

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122719\
 Data File : VD064634.D
 Acq On : 27 Dec 2019 09:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 12/30/2019 11:03:00 AM

Quant Time: Dec 30 01:09:07 2019
 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	409616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	568518	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	498193	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	246970	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	171156	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.92	113	175094	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	
50) Toluene-d8	10.34	98	701274	52.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.00%	
62) 4-Bromofluorobenzene	12.64	95	215193	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	157876	49.595	ug/l	100
3) Chloromethane	2.21	50	210749	47.338	ug/l	99
4) Vinyl Chloride	2.35	62	265030	48.824	ug/l	96
5) Bromomethane	2.77	94	179614	45.508	ug/l	95
6) Chloroethane	2.93	64	178578	49.097	ug/l	99
7) Trichlorofluoromethane	3.27	101	454868	49.767	ug/l	100
8) Diethyl Ether	3.70	74	79348	43.718	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	190954	50.447	ug/l	99
10) Methyl Iodide	4.29	142	210442	51.757	ug/l	100
11) Tert butyl alcohol	5.25	59	42760	206.568	ug/l #	84
12) 1,1-Dichloroethene	4.06	96	178189	49.446	ug/l	94
13) Acrolein	3.93	56	65502	227.052	ug/l	99
14) Allyl chloride	4.71	41	268637	47.811	ug/l	99
15) Acrylonitrile	5.43	53	169968	224.823	ug/l	99
16) Acetone	4.16	43	212884	284.126	ug/l	91
17) Carbon Disulfide	4.40	76	570488	48.958	ug/l	100
18) Methyl Acetate	4.72	43	88270	43.408	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	367078	45.859	ug/l	98
20) Methylene Chloride	4.96	84	182455	49.326	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	201806	49.172	ug/l	98
22) Diisopropyl ether	6.36	45	529170	47.218	ug/l	98
23) Vinyl Acetate	6.31	43	1509898	237.507	ug/l	98
24) 1,1-Dichloroethane	6.26	63	331452	49.265	ug/l	100
25) 2-Butanone	7.22	43	243181	244.935	ug/l	99
26) 2,2-Dichloropropane	7.21	77	309352	49.454	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	211369	47.721	ug/l	98
28) Bromochloromethane	7.55	49	130761	49.998	ug/l	99
29) Tetrahydrofuran	7.56	42	137782	223.157	ug/l	99
30) Chloroform	7.71	83	341152	48.331	ug/l	98
31) Cyclohexane	7.98	56	318796	47.337	ug/l	95
32) 1,1,1-Trichloroethane	7.90	97	330041	49.780	ug/l	100
36) 1,1-Dichloropropene	8.11	75	284795	52.046	ug/l	99
37) Ethyl Acetate	7.30	43	99343	46.213	ug/l	98
38) Carbon Tetrachloride	8.10	117	308923	52.946	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	350114	52.827	ug/l	100
40) Benzene	8.35	78	760308	50.898	ug/l	99
41) Methacrylonitrile	7.53	41	67617	54.213	ug/l #	89
42) 1,2-Dichloroethane	8.43	62	216225	50.091	ug/l	99
43) Isopropyl Acetate	8.46	43	199639	46.658	ug/l	99
44) Trichloroethene	9.11	130	223192	50.861	ug/l	97
45) 1,2-Dichloropropane	9.39	63	179267	50.263	ug/l	96
46) Dibromomethane	9.48	93	97103	48.832	ug/l	99
47) Bromodichloromethane	9.66	83	261226	49.368	ug/l	96
48) Methyl methacrylate	9.46	41	99555	49.415	ug/l	100
49) 1,4-Dioxane	9.47	88	20721	903.708	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	497997	235.472	ug/l	99
52) Toluene	10.40	92	495781	50.588	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	243187	49.296	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	291368	50.089	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	126892	47.350	ug/l	94
56) Ethyl methacrylate	10.66	69	159087	47.534	ug/l	99
57) 1,3-Dichloropropane	10.95	76	221688	48.045	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	287582	225.537	ug/l	99
59) 2-Hexanone	10.98	43	368304	256.583	ug/l	100
60) Dibromochloromethane	11.14	129	177763	47.968	ug/l	98
61) 1,2-Dibromoethane	11.25	107	126271	47.772	ug/l	99
64) Tetrachloroethene	10.87	164	192697	50.417	ug/l	98
65) Chlorobenzene	11.67	112	513639	49.675	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	198964	51.043	ug/l	99
67) Ethyl Benzene	11.75	91	956285	50.954	ug/l	98
68) m/p-Xylenes	11.85	106	736931	101.731	ug/l	97
69) o-Xylene	12.18	106	328887	50.265	ug/l	99
70) Styrene	12.20	104	582867	50.751	ug/l	99
71) Bromoform	12.37	173	106565	47.939	ug/l #	98
73) Isopropylbenzene	12.48	105	926371	52.489	ug/l	99
74) N-amyl acetate	12.29	43	175685	46.567	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	131913	47.579	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	83838m	42.989	ug/l	
77) Bromobenzene	12.77	156	214015	49.351	ug/l	98
78) n-propylbenzene	12.83	91	1068687	51.904	ug/l	100
79) 2-Chlorotoluene	12.91	91	568468	50.259	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	753351	51.963	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	45743	49.056	ug/l	98
82) 4-Chlorotoluene	13.01	91	604149	50.192	ug/l	99
83) tert-Butylbenzene	13.23	119	653004	51.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	742335	51.412	ug/l	98
85) sec-Butylbenzene	13.41	105	903952	52.381	ug/l	100
86) p-Isopropyltoluene	13.53	119	859335	52.078	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	410604	49.667	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	397456	48.940	ug/l	99
89) n-Butylbenzene	13.85	91	779881	52.483	ug/l	99
90) Hexachloroethane	14.12	117	160123	50.800	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	341884	48.499	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20261	45.079	ug/l	93

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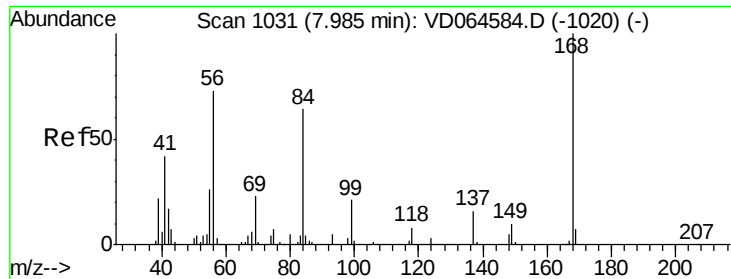
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	240360	46.307	ug/l	100
94) Hexachlorobutadiene	15.28	225	159945	48.969	ug/l	99
95) Naphthalene	15.41	128	379177	46.177	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	205749	46.432	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 409616

Ion Ratio Lower Upper

168 100

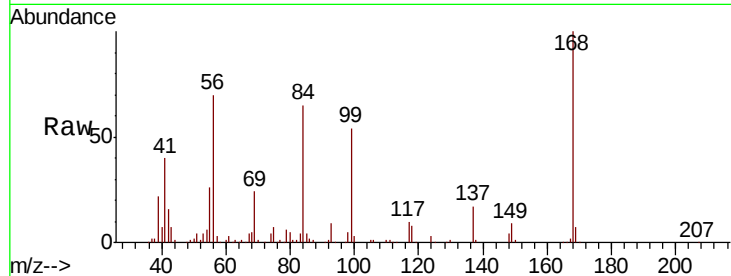
99 53.6 41.8 62.6

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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

200000

150000

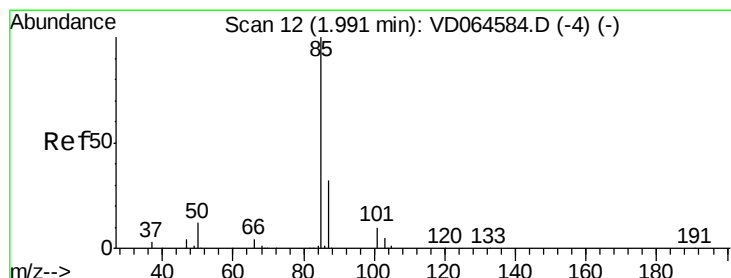
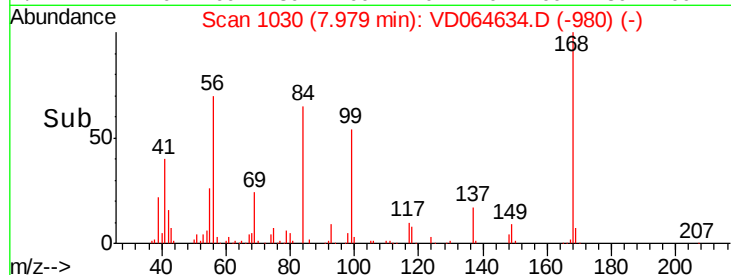
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.595 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064634.D

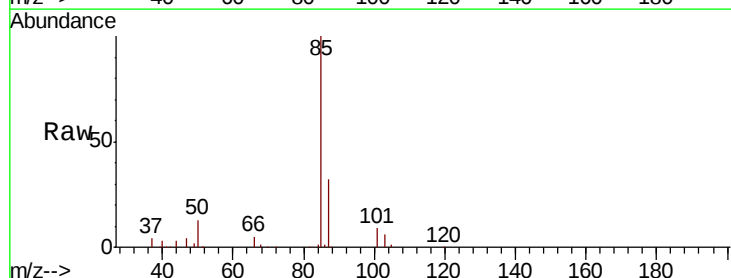
Acq: 27 Dec 2019 09:53

Tgt Ion: 85 Resp: 157876

Ion Ratio Lower Upper

85 100

87 31.8 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

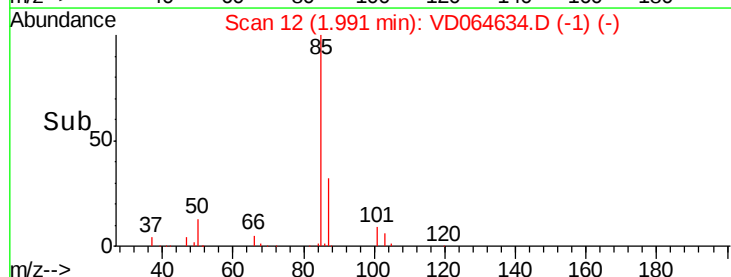
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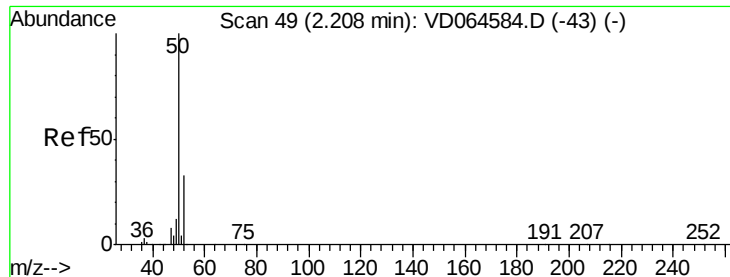
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 47.338 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 210749

Ion Ratio Lower Upper

50 100

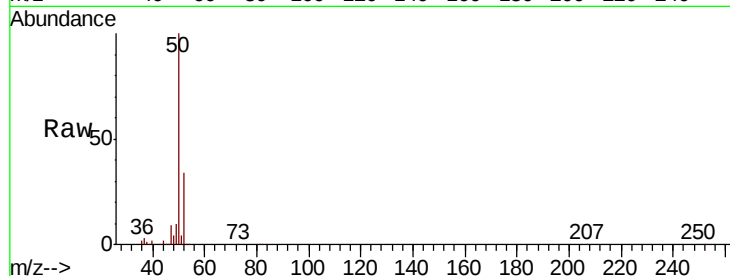
52 33.6 26.5 39.7

Manual Integrations

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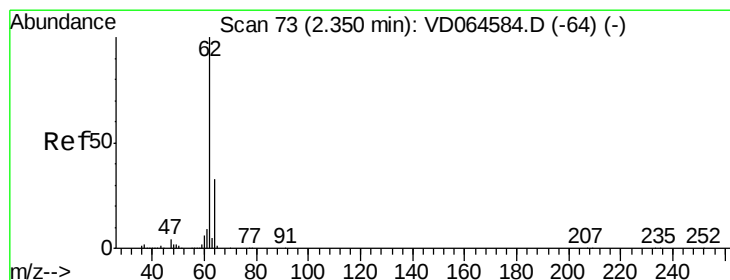
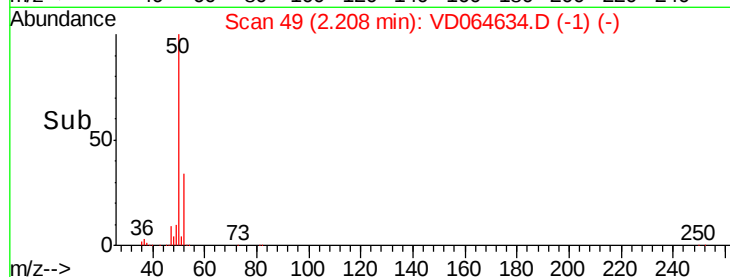
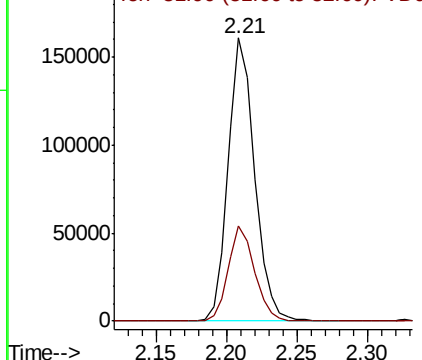
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.824 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064634.D

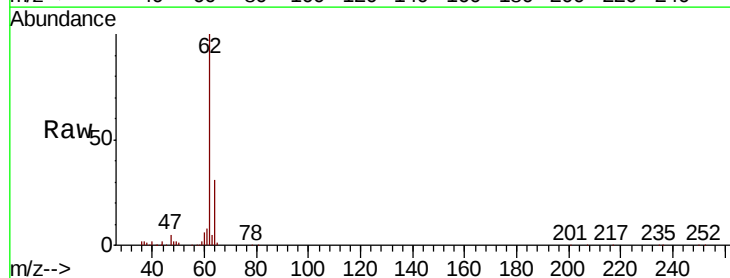
Acq: 27 Dec 2019 09:53

Tgt Ion: 62 Resp: 265030

Ion Ratio Lower Upper

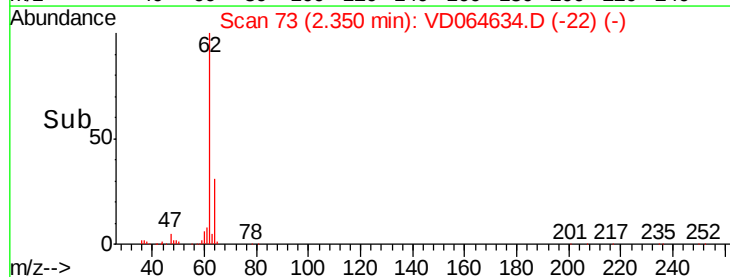
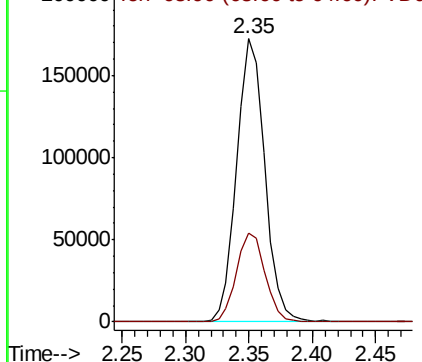
62 100

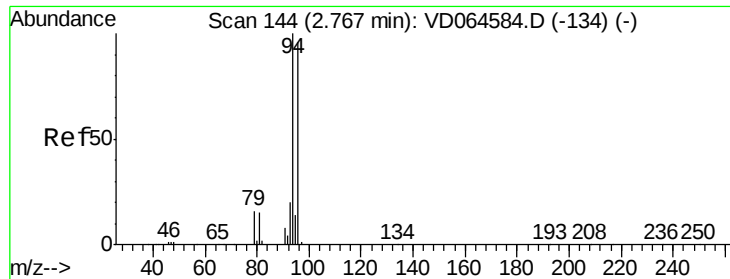
64 31.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.508 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 179614

Ion Ratio Lower Upper

94 100

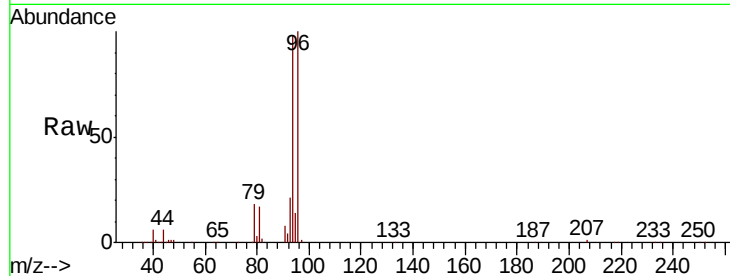
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Manual Integrations

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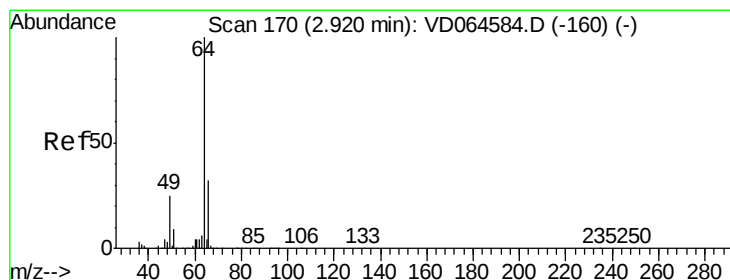
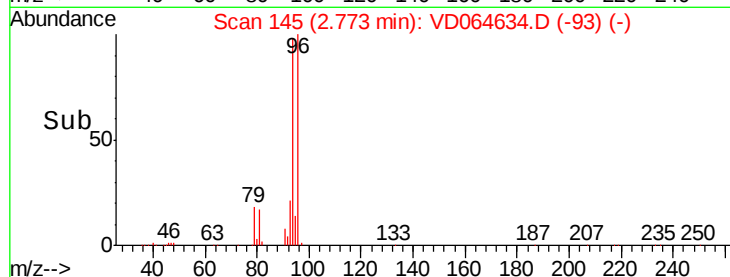
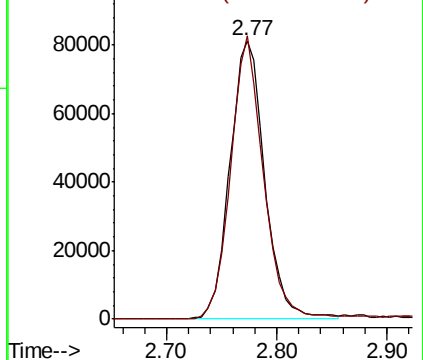
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.097 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064634.D

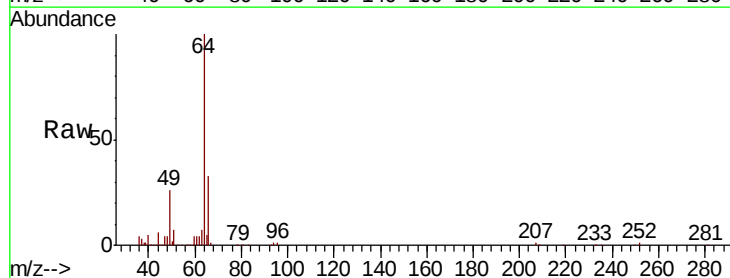
Acq: 27 Dec 2019 09:53

Tgt Ion: 64 Resp: 178578

Ion Ratio Lower Upper

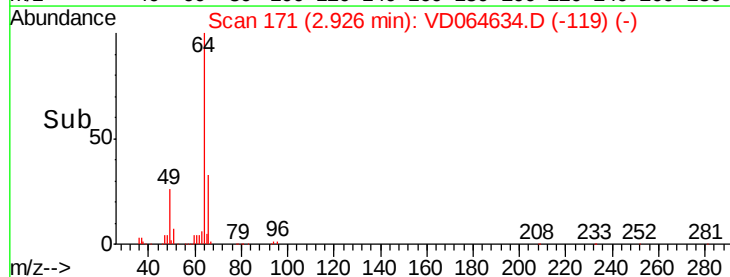
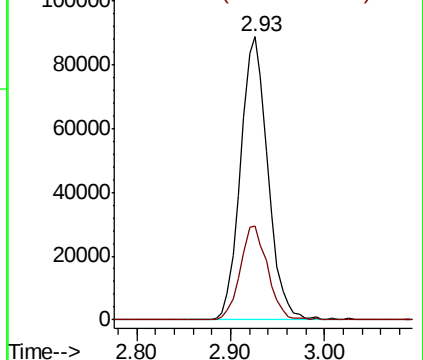
64 100

66 33.0 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

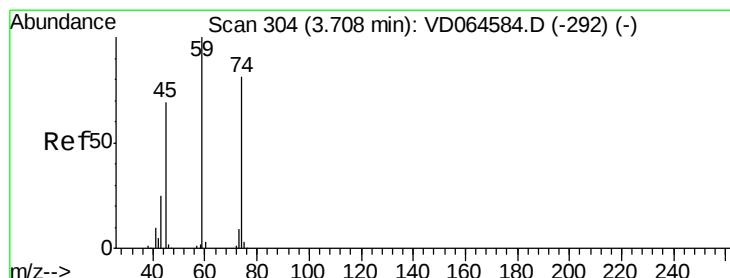
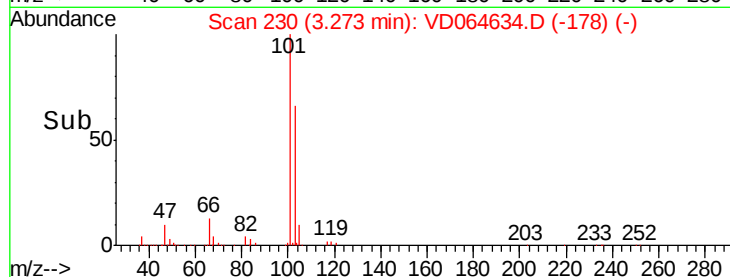
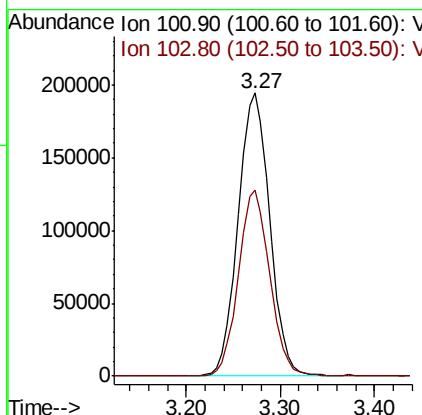
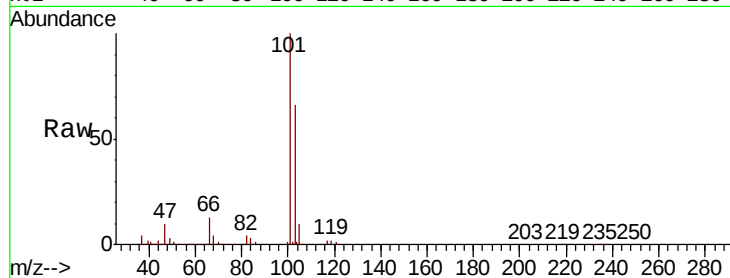
Trichlorofluoromethane
 Concen: 49.767 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.4

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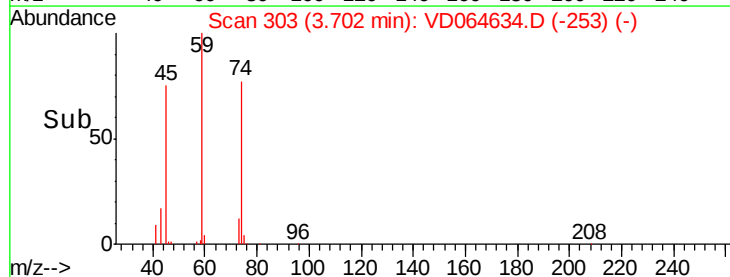
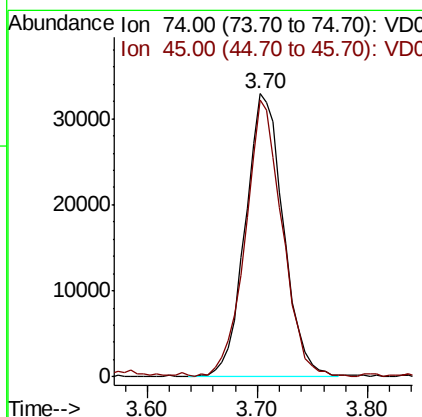
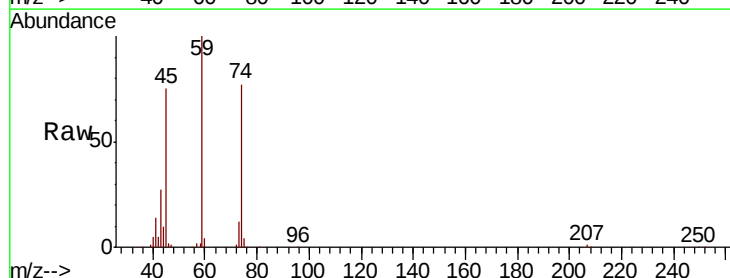
apatel
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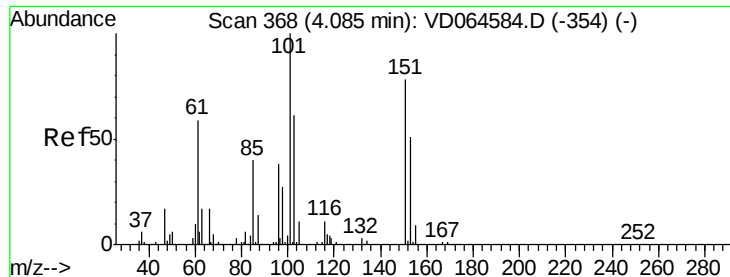


#8

Diethyl Ether
 Concen: 43.718 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	95.5	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.447 ug/l

RT: 4.08 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

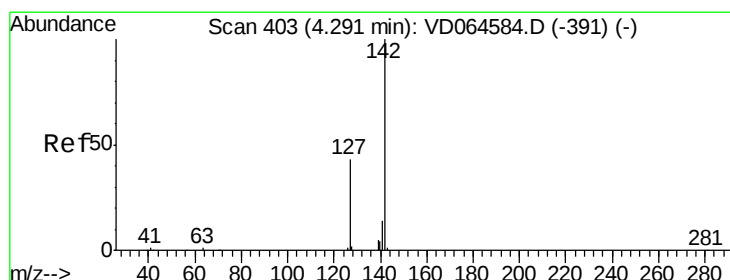
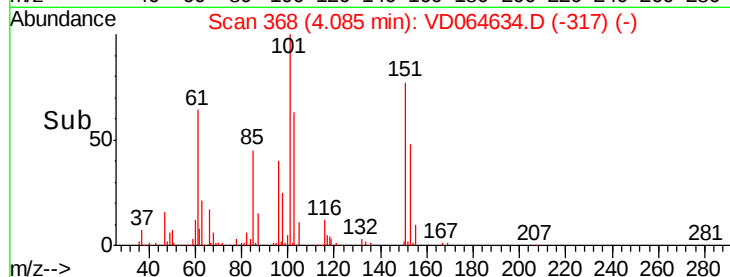
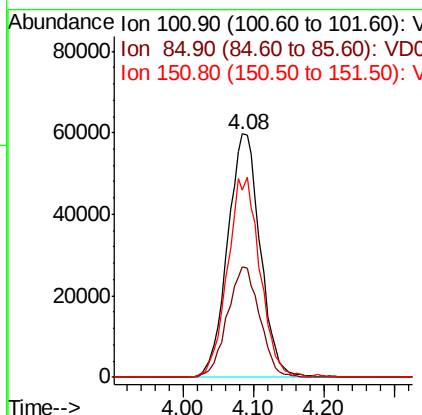
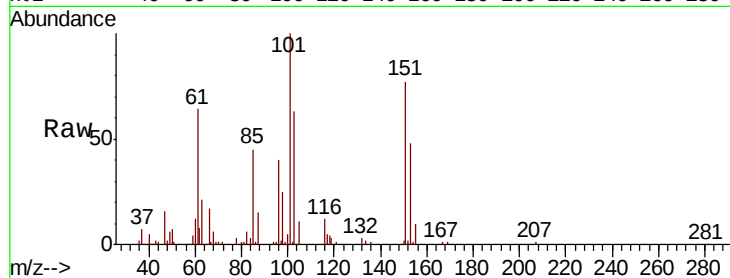
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	190954
Ion Ratio	Lower	Upper	
101	100		
85	45.0	35.2	52.8
151	81.9	66.2	99.4

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#10

Methyl Iodide

Concen: 51.757 ug/l

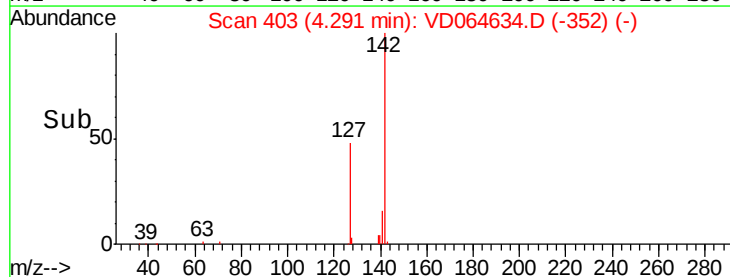
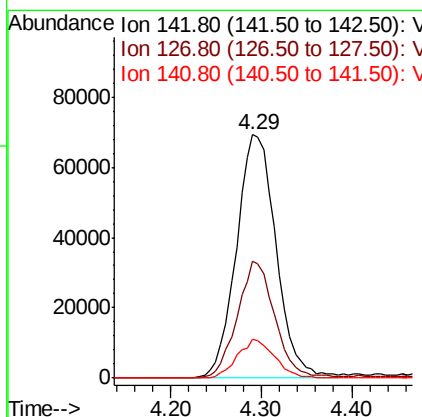
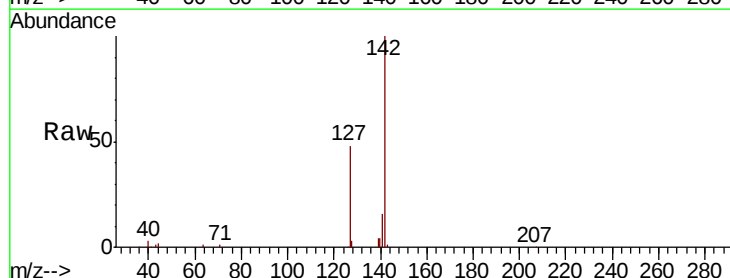
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion:	142	Resp:	210442
Ion Ratio	Lower	Upper	
142	100		
127	45.3	36.2	54.4
141	14.9	11.8	17.8





#11

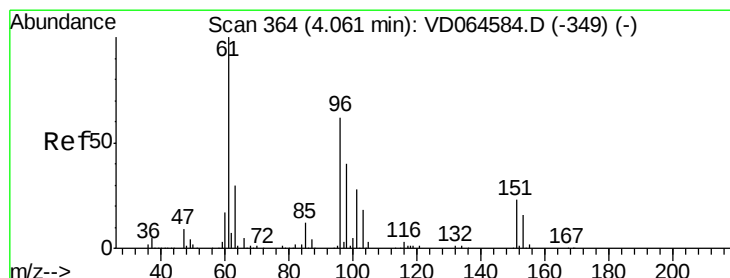
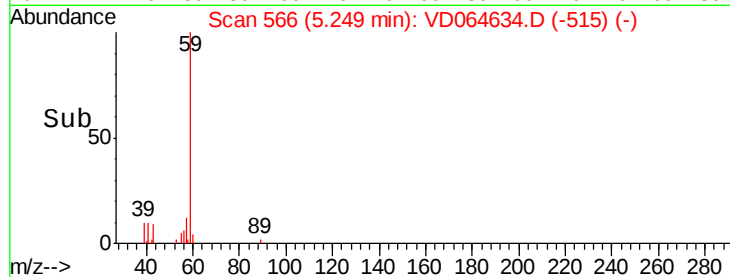
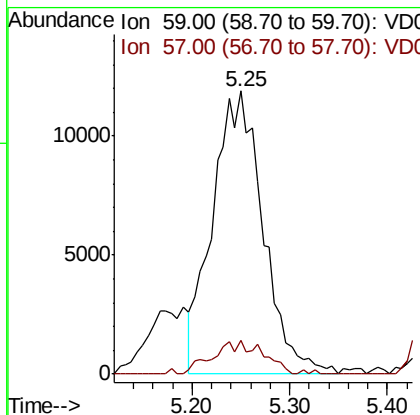
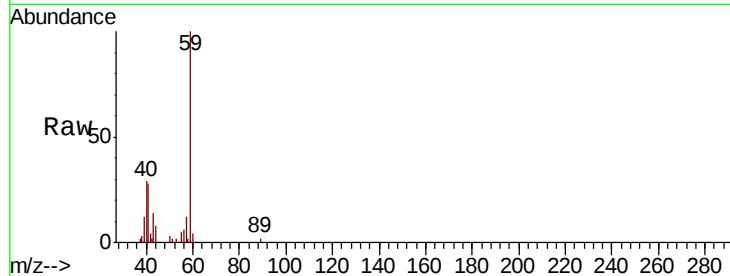
Tert butyl alcohol
 Concen: 206.568 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.6	9.3	13.9#

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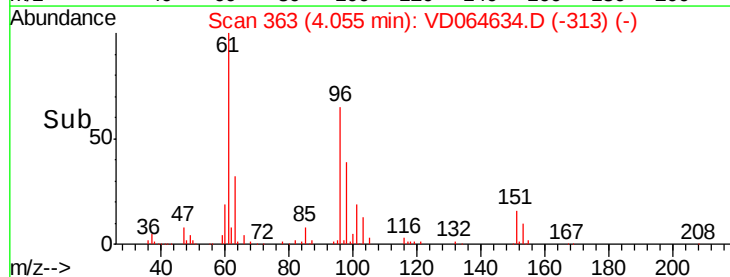
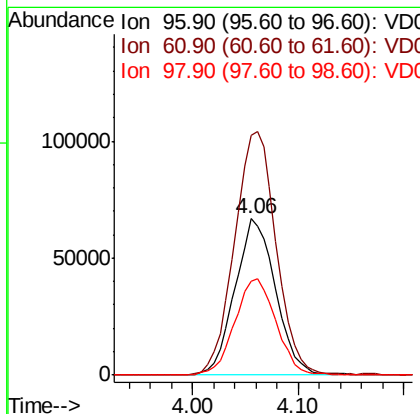
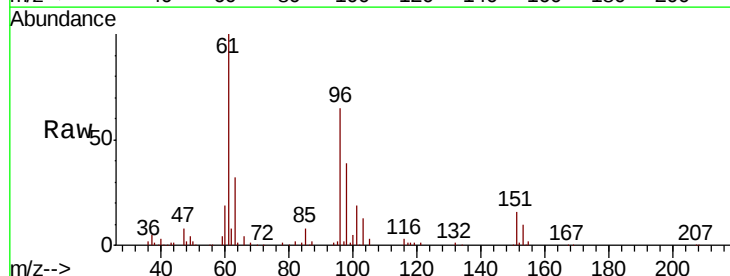
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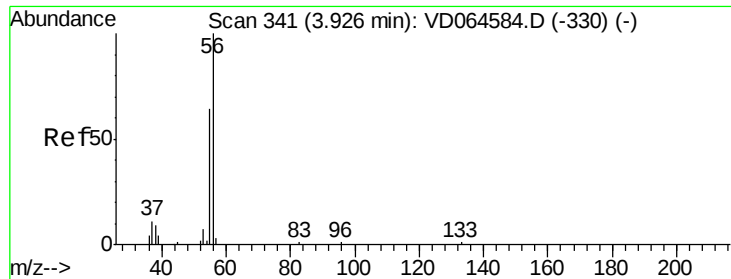


#12

1,1-Dichloroethene
 Concen: 49.446 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.0	129.4	194.0
98	60.3	51.4	77.0





#13

Acrolein

Concen: 227.052 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 65502

Ion Ratio Lower Upper

56 100

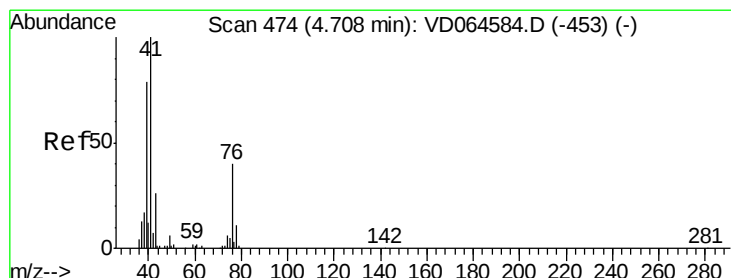
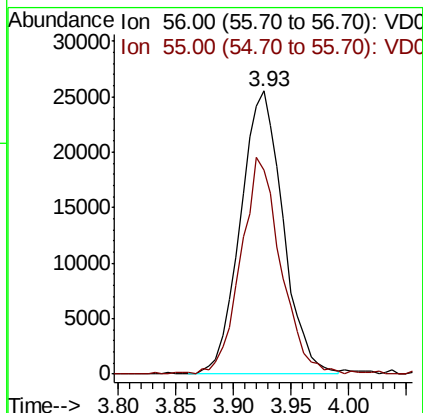
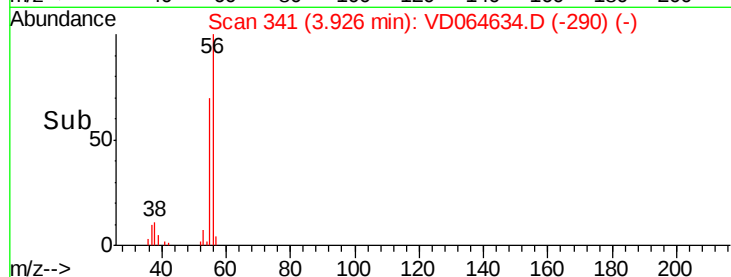
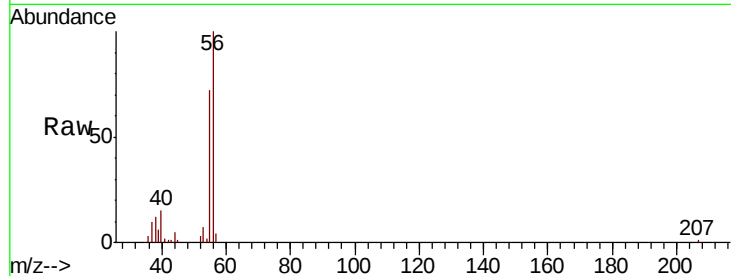
55 72.0 56.7 85.1

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#14

Allyl chloride

Concen: 47.811 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

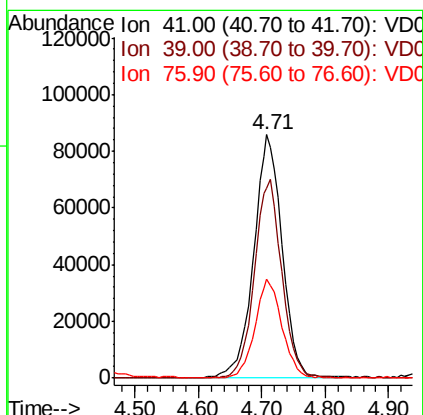
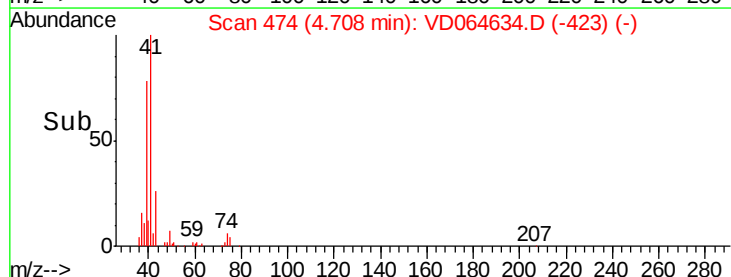
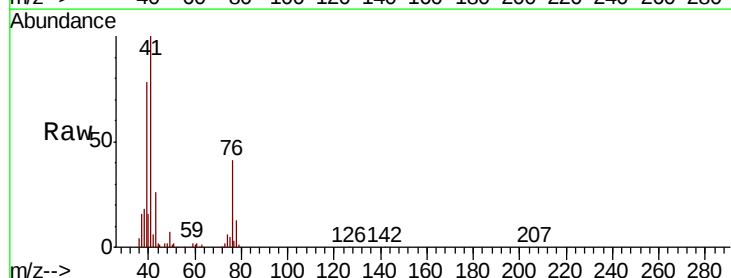
Tgt Ion: 41 Resp: 268637

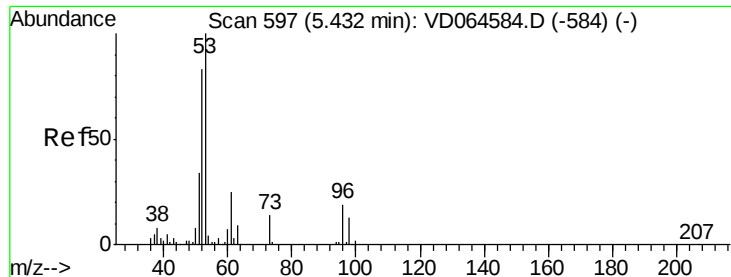
Ion Ratio Lower Upper

41 100

39 78.0 62.3 93.5

76 38.6 29.7 44.5





#15

Acrylonitrile

Concen: 224.823 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

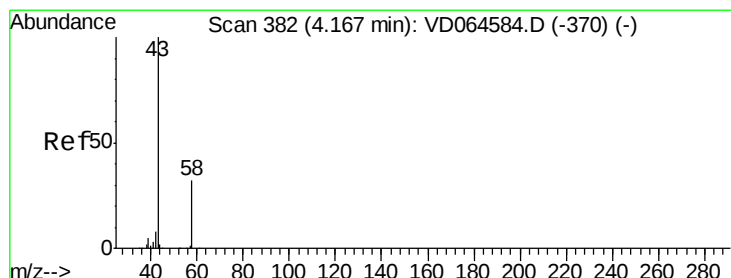
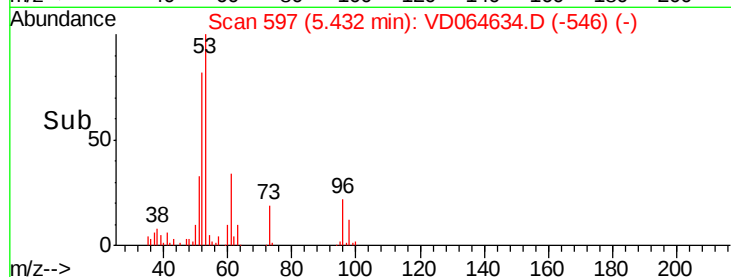
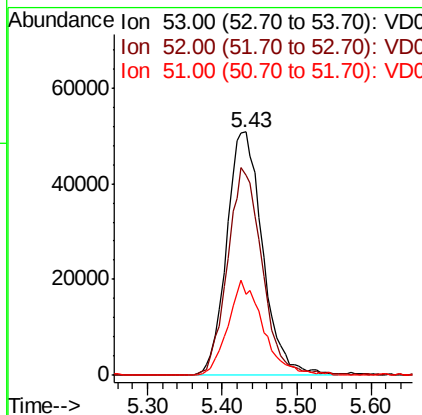
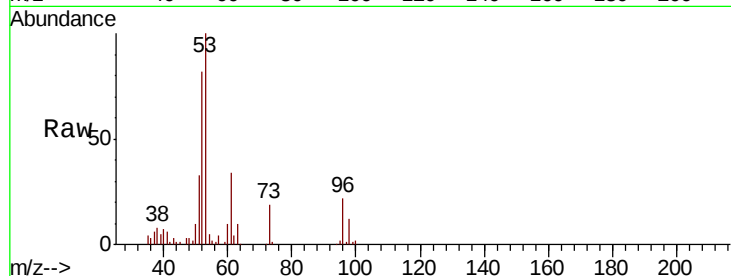
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	169968
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	38.4	30.1	45.1

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#16

Acetone

Concen: 284.126 ug/l

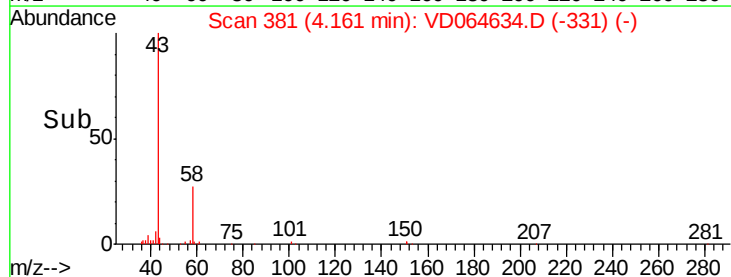
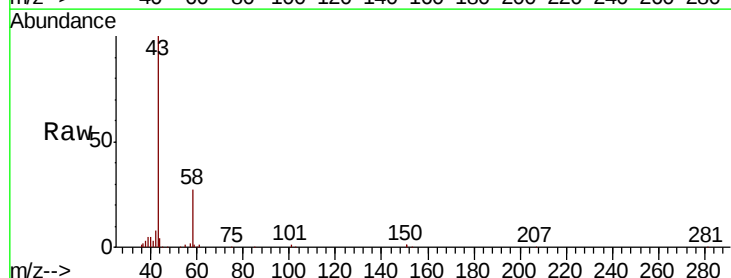
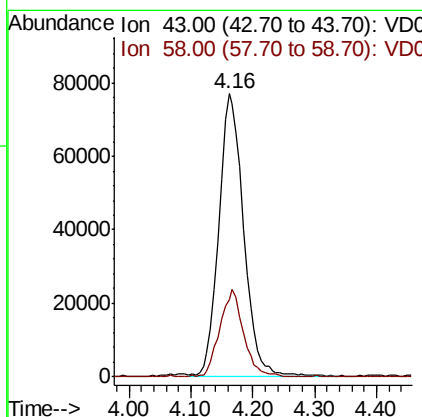
RT: 4.16 min Scan# 381

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion:	43	Resp:	212884
Ion Ratio	Lower	Upper	
43	100		
58	27.3	25.8	38.6





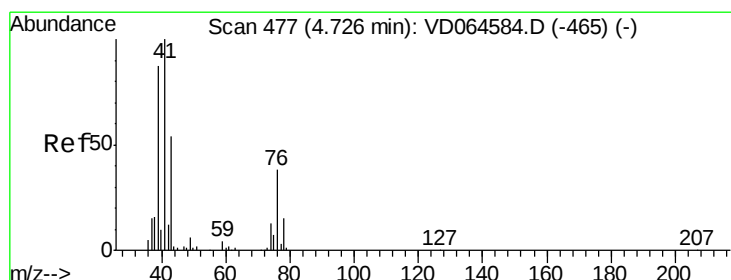
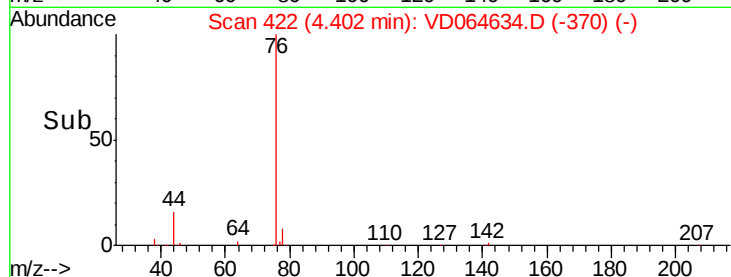
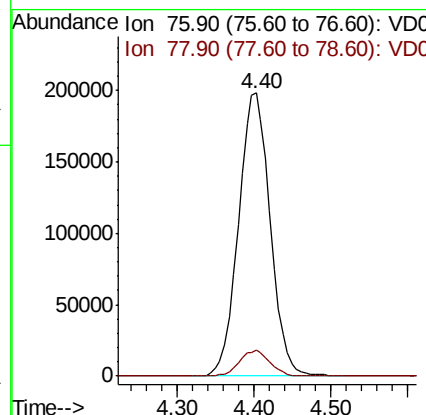
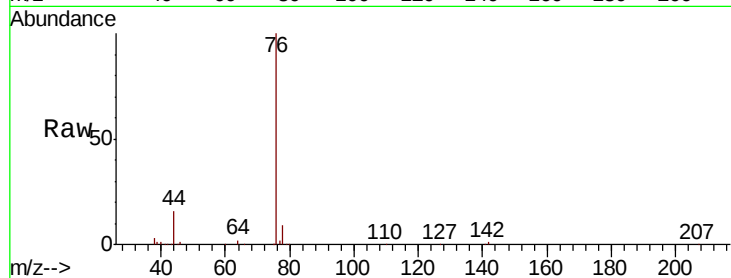
#17
Carbon Disulfide
Concen: 48.958 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

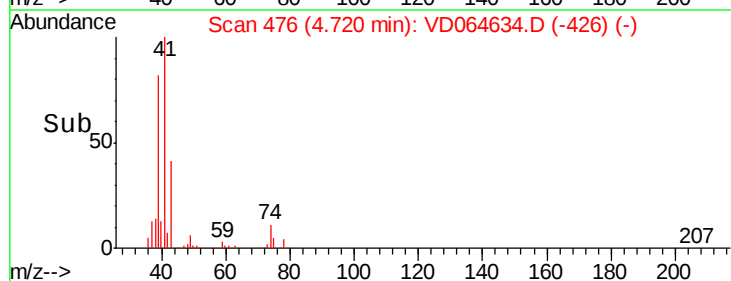
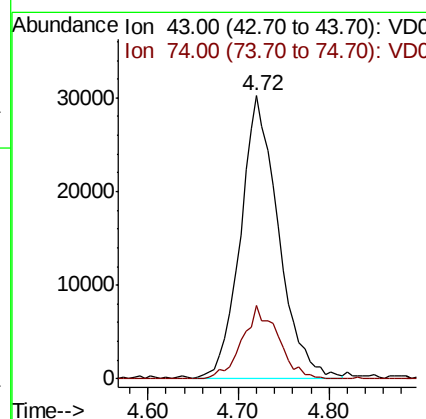
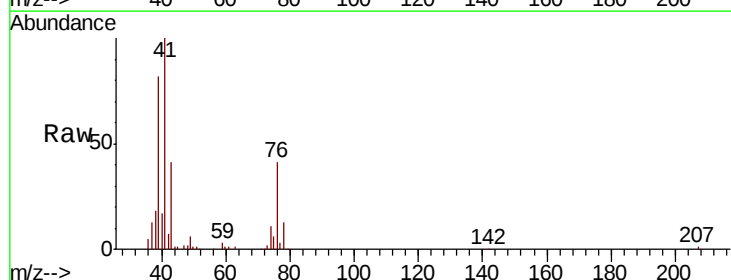
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#18
Methyl Acetate
Concen: 43.408 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.2	28.8





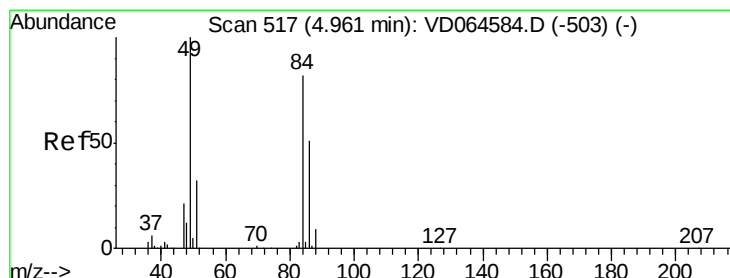
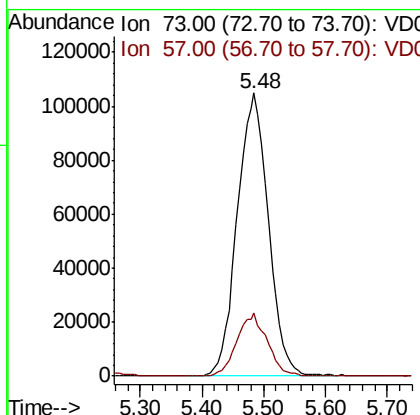
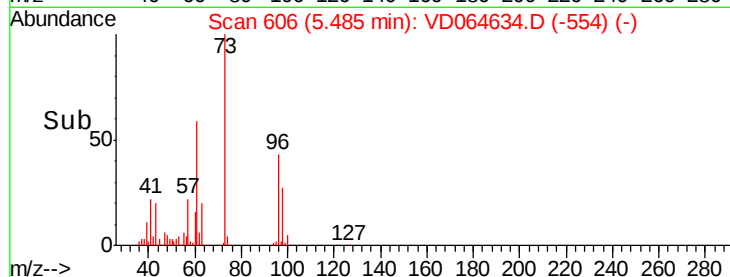
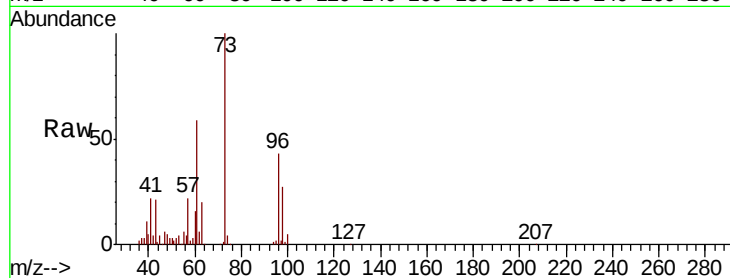
#19
Methvl tert-butvl Ether
Concen: 45.859 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 367078
Ion Ratio Lower Upper
73 100
57 22.3 18.6 27.8

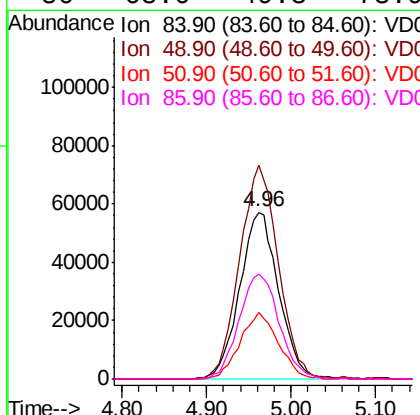
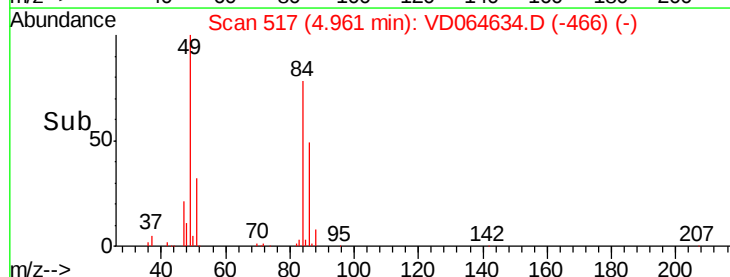
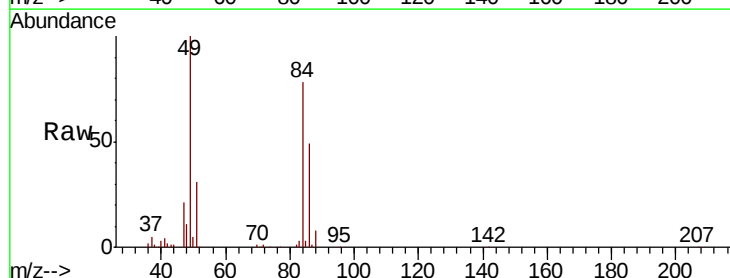
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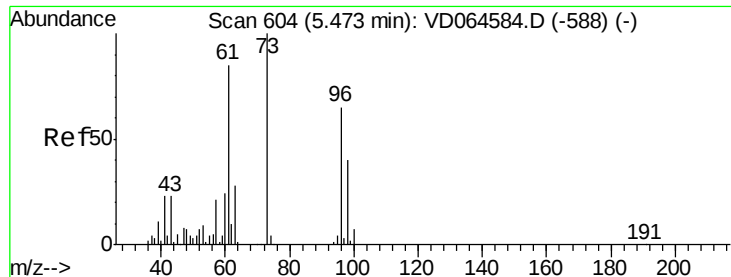
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#20
Methylene Chloride
Concen: 49.326 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 84 Resp: 182455
Ion Ratio Lower Upper
84 100
49 128.2 97.2 145.8
51 40.3 31.4 47.0
86 63.0 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 49.172 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 201806

Ion Ratio Lower Upper

96 100

61 128.0 104.7 157.1

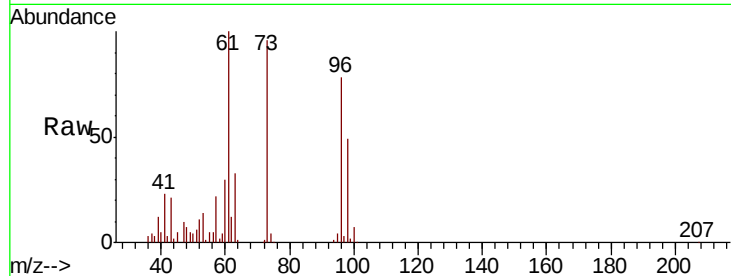
98 62.6 49.4 74.2

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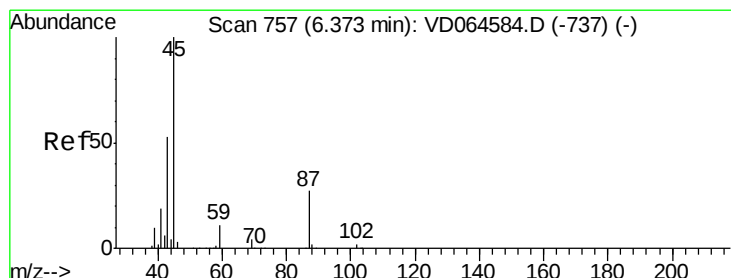
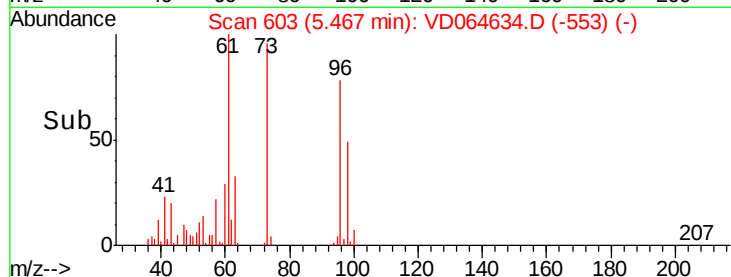
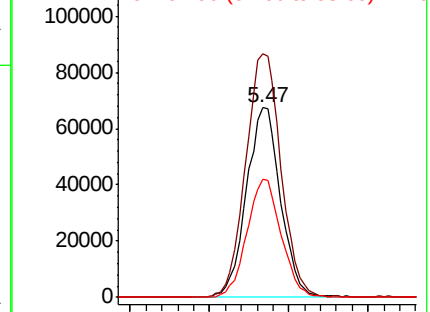


Abundance

Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.218 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion: 45 Resp: 529170

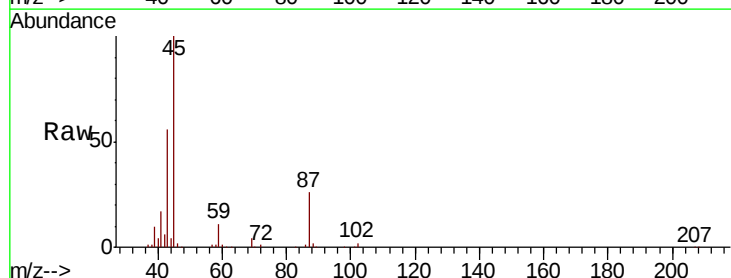
Ion Ratio Lower Upper

45 100

43 55.4 43.2 64.8

87 26.2 21.9 32.9

59 10.7 9.0 13.4



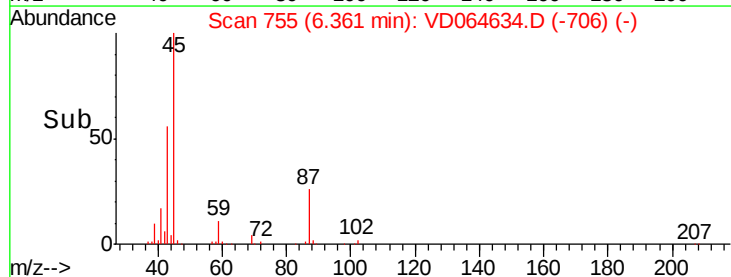
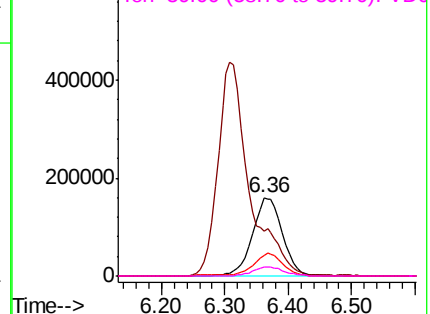
Abundance

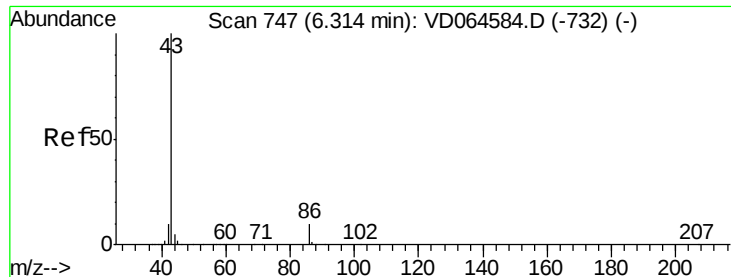
Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 237.507 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1509898

Ion Ratio Lower Upper

43 100

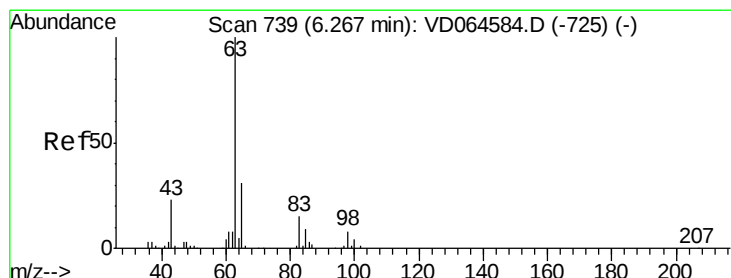
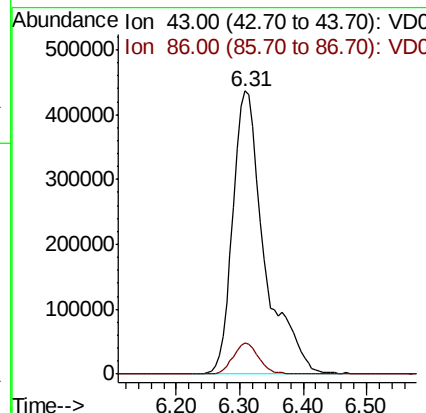
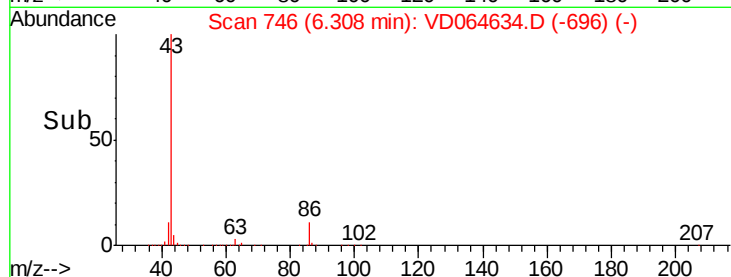
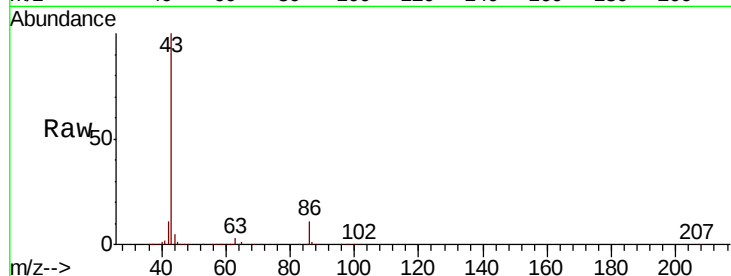
86 11.1 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 49.265 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

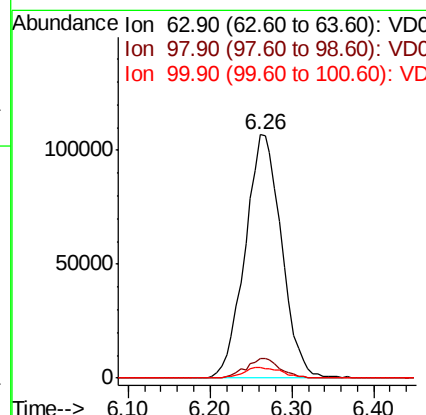
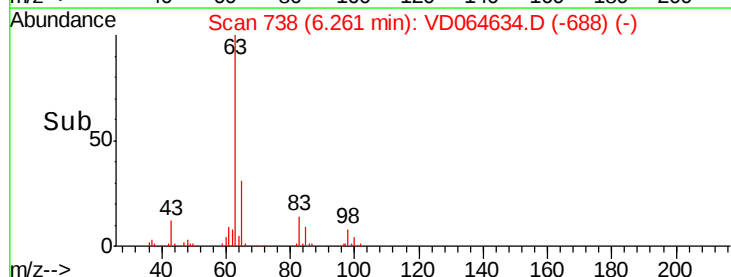
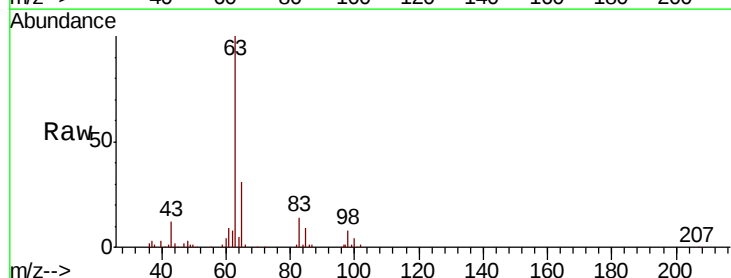
Tgt Ion: 63 Resp: 331452

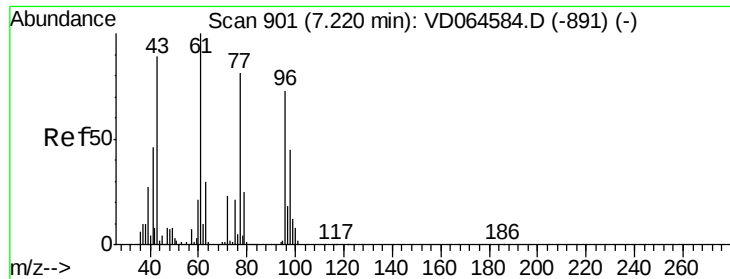
Ion Ratio Lower Upper

63 100

98 8.1 4.1 12.3

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 244.935 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 243181

Ion Ratio Lower Upper

43 100

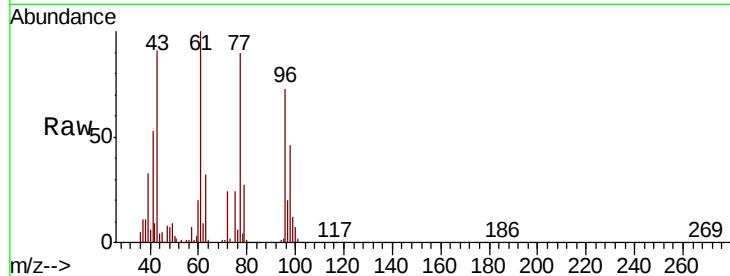
72 26.3 20.7 31.1

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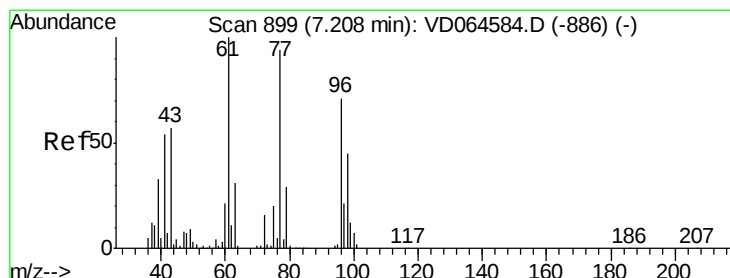
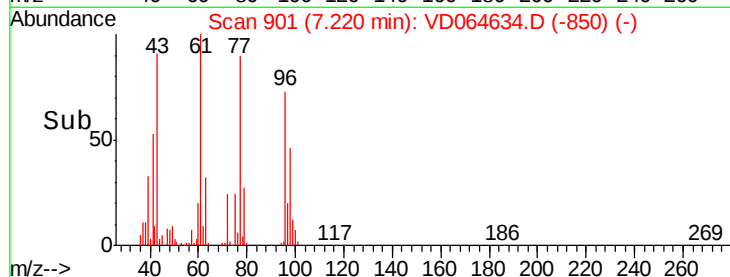
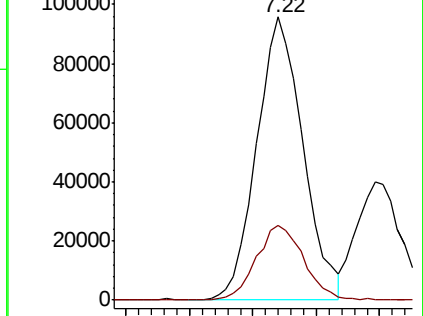
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.454 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064634.D

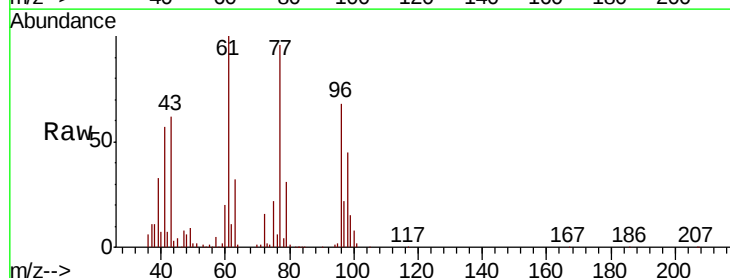
Acq: 27 Dec 2019 09:53

Tgt Ion: 77 Resp: 309352

Ion Ratio Lower Upper

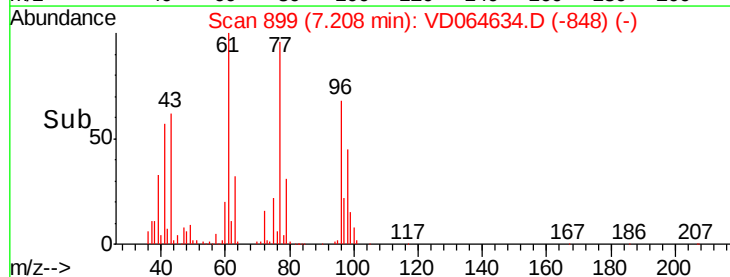
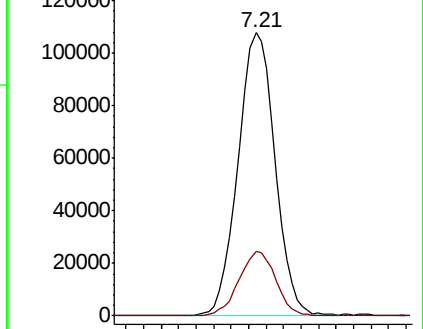
77 100

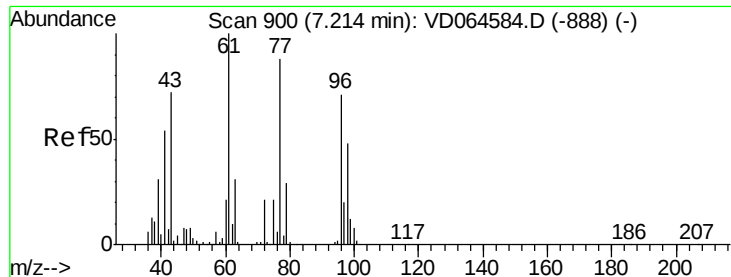
97 22.7 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

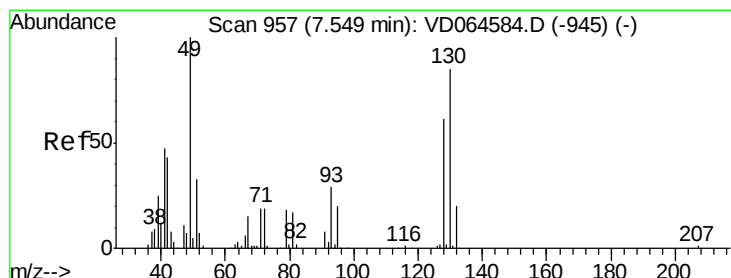
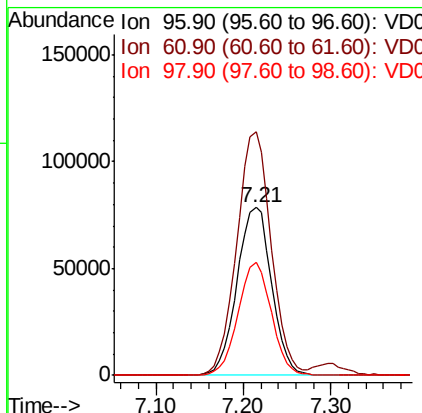
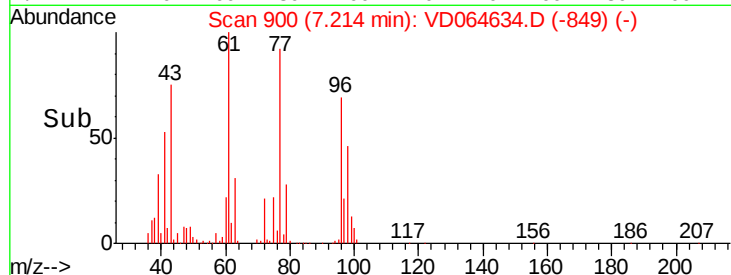
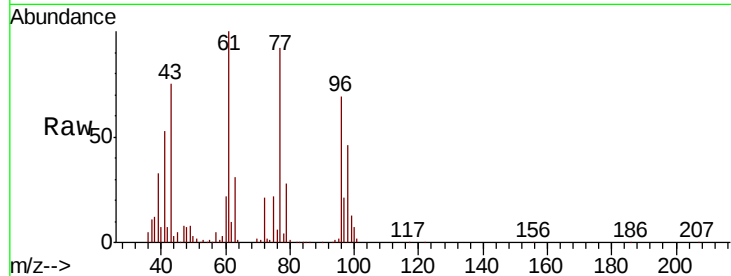
cis-1,2-Dichloroethene
Concen: 47.721 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	211369		
61	143.5	0.0	282.6	
98	64.3	0.0	130.8	

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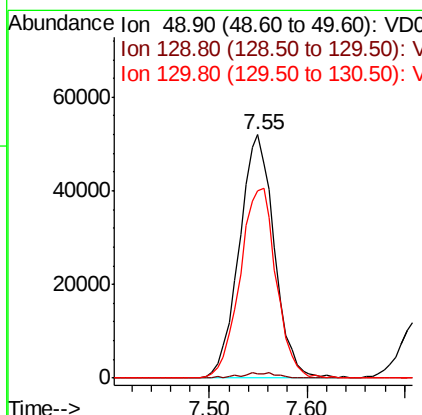
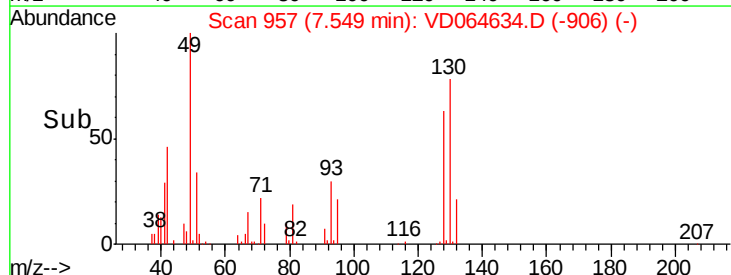
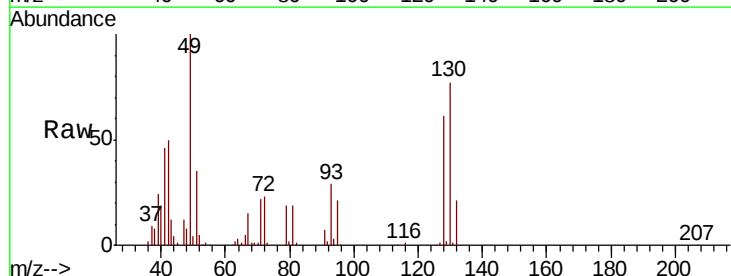
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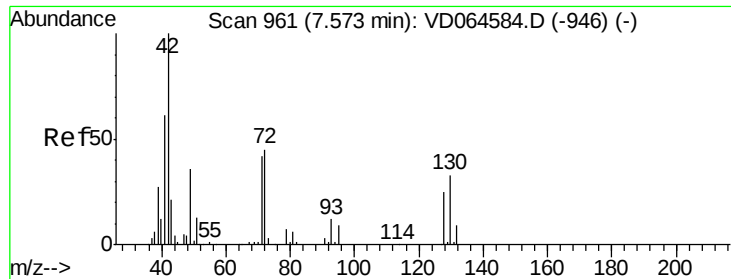


#28

Bromochloromethane
Concen: 49.998 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130761		
129	2.2	0.0	4.8	
130	80.3	65.0	97.6	





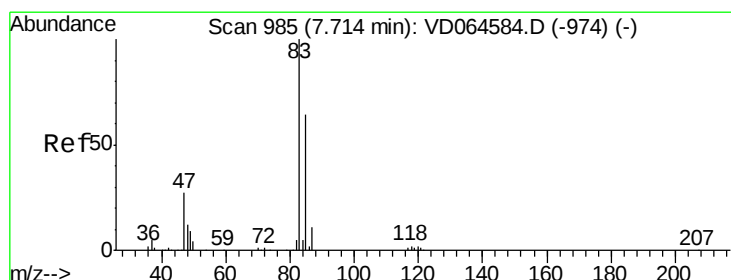
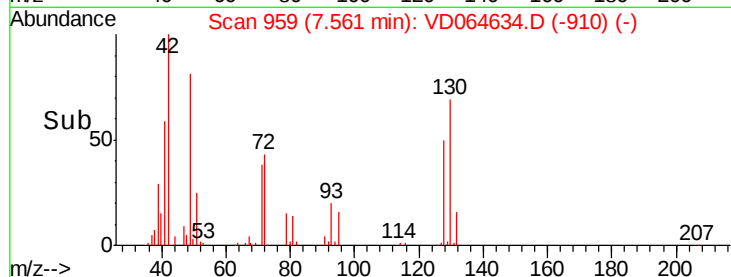
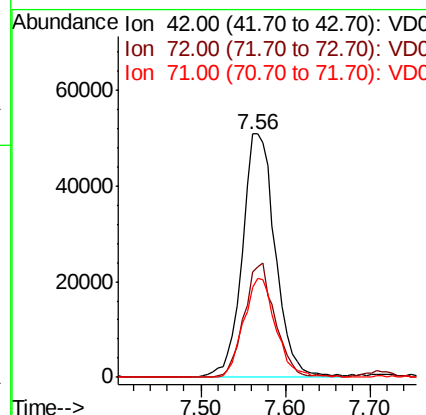
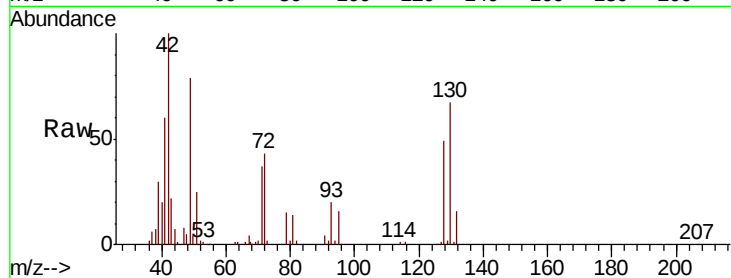
#29
Tetrahydrofuran
Concen: 223.157 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	35.0	52.4
71	39.8	32.9	49.3

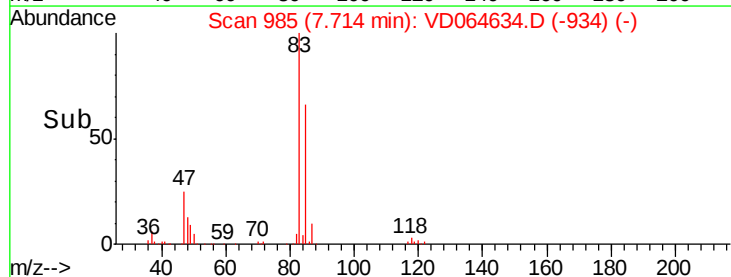
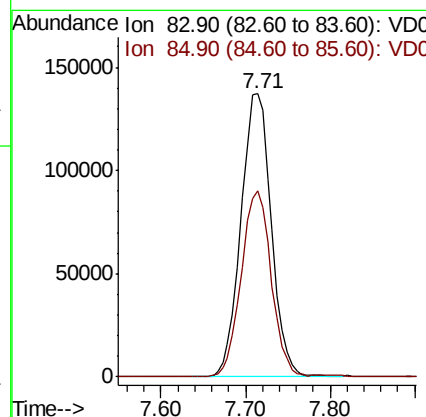
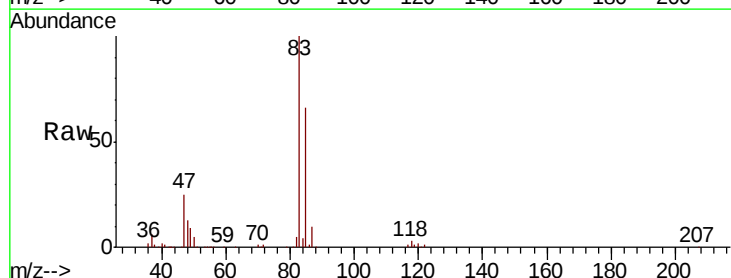
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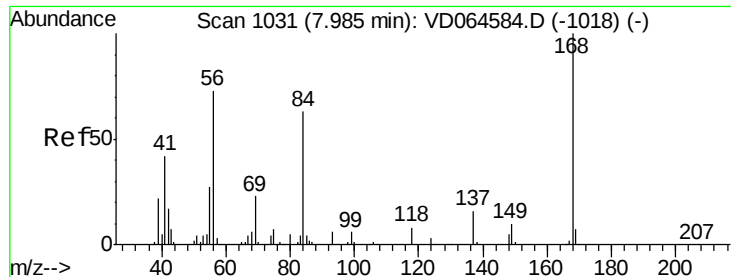
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#30
Chloroform
Concen: 48.331 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	51.1	76.7





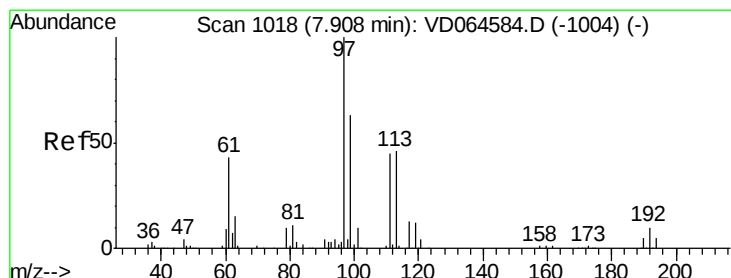
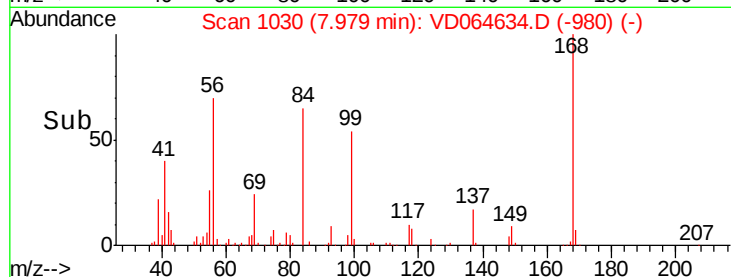
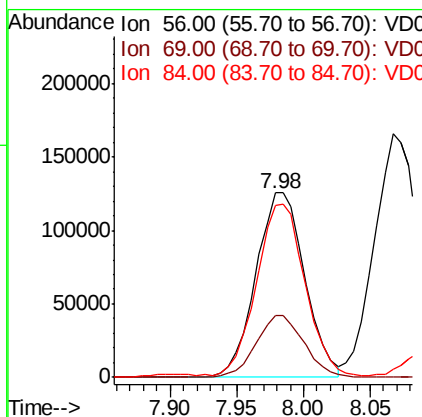
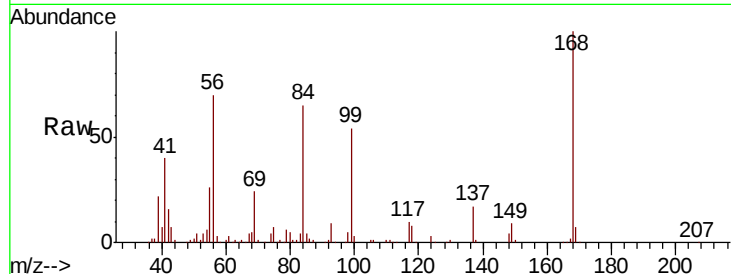
#31
Cyclohexane
Concen: 47.337 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.8	24.7	37.1
84	91.8	69.4	104.2

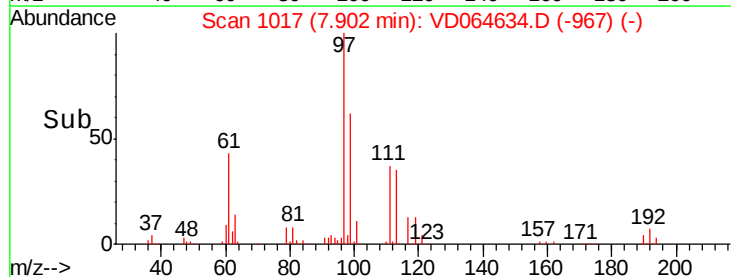
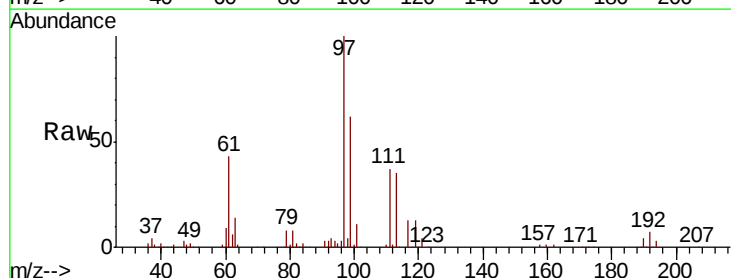
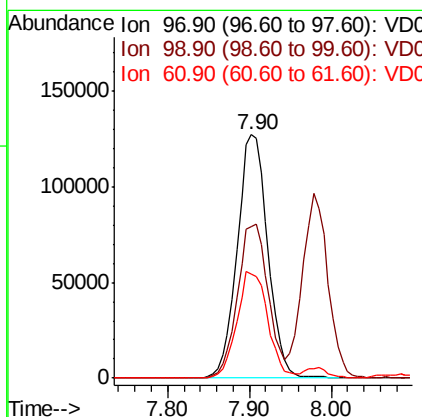
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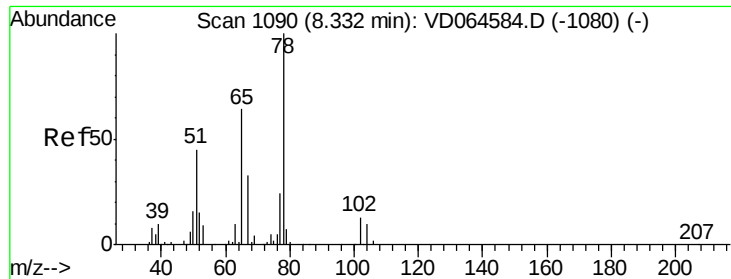
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#32
1,1,1-Trichloroethane
Concen: 49.780 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.0	76.6
61	44.4	35.4	53.0





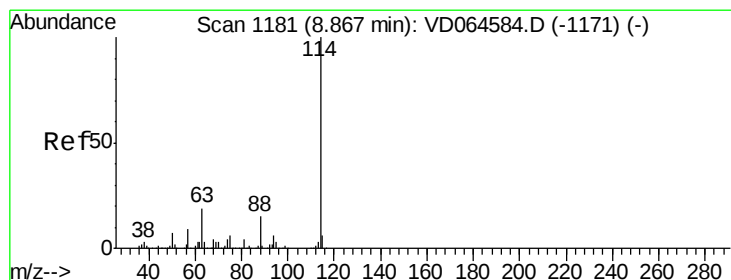
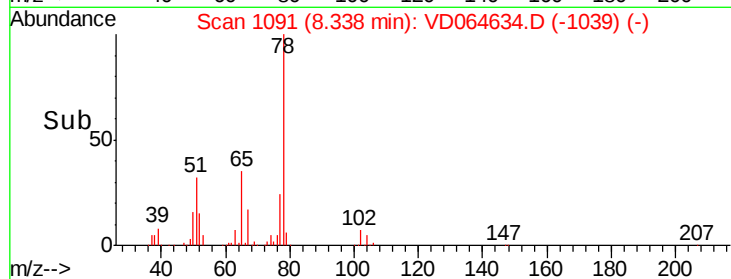
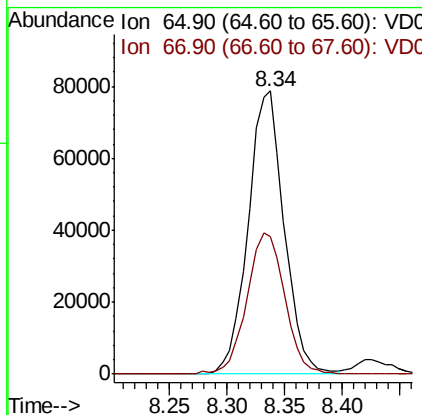
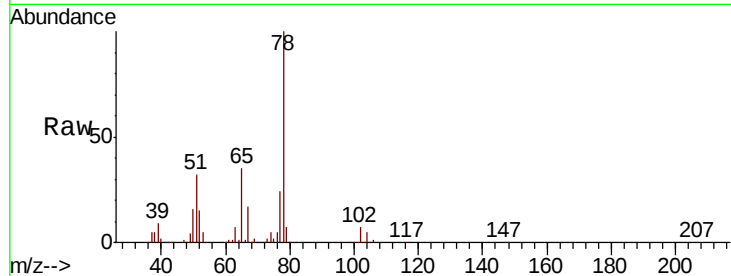
#33
 1,2-Dichloroethane-d4
 Concen: 47.386 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	171156		
67	52.6	0.0	106.2	

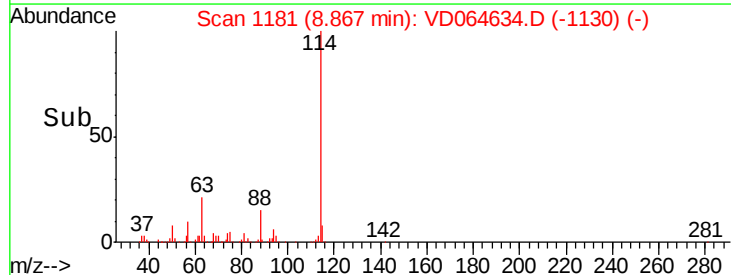
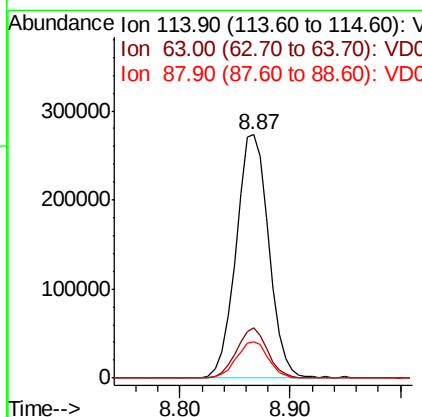
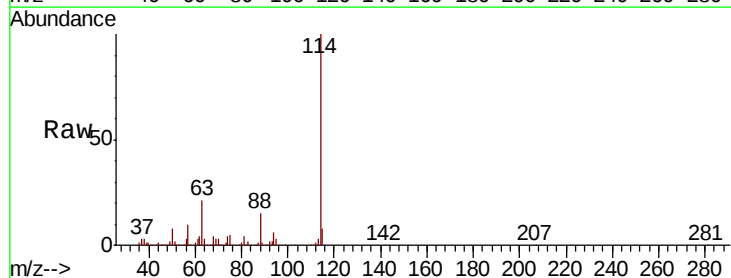
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	568518		
63	20.5	0.0	38.0	
88	14.8	0.0	29.2	





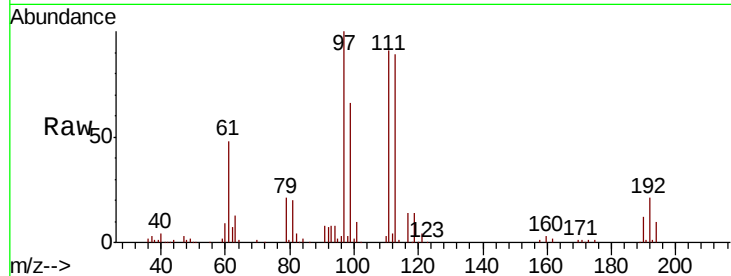
#35
 Dibromofluoromethane
 Concen: 50.200 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	175094		
111	104.0	80.6	121.0	
192	22.4	17.9	26.9	

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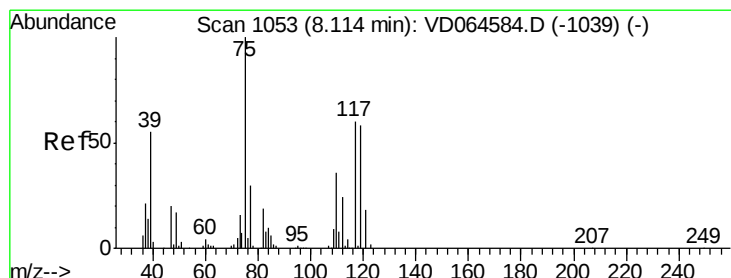
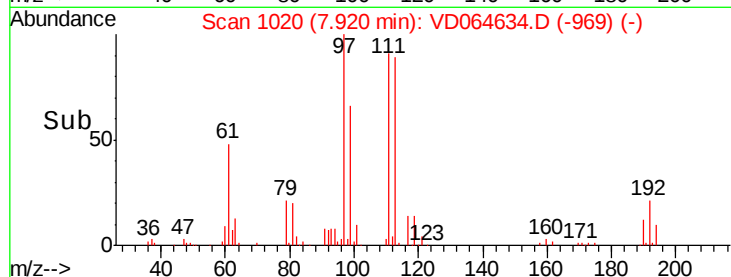
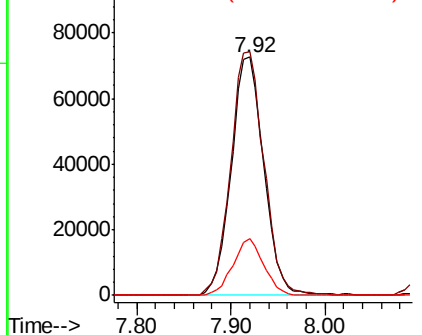


Abundance

Ion 112.80 (112.50 to 113.50): V

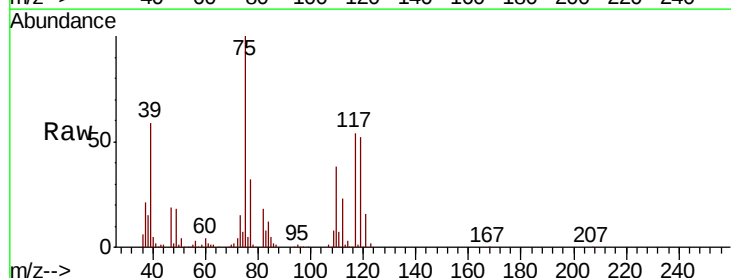
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 52.046 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	284795		
110	36.0	18.1	54.1	
77	31.2	24.2	36.4	

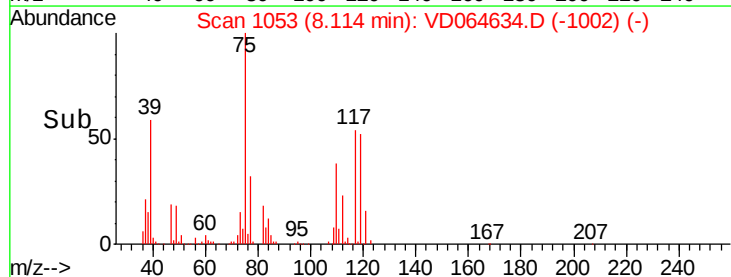
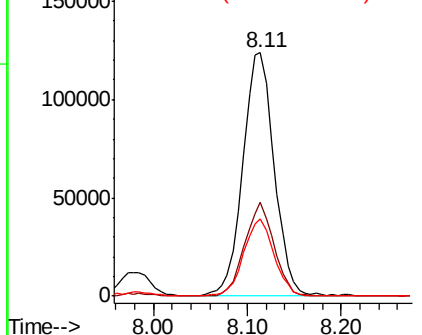


Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





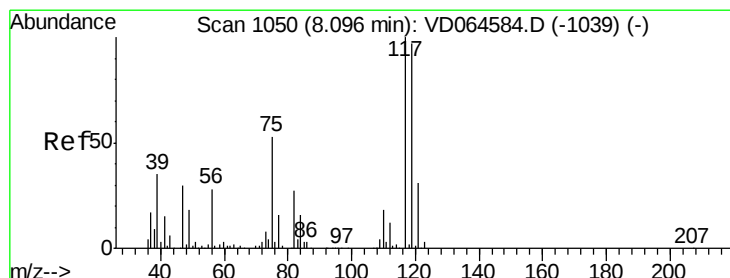
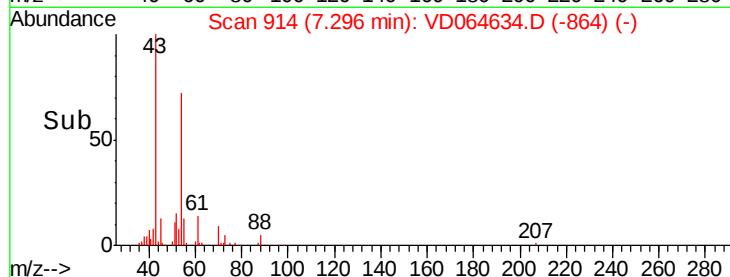
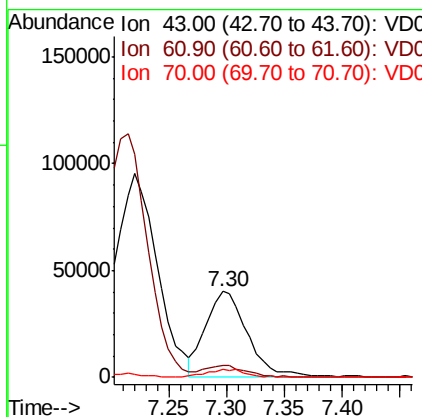
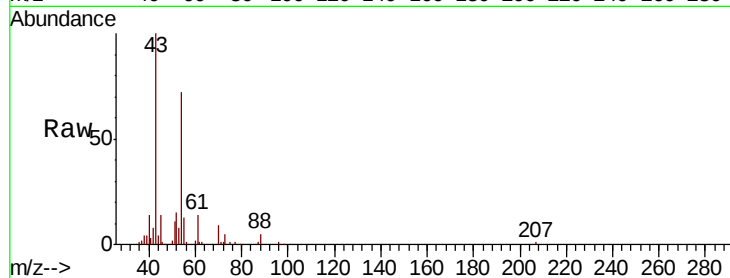
#37
Ethyl Acetate
Concen: 46.213 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	10.3	15.5
70	9.5	7.6	11.4

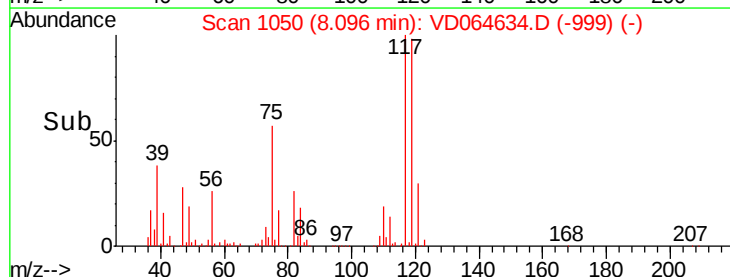
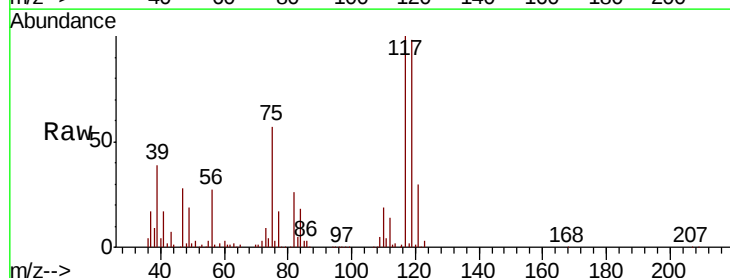
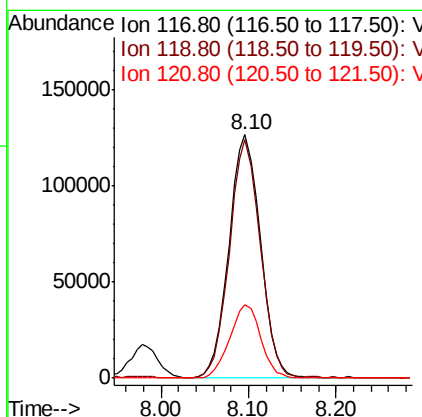
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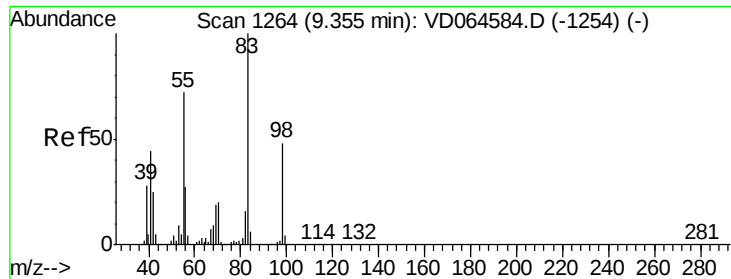
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#38
Carbon Tetrachloride
Concen: 52.946 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.7	77.3	115.9
121	30.3	25.0	37.6





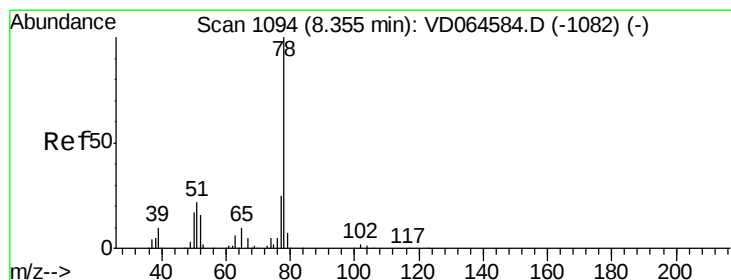
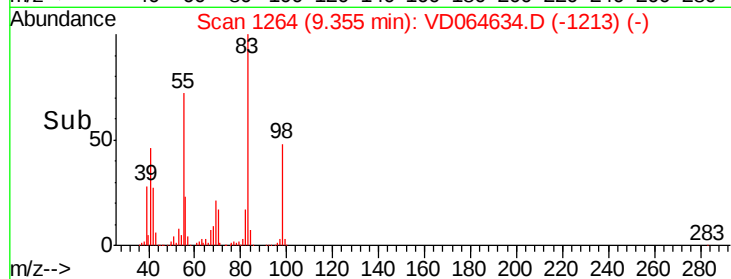
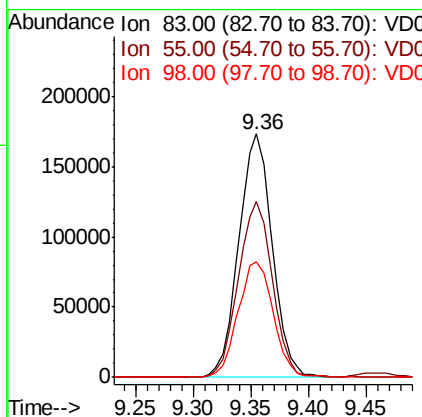
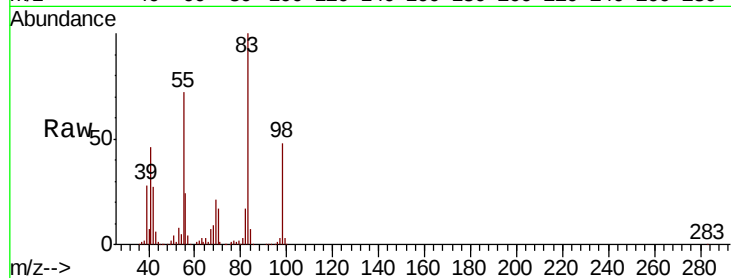
#39
Methvlcvclohexane
Concen: 52.827 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.3	57.8	86.6
98	47.7	38.7	58.1

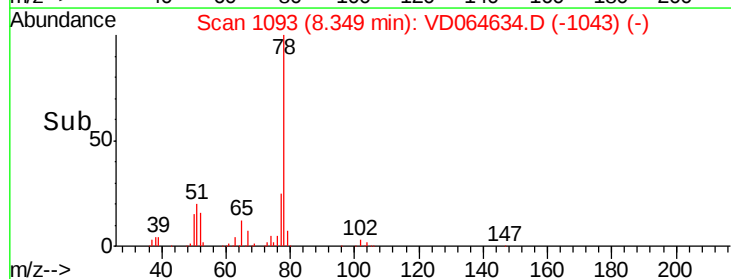
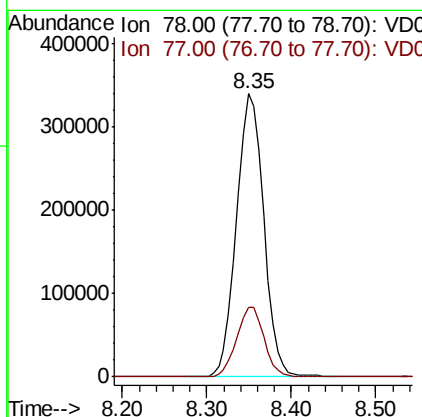
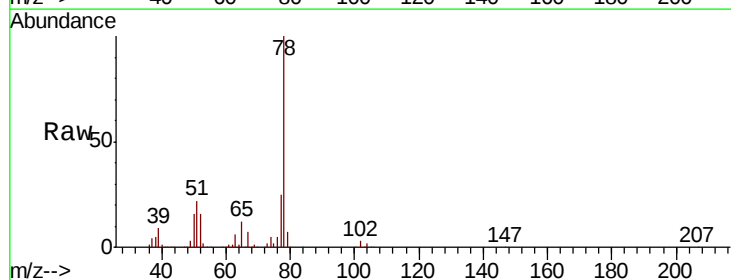
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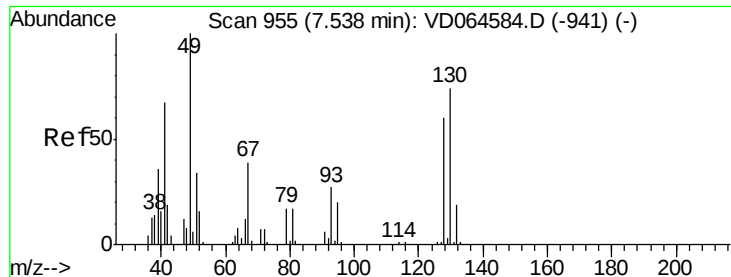
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#40
Benzene
Concen: 50.898 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.9	29.9





#41

Methacrylonitrile

Concen: 54.213 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 67617
Ion Ratio Lower Upper

41 100

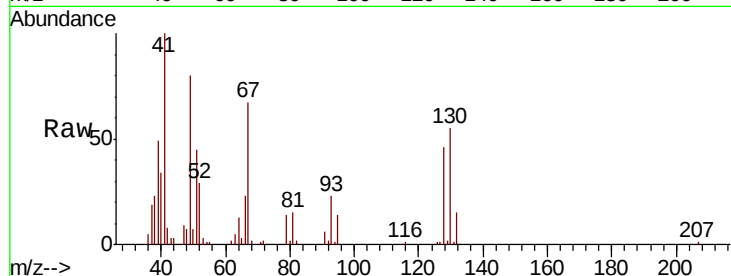
39 42.1 46.7 70.1#

67 62.2 52.5 78.7

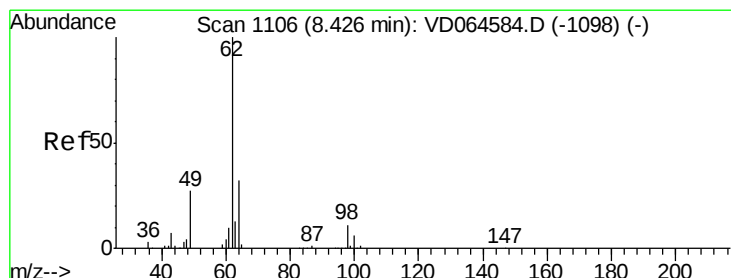
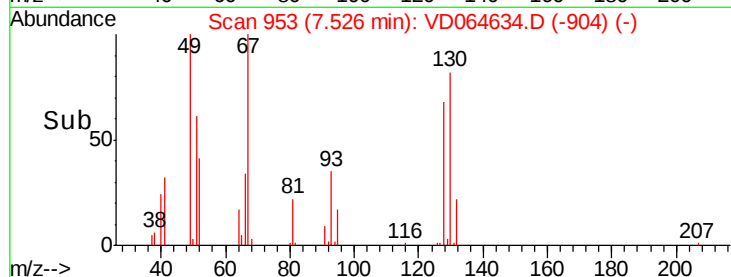
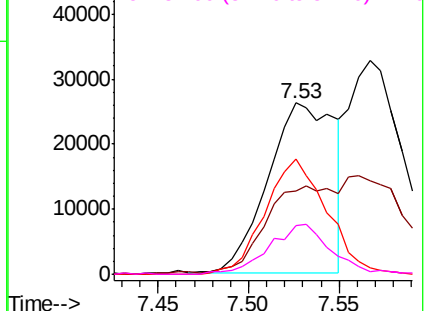
52 27.2 24.1 36.1

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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: 50.091 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

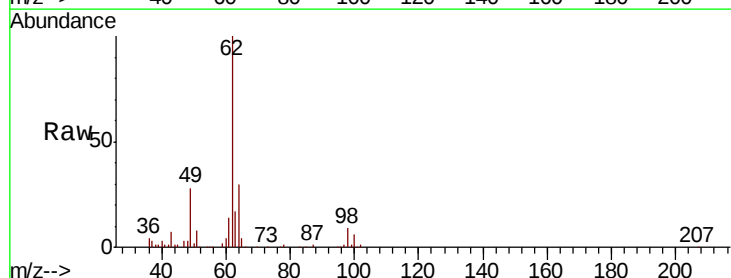
Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

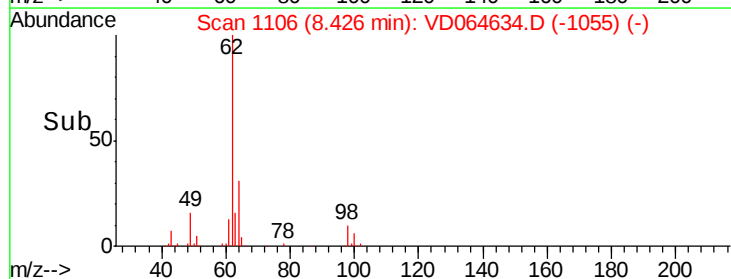
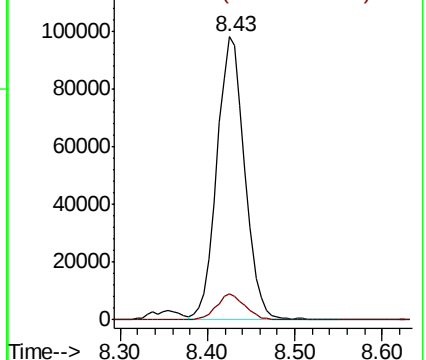
Tgt Ion: 62 Resp: 216225
Ion Ratio Lower Upper

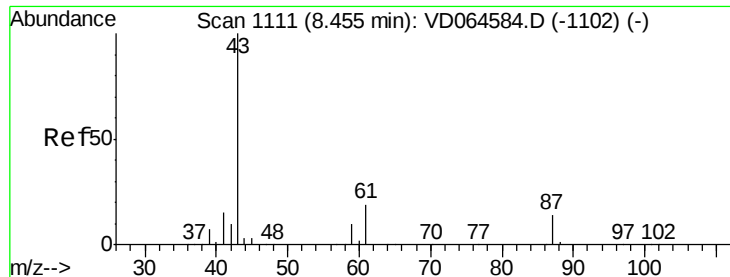
62 100

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: 46.658 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

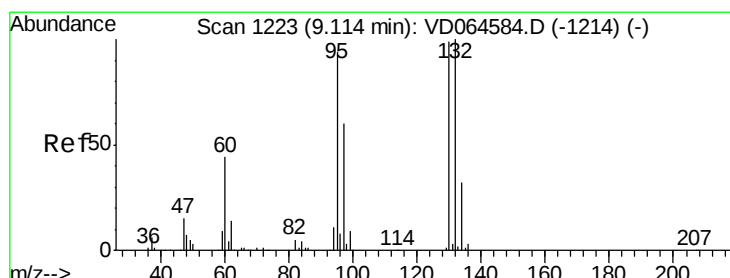
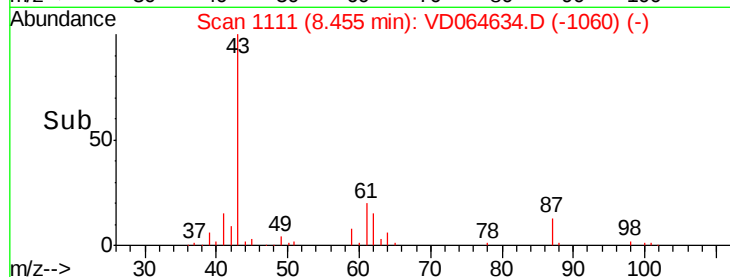
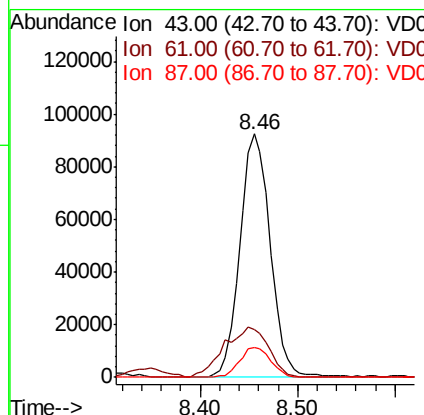
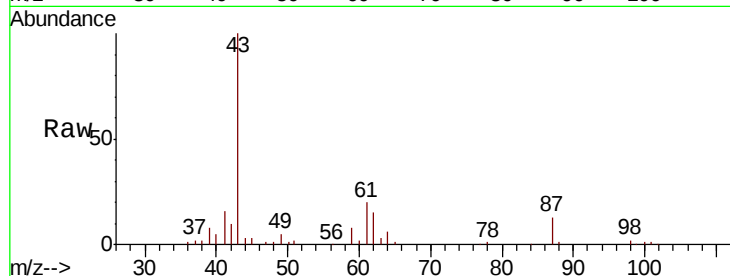
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	199639
Ion	Ratio	Lower	Upper
43	100		
61	29.5	23.7	35.5
87	12.7	10.5	15.7

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#44

Trichloroethene

Concen: 50.861 ug/l

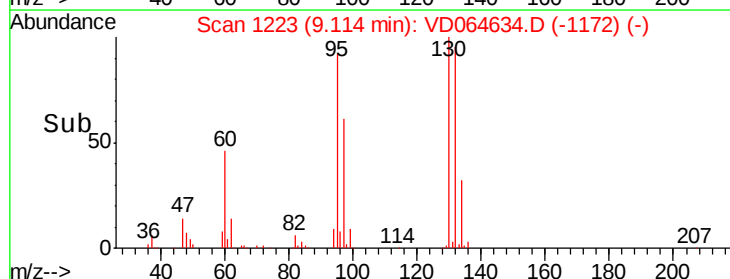
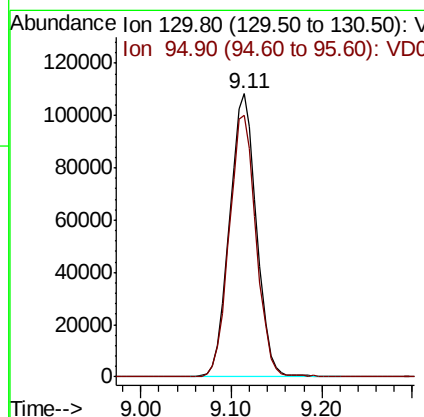
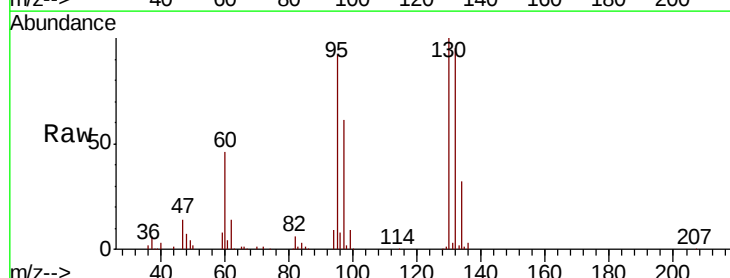
RT: 9.11 min Scan# 1223

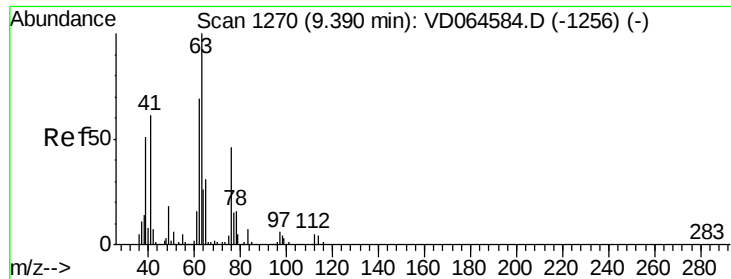
Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion:	130	Resp:	223192
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	190.2





#45

1,2-Dichloropropane

Concen: 50.263 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 179267

Ion Ratio Lower Upper

63 100

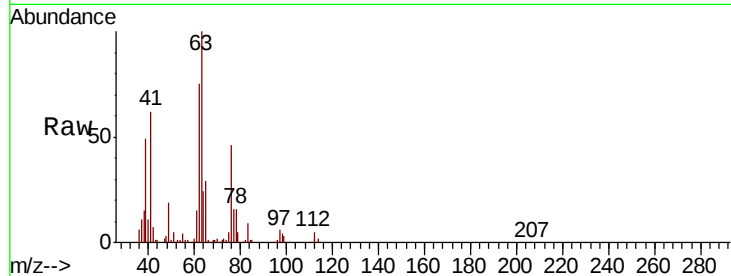
65 29.1 25.2 37.8

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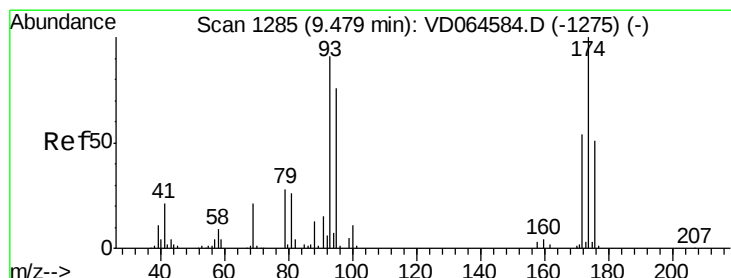
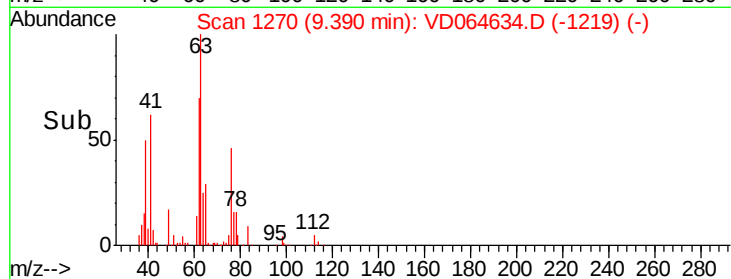
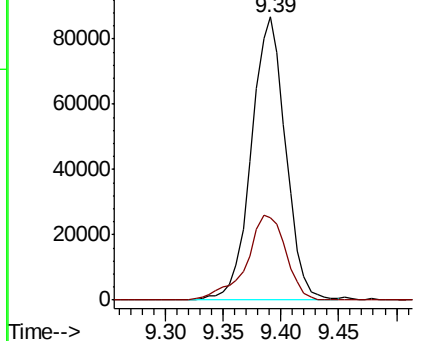
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 48.832 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

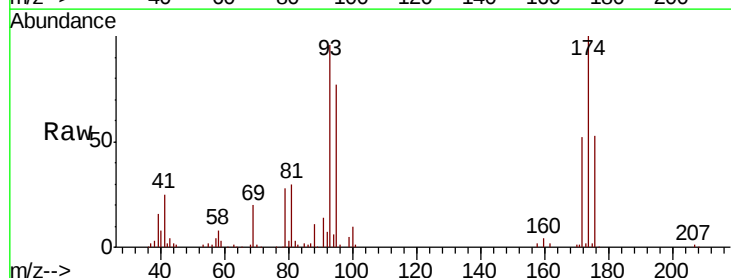
Tgt Ion: 93 Resp: 97103

Ion Ratio Lower Upper

93 100

95 82.7 64.6 97.0

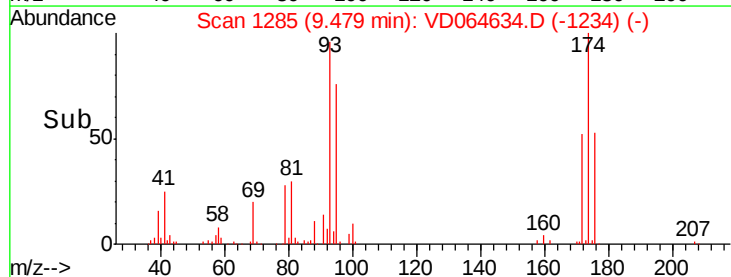
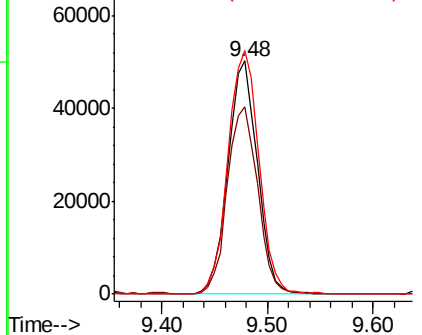
174 109.3 88.1 132.1

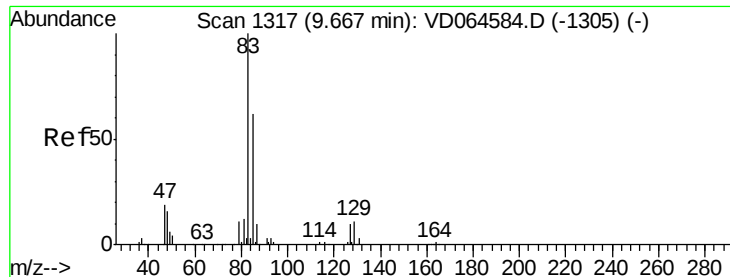


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 49.368 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

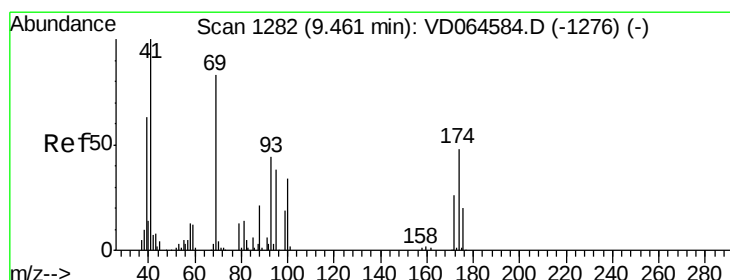
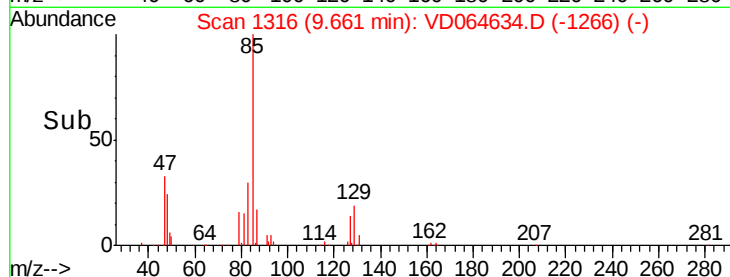
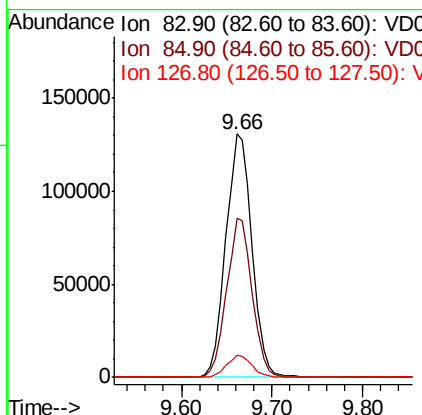
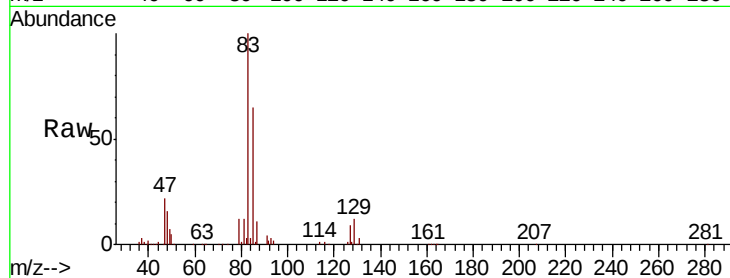
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	261226
Ion Ratio	Lower	Upper	
83	100		
85	65.1	49.5	74.3
127	8.9	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.415 ug/l

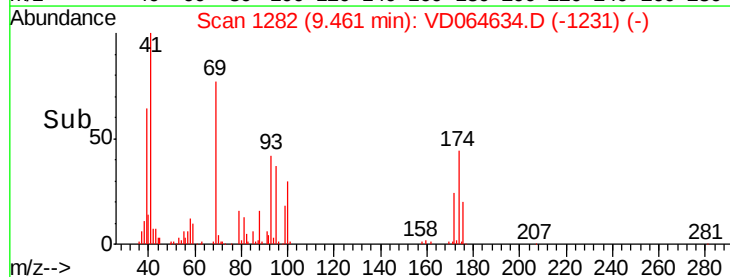
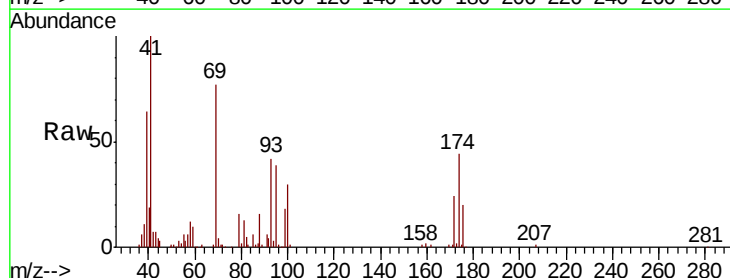
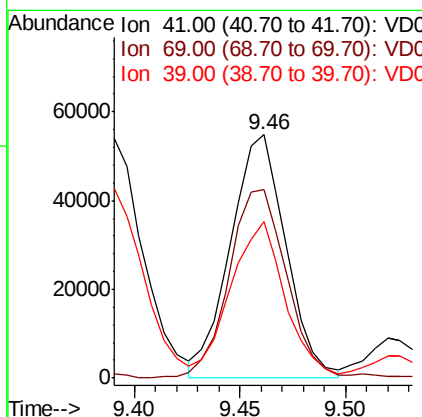
RT: 9.46 min Scan# 1282

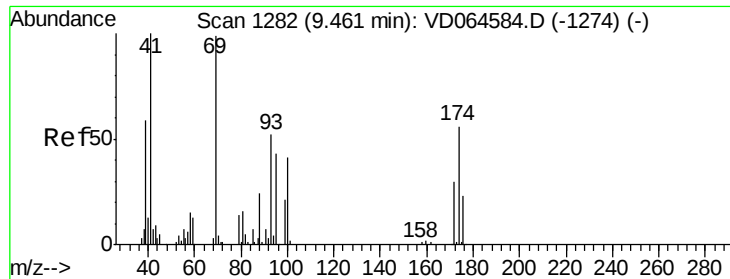
Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion:	41	Resp:	99555
Ion Ratio	Lower	Upper	
41	100		
69	79.3	63.0	94.6
39	59.5	47.4	71.2





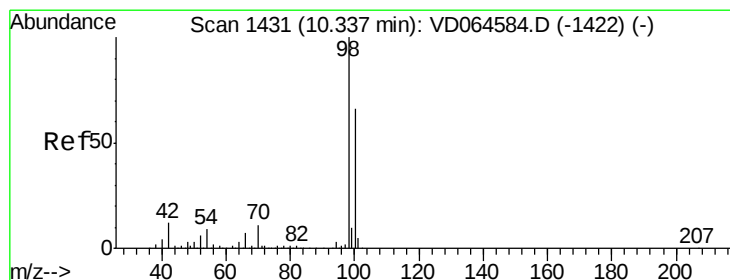
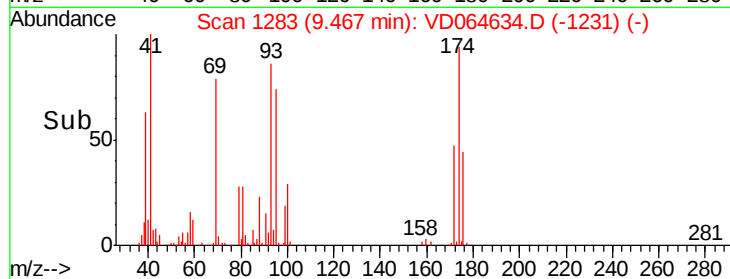
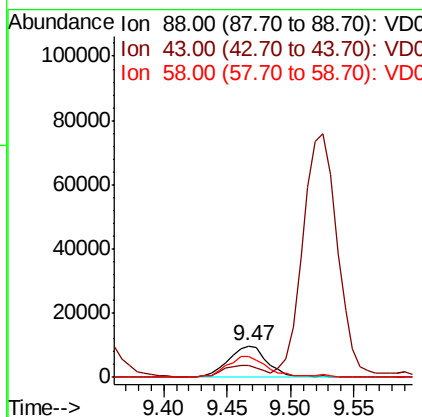
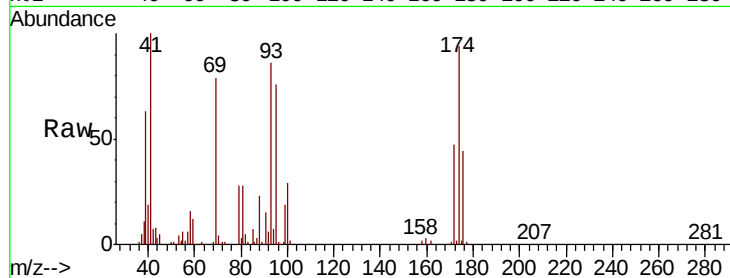
#49
1,4-Dioxane
Concen: 903.708 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.2	27.7	41.5
58	69.8	53.8	80.6

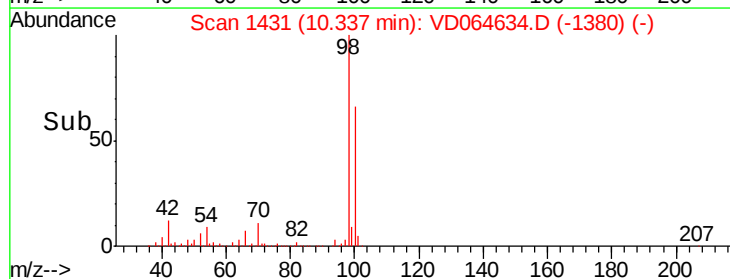
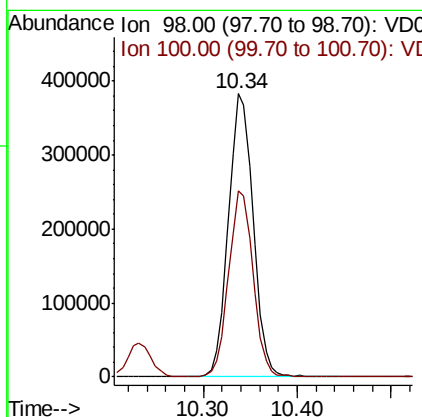
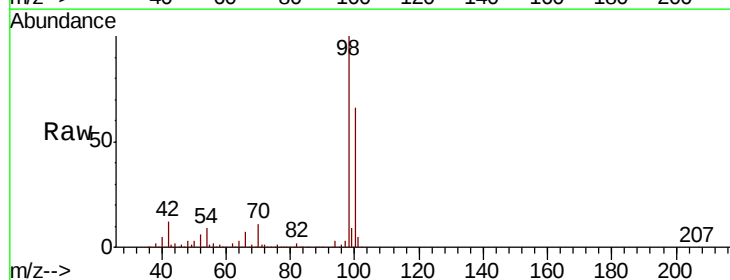
Manual Integrations
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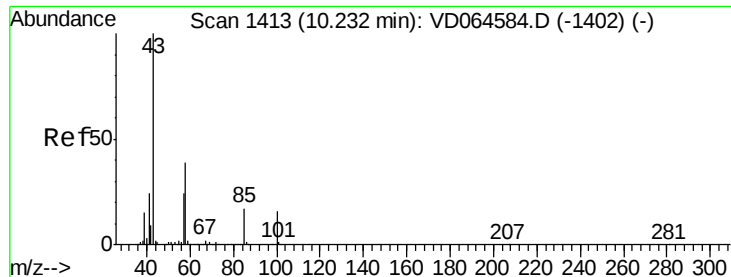
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#50
Toluene-d8
Concen: 52.496 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 235.472 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 497997

Ion Ratio Lower Upper

43 100

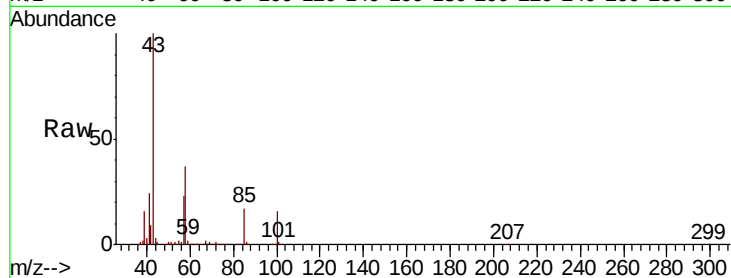
58 37.4 30.2 45.2

Manual Integrations

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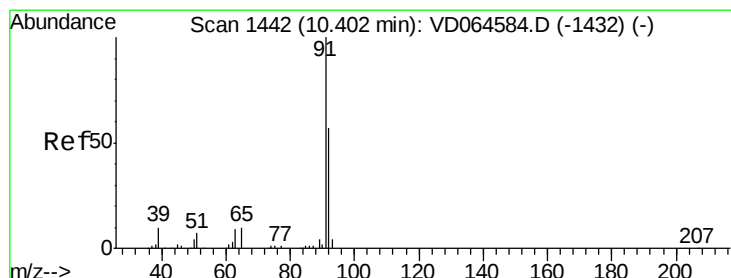
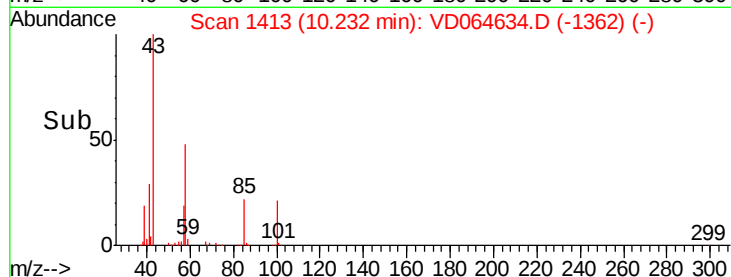
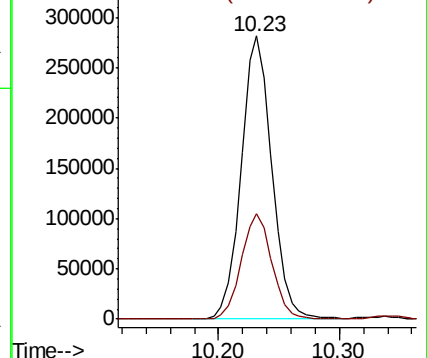
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 50.588 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064634.D

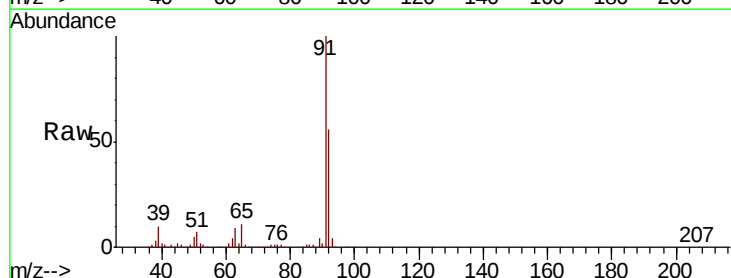
Acq: 27 Dec 2019 09:53

Tgt Ion: 92 Resp: 495781

Ion Ratio Lower Upper

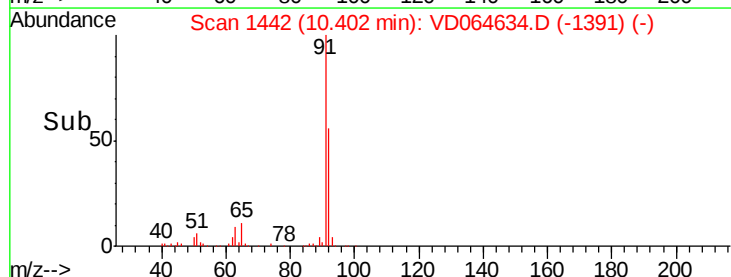
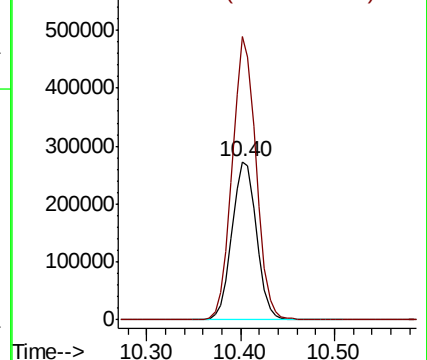
92 100

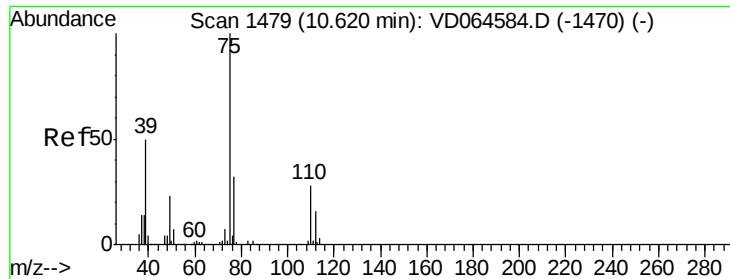
91 173.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





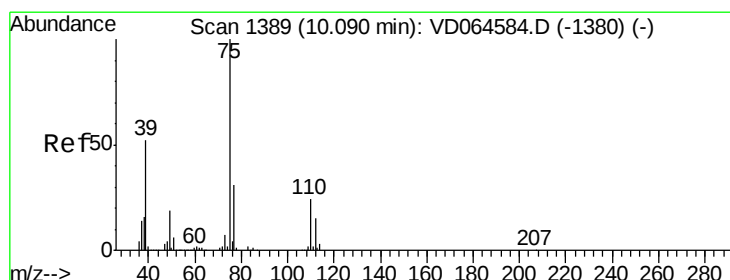
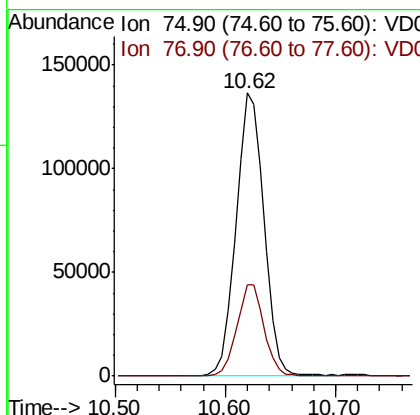
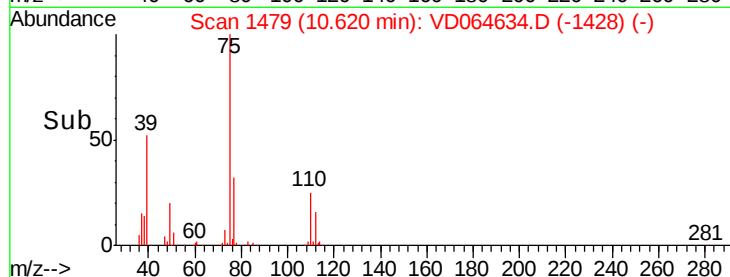
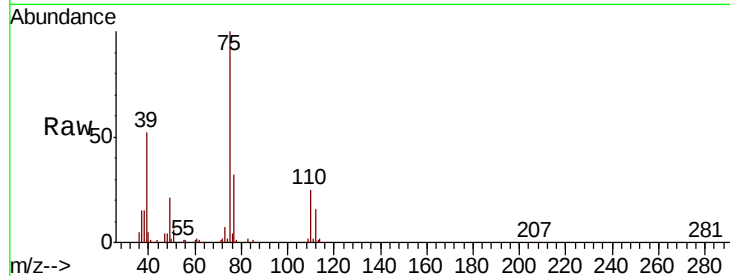
#53
t-1,3-Dichloropropene
Concen: 49.296 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 243187
Ion Ratio Lower Upper
75 100
77 32.3 25.4 38.2

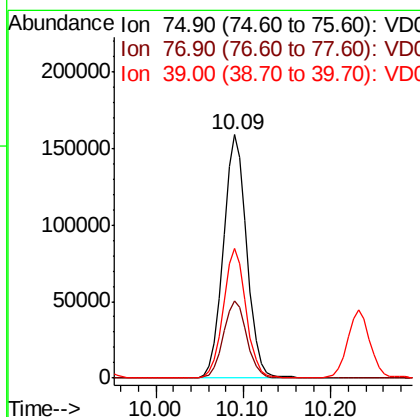
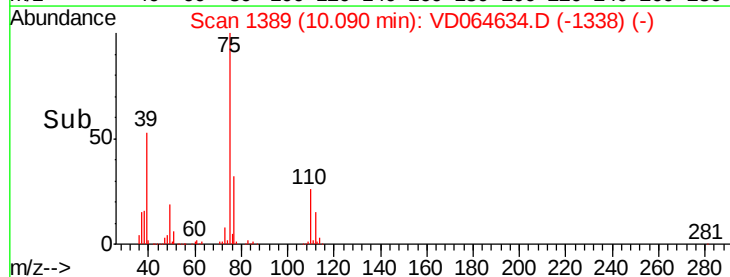
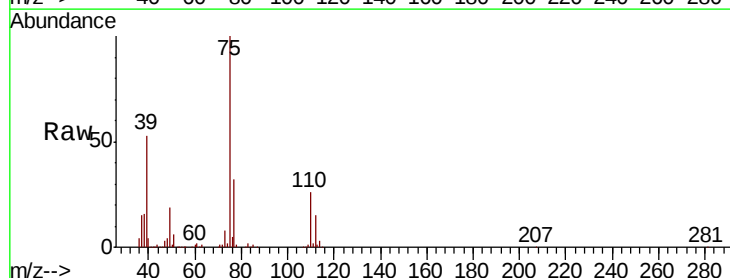
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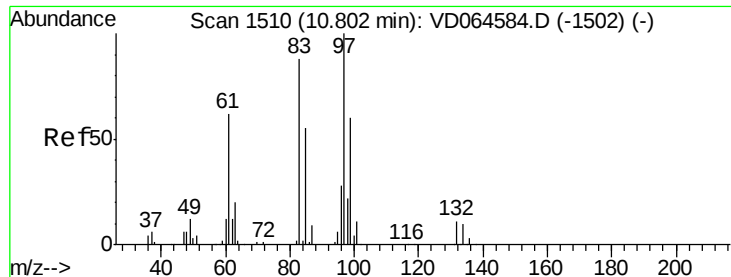
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#54
cis-1,3-Dichloropropene
Concen: 50.089 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 75 Resp: 291368
Ion Ratio Lower Upper
75 100
77 31.7 24.6 36.8
39 53.1 41.4 62.2





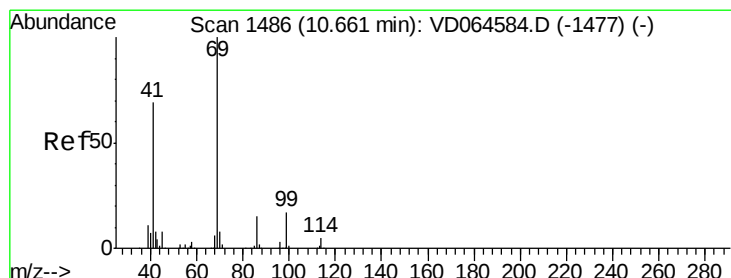
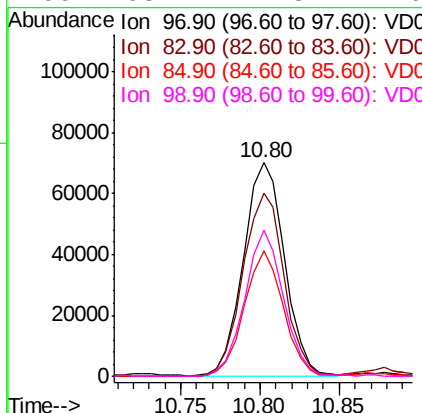
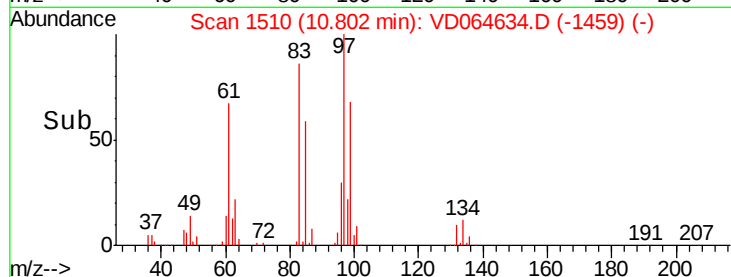
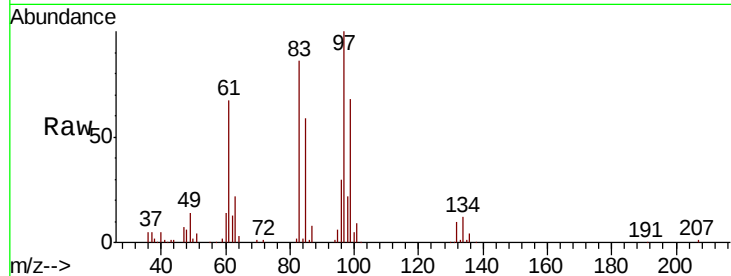
#55
 1,1,2-Trichloroethane
 Concen: 47.350 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	126892
Ion	Ratio	Lower	Upper
97	100		
83	85.8	70.2	105.4
85	58.7	44.0	66.0
99	68.1	47.8	71.6

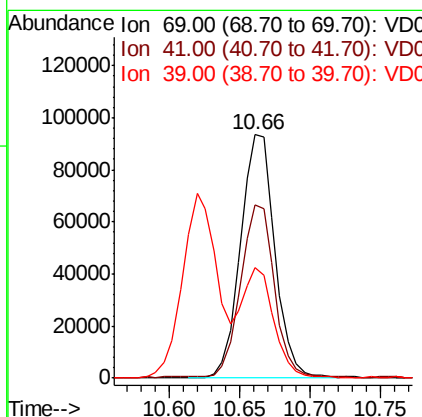
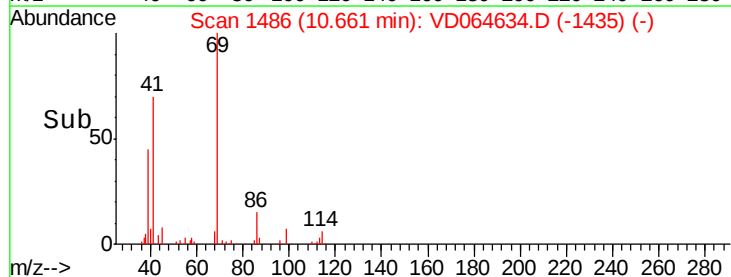
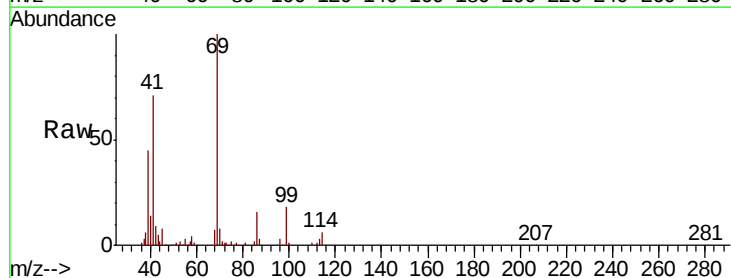
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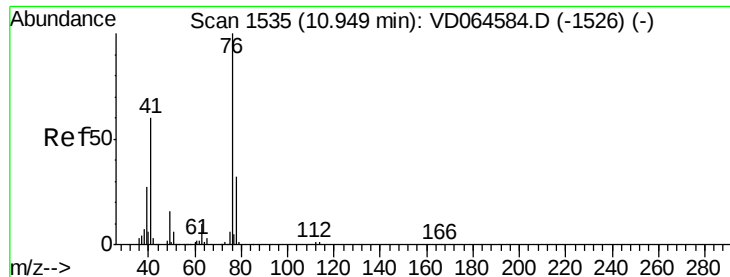
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#56
 Ethyl methacrylate
 Concen: 47.534 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion:	69	Resp:	159087
Ion	Ratio	Lower	Upper
69	100		
41	68.5	55.3	82.9
39	42.6	33.8	50.8





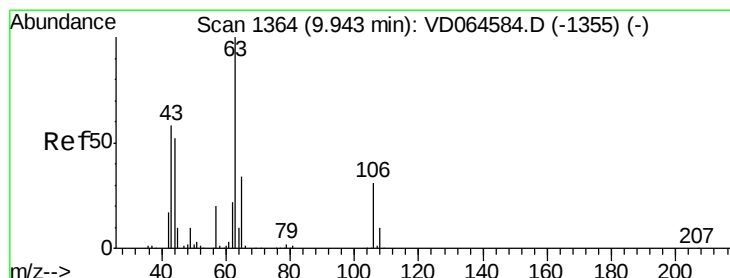
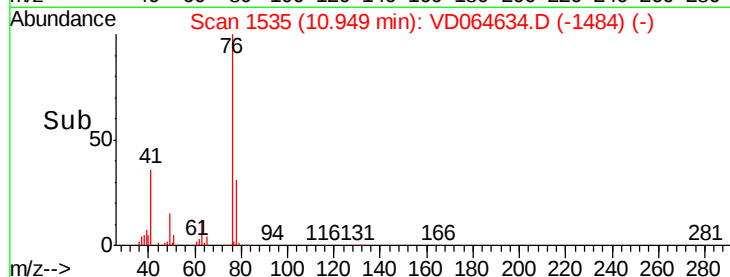
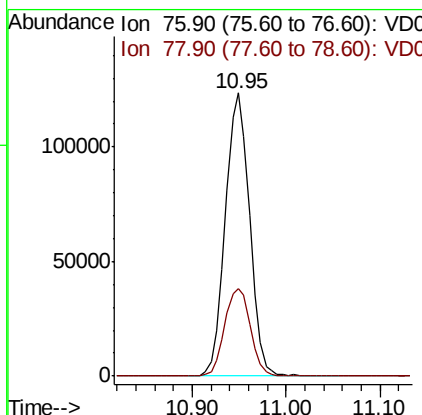
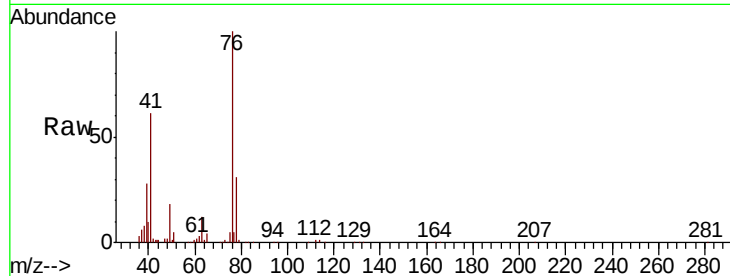
#57
 1,3-Dichloropropane
 Concen: 48.045 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

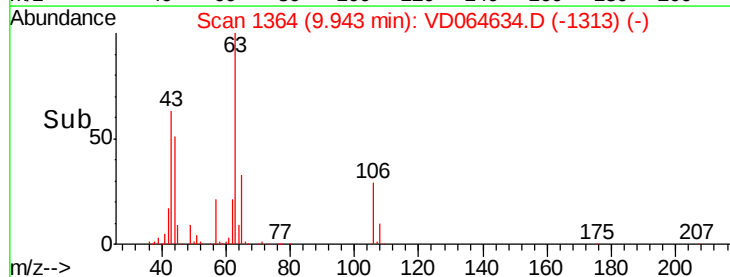
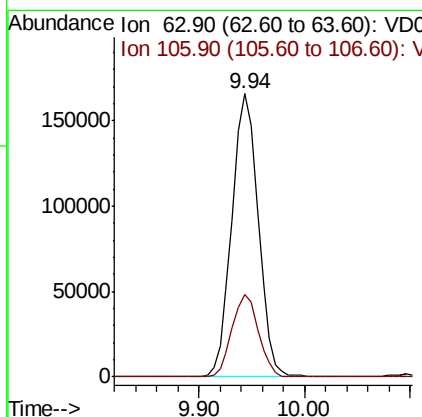
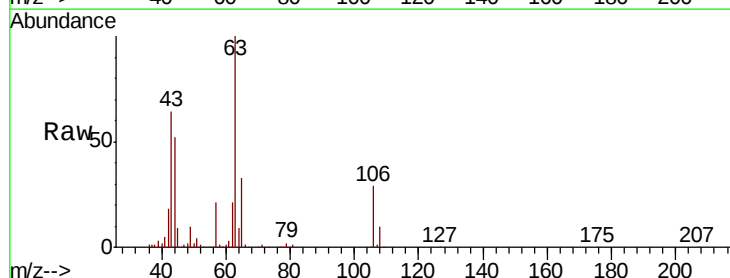
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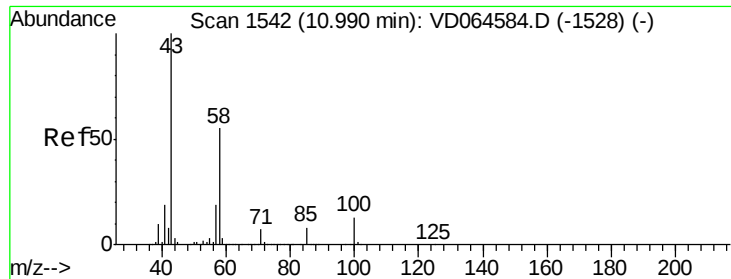
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#58
 2-Chloroethyl Vinyl ether
 Concen: 225.537 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	23.8	35.8





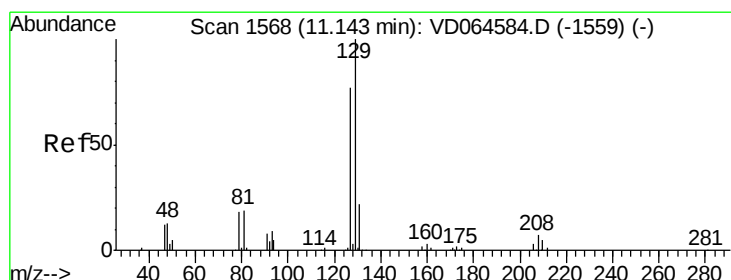
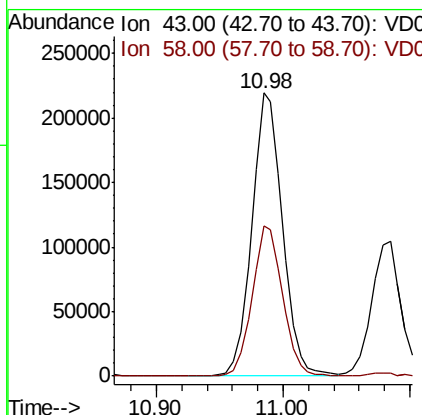
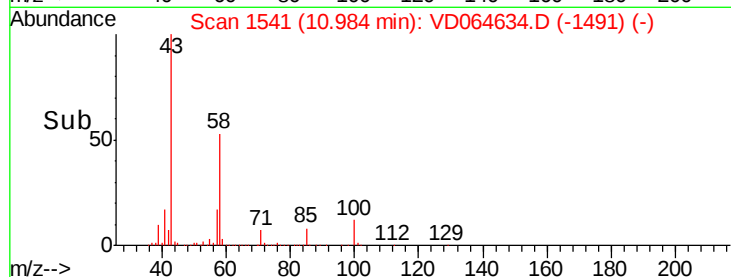
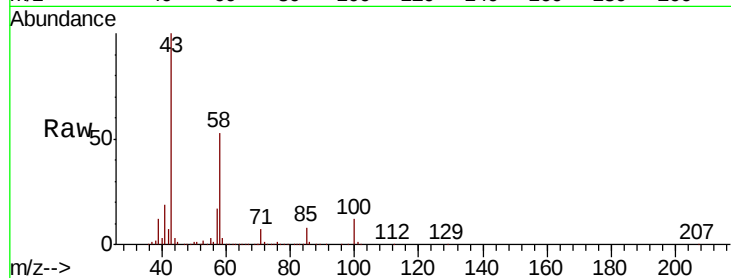
#59
2-Hexanone
Concen: 256.583 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 368304
Ion Ratio Lower Upper
43 100
58 52.7 26.4 79.0

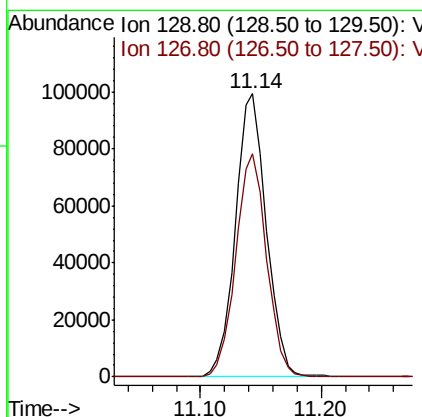
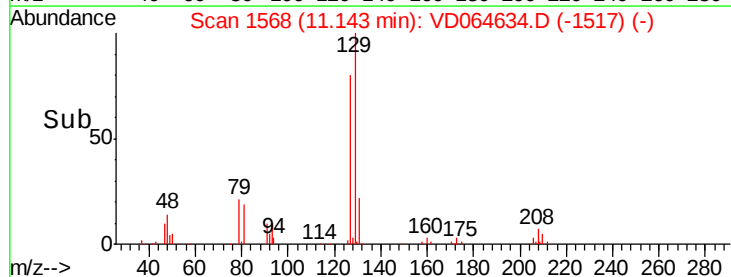
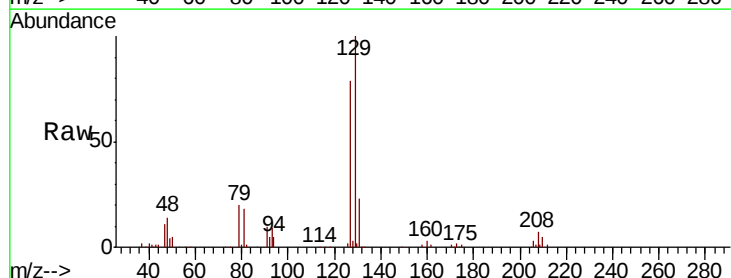
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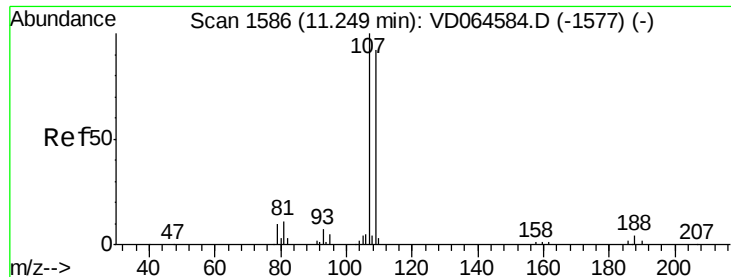
apatel
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#60
Dibromochloromethane
Concen: 47.968 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion: 129 Resp: 177763
Ion Ratio Lower Upper
129 100
127 78.3 38.4 115.2





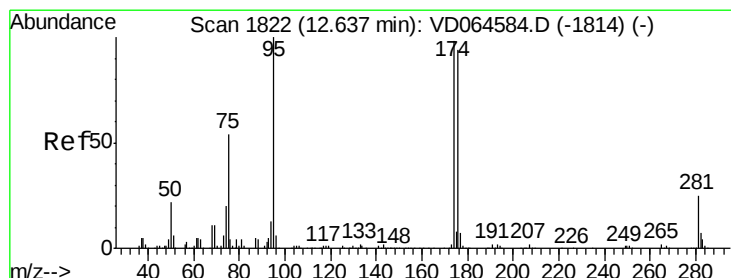
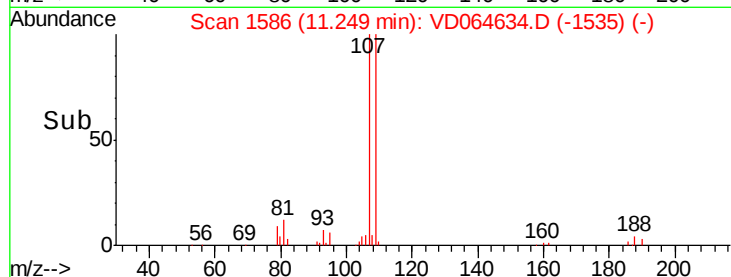
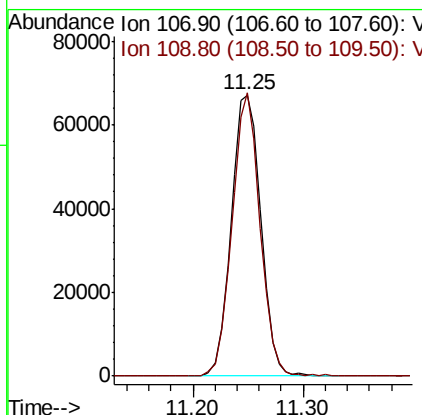
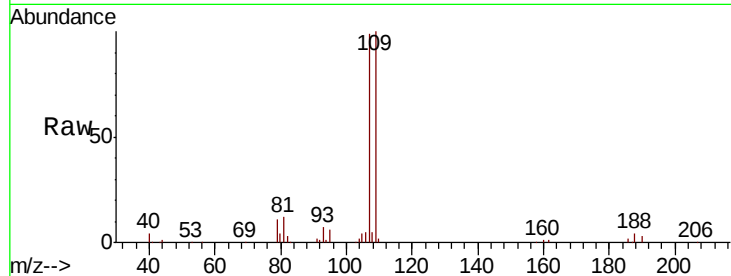
#61
 1,2-Dibromoethane
 Concen: 47.772 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	75.6	113.4

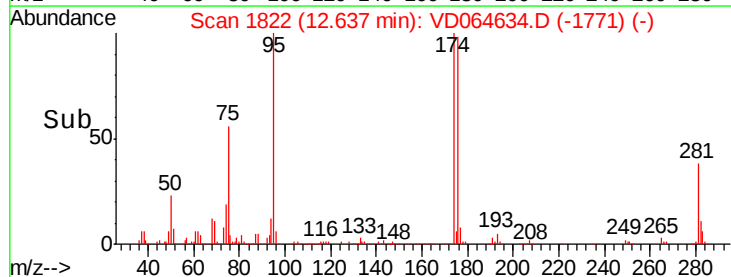
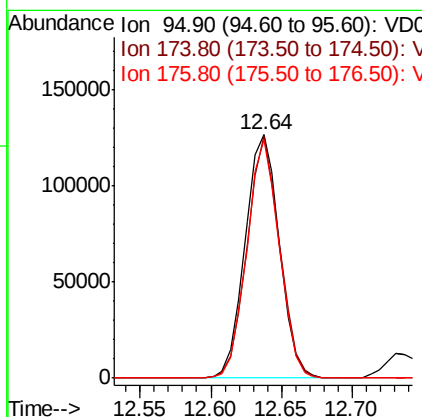
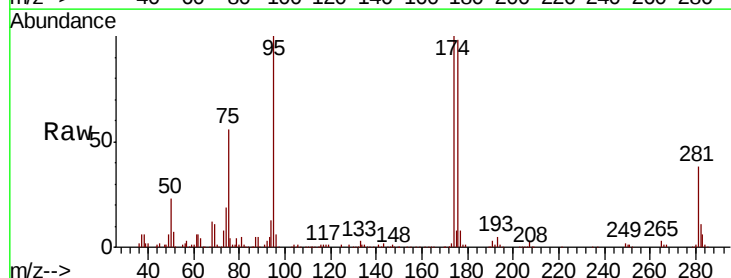
Manual Integrations
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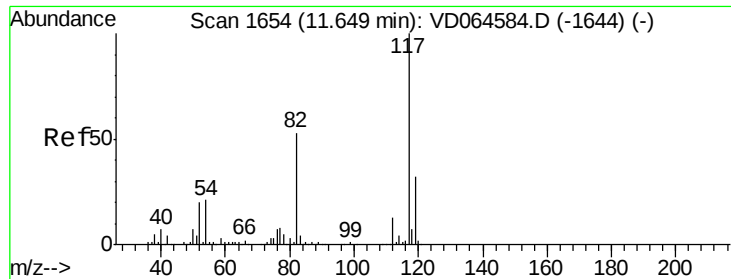
apatel
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#62
 4-Bromofluorobenzene
 Concen: 50.944 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	193.2
176	92.8	0.0	184.2





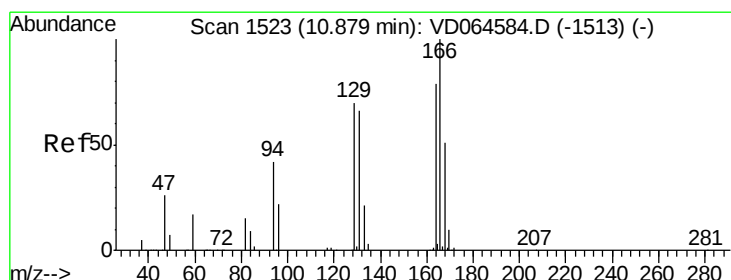
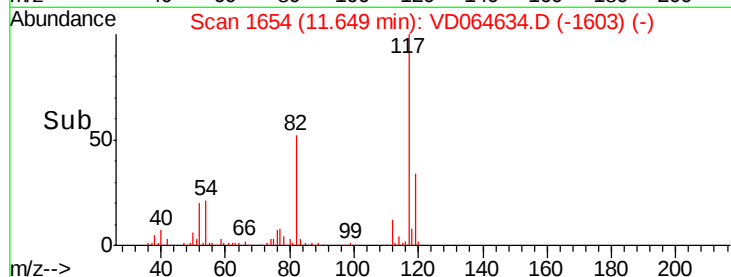
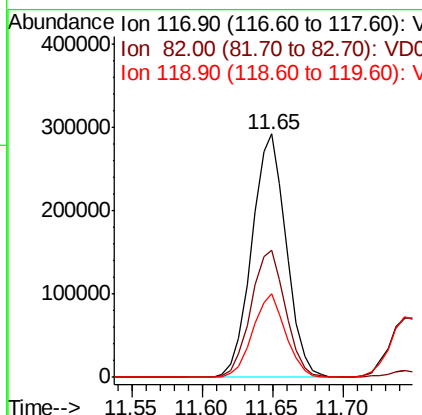
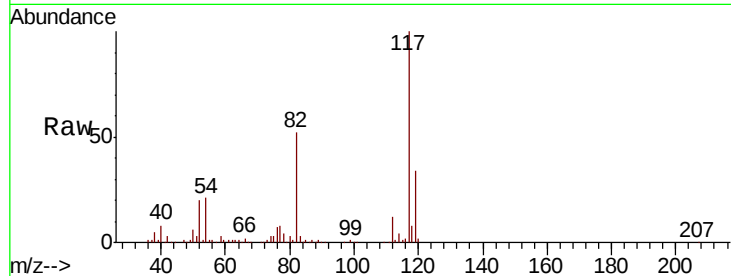
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	498193		
82	52.3	42.2	63.4	
119	34.1	26.0	39.0	

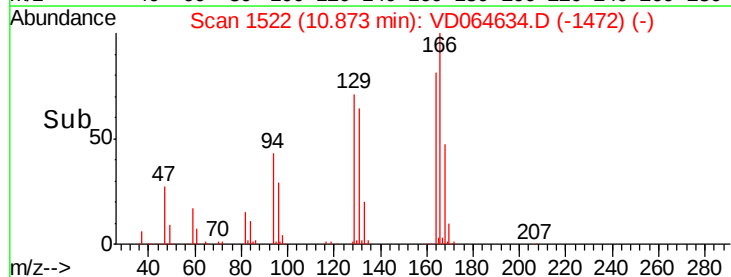
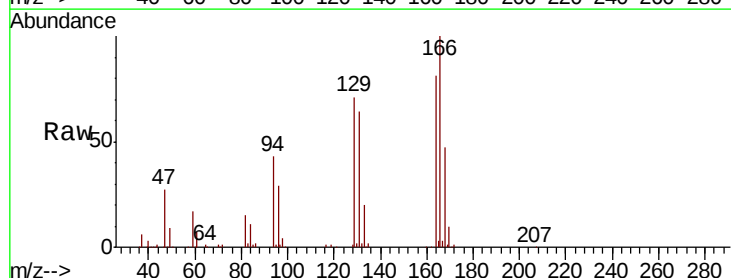
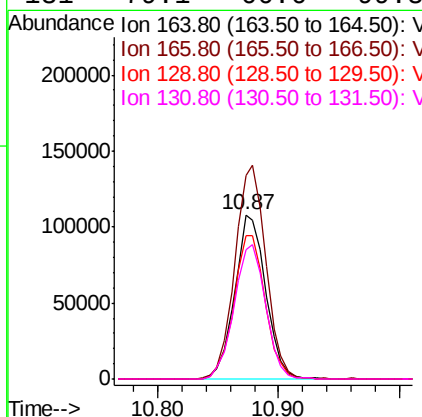
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#64
Tetrachloroethene
Concen: 50.417 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	192697		
166	124.0	101.3	151.9	
129	87.4	70.5	105.7	
131	79.1	66.6	99.8	





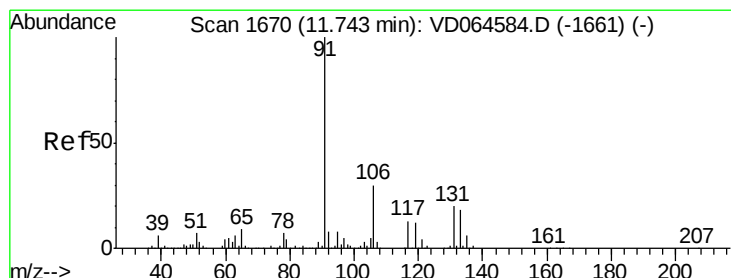
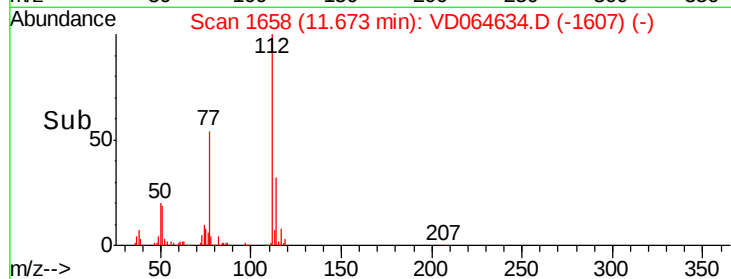
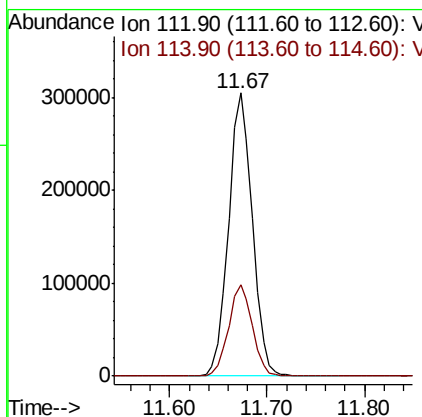
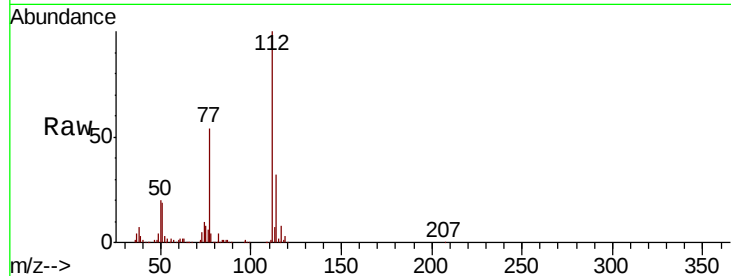
#65
Chlorobenzene
Concen: 49.675 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.4	24.8	37.2

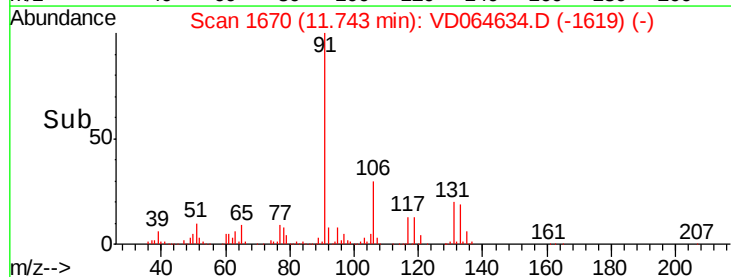
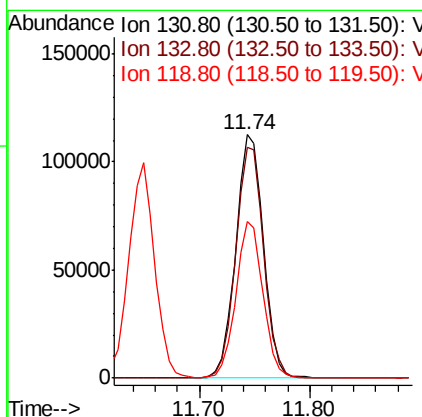
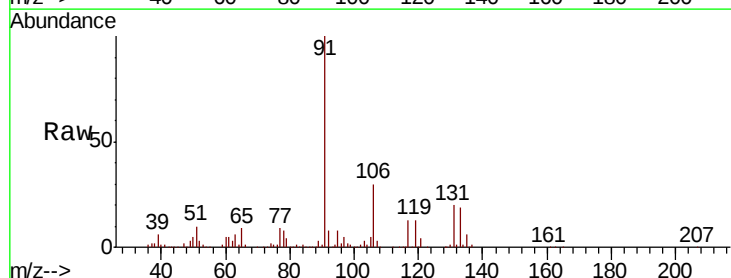
Manual Integrations
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.043 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.6	48.3	144.8
119	62.8	32.1	96.3





#67

Ethyl Benzene

Concen: 50.954 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 956285

Ion Ratio Lower Upper

91 100

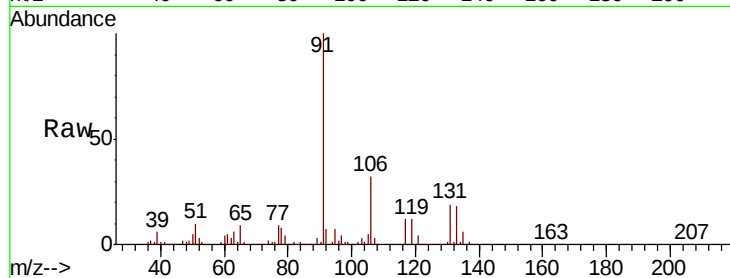
106 31.7 24.6 36.8

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V

800000

600000

400000

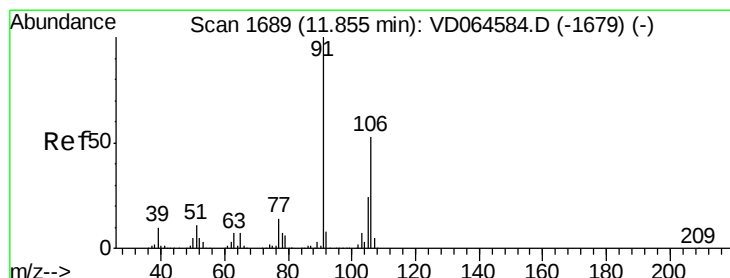
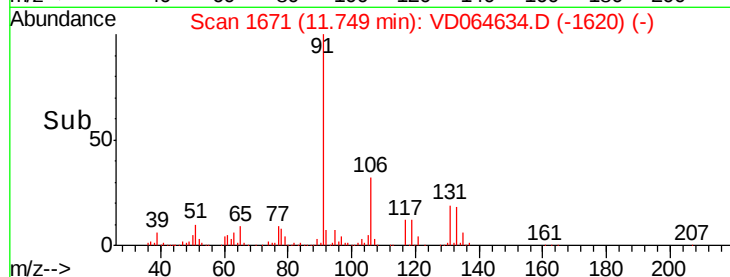
200000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 101.731 ug/l

RT: 11.85 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064634.D

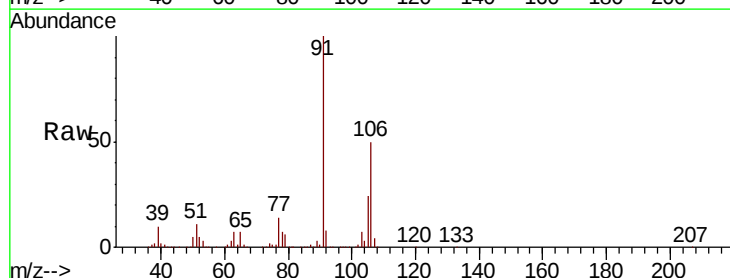
Acq: 27 Dec 2019 09:53

Tgt Ion: 106 Resp: 736931

Ion Ratio Lower Upper

106 100

91 200.0 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC

800000

600000

400000

200000

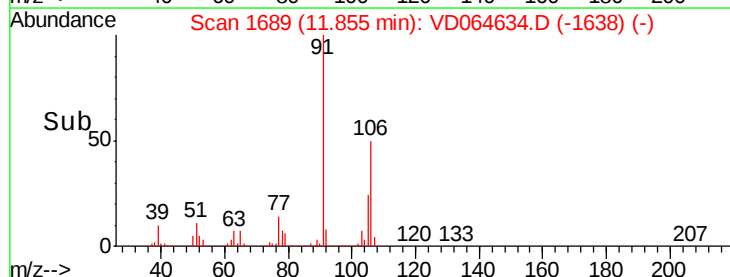
0

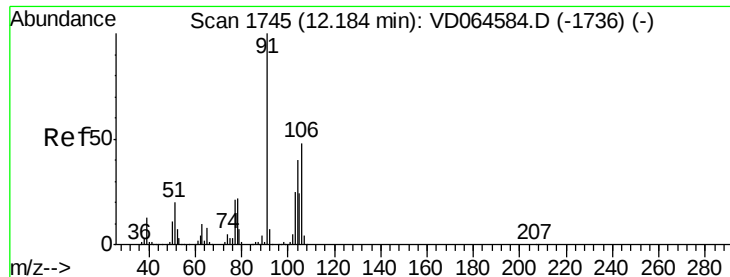
11.85

11.90

12.00

Time-->





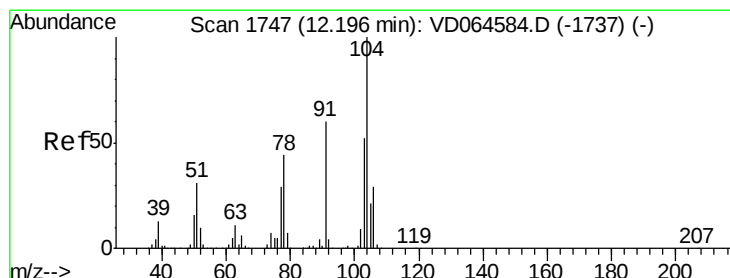
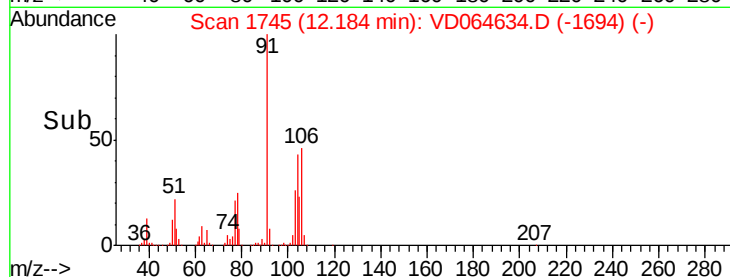
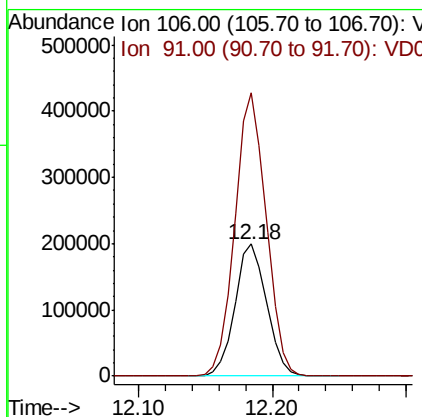
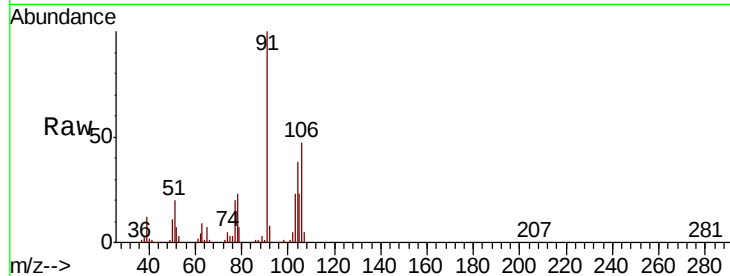
#69
o-Xylene
Concen: 50.265 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	211.4	104.8	314.4	

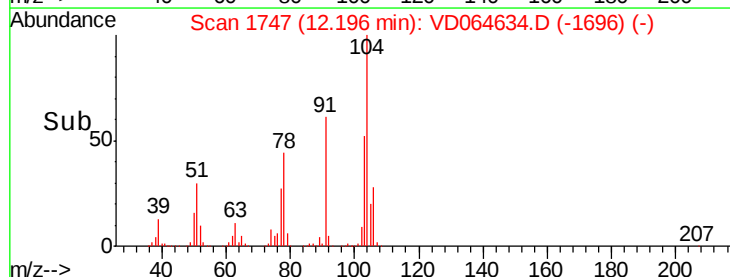
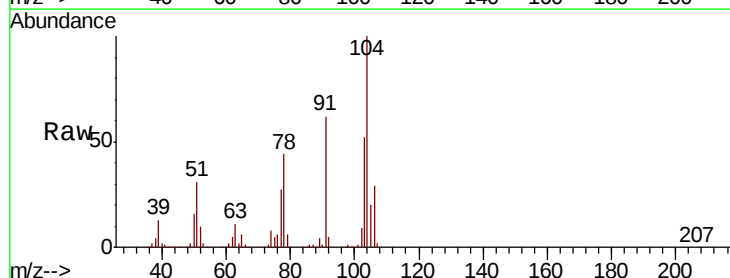
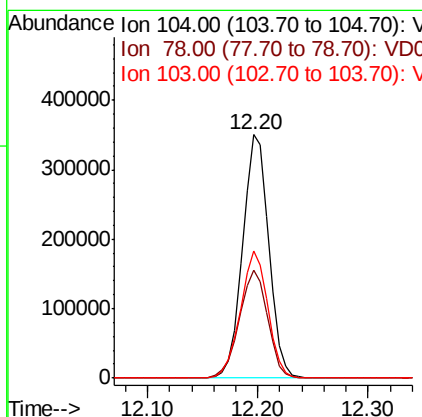
Manual Integrations
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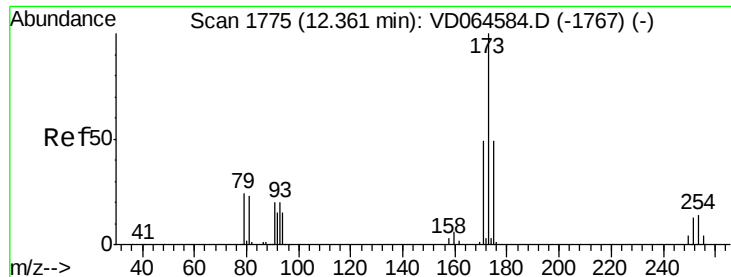
apatel
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#70
Styrene
Concen: 50.751 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.2	38.2	57.2	
103	55.0	44.6	67.0	





#71

Bromoform

Concen: 47.939 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

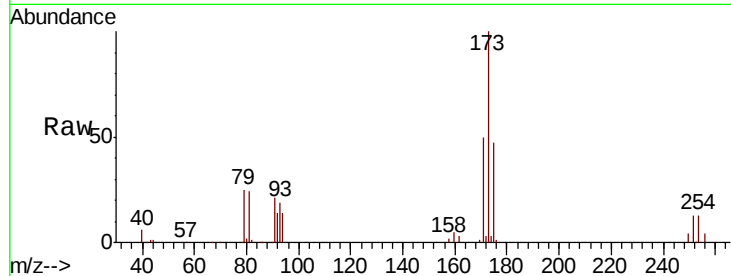
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.6	73.8
254	0.0	0.1	0.1#

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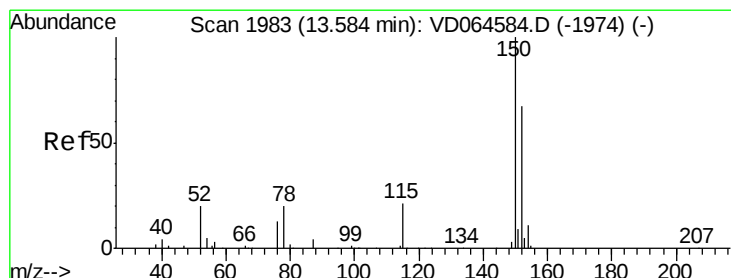
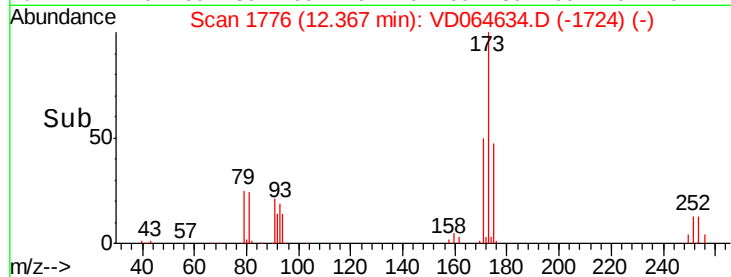
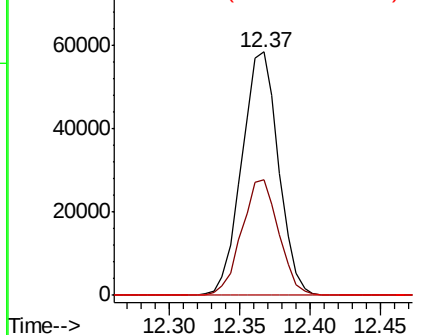


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

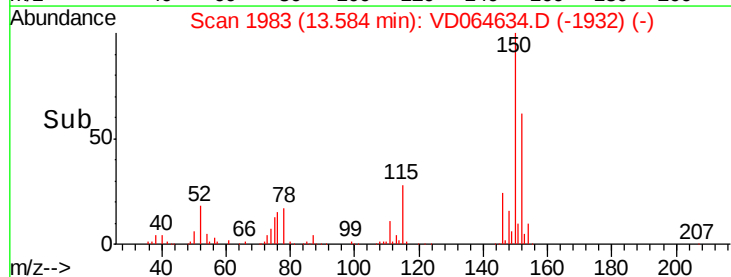
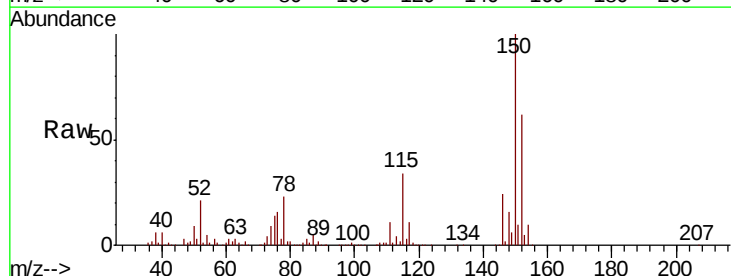
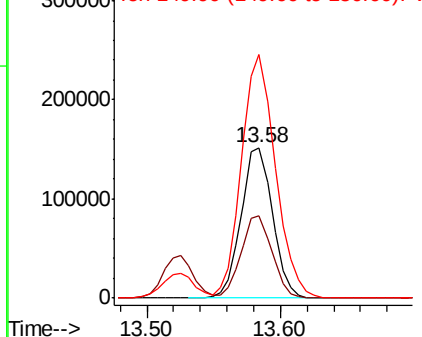
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.8	83.4
150	175.1	0.0	351.4

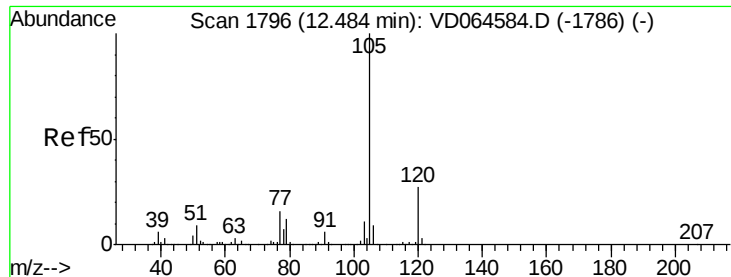
Abundance

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: 52.489 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 926371

Ion Ratio Lower Upper

105 100

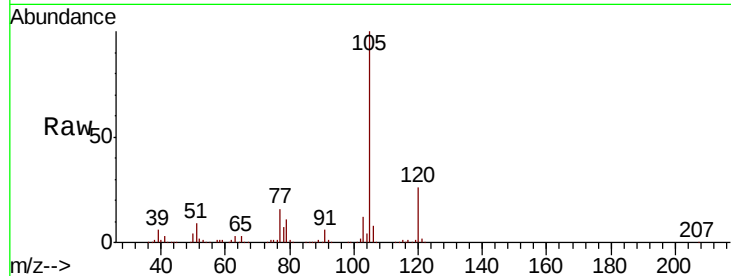
120 26.7 13.5 40.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

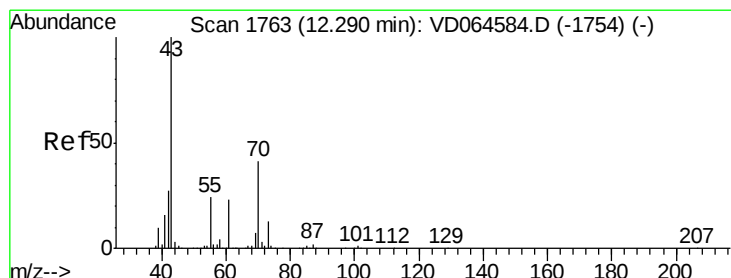
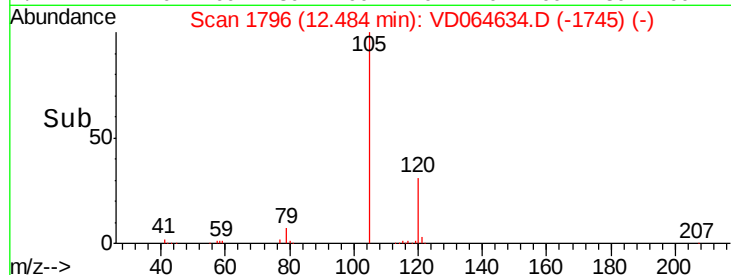
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 46.567 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion: 43 Resp: 175685

Ion Ratio Lower Upper

43 100

70 41.8 33.4 50.0

55 24.4 19.4 29.0

61 23.8 18.3 27.5

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

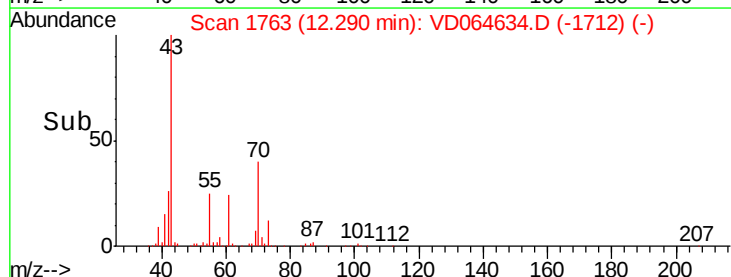
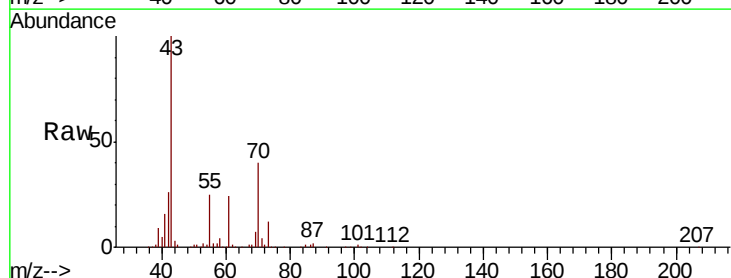
150000

100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 47.579 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

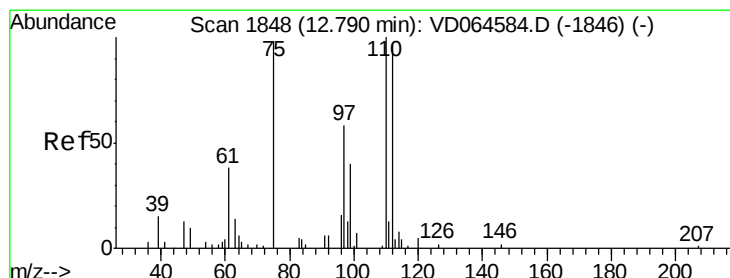
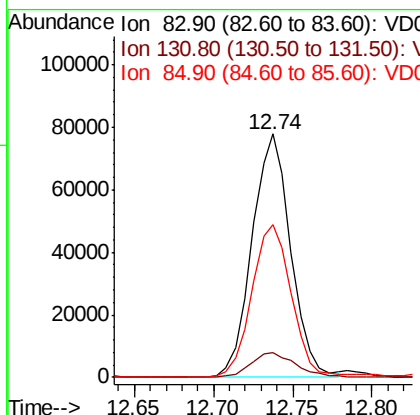
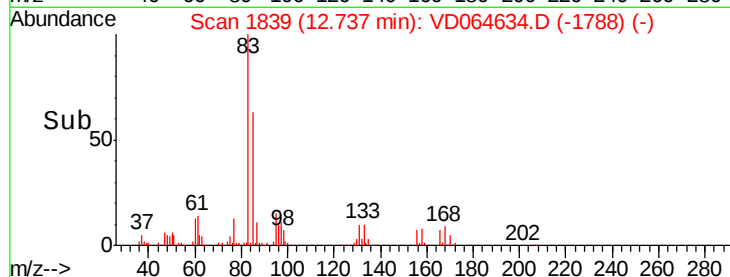
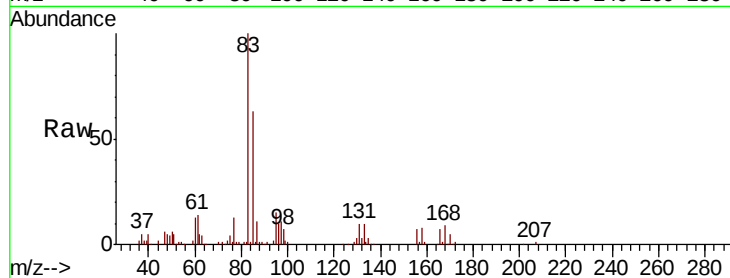
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	131913
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.8	17.4
85	64.3	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 42.989 ug/l m

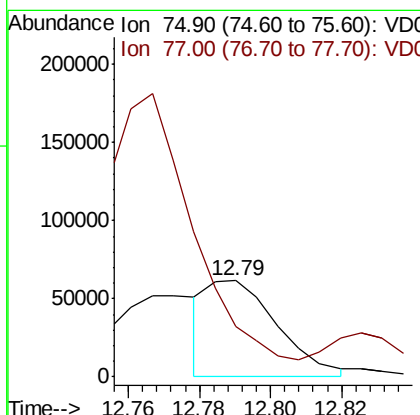
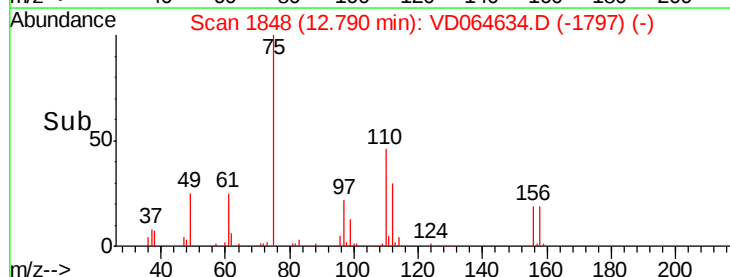
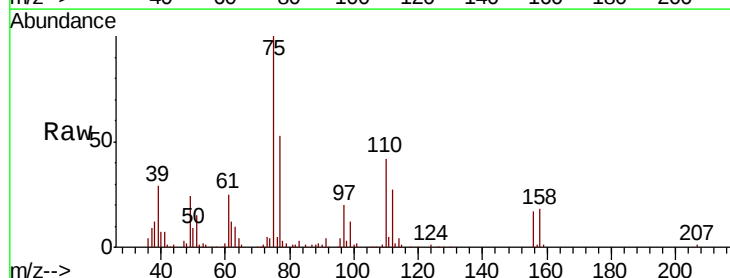
RT: 12.79 min Scan# 1848

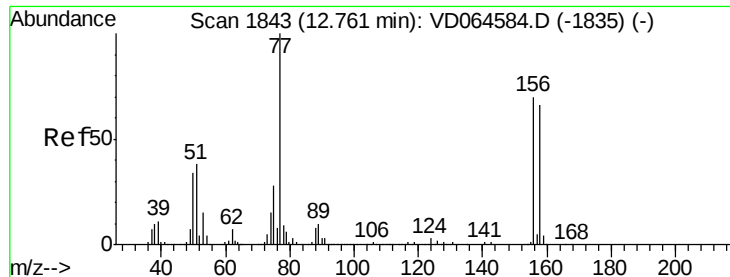
Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion:	75	Resp:	83838
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





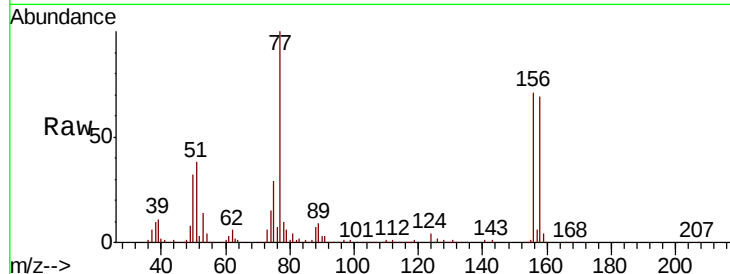
#77
Bromobenzene
Concen: 49.351 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

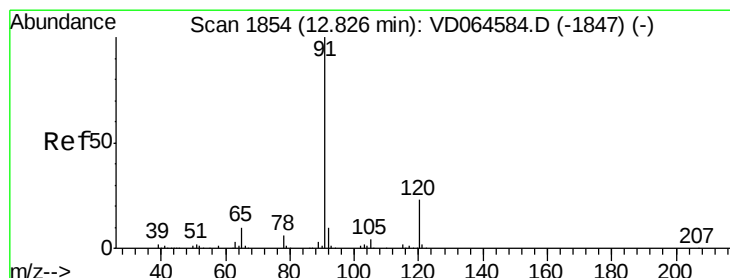
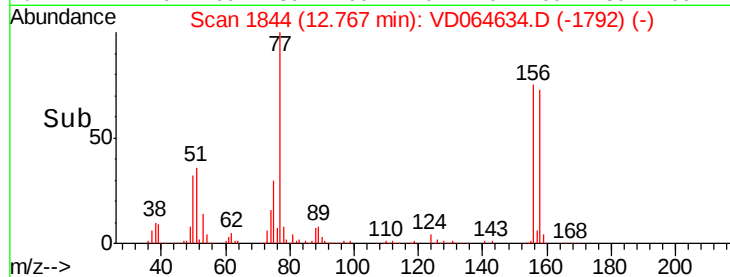
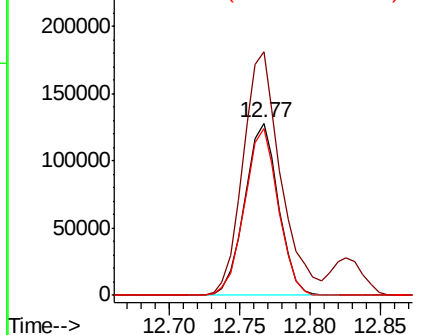
Tot Ion	Ratio	Lower	Upper
156	100		
77	158.7	80.9	242.7
158	96.9	48.0	144.2

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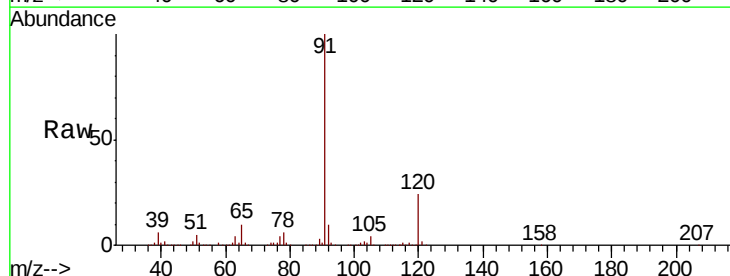


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VDC
Ion 157.80 (157.50 to 158.50): V

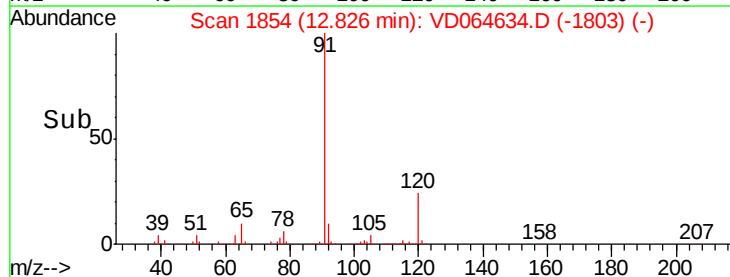
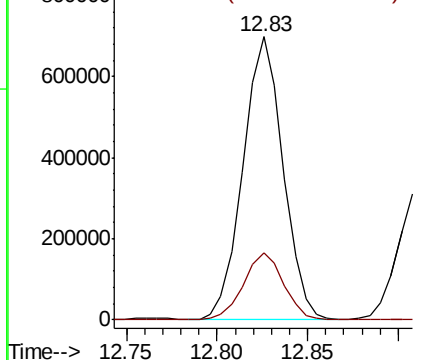


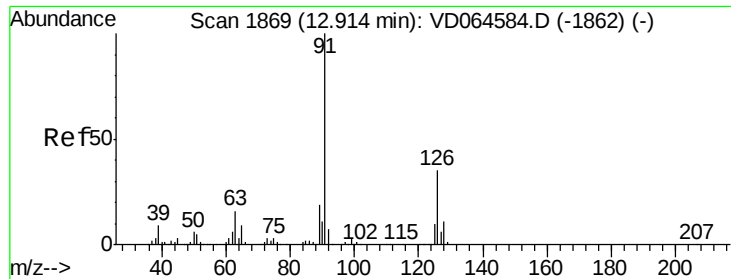
#78
n-propylbenzene
Concen: 51.904 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.259 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 568468

Ion Ratio Lower Upper

91 100

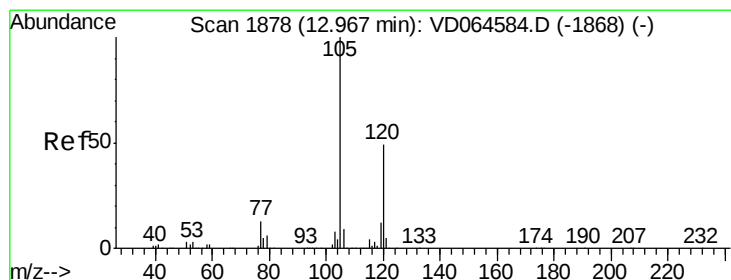
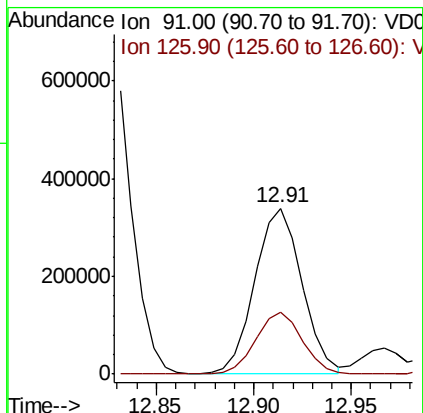
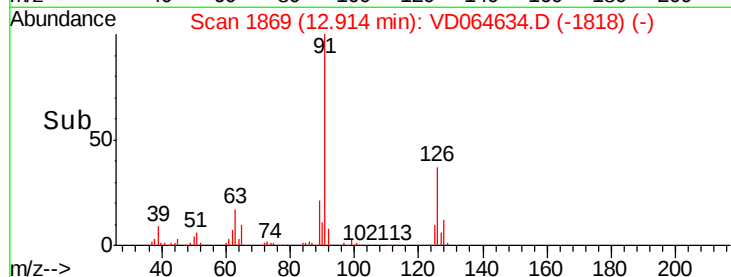
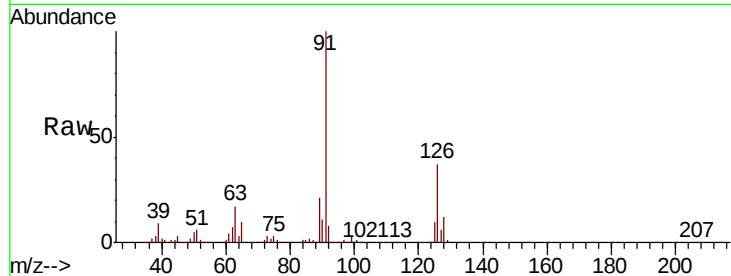
126 36.9 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 51.963 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064634.D

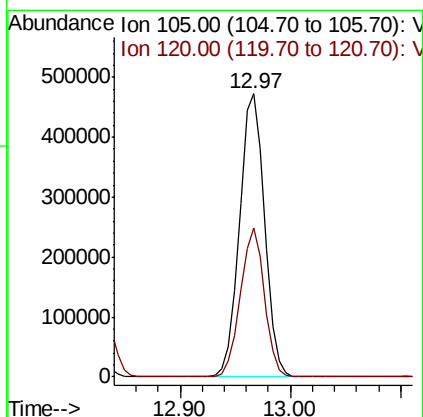
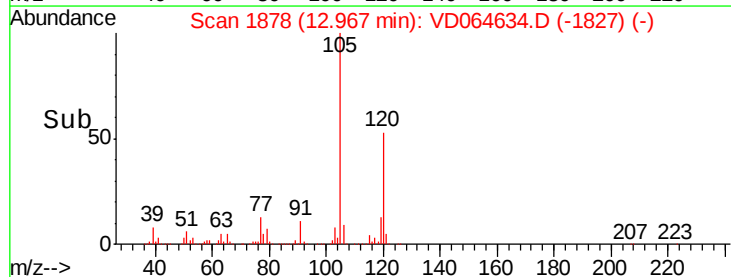
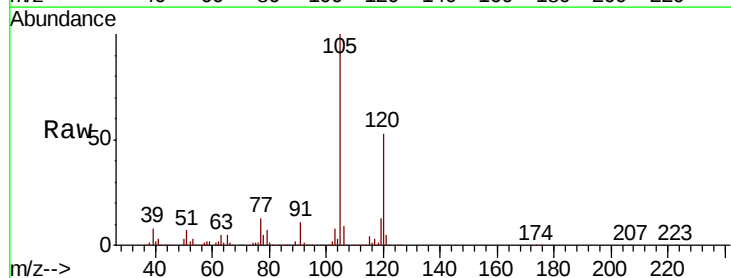
Acq: 27 Dec 2019 09:53

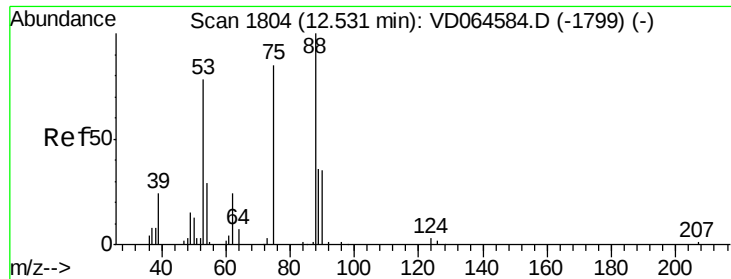
Tgt Ion: 105 Resp: 753351

Ion Ratio Lower Upper

105 100

120 50.5 25.0 75.0





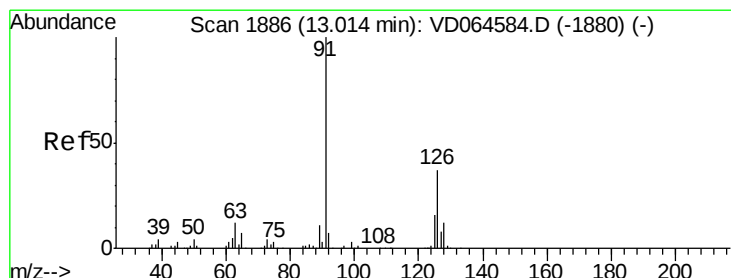
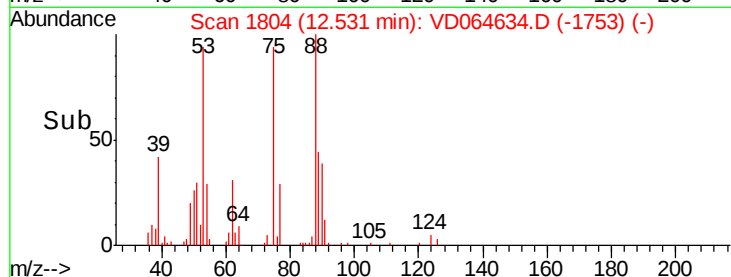
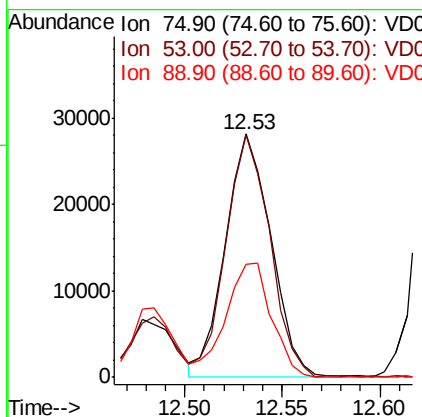
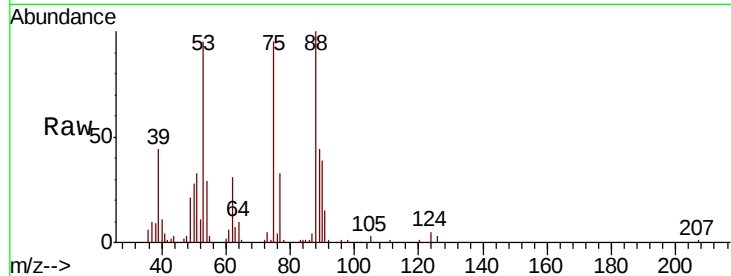
#81
trans-1,4-Dichloro-2-butene
Concen: 49.056 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	78.8	118.2
89	47.5	38.3	57.5

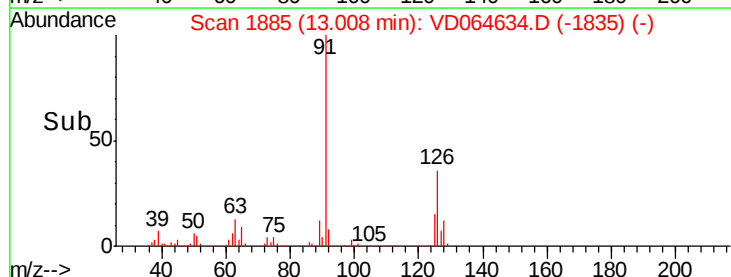
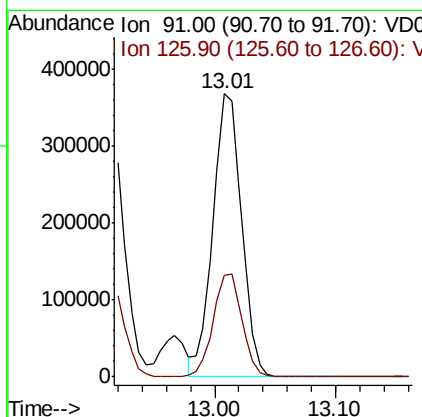
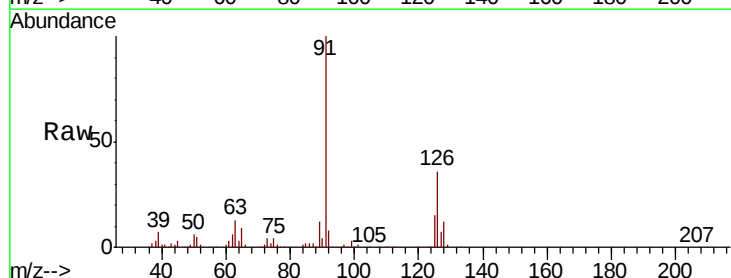
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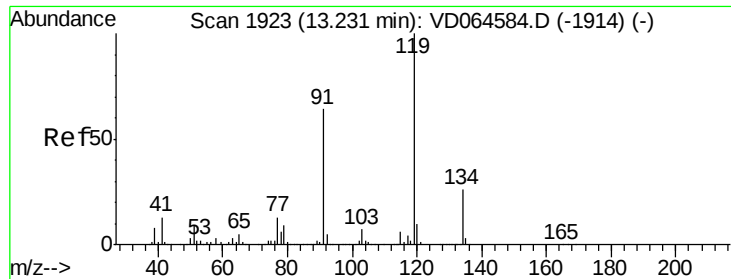
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#82
4-Chlorotoluene
Concen: 50.192 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.4	17.8	53.5





#83

tert-Butylbenzene

Concen: 51.876 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

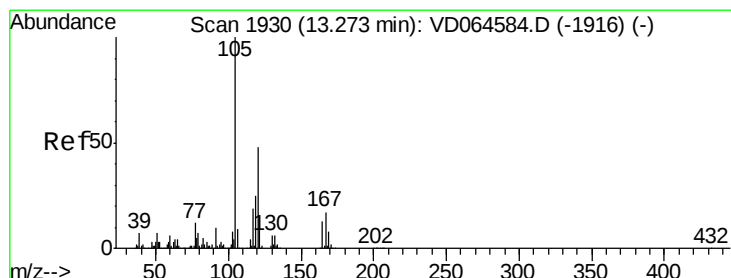
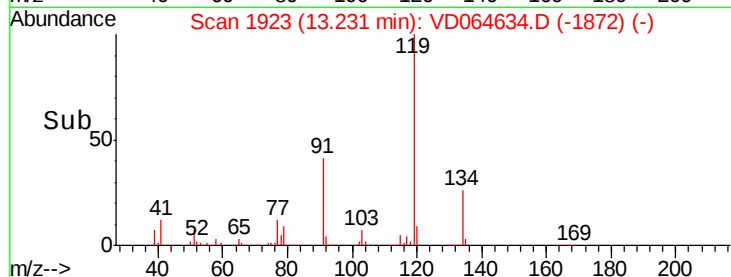
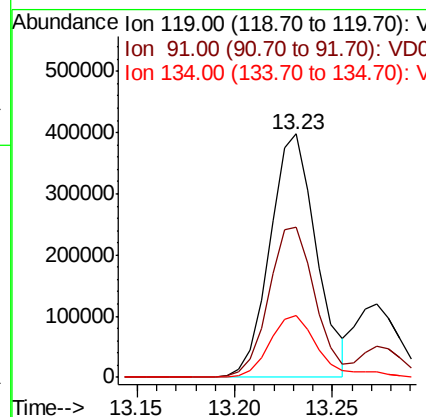
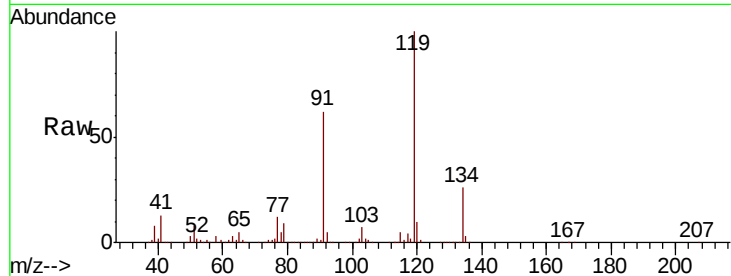
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	653004
Ion Ratio	Lower	Upper	
119	100		
91	61.8	30.8	92.4
134	27.3	12.8	38.3

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#84

1,2,4-Trimethylbenzene

Concen: 51.412 ug/l

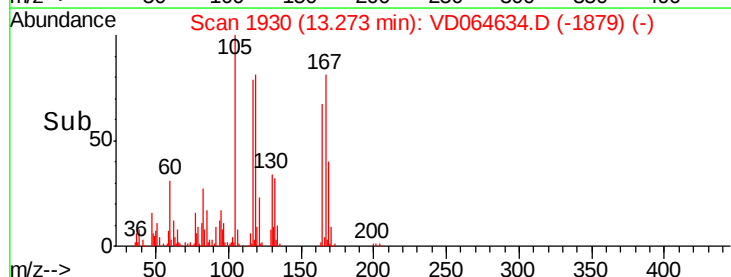
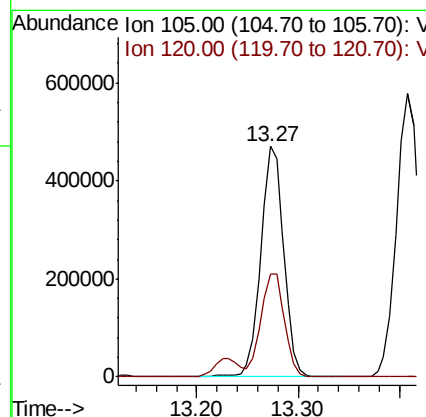
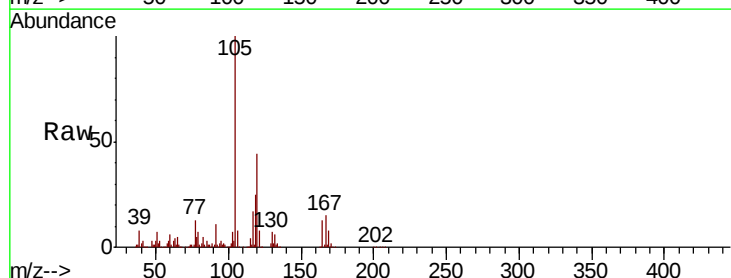
RT: 13.27 min Scan# 1930

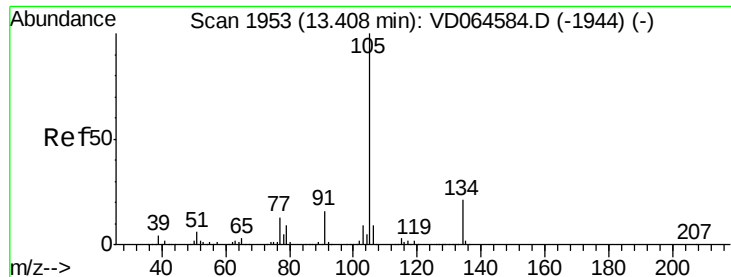
Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Tgt Ion:	105	Resp:	742335
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.8	71.2





#85

sec-Butylbenzene

Concen: 52.381 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 903952

Ion Ratio Lower Upper

105 100

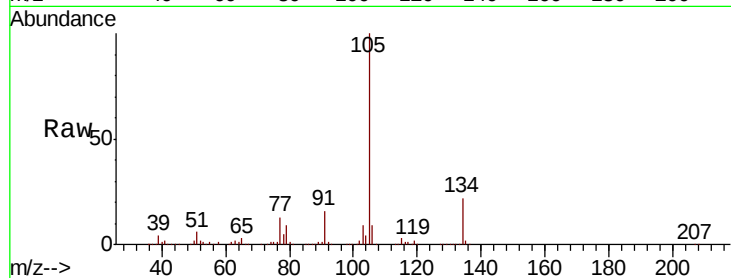
134 21.2 10.6 31.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

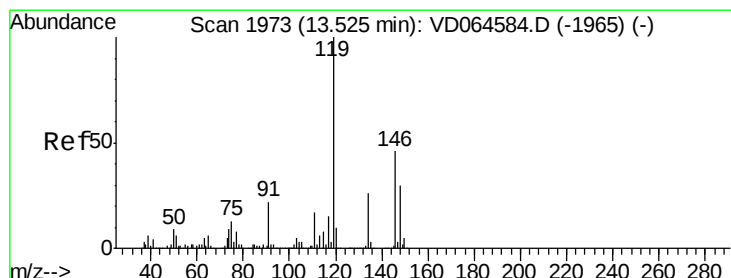
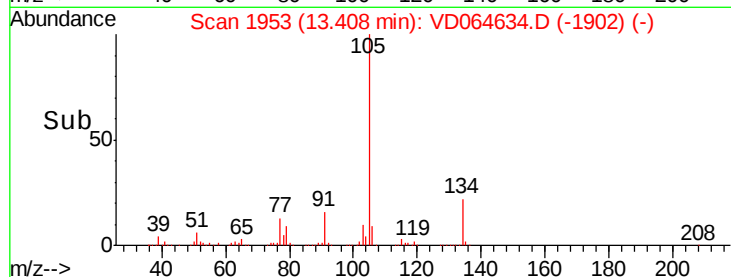
600000

400000

200000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 52.078 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064634.D

Acq: 27 Dec 2019 09:53

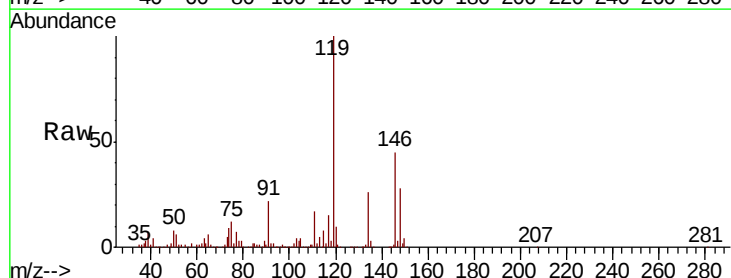
Tgt Ion:119 Resp: 859335

Ion Ratio Lower Upper

119 100

134 26.3 13.4 40.1

91 22.3 11.2 33.6



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.53

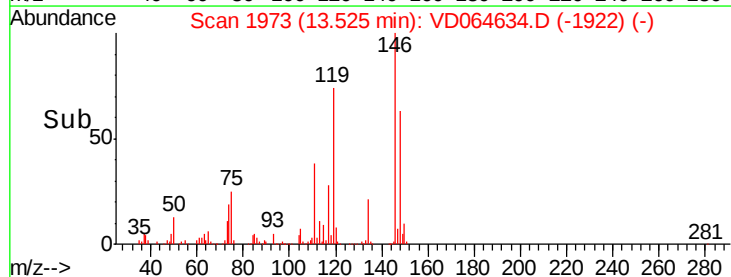
600000

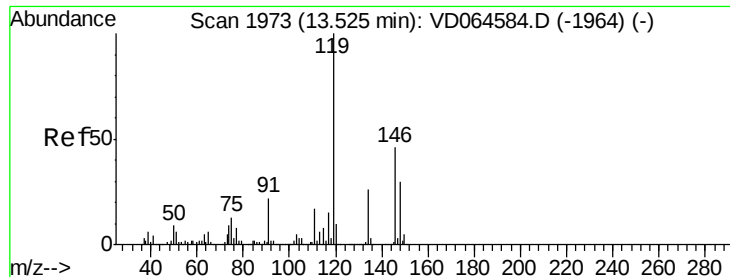
400000

200000

0

Time--> 13.45 13.50 13.55 13.60





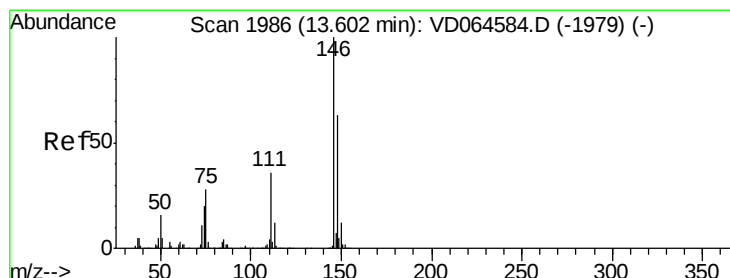
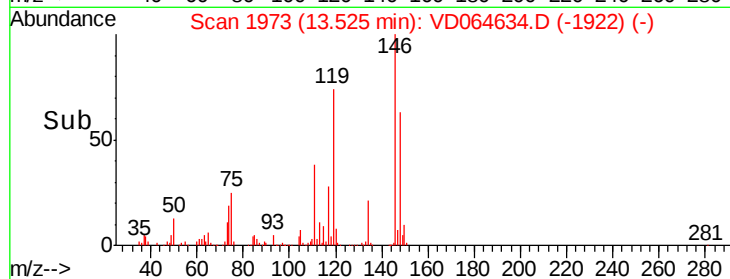
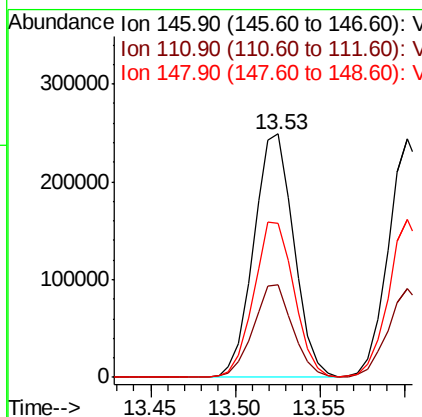
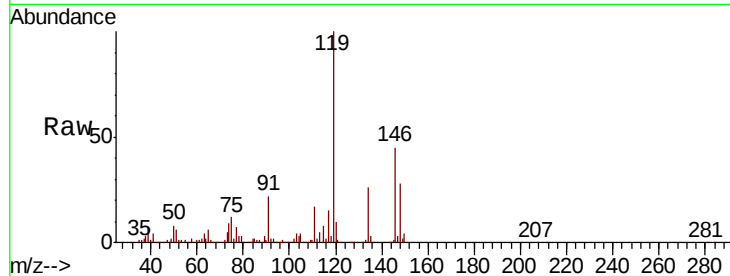
#87
 1,3-Dichlorobenzene
 Concen: 49.667 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.8	56.4
148	64.1	32.5	97.5

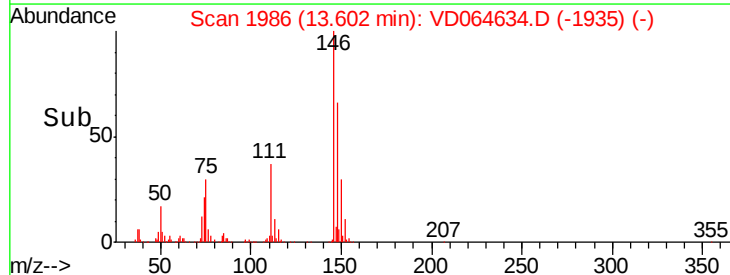
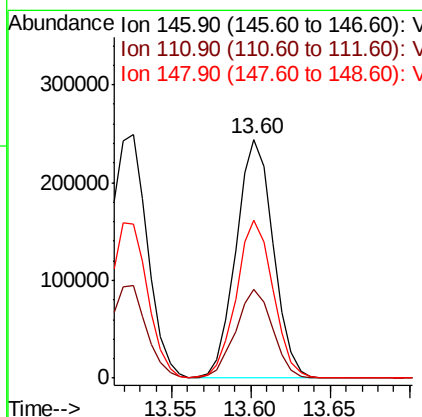
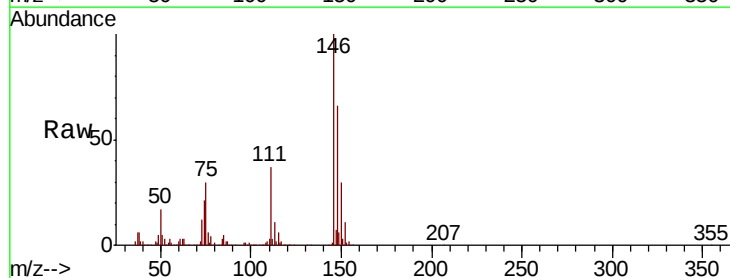
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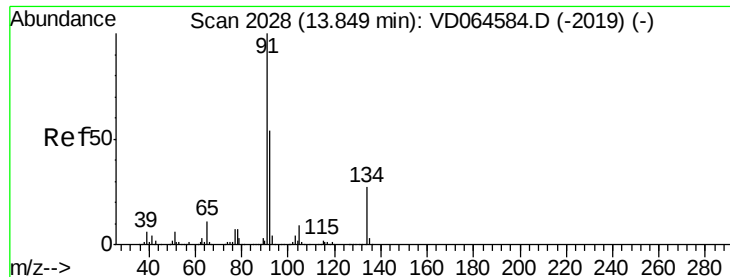
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#88
 1,4-Dichlorobenzene
 Concen: 48.940 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.1	54.1
148	65.3	32.3	96.9





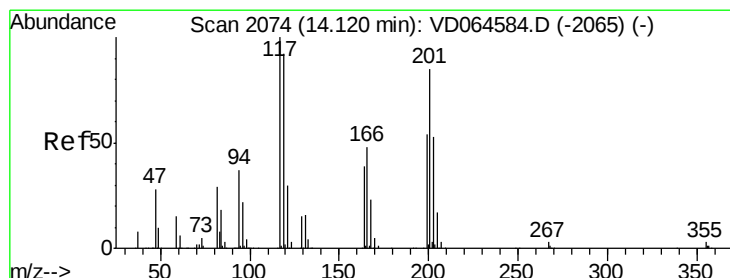
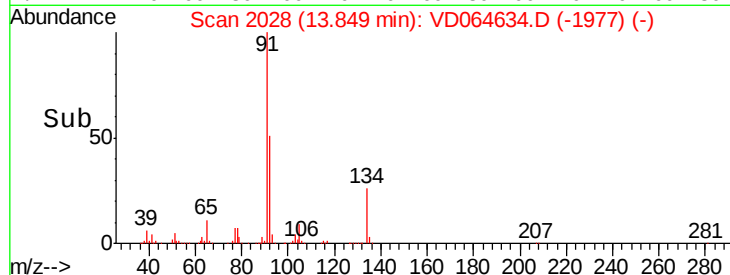
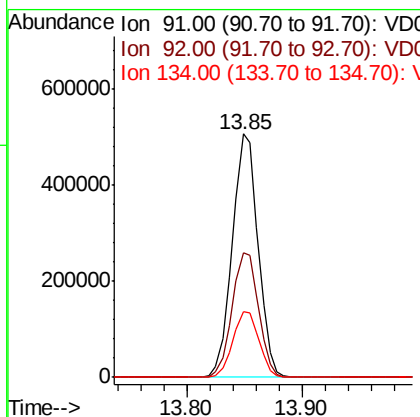
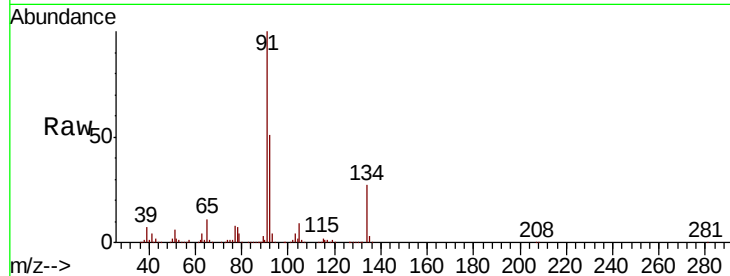
#89
n-Butylbenzene
Concen: 52.483 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.8	80.4
134	27.4	14.0	41.9

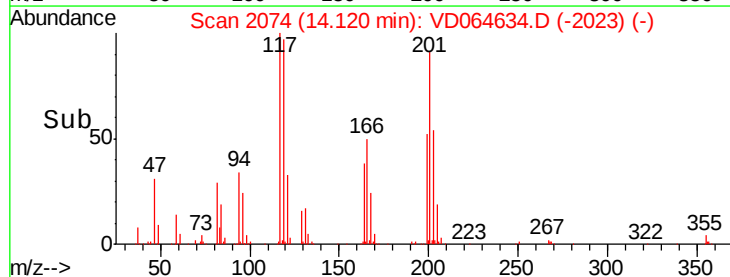
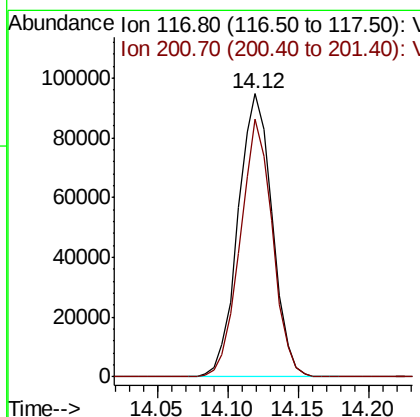
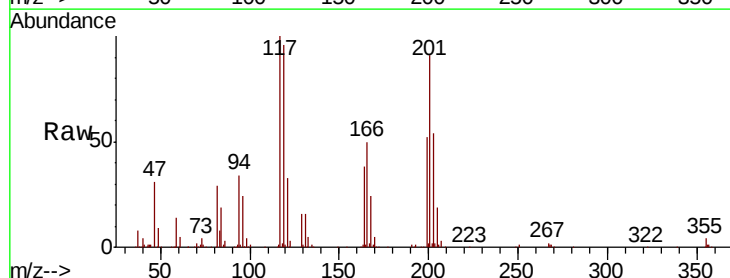
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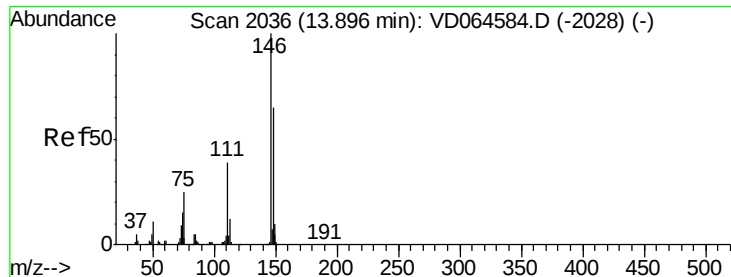
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#90
Hexachloroethane
Concen: 50.800 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.1	44.0	131.8





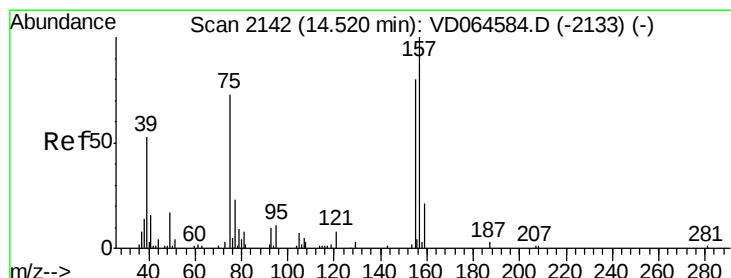
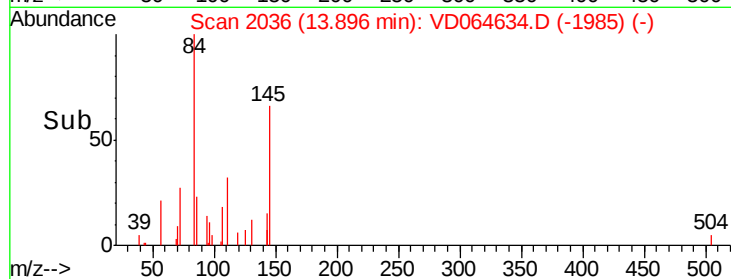
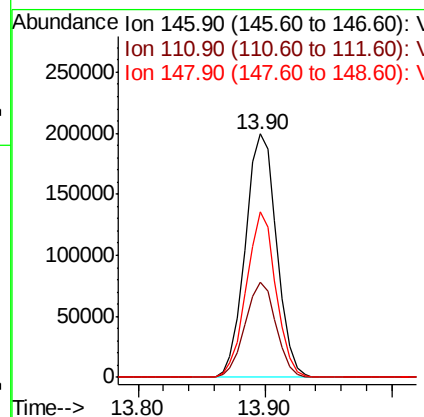
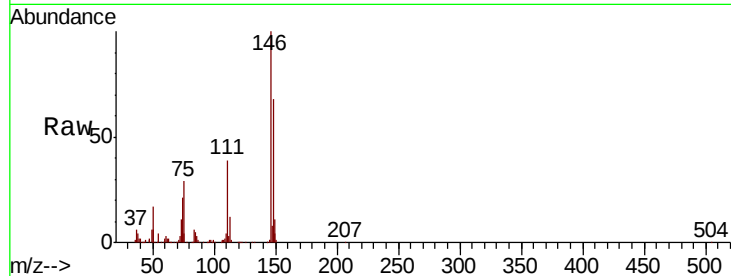
#91
 1,2-Dichlorobenzene
 Concen: 48.499 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.3	31.9	95.5

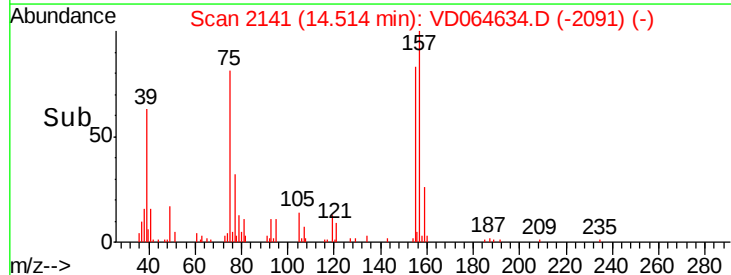
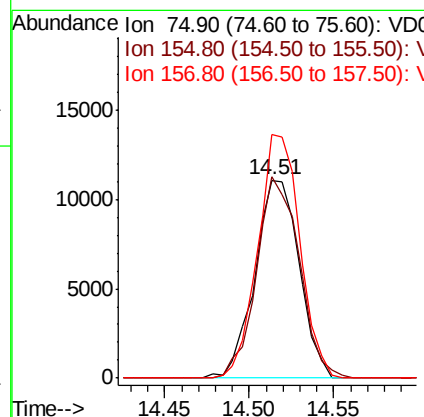
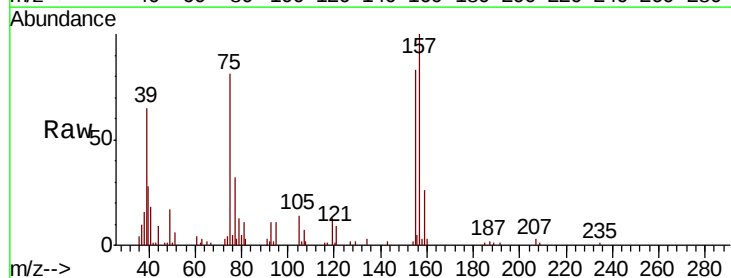
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.079 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	48.0	144.0
157	116.3	64.1	192.3





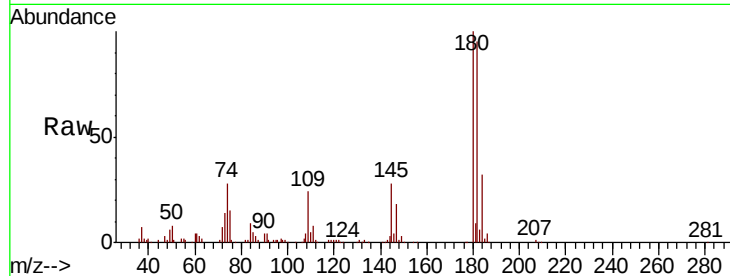
#93
 1,2,4-Trichlorobenzene
 Concen: 46.307 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	240360		
182	96.2	48.0	144.2	
145	28.5	13.8	41.4	

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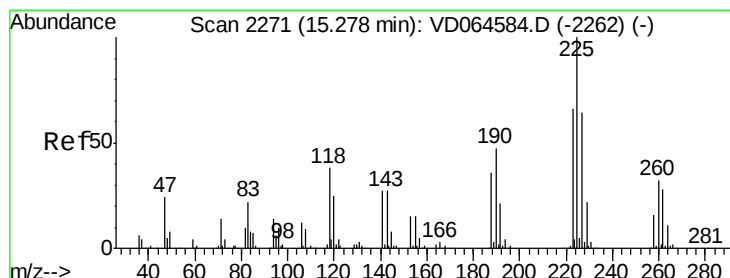
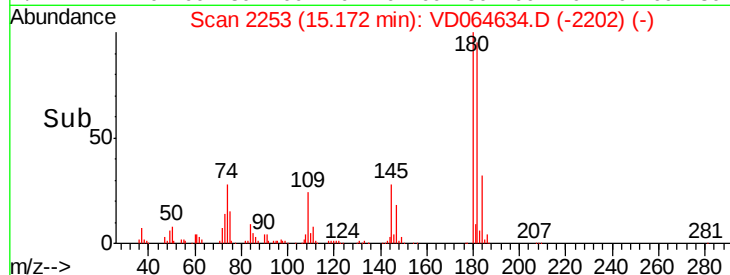
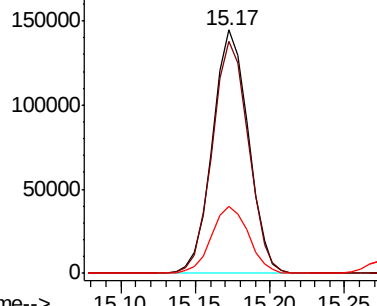


Abundance

Ion 179.80 (179.50 to 180.50): V

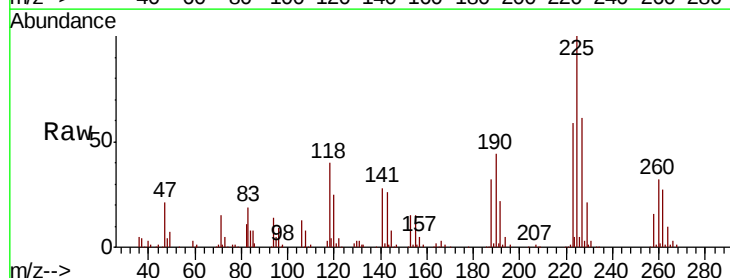
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 48.969 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064634.D
 Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	159945		
223	62.0	31.1	93.2	
227	63.7	30.9	92.7	

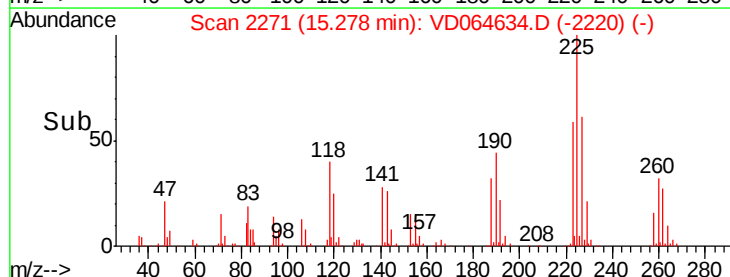
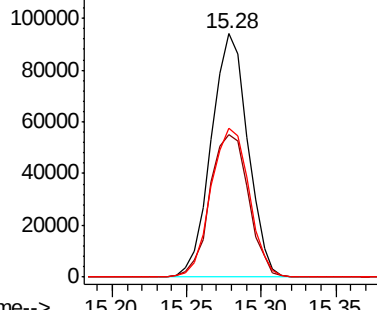


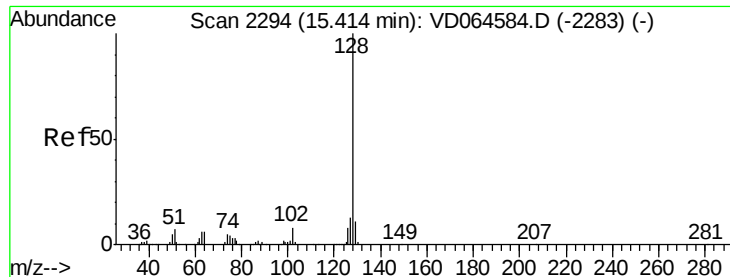
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





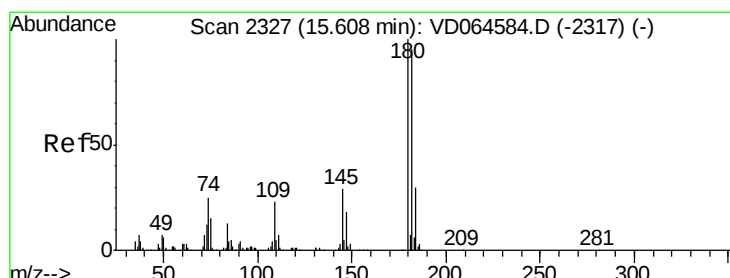
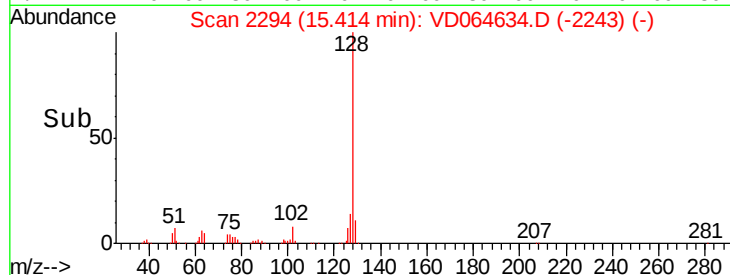
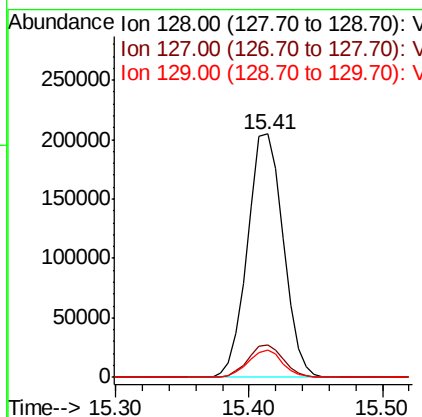
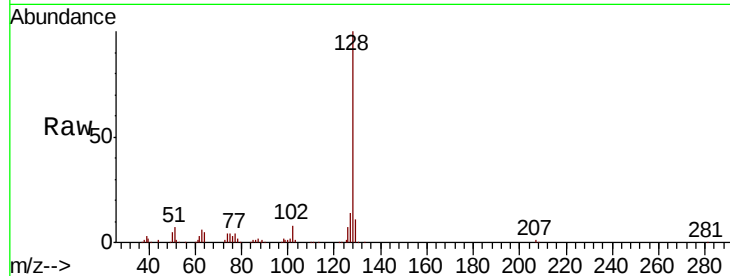
#95
Naphthalene
Concen: 46.177 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.7	8.5	12.7

Manual Integrations
APPROVED

apatel
12/30/2019 11:03:00 AM



#96
1,2,3-Trichlorobenzene
Concen: 46.432 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD064634.D
Acq: 27 Dec 2019 09:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.9	143.7
145	28.6	14.9	44.7

