

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD010320\
 Data File : VD064747.D
 Acq On : 03 Jan 2020 21:21
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

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 1/6/2020 10:49:57 AM

Quant Time: Jan 06 07:42:29 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	347160	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	538681	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	483441	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244691	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	183040	59.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	119.58%	
35) Dibromofluoromethane	7.91	113	179227	54.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.46%	
50) Toluene-d8	10.34	98	672094	53.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.20%	
62) 4-Bromofluorobenzene	12.64	95	216873	54.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	124425	46.118	ug/l	98
3) Chloromethane	2.21	50	196519	52.083	ug/l	99
4) Vinyl Chloride	2.35	62	233546	50.764	ug/l	97
5) Bromomethane	2.77	94	165904	49.596	ug/l	91
6) Chloroethane	2.92	64	168046	54.513	ug/l	96
7) Trichlorofluoromethane	3.27	101	390586	50.422	ug/l	100
8) Diethyl Ether	3.70	74	85265	55.429	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	158909	49.534	ug/l	96
10) Methyl Iodide	4.29	142	174673	50.689	ug/l	99
11) Tert butyl alcohol	5.26	59	53319	303.917	ug/l #	87
12) 1,1-Dichloroethene	4.06	96	153954	50.406	ug/l	98
13) Acrolein	3.92	56	72834	297.888	ug/l	99
14) Allyl chloride	4.71	41	253108	53.152	ug/l	99
15) Acrylonitrile	5.43	53	199333	311.100	ug/l	99
16) Acetone	4.17	43	163320	253.803	ug/l	95
17) Carbon Disulfide	4.40	76	474229	48.019	ug/l	99
18) Methyl Acetate	4.73	43	107049	62.114	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	402999	59.405	ug/l	97
20) Methylene Chloride	4.96	84	188919	61.463	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	184598	53.071	ug/l	97
22) Diisopropyl ether	6.37	45	559178	58.872	ug/l	100
23) Vinyl Acetate	6.31	43	1623364	301.295	ug/l	100
24) 1,1-Dichloroethane	6.27	63	326488	57.258	ug/l	99
25) 2-Butanone	7.22	43	253917	301.759	ug/l	98
26) 2,2-Dichloropropane	7.21	77	261096	49.249	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	211629	56.375	ug/l	98
28) Bromochloromethane	7.55	49	136698	61.671	ug/l	99
29) Tetrahydrofuran	7.57	42	165076	315.464	ug/l	97
30) Chloroform	7.71	83	345030	57.674	ug/l	96
31) Cyclohexane	7.98	56	268948	47.120	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	300271	53.438	ug/l	100
36) 1,1-Dichloropropene	8.11	75	252403	48.681	ug/l	99
37) Ethyl Acetate	7.30	43	115825	56.865	ug/l	98
38) Carbon Tetrachloride	8.10	117	278433	50.363	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	294335	46.871	ug/l	97
40) Benzene	8.36	78	741065	52.358	ug/l	97
41) Methacrylonitrile	7.54	41	66247m	56.057	ug/l	
42) 1,2-Dichloroethane	8.43	62	232130	56.754	ug/l	98
43) Isopropyl Acetate	8.46	43	229660	56.648	ug/l	100
44) Trichloroethene	9.11	130	211426	50.848	ug/l	94
45) 1,2-Dichloropropane	9.39	63	183042	54.164	ug/l	99
46) Dibromomethane	9.48	93	102972	54.652	ug/l	98
47) Bromodichloromethane	9.67	83	270095	53.872	ug/l	95
48) Methyl methacrylate	9.46	41	105074	55.043	ug/l	88
49) 1,4-Dioxane	9.47	88	25234	1161.492	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	592647	295.748	ug/l	100
52) Toluene	10.41	92	486063	52.343	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	256350	54.842	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	299501	54.339	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	140453	55.314	ug/l	96
56) Ethyl methacrylate	10.67	69	184001	58.023	ug/l	99
57) 1,3-Dichloropropane	10.95	76	243029	55.587	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	320733	265.468	ug/l	99
59) 2-Hexanone	10.99	43	393570	289.372	ug/l	99
60) Dibromochloromethane	11.14	129	196385	55.928	ug/l	100
61) 1,2-Dibromoethane	11.25	107	138421	55.270	ug/l	100
64) Tetrachloroethene	10.88	164	194056	52.322	ug/l	98
65) Chlorobenzene	11.67	112	520096	51.835	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	202611	53.564	ug/l	100
67) Ethyl Benzene	11.75	91	921607	50.605	ug/l	96
68) m/p-Xylenes	11.86	106	721841	102.689	ug/l	99
69) o-Xylene	12.18	106	331827	52.262	ug/l	100
70) Styrene	12.20	104	597893	53.648	ug/l	99
71) Bromoform	12.37	173	119638	55.462	ug/l #	100
73) Isopropylbenzene	12.48	105	878132	50.219	ug/l	99
74) N-amyl acetate	12.30	43	211784	56.658	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	154182	56.129	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	101975m	52.776	ug/l	
77) Bromobenzene	12.77	156	225532	52.491	ug/l	99
78) n-propylbenzene	12.83	91	1032676	50.622	ug/l	100
79) 2-Chlorotoluene	12.91	91	575687	51.371	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	730200	50.835	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	49848	53.956	ug/l	99
82) 4-Chlorotoluene	13.01	91	609626	51.118	ug/l	100
83) tert-Butylbenzene	13.23	119	620443	49.749	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	736320	51.471	ug/l	98
85) sec-Butylbenzene	13.41	105	851728	49.815	ug/l	100
86) p-Isopropyltoluene	13.53	119	822863	50.332	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	423337	51.685	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	421517	52.386	ug/l	99
89) n-Butylbenzene	13.86	91	737312	50.080	ug/l	99
90) Hexachloroethane	14.12	117	155851	49.905	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	371752	53.227	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	24979	56.094	ug/l	93

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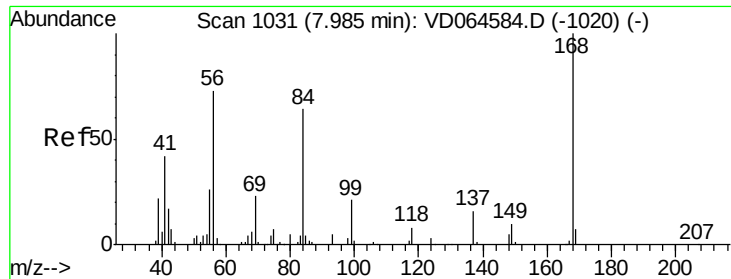
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	262075	50.961	ug/l	98
94) Hexachlorobutadiene	15.28	225	147880	45.697	ug/l	96
95) Naphthalene	15.41	128	444940	54.690	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	229868	52.358	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 347160

Ion Ratio Lower Upper

168 100

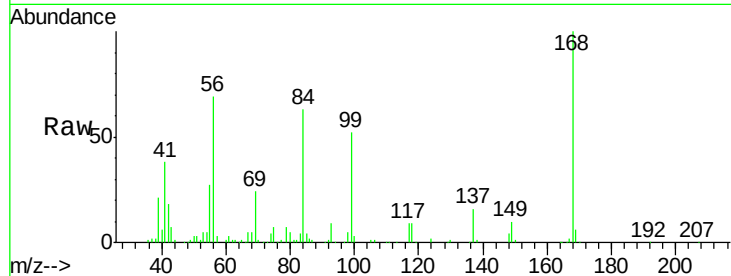
99 51.6 41.8 62.6

Manual Integrations

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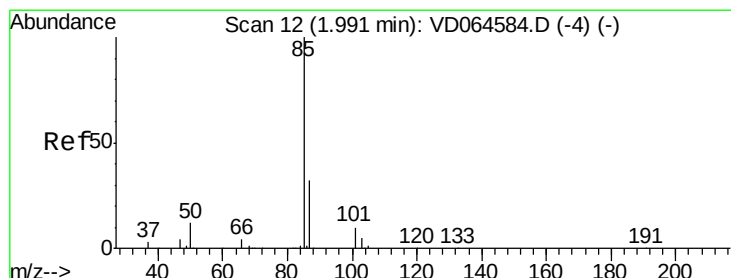
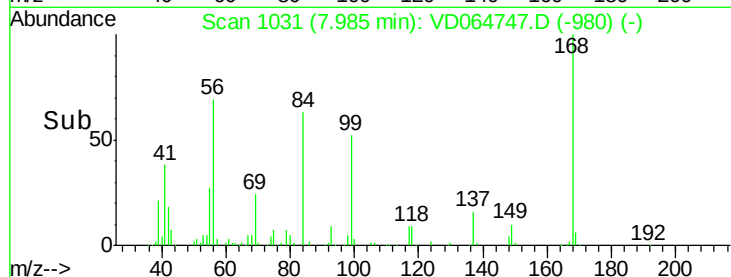
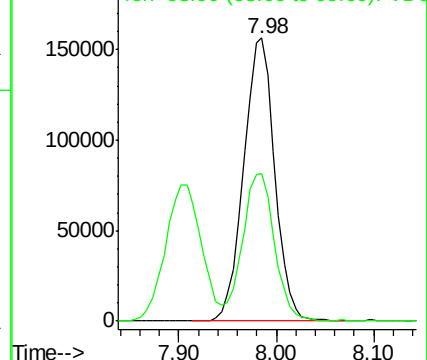
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 46.118 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064747.D

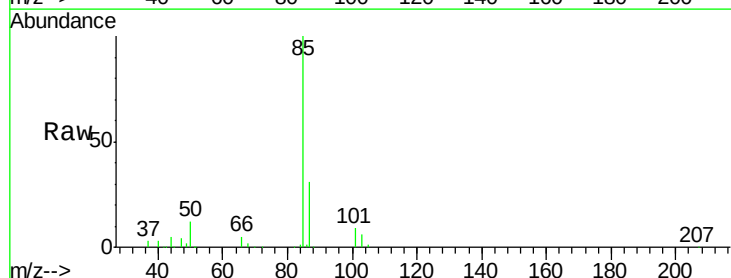
Acq: 03 Jan 2020 21:21

Tgt Ion: 85 Resp: 124425

Ion Ratio Lower Upper

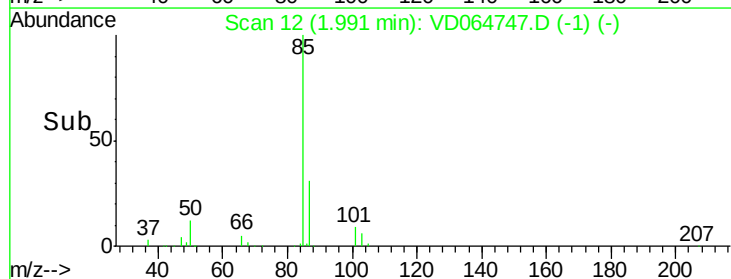
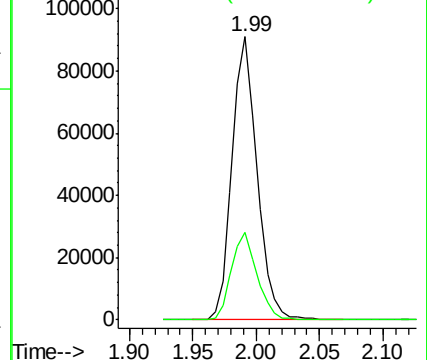
85 100

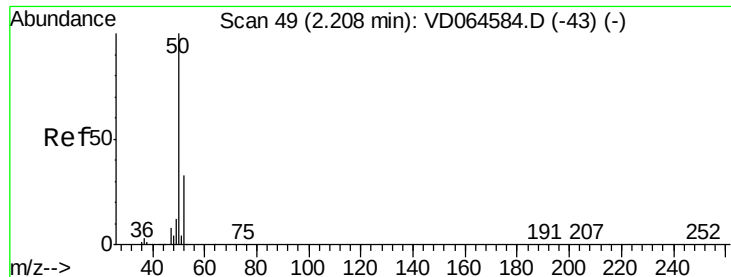
87 30.9 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 52.083 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 196519

Ion Ratio Lower Upper

50 100

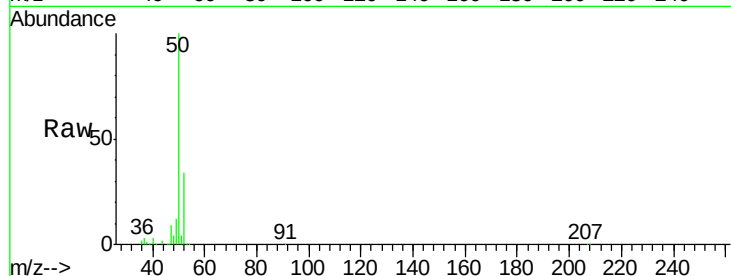
52 33.9 26.5 39.7

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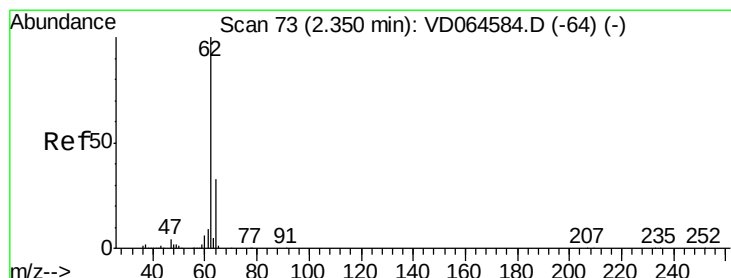
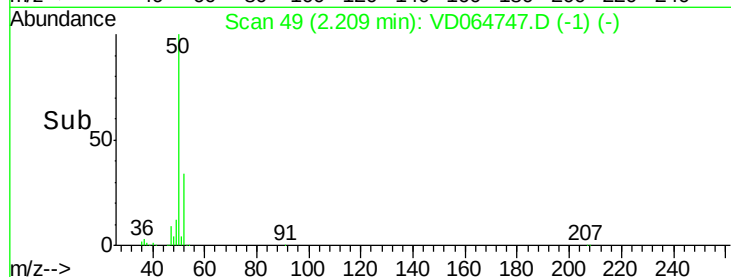
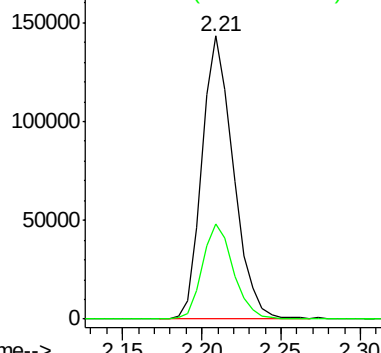
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 50.764 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064747.D

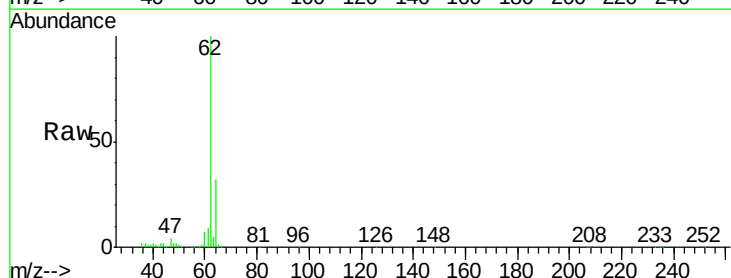
Acq: 03 Jan 2020 21:21

Tgt Ion: 62 Resp: 233546

Ion Ratio Lower Upper

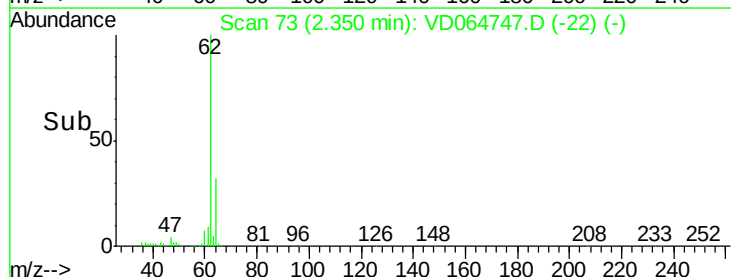
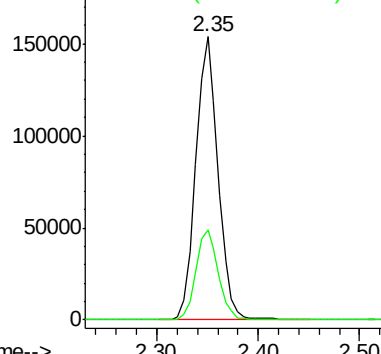
62 100

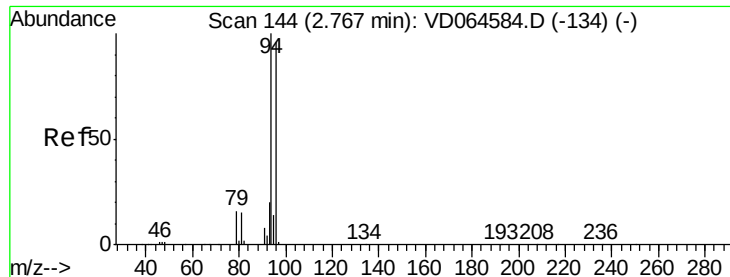
64 31.7 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.596 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

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ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 165904

Ion Ratio Lower Upper

94 100

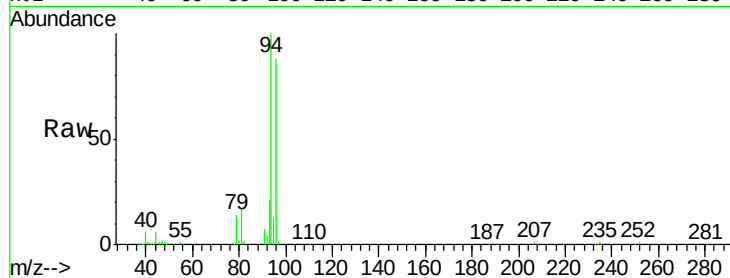
96 87.9 77.2 115.8

Manual Integrations

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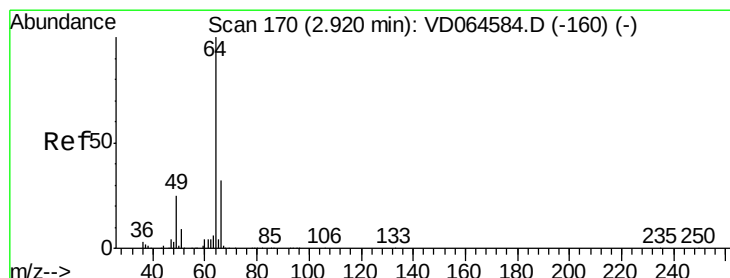
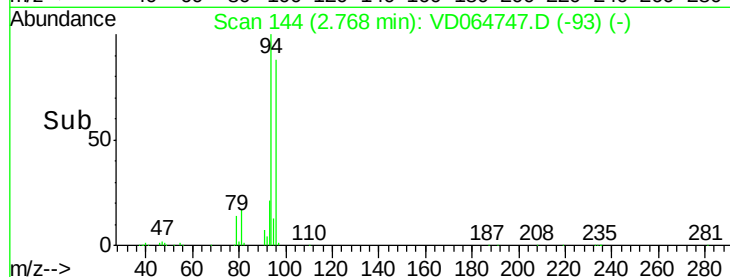
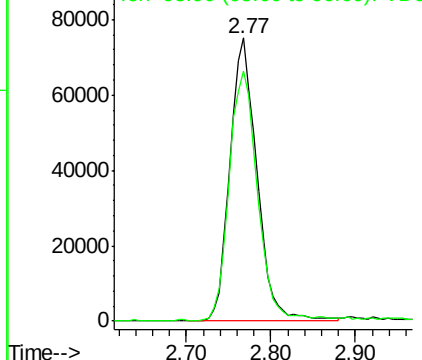
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 54.513 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064747.D

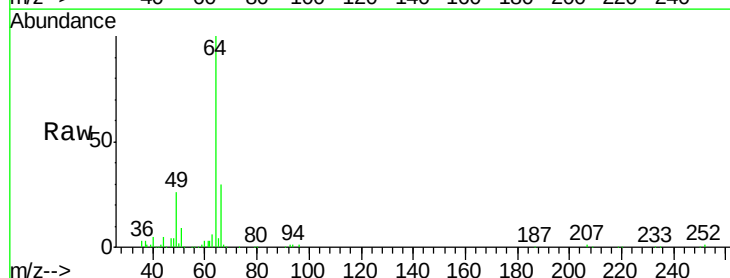
Acq: 03 Jan 2020 21:21

Tgt Ion: 64 Resp: 168046

Ion Ratio Lower Upper

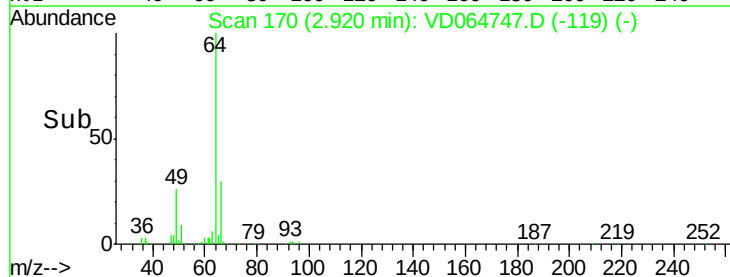
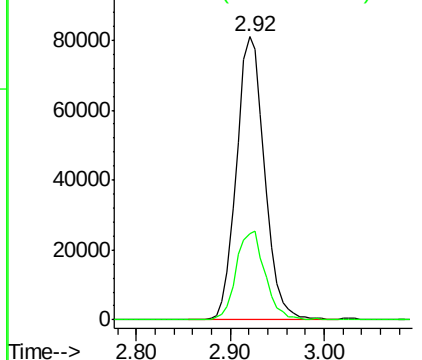
64 100

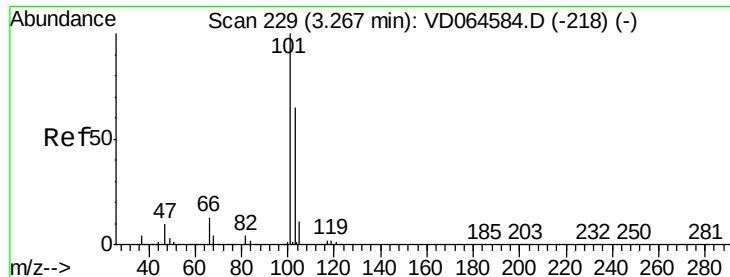
66 30.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

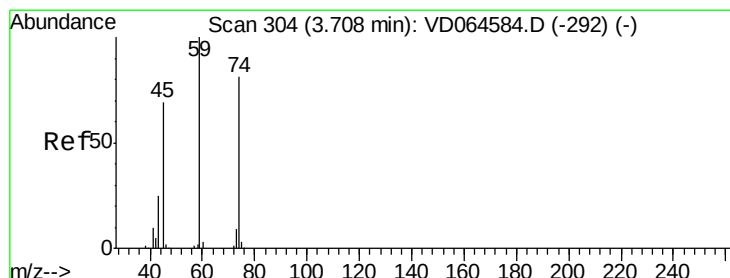
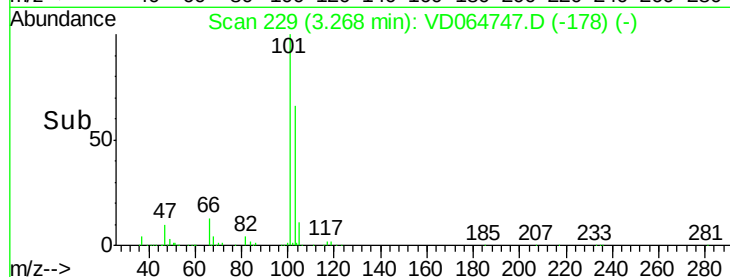
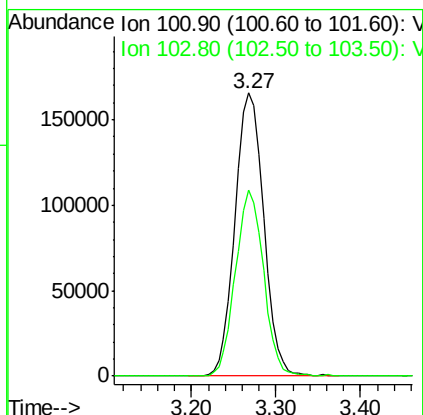
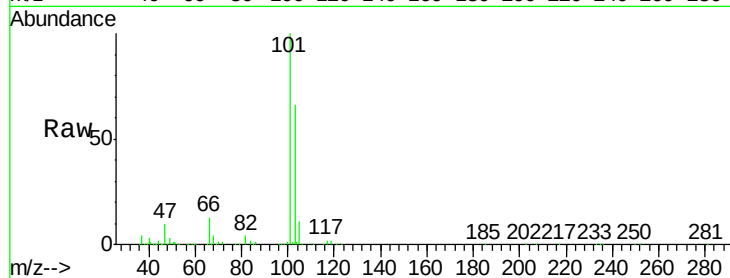
Trichlorofluoromethane
Concen: 50.422 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

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Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.5	52.2	78.4

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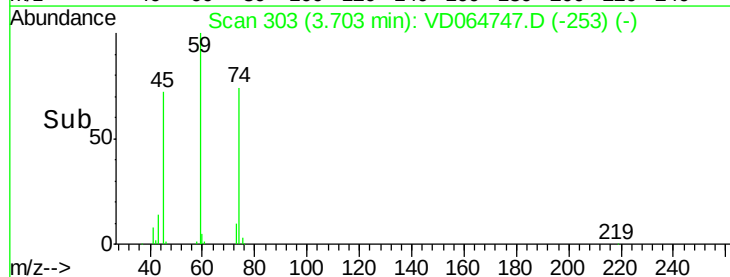
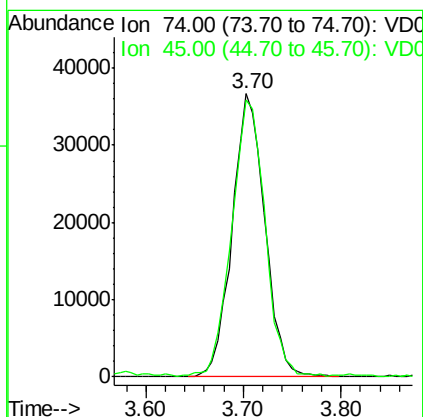
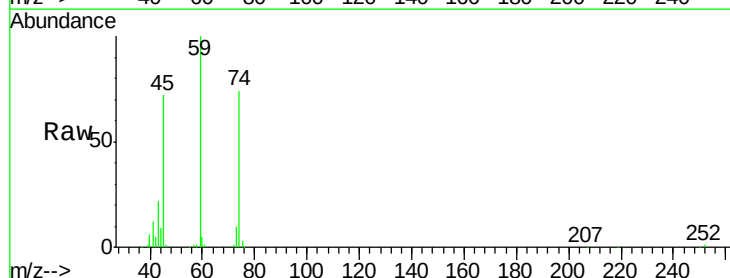
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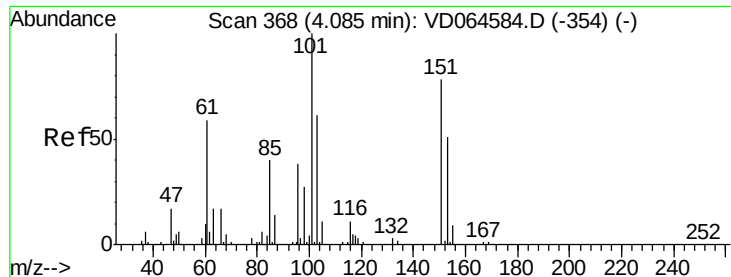


#8

Diethyl Ether
Concen: 55.429 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.8	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.534 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064747.D

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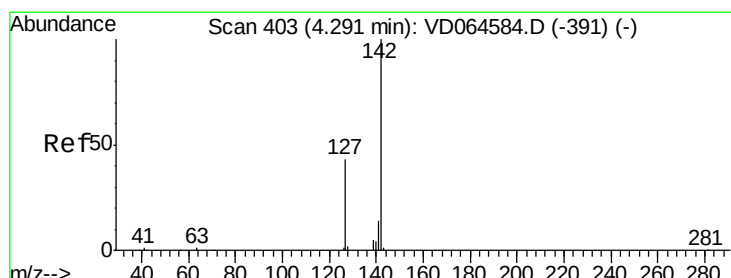
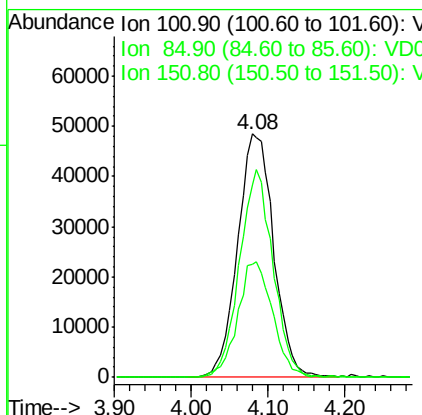
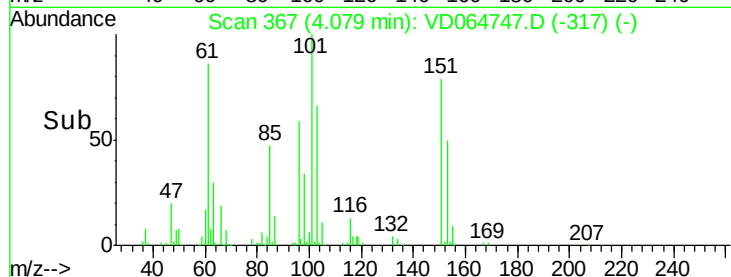
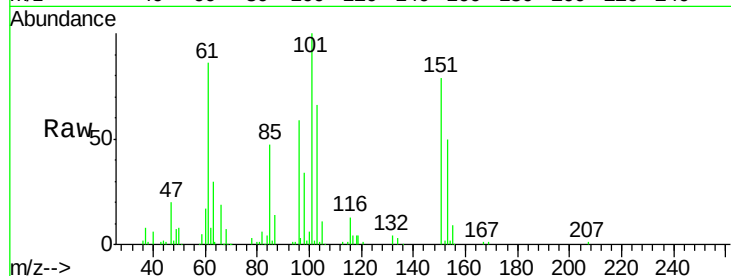
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	158909
Ion Ratio	Lower	Upper	
101	100		
85	46.0	35.2	52.8
151	79.2	66.2	99.4

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#10

Methyl Iodide

Concen: 50.689 ug/l

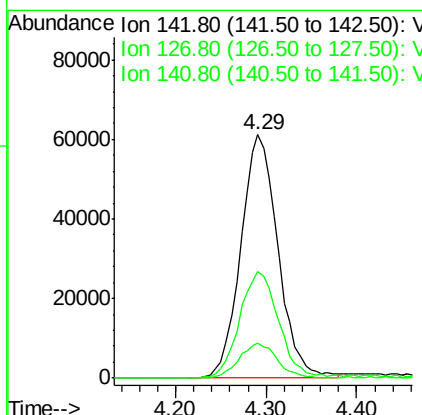
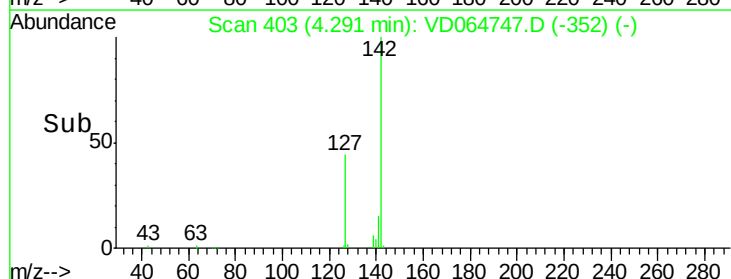
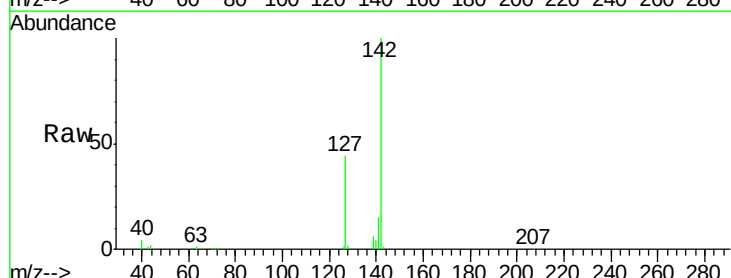
RT: 4.29 min Scan# 403

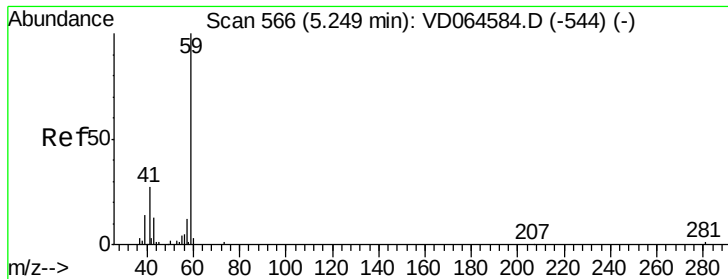
Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion:	142	Resp:	174673
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.2	54.4
141	14.5	11.8	17.8





#11

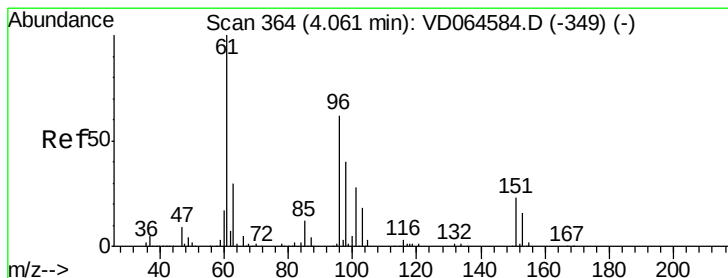
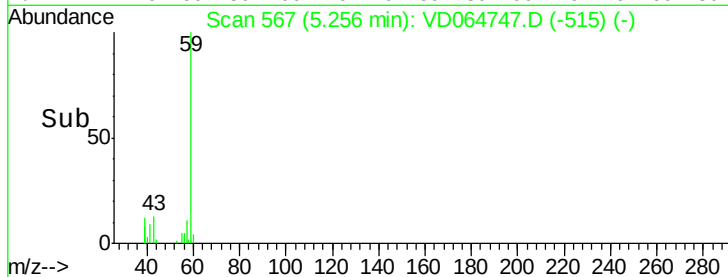
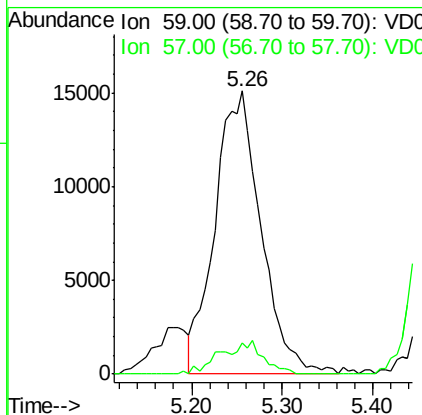
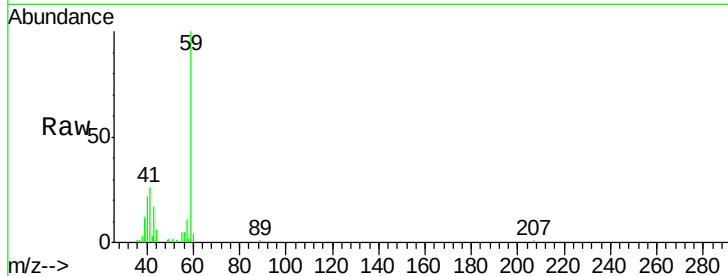
Tert butyl alcohol
 Concen: 303.917 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	6.6	9.3	13.9#

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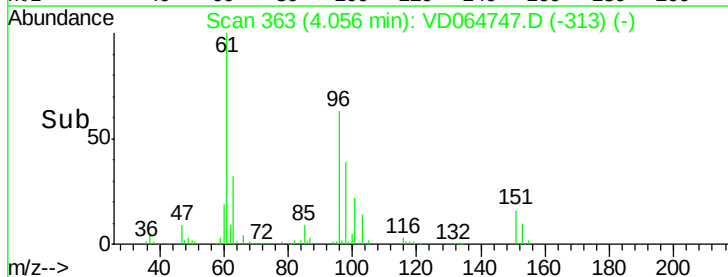
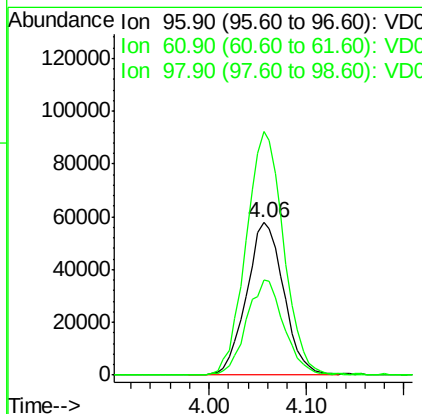
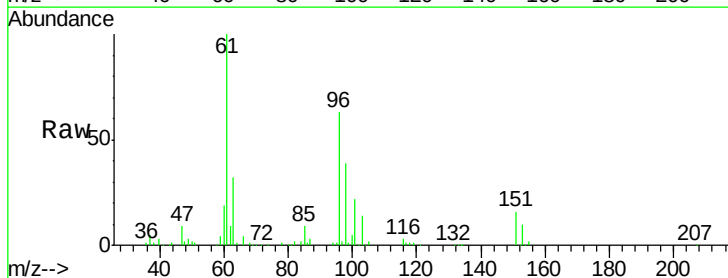
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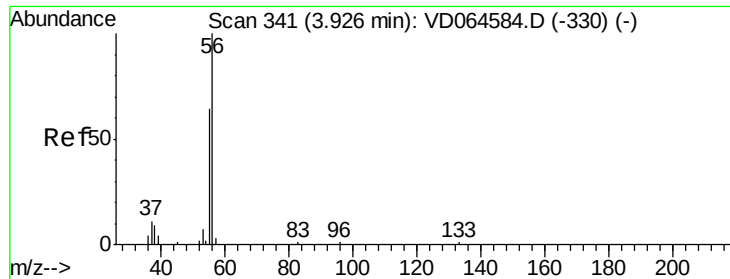


#12

1,1-Dichloroethene
 Concen: 50.406 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.6	129.4	194.0
98	62.2	51.4	77.0





#13

Acrolein

Concen: 297.888 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 72834

Ion Ratio Lower Upper

56 100

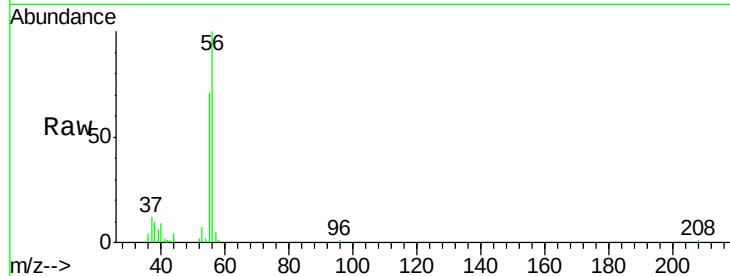
55 71.7 56.7 85.1

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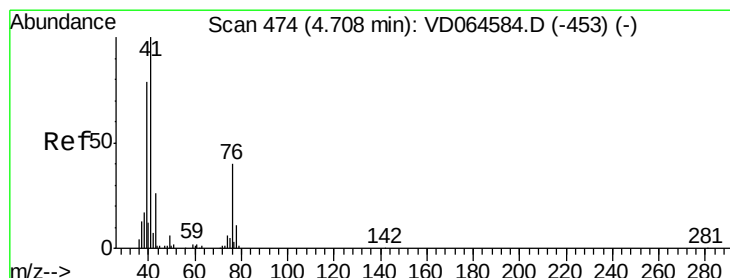
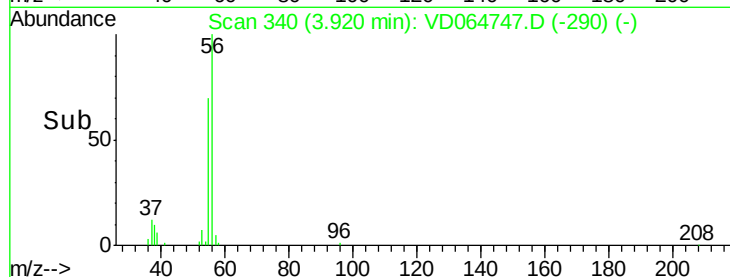
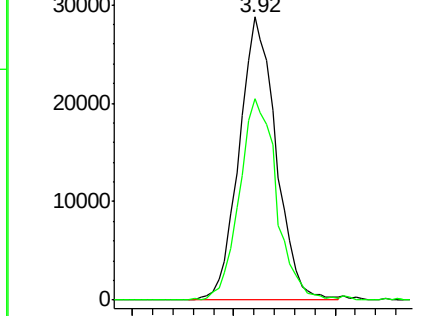
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 53.152 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

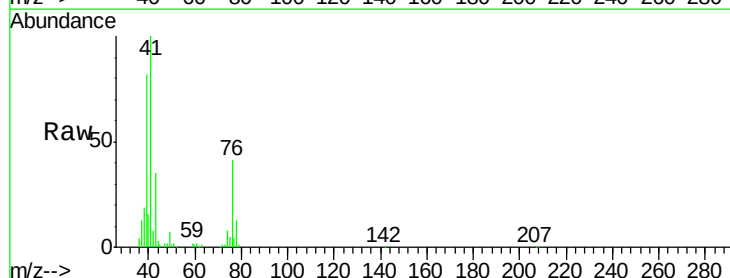
Tgt Ion: 41 Resp: 253108

Ion Ratio Lower Upper

41 100

39 78.3 62.3 93.5

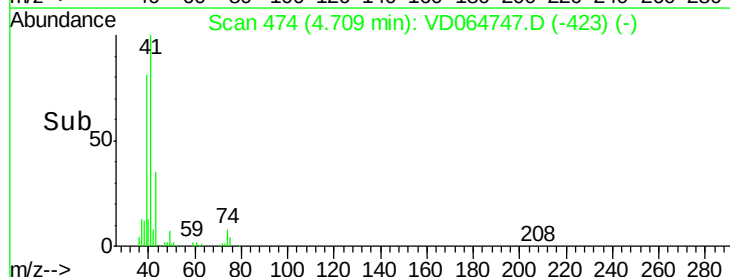
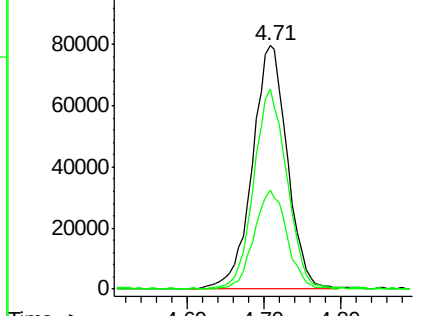
76 37.4 29.7 44.5

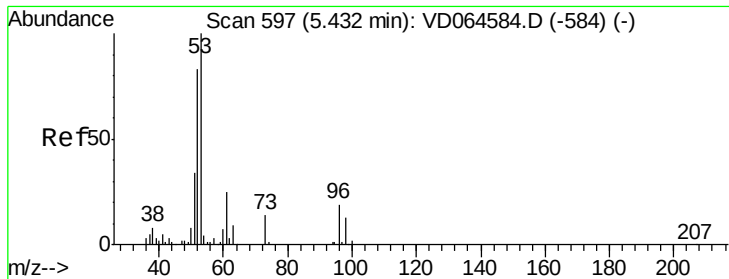


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 311.100 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

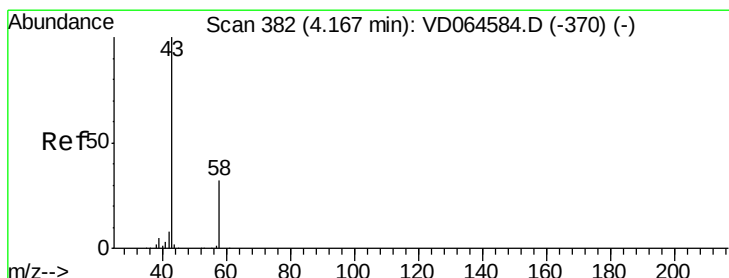
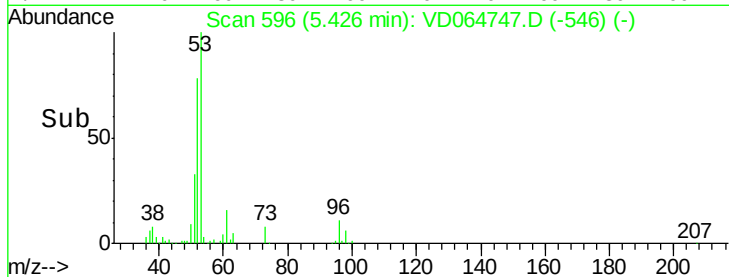
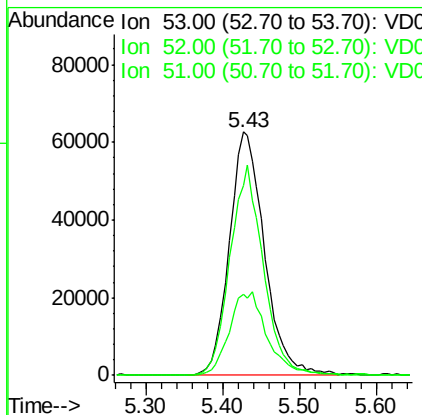
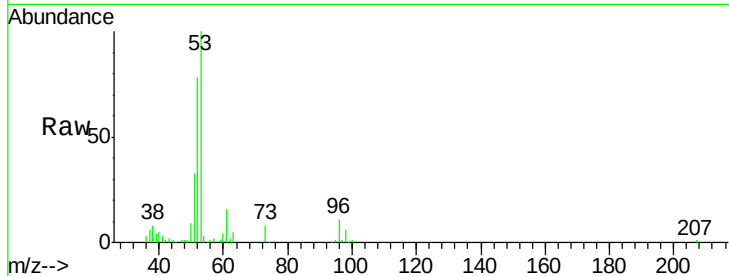
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	53	Resp:	199333
Ion Ratio	Lower	Upper	
53	100		
52	82.0	66.2	99.2
51	37.0	30.1	45.1

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#16

Acetone

Concen: 253.803 ug/l

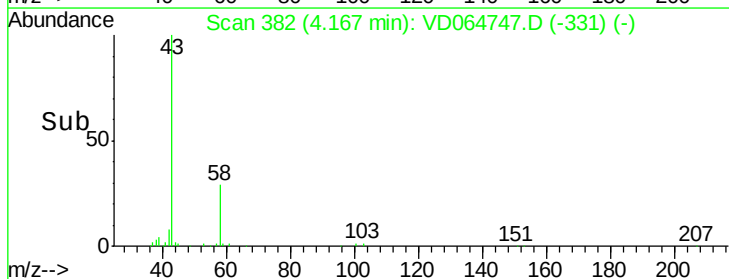
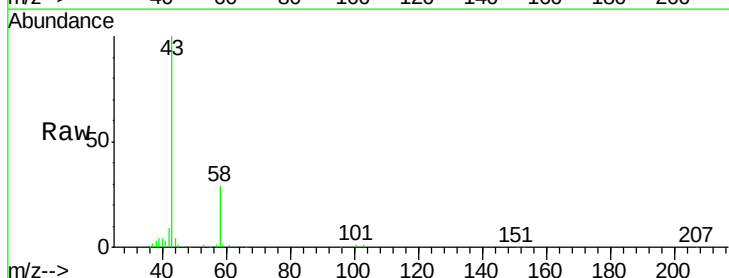
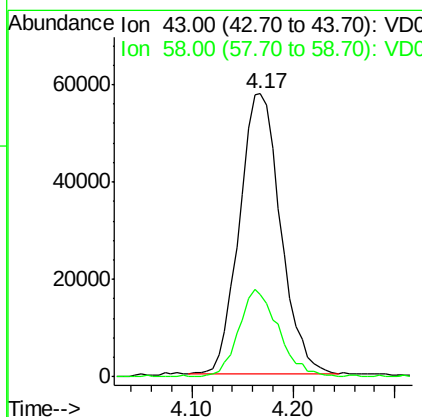
RT: 4.17 min Scan# 382

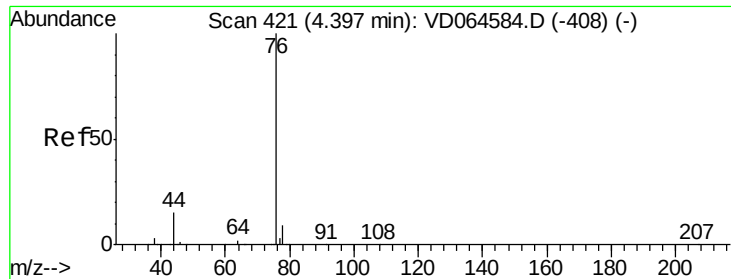
Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion:	43	Resp:	163320
Ion Ratio	Lower	Upper	
43	100		
58	29.5	25.8	38.6





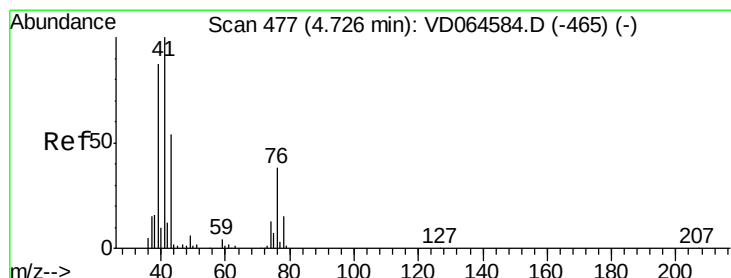
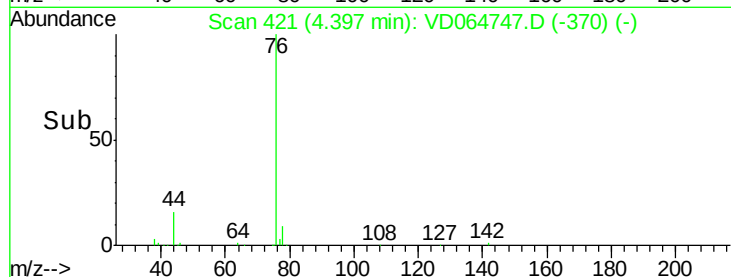
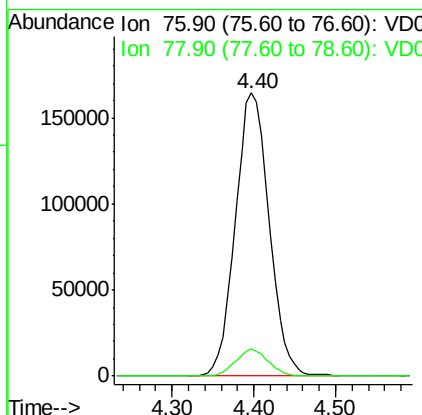
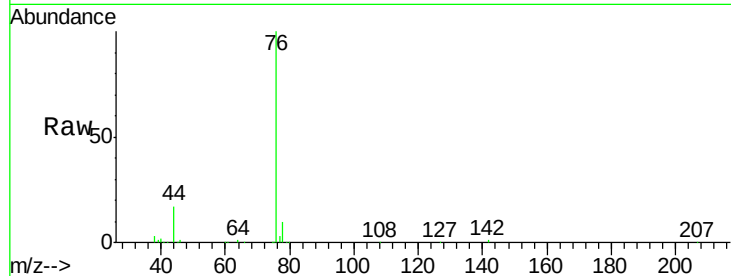
#17
Carbon Disulfide
Concen: 48.019 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 474229
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

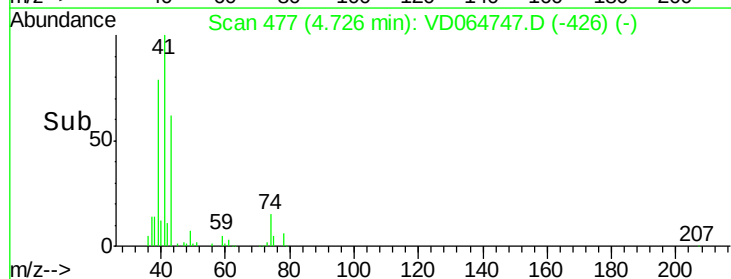
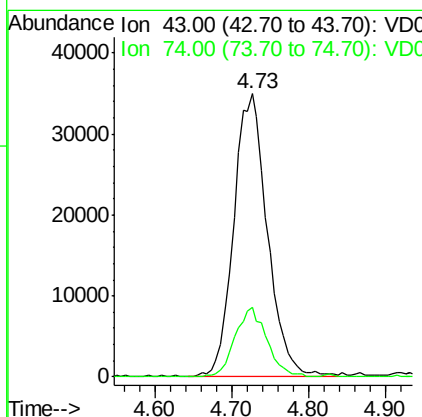
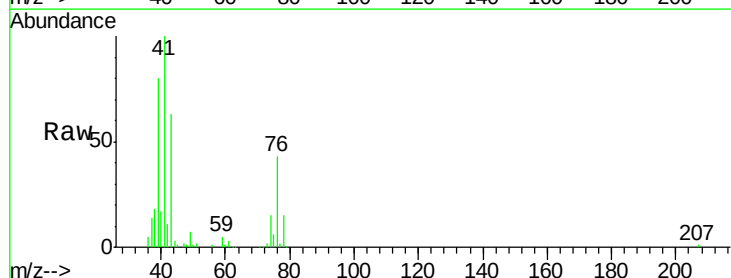
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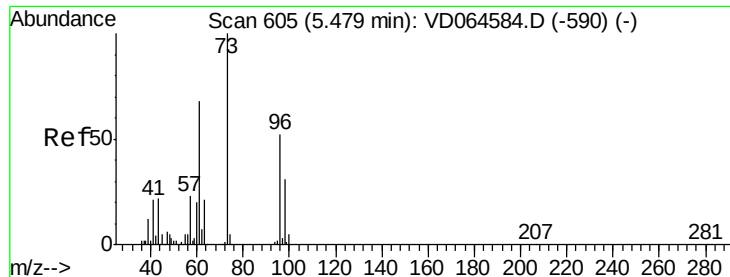
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#18
Methyl Acetate
Concen: 62.114 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 43 Resp: 107049
Ion Ratio Lower Upper
43 100
74 23.1 19.2 28.8





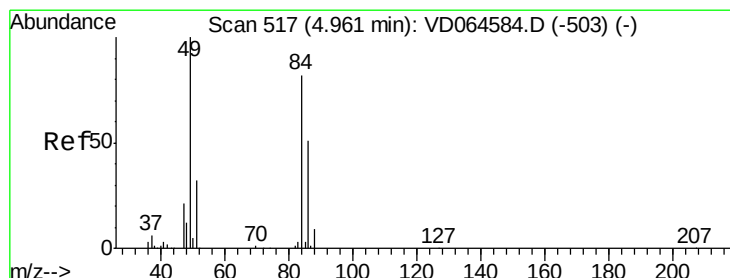
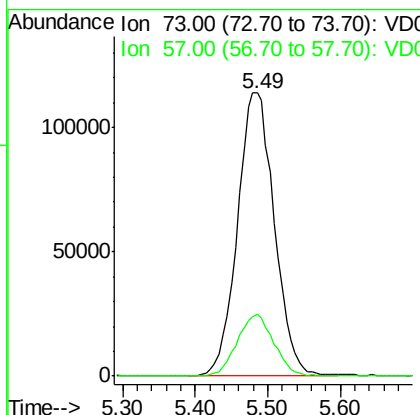
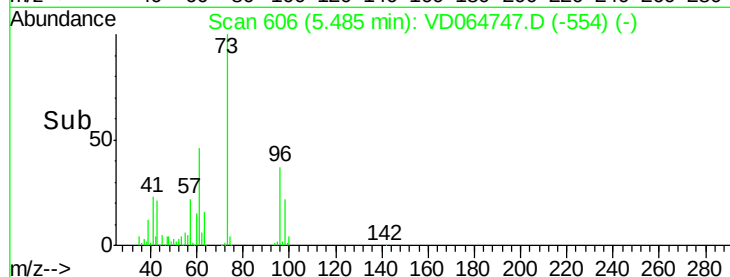
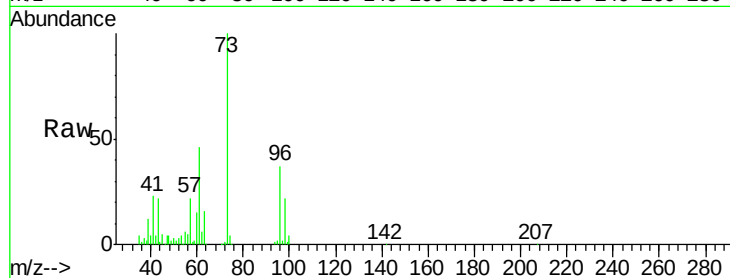
#19
Methyl tert-butyl Ether
Concen: 59.405 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 402999
Ion Ratio Lower Upper
73 100
57 21.9 18.6 27.8

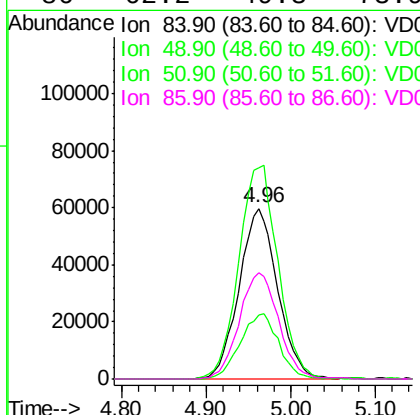
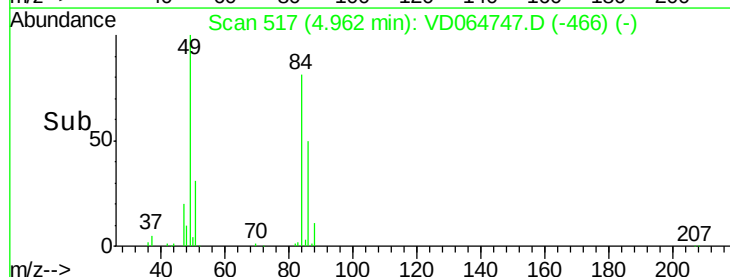
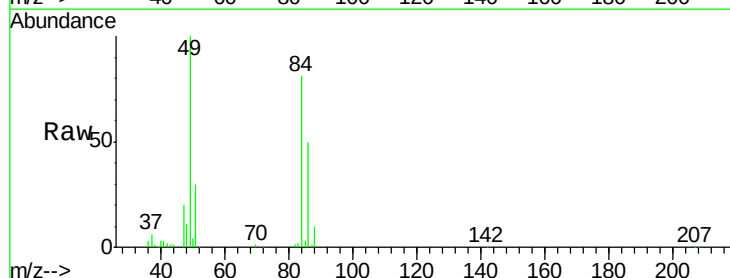
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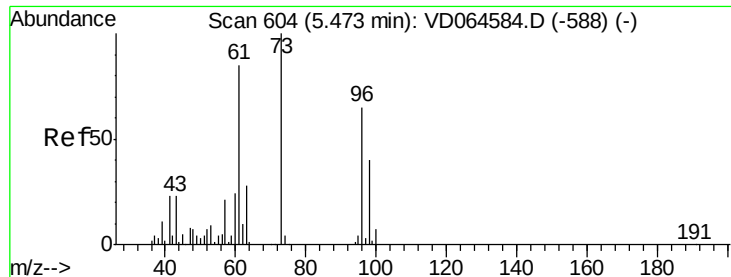
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#20
Methylene Chloride
Concen: 61.463 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 84 Resp: 188919
Ion Ratio Lower Upper
84 100
49 123.9 97.2 145.8
51 37.7 31.4 47.0
86 62.2 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 53.071 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

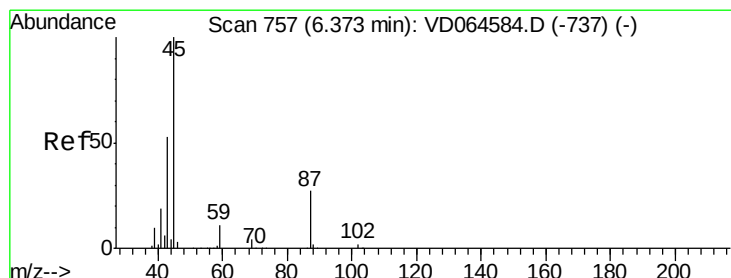
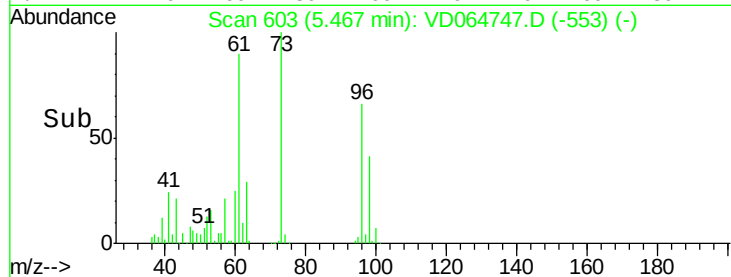
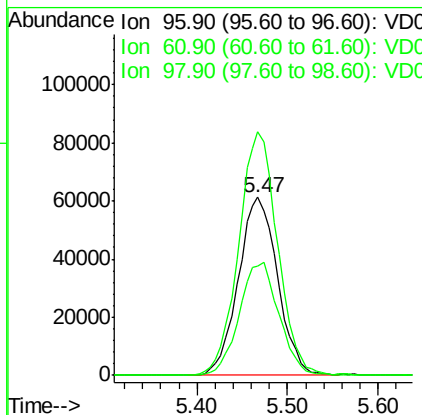
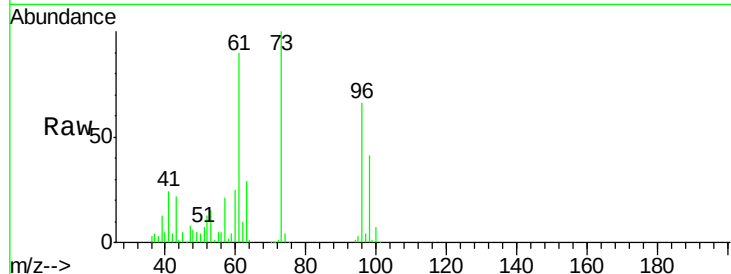
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	184598
Ion	Ratio	Lower	Upper
96	100		
61	136.6	104.7	157.1
98	61.4	49.4	74.2

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#22

Diisopropyl ether

Concen: 58.872 ug/l

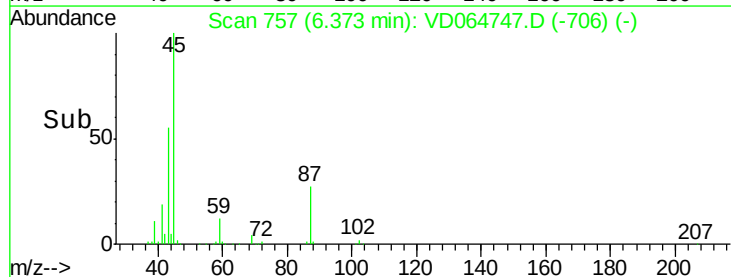
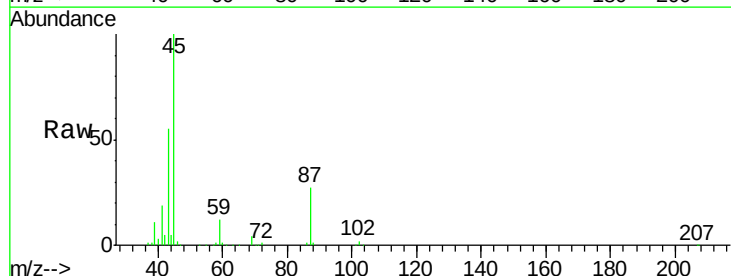
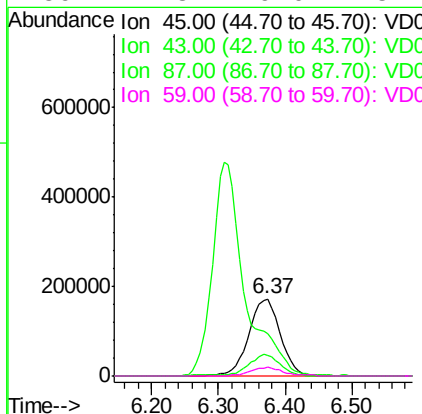
RT: 6.37 min Scan# 757

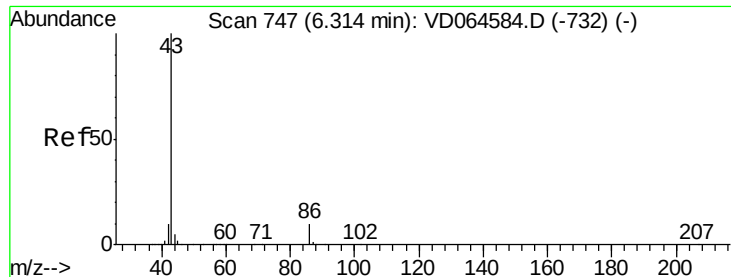
Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion:	45	Resp:	559178
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.2	64.8
87	27.0	21.9	32.9
59	11.8	9.0	13.4





#23

Vinyl Acetate

Concen: 301.295 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 1623364

Ion Ratio Lower Upper

43 100

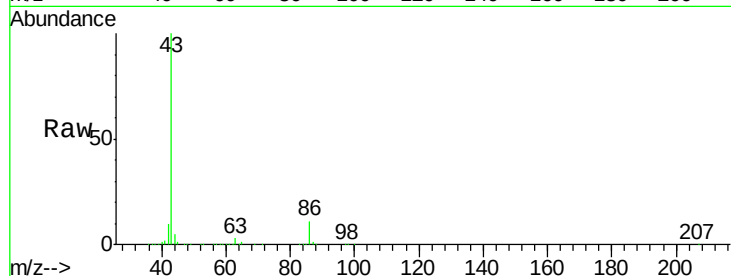
86 10.5 8.3 12.5

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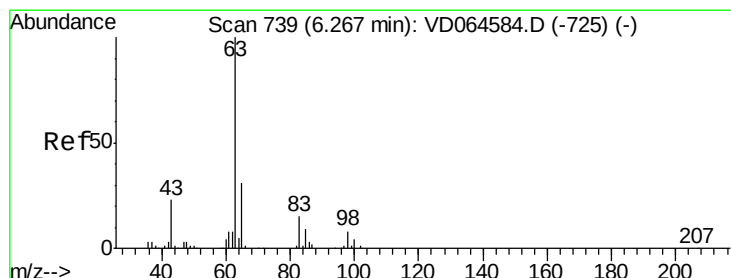
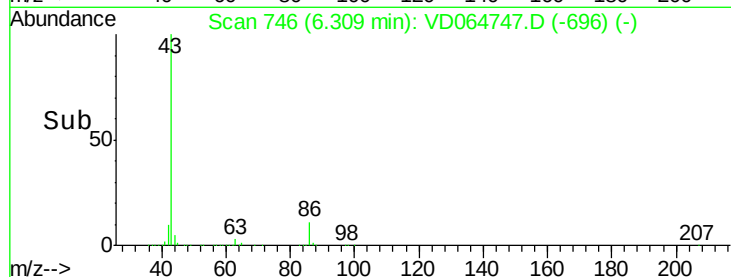
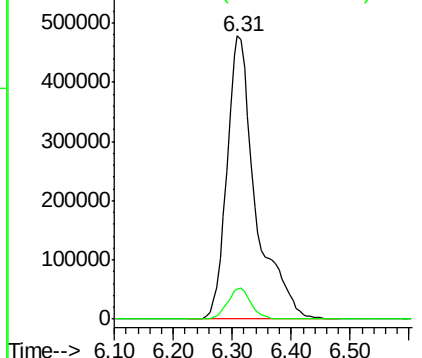
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.258 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

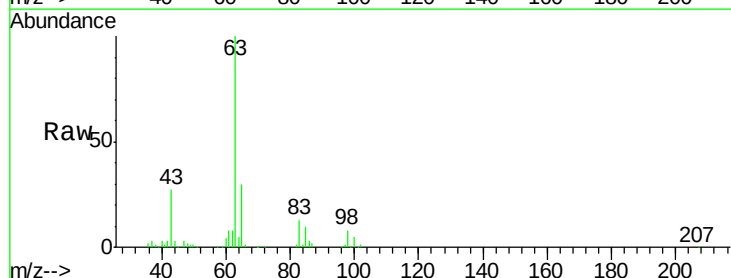
Tgt Ion: 63 Resp: 326488

Ion Ratio Lower Upper

63 100

98 7.8 4.1 12.3

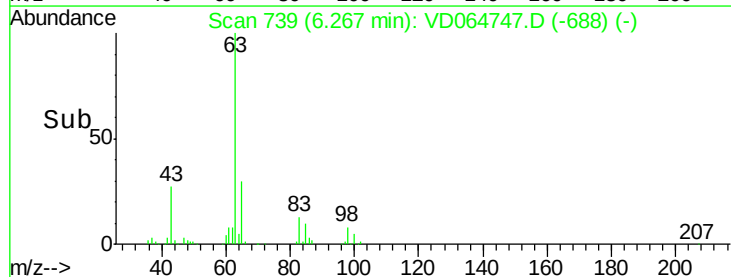
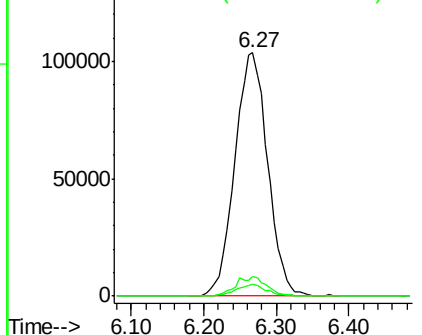
100 4.9 2.2 6.6

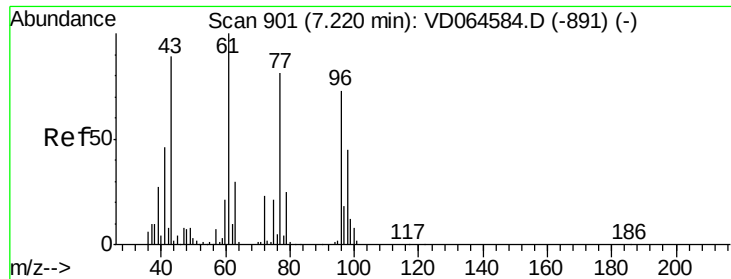


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 301.759 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 253917

Ion Ratio Lower Upper

43 100

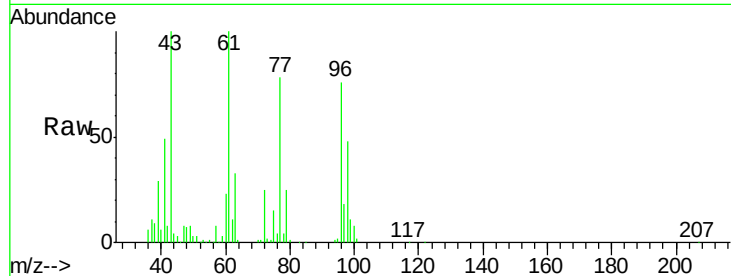
72 24.8 20.7 31.1

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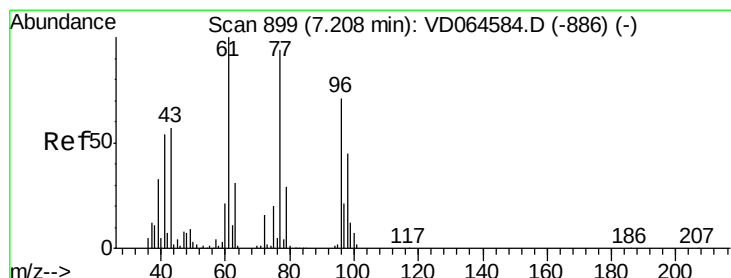
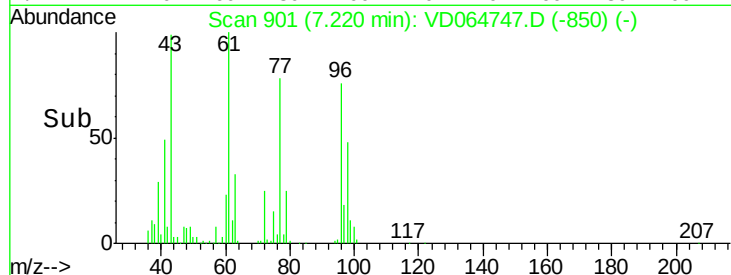
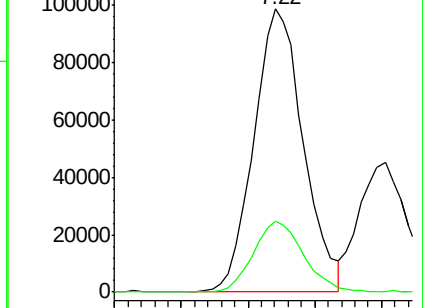
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.249 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064747.D

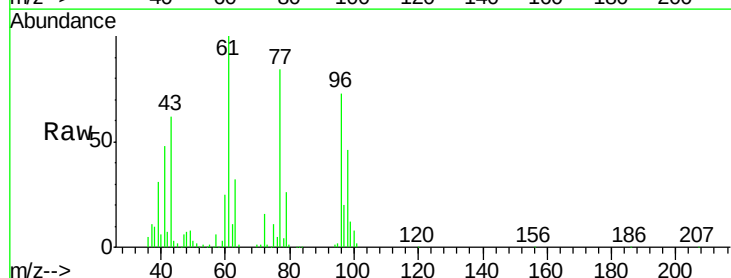
Acq: 03 Jan 2020 21:21

Tgt Ion: 77 Resp: 261096

Ion Ratio Lower Upper

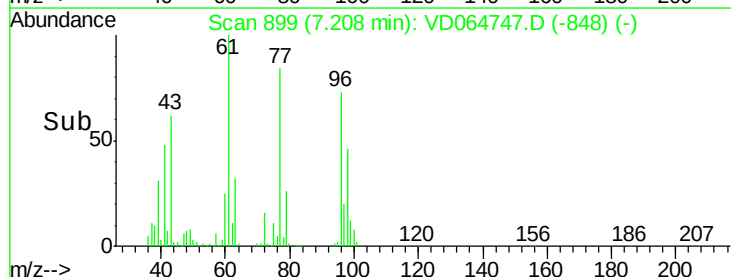
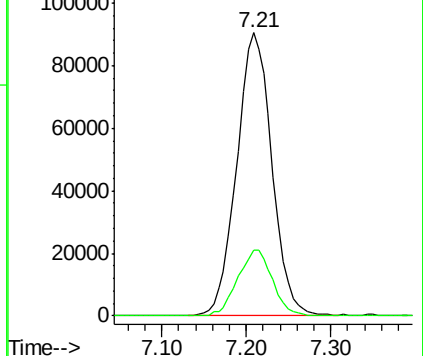
77 100

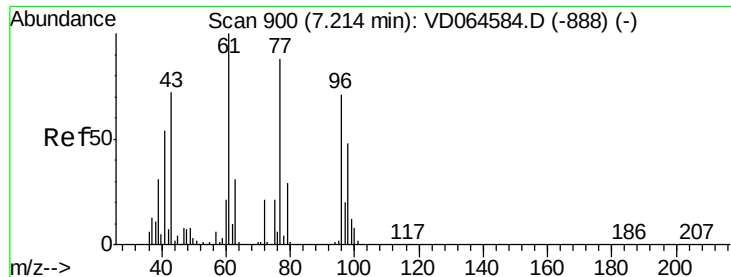
97 22.9 11.2 33.6



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

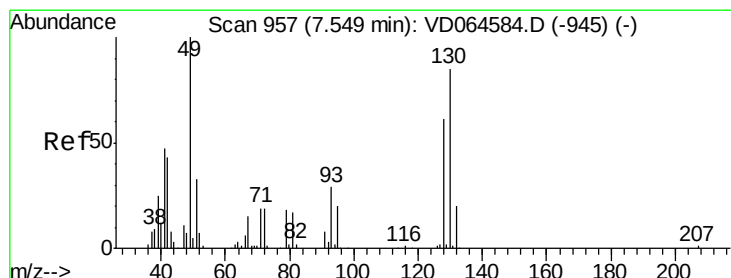
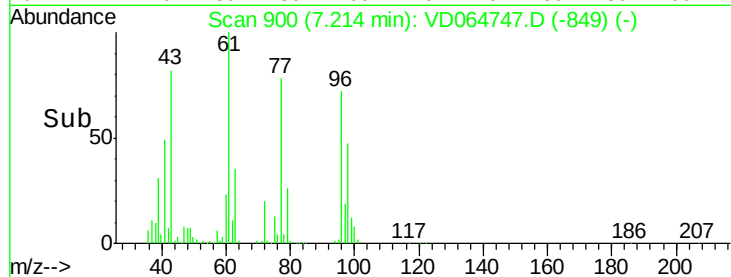
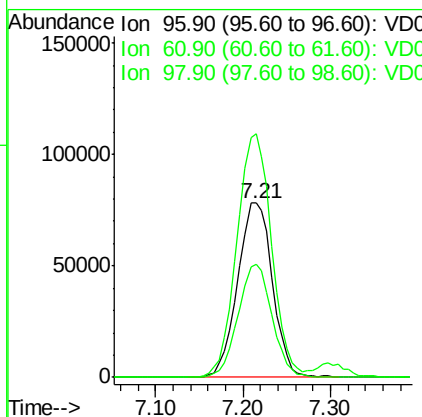
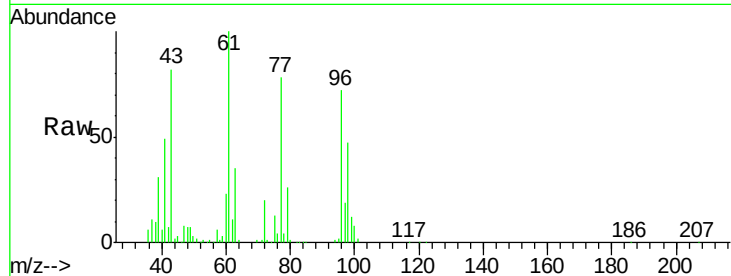
cis-1,2-Dichloroethene
 Concen: 56.375 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	211629		
61	138.4	0.0	282.6	
98	63.3	0.0	130.8	

Manual Integrations
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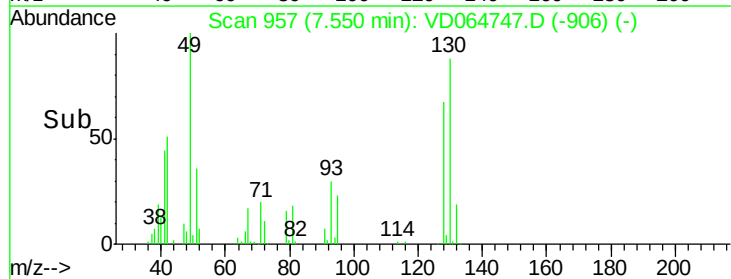
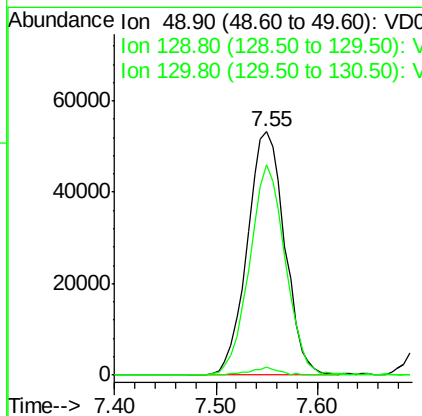
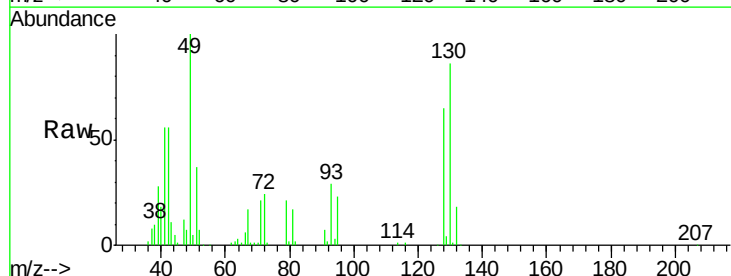
apatel
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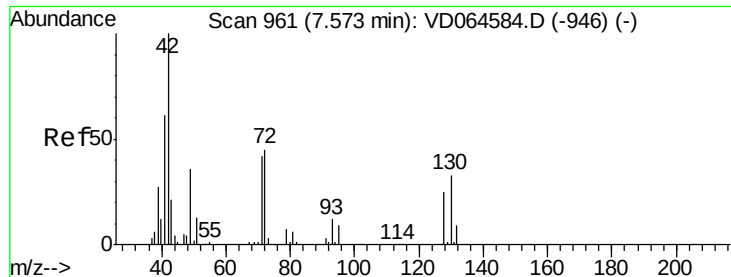


#28

Bromochloromethane
 Concen: 61.671 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	136698		
129	2.5	0.0	4.8	
130	82.5	65.0	97.6	





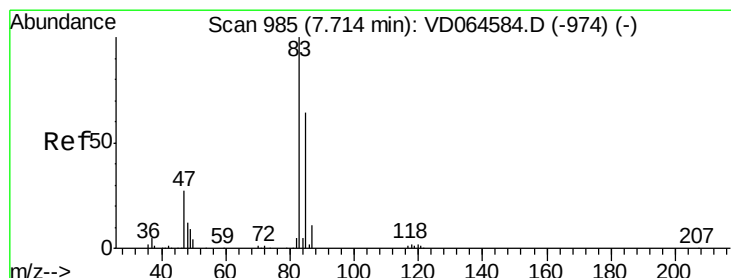
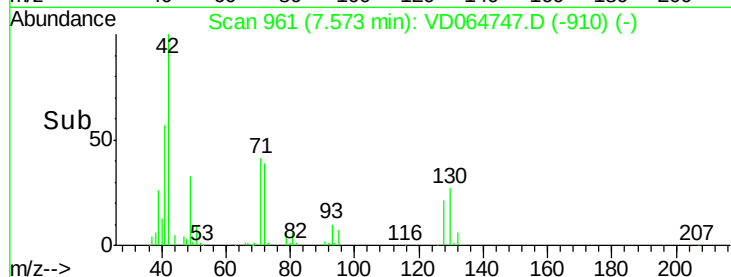
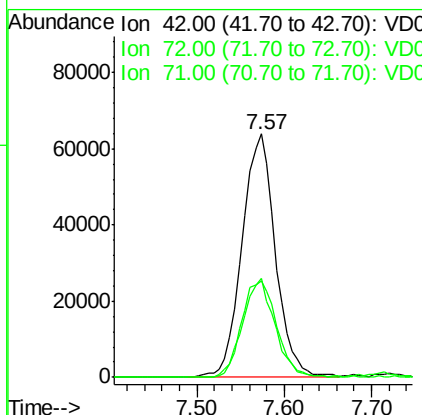
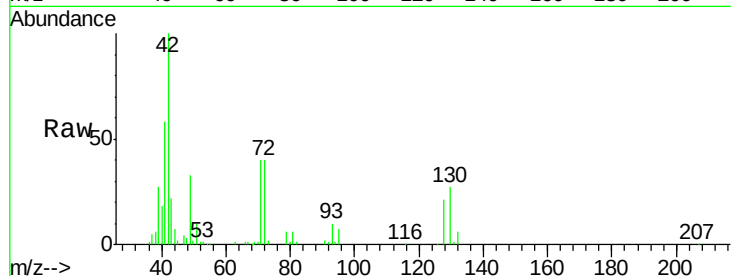
#29
Tetrahydrofuran
Concen: 315.464 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.8	35.0	52.4
71	39.0	32.9	49.3

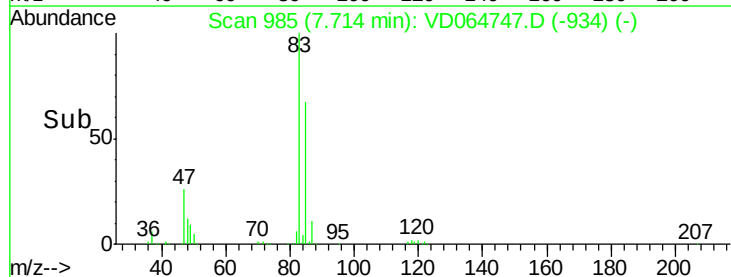
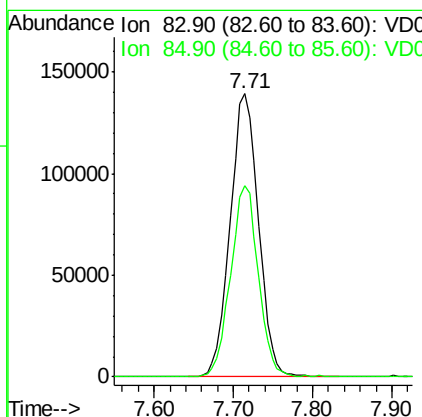
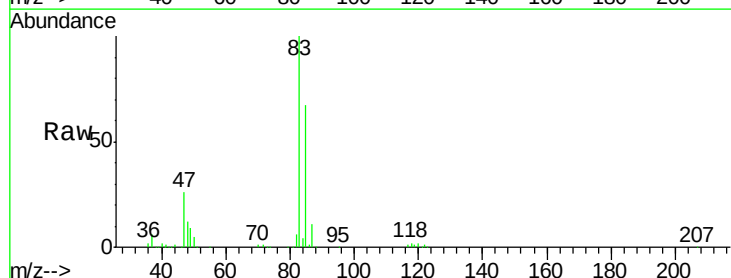
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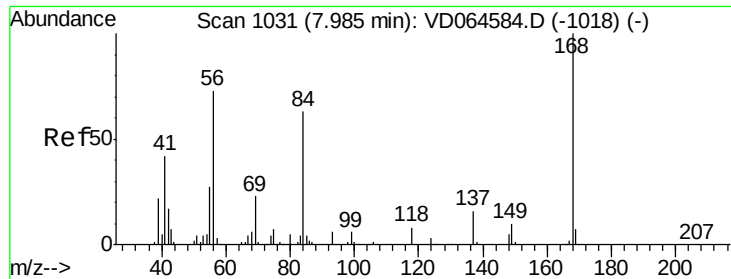
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#30
Chloroform
Concen: 57.674 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.1	76.7





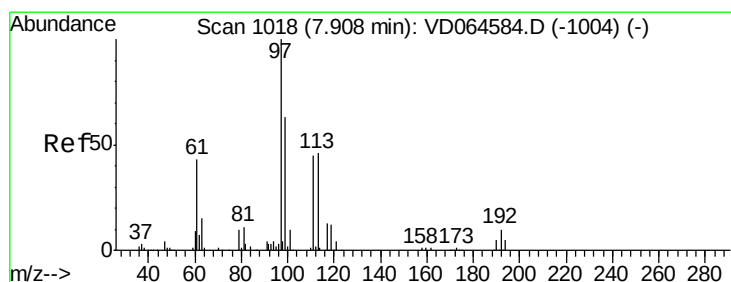
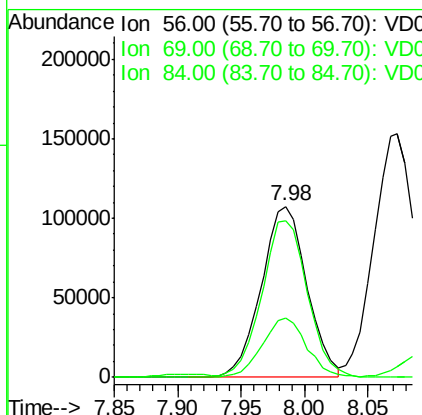
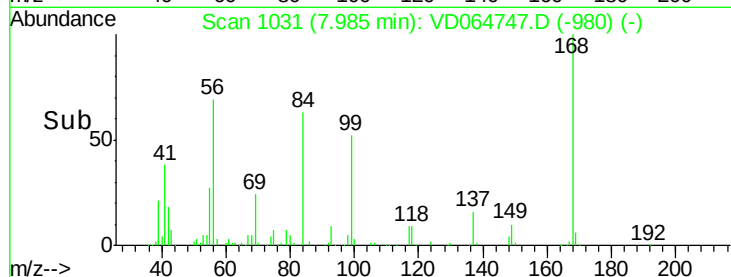
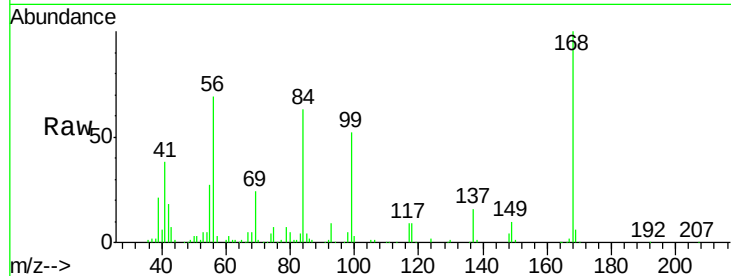
#31
Cyclohexane
Concen: 47.120 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.5	24.7	37.1
84	89.6	69.4	104.2

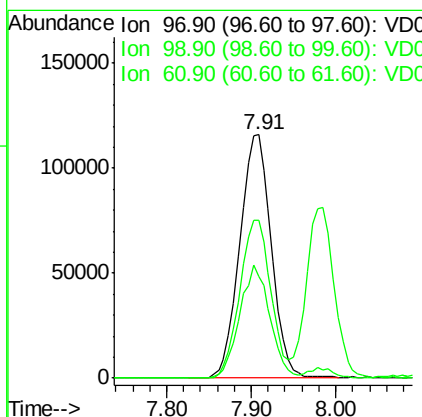
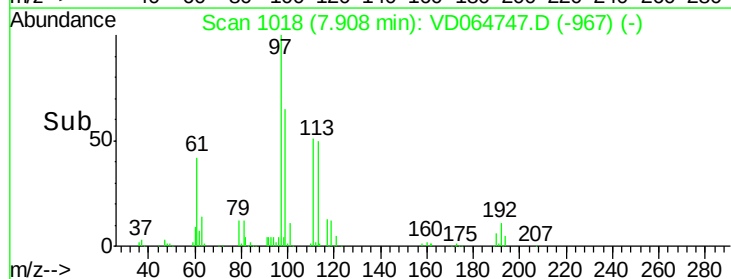
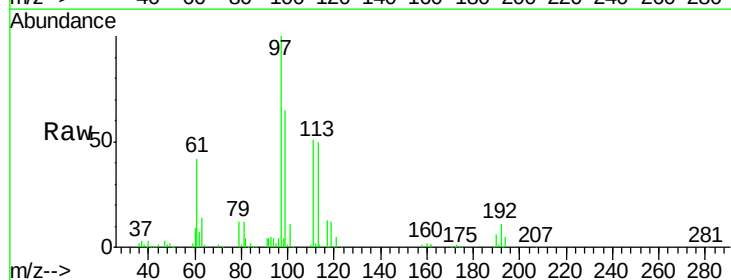
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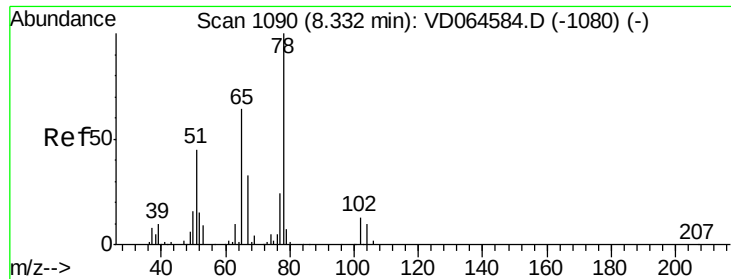
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#32
1,1,1-Trichloroethane
Concen: 53.438 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.0	76.6
61	44.4	35.4	53.0





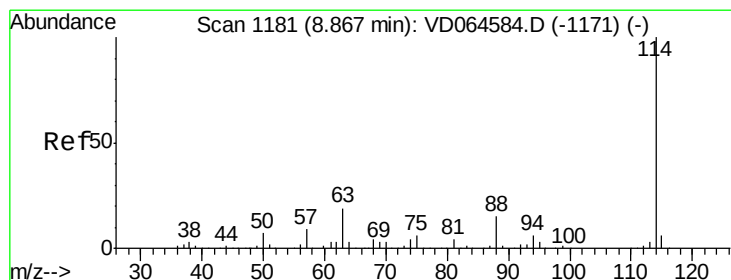
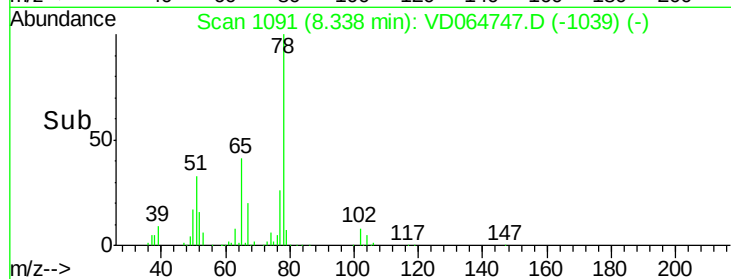
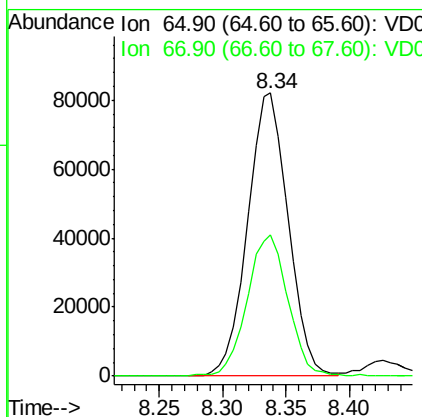
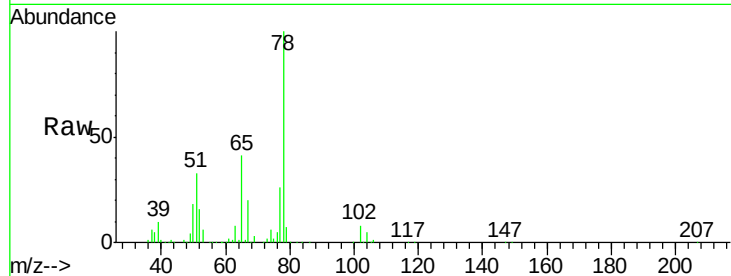
#33
 1,2-Dichloroethane-d4
 Concen: 59.793 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	183040		
67	50.2	0.0	106.2	

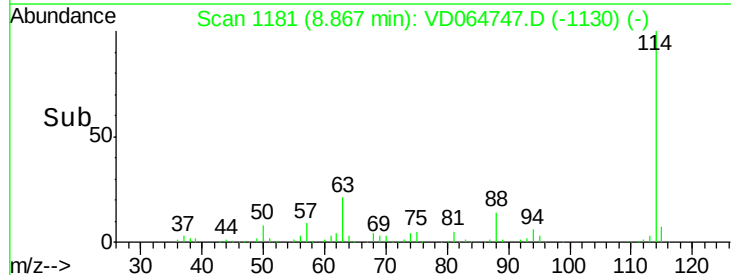
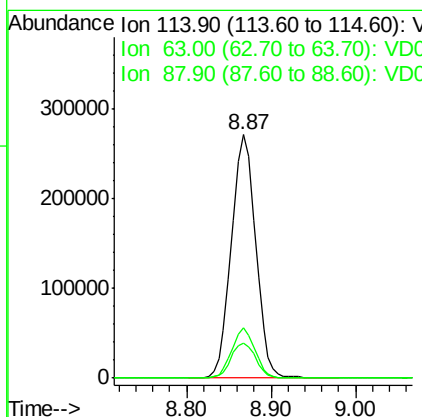
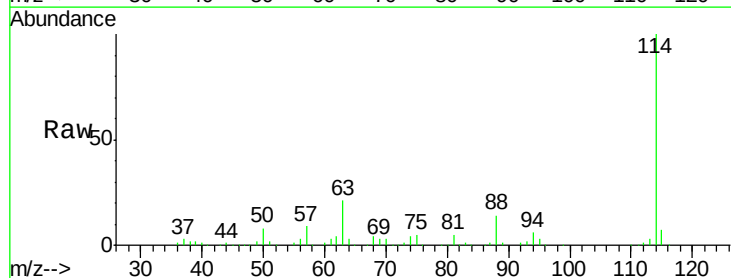
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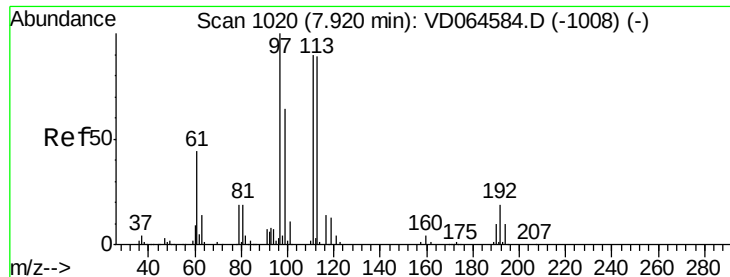
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	538681		
63	20.6	0.0	38.0	
88	14.3	0.0	29.2	





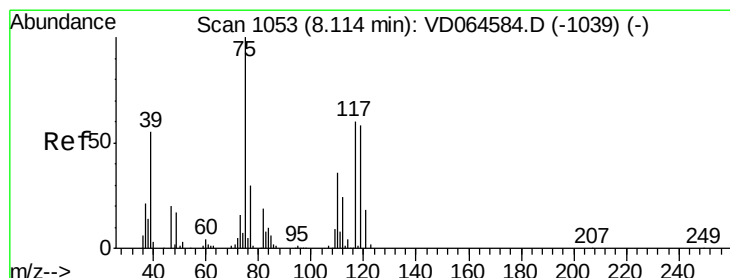
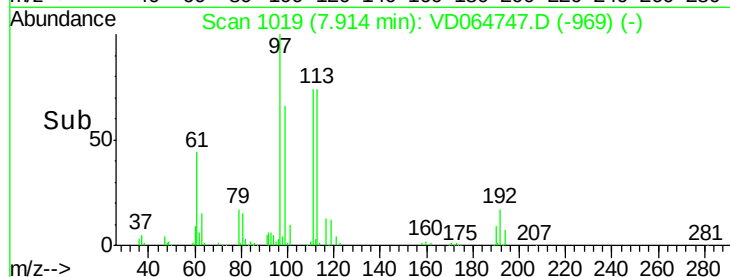
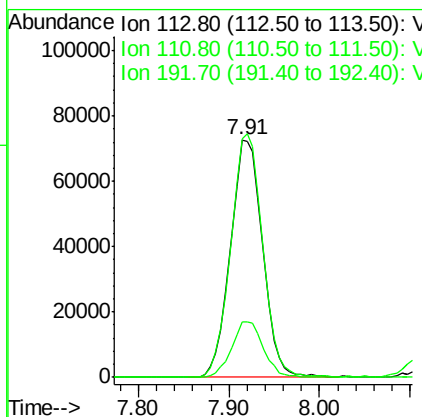
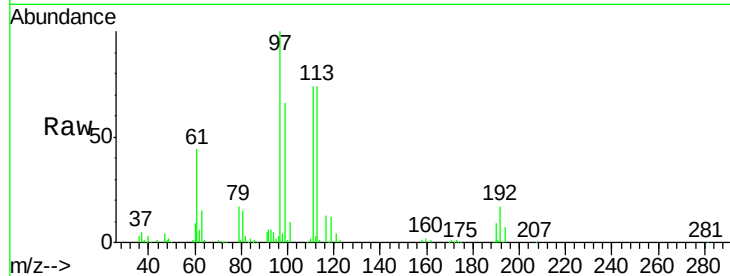
#35
 Dibromofluoromethane
 Concen: 54.231 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	179227		
111	101.6	80.6	121.0	
192	23.0	17.9	26.9	

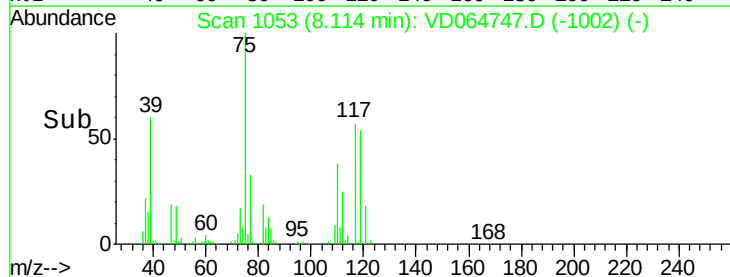
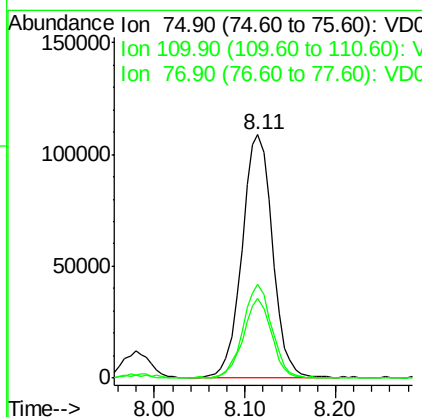
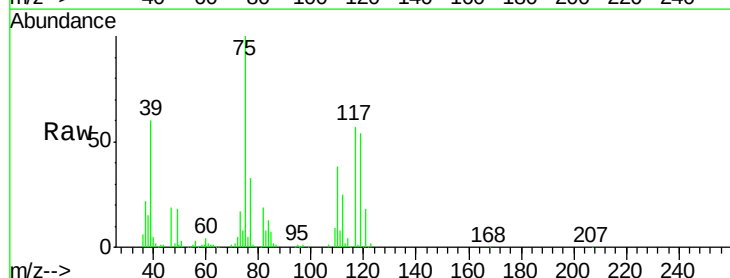
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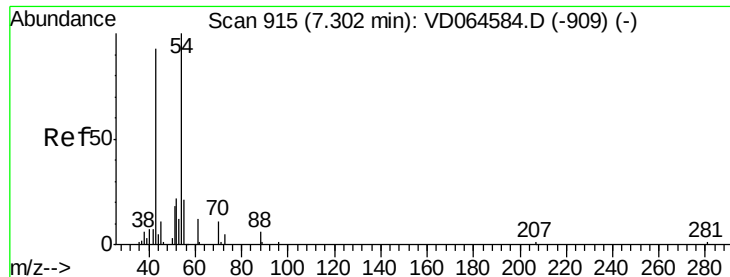
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#36
 1,1-Dichloropropene
 Concen: 48.681 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	252403		
110	36.5	18.1	54.1	
77	30.9	24.2	36.4	





#37

Ethyl Acetate

Concen: 56.865 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

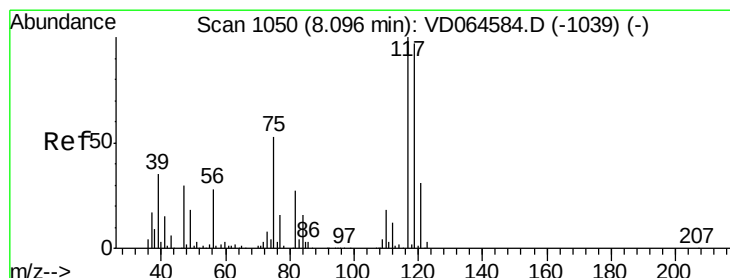
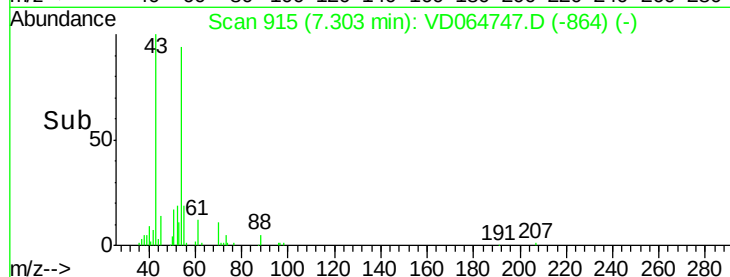
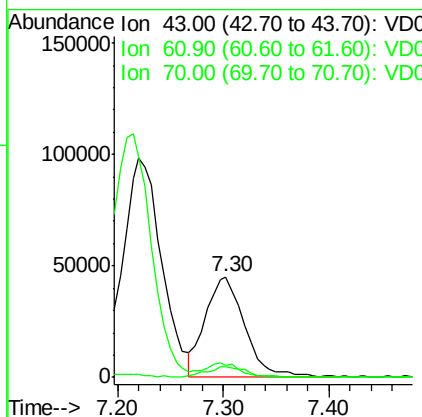
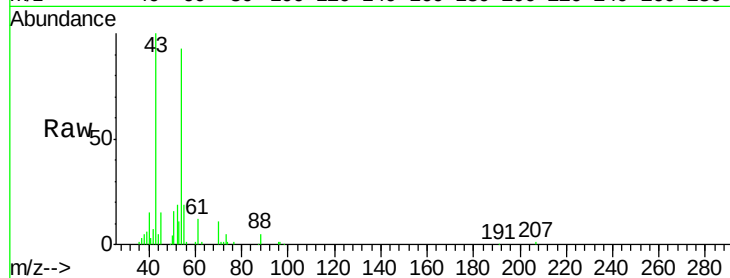
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	115825
Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.3	15.5
70	10.1	7.6	11.4

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#38

Carbon Tetrachloride

Concen: 50.363 ug/l

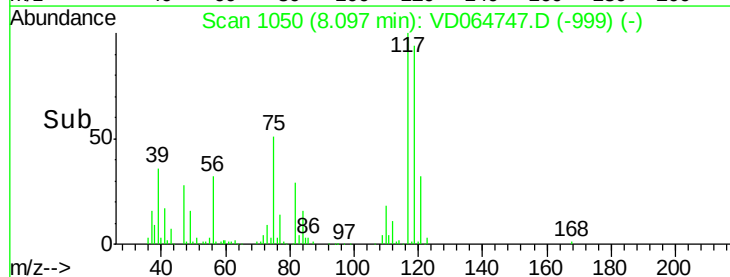
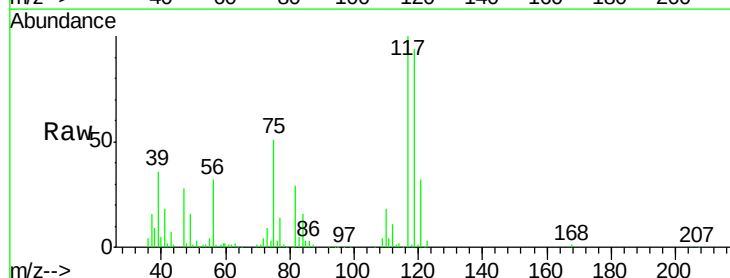
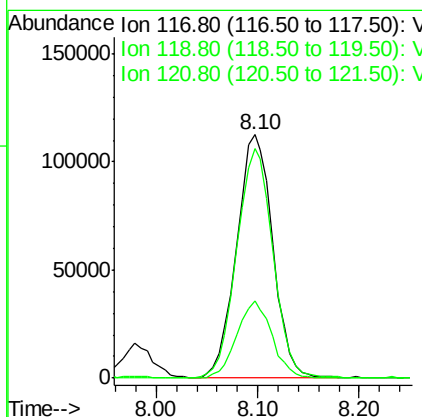
RT: 8.10 min Scan# 1050

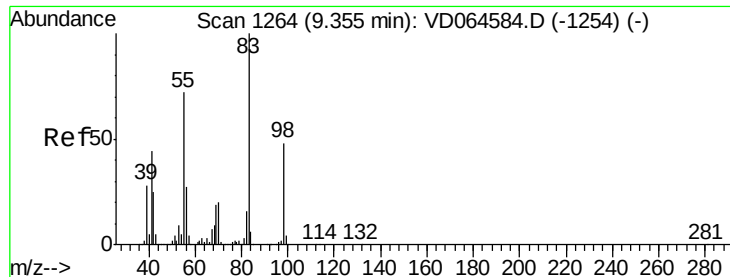
Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion:	117	Resp:	278433
Ion	Ratio	Lower	Upper
117	100		
119	94.4	77.3	115.9
121	31.7	25.0	37.6





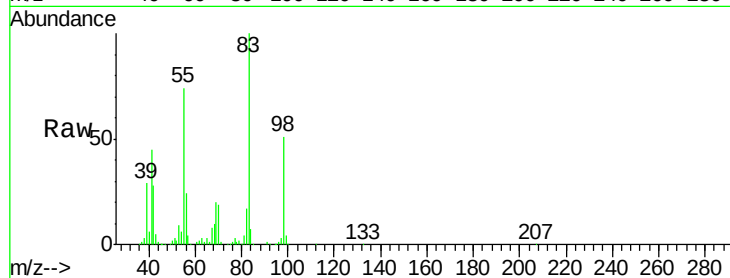
#39
Methylcyclohexane
Concen: 46.871 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

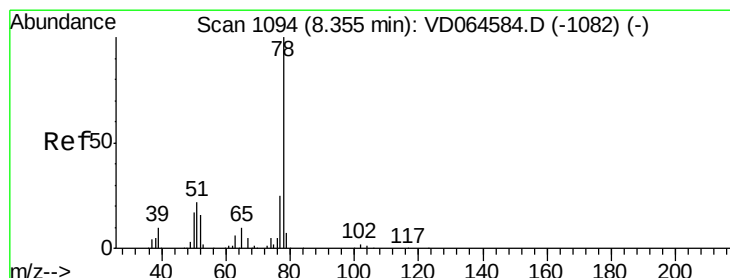
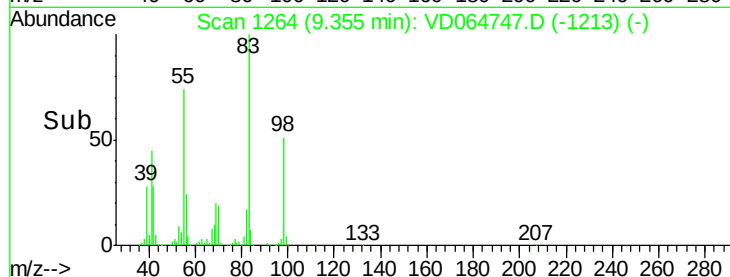
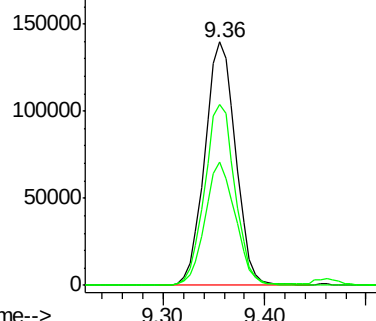
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	294335		
55	74.2		57.8	86.6
98	50.6		38.7	58.1

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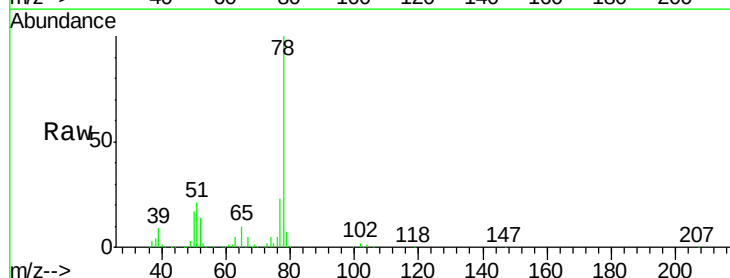


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

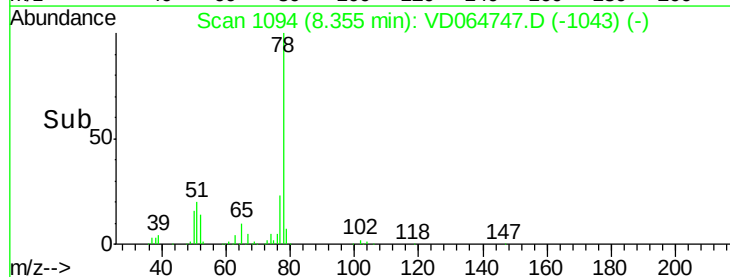
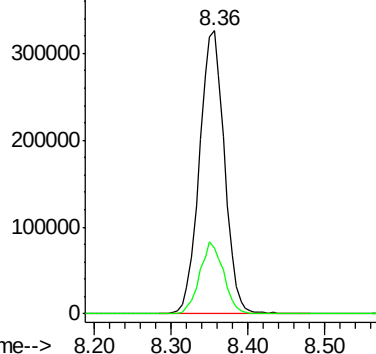


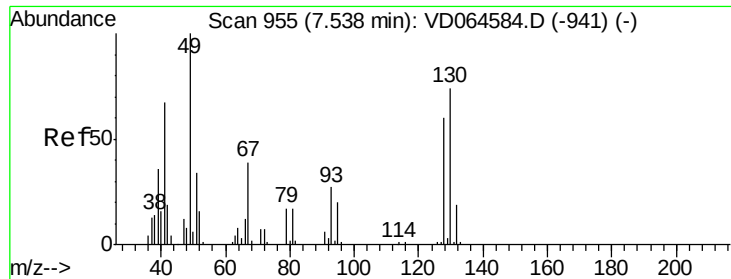
#40
Benzene
Concen: 52.358 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	741065		
77	23.3		19.9	29.9



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





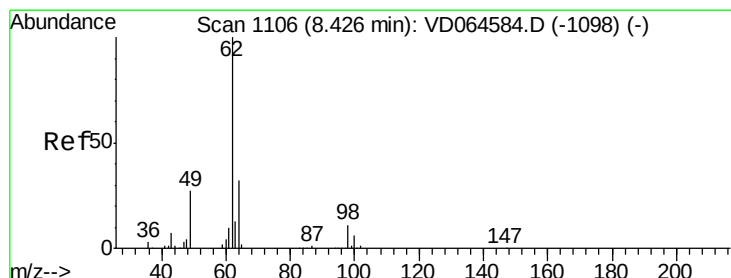
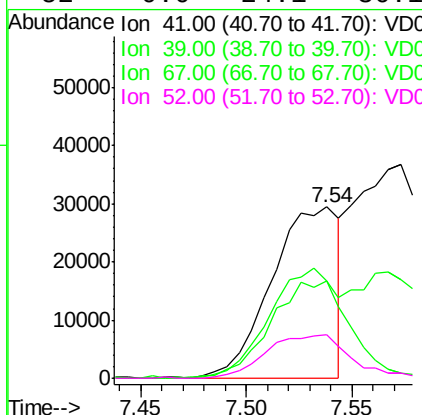
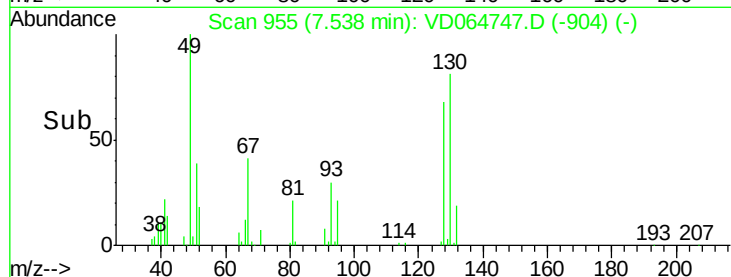
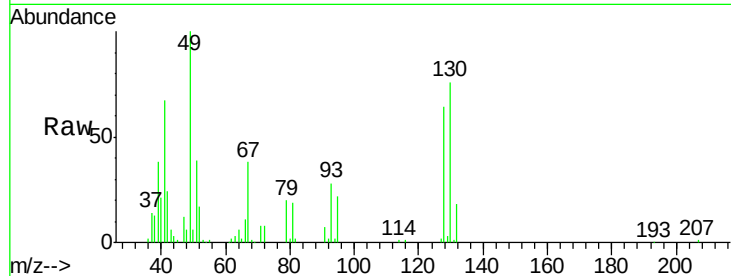
#41
Methacrylonitrile
Concen: 56.057 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.7	70.1#
67	0.0	52.5	78.7#
52	0.0	24.1	36.1#

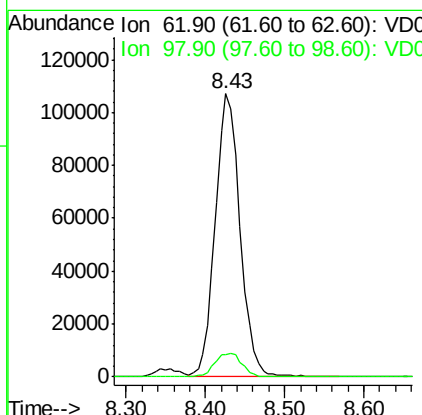
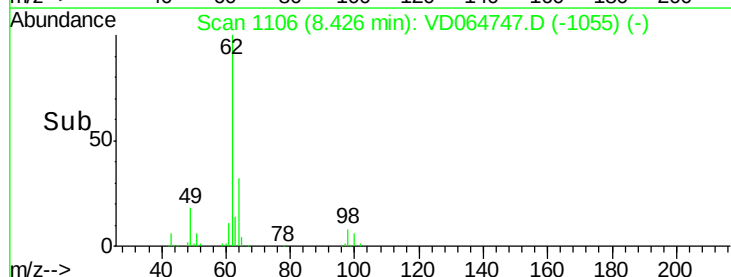
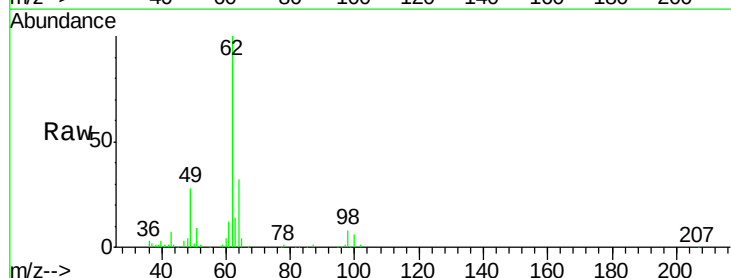
Manual Integrations
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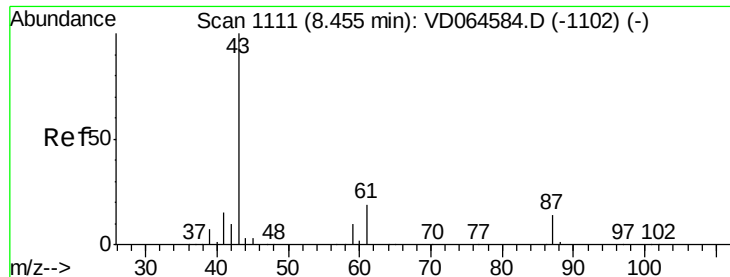
apatel
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#42
1,2-Dichloroethane
Concen: 56.754 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	20.0





#43

Isopropyl Acetate

Concen: 56.648 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

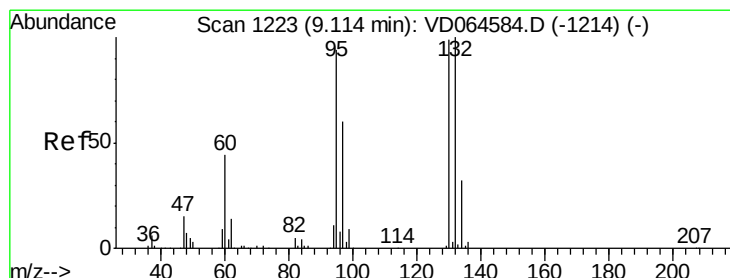
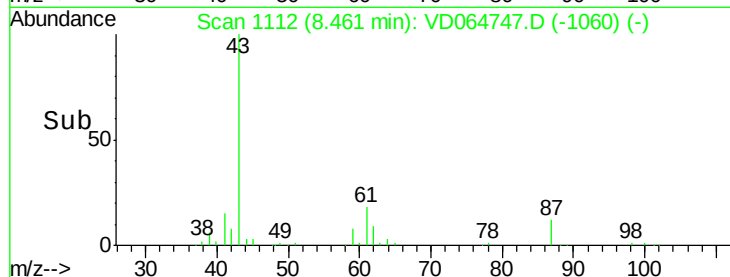
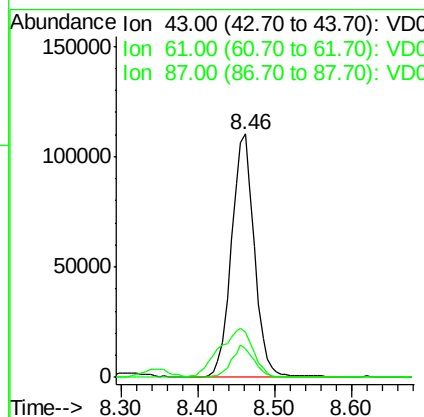
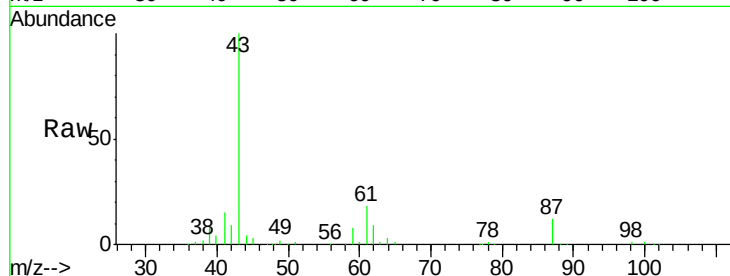
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	43	Resp:	229660
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: 50.848 ug/l

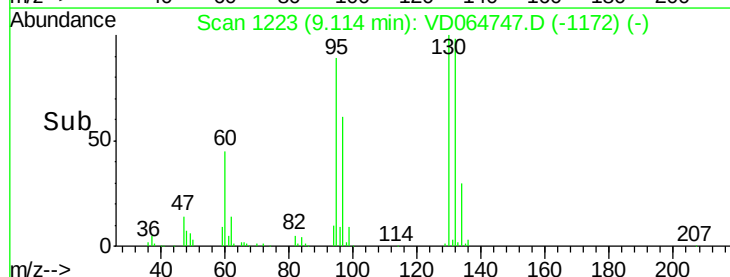
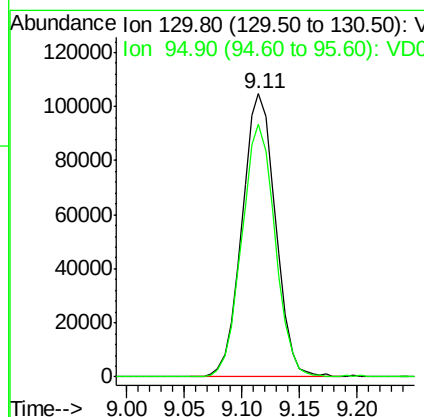
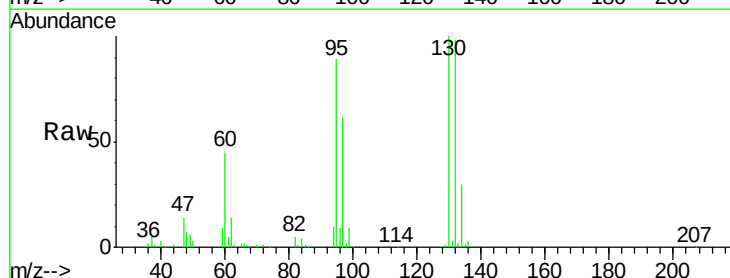
RT: 9.11 min Scan# 1223

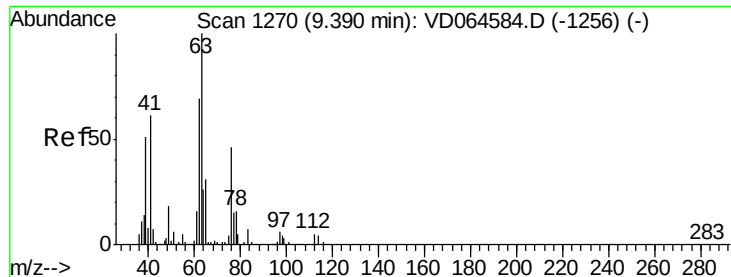
Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion:	130	Resp:	211426
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	190.2





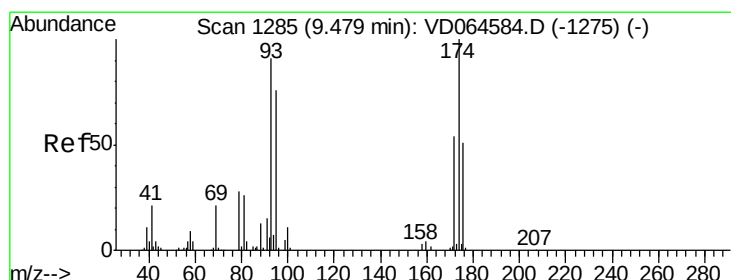
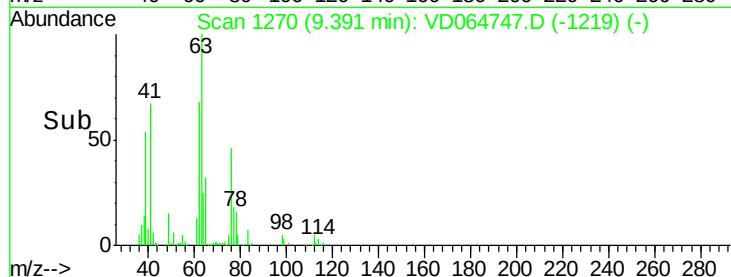
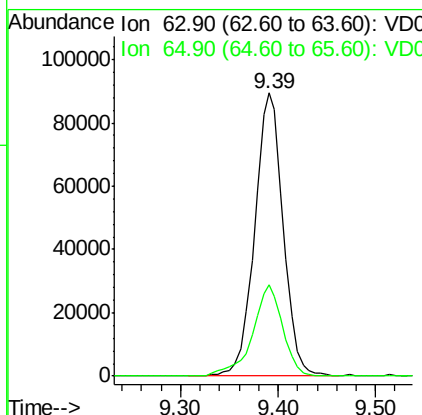
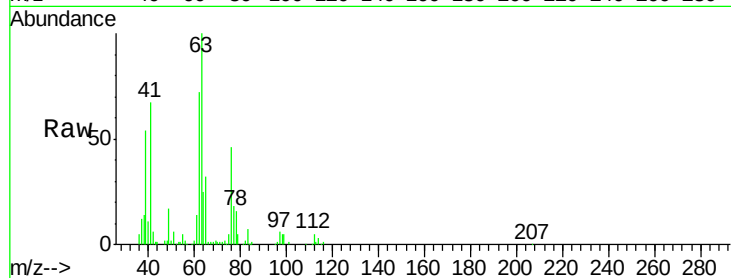
#45
 1,2-Dichloropropane
 Concen: 54.164 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 183042
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.2 37.8

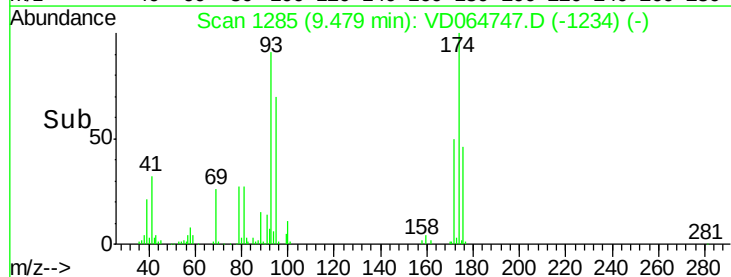
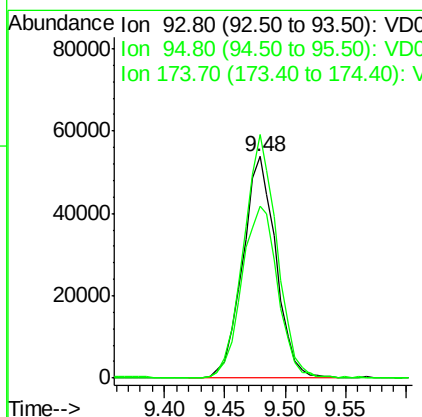
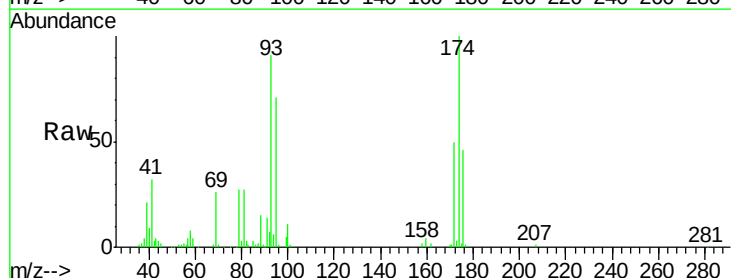
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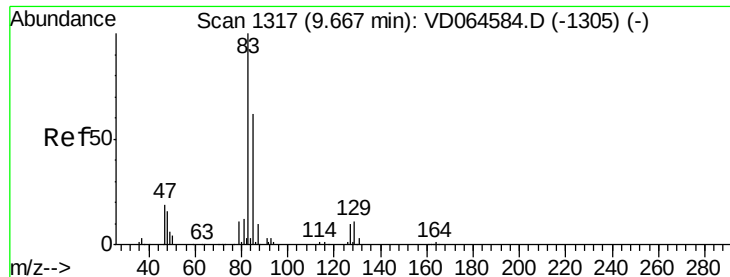
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#46
 Dibromomethane
 Concen: 54.652 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 93 Resp: 102972
 Ion Ratio Lower Upper
 93 100
 95 84.1 64.6 97.0
 174 110.7 88.1 132.1





#47

Bromodichloromethane

Concen: 53.872 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

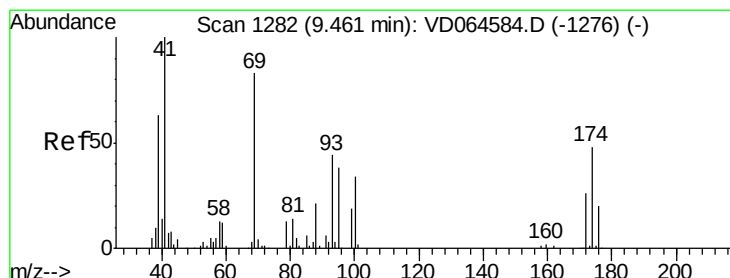
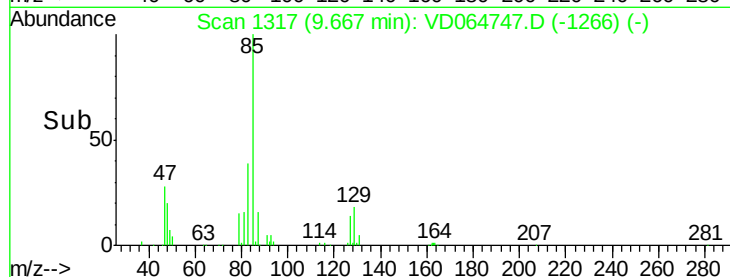
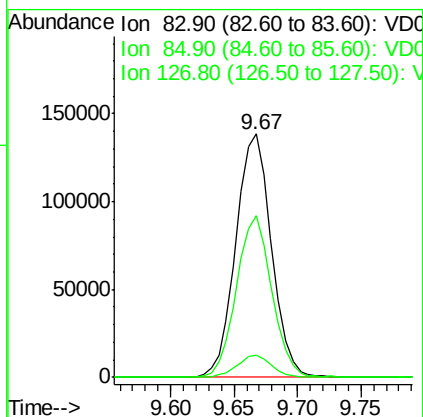
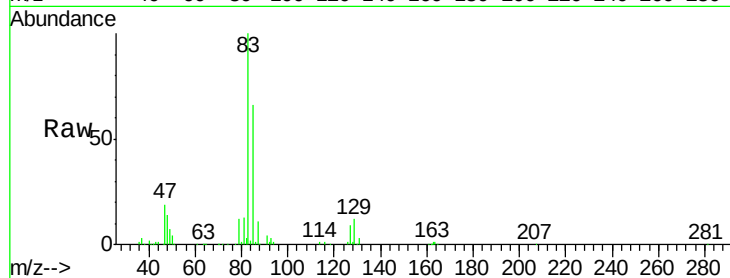
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	270095
Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.5	74.3
127	9.1	7.8	11.6

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#48

Methyl methacrylate

Concen: 55.043 ug/l

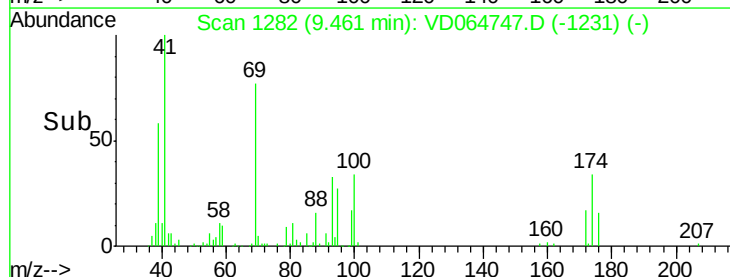
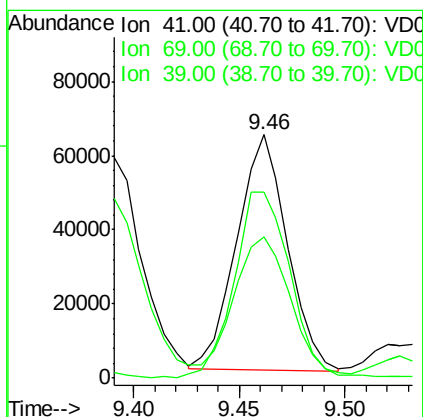
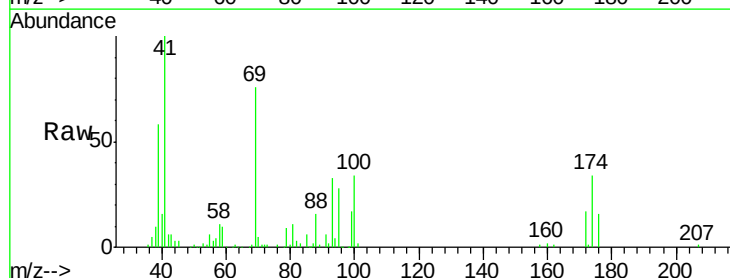
RT: 9.46 min Scan# 1282

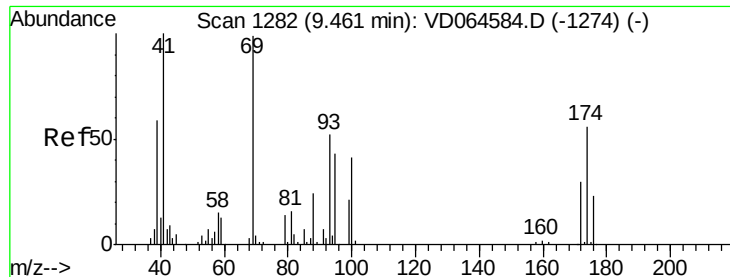
Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion:	41	Resp:	105074
Ion	Ratio	Lower	Upper
41	100		
69	88.7	63.0	94.6
39	68.3	47.4	71.2





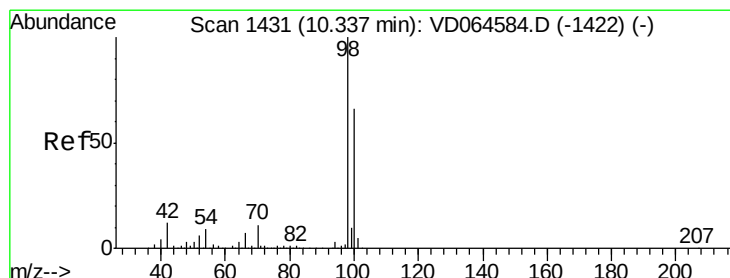
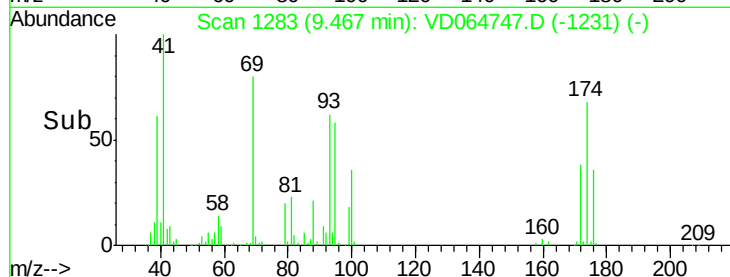
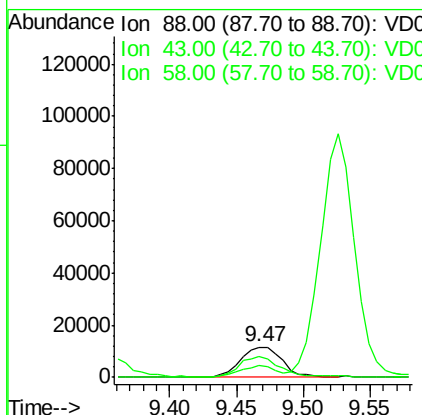
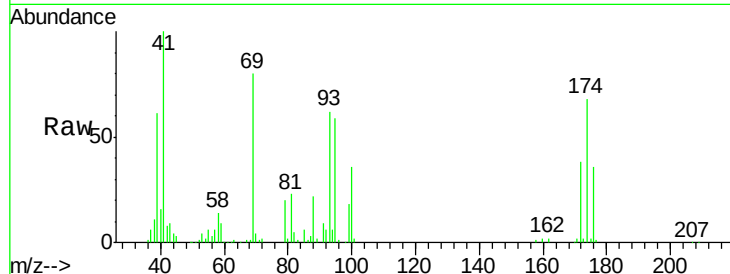
#49
1,4-Dioxane
Concen: 1161.492 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	35.2	27.7	41.5
58	69.3	53.8	80.6

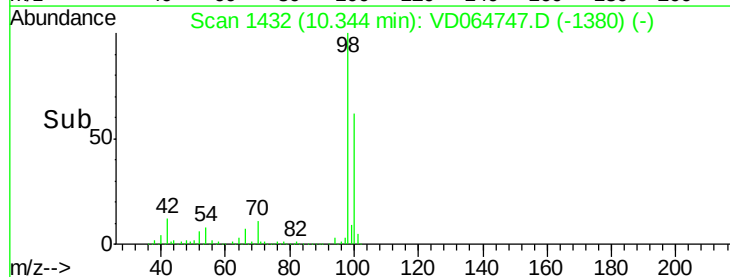
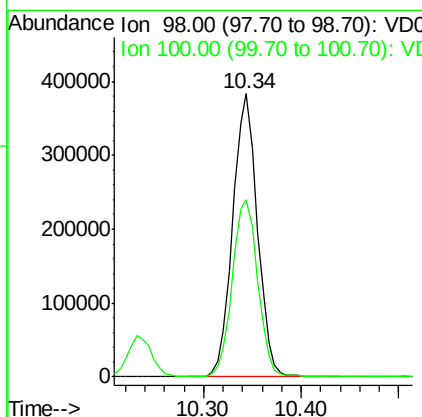
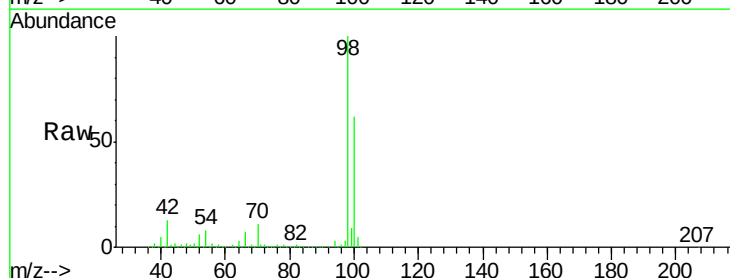
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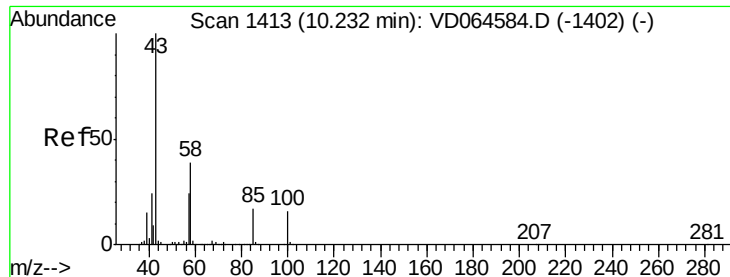
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#50
Toluene-d8
Concen: 53.099 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





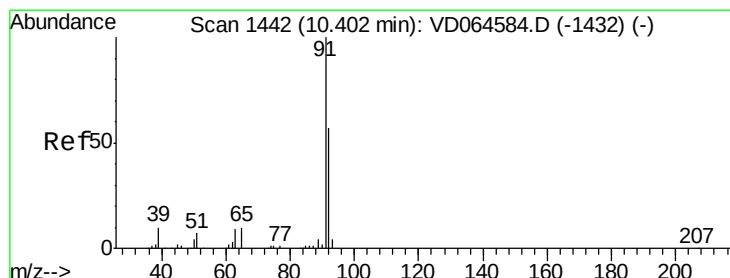
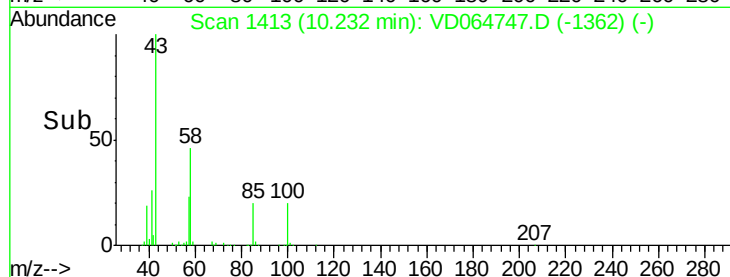
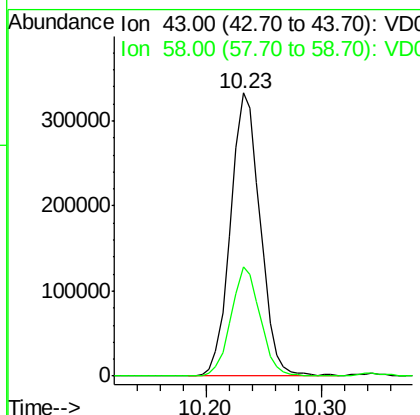
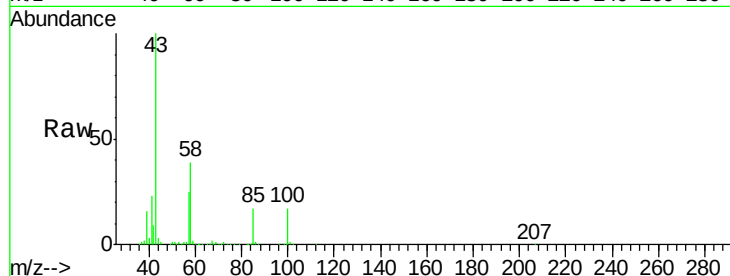
#51
 4-Methyl-2-Pentanone
 Concen: 295.748 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 43 Resp: 592647
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.2

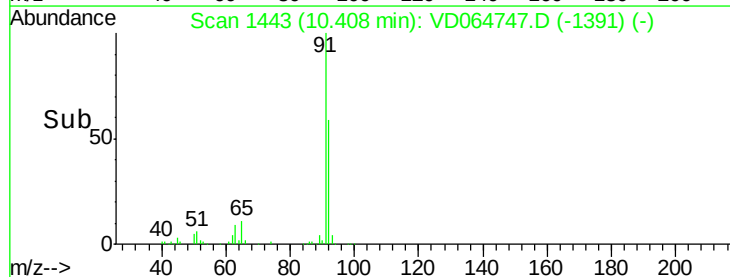
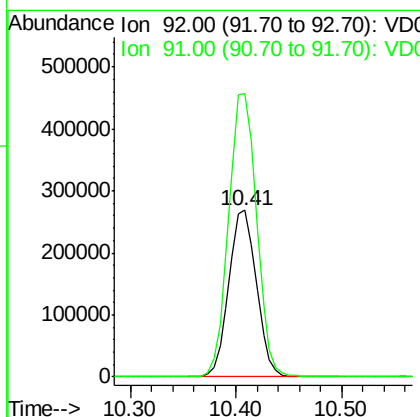
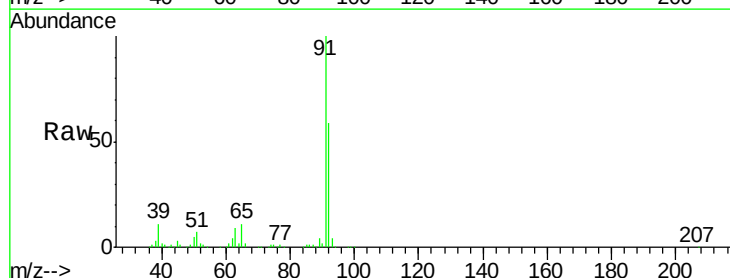
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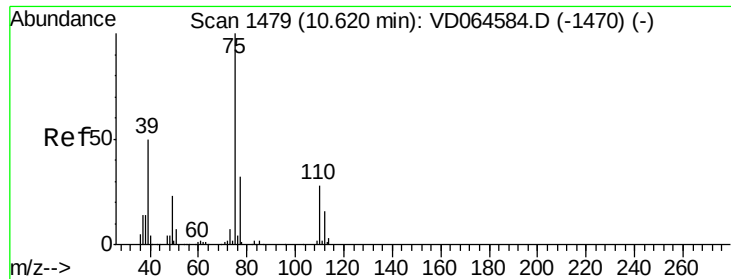
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#52
 Toluene
 Concen: 52.343 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 92 Resp: 486063
 Ion Ratio Lower Upper
 92 100
 91 172.2 138.7 208.1





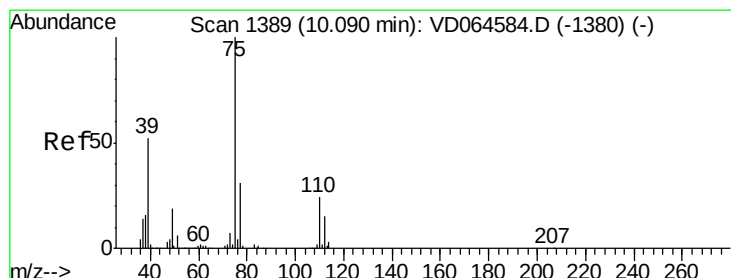
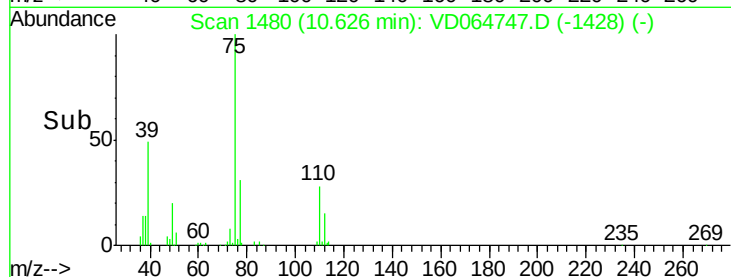
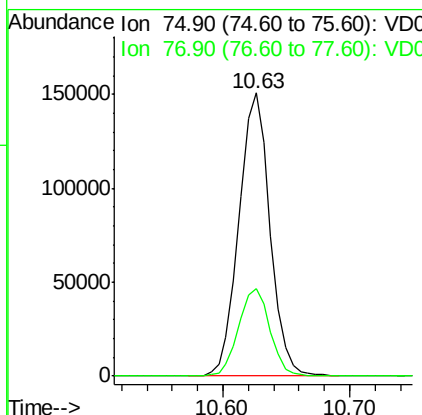
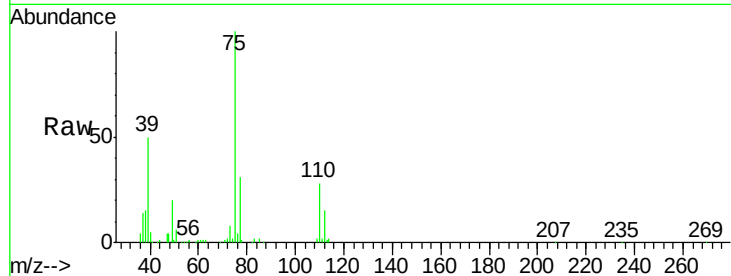
#53
 t-1,3-Dichloropropene
 Concen: 54.842 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 256350
 Ion Ratio Lower Upper
 75 100
 77 30.9 25.4 38.2

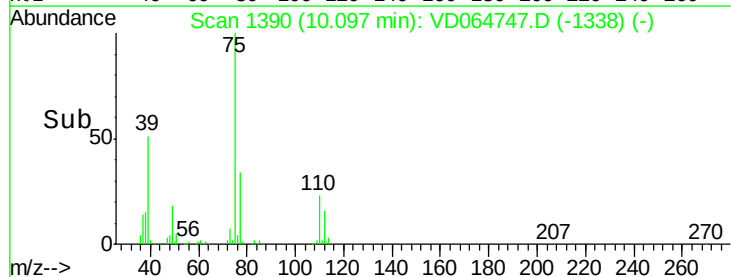
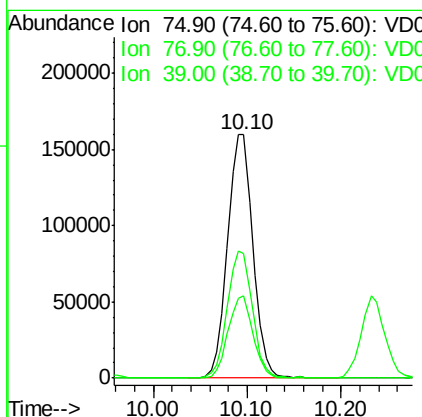
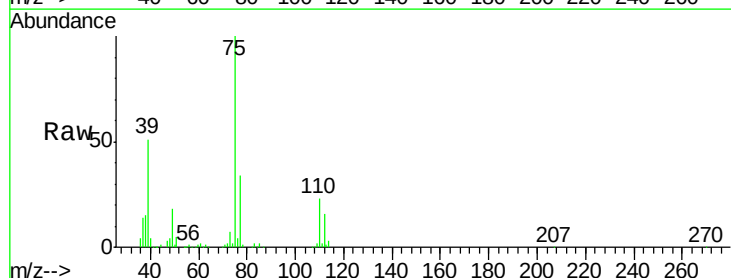
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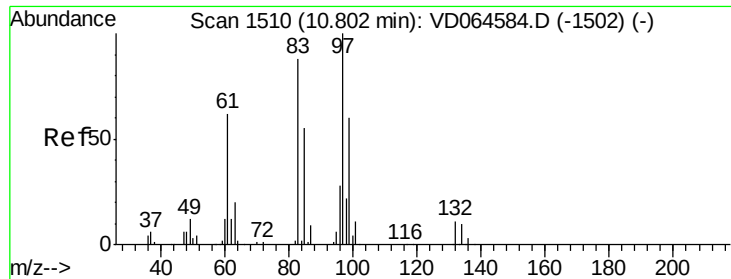
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#54
 cis-1,3-Dichloropropene
 Concen: 54.339 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 75 Resp: 299501
 Ion Ratio Lower Upper
 75 100
 77 34.0 24.6 36.8
 39 50.8 41.4 62.2





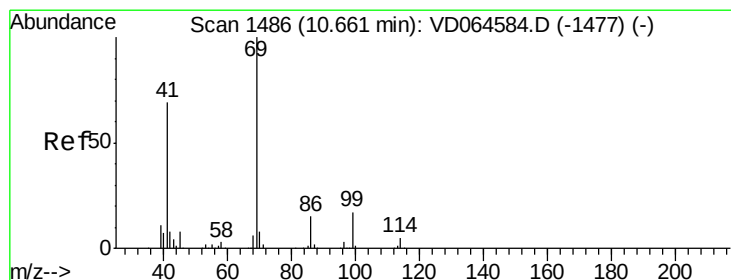
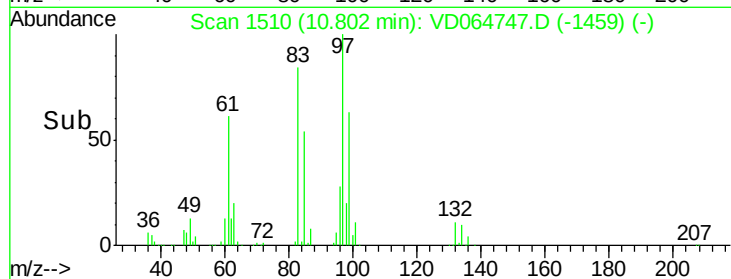
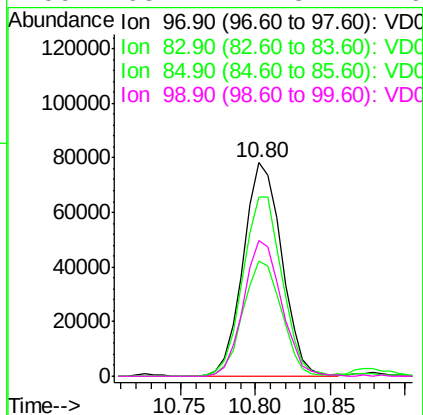
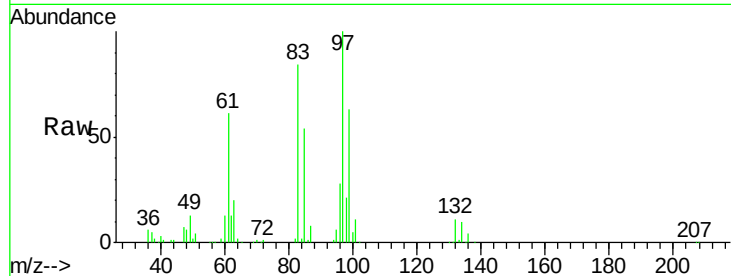
#55
 1,1,2-Trichloroethane
 Concen: 55.314 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	140453		
83	83.7	70.2	105.4	
85	53.7	44.0	66.0	
99	63.4	47.8	71.6	

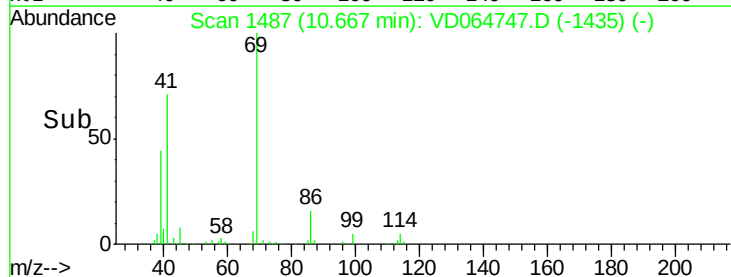
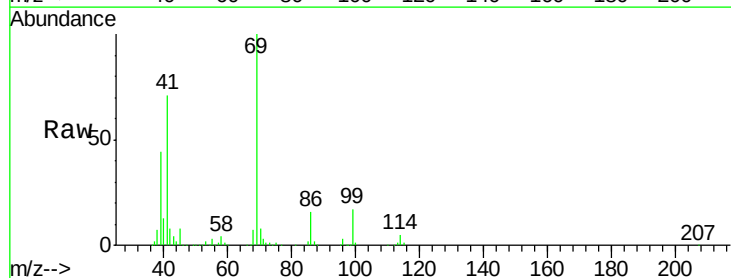
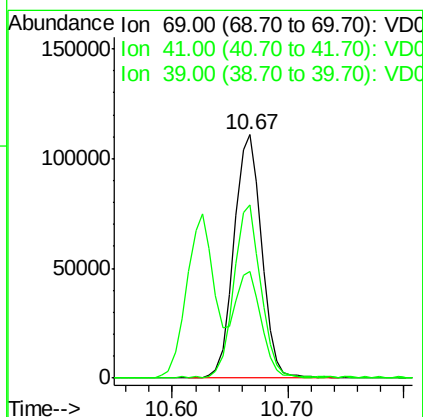
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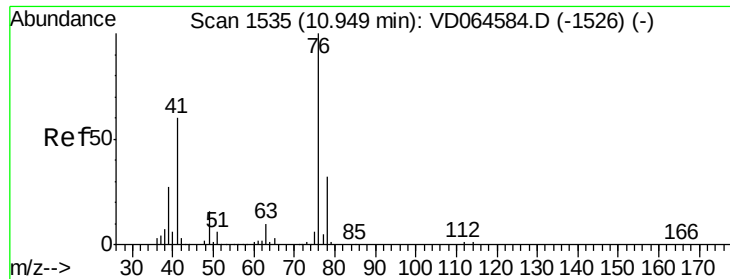
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#56
 Ethyl methacrylate
 Concen: 58.023 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	184001		
41	68.4	55.3	82.9	
39	43.3	33.8	50.8	





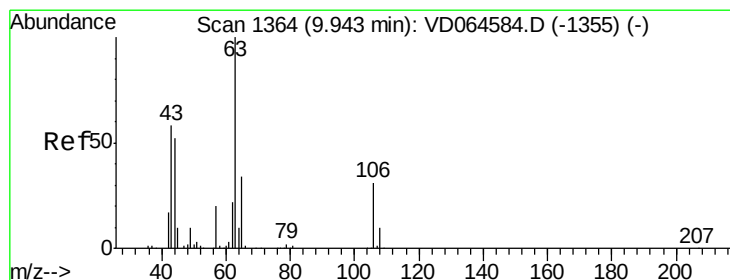
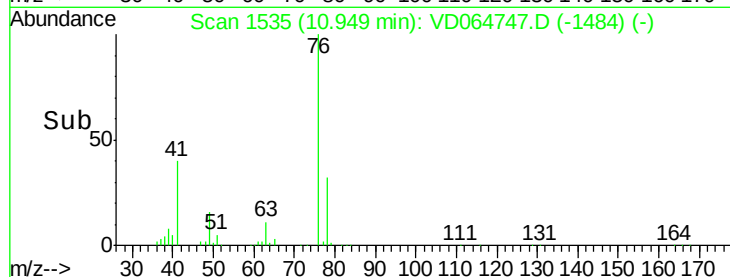
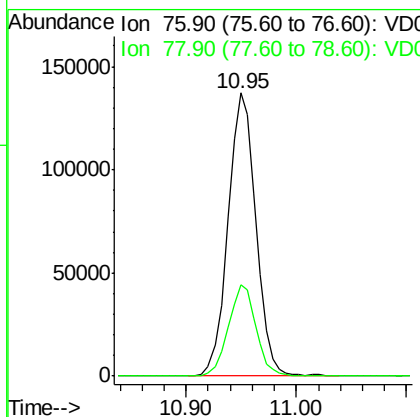
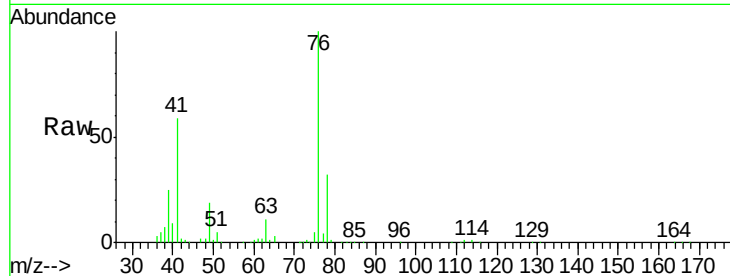
#57
 1,3-Dichloropropane
 Concen: 55.587 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 243029
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

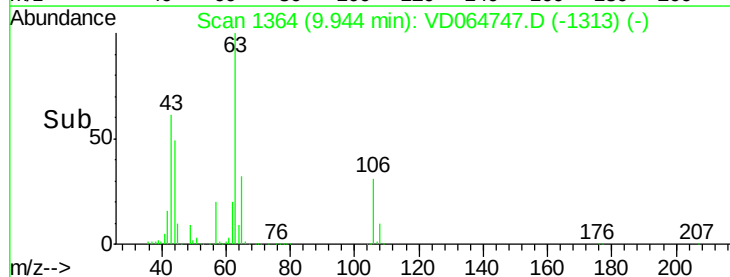
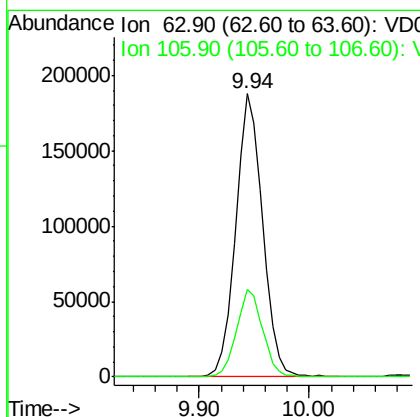
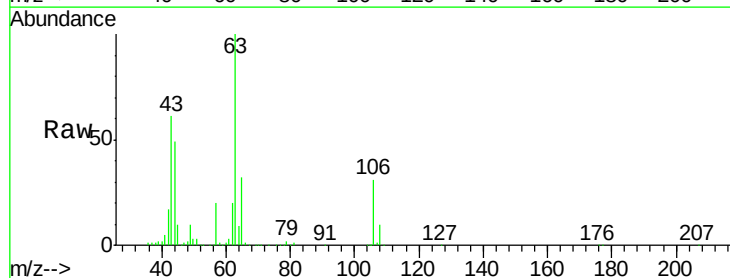
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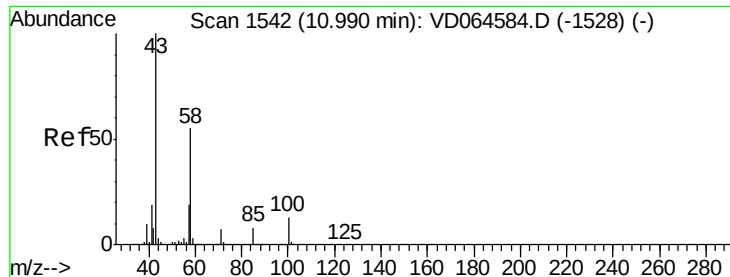
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#58
 2-Chloroethyl Vinyl ether
 Concen: 265.468 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 63 Resp: 320733
 Ion Ratio Lower Upper
 63 100
 106 30.1 23.8 35.8





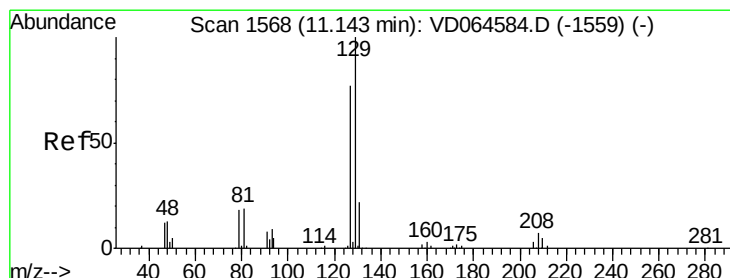
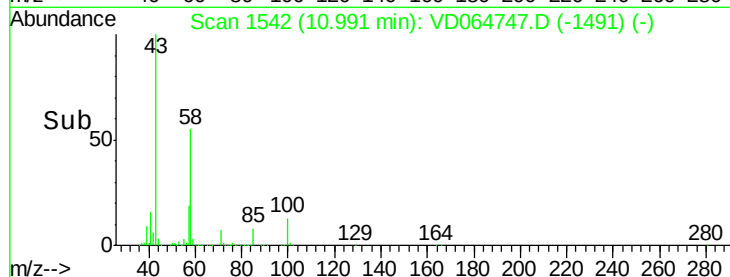
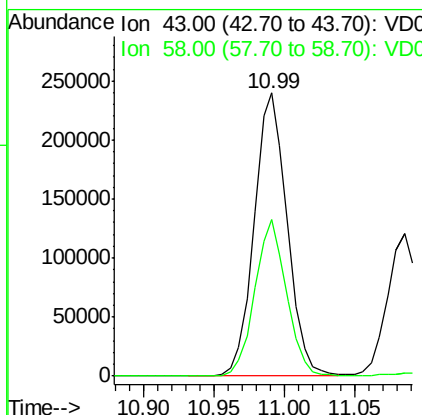
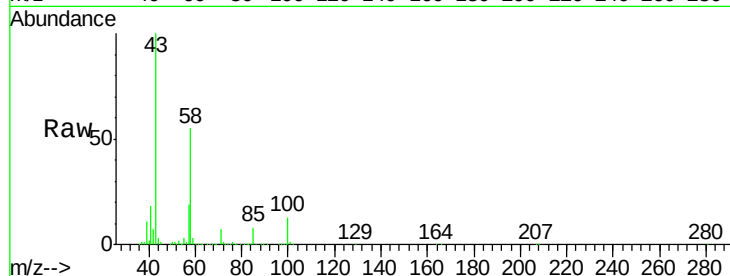
#59
2-Hexanone
Concen: 289.372 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 393570
Ion Ratio Lower Upper
43 100
58 53.2 26.4 79.0

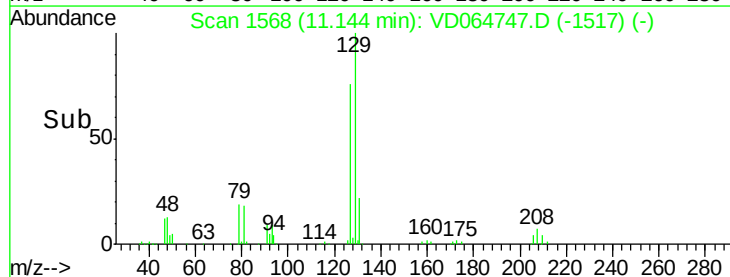
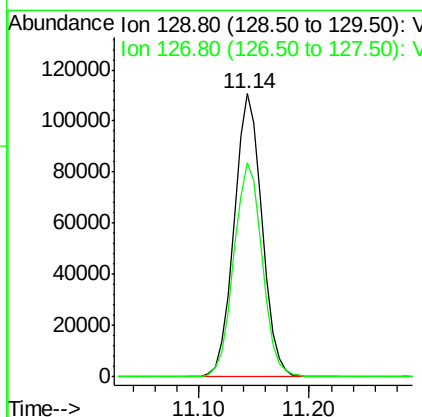
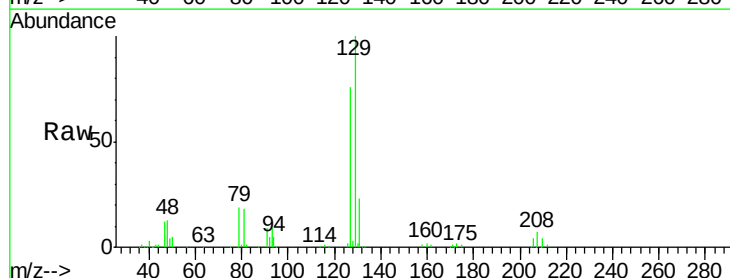
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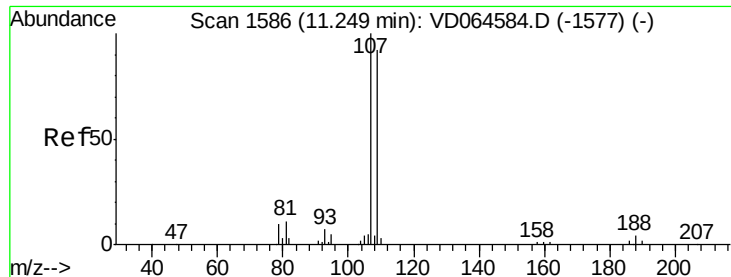
apatel
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#60
Dibromochloromethane
Concen: 55.928 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion: 129 Resp: 196385
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





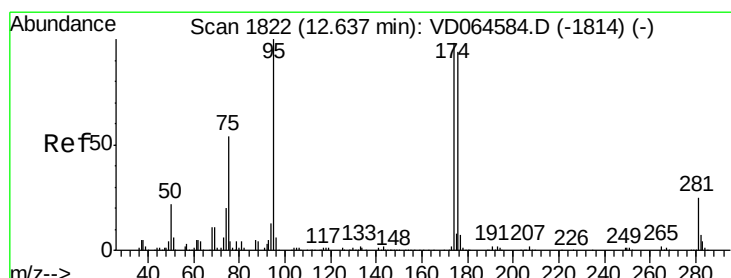
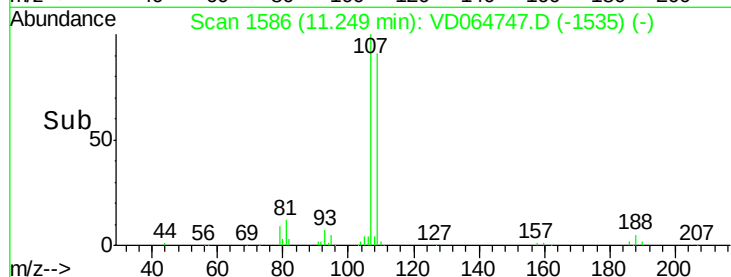
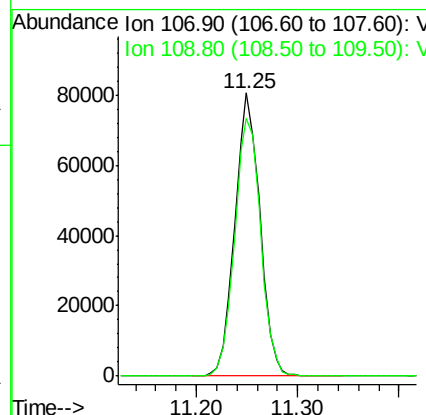
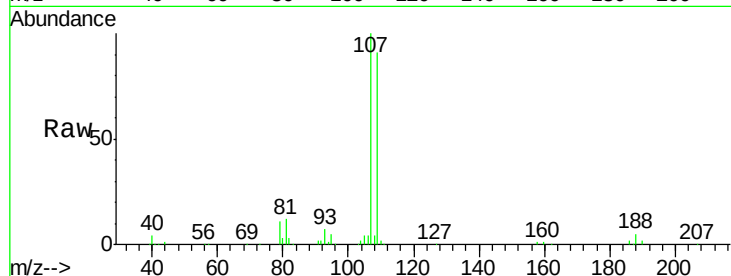
#61
1,2-Dibromoethane
Concen: 55.270 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.6	113.4

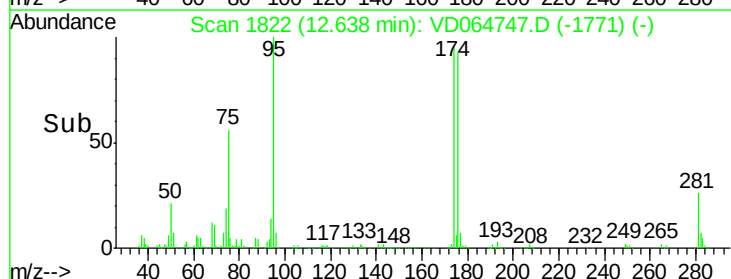
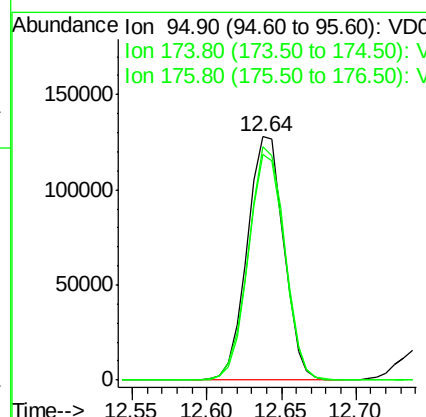
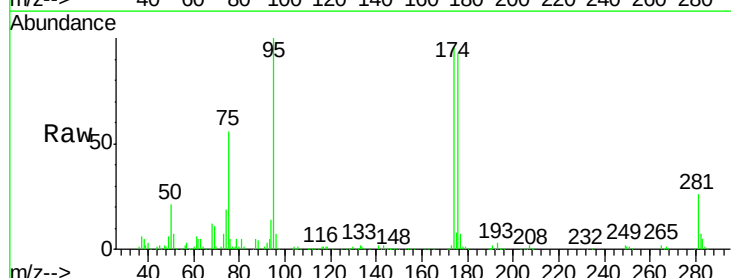
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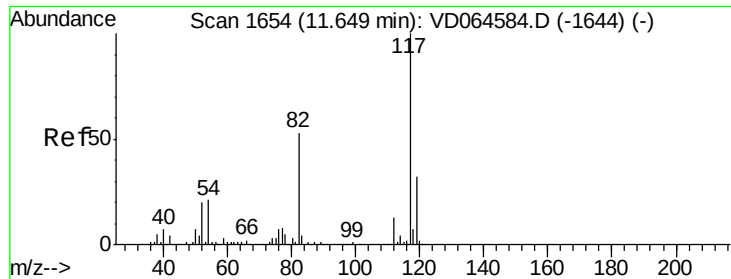
apatel
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#62
4-Bromofluorobenzene
Concen: 54.186 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.5	0.0	193.2
176	92.5	0.0	184.2





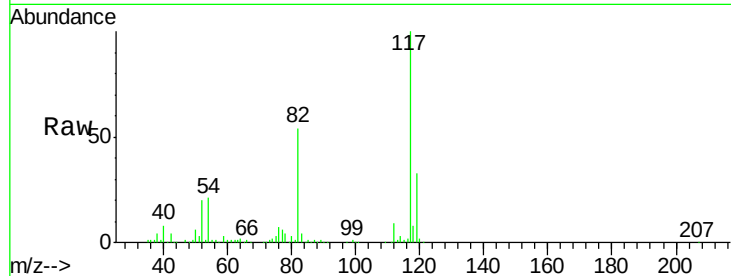
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

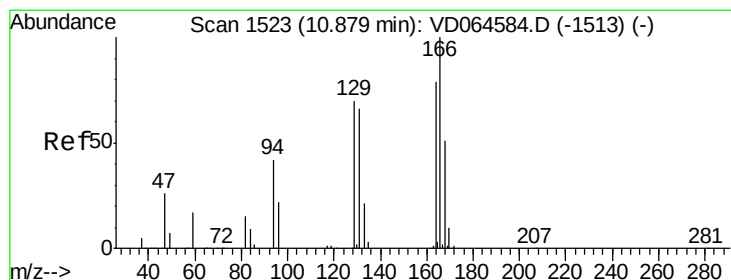
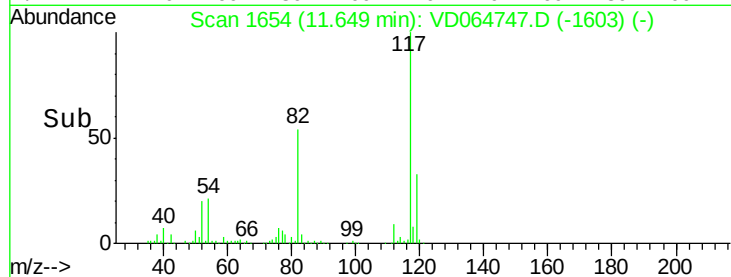
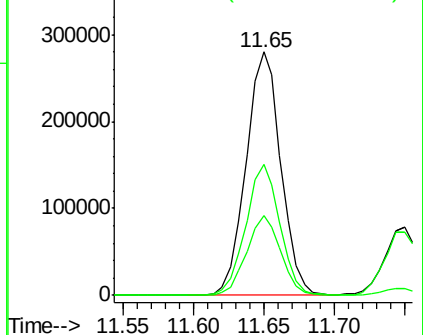
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	483441		
82	53.9	42.2	63.4	
119	32.9	26.0	39.0	

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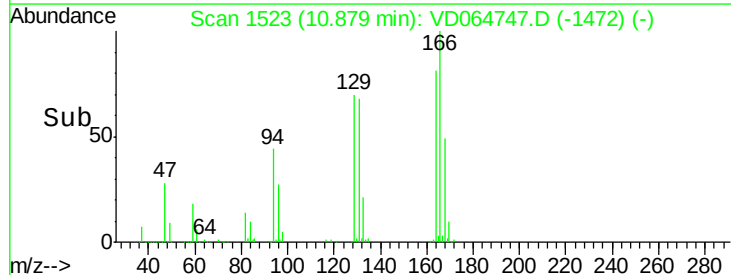
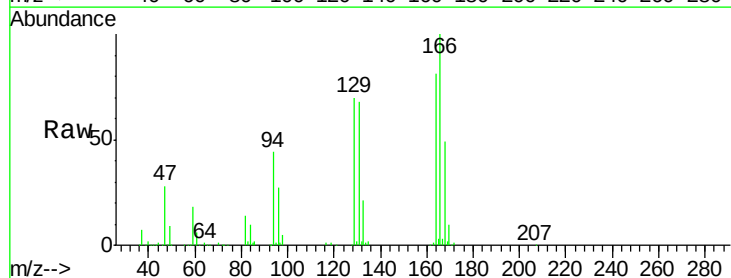
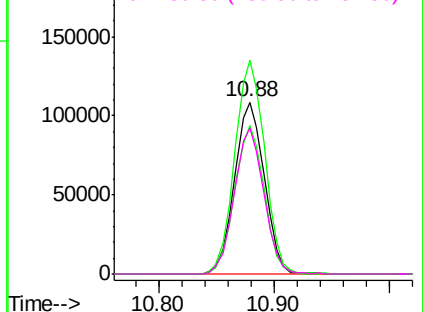
Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

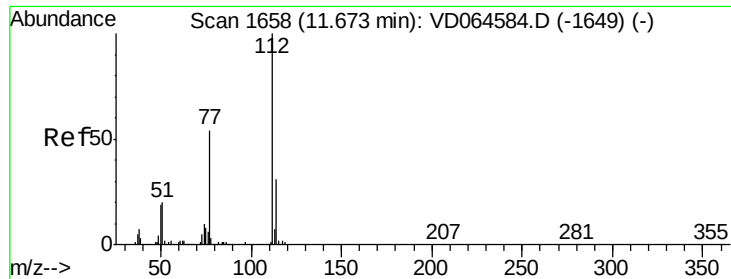


#64
Tetrachloroethene
Concen: 52.322 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	194056		
166	124.2	101.3	151.9	
129	86.5	70.5	105.7	
131	84.9	66.6	99.8	

Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





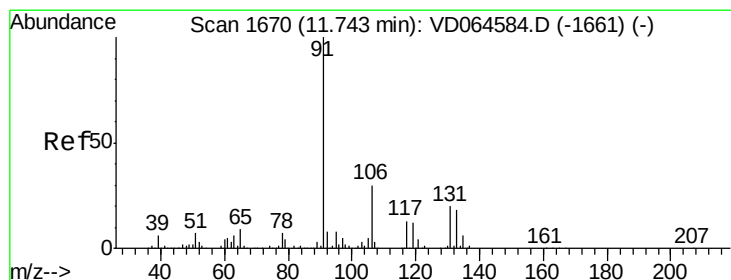
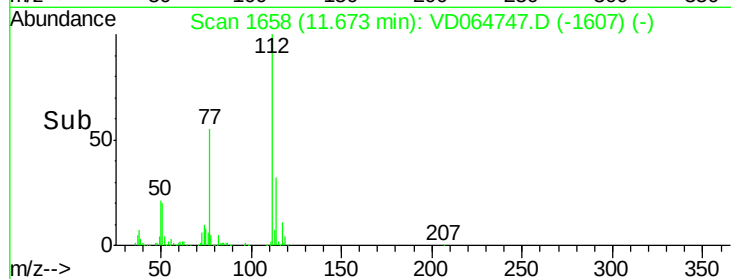
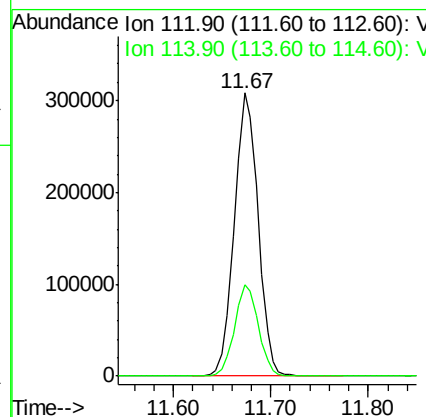
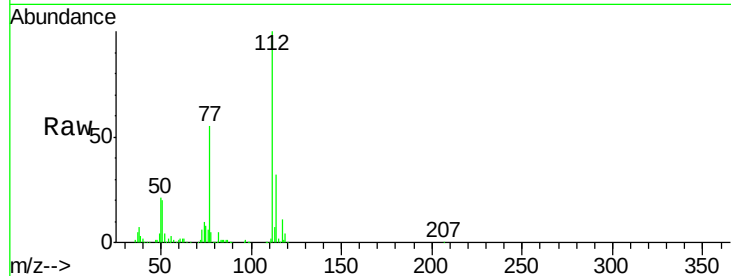
#65
Chlorobenzene
Concen: 51.835 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	24.8	37.2

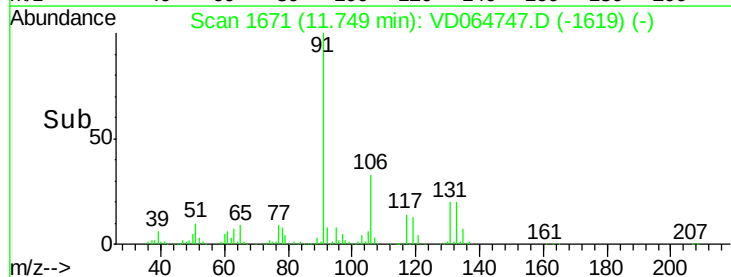
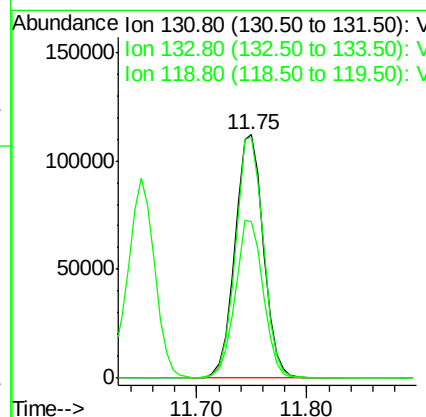
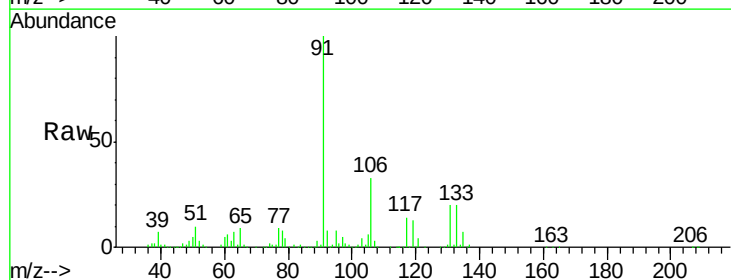
Manual Integrations
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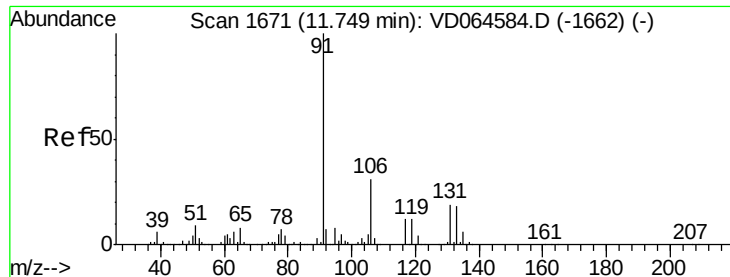
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.564 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.3	144.8
119	64.1	32.1	96.3





#67

Ethyl Benzene

Concen: 50.605 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 921607

Ion Ratio Lower Upper

91 100

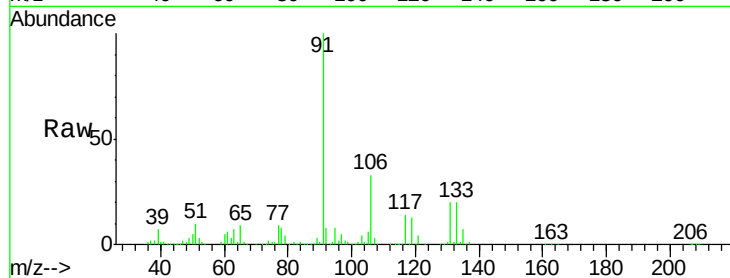
106 32.7 24.6 36.8

Manual Integrations

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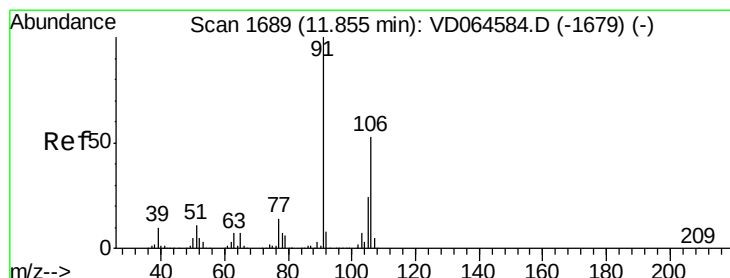
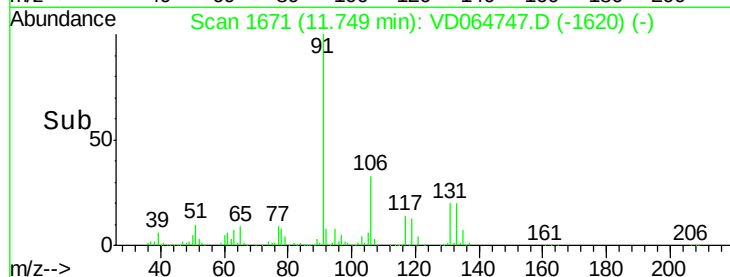
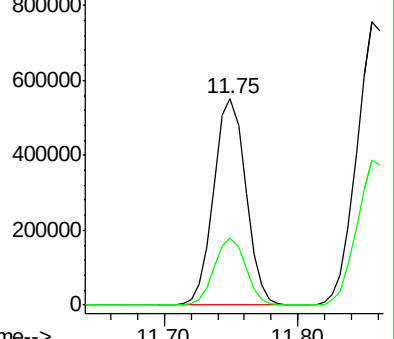
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 102.689 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064747.D

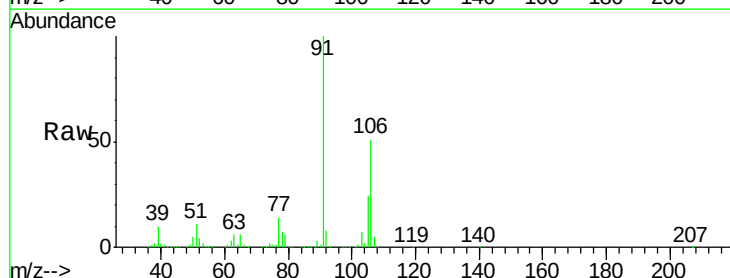
Acq: 03 Jan 2020 21:21

Tgt Ion: 106 Resp: 721841

Ion Ratio Lower Upper

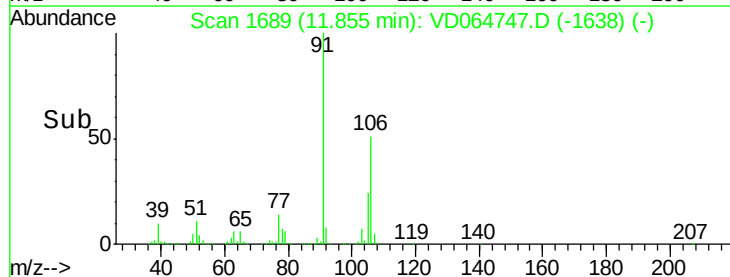
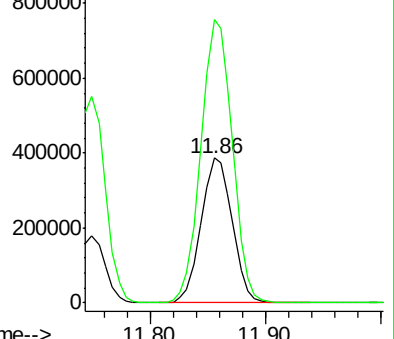
106 100

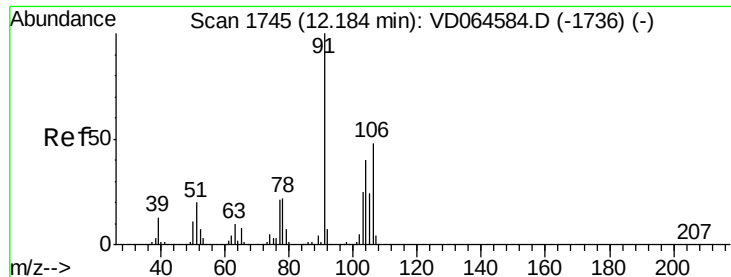
91 197.4 156.3 234.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





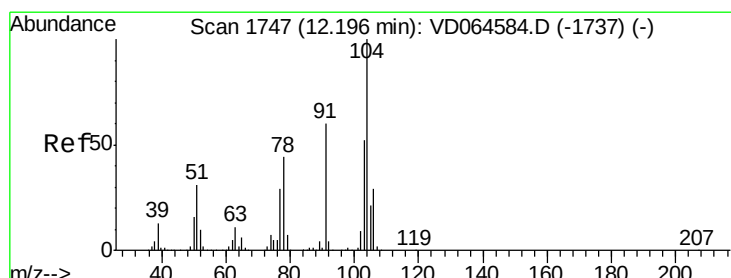
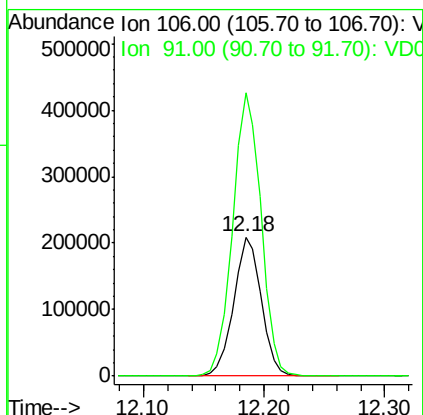
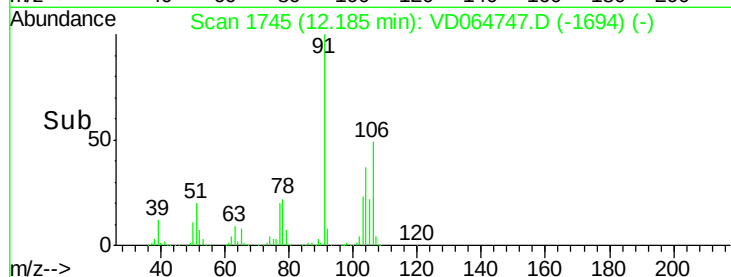
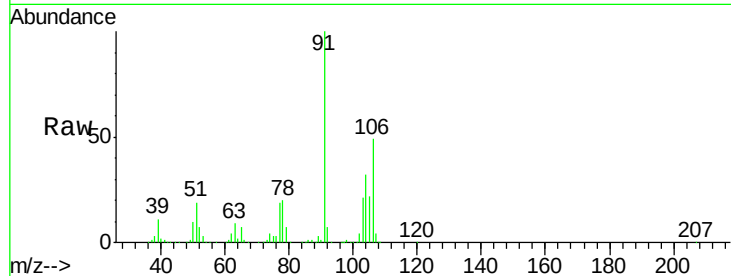
#69
o-Xylene
Concen: 52.262 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 331827
Ion Ratio Lower Upper
106 100
91 209.8 104.8 314.4

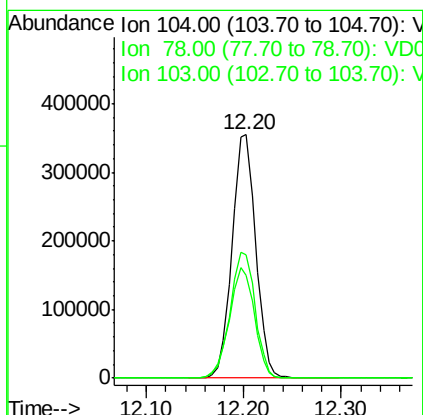
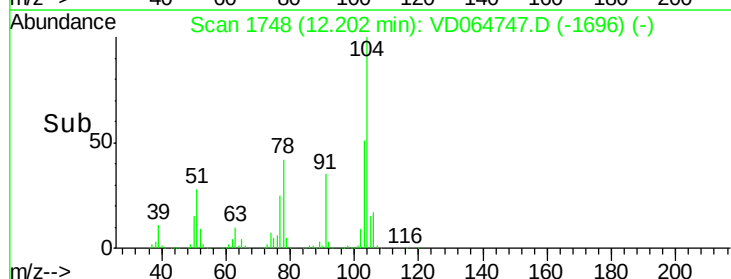
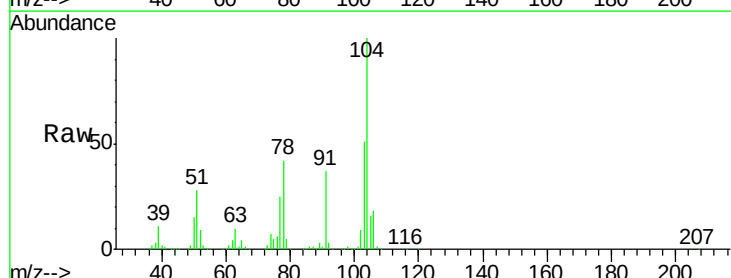
Manual Integrations
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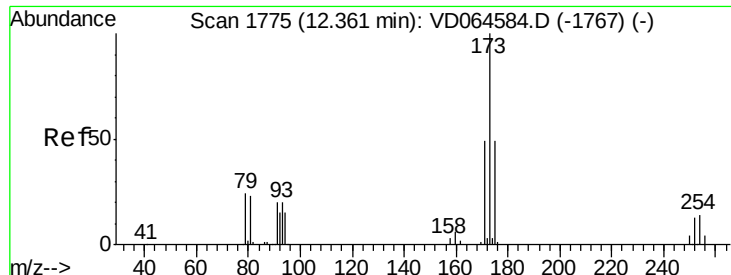
apatel
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#70
Styrene
Concen: 53.648 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion:104 Resp: 597893
Ion Ratio Lower Upper
104 100
78 48.2 38.2 57.2
103 55.0 44.6 67.0





#71

Bromoform

Concen: 55.462 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion:173 Resp: 119638

Ion Ratio Lower Upper

173 100

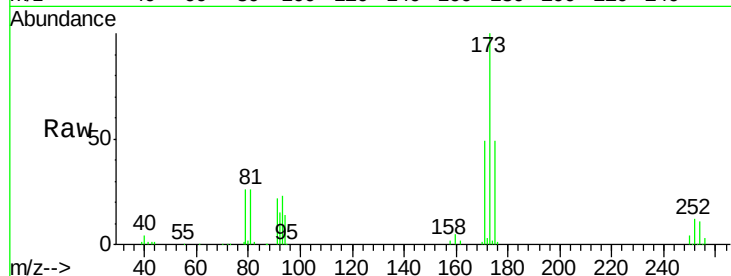
175 49.3 24.6 73.8

254 0.2 0.1 0.1#

Manual Integrations
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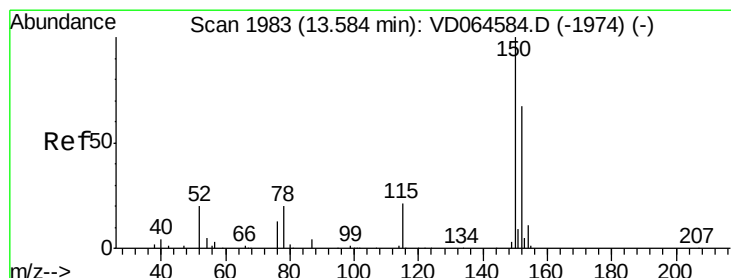
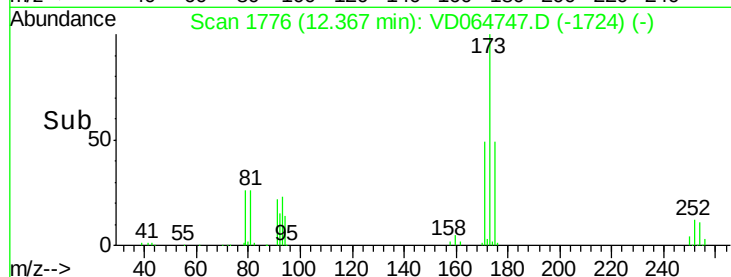
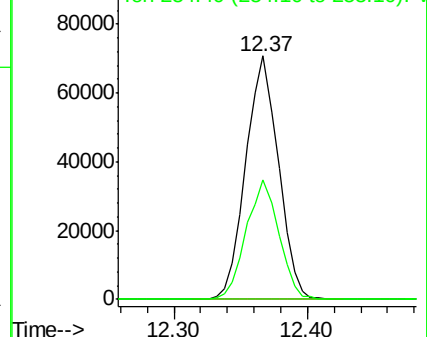
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

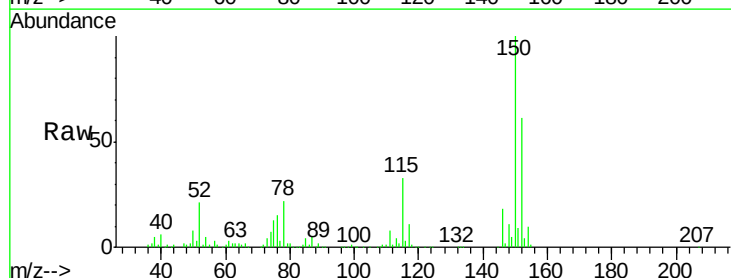
Tgt Ion:152 Resp: 244691

Ion Ratio Lower Upper

152 100

115 54.5 27.8 83.4

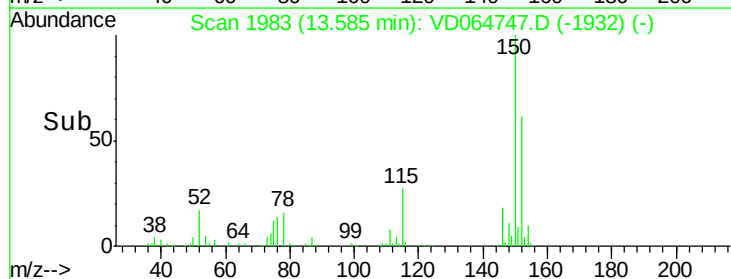
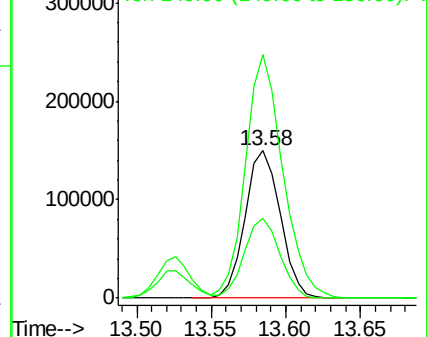
150 175.3 0.0 351.4

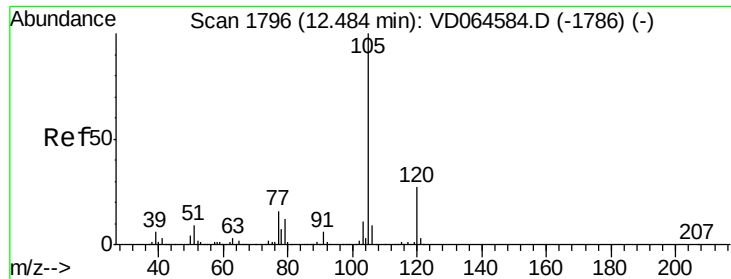


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





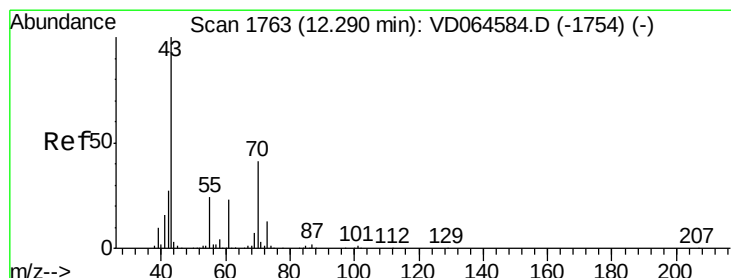
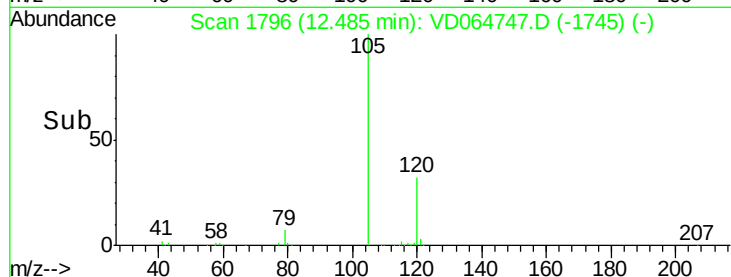
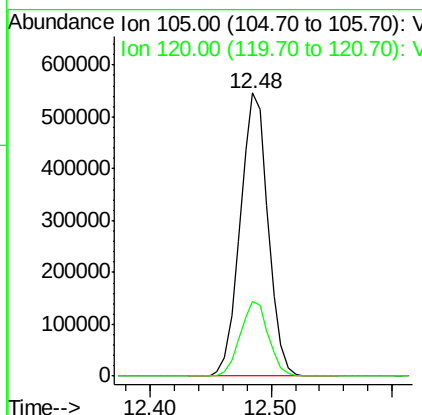
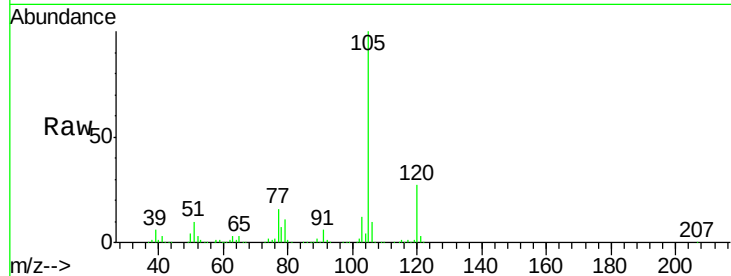
#73
Isopropylbenzene
Concen: 50.219 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.5

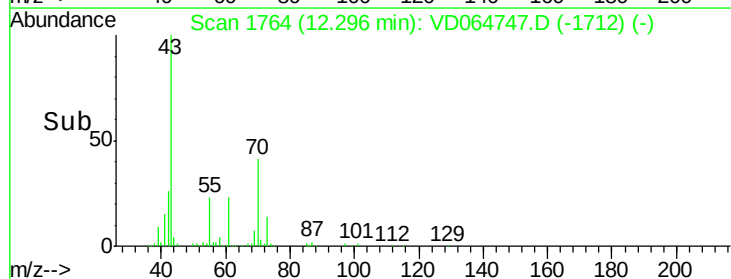
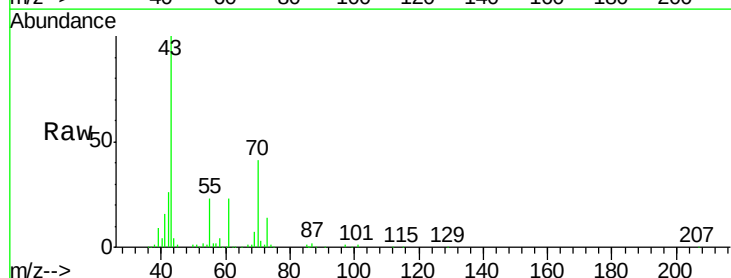
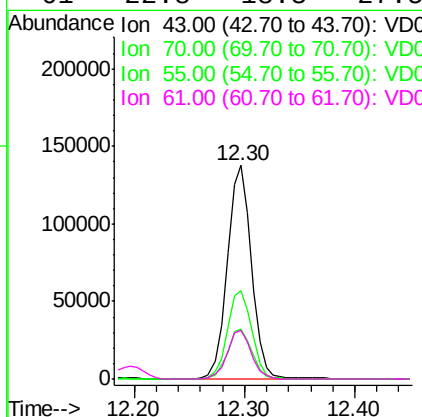
Manual Integrations
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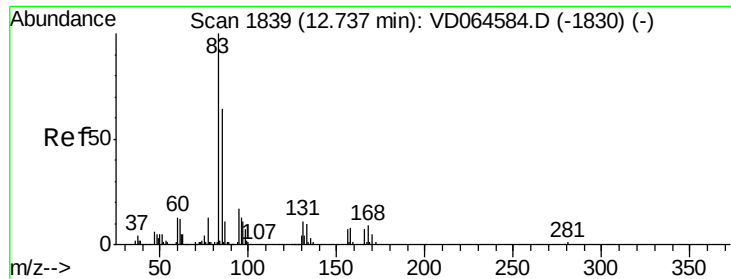
apatel
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#74
N-ethyl acetate
Concen: 56.658 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.4	50.0
55	23.8	19.4	29.0
61	22.8	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 56.129 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 154182

Ion Ratio Lower Upper

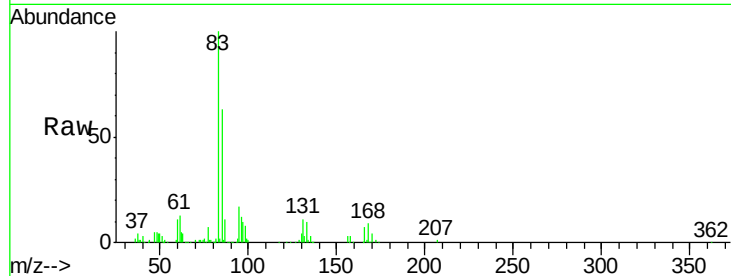
83 100

131 11.0 5.8 17.4

85 62.9 32.3 96.9

Manual Integrations
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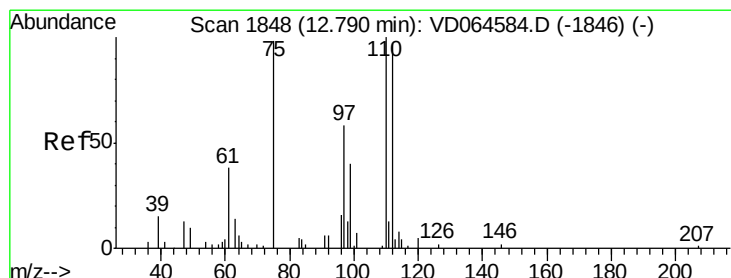
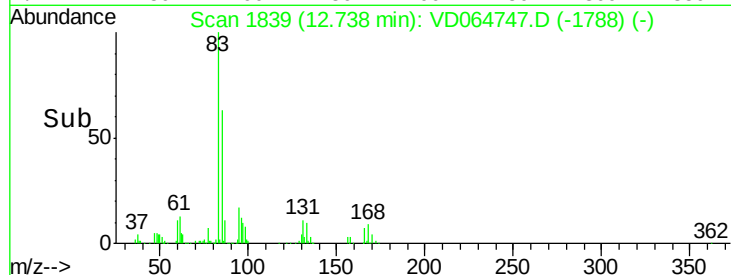
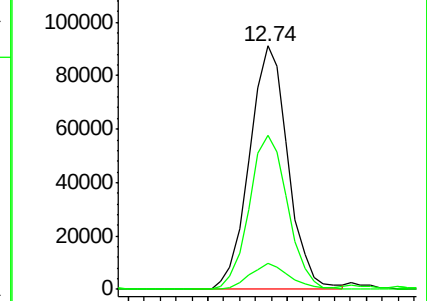
apatel
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 52.776 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD064747.D

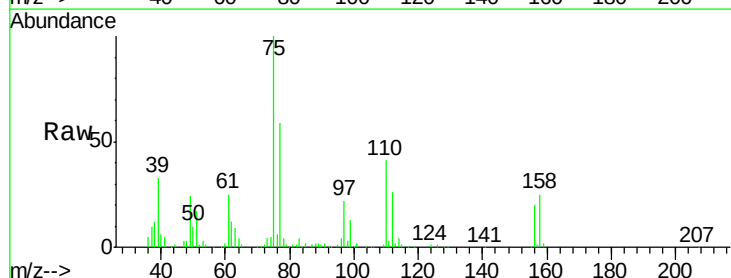
Acq: 03 Jan 2020 21:21

Tgt Ion: 75 Resp: 101975

Ion Ratio Lower Upper

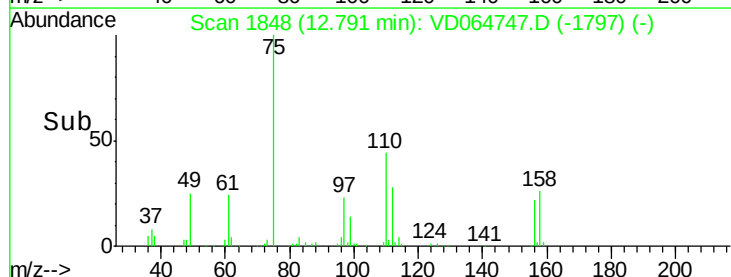
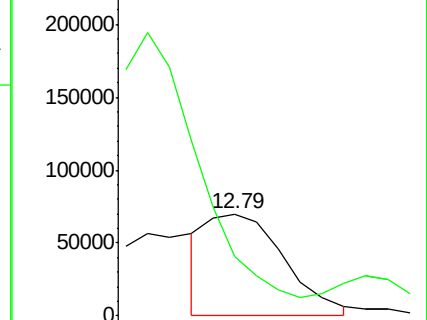
75 100

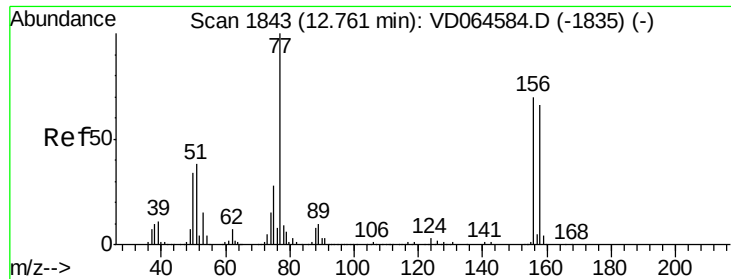
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.491 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

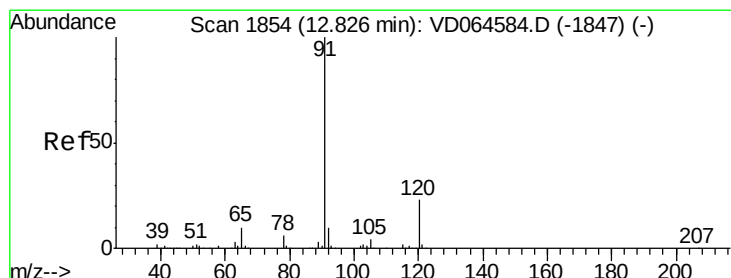
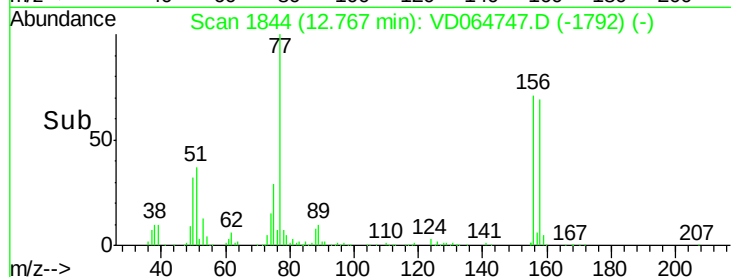
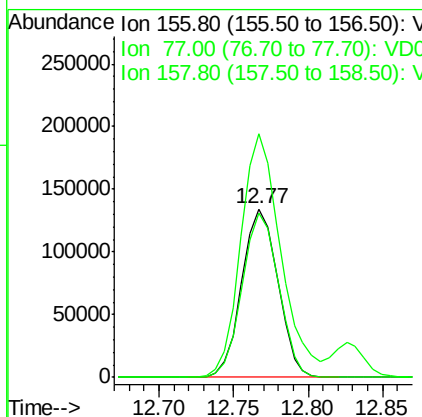
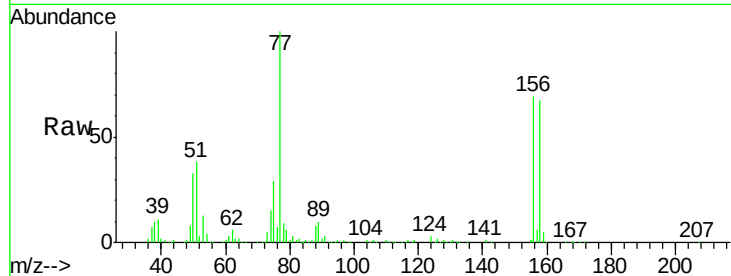
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	160.6	80.9	242.7
158	98.2	48.0	144.2

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#78

n-propylbenzene

Concen: 50.622 ug/l

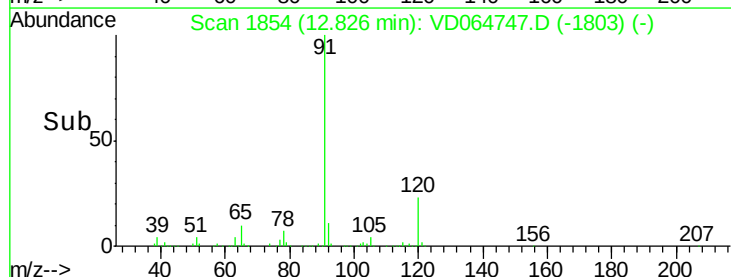
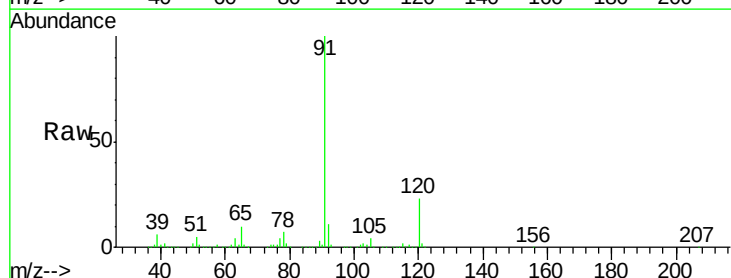
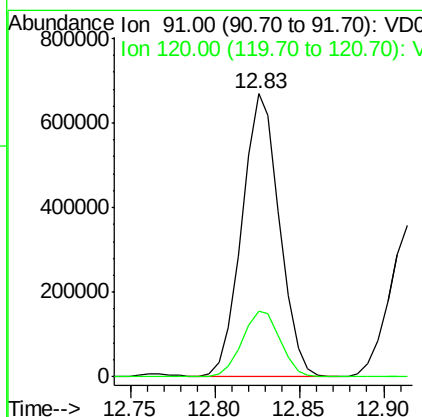
RT: 12.83 min Scan# 1854

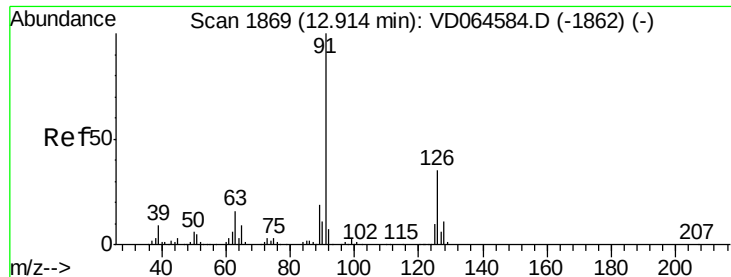
Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9





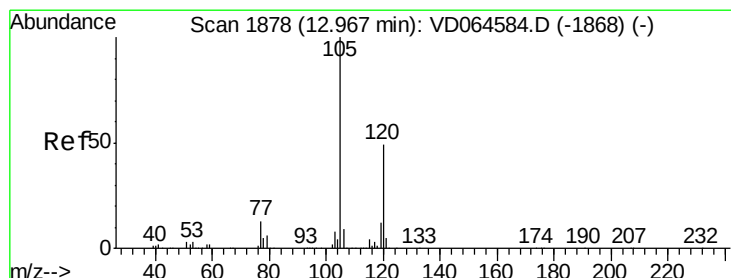
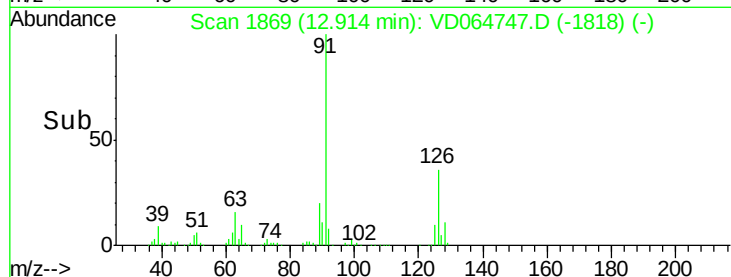
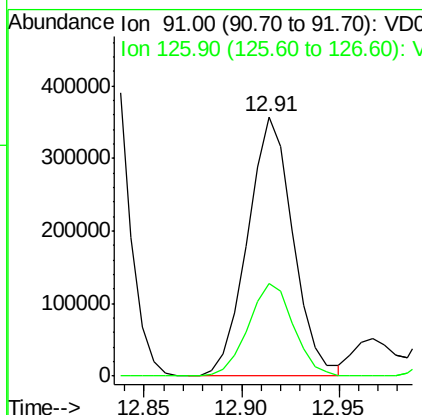
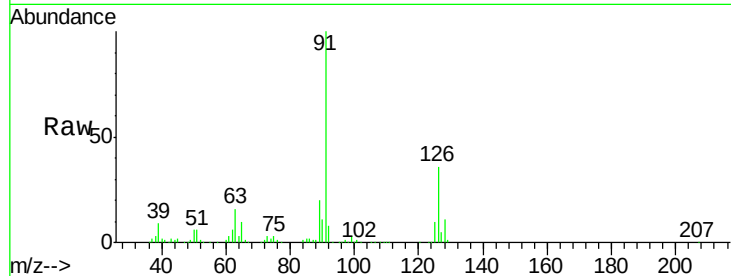
#79
 2-Chlorotoluene
 Concen: 51.371 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 575687
 Ion Ratio Lower Upper
 91 100
 126 35.7 17.8 53.5

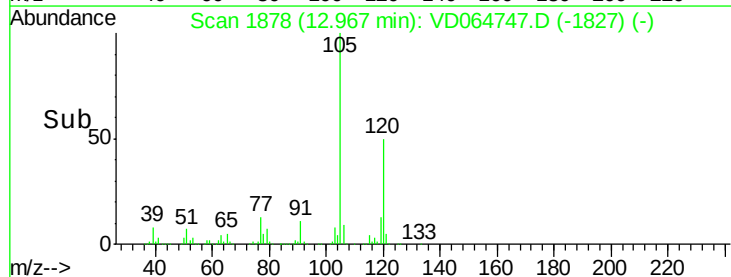
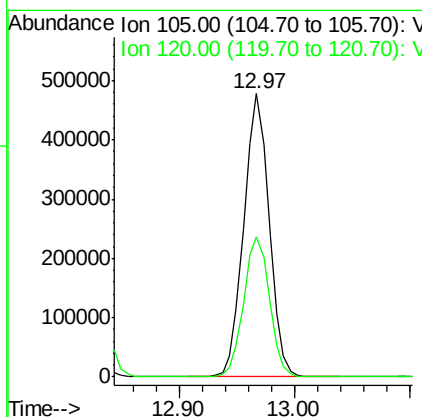
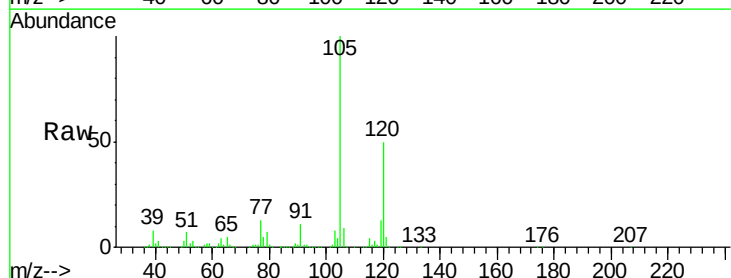
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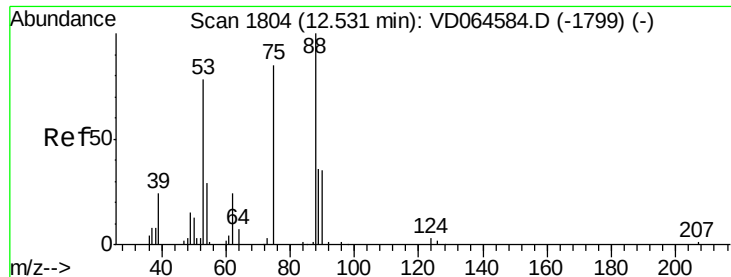
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#80
 1,3,5-Trimethylbenzene
 Concen: 50.835 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion: 105 Resp: 730200
 Ion Ratio Lower Upper
 105 100
 120 50.6 25.0 75.0





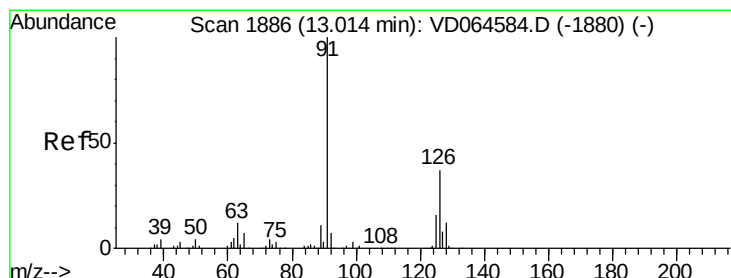
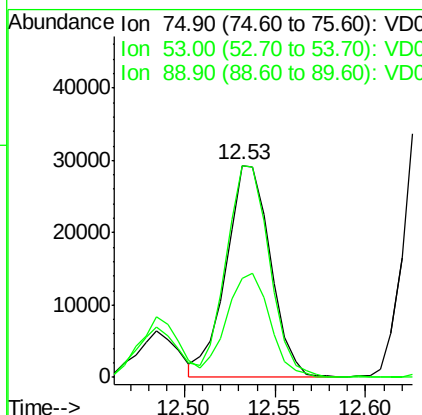
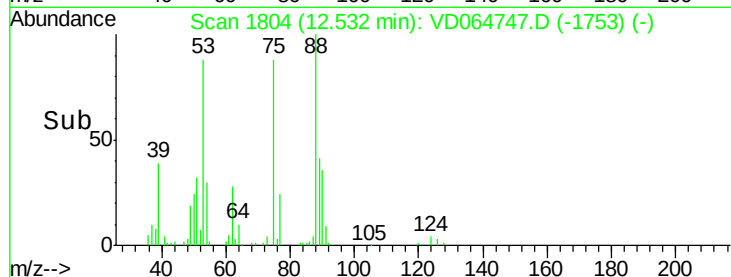
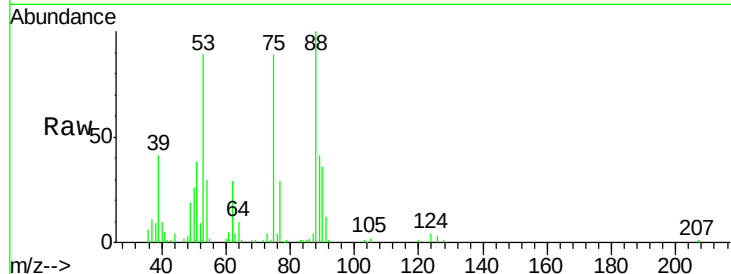
#81
trans-1,4-Dichloro-2-butene
Concen: 53.956 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	97.2	78.8	118.2
89	48.0	38.3	57.5

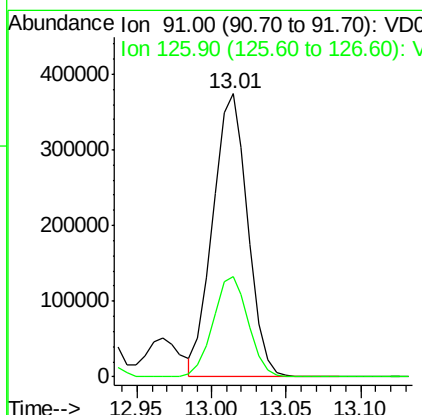
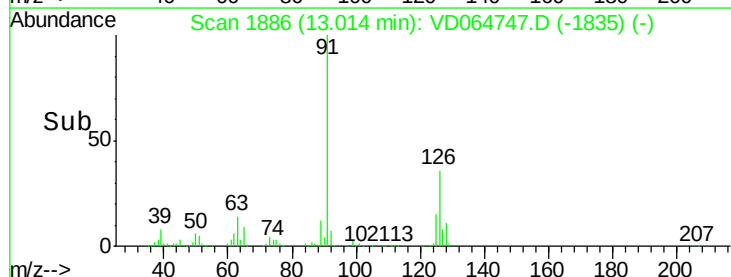
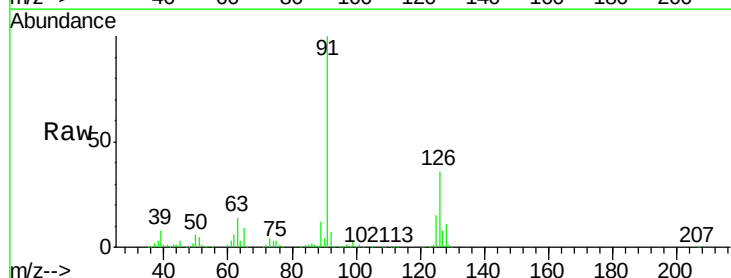
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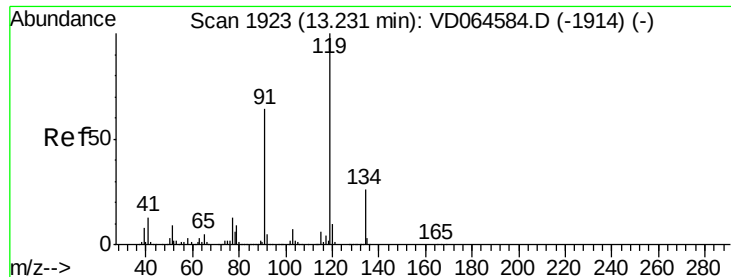
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#82
4-Chlorotoluene
Concen: 51.118 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.5





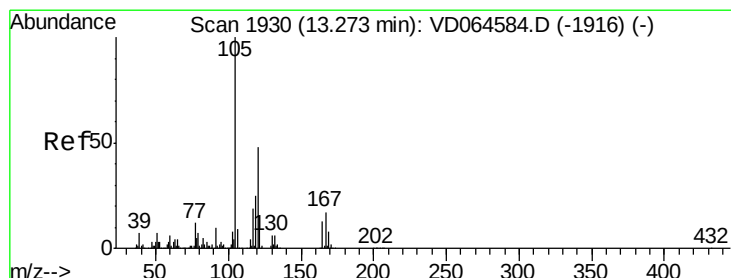
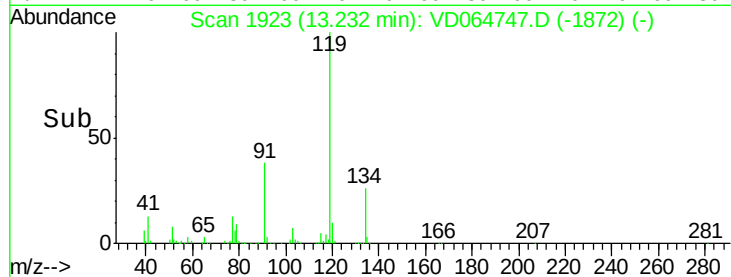
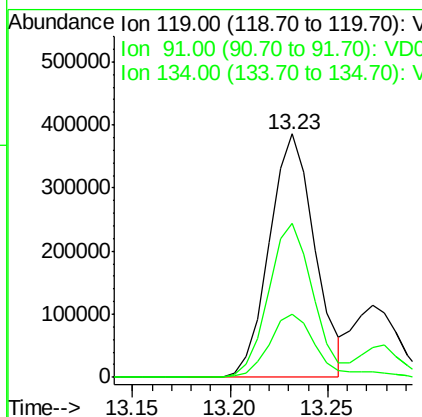
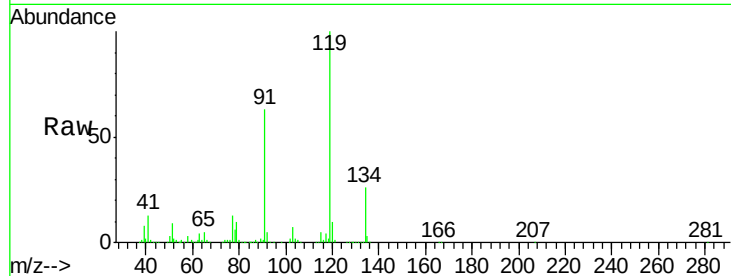
#83
 tert-Butylbenzene
 Concen: 49.749 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
119	100		
91	62.8	30.8	92.4
134	27.7	12.8	38.3

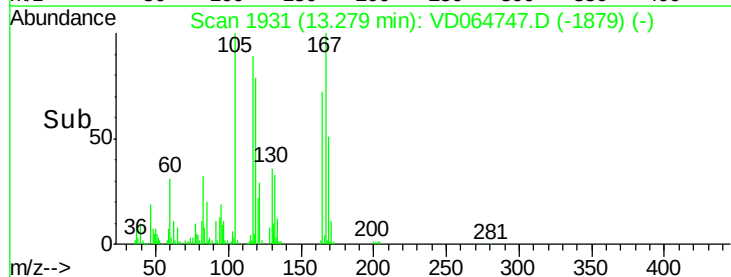
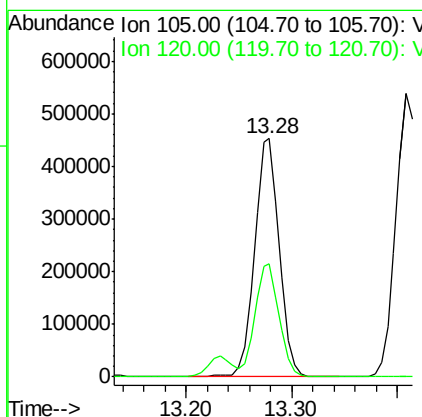
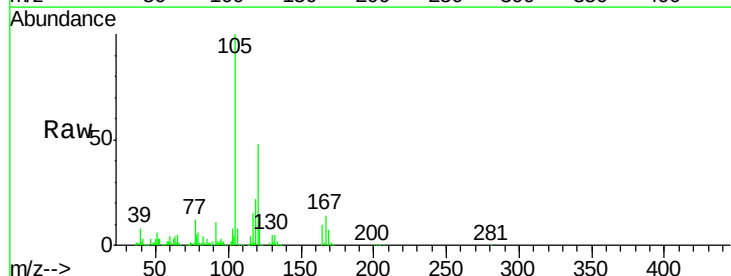
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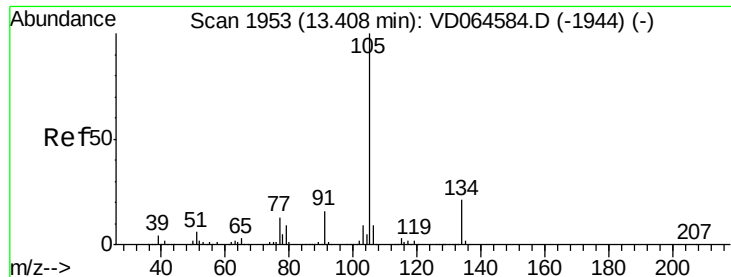
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#84
 1,2,4-Trimethylbenzene
 Concen: 51.471 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	23.8	71.2





#85

sec-Butylbenzene

Concen: 49.815 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 851728

Ion Ratio Lower Upper

105 100

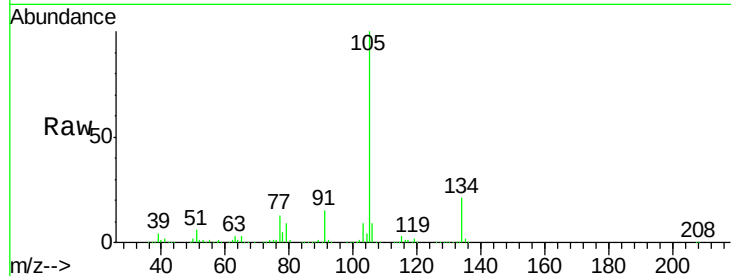
134 21.0 10.6 31.8

Manual Integrations

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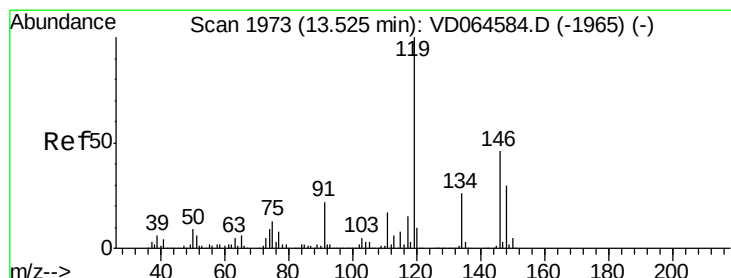
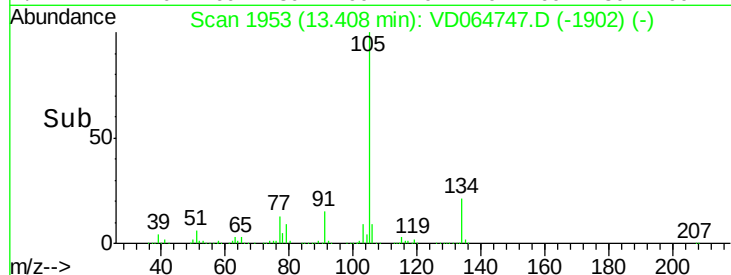
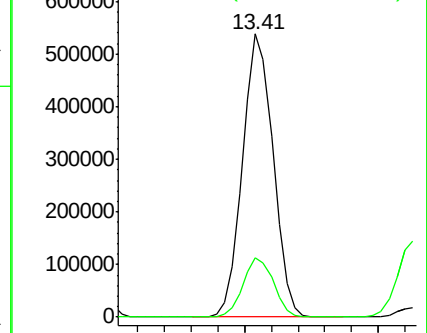
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.332 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

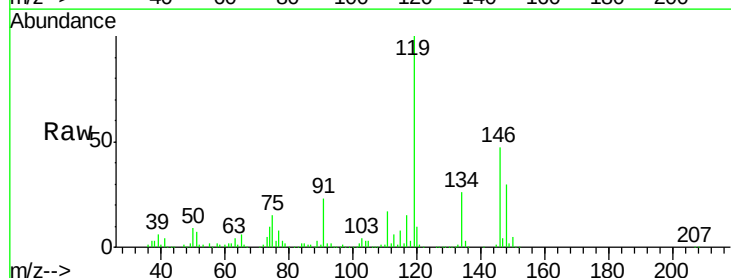
Tgt Ion:119 Resp: 822863

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

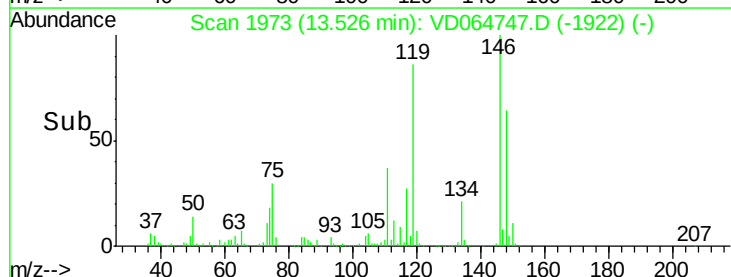
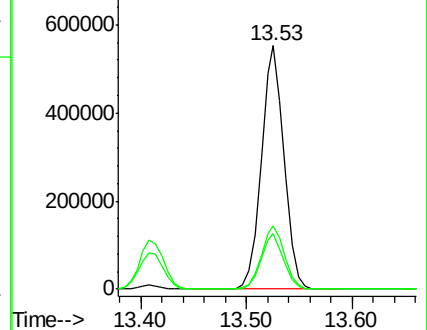
91 22.3 11.2 33.6

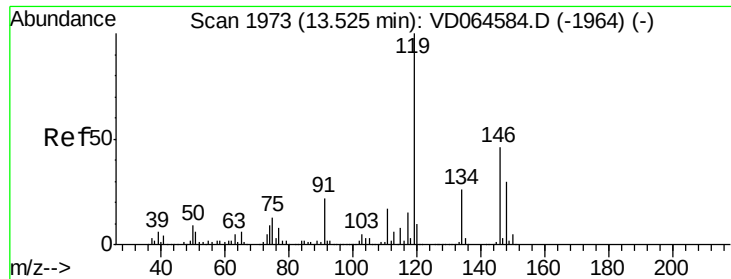


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





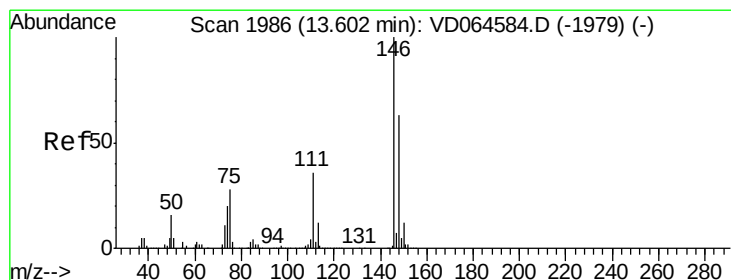
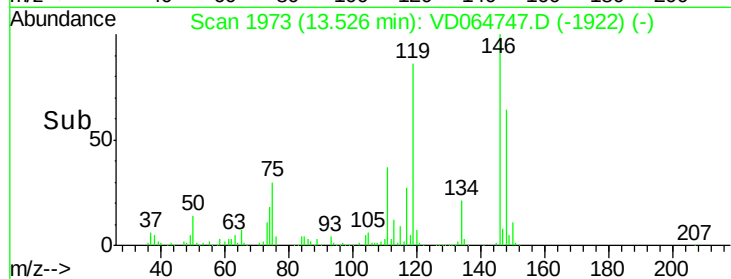
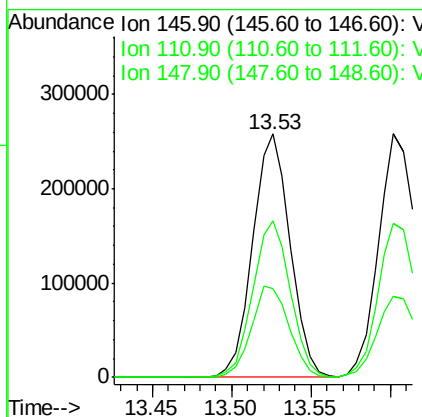
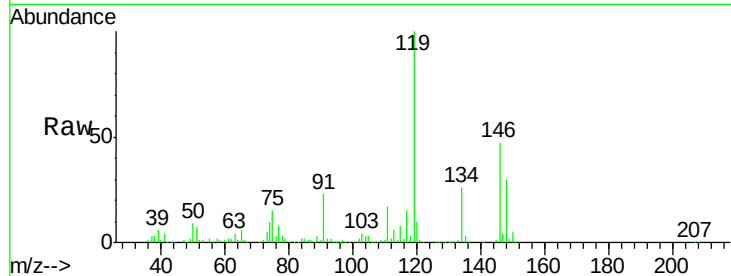
#87
 1,3-Dichlorobenzene
 Concen: 51.685 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	18.8	56.4
148	64.6	32.5	97.5

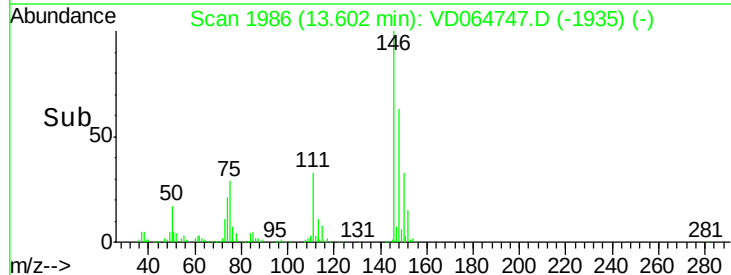
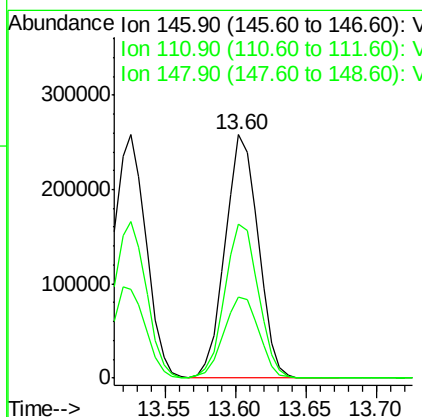
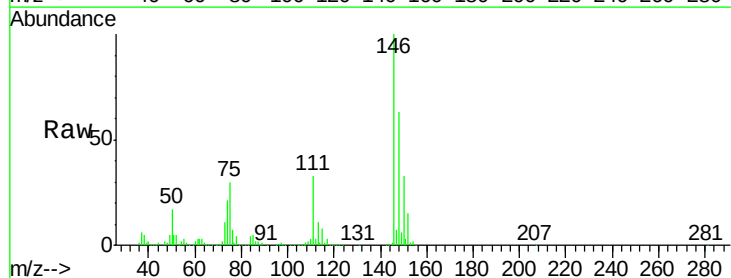
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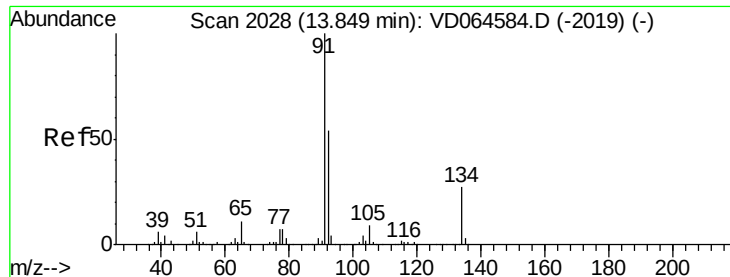
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#88
 1,4-Dichlorobenzene
 Concen: 52.386 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.1	54.1
148	64.2	32.3	96.9





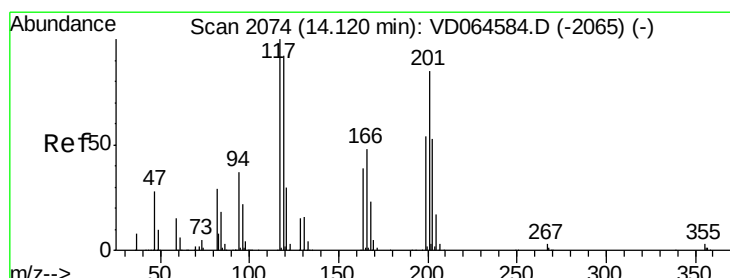
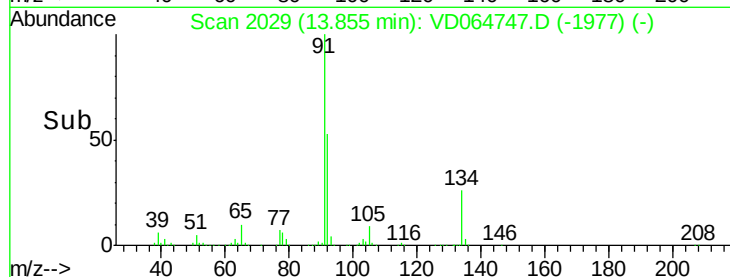
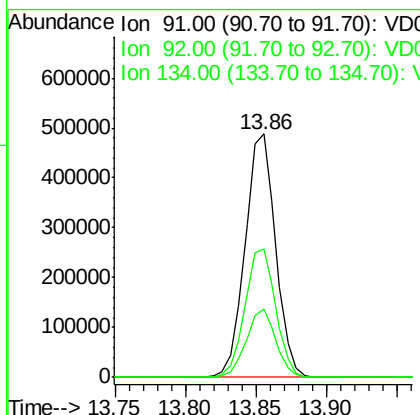
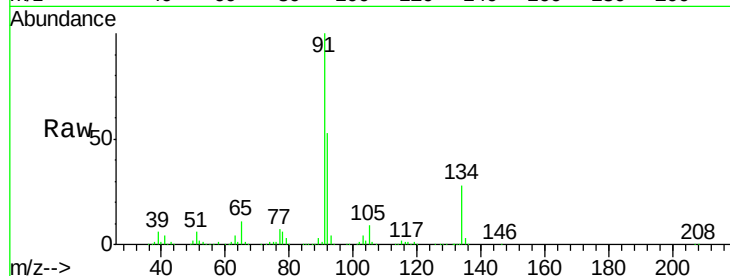
#89
n-Butylbenzene
Concen: 50.080 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.8	80.4
134	27.2	14.0	41.9

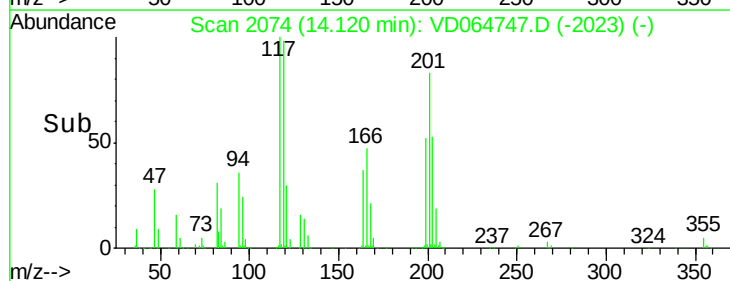
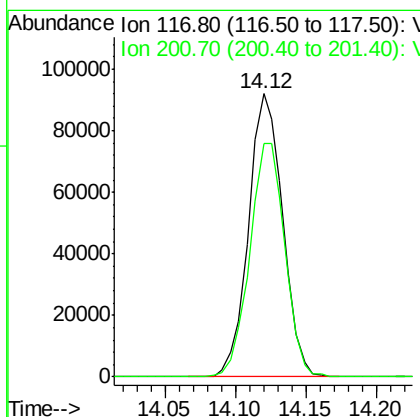
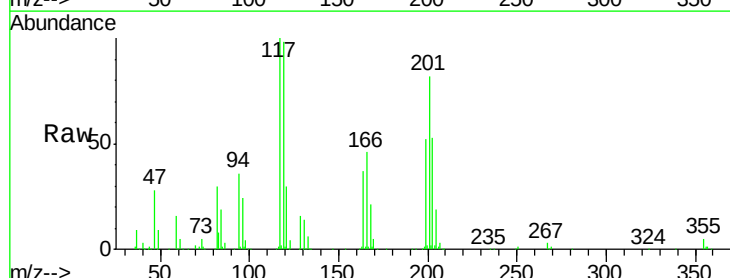
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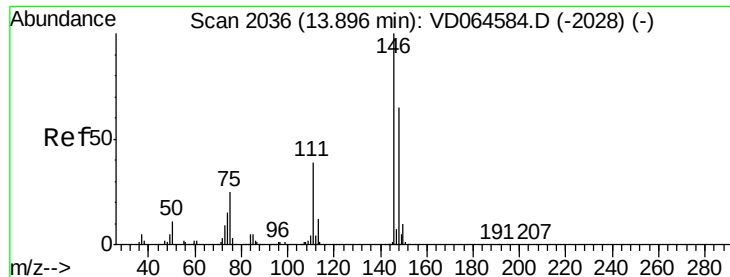
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#90
Hexachloroethane
Concen: 49.905 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064747.D
Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.1	44.0	131.8





#91

1,2-Dichlorobenzene

Concen: 53.227 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

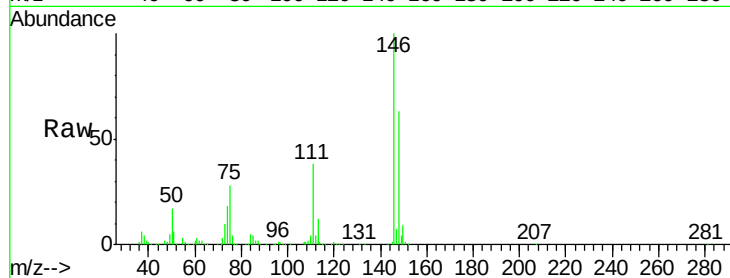
ClientSampleId :

VSTDCCC050EC

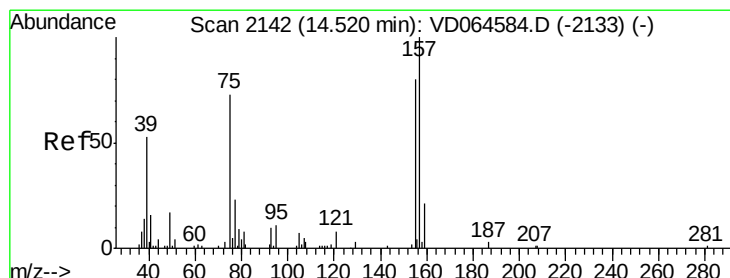
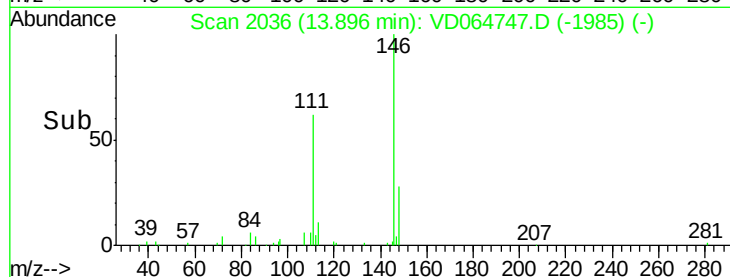
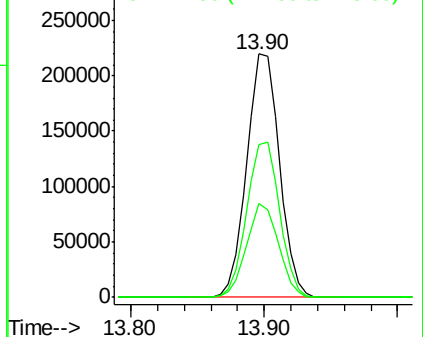
Tgt Ion:	146	Resp:	371752
Ion Ratio	Lower	Upper	
146	100		
111	37.8	19.3	57.9
148	63.8	31.9	95.5

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Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 56.094 ug/l

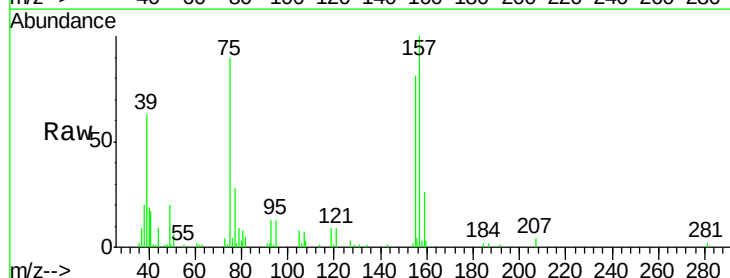
RT: 14.52 min Scan# 2142

Delta R.T. 0.00 min

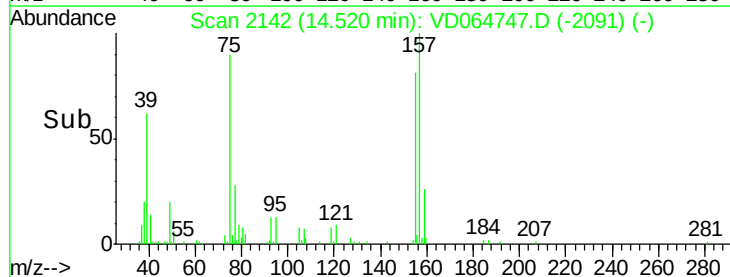
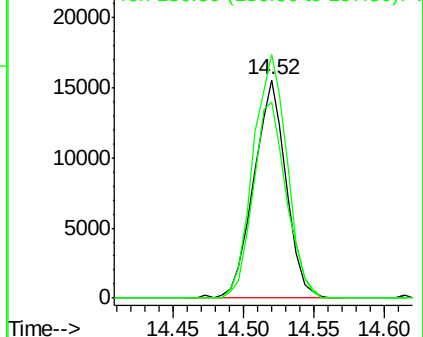
Lab File: VD064747.D

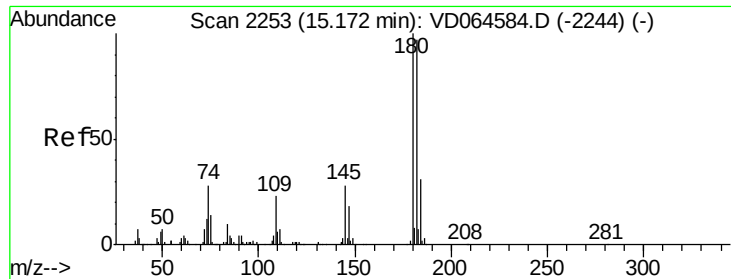
Acq: 03 Jan 2020 21:21

Tgt Ion:	75	Resp:	24979
Ion Ratio	Lower	Upper	
75	100		
155	92.6	48.0	144.0
157	117.1	64.1	192.3



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 154.80 (154.50 to 155.50): V
Ion 156.80 (156.50 to 157.50): V





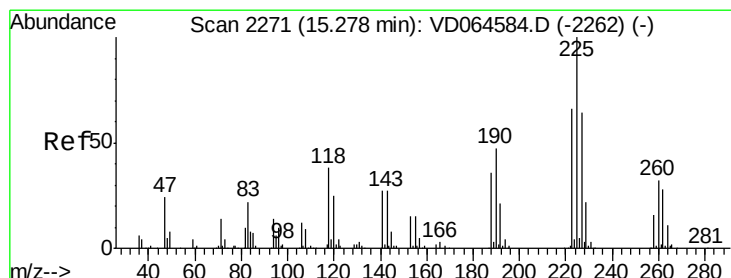
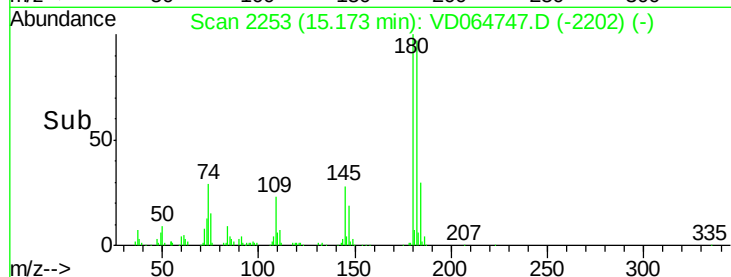
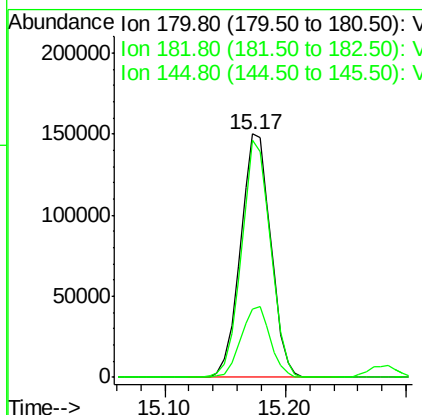
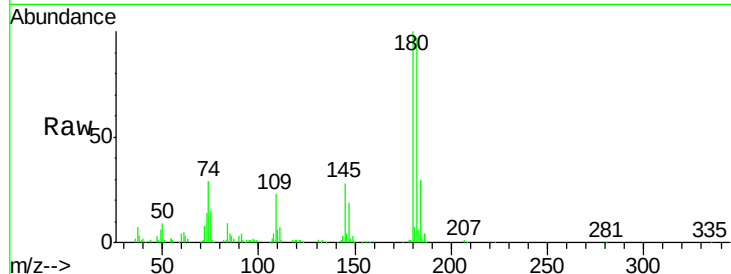
#93
 1,2,4-Trichlorobenzene
 Concen: 50.961 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	262075		
182	93.9	48.0	144.2	
145	28.2	13.8	41.4	

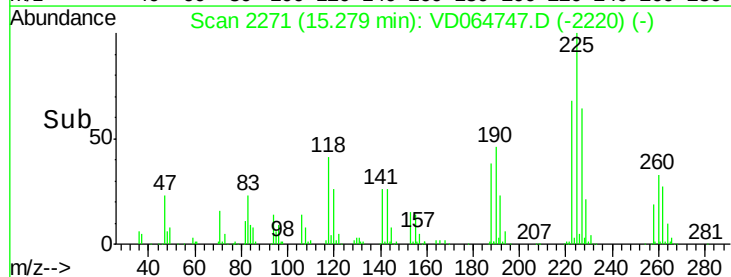
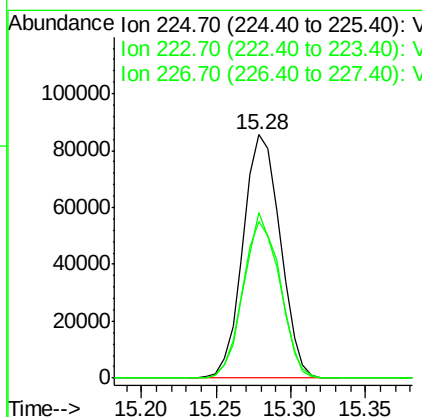
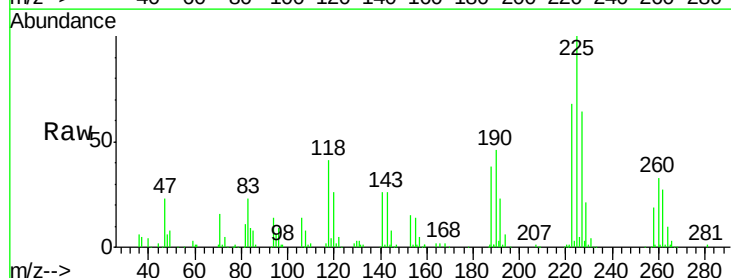
Manual Integrations
 APPROVED

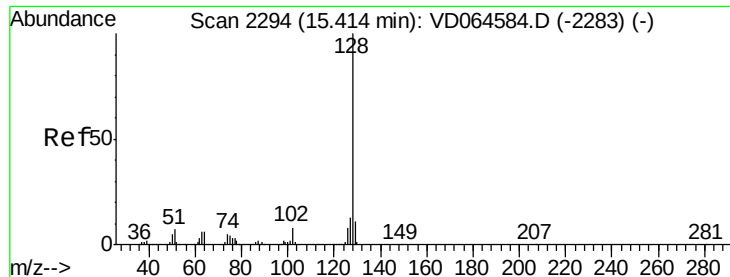
apatel
 1/6/2020 10:49:57 AM



#94
 Hexachlorobutadiene
 Concen: 45.697 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064747.D
 Acq: 03 Jan 2020 21:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	147880		
223	65.1	31.1	93.2	
227	65.6	30.9	92.7	





#95

Naphthalene

Concen: 54.690 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Instrument :

MSVOA_D

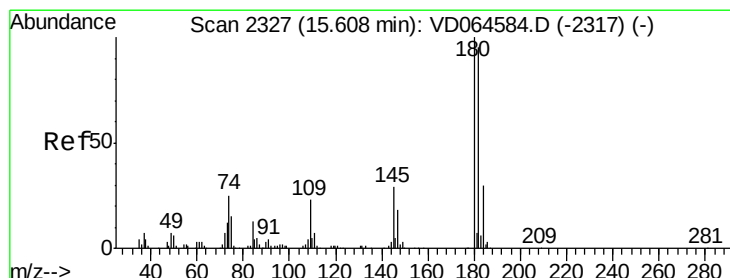
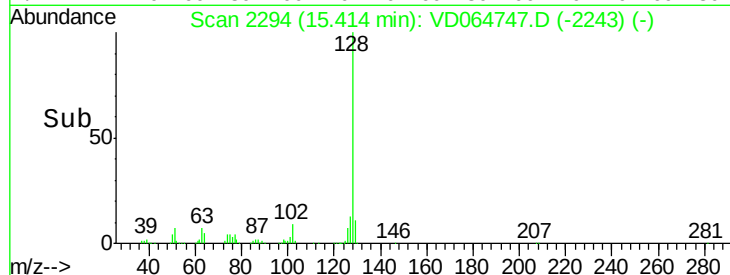
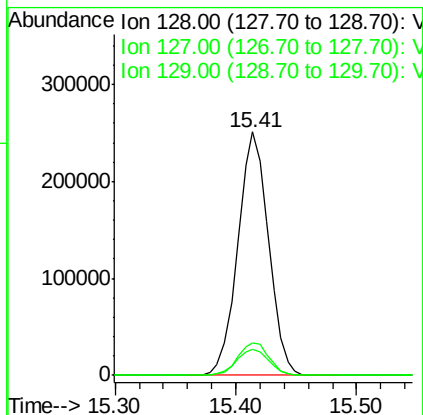
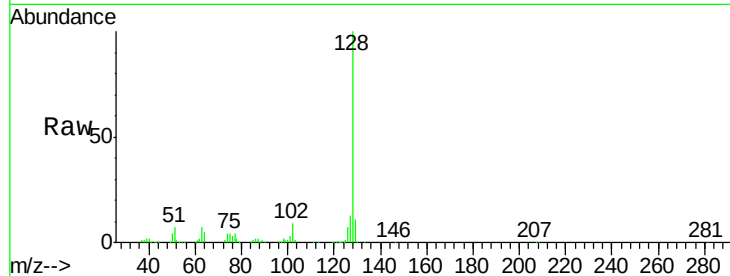
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	444940
Ion Ratio	Lower	Upper	
128	100		
127	13.7	10.3	15.5
129	11.1	8.5	12.7

Manual Integrations
APPROVED

apatel
1/6/2020 10:49:57 AM



#96

1,2,3-Trichlorobenzene

Concen: 52.358 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064747.D

Acq: 03 Jan 2020 21:21

Tgt Ion:	180	Resp:	229868
Ion Ratio	Lower	Upper	
180	100		
182	94.9	47.9	143.7
145	30.0	14.9	44.7

