	96	63793	19.494	ug/l	97
13) Acrolein	3.91	56	20161	76.959	ug/l	100
14) Allyl chloride	4.71	41	99574	19.516	ug/l	99
15) Acrylonitrile	5.43	53	61927	90.205	ug/l	98
16) Acetone	4.16	43	64365	89.119	ug/l	98
17) Carbon Disulfide	4.40	76	200892	18.985	ug/l	99
18) Methyl Acetate	4.71	43	33309	18.038	ug/l	98
19) Methyl tert-butyl Ether	5.47	73	133157	18.319	ug/l	95
20) Methylene Chloride	4.96	84	74860	19.317	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	73273	19.661	ug/l	97
22) Diisopropyl ether	6.36	45	193789	19.042	ug/l #	98
23) Vinyl Acetate	6.31	43	509934	88.332	ug/l	98
24) 1,1-Dichloroethane	6.26	63	124746	20.419	ug/l	98
25) 2-Butanone	7.22	43	78699	87.291	ug/l	98
26) 2,2-Dichloropropane	7.20	77	113152	19.920	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	77644	19.304	ug/l	97
28) Bromochloromethane	7.54	49	44347	18.673	ug/l	98
29) Tetrahydrofuran	7.56	42	47720	85.113	ug/l	99
30) Chloroform	7.71	83	127794	19.937	ug/l	93
31) Cyclohexane	7.98	56	112912	18.463	ug/l #	91
32) 1,1,1-Trichloroethane	7.90	97	119313	19.818	ug/l	99
36) 1,1-Dichloropropene	8.11	75	98711	19.163	ug/l	98
37) Ethyl Acetate	7.30	43	37793	18.676	ug/l	99
38) Carbon Tetrachloride	8.10	117	108900	19.827	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	112377	18.012	ug/l	99
40) Benzene	8.35	78	271634	19.317	ug/l	100
41) Methacrylonitrile	7.52	41	16818	14.324	ug/l #	72
42) 1,2-Dichloroethane	8.42	62	78274	19.263	ug/l	99
43) Isopropyl Acetate	8.45	43	69054	17.144	ug/l	98
44) Trichloroethene	9.11	130	80470	19.480	ug/l	95
45) 1,2-Dichloropropane	9.38	63	66277	19.740	ug/l	99
46) Dibromomethane	9.48	93	33484	17.888	ug/l	92
47) Bromodichloromethane	9.66	83	94932	19.059	ug/l	98
48) Methyl methacrylate	9.46	41	31764	16.749	ug/l	87
49) 1,4-Dioxane	9.47	88	7378	341.825	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	169744	85.262	ug/l	100
52) Toluene	10.40	92	182118	19.740	ug/l	96
53) t-1,3-Dichloropropene	10.62	75	86610	18.650	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	105622	19.289	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	45308	17.960	ug/l	94
56) Ethyl methacrylate	10.66	69	55722	17.687	ug/l	97
57) 1,3-Dichloropropane	10.94	76	80206	18.465	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	109459	91.191	ug/l	99
59) 2-Hexanone	10.98	43	112621	83.347	ug/l	99
60) Dibromochloromethane	11.14	129	63340	18.157	ug/l	100
61) 1,2-Dibromoethane	11.25	107	45469	18.274	ug/l	98
64) Tetrachloroethene	10.87	164	69052	19.678	ug/l	95
65) Chlorobenzene	11.67	112	185683	19.559	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.74	131	71602	20.007	ug/l	98
67) Ethyl Benzene	11.75	91	338131	19.623	ug/l	99
68) m/p-Xylenes	11.86	106	255582	38.428	ug/l	95
69) o-Xylene	12.18	106	118215	19.678	ug/l	100
70) Styrene	12.20	104	201452	19.105	ug/l	100
71) Bromoform	12.36	173	36989	18.123	ug/l #	100
73) Isopropylbenzene	12.48	105	318504	20.183	ug/l	99
74) N-amyl acetate	12.29	43	61678	18.284	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	47148	19.019	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	29199m	16.745	ug/l	
77) Bromobenzene	12.77	156	77544	19.998	ug/l	97
78) n-propylbenzene	12.83	91	375232	20.382	ug/l	98
79) 2-Chlorotoluene	12.91	91	207483	20.516	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	269144	20.762	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15568	18.672	ug/l	97
82) 4-Chlorotoluene	13.01	91	218910	20.340	ug/l	100
83) tert-Butylbenzene	13.23	119	224408	19.938	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	256908	19.899	ug/l	97
85) sec-Butylbenzene	13.41	105	307746	19.944	ug/l	100
86) p-Isopropyltoluene	13.53	119	285969	19.382	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	143518	19.416	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	141837	19.533	ug/l	98
89) n-Butylbenzene	13.86	91	261956	19.716	ug/l	100
90) Hexachloroethane	14.12	117	56436	20.024	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	122761	19.476	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	7397	18.406	ug/l	95

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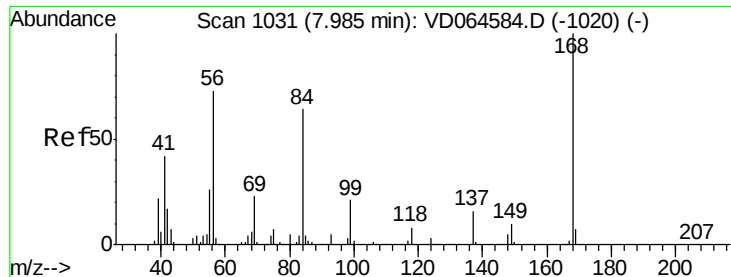
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	85866	18.501	ug/l	100
94) Hexachlorobutadiene	15.28	225	55356	18.954	ug/l	99
95) Naphthalene	15.41	128	126224	17.192	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	72268	18.240	ug/l	99

(#) = 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: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion:168 Resp: 371963

Ion Ratio Lower Upper

168 100

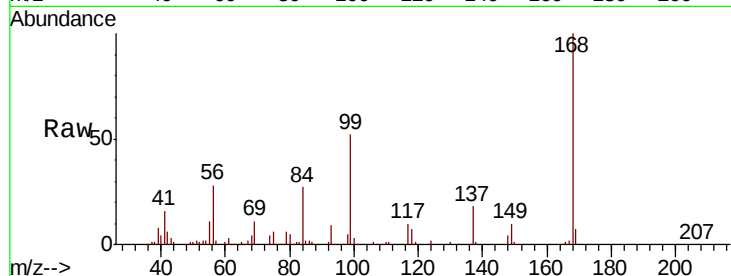
99 51.9 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

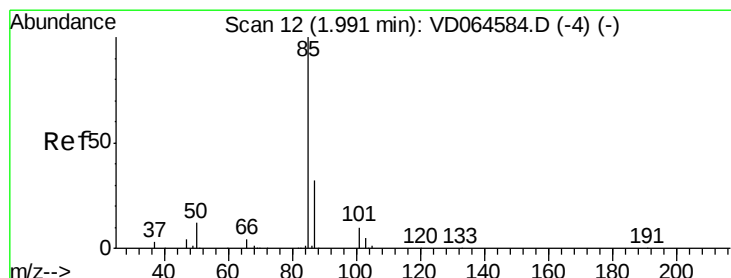
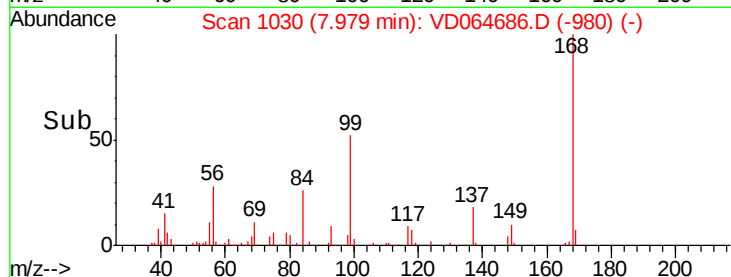
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.151 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064686.D

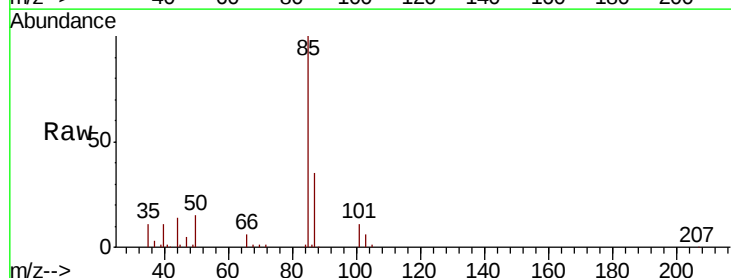
Acq: 31 Dec 2019 10:58

Tgt Ion: 85 Resp: 52470

Ion Ratio Lower Upper

85 100

87 35.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

40000

30000

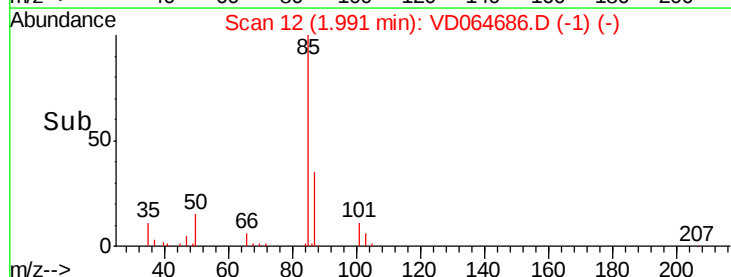
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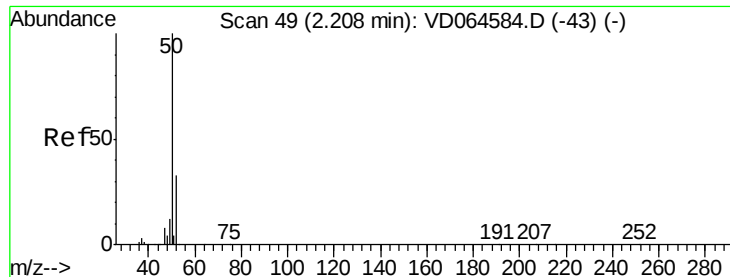
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 19.572 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 50 Resp: 79125

Ion Ratio Lower Upper

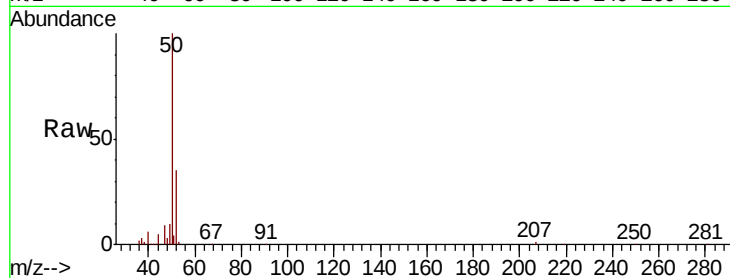
50 100

52 34.9 26.5 39.7

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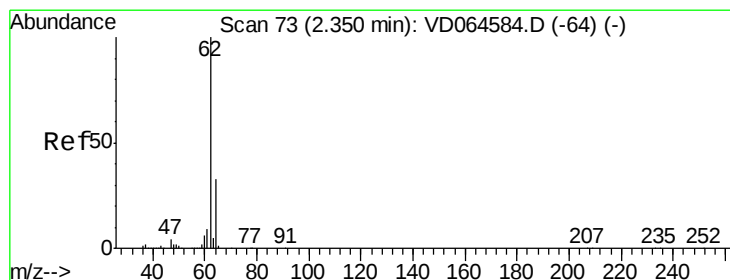
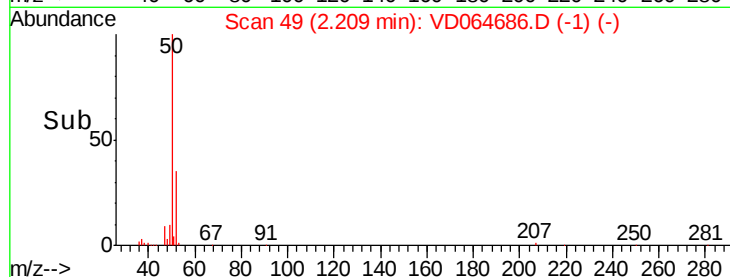
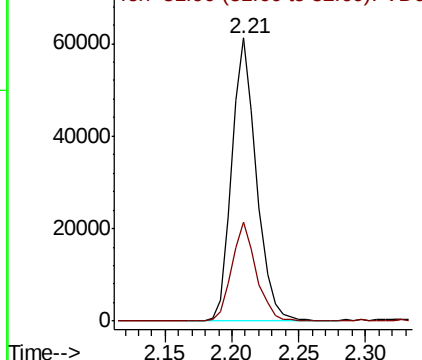
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.433 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064686.D

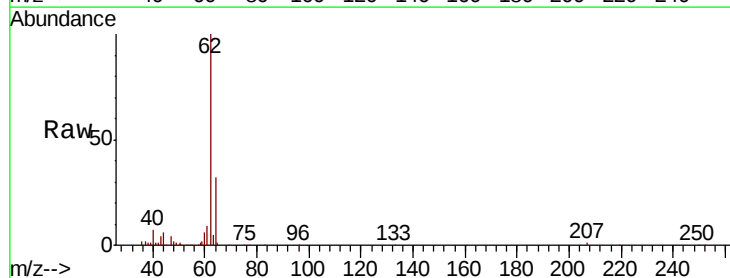
Acq: 31 Dec 2019 10:58

Tgt Ion: 62 Resp: 95790

Ion Ratio Lower Upper

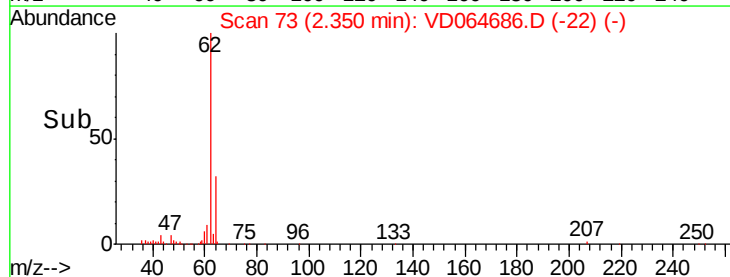
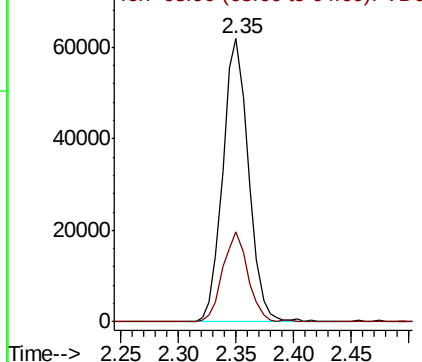
62 100

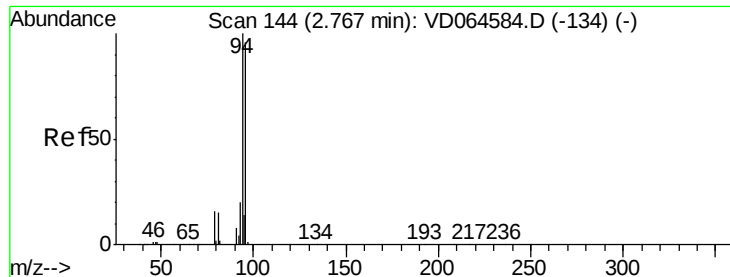
64 31.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.118 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 94 Resp: 68521

Ion Ratio Lower Upper

94 100

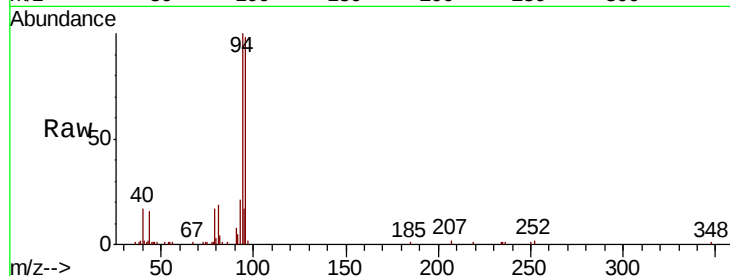
96 97.4 77.2 115.8

Manual Integrations

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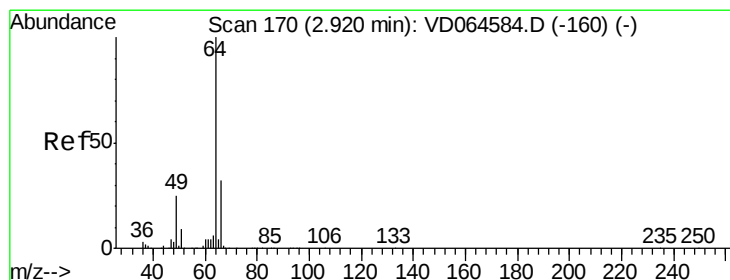
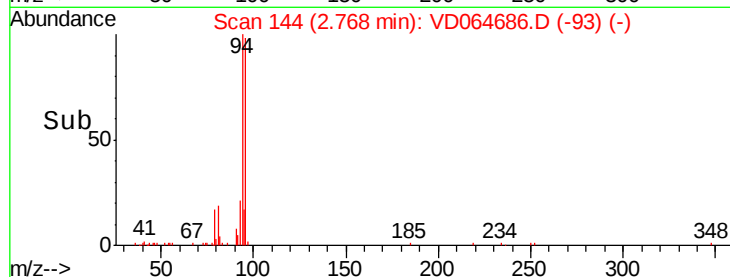
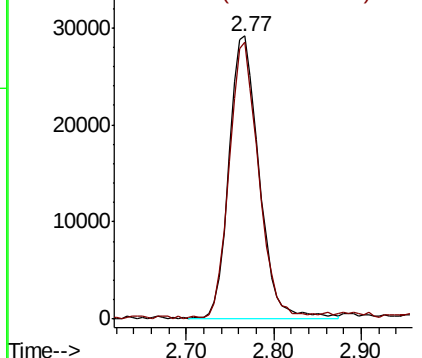
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.044 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064686.D

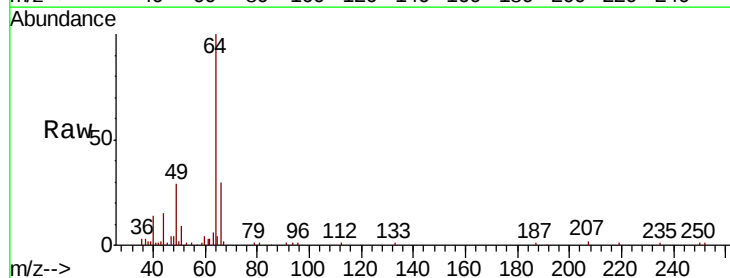
Acq: 31 Dec 2019 10:58

Tgt Ion: 64 Resp: 66203

Ion Ratio Lower Upper

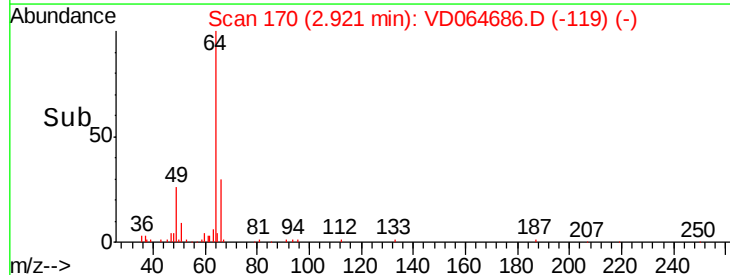
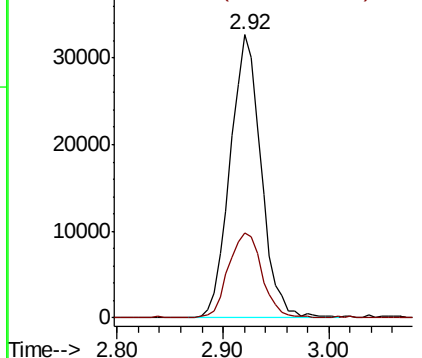
64 100

66 30.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

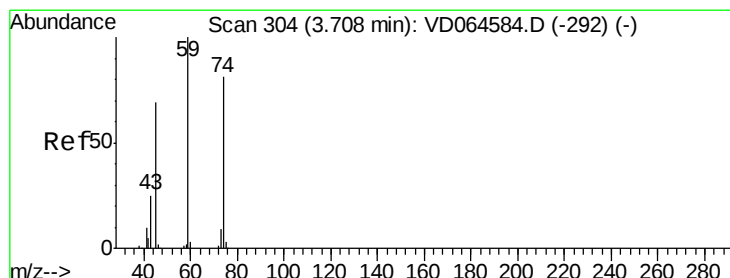
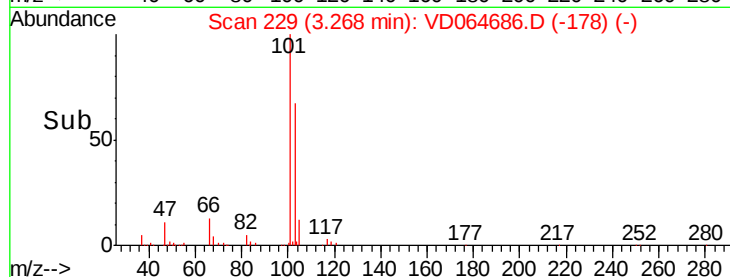
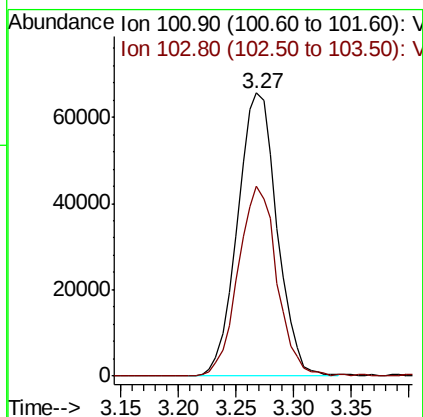
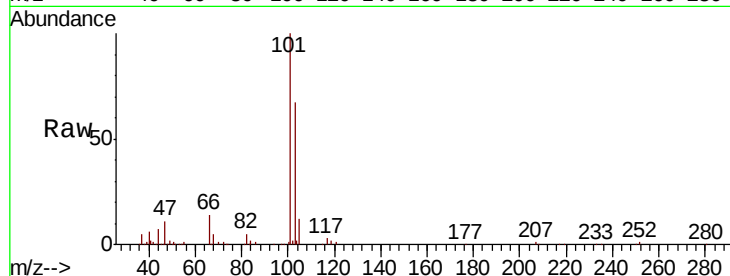
Trichlorofluoromethane
Concen: 18.800 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

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VD1231SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.0	52.2	78.4

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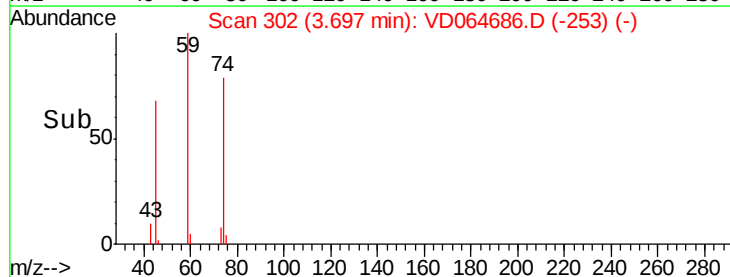
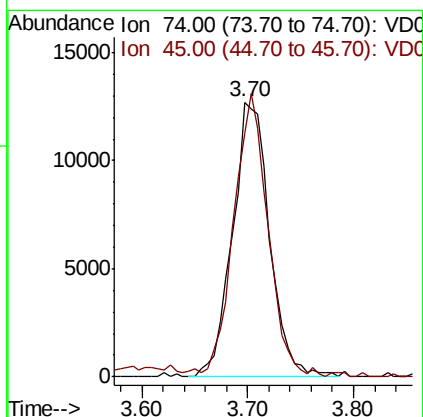
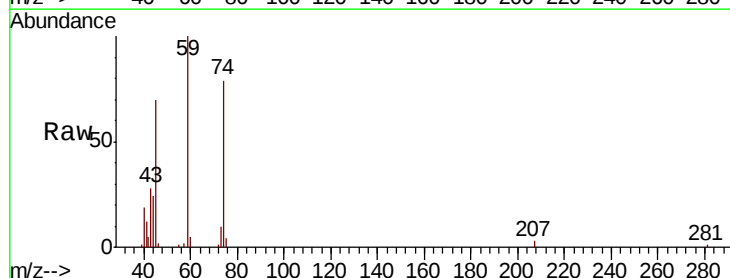
apatel
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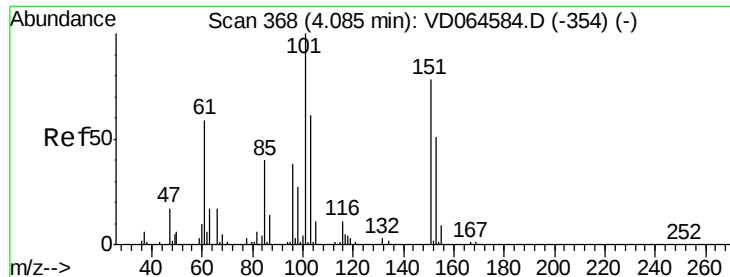


#8

Diethyl Ether
Concen: 18.778 ug/l
RT: 3.70 min Scan# 302
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.195 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

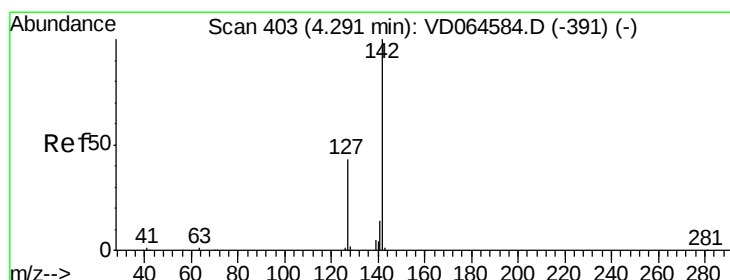
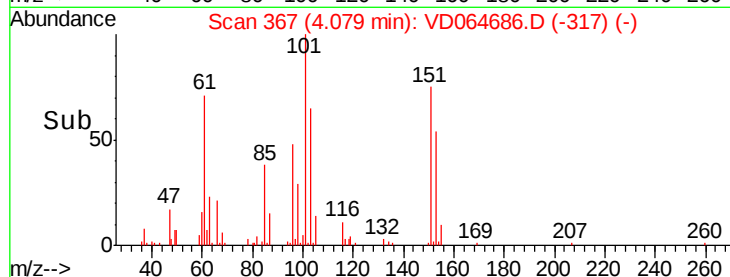
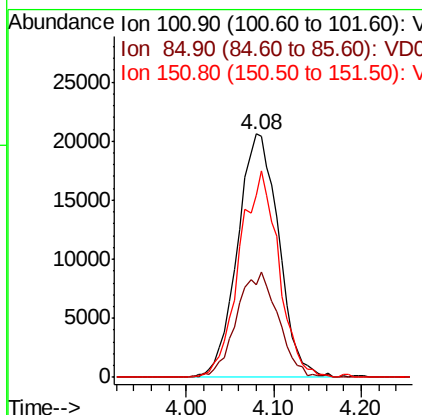
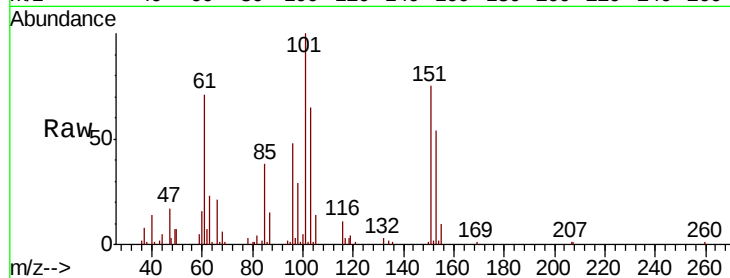
ClientSampleId :

VD1231SBS01

Tot Ion:	101	Resp:	65980
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	81.4	66.2	99.4

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#10

Methyl Iodide

Concen: 17.874 ug/l

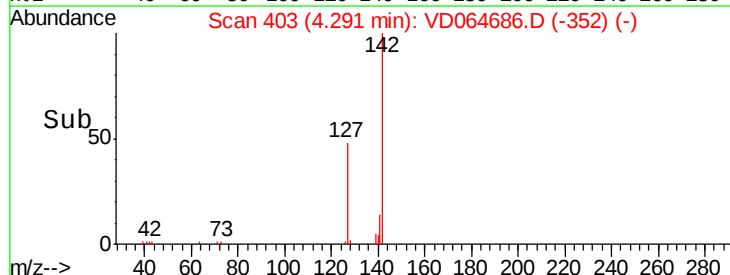
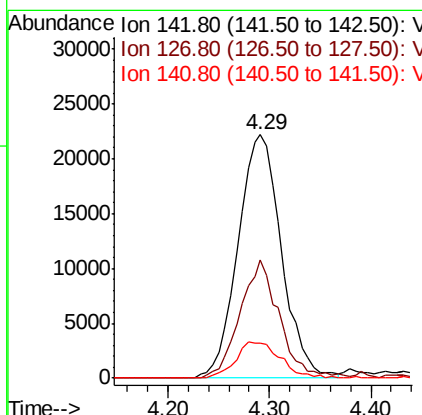
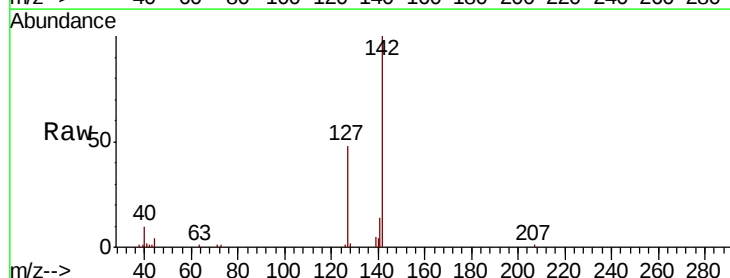
RT: 4.29 min Scan# 403

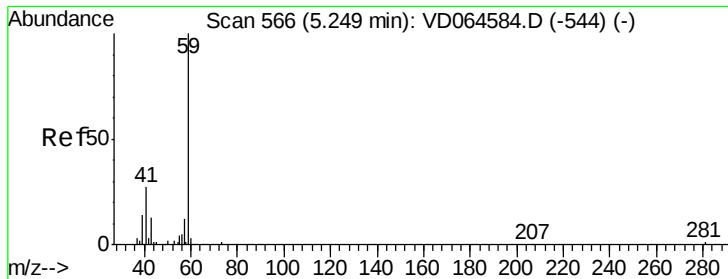
Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion:	142	Resp:	65995
Ion Ratio	Lower	Upper	
142	100		
127	44.1	36.2	54.4
141	15.2	11.8	17.8





#11

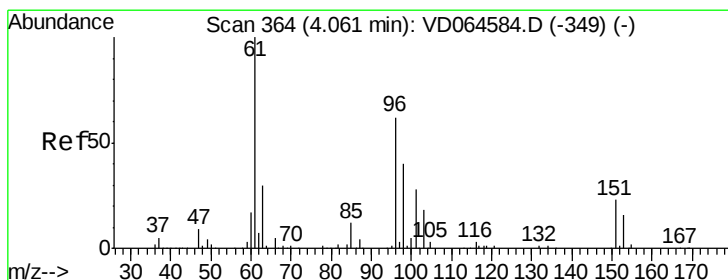
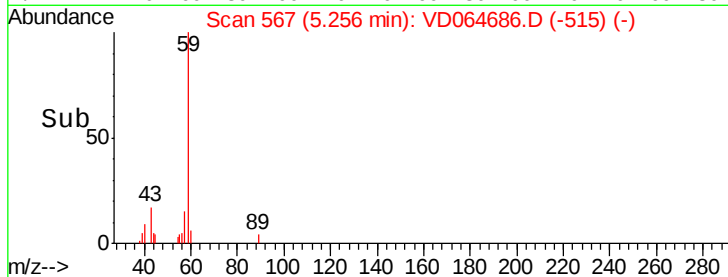
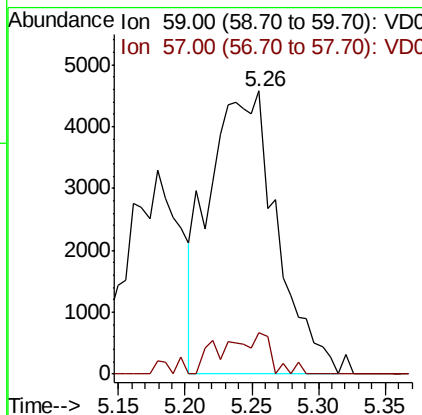
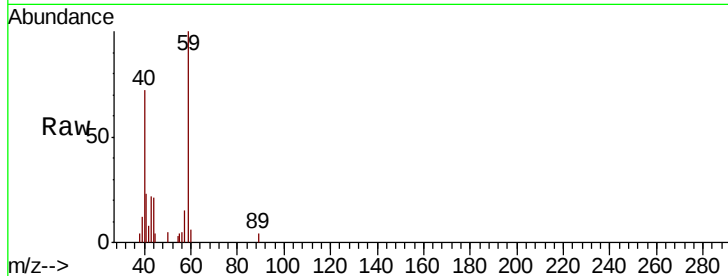
Tert butyl alcohol
 Concen: 85.225 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleID :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.3	13.9#

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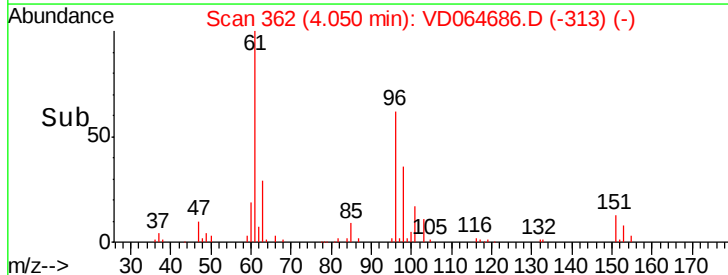
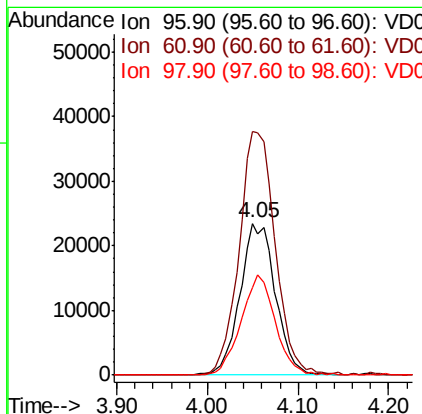
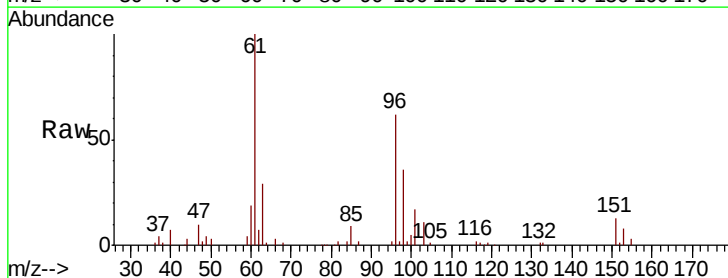
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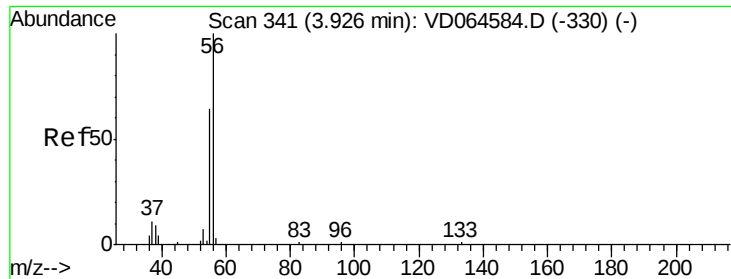


#12

1,1-Dichloroethene
 Concen: 19.494 ug/l
 RT: 4.05 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	160.6	129.4	194.0
98	57.6	51.4	77.0





#13

Acrolein

Concen: 76.959 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 56 Resp: 20161

Ion Ratio Lower Upper

56 100

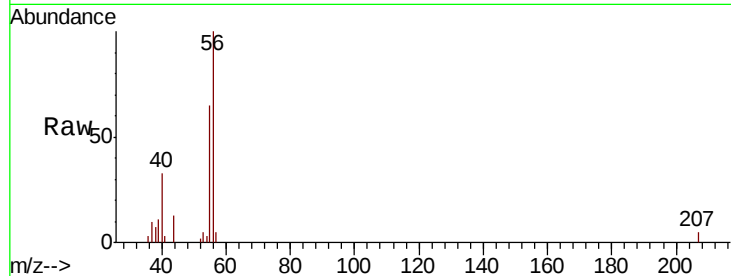
55 71.2 56.7 85.1

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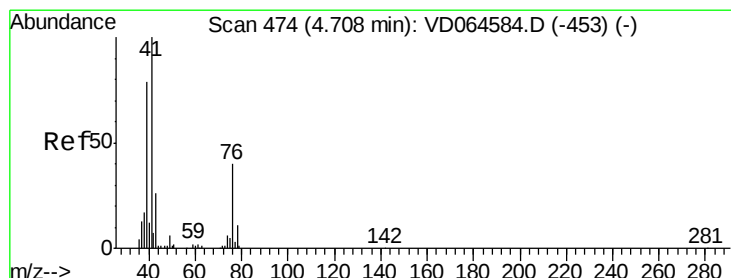
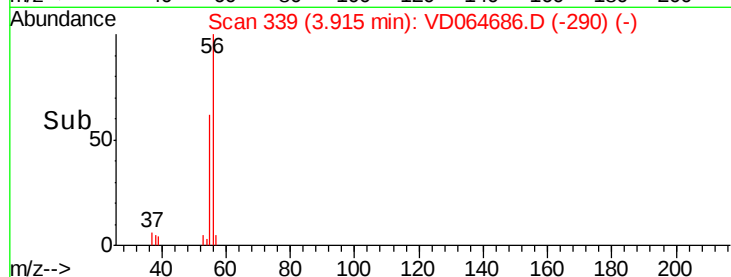
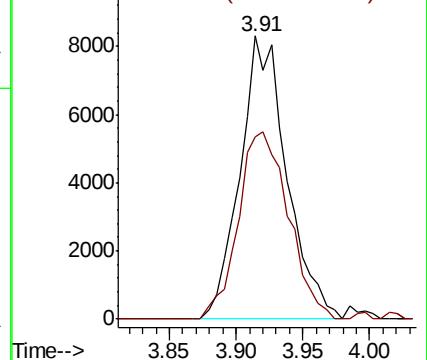
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.516 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

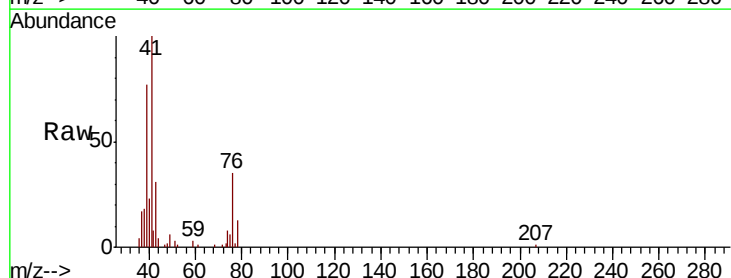
Tgt Ion: 41 Resp: 99574

Ion Ratio Lower Upper

41 100

39 79.0 62.3 93.5

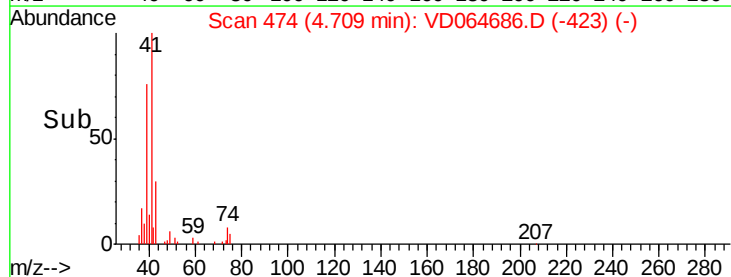
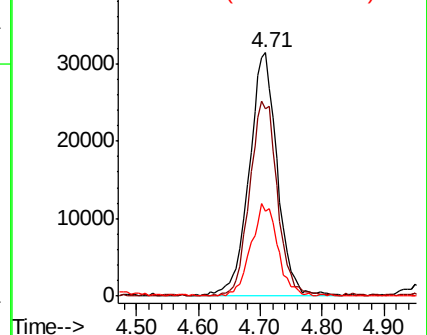
76 36.2 29.7 44.5

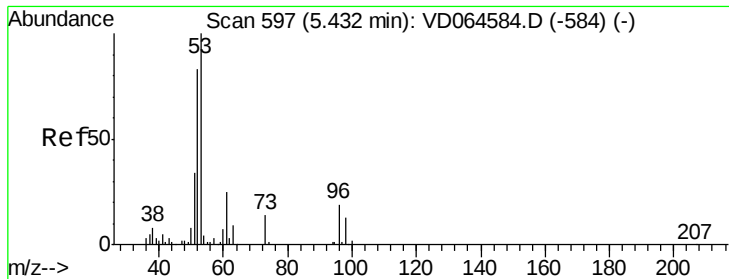


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 90.205 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

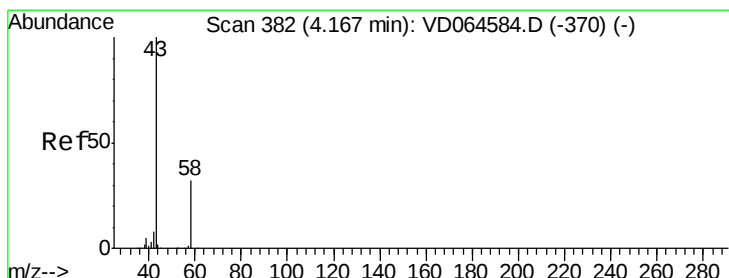
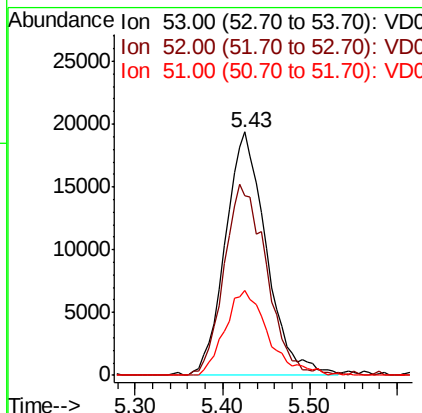
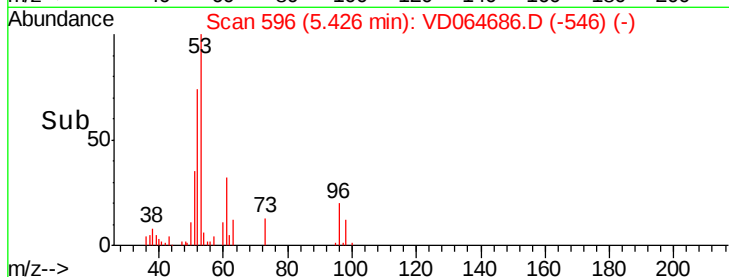
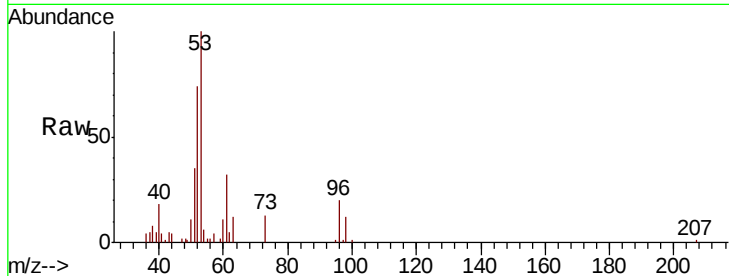
ClientSampleId :

VD1231SBS01

Tot Ion:	53	Resp:	61927
Ion Ratio	Lower	Upper	
53	100		
52	81.4	66.2	99.2
51	36.6	30.1	45.1

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#16

Acetone

Concen: 89.119 ug/l

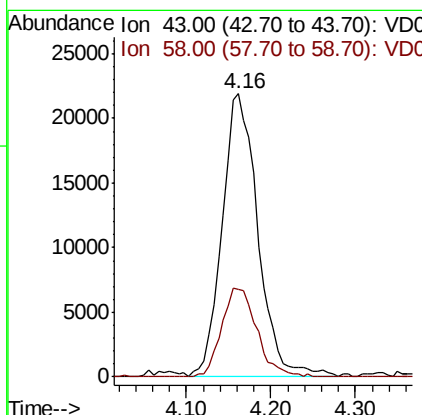
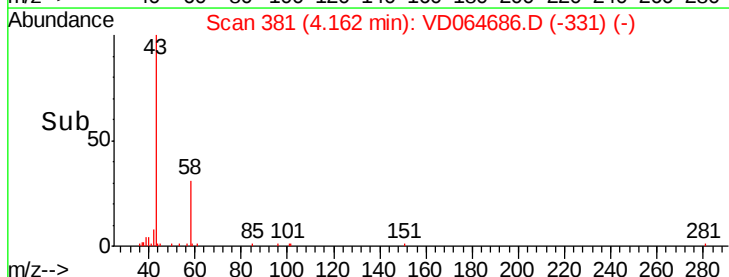
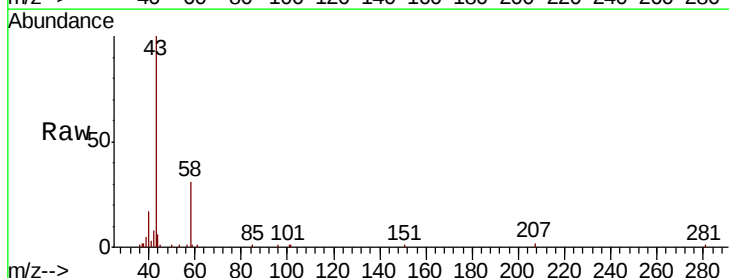
RT: 4.16 min Scan# 381

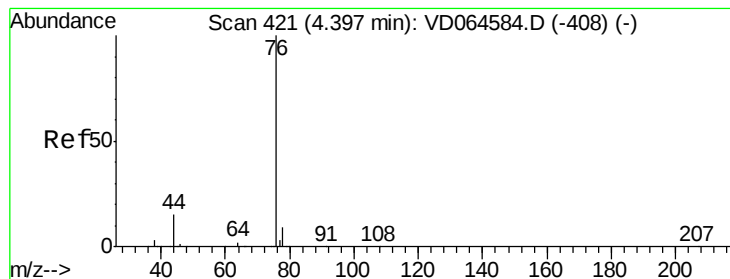
Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion:	43	Resp:	64365
Ion Ratio	Lower	Upper	
43	100		
58	31.0	25.8	38.6





#17

Carbon Disulfide

Concen: 18.985 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 76 Resp: 200892

Ion Ratio Lower Upper

76 100

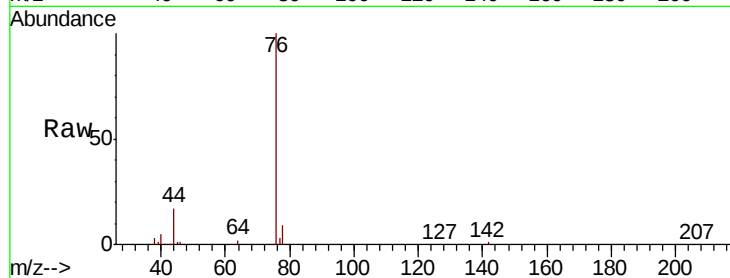
78 8.7 7.3 10.9

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

80000

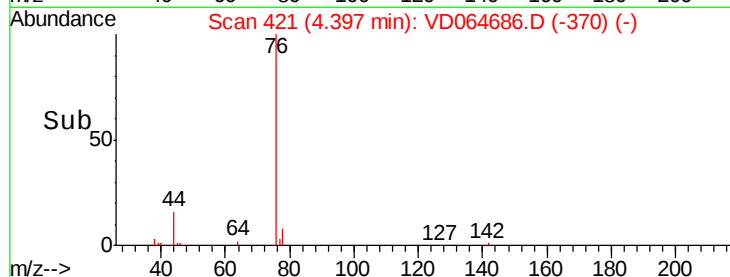
60000

40000

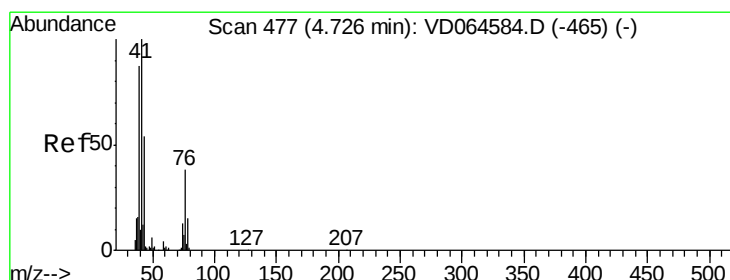
20000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 18.038 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD064686.D

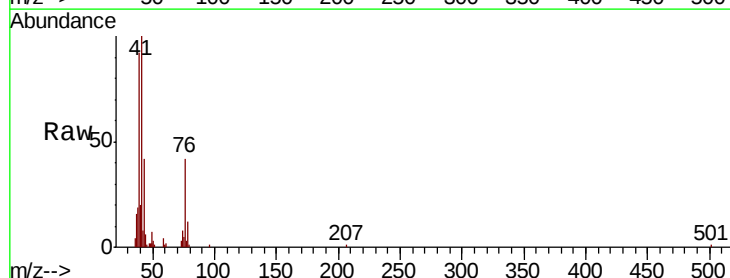
Acq: 31 Dec 2019 10:58

Tgt Ion: 43 Resp: 33309

Ion Ratio Lower Upper

43 100

74 24.9 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.71

12000

10000

8000

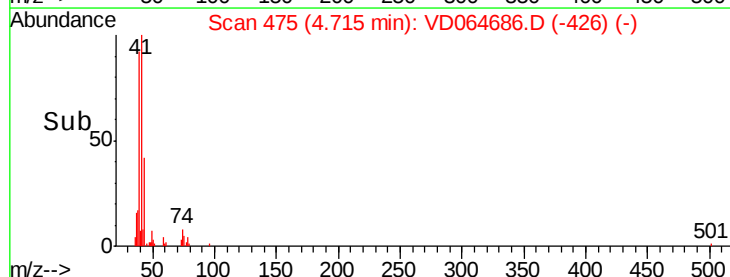
6000

4000

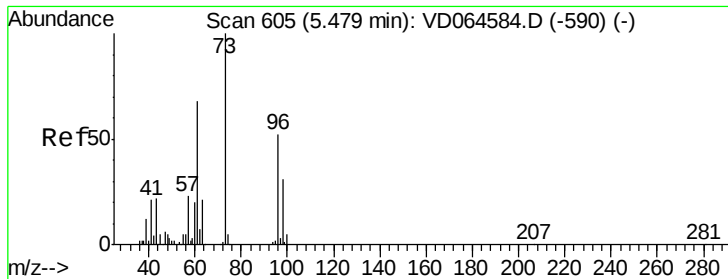
2000

0

Time-->



Time-->



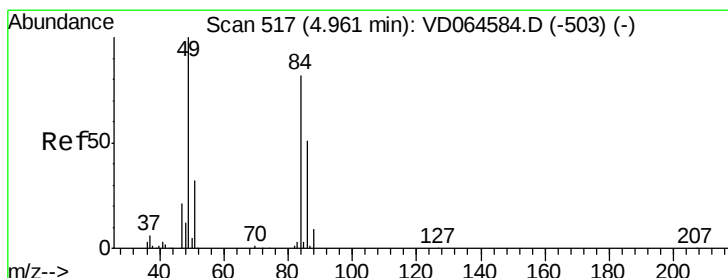
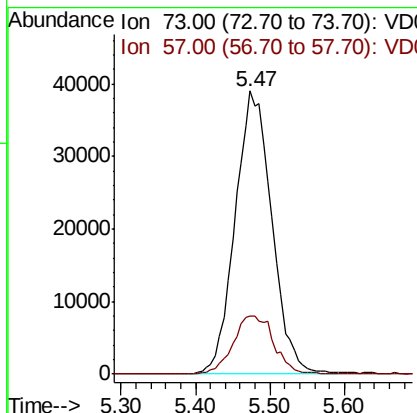
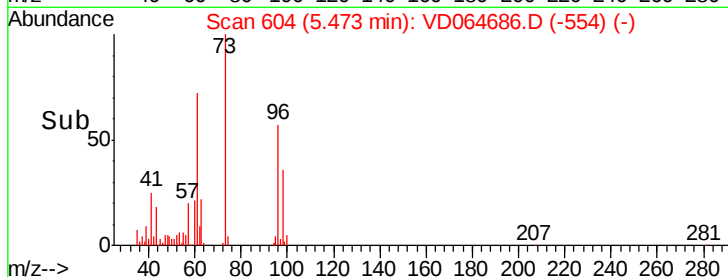
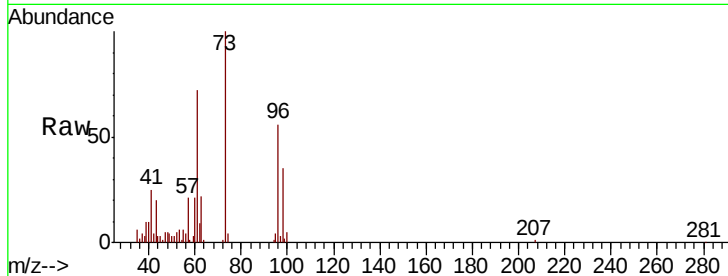
#19
Methvl tert-butvl Ether
Concen: 18.319 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion: 73 Resp: 133157
Ion Ratio Lower Upper
73 100
57 20.6 18.6 27.8

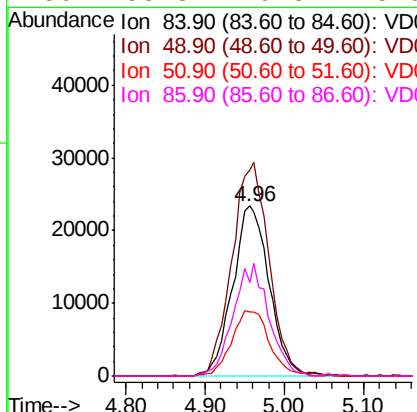
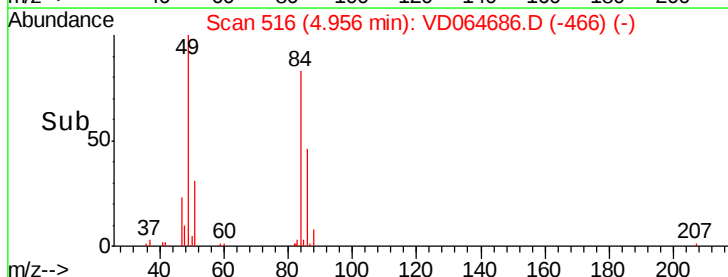
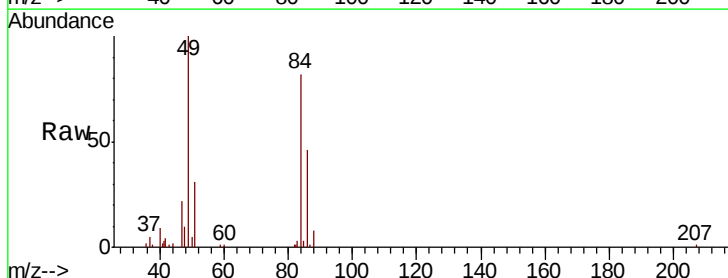
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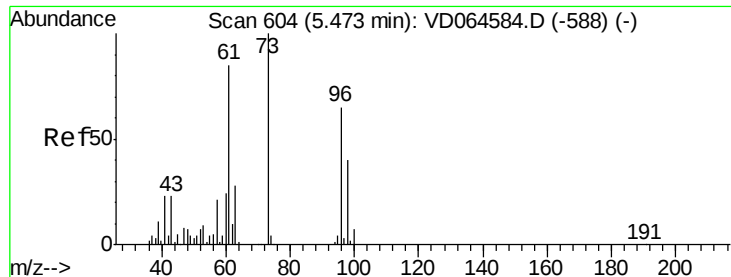
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#20
Methylene Chloride
Concen: 19.317 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 84 Resp: 74860
Ion Ratio Lower Upper
84 100
49 121.5 97.2 145.8
51 37.4 31.4 47.0
86 55.3 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 19.661 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

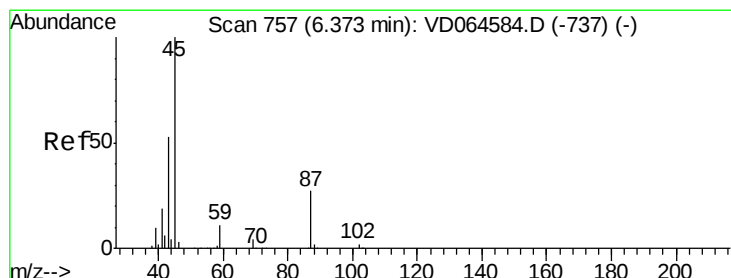
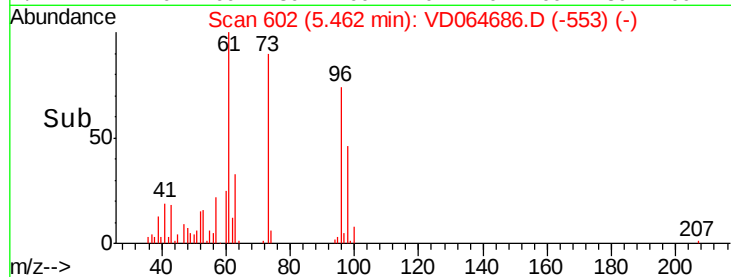
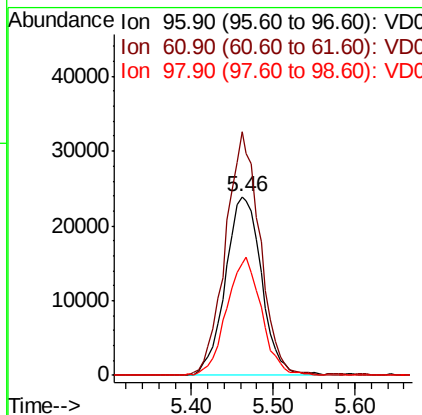
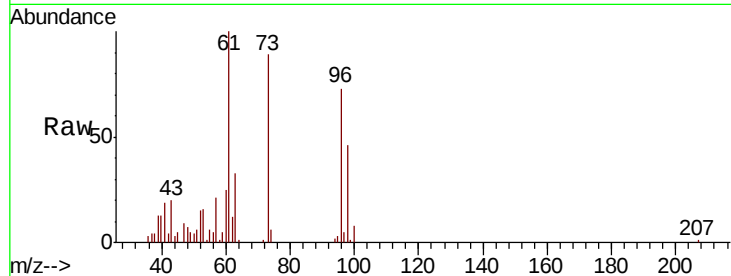
ClientSampleId :

VD1231SBS01

Tot Ion:	96	Resp:	73273
Ion	Ratio	Lower	Upper
96	100		
61	136.3	104.7	157.1
98	62.3	49.4	74.2

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#22

Diisopropyl ether

Concen: 19.042 ug/l

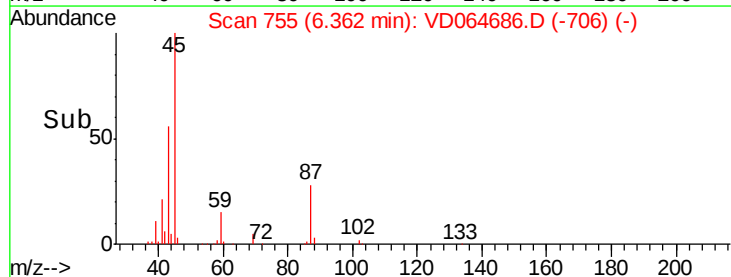
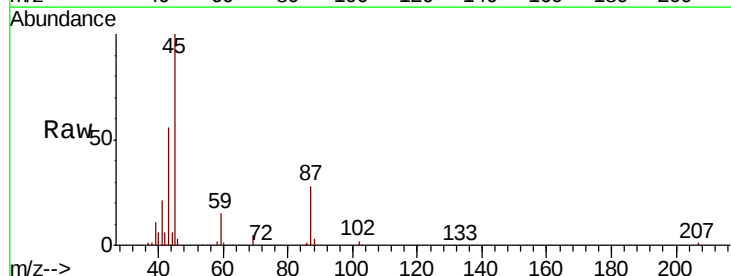
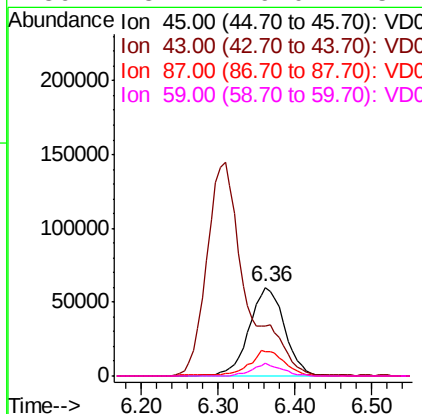
RT: 6.36 min Scan# 755

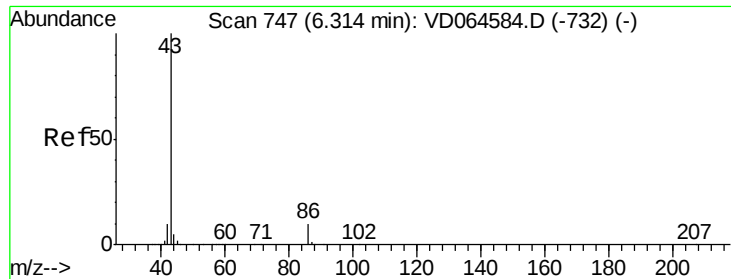
Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion:	45	Resp:	193789
Ion	Ratio	Lower	Upper
45	100		
43	54.9	43.2	64.8
87	28.1	21.9	32.9
59	15.1	9.0	13.4#





#23

Vinyl Acetate

Concen: 88.332 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 43 Resp: 509934

Ion Ratio Lower Upper

43 100

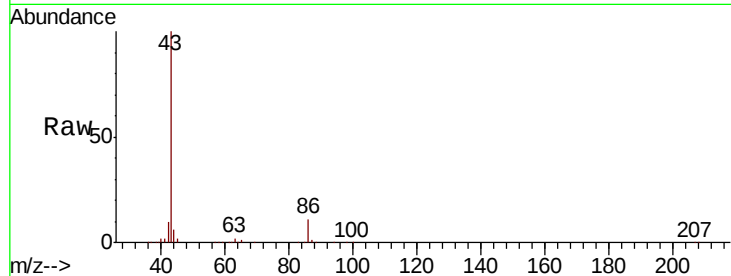
86 11.0 8.3 12.5

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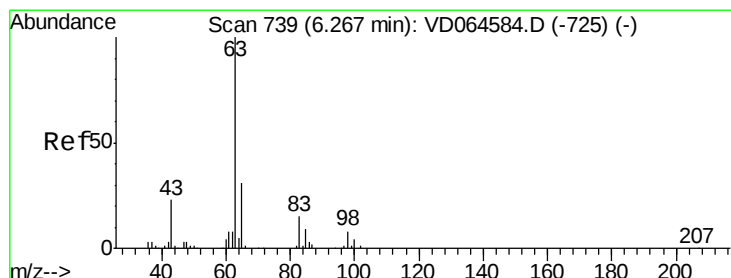
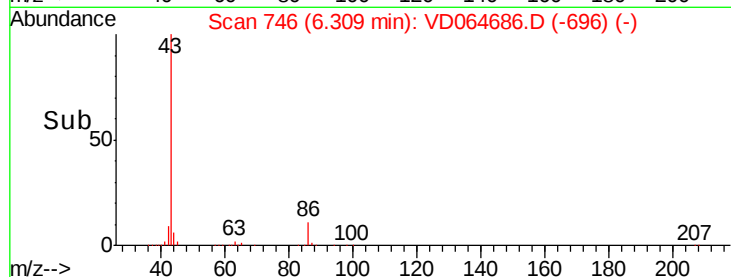
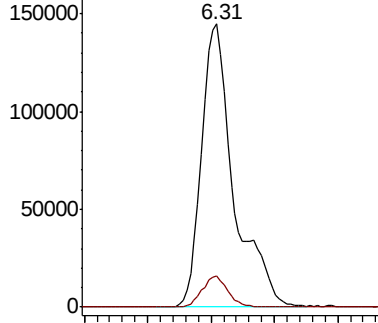
apatel

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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: 20.419 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

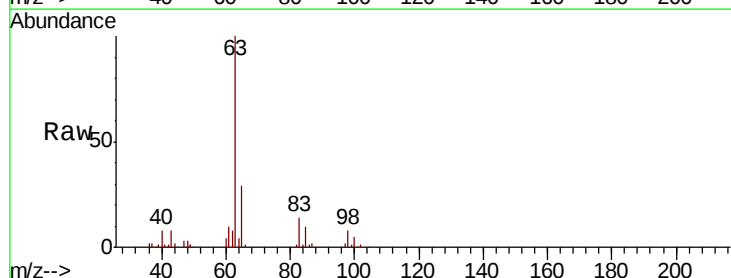
Tgt Ion: 63 Resp: 124746

Ion Ratio Lower Upper

63 100

98 7.6 4.1 12.3

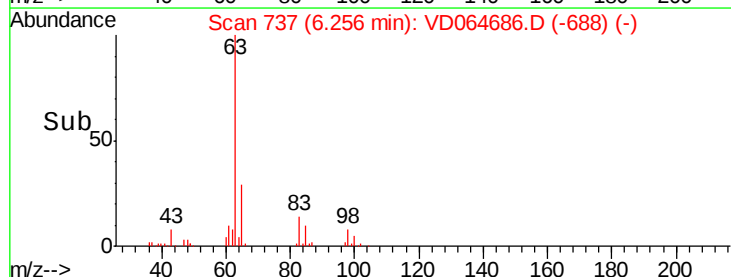
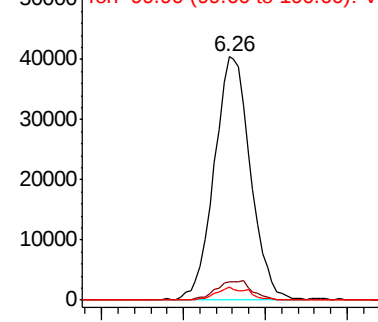
100 5.4 2.2 6.6

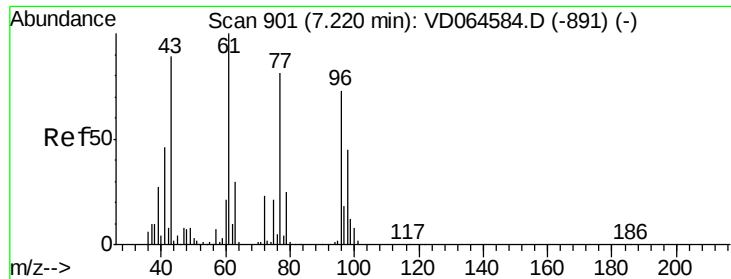


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





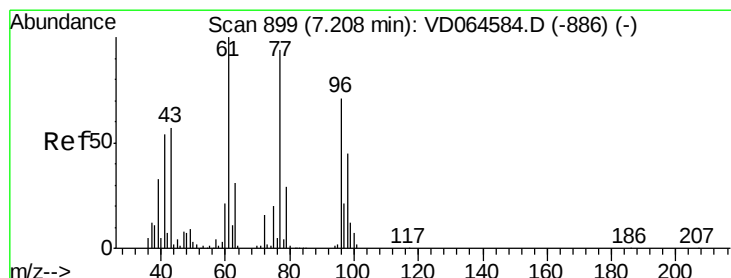
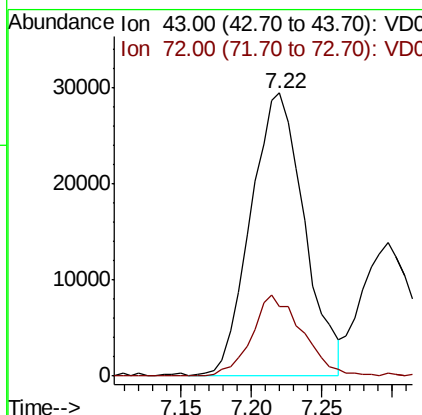
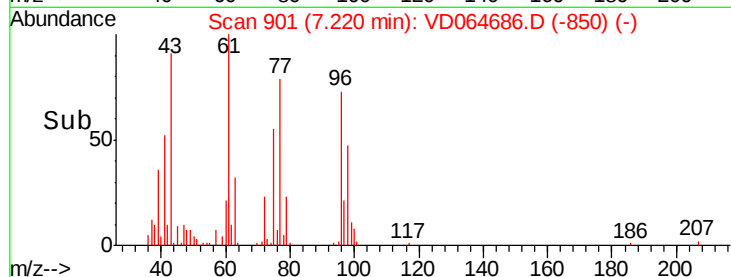
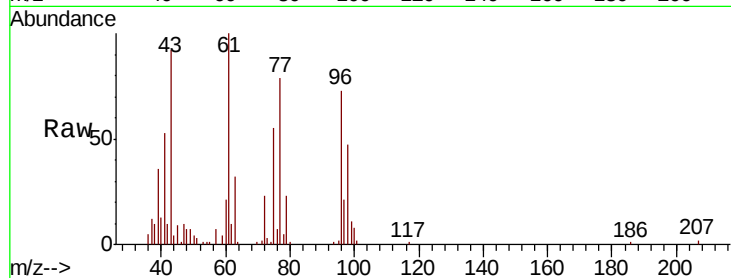
#25
2-Butanone
Concen: 87.291 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion: 43 Resp: 78699
Ion Ratio Lower Upper
43 100
72 24.8 20.7 31.1

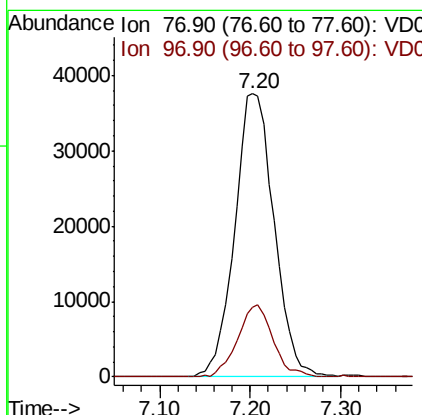
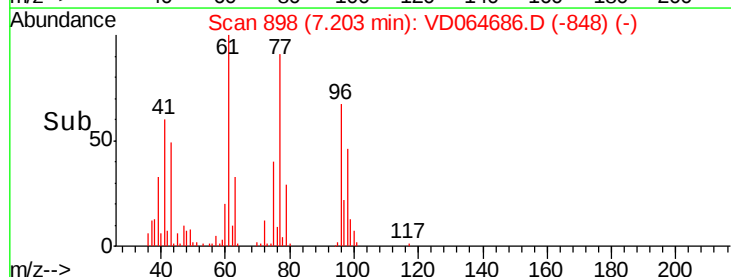
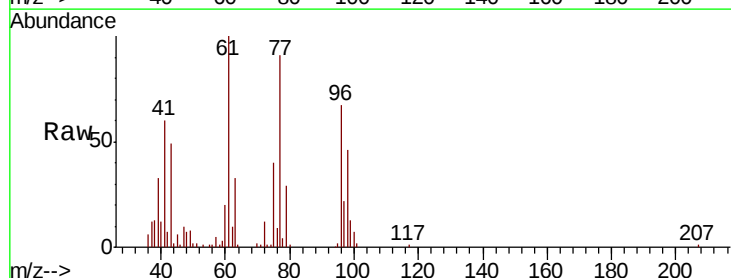
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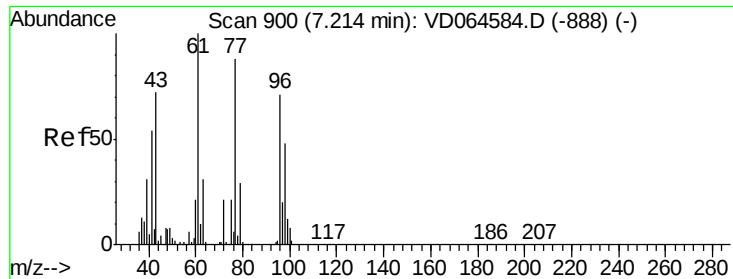
apatel
1/2/2020 10:42:55 AM



#26
2,2-Dichloropropane
Concen: 19.920 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 77 Resp: 113152
Ion Ratio Lower Upper
77 100
97 22.8 11.2 33.6





#27

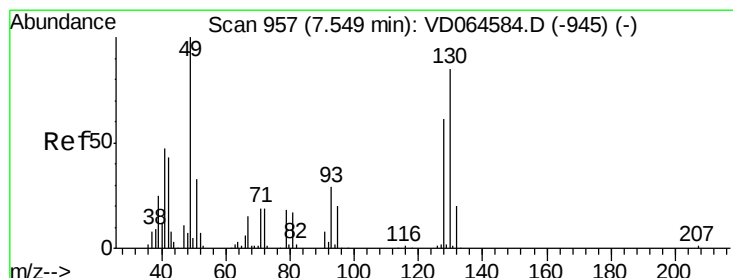
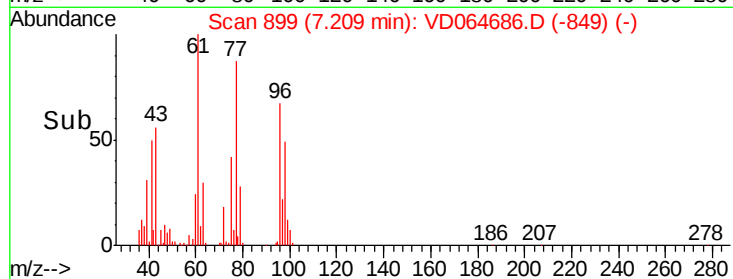
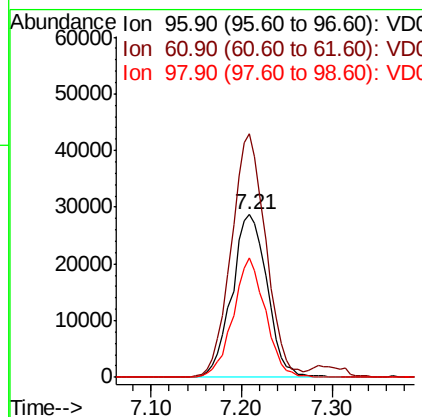
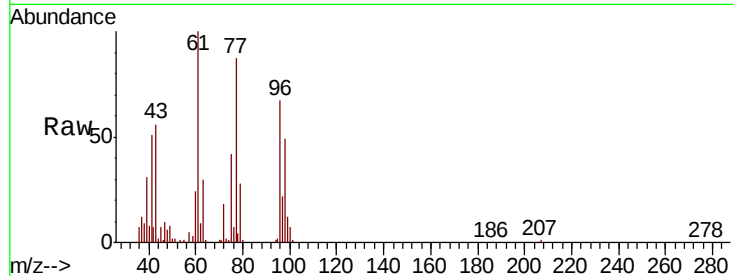
cis-1,2-Dichloroethene
 Concen: 19.304 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	282.6
98	66.9	0.0	130.8

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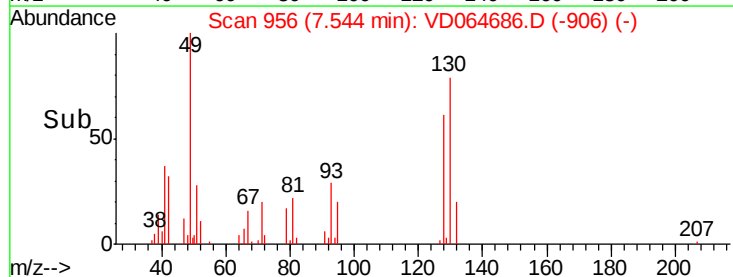
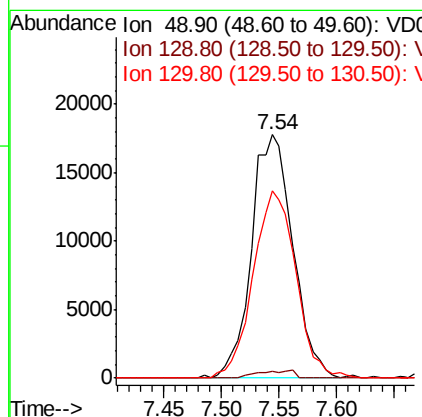
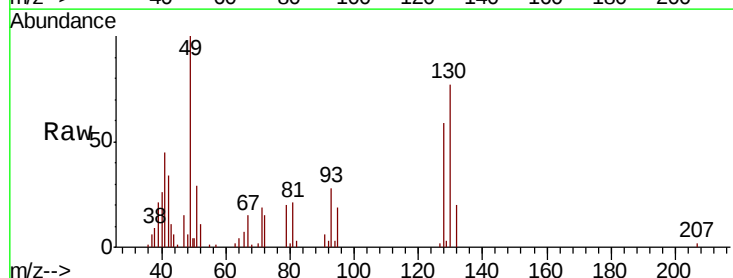
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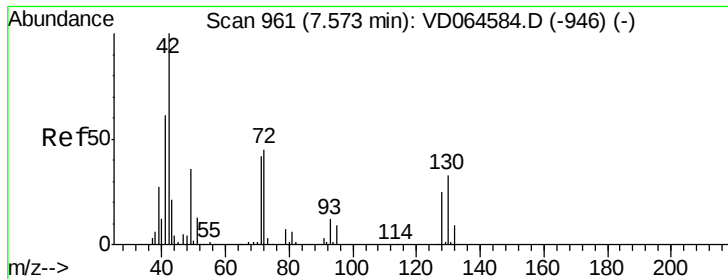


#28

Bromochloromethane
 Concen: 18.673 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.7	0.0	4.8
130	79.6	65.0	97.6





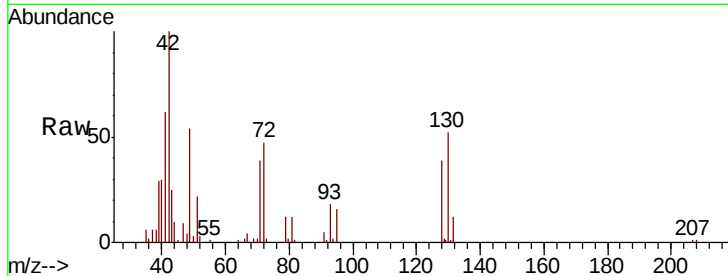
#29
Tetrahydrofuran
Concen: 85.113 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

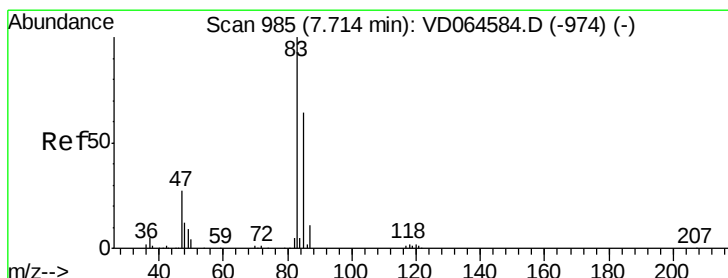
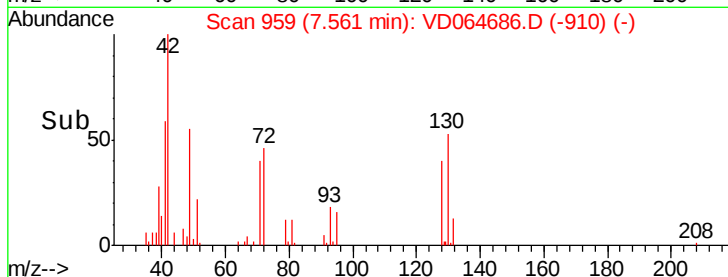
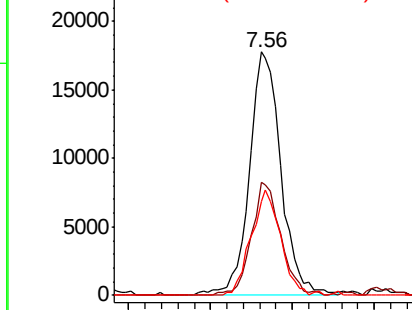
Tot Ion	Ratio	Lower	Upper
42	100		
72	43.5	35.0	52.4
71	40.2	32.9	49.3

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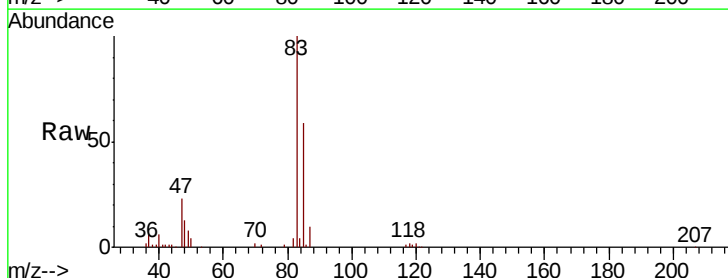


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

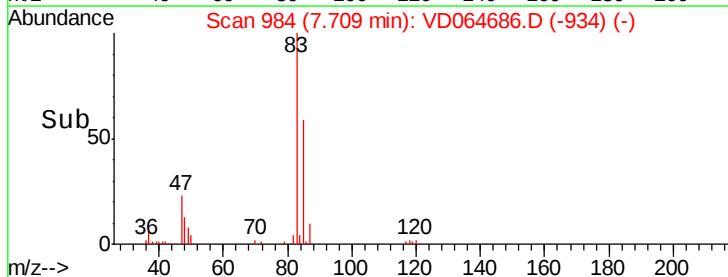
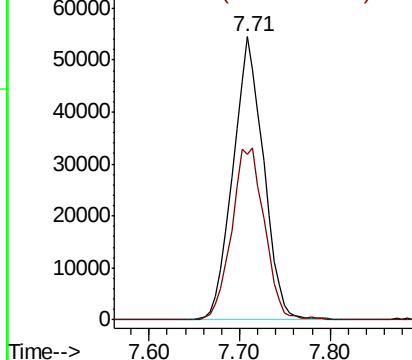


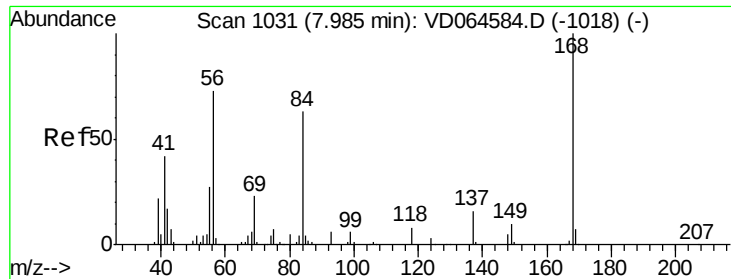
#30
Chloroform
Concen: 19.937 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.7	51.1	76.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 18.463 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 56 Resp: 112912

Ion Ratio Lower Upper

56 100

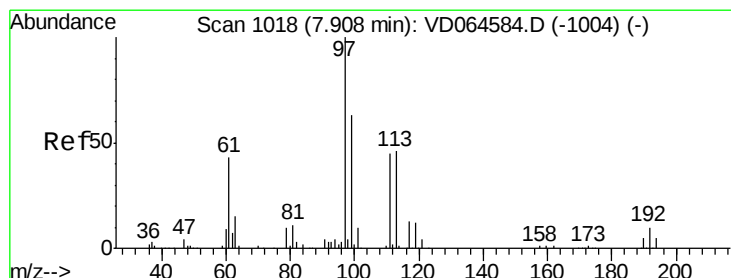
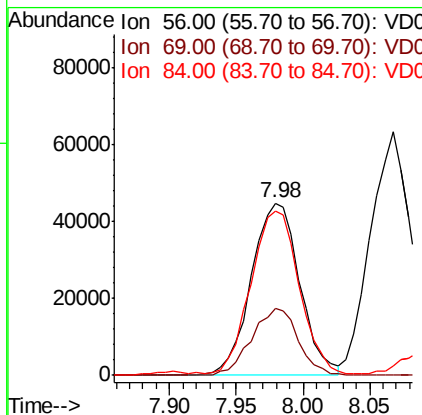
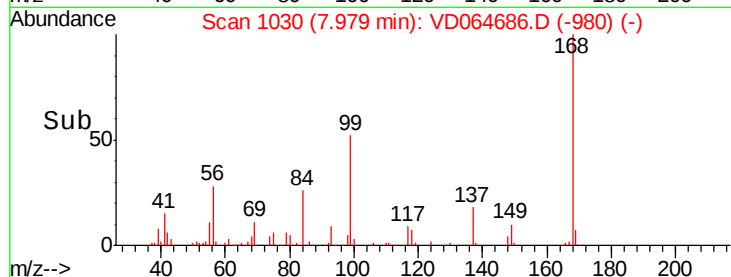
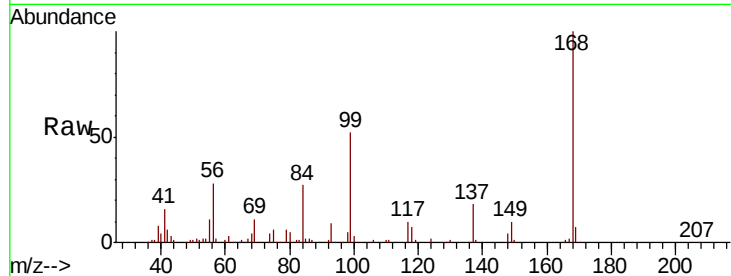
69 38.6 24.7 37.1#

84 94.1 69.4 104.2

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#32

1,1,1-Trichloroethane

Concen: 19.818 ug/l

RT: 7.90 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

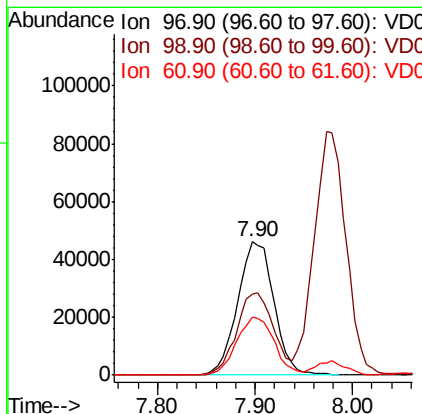
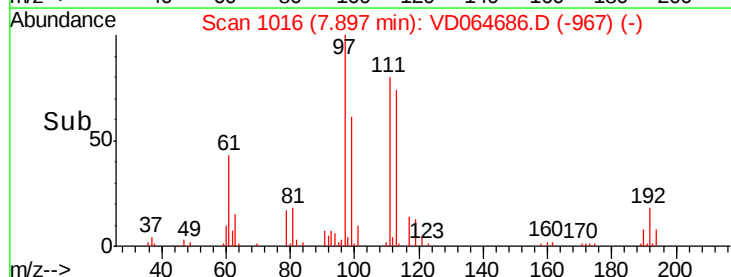
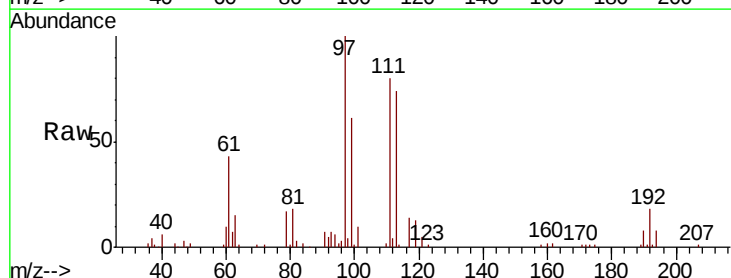
Tgt Ion: 97 Resp: 119313

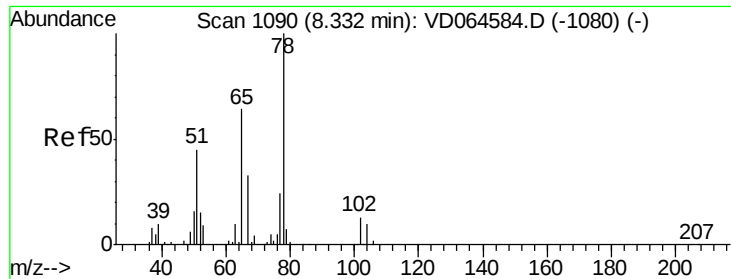
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.6

61 44.9 35.4 53.0





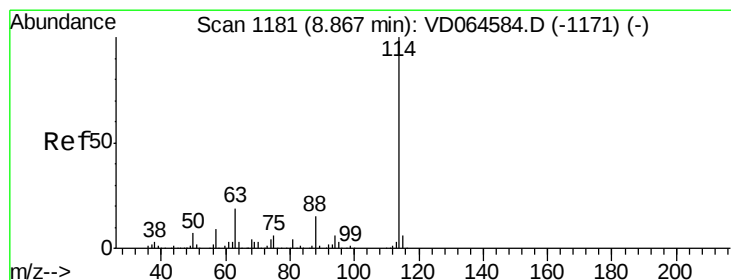
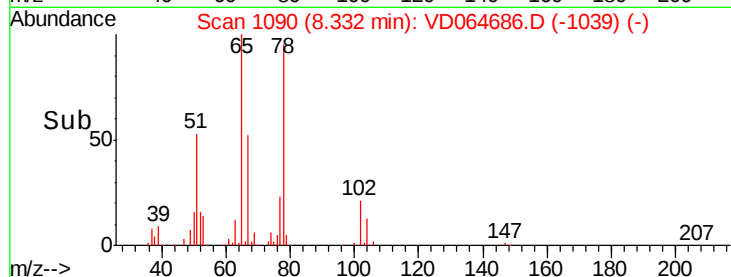
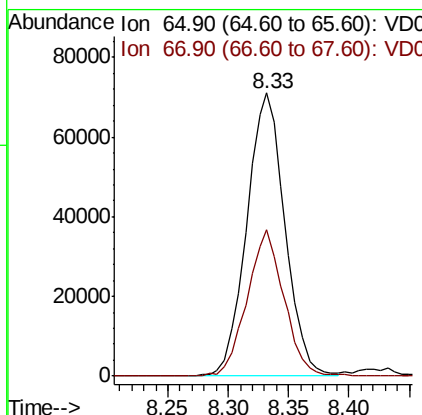
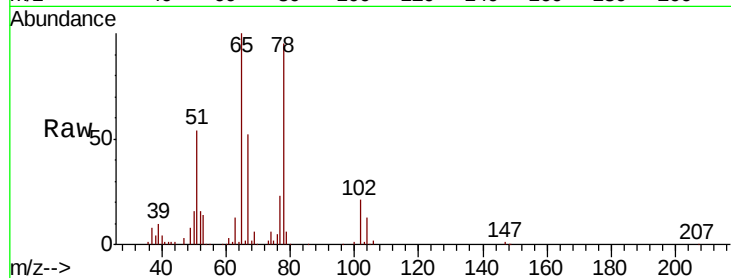
#33
 1,2-Dichloroethane-d4
 Concen: 47.764 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	156661		
67	49.9	0.0	106.2	

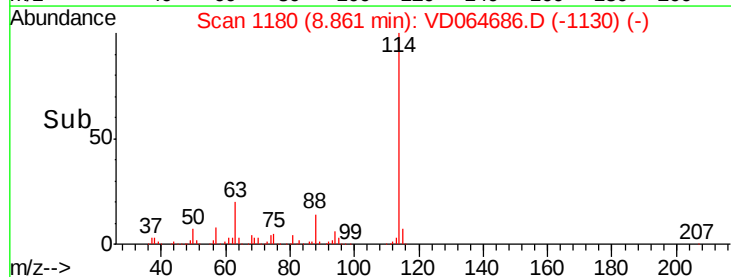
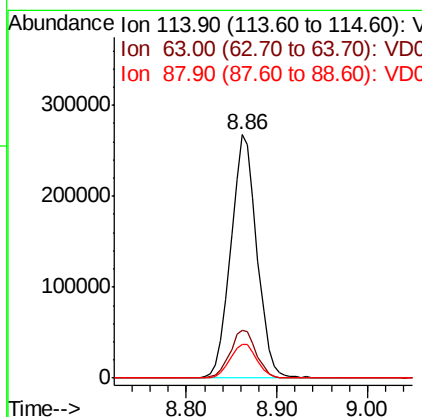
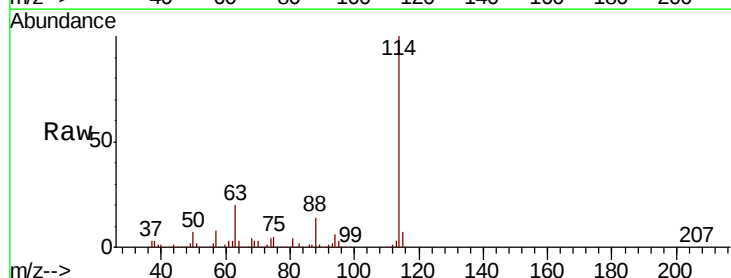
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	535176		
63	19.5	0.0	38.0	
88	13.9	0.0	29.2	





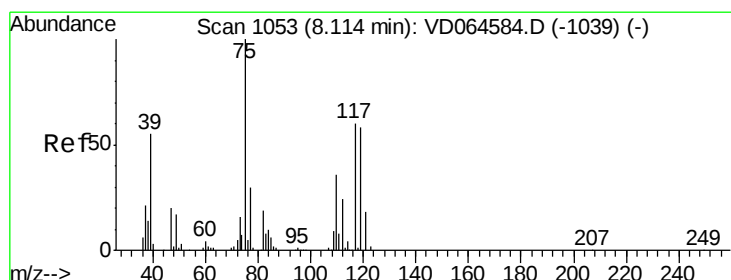
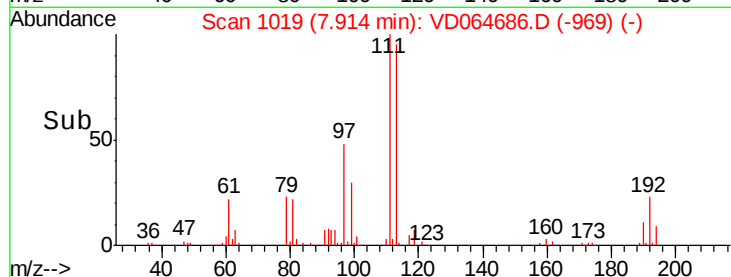
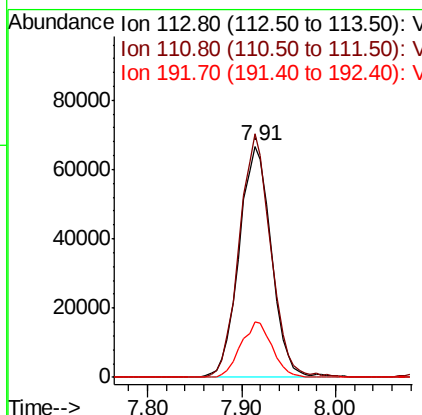
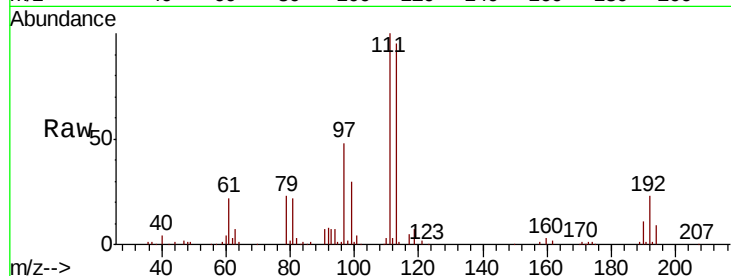
#35
 Dibromofluoromethane
 Concen: 48.326 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	158673		
111	103.2	80.6	121.0	
192	23.2	17.9	26.9	

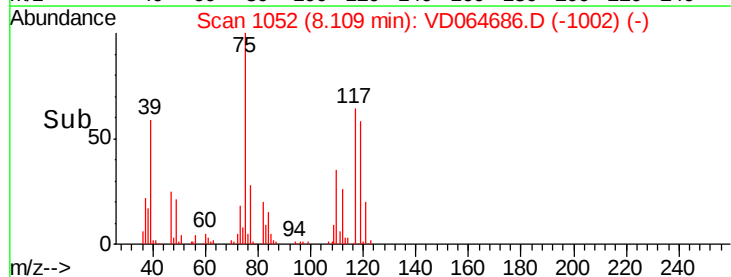
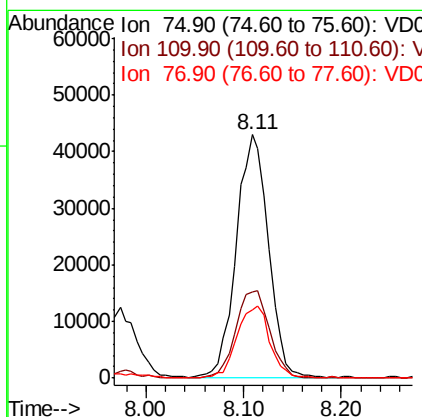
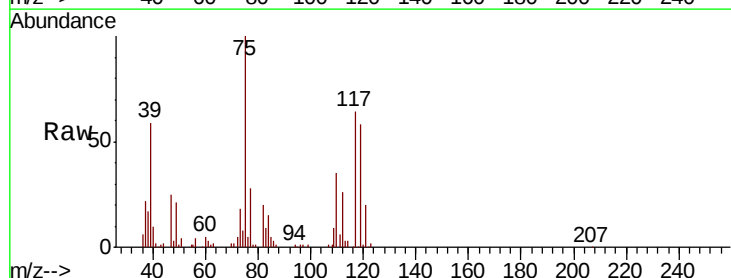
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#36
 1,1-Dichloropropene
 Concen: 19.163 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	98711		
110	37.7	18.1	54.1	
77	30.2	24.2	36.4	





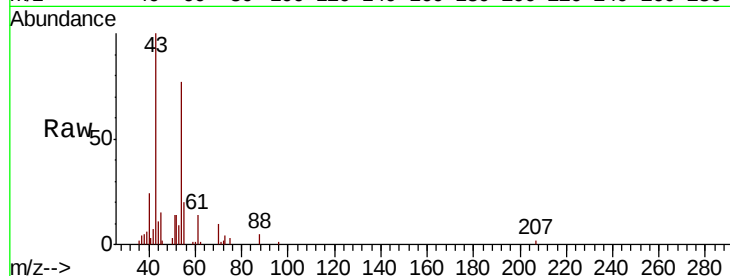
#37
Ethyl Acetate
Concen: 18.676 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.3	15.5
70	9.5	7.6	11.4

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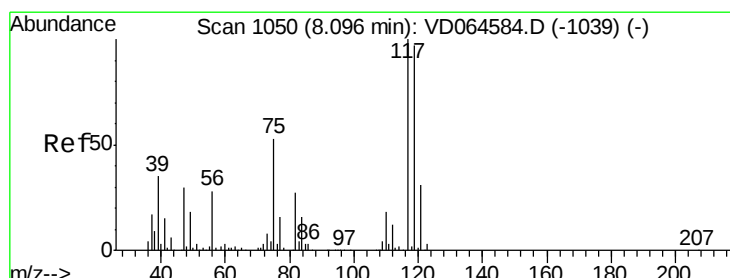
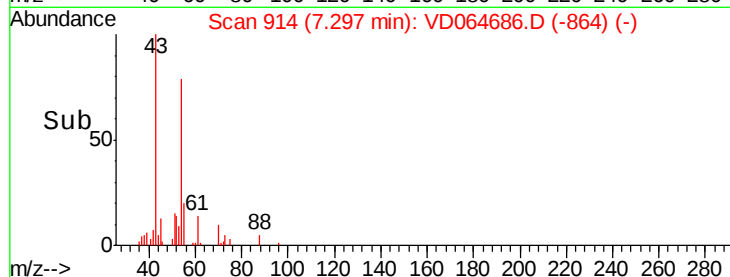
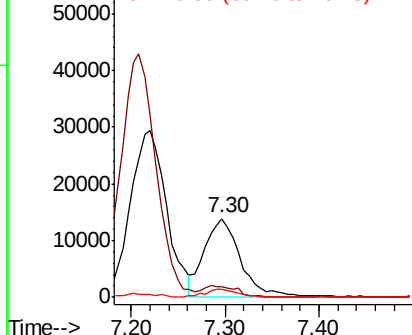


Abundance

Ion 43.00 (42.70 to 43.70): VDC

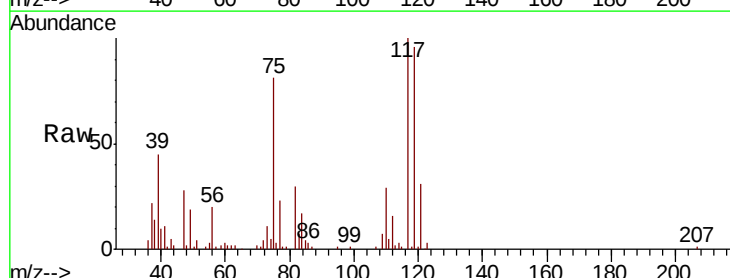
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 19.827 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.3	115.9
121	30.7	25.0	37.6

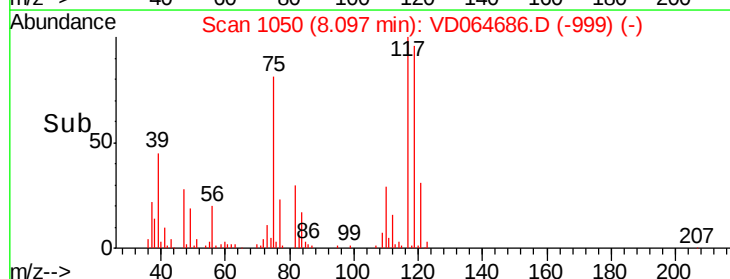
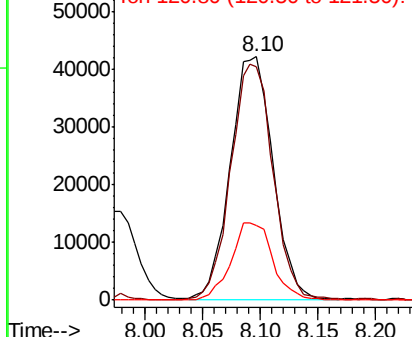


Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





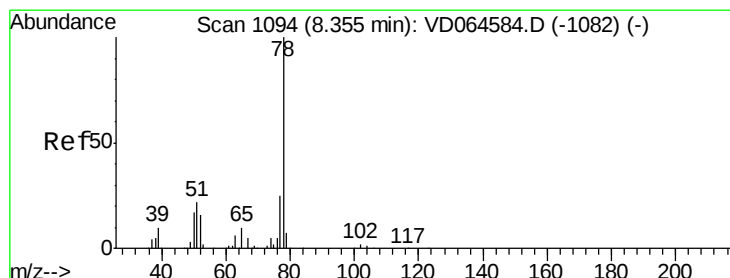
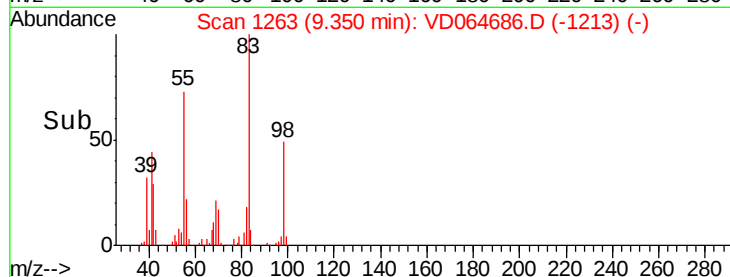
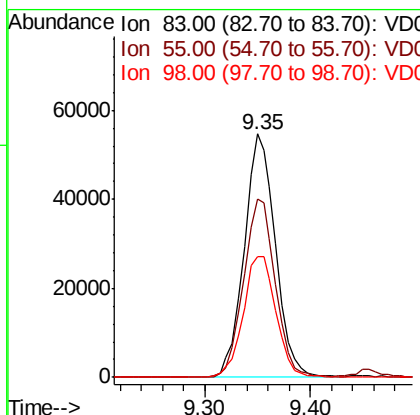
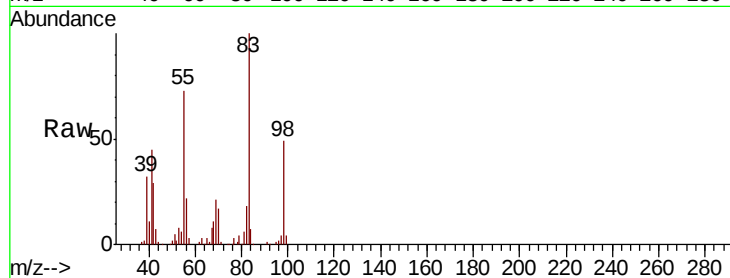
#39
Methvlcvclohexane
Concen: 18.012 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	57.8	86.6
98	49.5	38.7	58.1

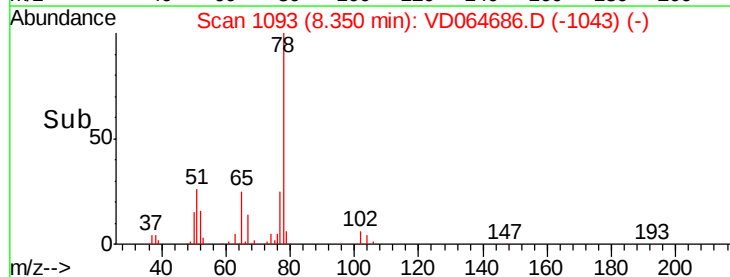
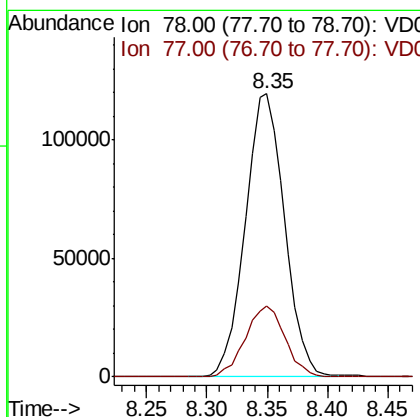
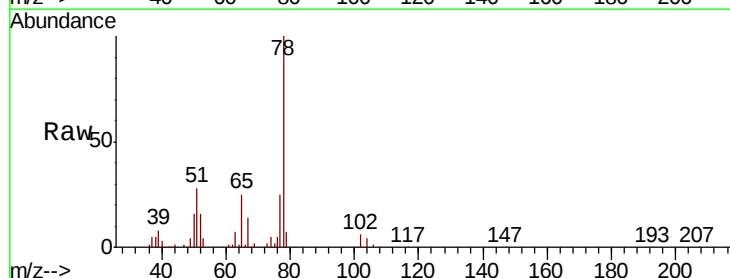
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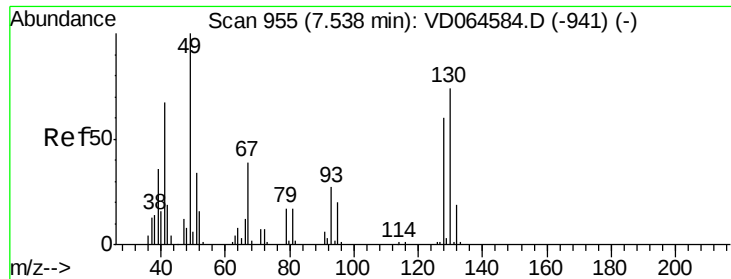
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#40
Benzene
Concen: 19.317 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.9	29.9





#41

Methacrylonitrile

Concen: 14.324 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.02 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 41 Resp: 16818

Ion Ratio Lower Upper

41 100

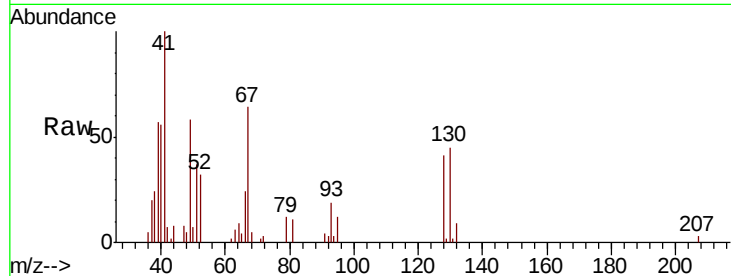
39 77.2 46.7 70.1#

67 91.1 52.5 78.7#

52 41.9 24.1 36.1#

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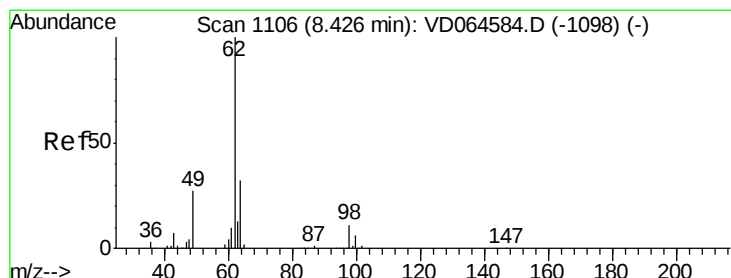
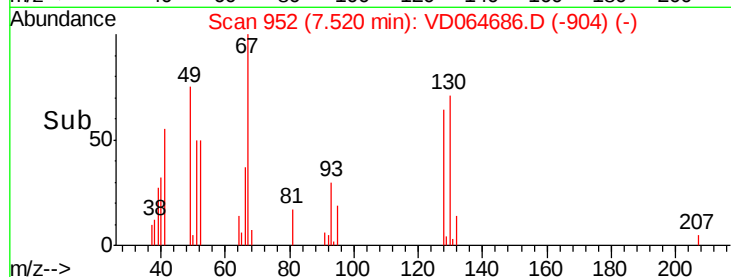
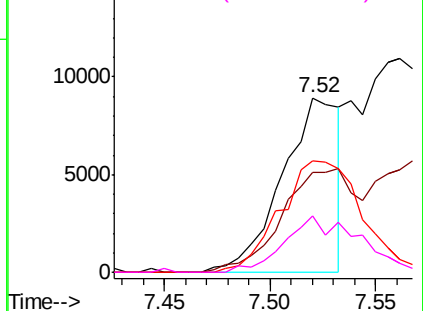


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 19.263 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD064686.D

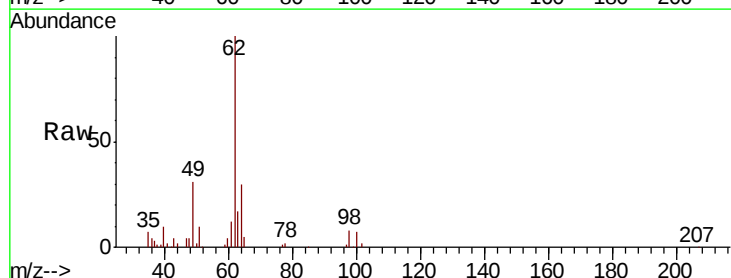
Acq: 31 Dec 2019 10:58

Tgt Ion: 62 Resp: 78274

Ion Ratio Lower Upper

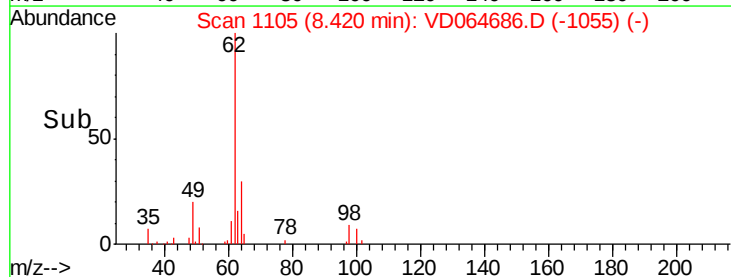
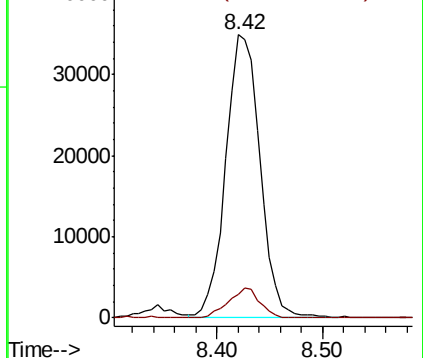
62 100

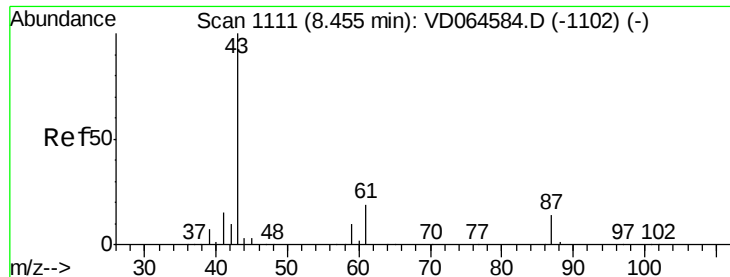
98 9.5 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 17.144 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

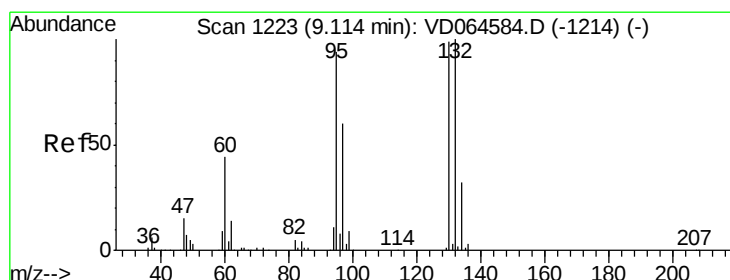
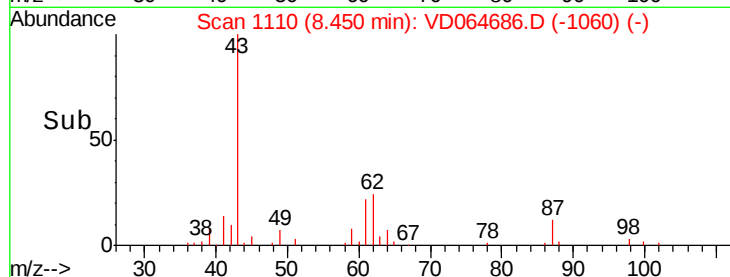
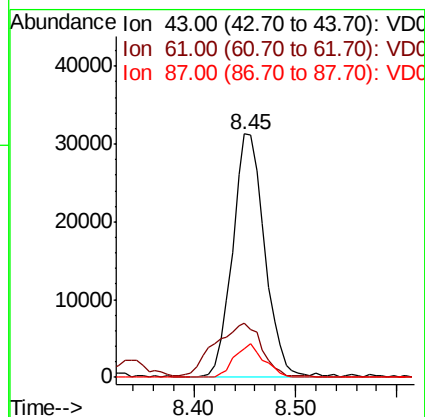
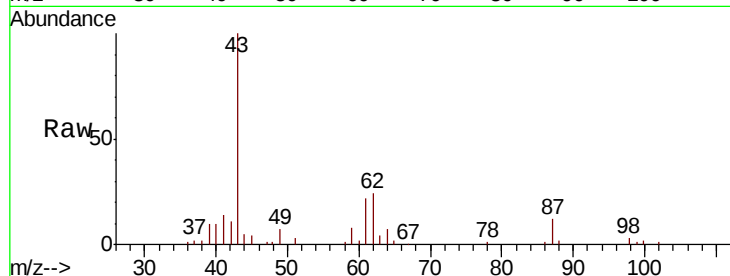
ClientSampleId :

VD1231SBS01

Tot Ion:	43	Resp:	69054
Ion	Ratio	Lower	Upper
43	100		
61	30.8	23.7	35.5
87	12.3	10.5	15.7

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#44

Trichloroethene

Concen: 19.480 ug/l

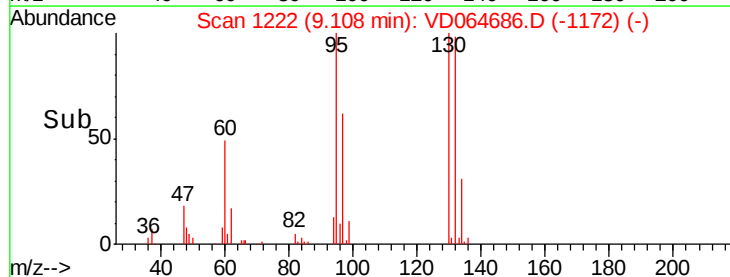
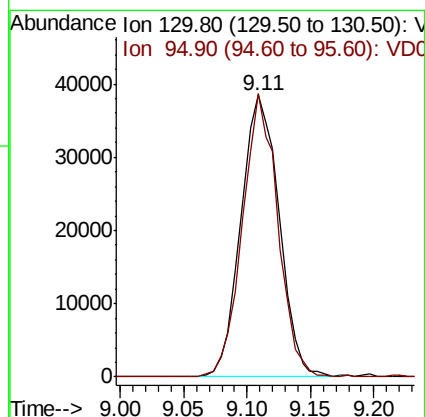
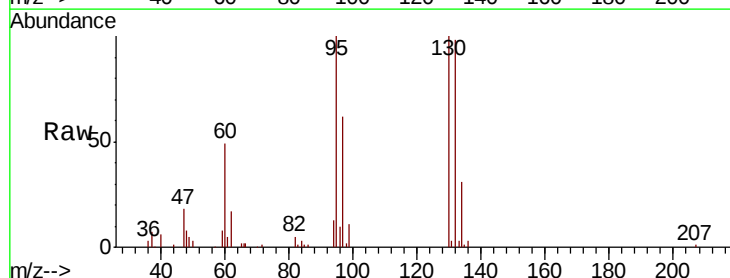
RT: 9.11 min Scan# 1222

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion:	130	Resp:	80470
Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	190.2





#45

1,2-Dichloropropane

Concen: 19.740 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 63 Resp: 66277

Ion Ratio Lower Upper

63 100

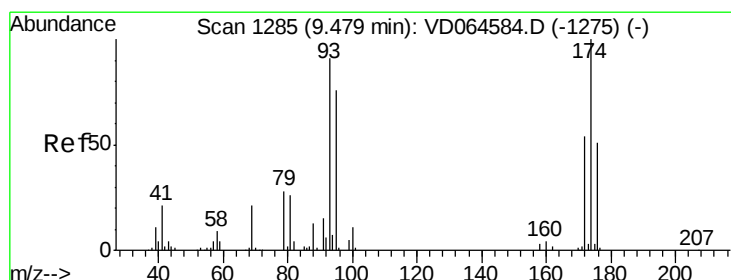
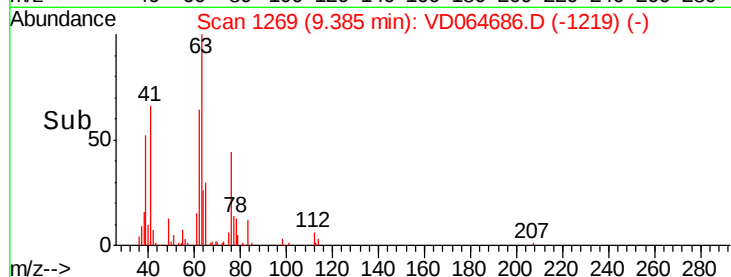
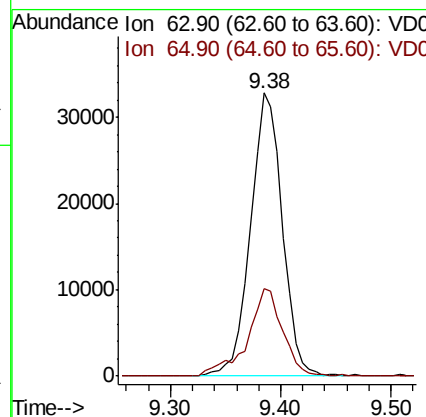
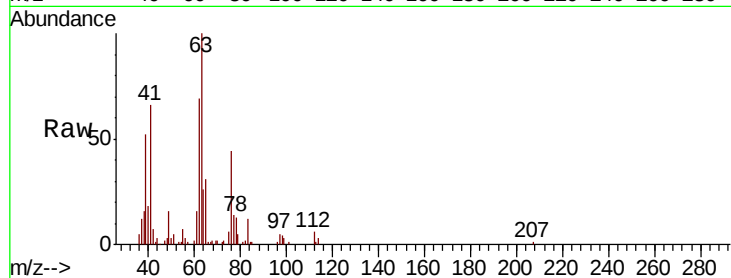
65 30.9 25.2 37.8

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#46

Dibromomethane

Concen: 17.888 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

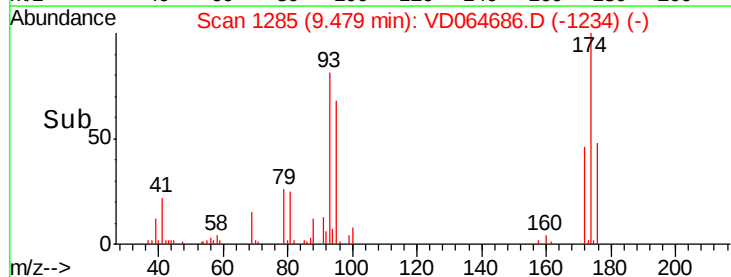
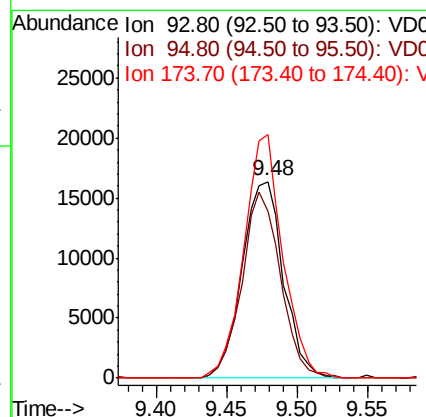
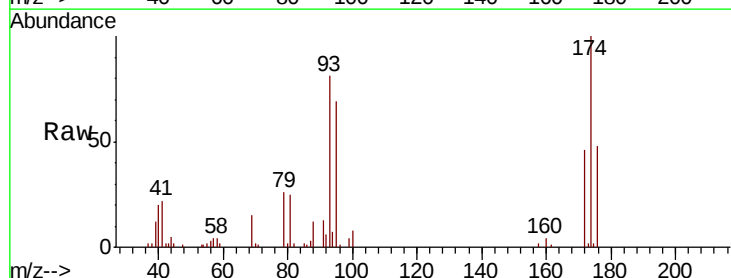
Tgt Ion: 93 Resp: 33484

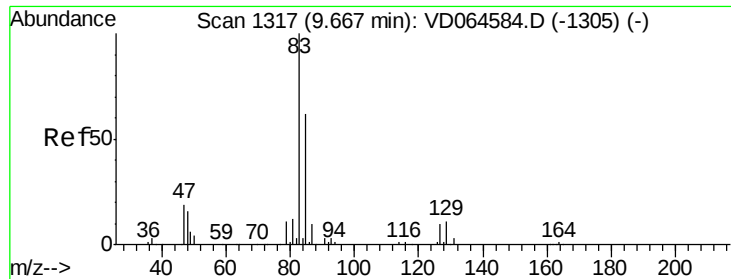
Ion Ratio Lower Upper

93 100

95 89.0 64.6 97.0

174 116.7 88.1 132.1





#47

Bromodichloromethane

Concen: 19.059 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

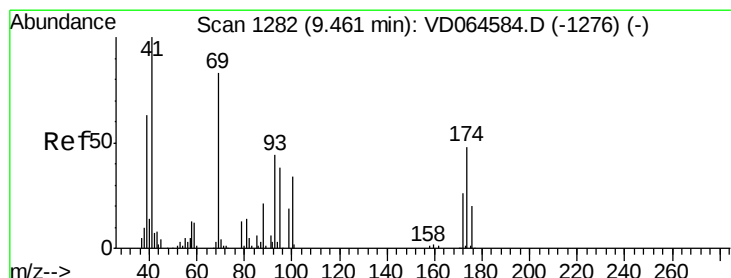
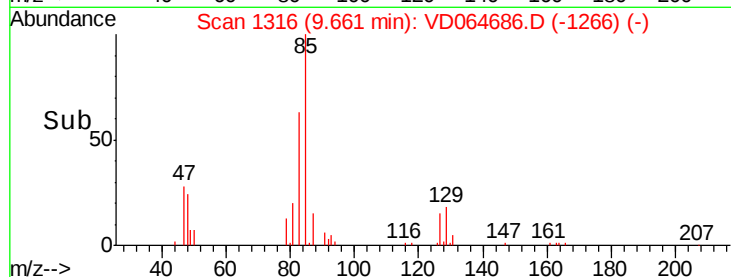
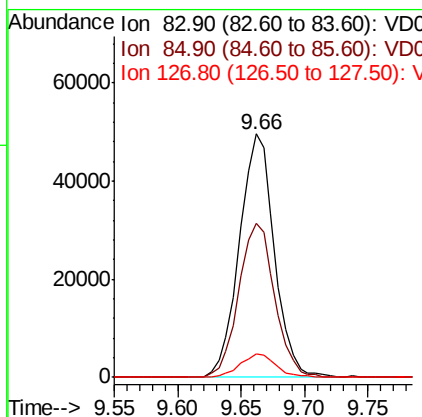
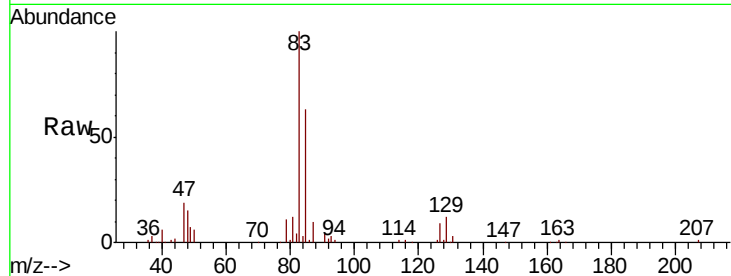
ClientSampleId :

VD1231SBS01

Tot Ion:	83	Resp:	94932
Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.5	74.3
127	9.5	7.8	11.6

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#48

Methyl methacrylate

Concen: 16.749 ug/l

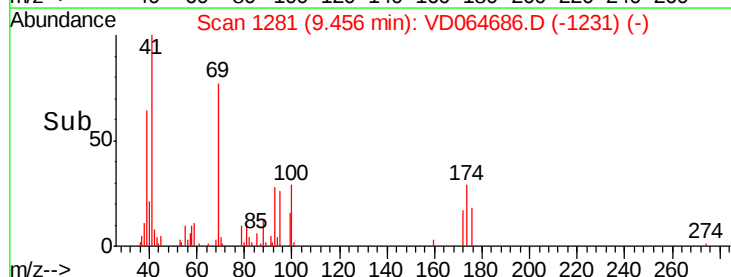
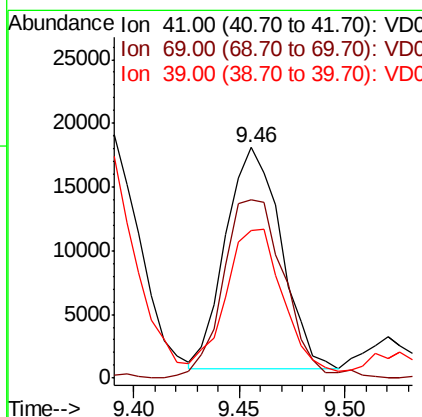
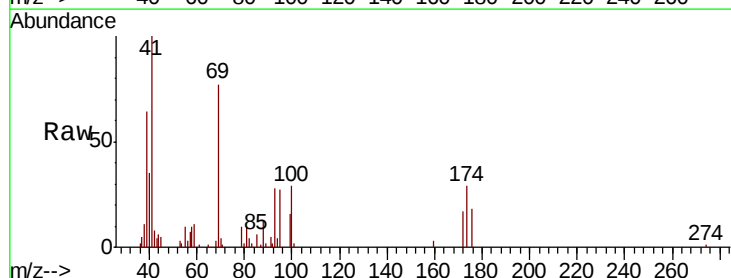
RT: 9.46 min Scan# 1281

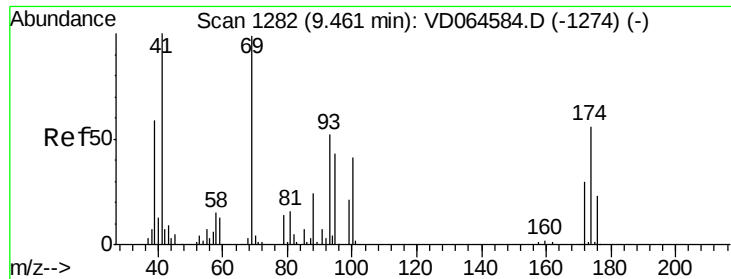
Delta R.T. -0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion:	41	Resp:	31764
Ion	Ratio	Lower	Upper
41	100		
69	89.1	63.0	94.6
39	70.1	47.4	71.2





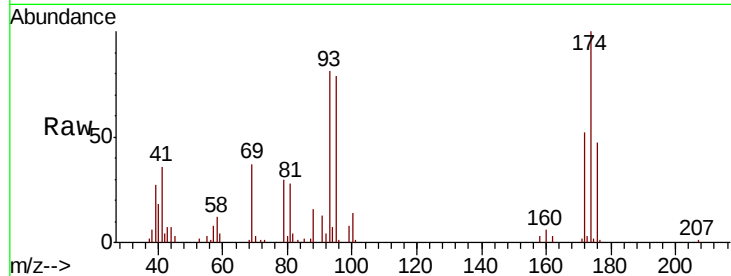
#49
1,4-Dioxane
Concen: 341.825 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

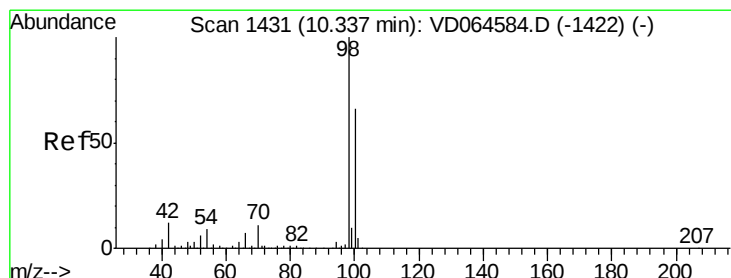
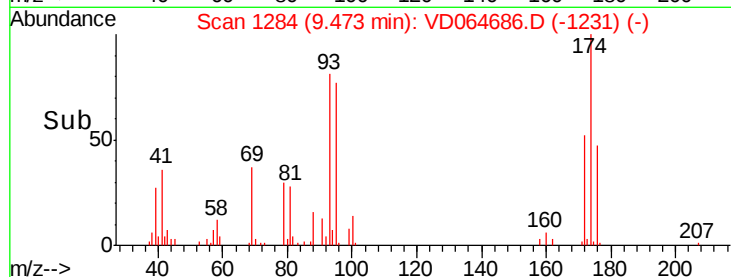
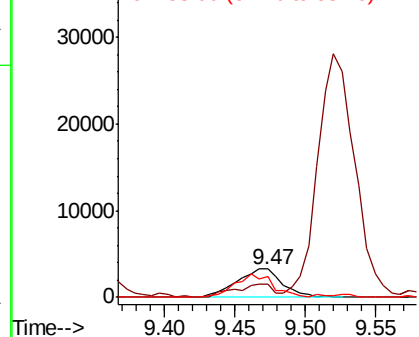
Tot Ion: 88 Resp: 7378
Ion Ratio Lower Upper
88 100
43 37.4 27.7 41.5
58 68.4 53.8 80.6

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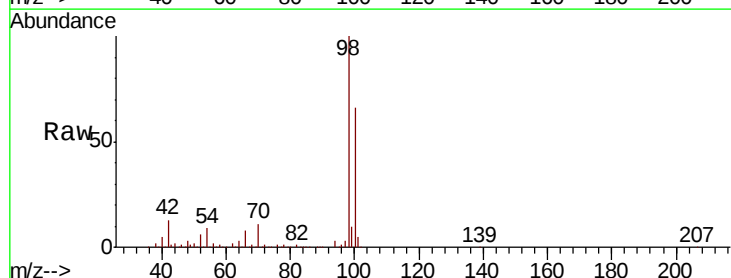


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

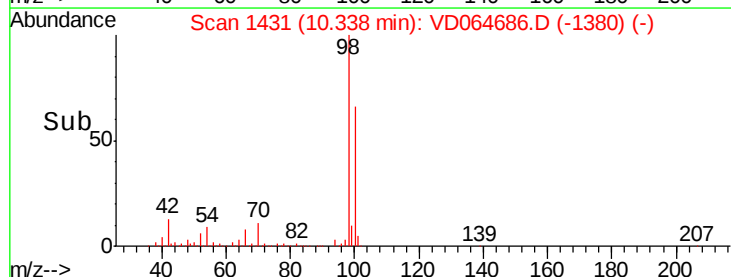
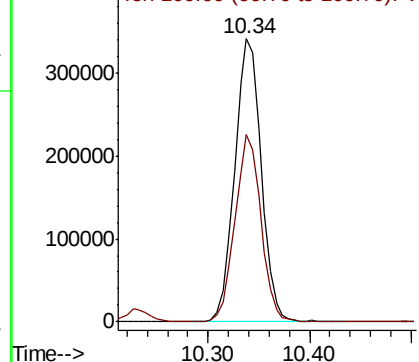


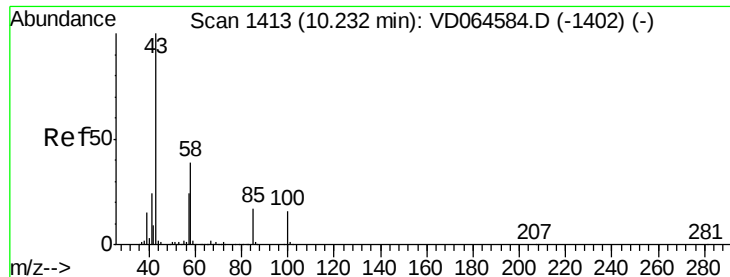
#50
Toluene-d8
Concen: 49.169 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 98 Resp: 618300
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 85.262 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 43 Resp: 169744

Ion Ratio Lower Upper

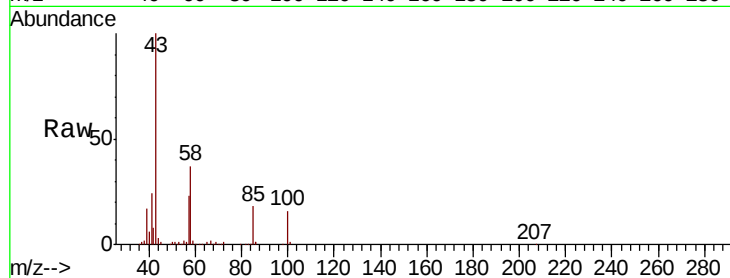
43 100

58 37.6 30.2 45.2

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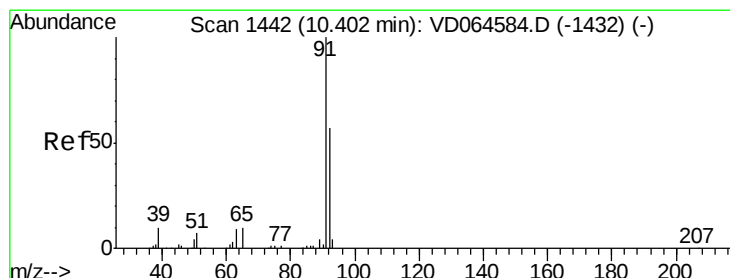
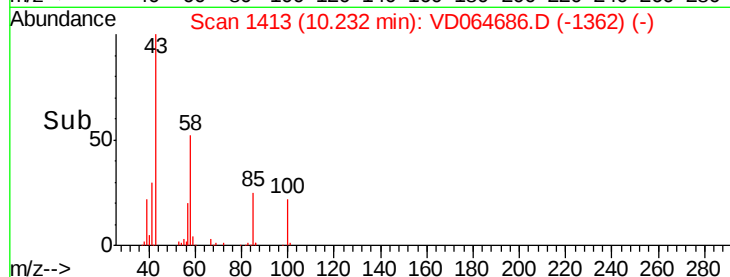
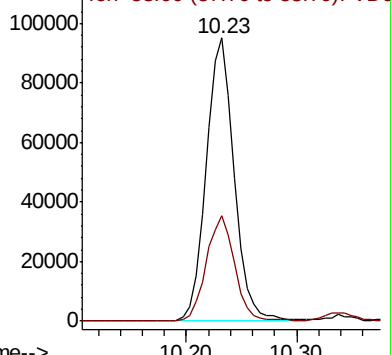
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.740 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064686.D

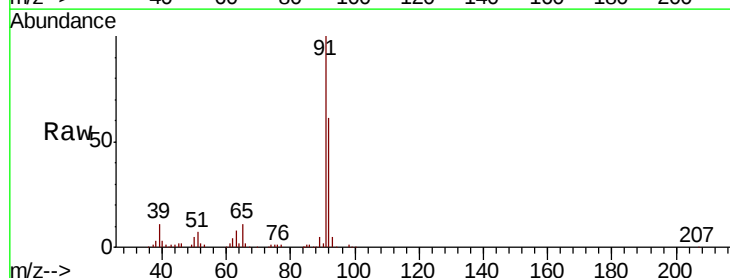
Acq: 31 Dec 2019 10:58

Tgt Ion: 92 Resp: 182118

Ion Ratio Lower Upper

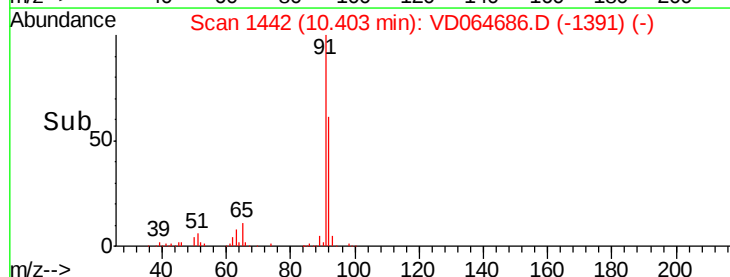
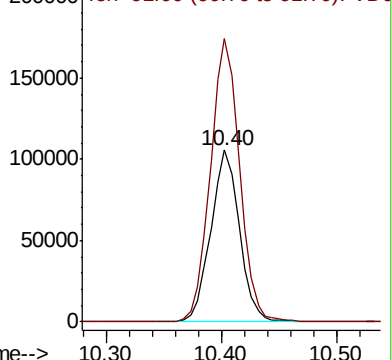
92 100

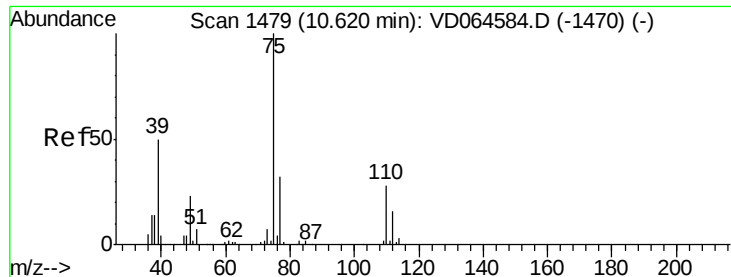
91 168.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 18.650 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 75 Resp: 86610

Ion Ratio Lower Upper

75 100

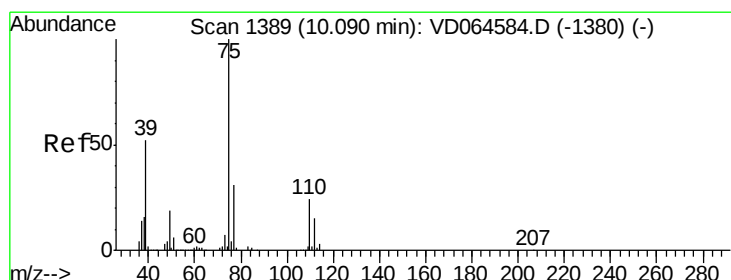
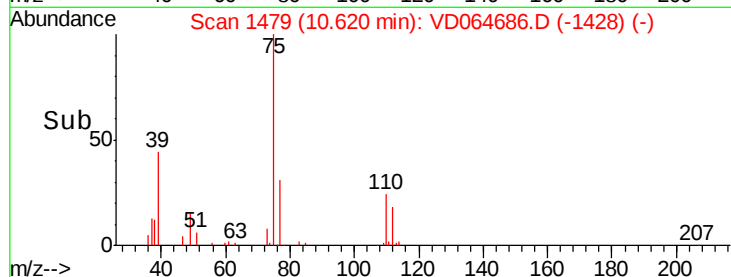
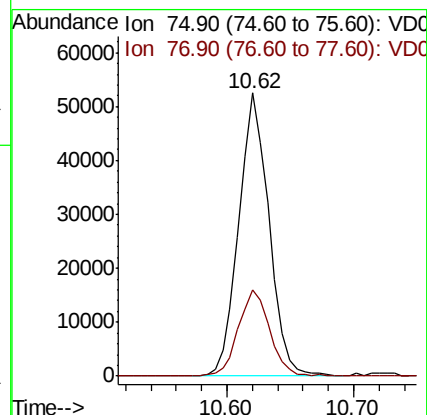
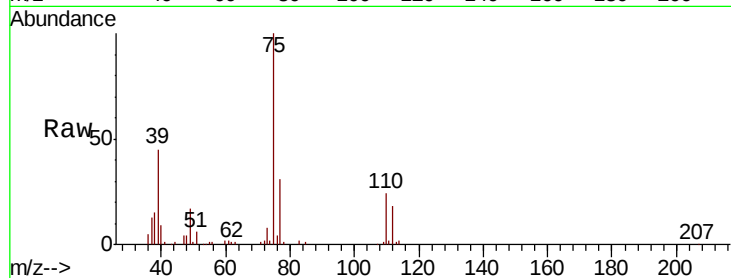
77 30.7 25.4 38.2

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#54

cis-1,3-Dichloropropene

Concen: 19.289 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

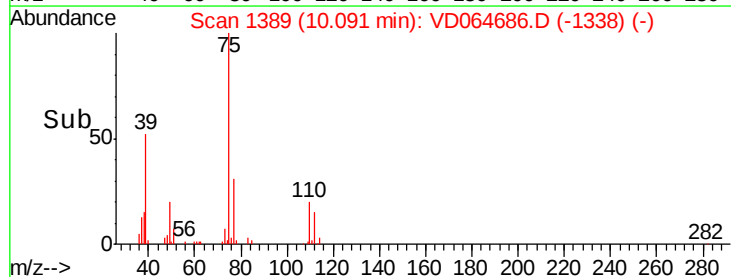
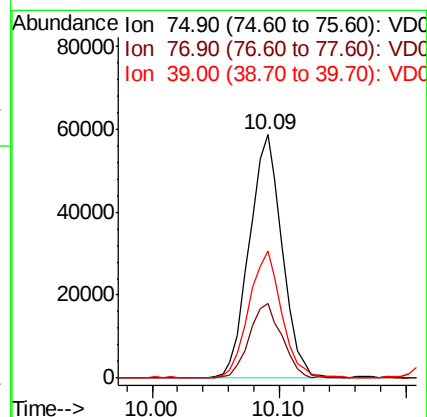
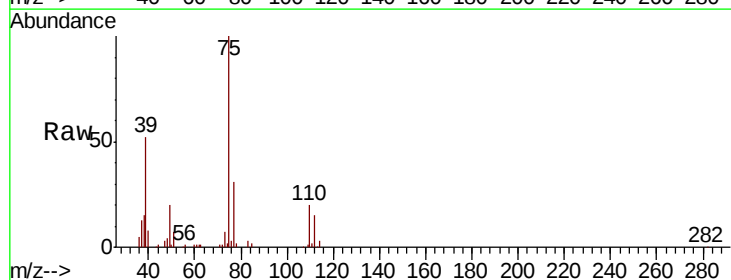
Tgt Ion: 75 Resp: 105622

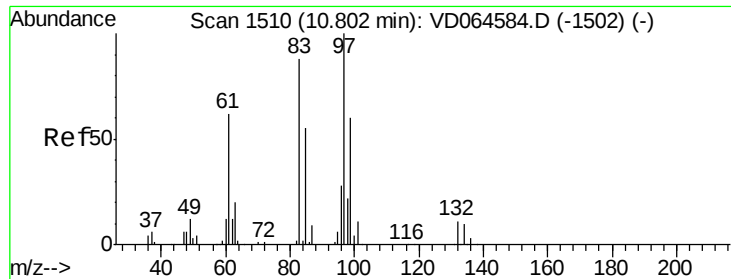
Ion Ratio Lower Upper

75 100

77 30.7 24.6 36.8

39 52.0 41.4 62.2





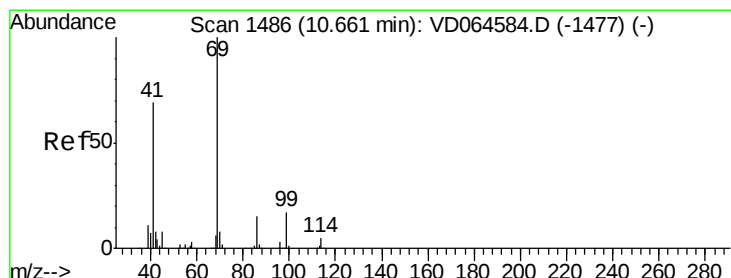
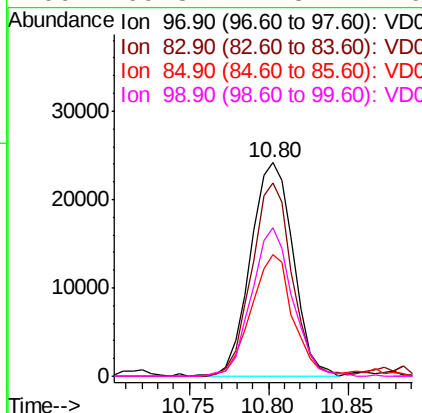
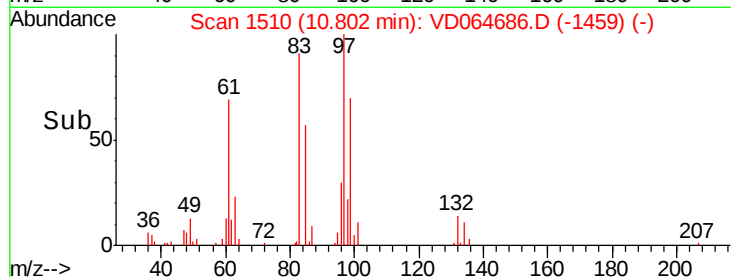
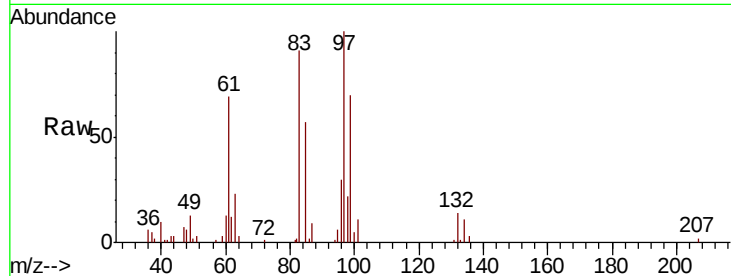
#55
 1,1,2-Trichloroethane
 Concen: 17.960 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	90.7	70.2	105.4
85	56.9	44.0	66.0
99	69.8	47.8	71.6

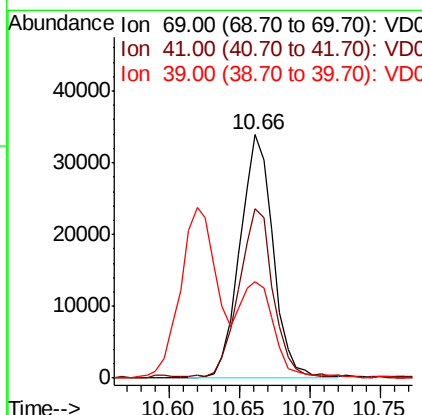
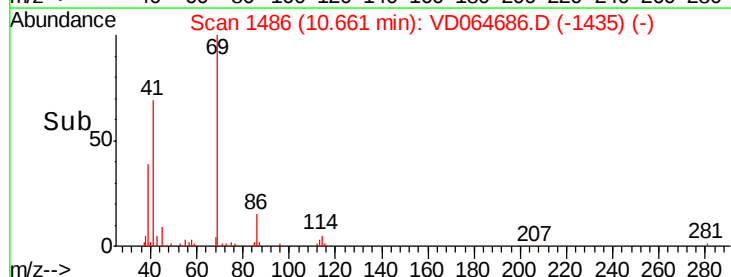
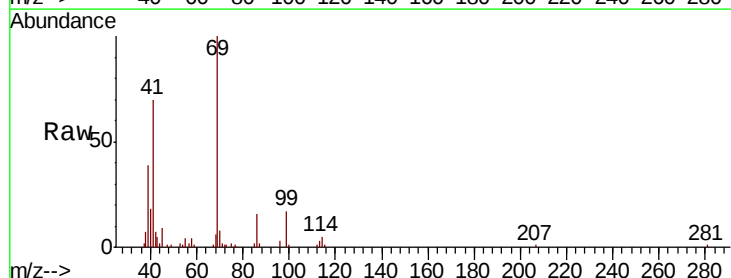
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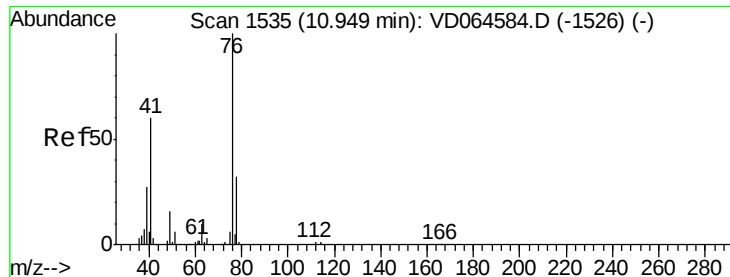
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#56
 Ethyl methacrylate
 Concen: 17.687 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.1	55.3	82.9
39	39.1	33.8	50.8





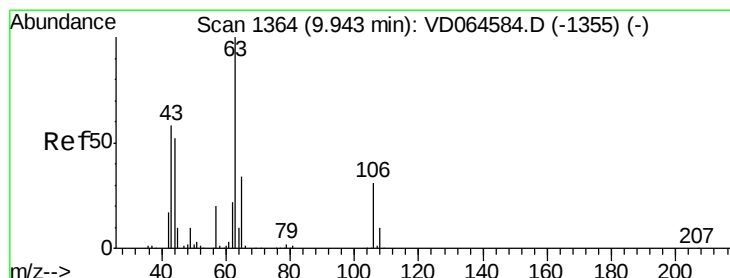
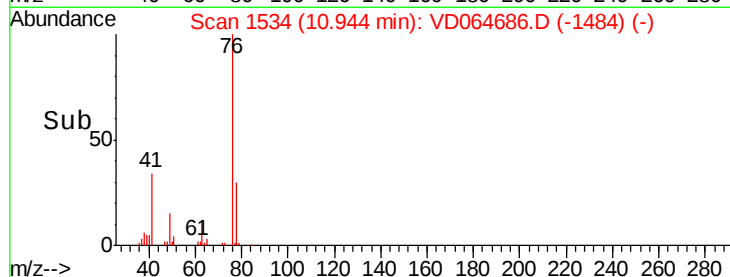
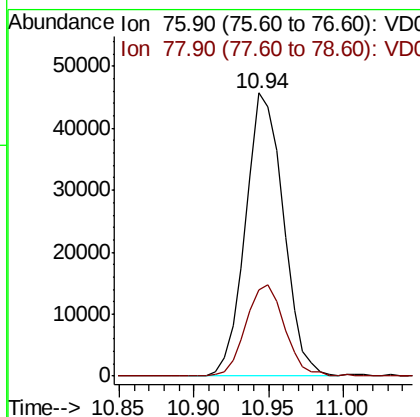
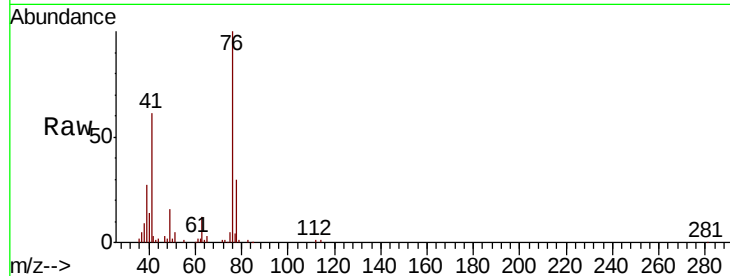
#57
 1,3-Dichloropropane
 Concen: 18.465 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion: 76 Resp: 80206
 Ion Ratio Lower Upper
 76 100
 78 33.0 26.2 39.4

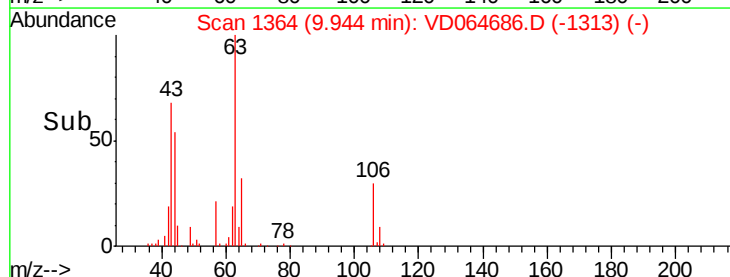
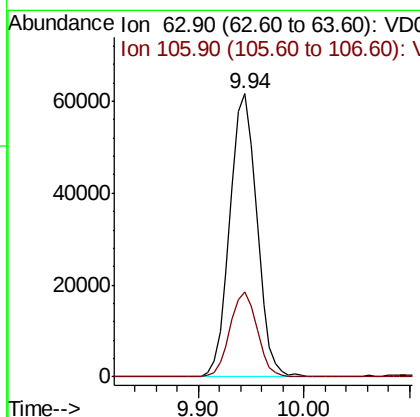
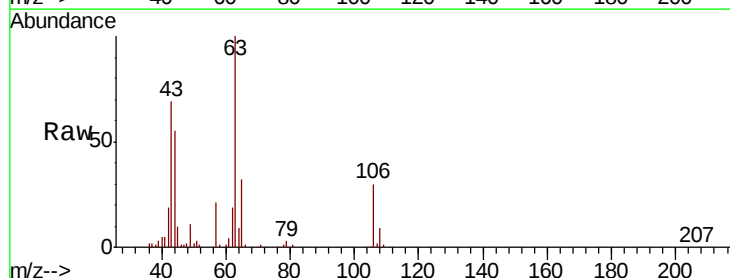
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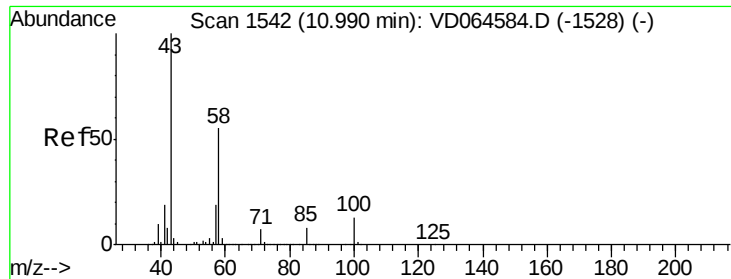
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#58
 2-Chloroethyl Vinyl ether
 Concen: 91.191 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 63 Resp: 109459
 Ion Ratio Lower Upper
 63 100
 106 30.2 23.8 35.8





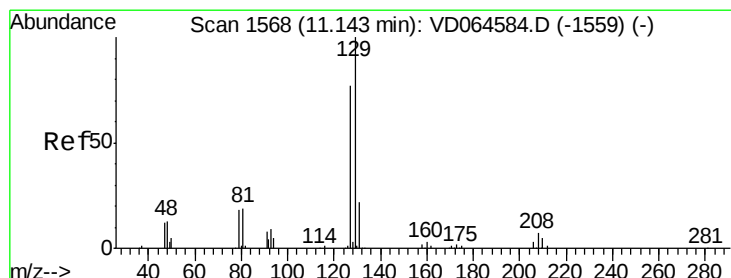
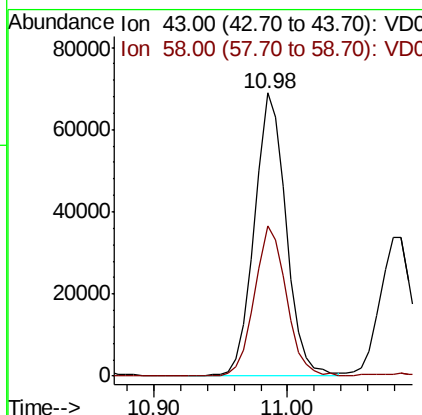
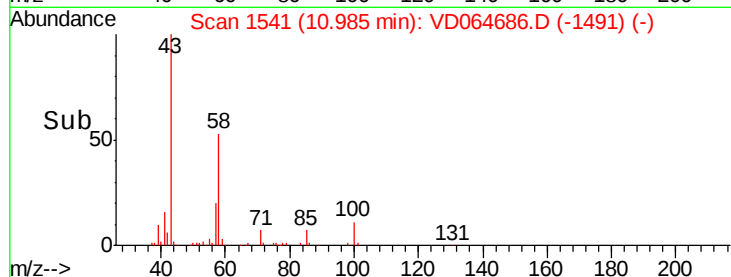
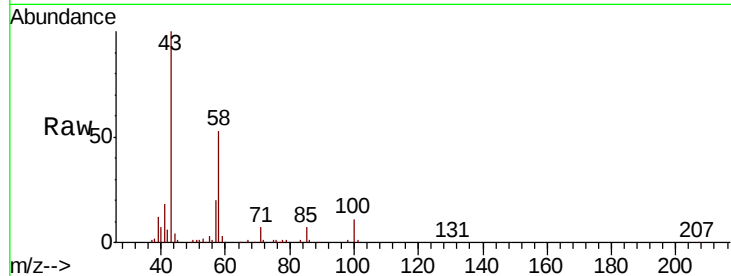
#59
2-Hexanone
Concen: 83.347 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion: 43 Resp: 112621
Ion Ratio Lower Upper
43 100
58 53.6 26.4 79.0

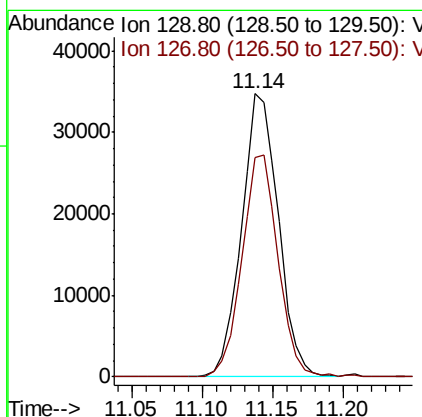
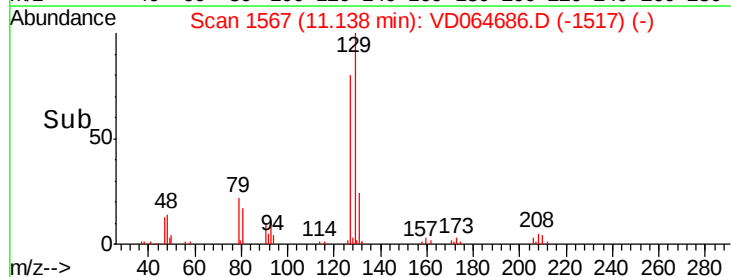
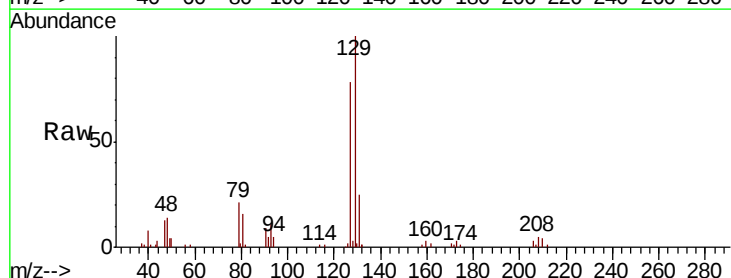
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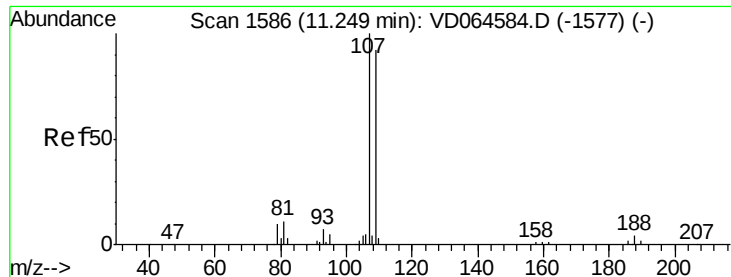
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#60
Dibromochloromethane
Concen: 18.157 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion: 129 Resp: 63340
Ion Ratio Lower Upper
129 100
127 77.0 38.4 115.2





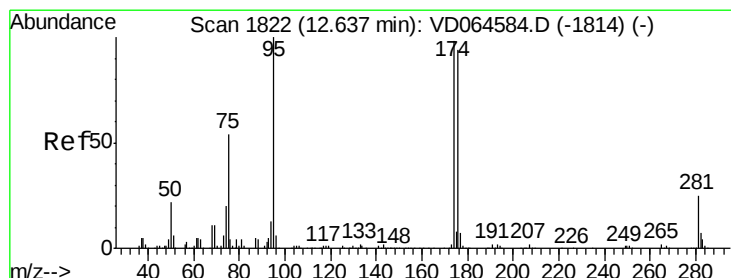
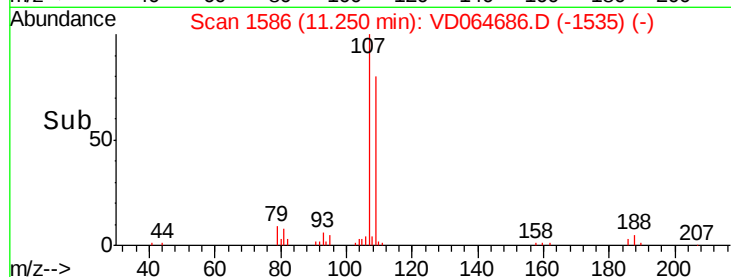
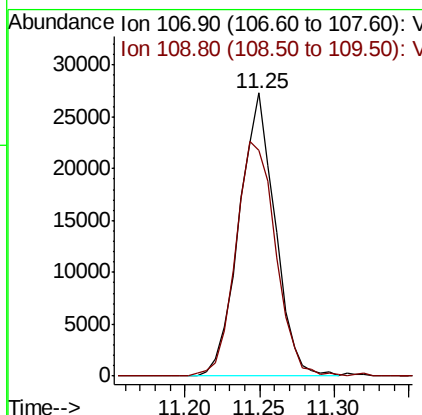
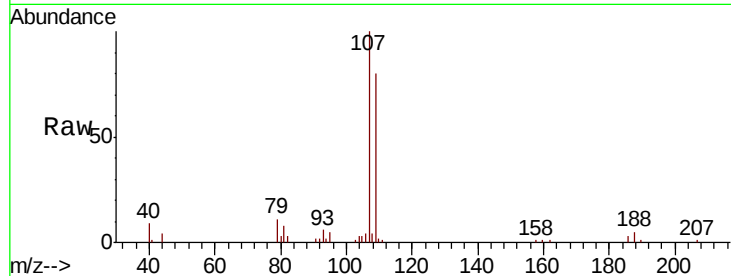
#61
 1,2-Dibromoethane
 Concen: 18.274 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion: 107 Resp: 45469
 Ion Ratio Lower Upper
 107 100
 109 92.3 75.6 113.4

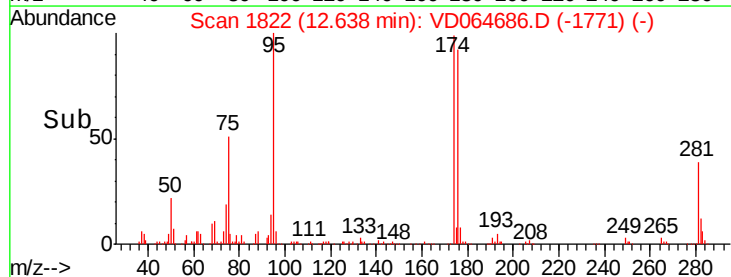
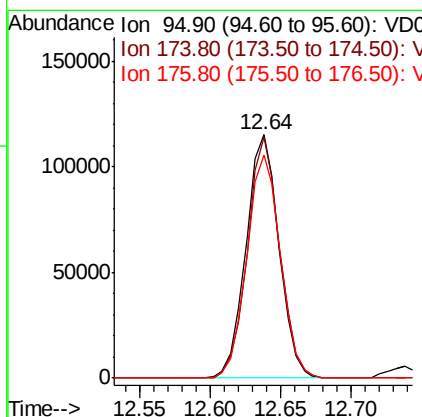
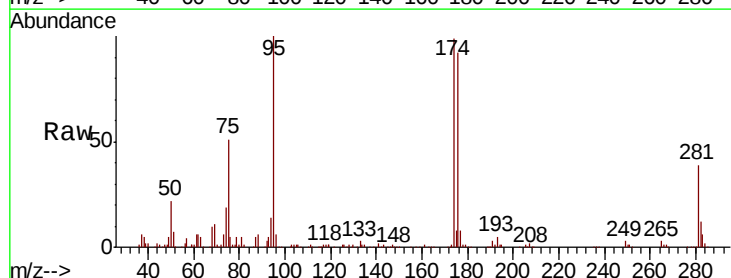
Manual Integrations
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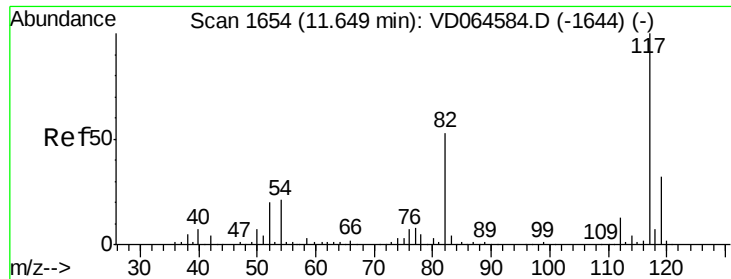
apatel
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#62
 4-Bromofluorobenzene
 Concen: 47.479 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion: 95 Resp: 188793
 Ion Ratio Lower Upper
 95 100
 174 96.6 0.0 193.2
 176 93.4 0.0 184.2





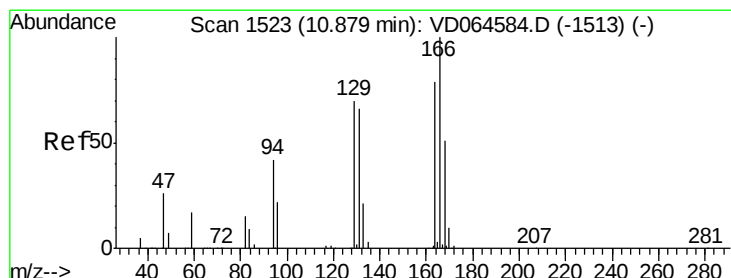
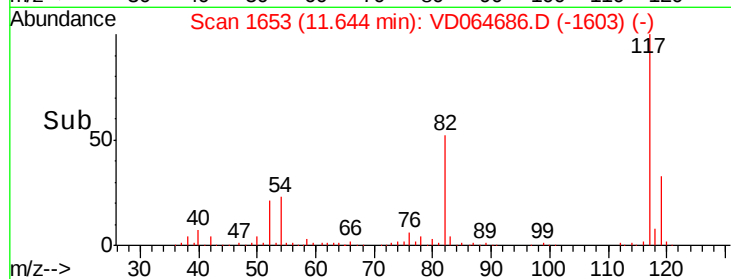
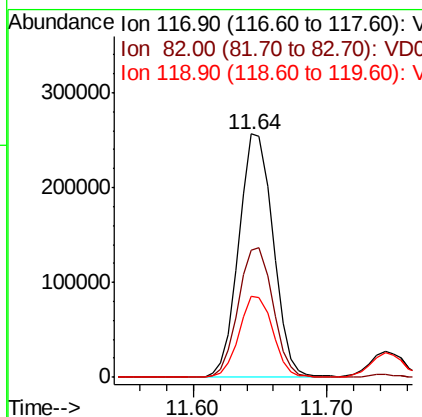
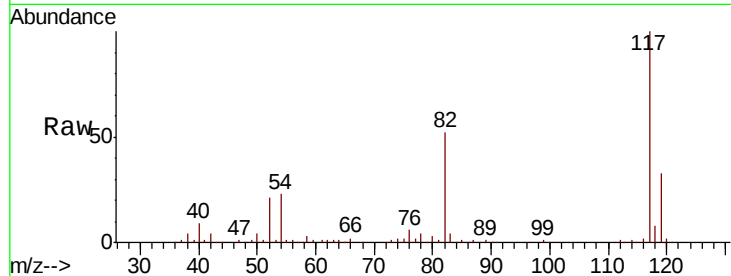
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.1	42.2	63.4
119	33.3	26.0	39.0

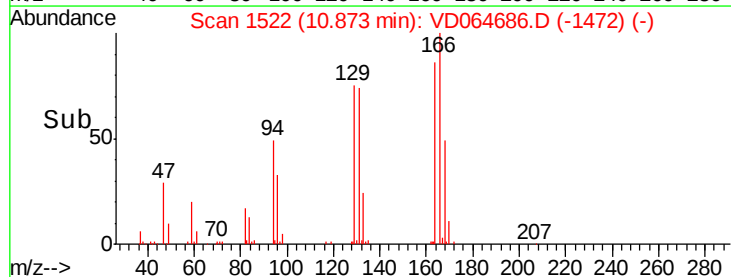
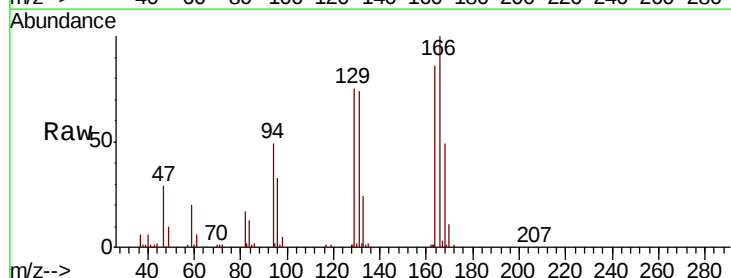
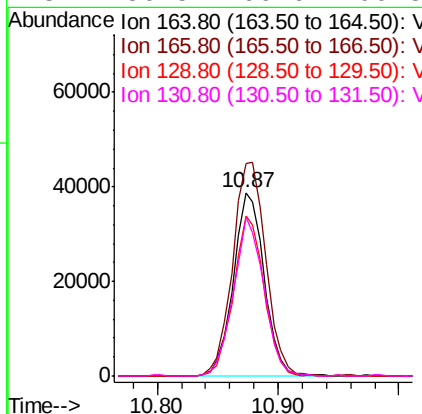
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#64
Tetrachloroethene
Concen: 19.678 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.1	101.3	151.9
129	86.9	70.5	105.7
131	86.5	66.6	99.8





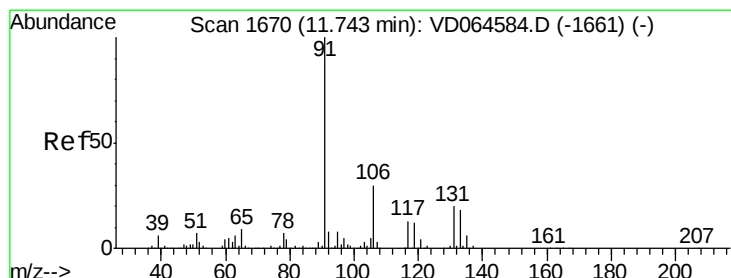
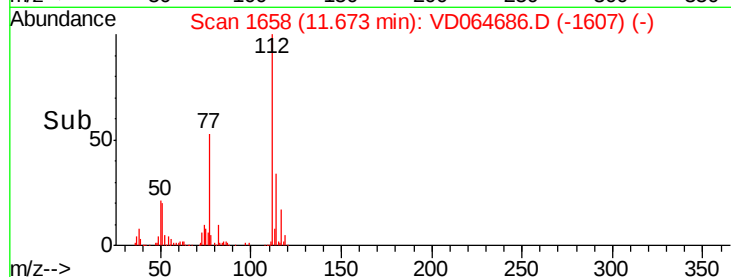
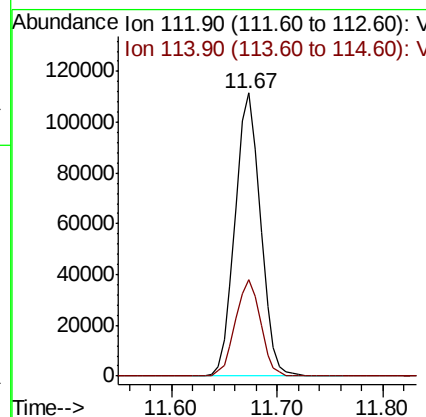
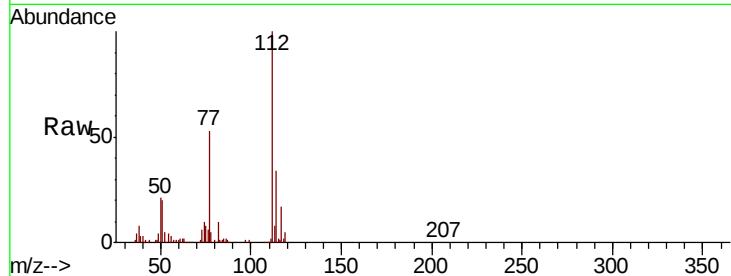
#65
Chlorobenzene
Concen: 19.559 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.2	24.8	37.2

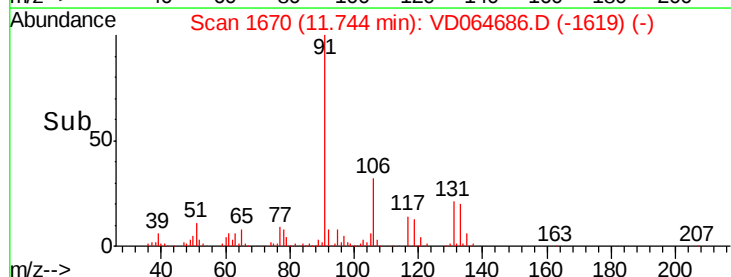
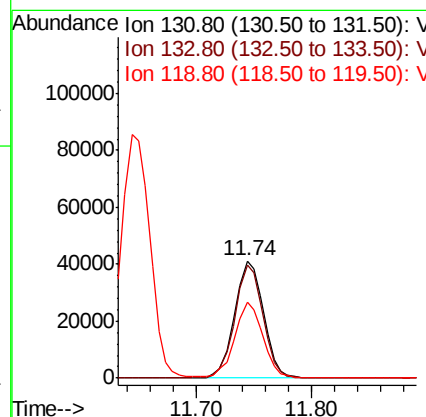
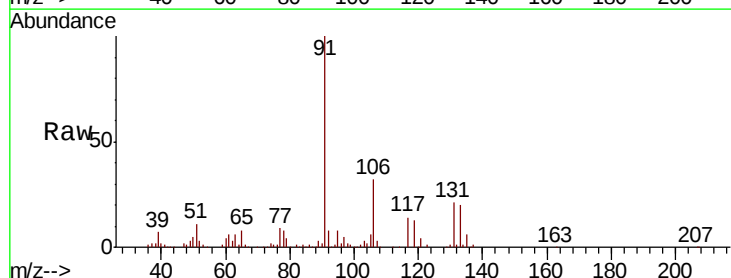
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.007 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	48.3	144.8
119	63.7	32.1	96.3





#67

Ethyl Benzene

Concen: 19.623 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 91 Resp: 338131

Ion Ratio Lower Upper

91 100

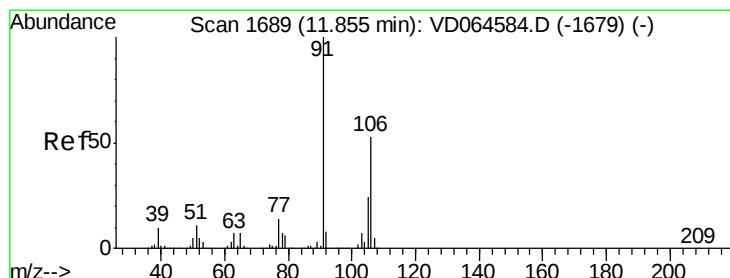
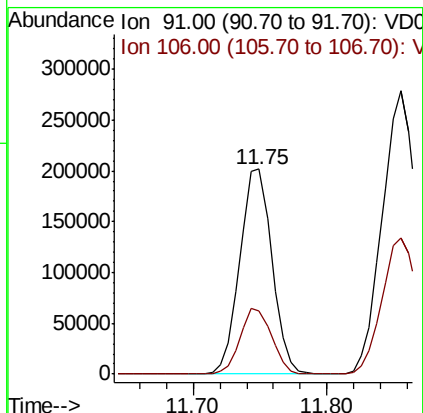
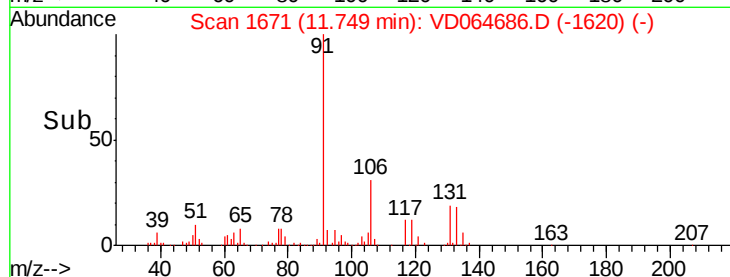
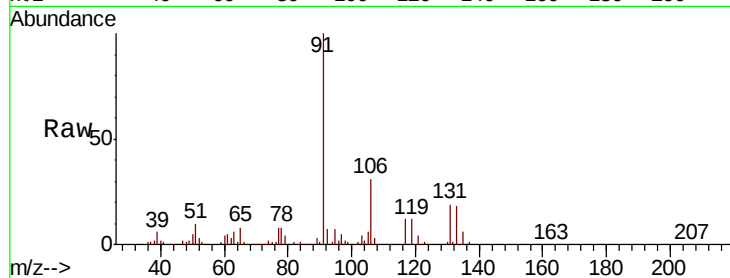
106 31.1 24.6 36.8

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#68

m/p-Xylenes

Concen: 38.428 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064686.D

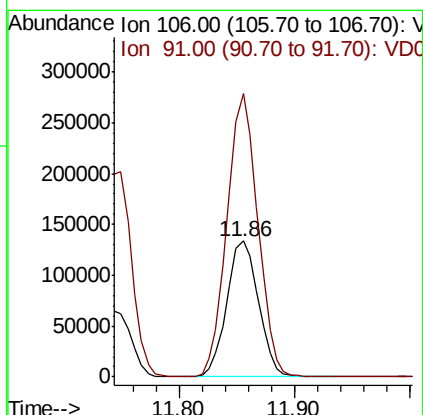
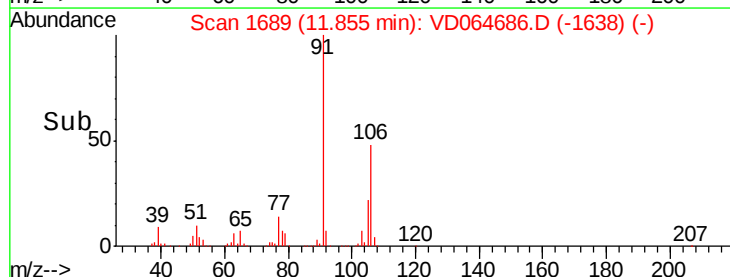
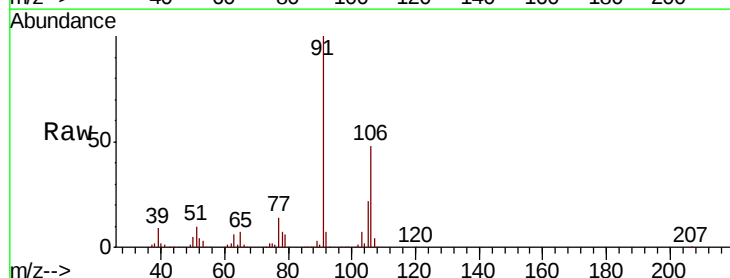
Acq: 31 Dec 2019 10:58

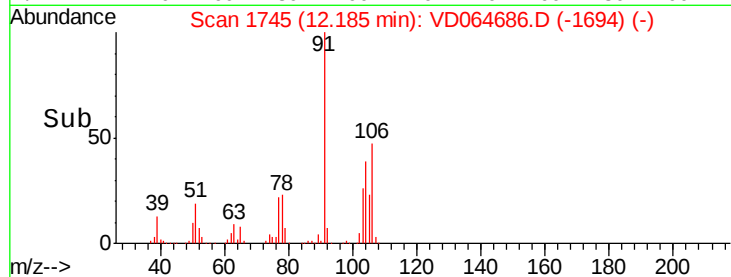
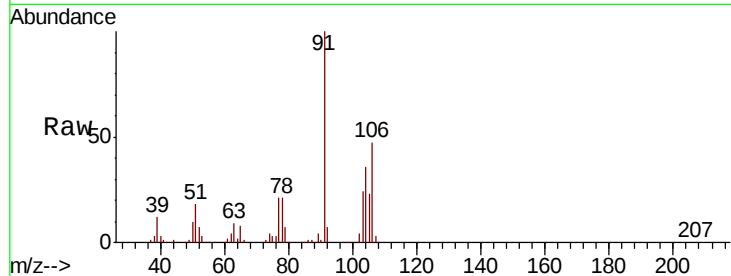
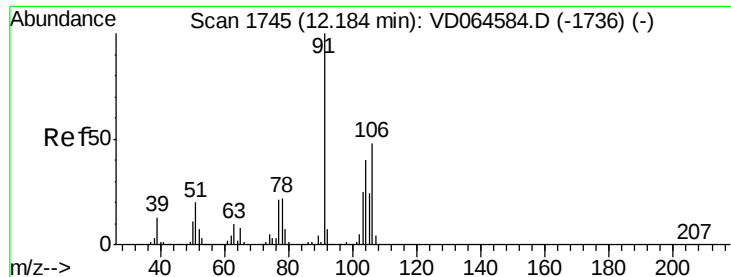
Tgt Ion: 106 Resp: 255582

Ion Ratio Lower Upper

106 100

91 202.7 156.3 234.5





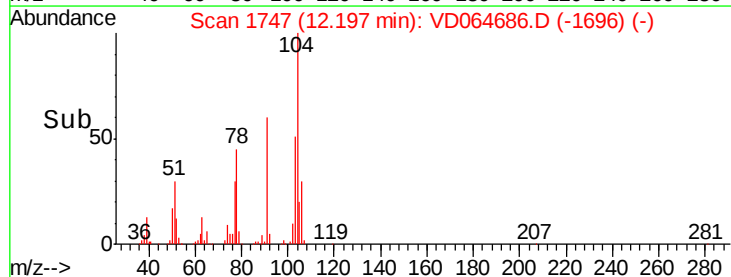
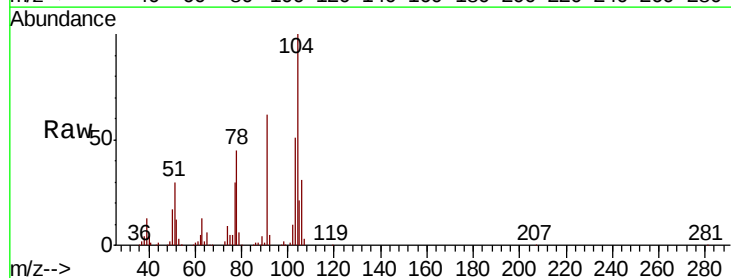
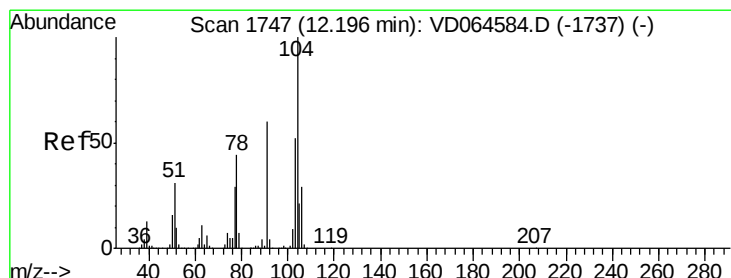
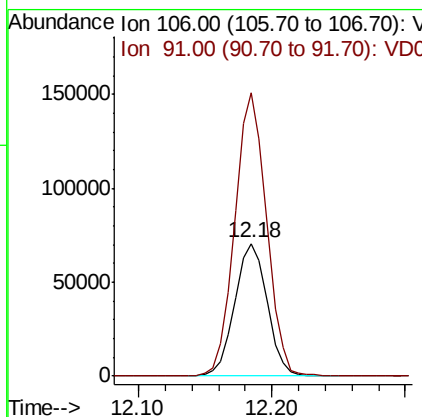
#69
o-Xylene
Concen: 19.678 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tot Ion:106 Resp: 118215
Ion Ratio Lower Upper
106 100
91 209.7 104.8 314.4

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

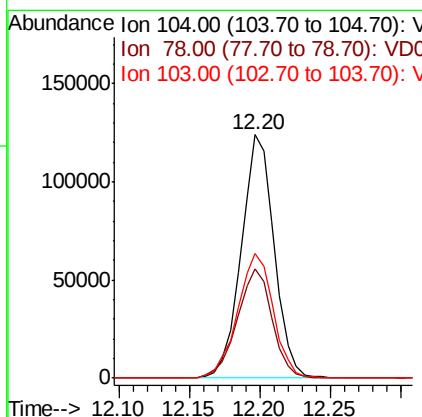
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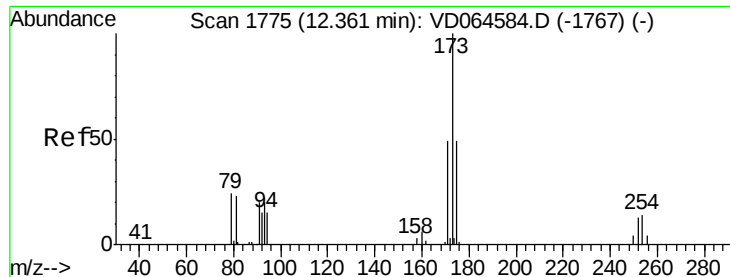
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#70
Styrene
Concen: 19.105 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion:104 Resp: 201452
Ion Ratio Lower Upper
104 100
78 47.7 38.2 57.2
103 55.6 44.6 67.0





#71

Bromoform

Concen: 18.123 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion:173 Resp: 36989

Ion Ratio Lower Upper

173 100

175 49.1 24.6 73.8

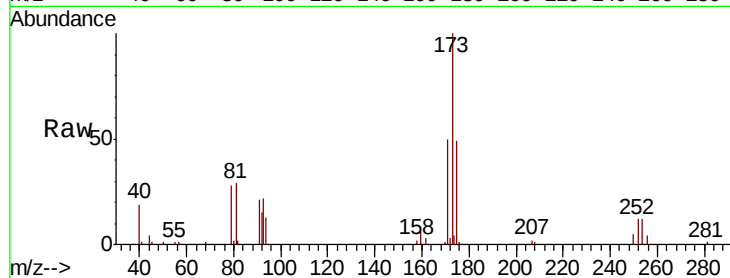
254 0.0 0.1 0.1#

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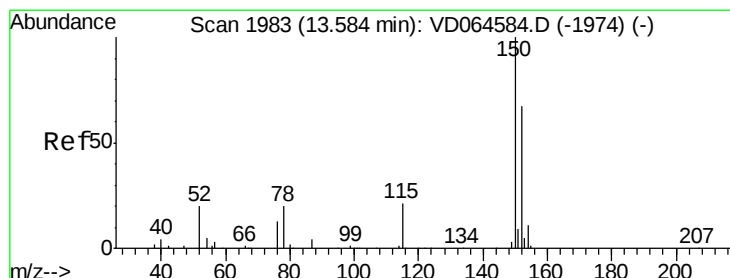
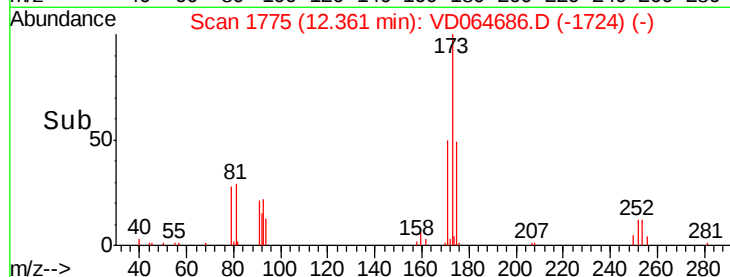
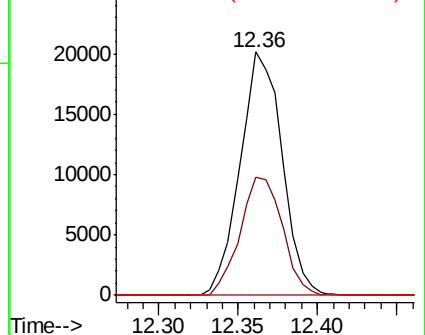
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

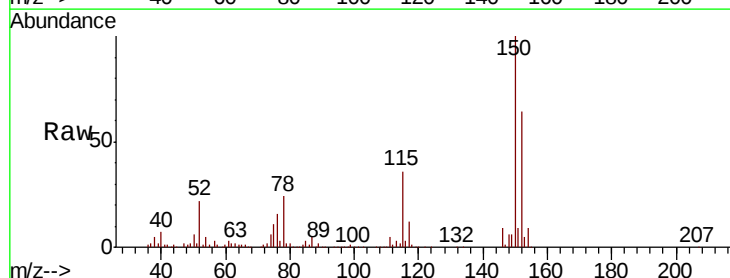
Tgt Ion:152 Resp: 220825

Ion Ratio Lower Upper

152 100

115 56.0 27.8 83.4

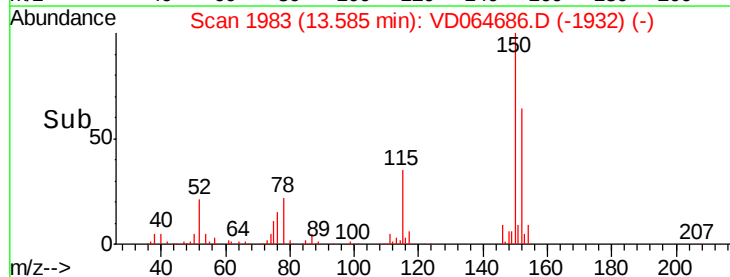
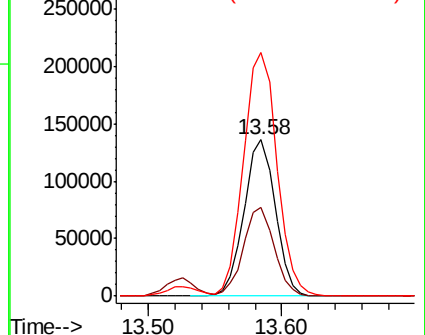
150 165.9 0.0 351.4

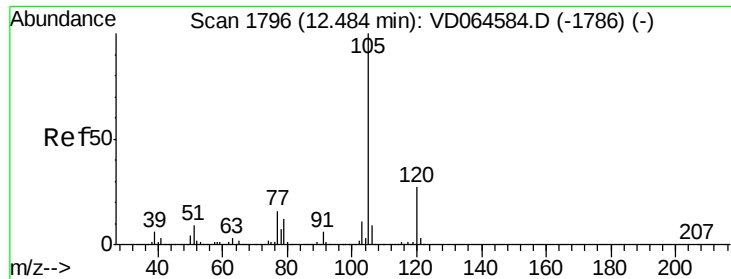


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.183 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

ClientSampleId :

VD1231SBS01

Tot Ion: 105 Resp: 318504

Ion Ratio Lower Upper

105 100

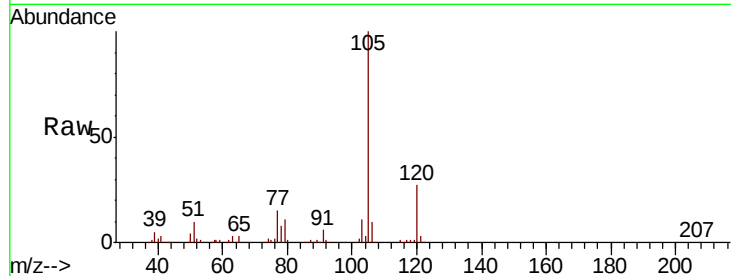
120 26.7 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

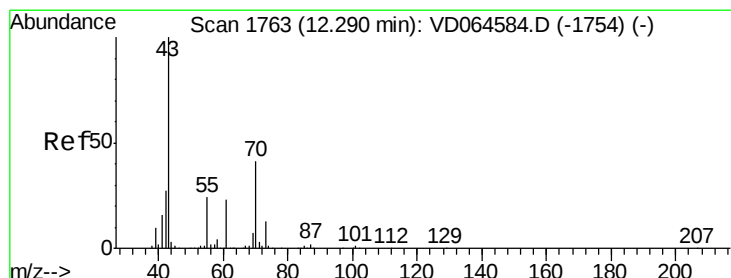
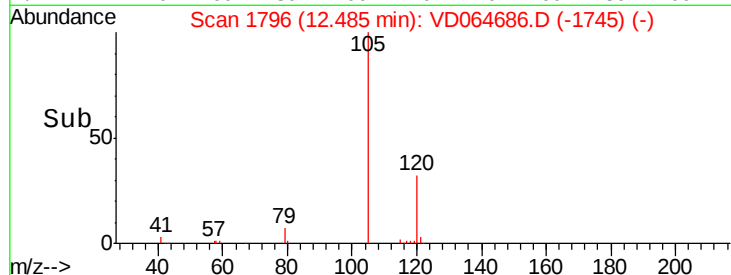
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 18.284 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion: 43 Resp: 61678

Ion Ratio Lower Upper

43 100

70 40.3 33.4 50.0

55 24.9 19.4 29.0

61 22.9 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

60000

50000

40000

30000

20000

10000

0

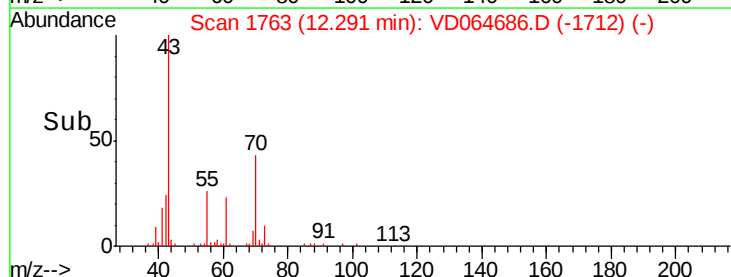
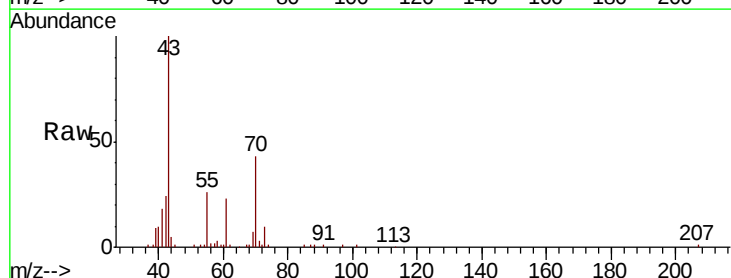
12.20

12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.019 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

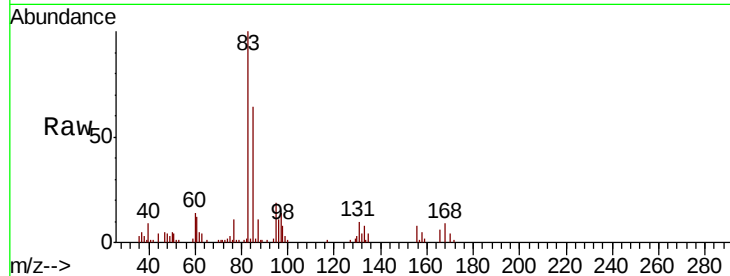
ClientSampleId :

VD1231SBS01

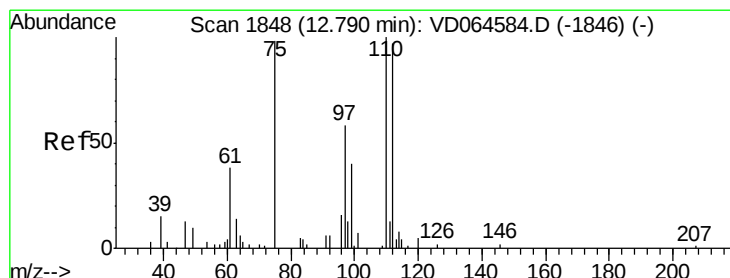
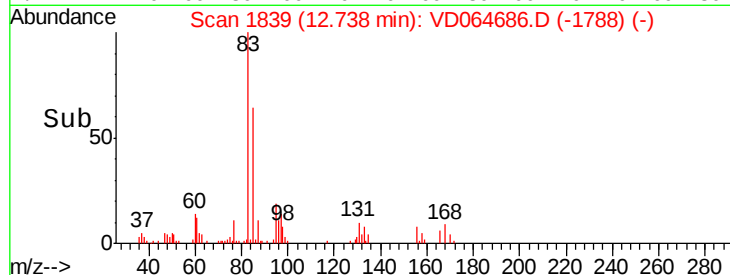
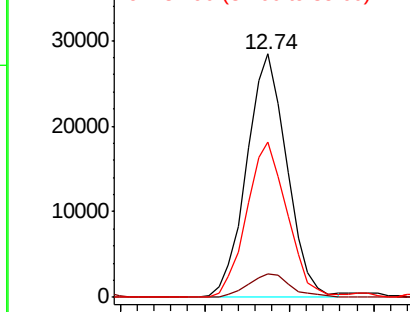
Tot Ion:	83	Resp:	47148
Ion Ratio	Lower	Upper	
83	100		
131	10.2	5.8	17.4
85	64.3	32.3	96.9

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 16.745 ug/l m

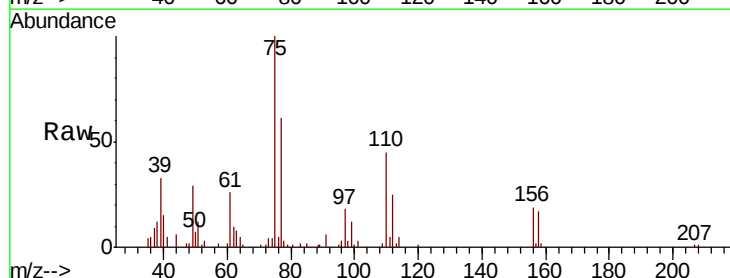
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

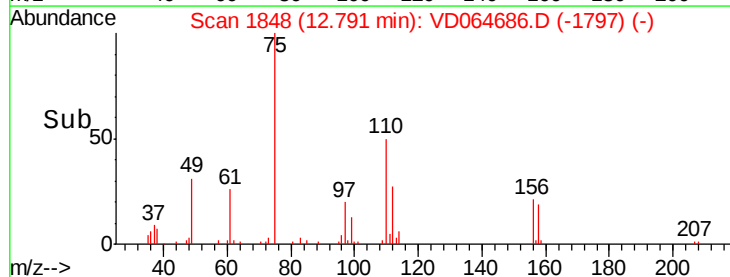
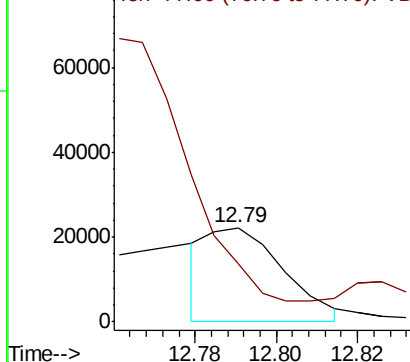
Lab File: VD064686.D

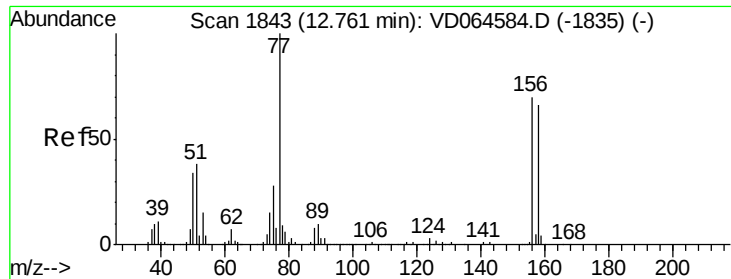
Acq: 31 Dec 2019 10:58

Tgt Ion:	75	Resp:	29199
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 19.998 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

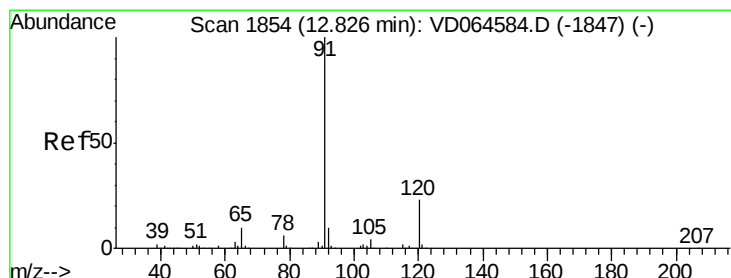
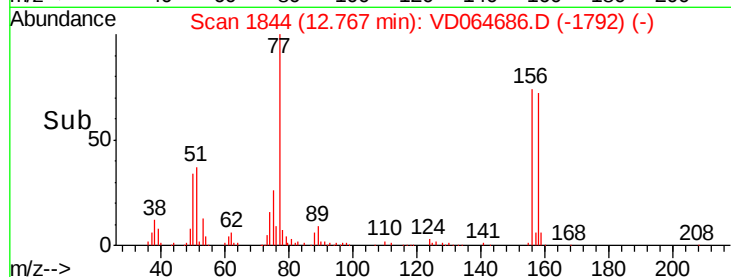
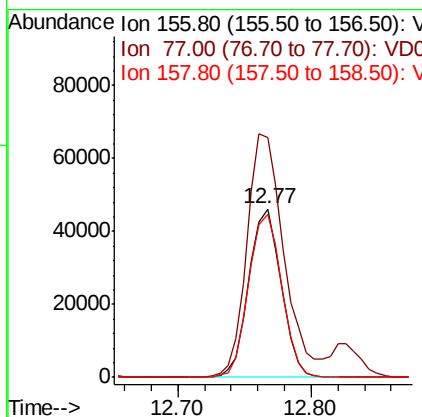
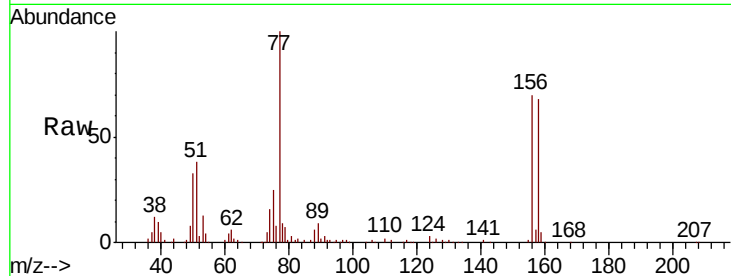
ClientSampleId :

VD1231SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	165.6	80.9	242.7	
158	98.4	48.0	144.2	

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#78

n-propylbenzene

Concen: 20.382 ug/l

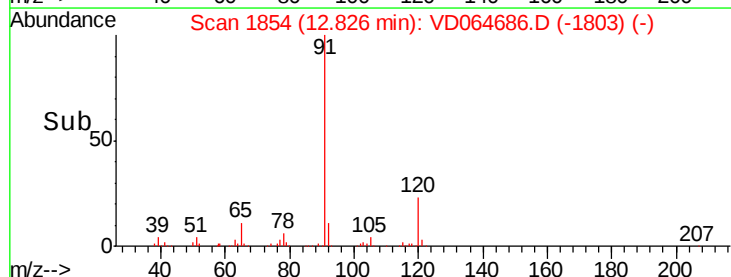
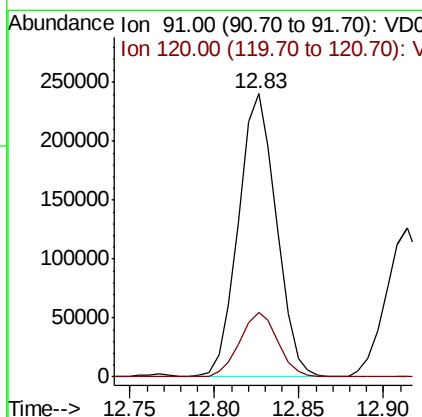
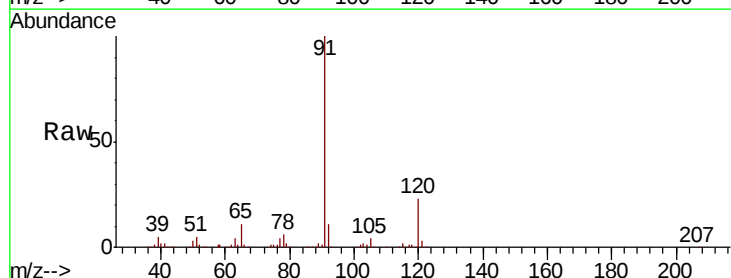
RT: 12.83 min Scan# 1854

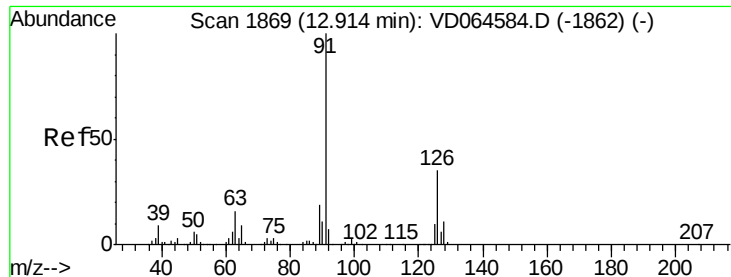
Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	22.8	11.9	35.9	





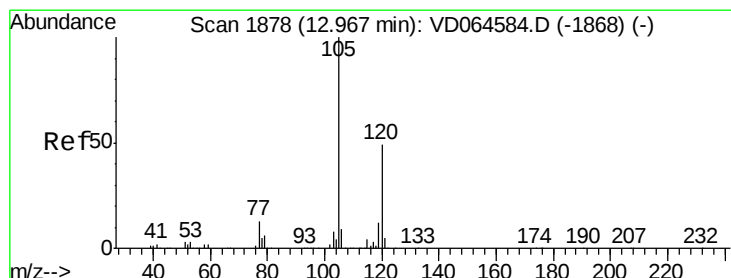
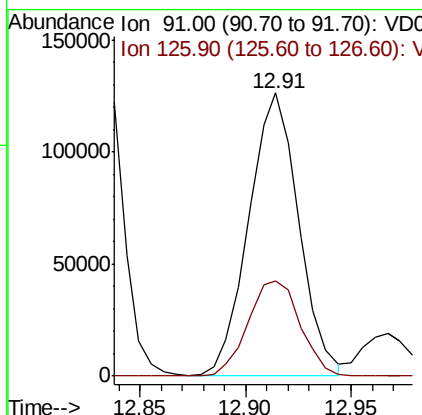
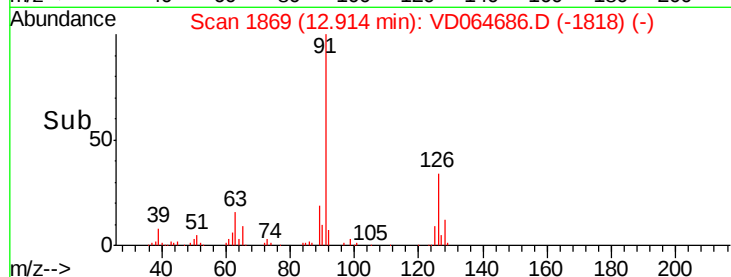
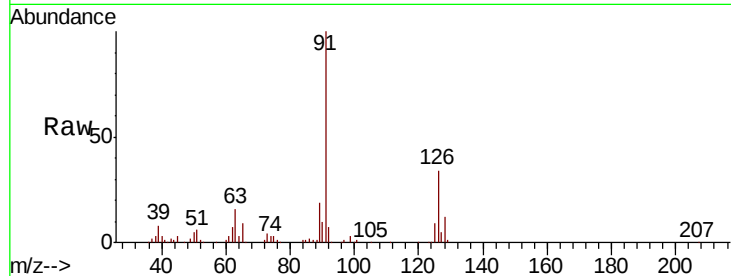
#79
 2-Chlorotoluene
 Concen: 20.516 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5

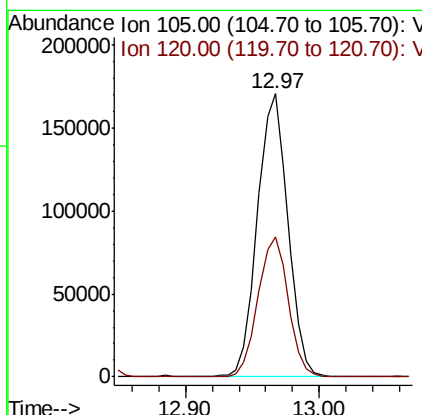
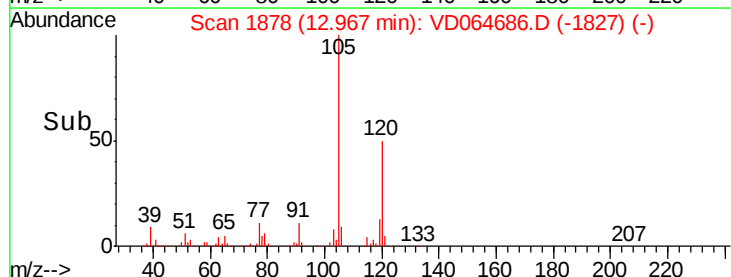
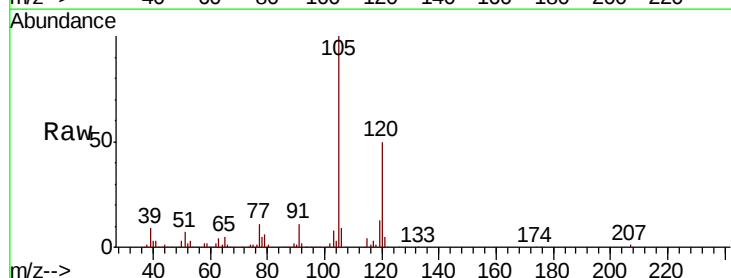
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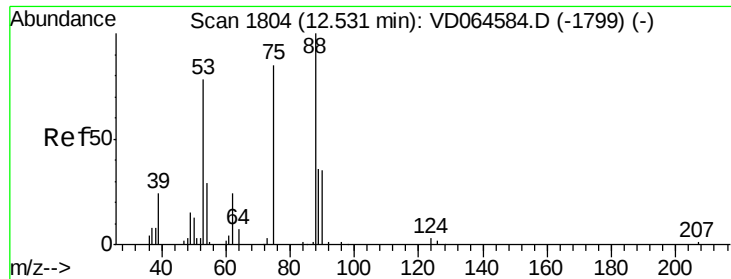
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#80
 1,3,5-Trimethylbenzene
 Concen: 20.762 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	49.4	25.0	75.0





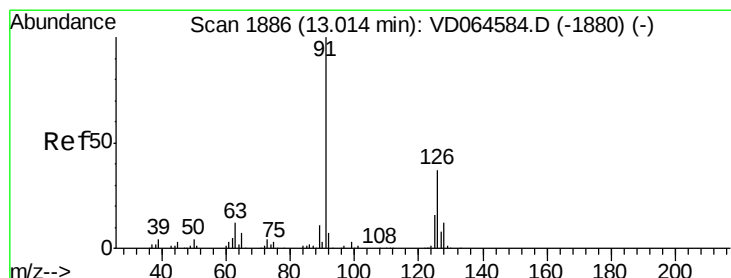
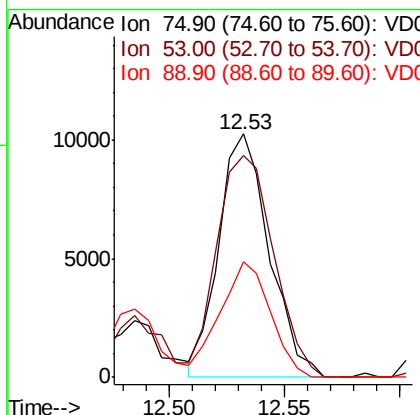
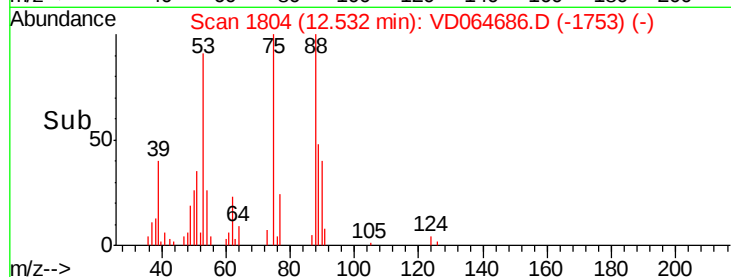
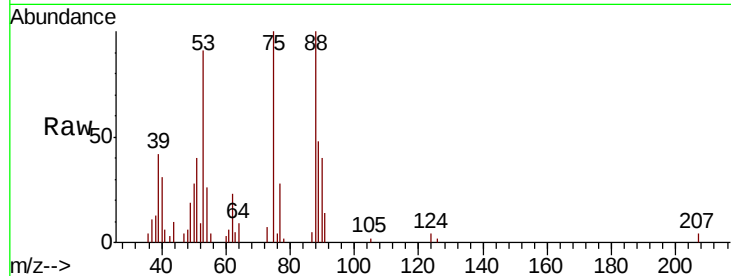
#81
trans-1,4-Dichloro-2-butene
Concen: 18.672 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.5	78.8	118.2
89	47.4	38.3	57.5

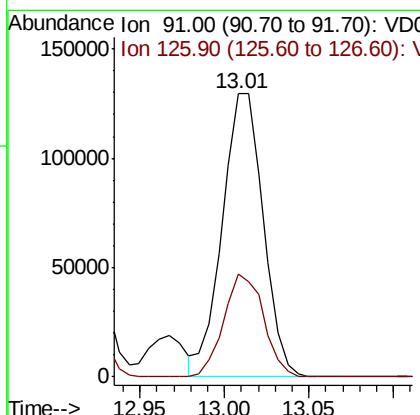
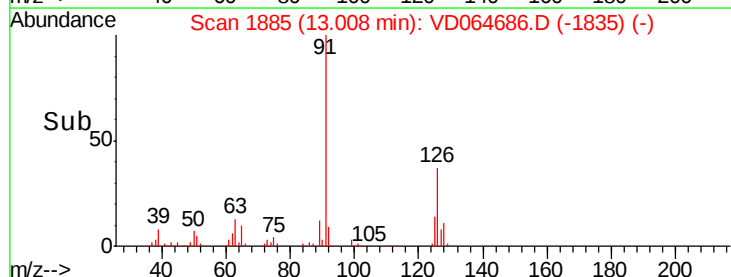
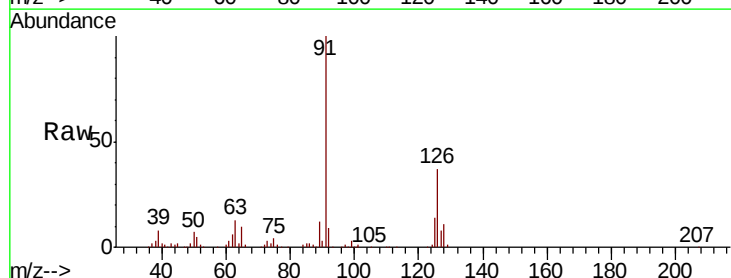
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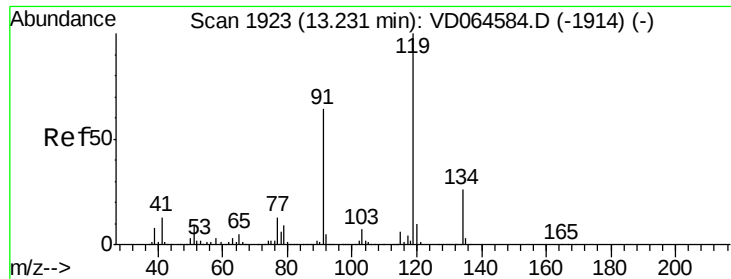
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#82
4-Chlorotoluene
Concen: 20.340 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5





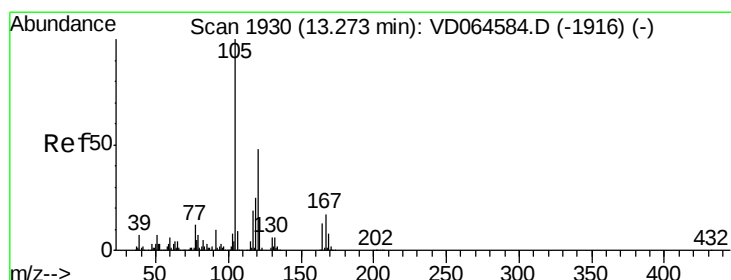
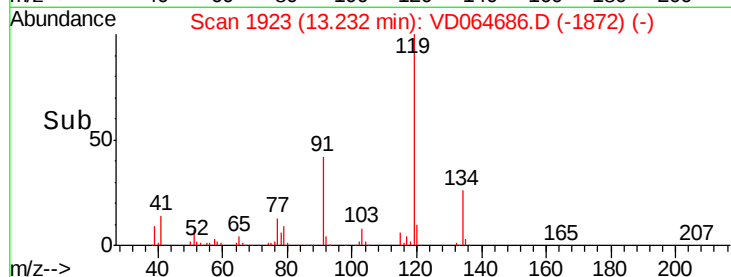
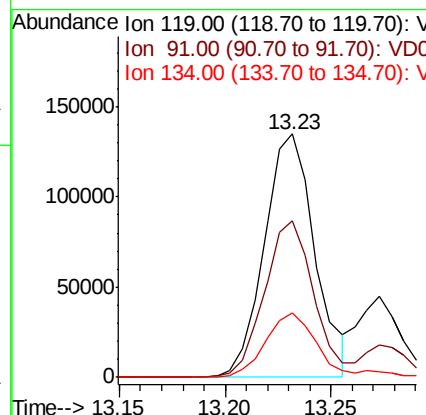
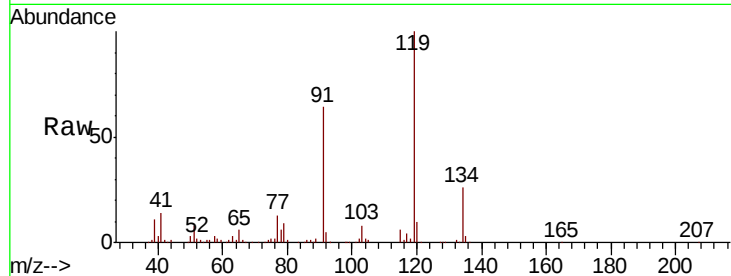
#83
tert-Butylbenzene
Concen: 19.938 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.8	92.4
134	26.1	12.8	38.3

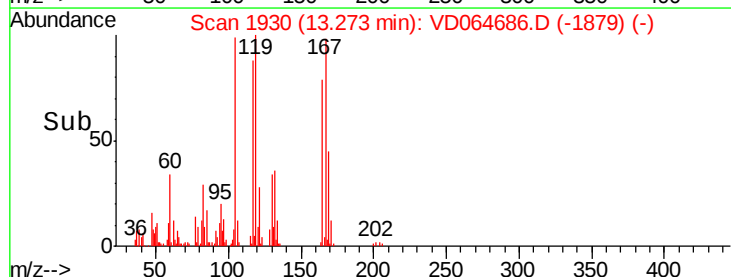
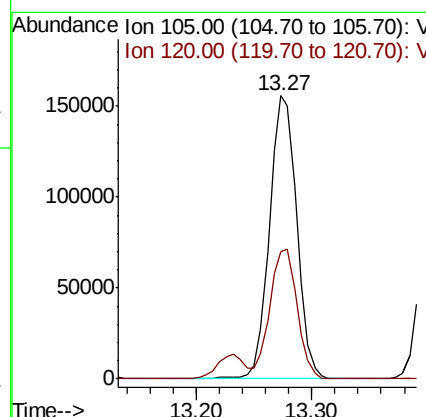
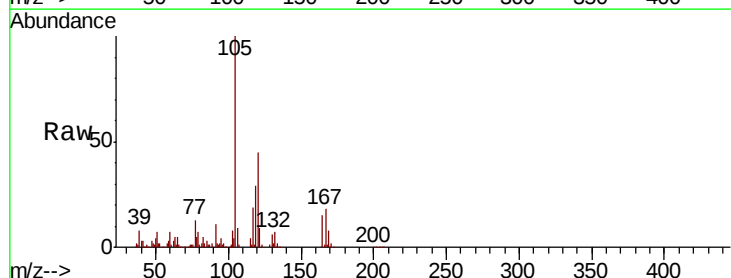
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#84
1,2,4-Trimethylbenzene
Concen: 19.899 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.6	23.8	71.2





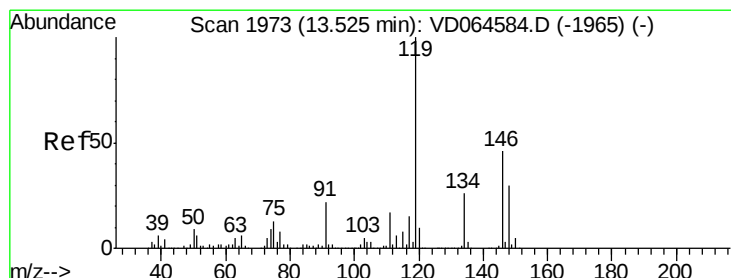
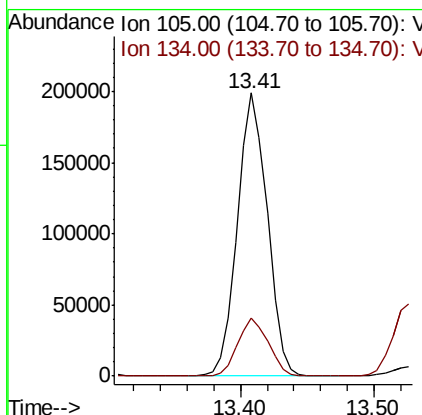
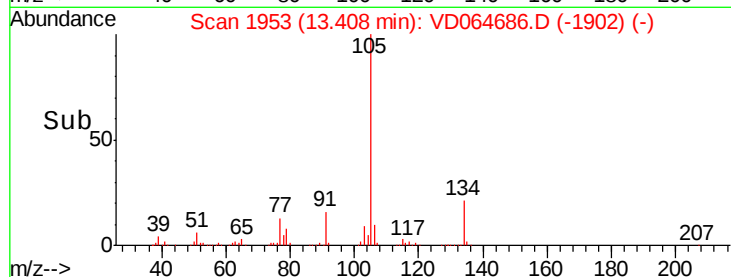
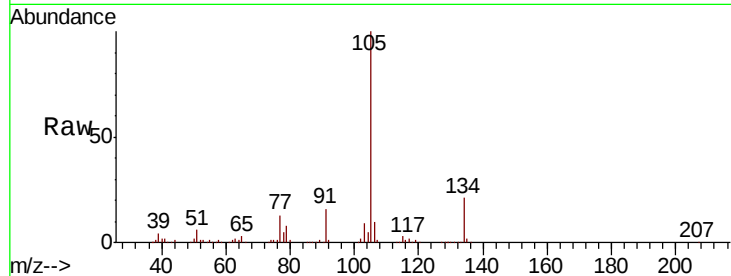
#85
 sec-Butylbenzene
 Concen: 19.944 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.6	31.8

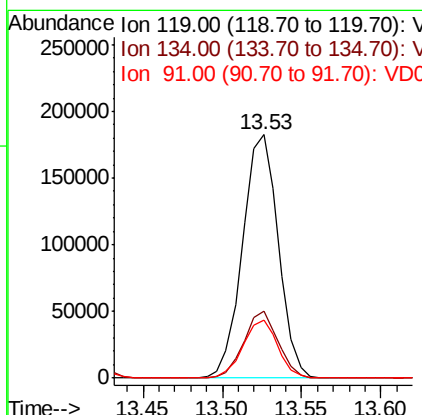
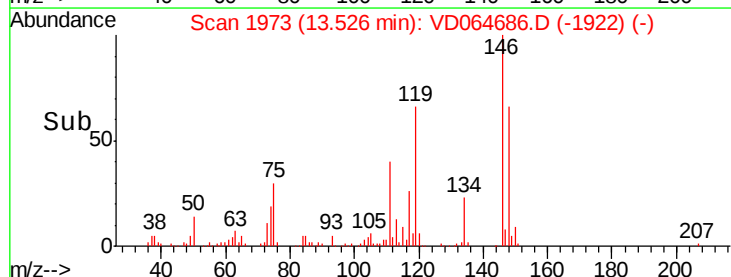
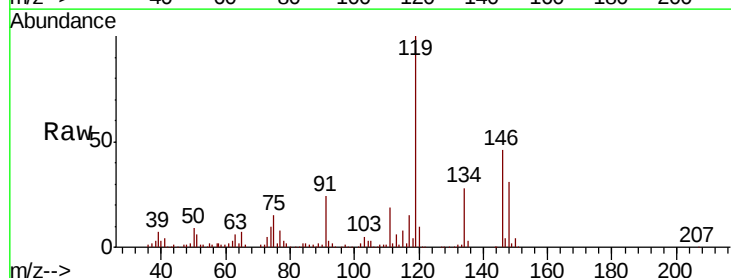
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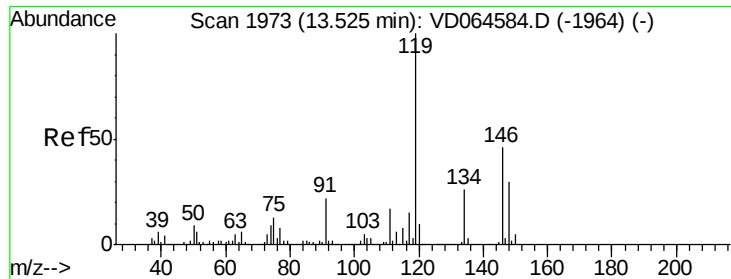
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#86
 p-Isopropyltoluene
 Concen: 19.382 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	23.5	11.2	33.6





#87

1,3-Dichlorobenzene

Concen: 19.416 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Instrument :

MSVOA_D

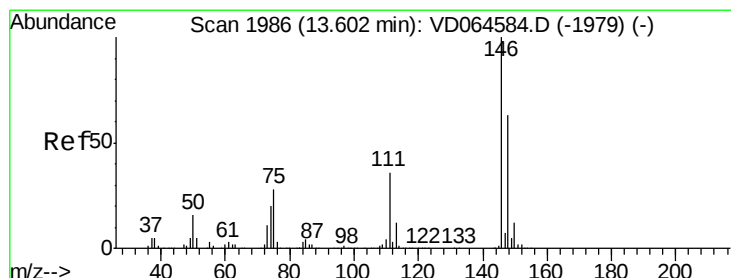
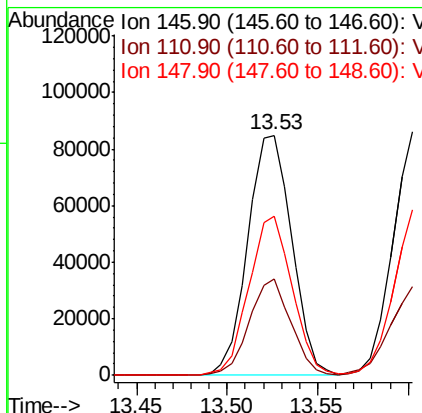
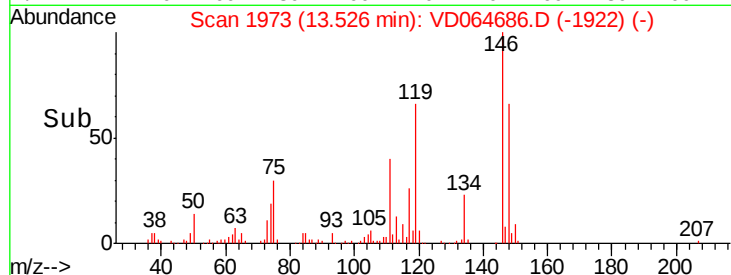
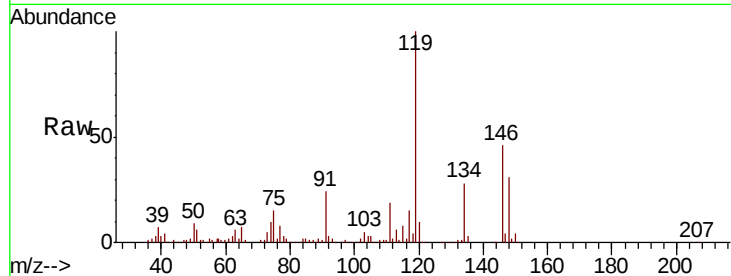
ClientSampleId :

VD1231SBS01

Tot Ion:	146	Resp:	143518
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.8	56.4
148	65.1	32.5	97.5

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#88

1,4-Dichlorobenzene

Concen: 19.533 ug/l

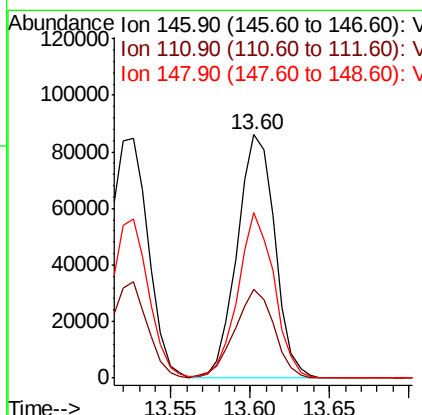
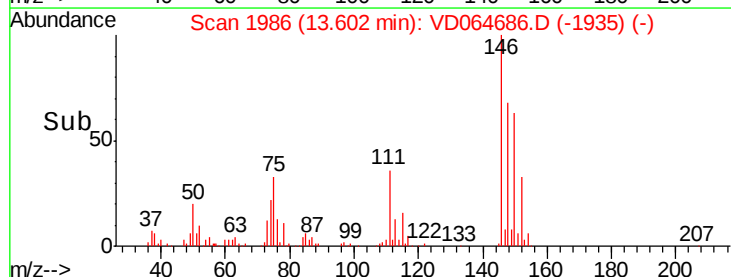
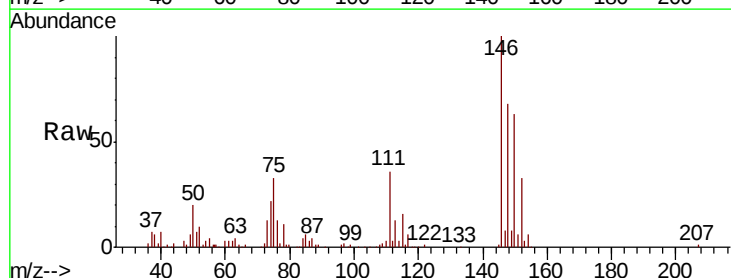
RT: 13.60 min Scan# 1986

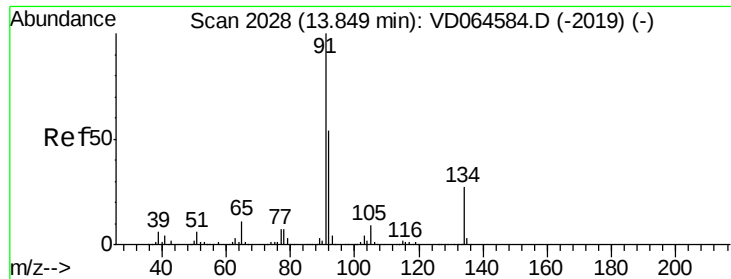
Delta R.T. 0.00 min

Lab File: VD064686.D

Acq: 31 Dec 2019 10:58

Tgt Ion:	146	Resp:	141837
Ion Ratio	Lower	Upper	
146	100		
111	38.1	18.1	54.1
148	65.6	32.3	96.9





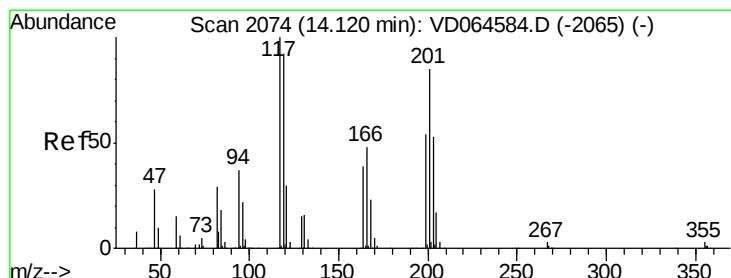
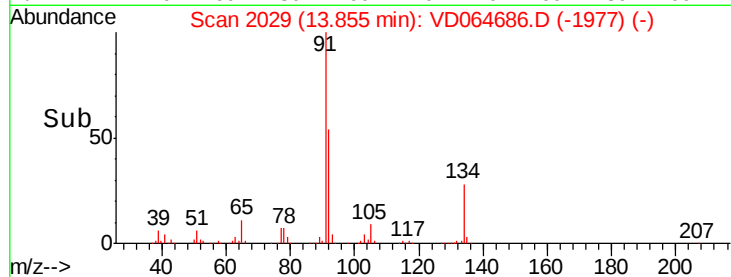
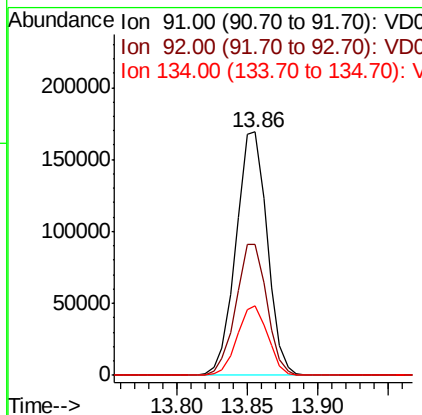
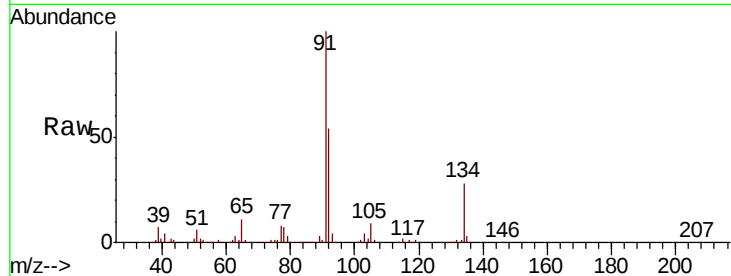
#89
n-Butylbenzene
Concen: 19.716 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.5	26.8	80.4	
134	28.0	14.0	41.9	

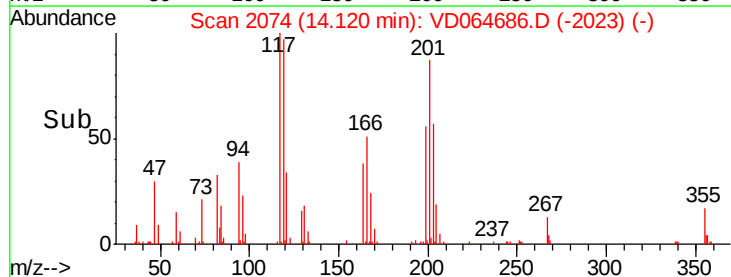
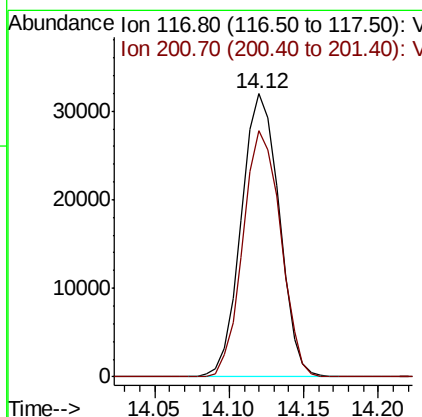
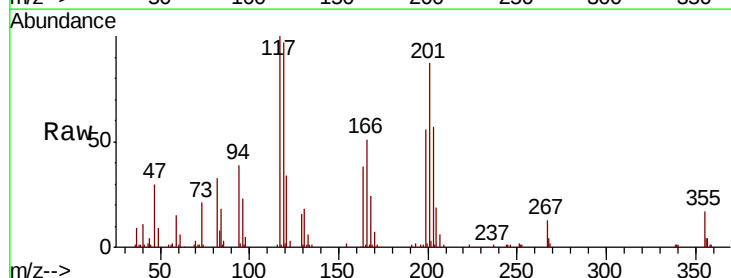
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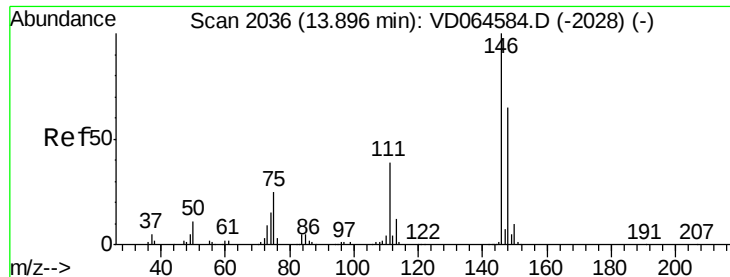
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#90
Hexachloroethane
Concen: 20.024 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	86.0	44.0	131.8	





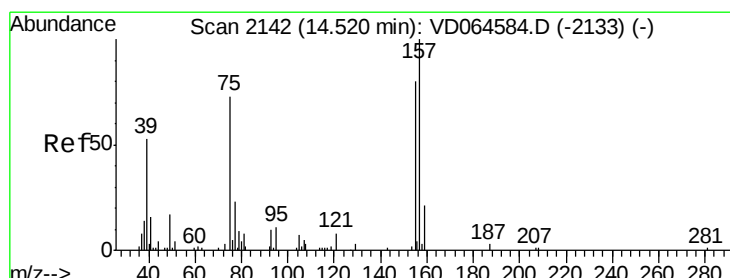
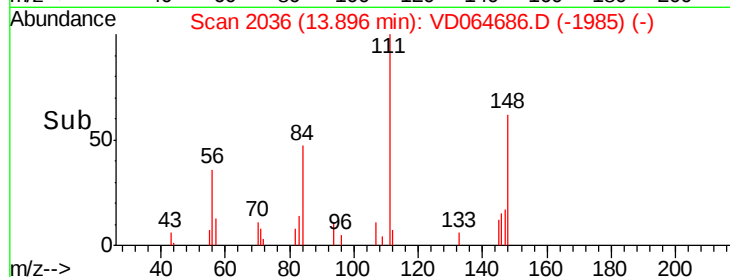
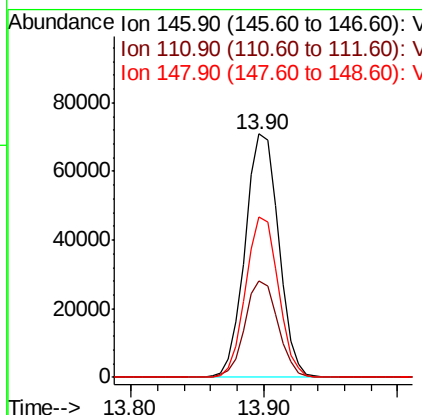
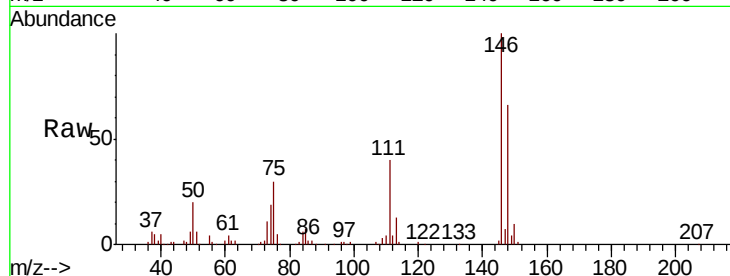
#91
 1,2-Dichlorobenzene
 Concen: 19.476 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.3	57.9
148	64.2	31.9	95.5

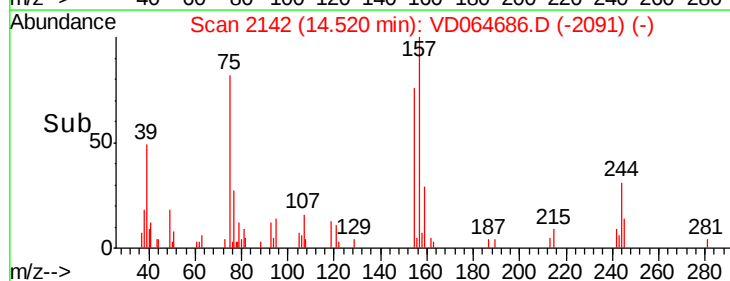
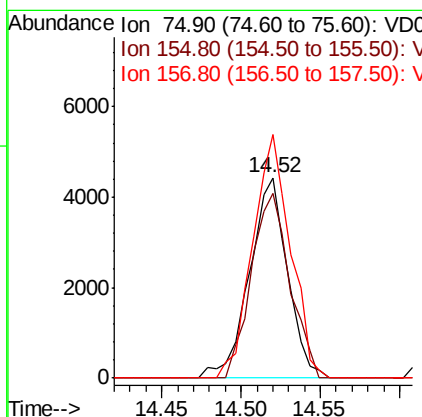
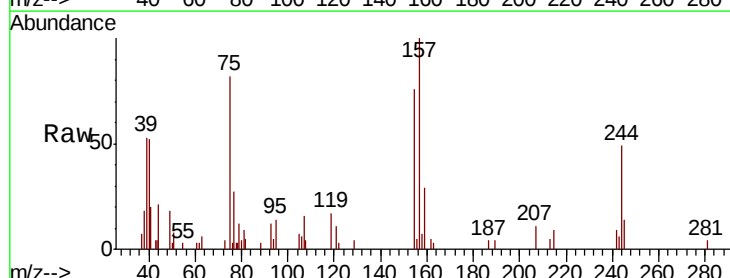
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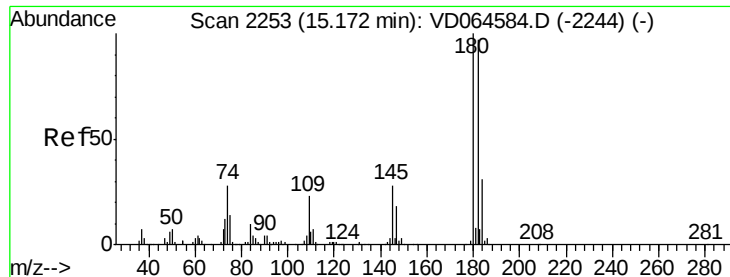
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.406 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	48.0	144.0
157	120.4	64.1	192.3





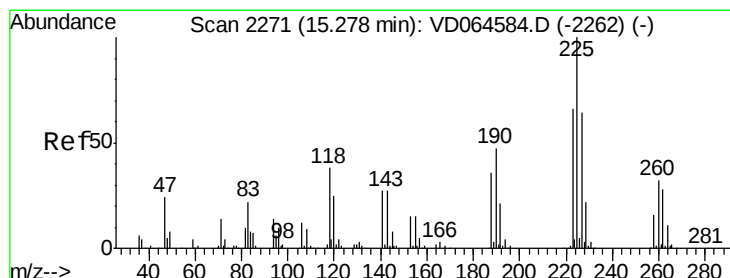
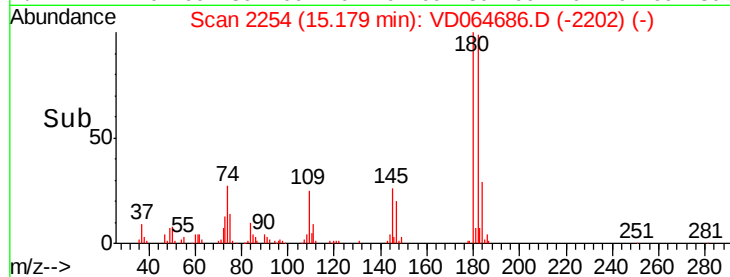
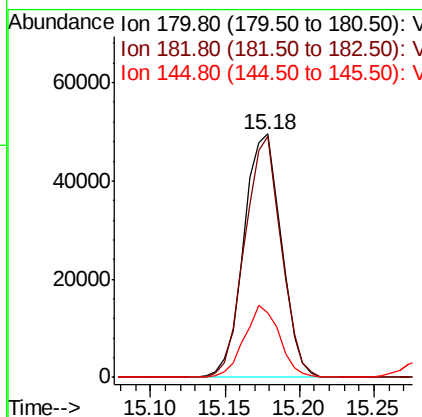
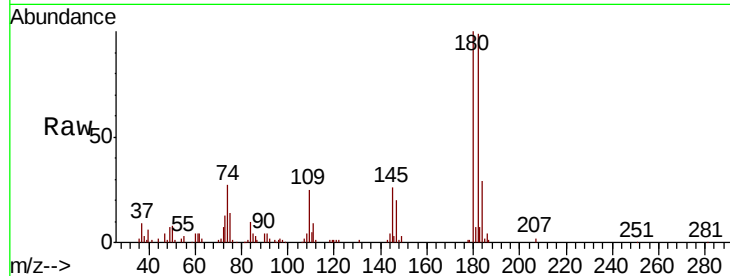
#93
 1,2,4-Trichlorobenzene
 Concen: 18.501 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1231SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.9	48.0	144.2	
145	27.7	13.8	41.4	

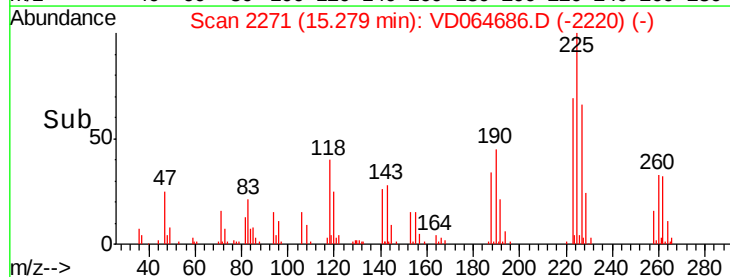
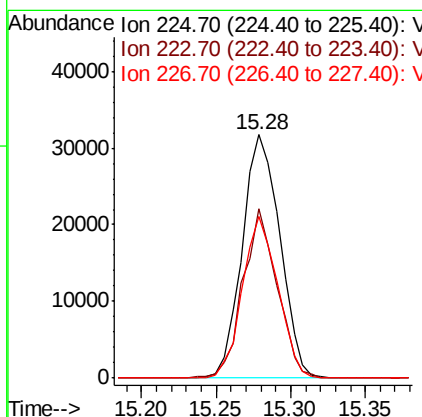
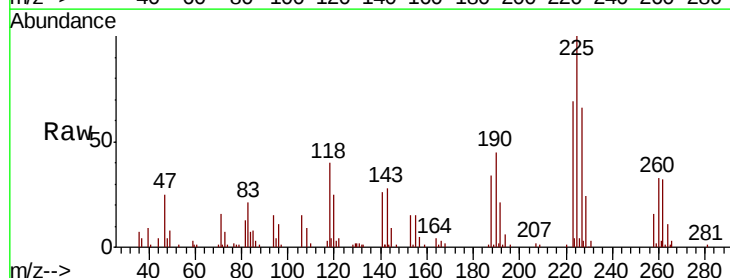
Manual Integrations
 APPROVED

apatel
 1/2/2020 10:42:55 AM



#94
 Hexachlorobutadiene
 Concen: 18.954 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064686.D
 Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.1	93.2	
227	62.4	30.9	92.7	





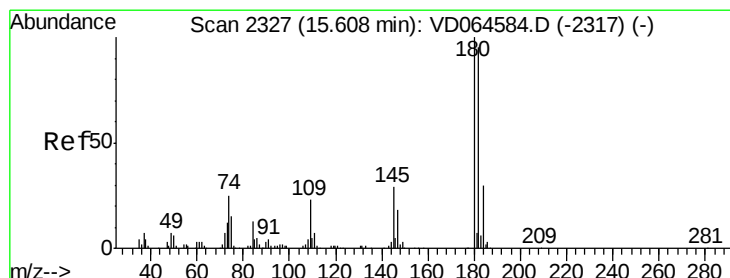
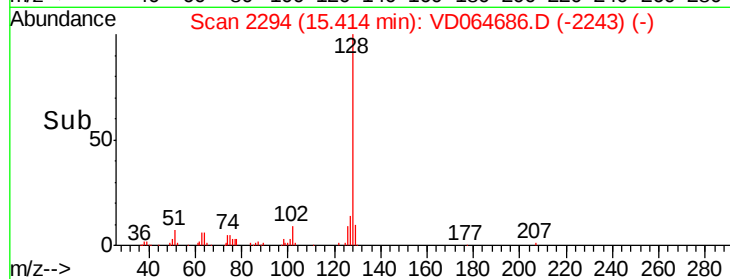
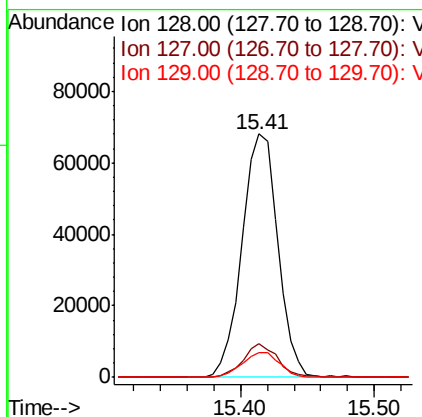
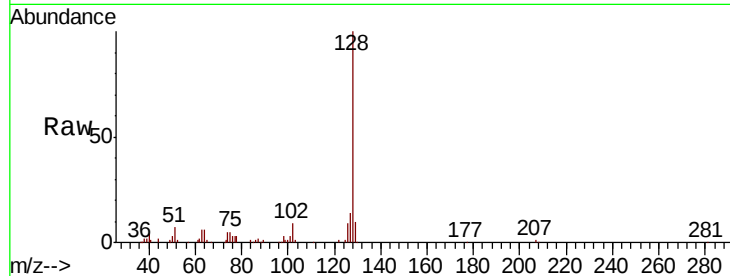
#95
Naphthalene
Concen: 17.192 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Instrument :
MSVOA_D
ClientSampleId :
VD1231SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.3	15.5
129	10.7	8.5	12.7

Manual Integrations
APPROVED

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1/2/2020 10:42:55 AM



#96
1,2,3-Trichlorobenzene
Concen: 18.240 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064686.D
Acq: 31 Dec 2019 10:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	47.9	143.7
145	29.3	14.9	44.7

