

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD010220\
 Data File : VD064708.D
 Acq On : 02 Jan 2020 10:26
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 1/3/2020 11:10:13 AM

Quant Time: Jan 03 00:28:21 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	481151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	686479	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589888	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291016	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	200217	47.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.38%	
35) Dibromofluoromethane	7.91	113	202963	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	10.34	98	782961	48.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.08%	
62) 4-Bromofluorobenzene	12.64	95	250711	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	159878	42.757	ug/l	99
3) Chloromethane	2.21	50	224756	42.978	ug/l	100
4) Vinyl Chloride	2.35	62	277657	43.545	ug/l	98
5) Bromomethane	2.77	94	195631	42.197	ug/l	94
6) Chloroethane	2.93	64	186137	43.567	ug/l	98
7) Trichlorofluoromethane	3.27	101	467055	43.503	ug/l	98
8) Diethyl Ether	3.70	74	93112	43.674	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	201225	45.257	ug/l	99
10) Methyl Iodide	4.29	142	232998	48.785	ug/l	98
11) Tert butyl alcohol	5.25	59	58666	241.272	ug/l #	94
12) 1,1-Dichloroethene	4.06	96	192458	45.465	ug/l	98
13) Acrolein	3.92	56	93221	275.094	ug/l	99
14) Allyl chloride	4.71	41	310995	47.121	ug/l	99
15) Acrylonitrile	5.43	53	190286	214.277	ug/l	99
16) Acetone	4.16	43	246551	279.568	ug/l	96
17) Carbon Disulfide	4.40	76	594556	43.438	ug/l	99
18) Methyl Acetate	4.71	43	97437	40.792	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	428720	45.597	ug/l	98
20) Methylene Chloride	4.96	84	201583	46.073	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	219587	45.549	ug/l	99
22) Diisopropyl ether	6.37	45	602414	45.762	ug/l	99
23) Vinyl Acetate	6.31	43	1707451	228.651	ug/l	100
24) 1,1-Dichloroethane	6.26	63	367755	46.534	ug/l	97
25) 2-Butanone	7.21	43	266542	228.551	ug/l	95
26) 2,2-Dichloropropane	7.21	77	344131	46.835	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	237401	45.629	ug/l	97
28) Bromochloromethane	7.55	49	151906	49.447	ug/l	100
29) Tetrahydrofuran	7.57	42	156165	215.327	ug/l	98
30) Chloroform	7.71	83	379955	45.825	ug/l	99
31) Cyclohexane	7.98	56	335821	42.451	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	359280	46.133	ug/l	98
36) 1,1-Dichloropropene	8.11	75	304911	46.147	ug/l	99
37) Ethyl Acetate	7.30	43	114671	44.177	ug/l	98
38) Carbon Tetrachloride	8.10	117	328105	46.570	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355019	44.363	ug/l	95
40) Benzene	8.35	78	825616	45.773	ug/l	99
41) Methacrylonitrile	7.53	41	61439	40.795	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	238909	45.835	ug/l	100
43) Isopropyl Acetate	8.46	43	225761	43.697	ug/l	98
44) Trichloroethene	9.11	130	241729	45.619	ug/l	96
45) 1,2-Dichloropropane	9.39	63	200882	46.645	ug/l	94
46) Dibromomethane	9.47	93	104207	43.400	ug/l	96
47) Bromodichloromethane	9.66	83	291535	45.629	ug/l	99
48) Methyl methacrylate	9.46	41	102099	41.970	ug/l	91
49) 1,4-Dioxane	9.47	88	23750	857.824	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	558988	218.893	ug/l	99
52) Toluene	10.40	92	538126	45.473	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	280066	47.016	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	325328	46.317	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	140412	43.392	ug/l	97
56) Ethyl methacrylate	10.66	69	181619	44.942	ug/l	98
57) 1,3-Dichloropropane	10.95	76	250892	45.031	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	325439	211.369	ug/l	99
59) 2-Hexanone	10.98	43	412974	238.266	ug/l	99
60) Dibromochloromethane	11.14	129	199049	44.482	ug/l	100
61) 1,2-Dibromoethane	11.25	107	141045	44.192	ug/l	98
64) Tetrachloroethene	10.87	164	208369	46.043	ug/l	98
65) Chlorobenzene	11.67	112	561203	45.839	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	214965	46.575	ug/l	100
67) Ethyl Benzene	11.75	91	1045238	47.036	ug/l	99
68) m/p-Xylenes	11.86	106	801365	93.430	ug/l	98
69) o-Xylene	12.18	106	364434	47.040	ug/l	100
70) Styrene	12.20	104	633577	46.591	ug/l	99
71) Bromoform	12.37	173	117300	44.566	ug/l #	99
73) Isopropylbenzene	12.48	105	985595	47.392	ug/l	99
74) N-amyl acetate	12.29	43	204760	46.059	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	146084	44.716	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	108675m	47.290	ug/l	
77) Bromobenzene	12.77	156	237441	46.466	ug/l	99
78) n-propylbenzene	12.83	91	1138643	46.931	ug/l	100
79) 2-Chlorotoluene	12.91	91	621862	46.658	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	796831	46.643	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51409	46.788	ug/l	98
82) 4-Chlorotoluene	13.01	91	658360	46.417	ug/l	100
83) tert-Butylbenzene	13.23	119	701726	47.309	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	791906	46.544	ug/l	99
85) sec-Butylbenzene	13.41	105	957864	47.105	ug/l	99
86) p-Isopropyltoluene	13.53	119	904296	46.508	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	450641	46.260	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	433788	45.329	ug/l	99
89) n-Butylbenzene	13.85	91	825756	47.159	ug/l	99
90) Hexachloroethane	14.12	117	165577	44.580	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	378408	45.555	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	22859	43.162	ug/l	97

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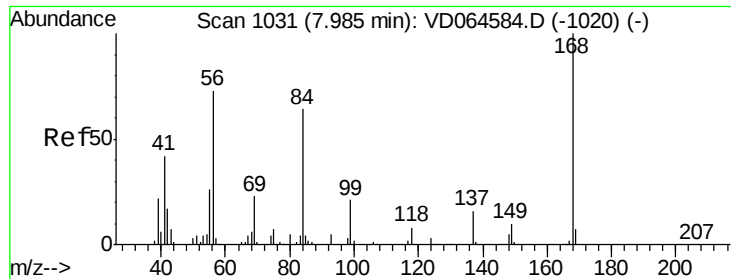
Manual Integrations
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1/3/2020 11:10:13 AM

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	270318	44.197	ug/l	99
94) Hexachlorobutadiene	15.28	225	172777	44.891	ug/l	98
95) Naphthalene	15.41	128	439489	45.421	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	228416	43.746	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064708.D

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Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 481151

Ion Ratio Lower Upper

168 100

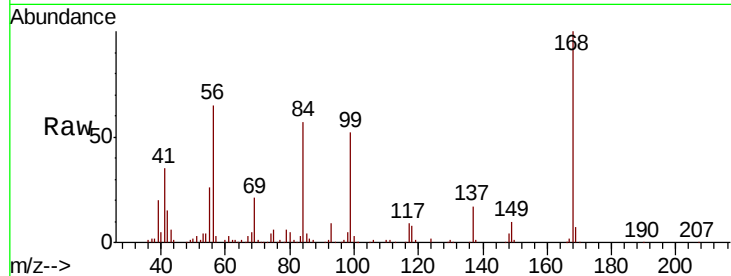
99 52.2 41.8 62.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

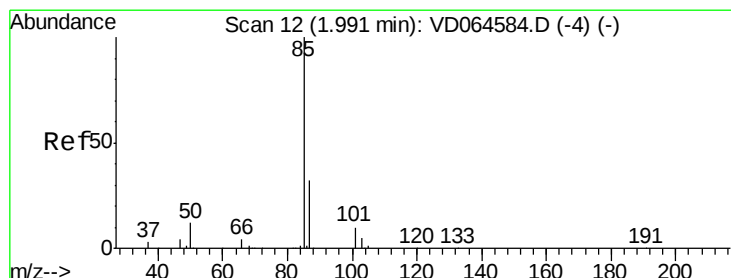
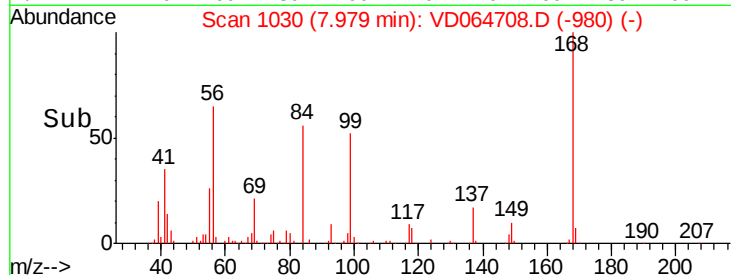
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 42.757 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064708.D

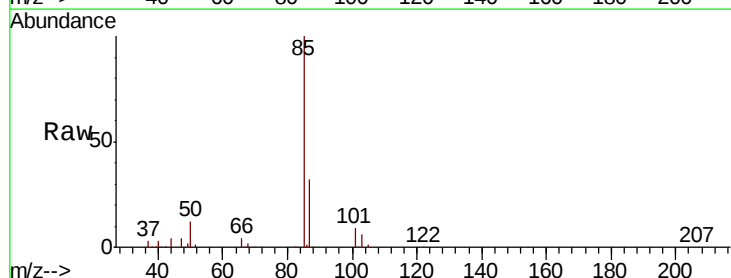
Acq: 02 Jan 2020 10:26

Tgt Ion: 85 Resp: 159878

Ion Ratio Lower Upper

85 100

87 31.6 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

100000

50000

0

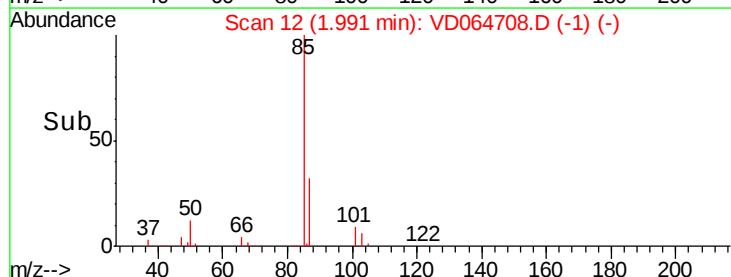
1.90

1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 42.978 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 224756

Ion Ratio Lower Upper

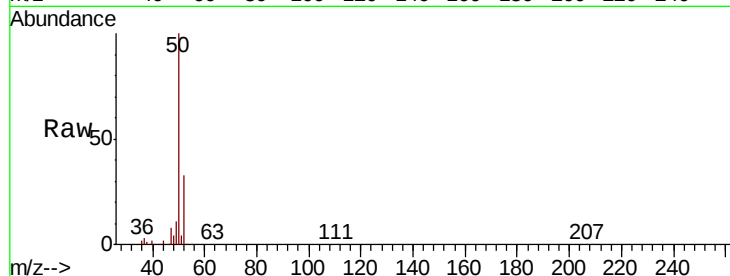
50 100

52 33.0 26.5 39.7

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

150000

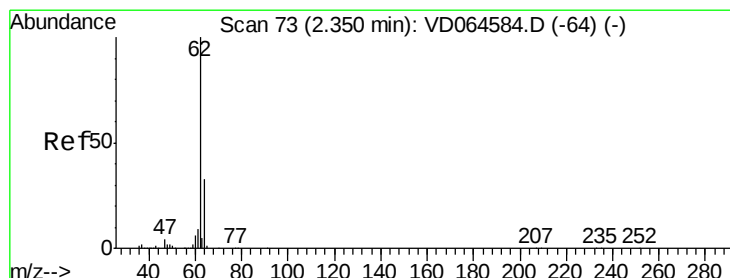
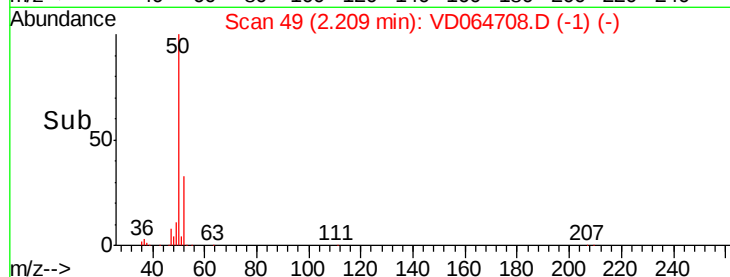
100000

50000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 43.545 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064708.D

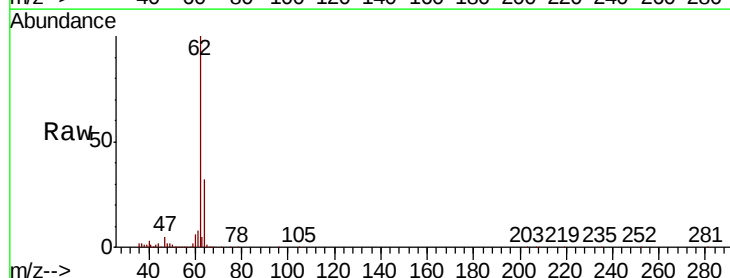
Acq: 02 Jan 2020 10:26

Tgt Ion: 62 Resp: 277657

Ion Ratio Lower Upper

62 100

64 32.1 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

150000

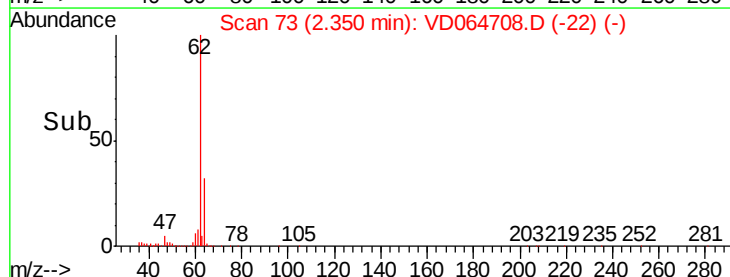
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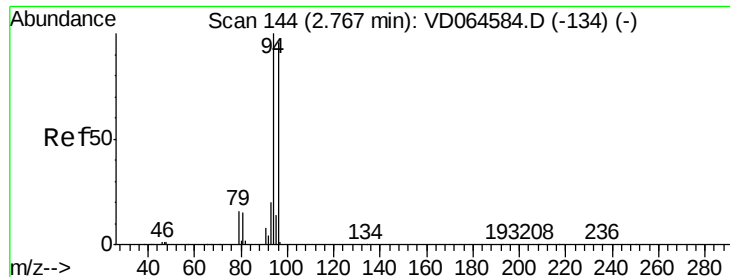
50000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 42.197 ug/l

RT: 2.77 min Scan# 144

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 195631

Ion Ratio Lower Upper

94 100

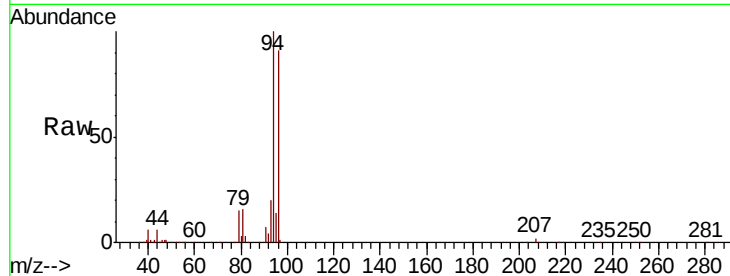
96 90.5 77.2 115.8

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

100000

80000

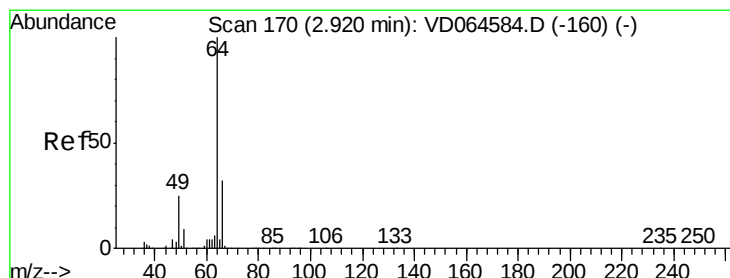
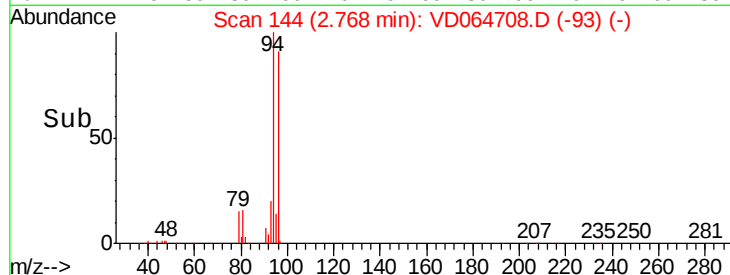
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 43.567 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064708.D

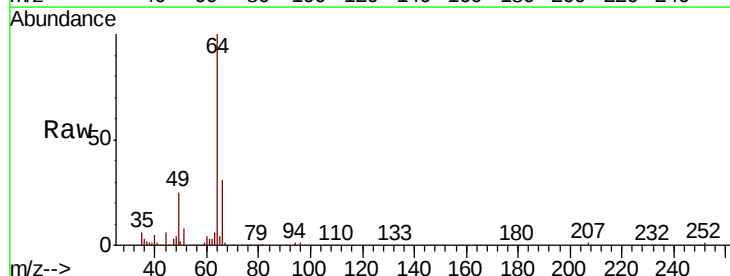
Acq: 02 Jan 2020 10:26

Tgt Ion: 64 Resp: 186137

Ion Ratio Lower Upper

64 100

66 31.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

100000

80000

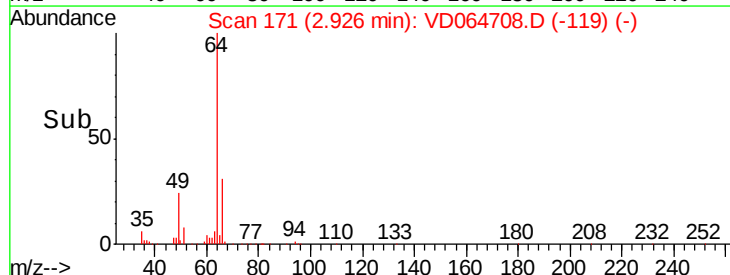
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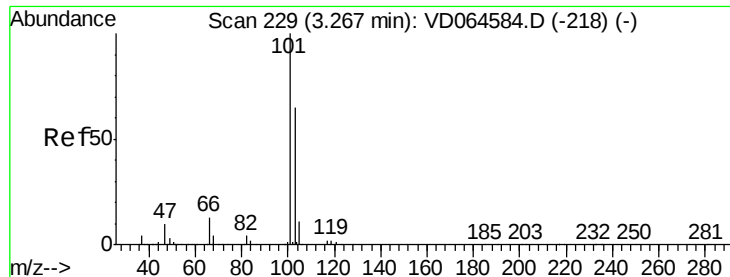
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20000

0

Time-->





#7

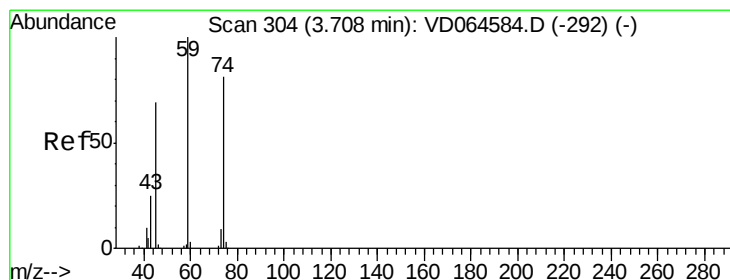
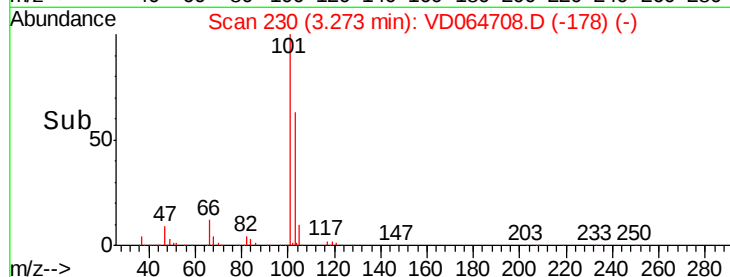
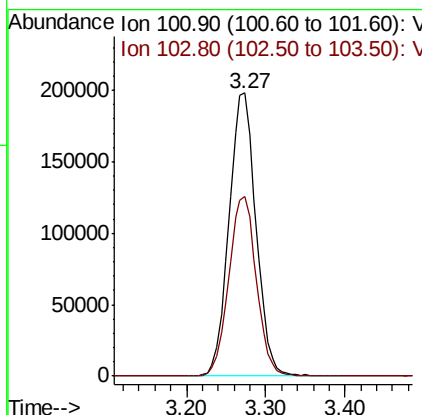
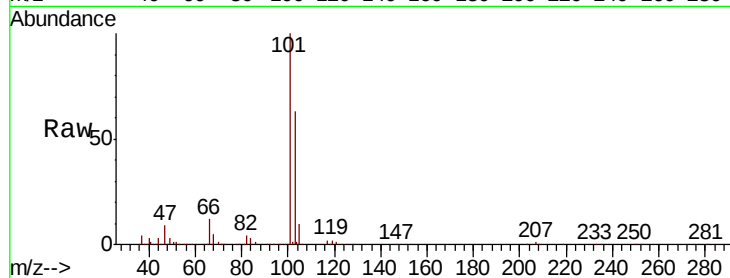
Trichlorofluoromethane
Concen: 43.503 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD064708.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		467055		
103	63.4	52.2	78.4		

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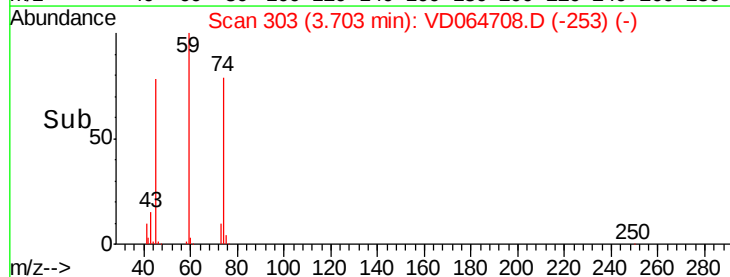
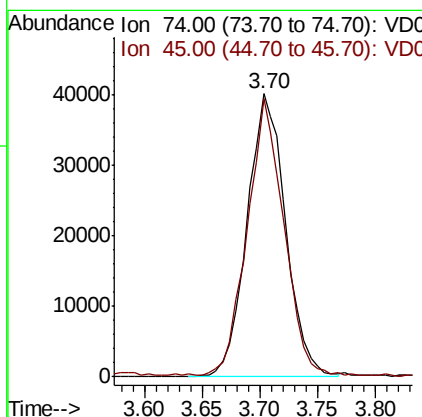
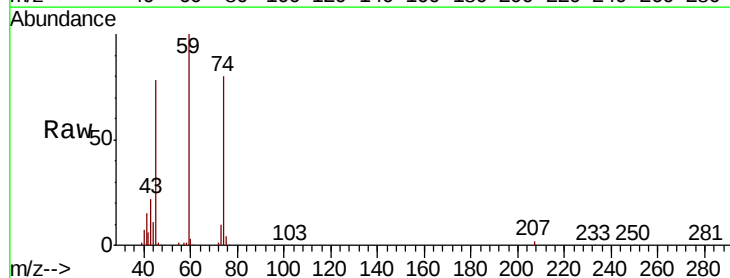
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#8

Diethyl Ether
Concen: 43.674 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		93112		
45	93.0	47.5	142.5		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 45.257 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

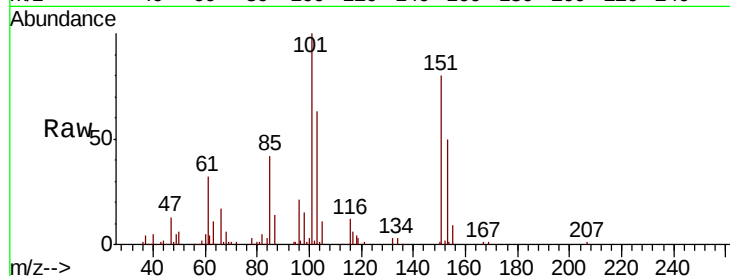
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	201225
Ion Ratio	Lower	Upper	
101	100		
85	43.9	35.2	52.8
151	82.0	66.2	99.4

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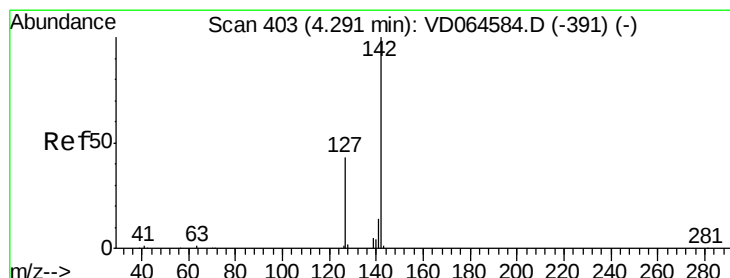
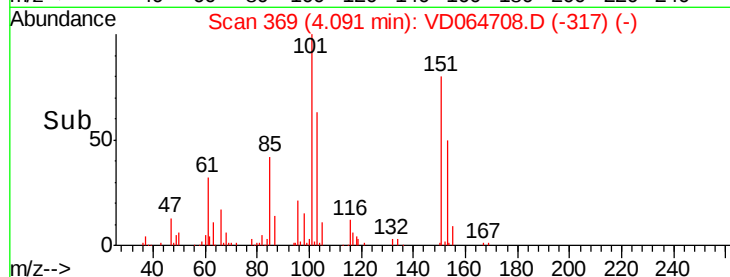
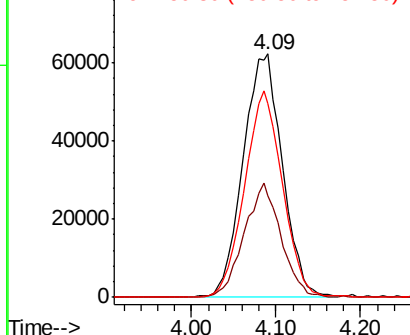


Abundance

Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.785 ug/l

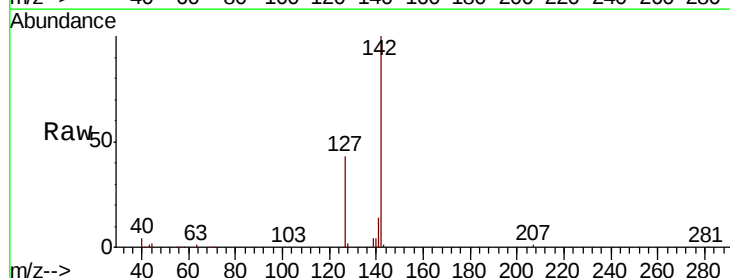
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Tgt Ion:	142	Resp:	232998
Ion Ratio	Lower	Upper	
142	100		
127	43.7	36.2	54.4
141	14.8	11.8	17.8

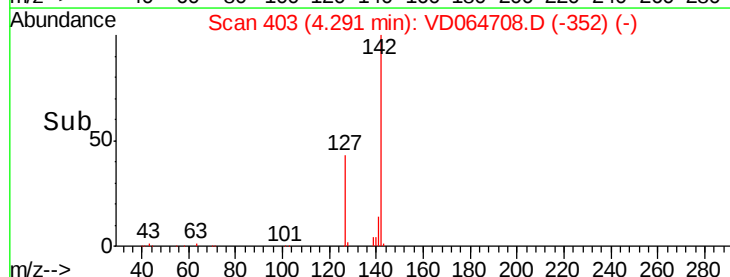
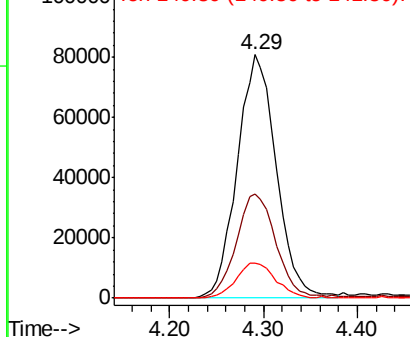


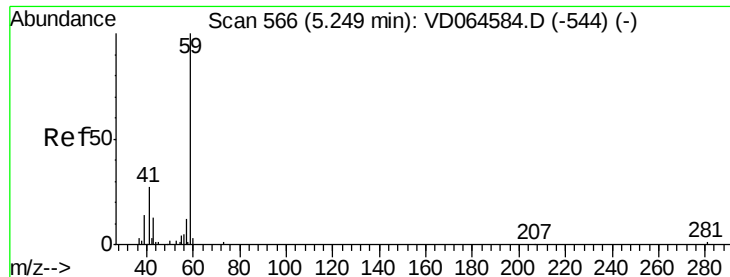
Abundance

Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

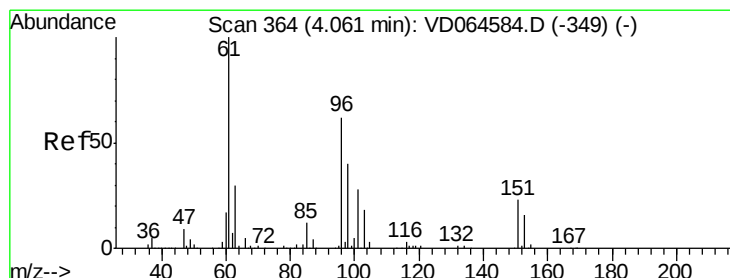
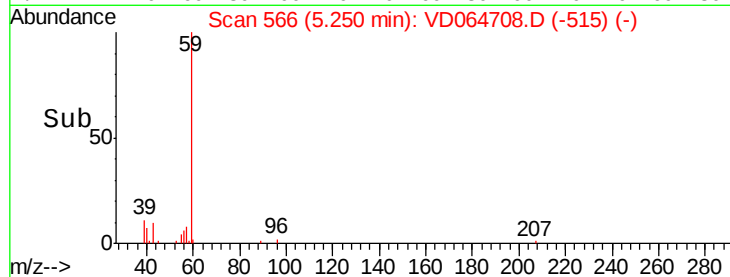
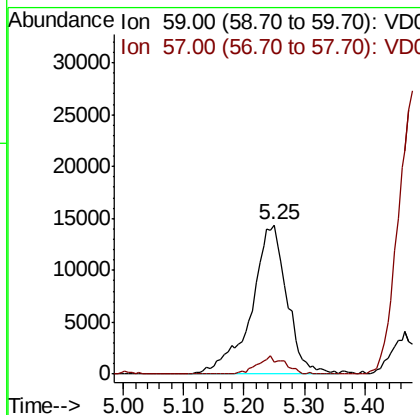
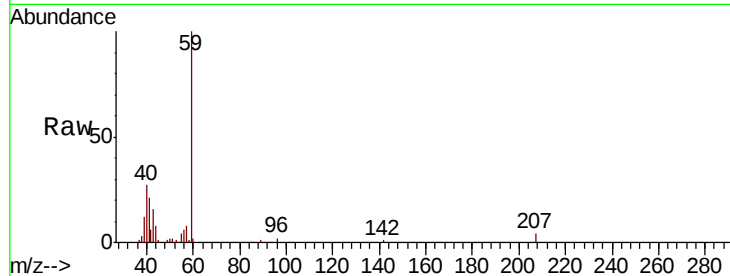
Tert butyl alcohol
 Concen: 241.272 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.2	9.3	13.9#

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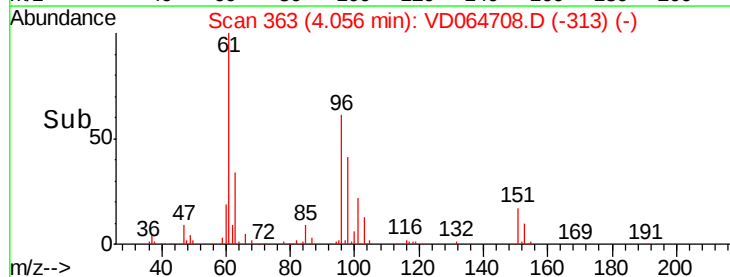
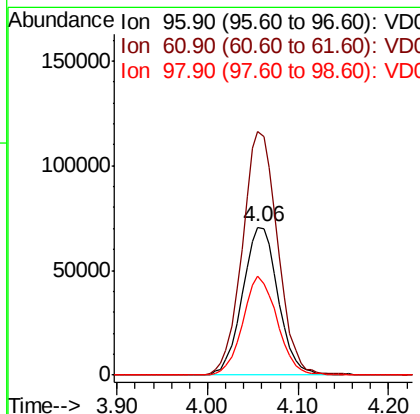
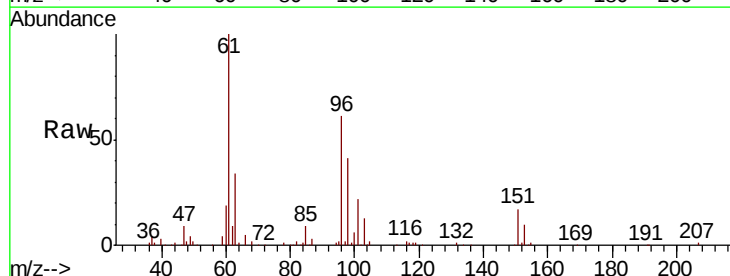
apatel
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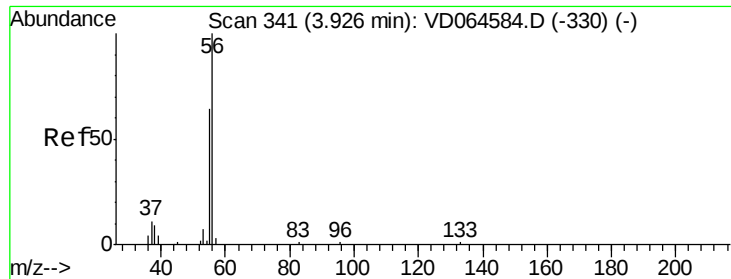


#12

1,1-Dichloroethene
 Concen: 45.465 ug/l
 RT: 4.06 min Scan# 363
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	129.4	194.0
98	66.9	51.4	77.0





#13

Acrolein

Concen: 275.094 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 93221

Ion Ratio Lower Upper

56 100

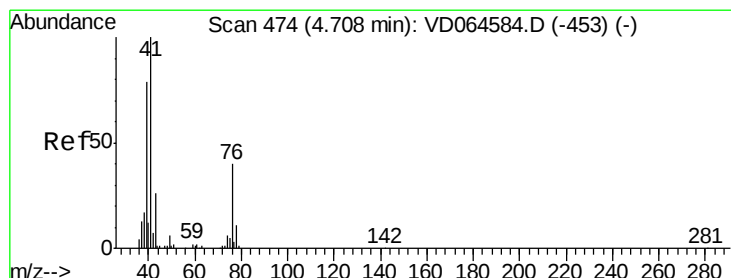
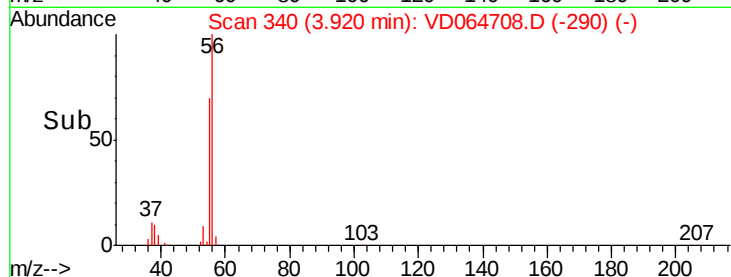
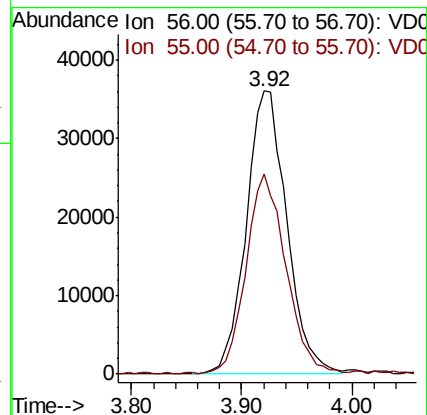
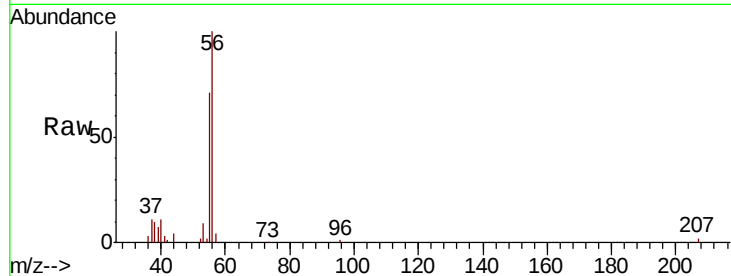
55 69.8 56.7 85.1

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#14

Allyl chloride

Concen: 47.121 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

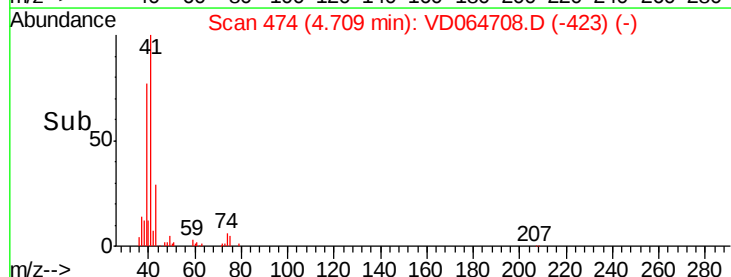
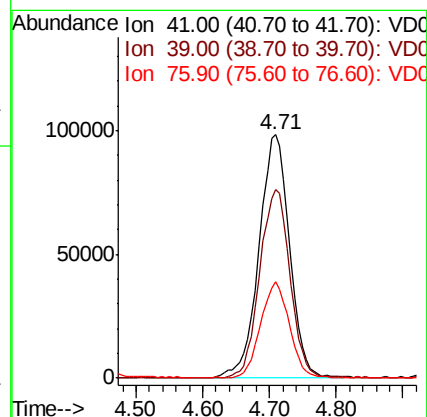
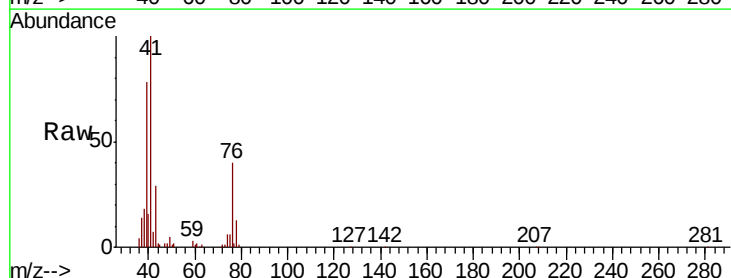
Tgt Ion: 41 Resp: 310995

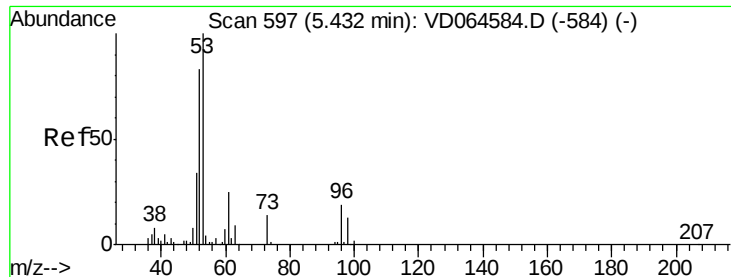
Ion Ratio Lower Upper

41 100

39 77.2 62.3 93.5

76 36.7 29.7 44.5





#15

Acrylonitrile

Concen: 214.277 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

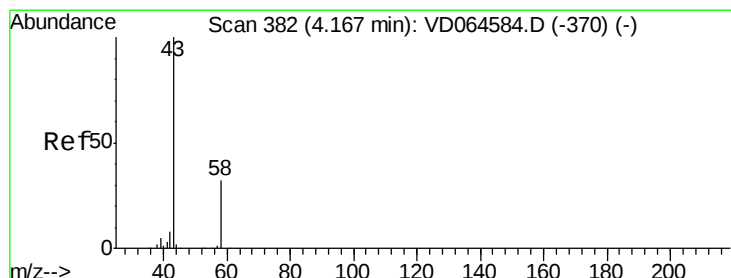
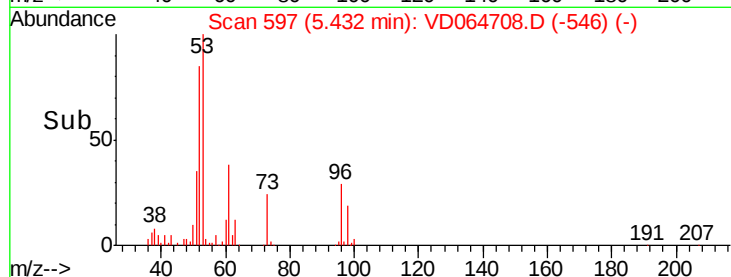
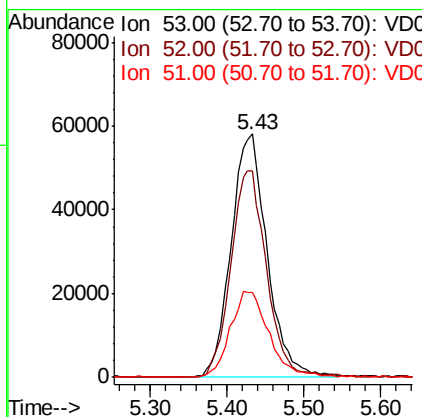
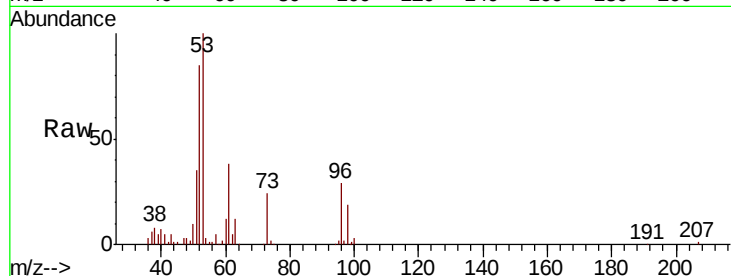
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	190286
Ion Ratio		Lower	Upper
53	100		
52	84.4	66.2	99.2
51	37.9	30.1	45.1

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#16

Acetone

Concen: 279.568 ug/l

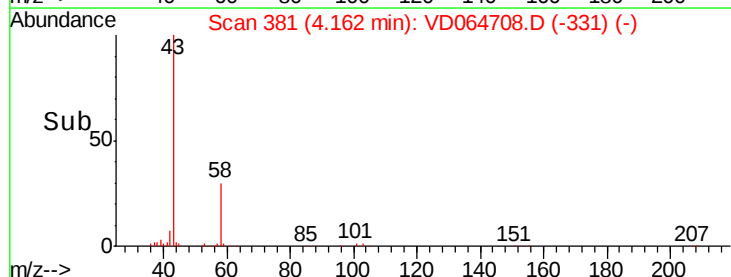
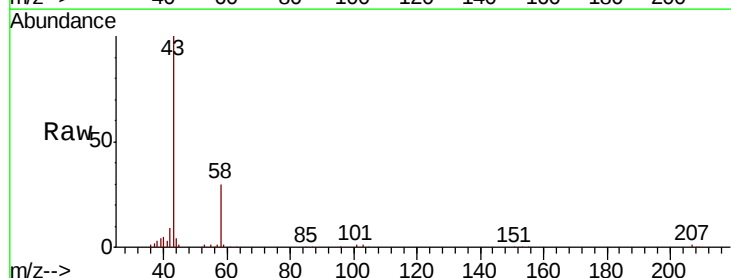
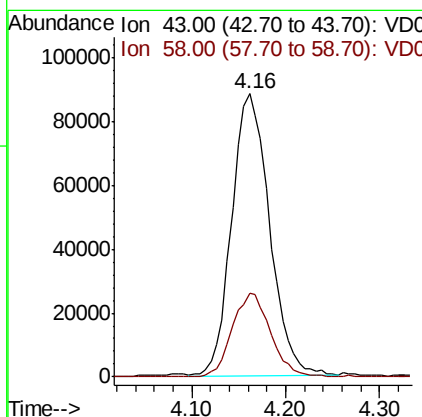
RT: 4.16 min Scan# 381

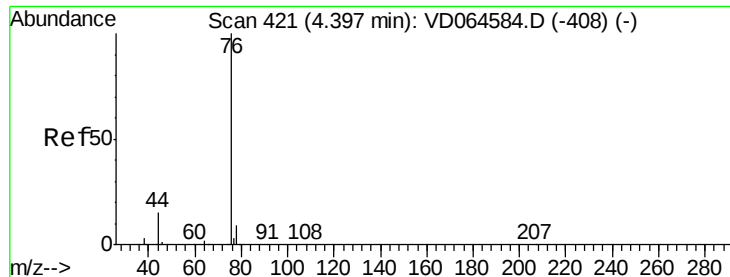
Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Tgt Ion:	43	Resp:	246551
Ion Ratio		Lower	Upper
43	100		
58	30.0	25.8	38.6





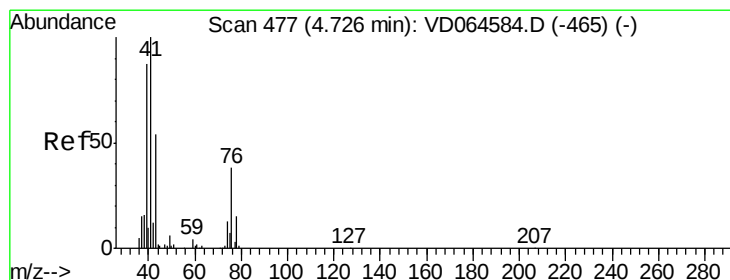
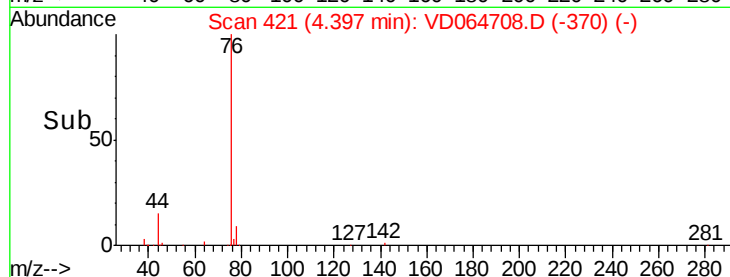
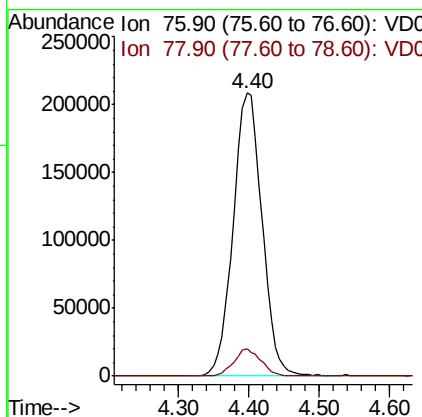
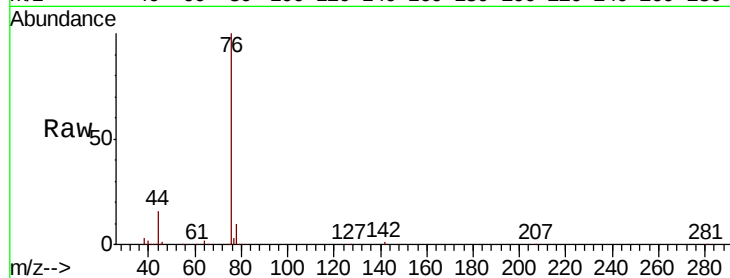
#17
Carbon Disulfide
Concen: 43.438 ug/l
RT: 4.40 min Scan# 421
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.3	10.9

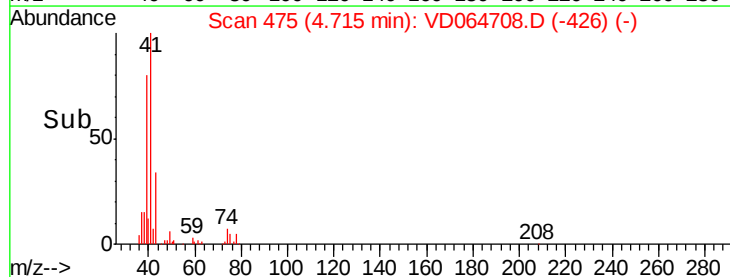
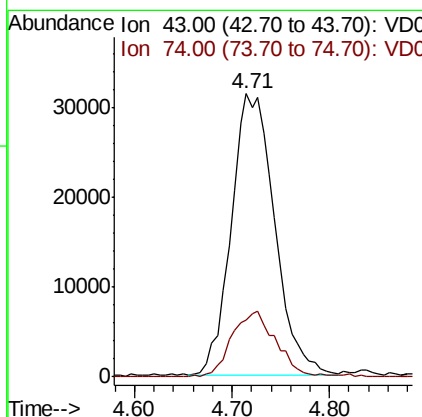
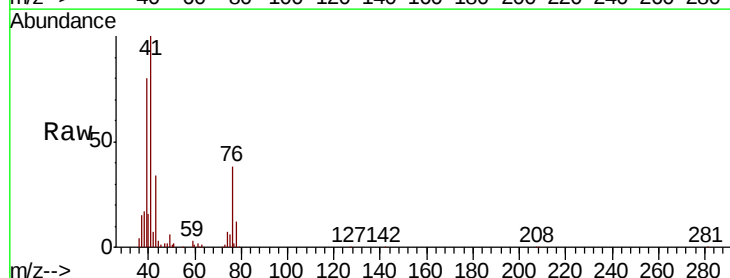
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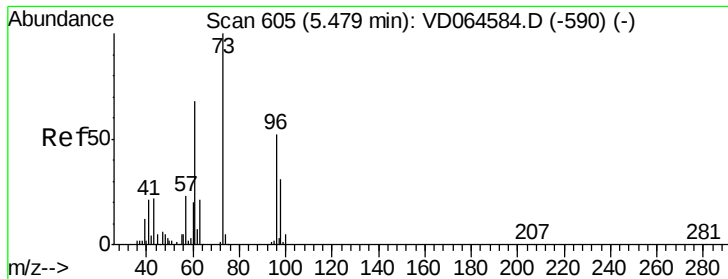
apatel
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#18
Methyl Acetate
Concen: 40.792 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	19.2	28.8





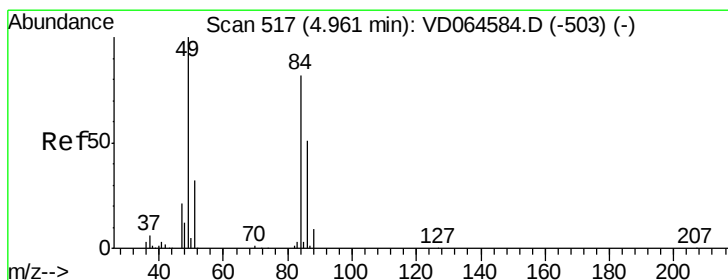
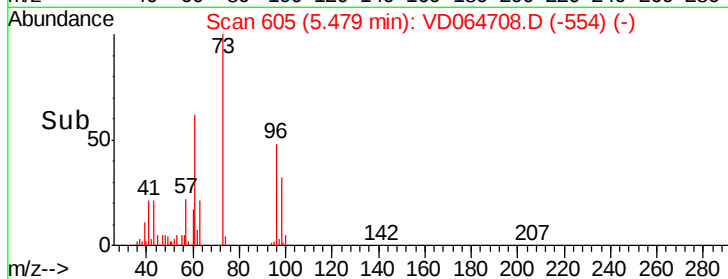
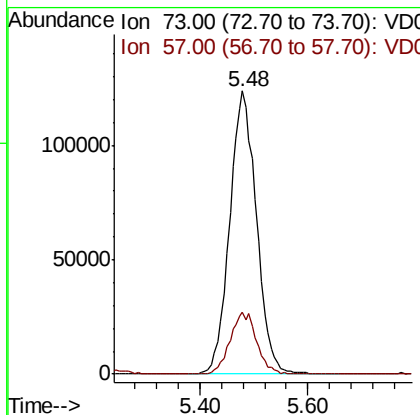
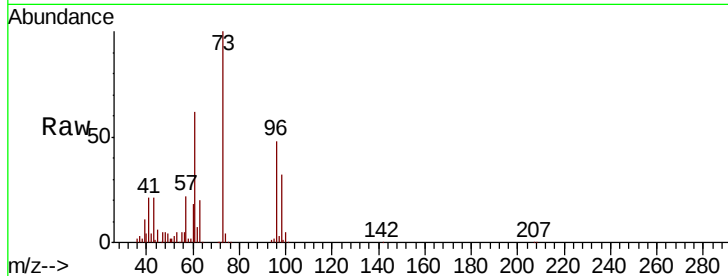
#19
Methvl tert-butvl Ether
Concen: 45.597 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.0	18.6	27.8

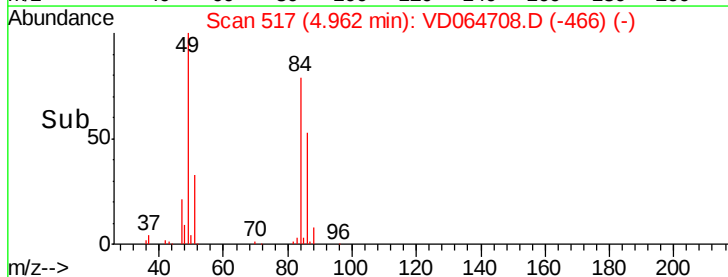
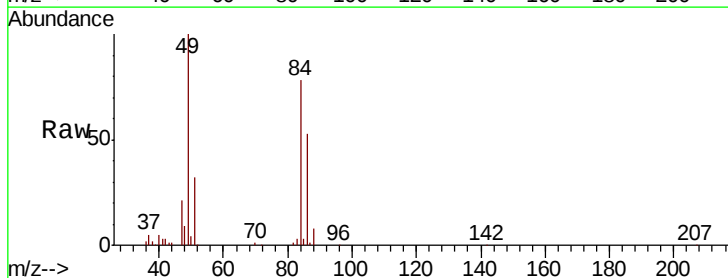
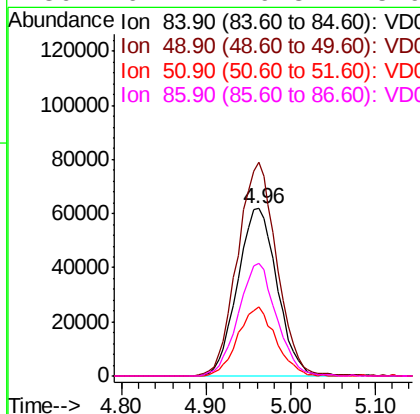
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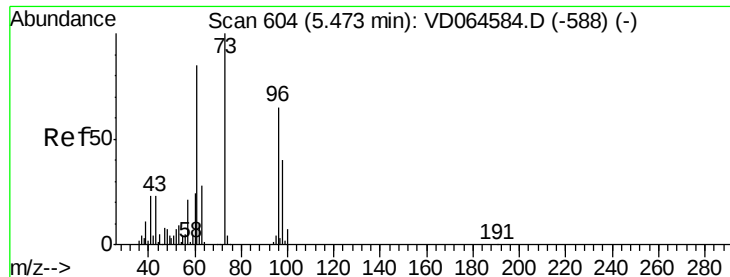
apatel
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#20
Methylene Chloride
Concen: 46.073 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
84	100		
49	127.7	97.2	145.8
51	41.4	31.4	47.0
86	67.1	49.3	73.9





#21

trans-1,2-Dichloroethene

Concen: 45.549 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

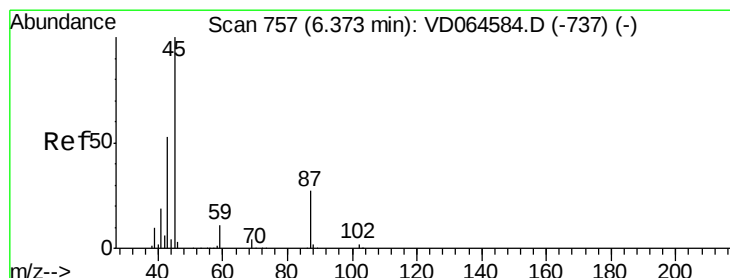
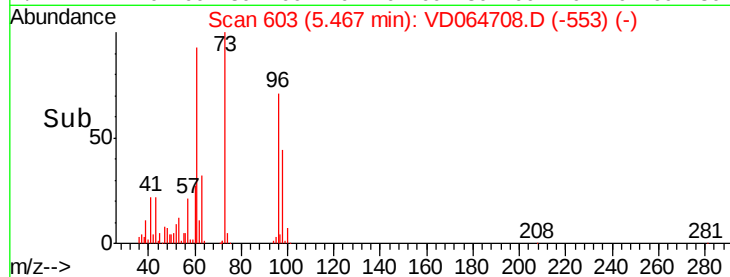
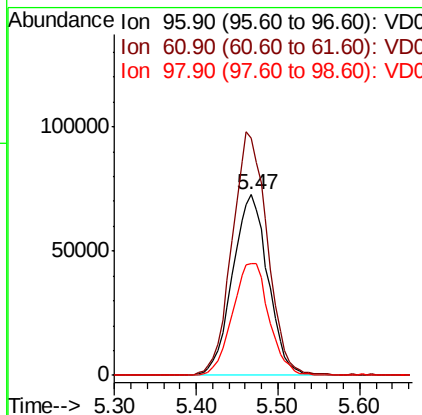
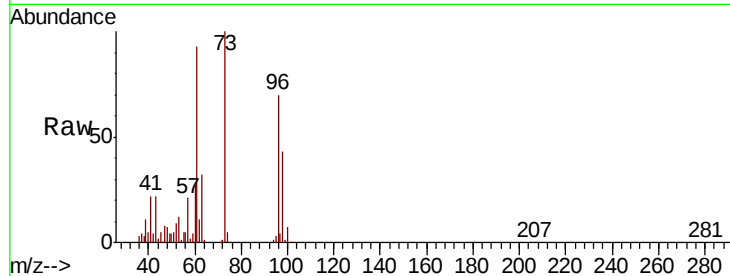
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	219587
Ion	Ratio	Lower	Upper
96	100		
61	131.5	104.7	157.1
98	61.4	49.4	74.2

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#22

Diisopropyl ether

Concen: 45.762 ug/l

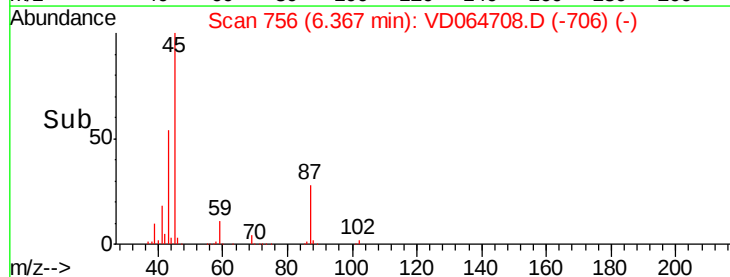
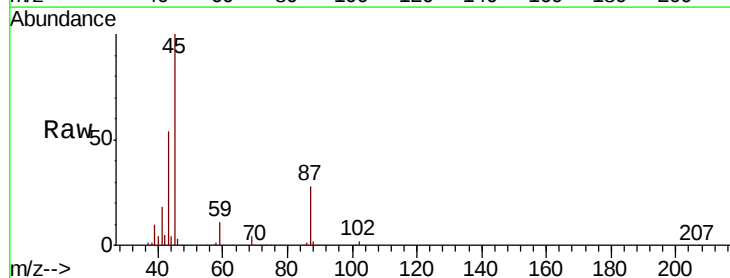
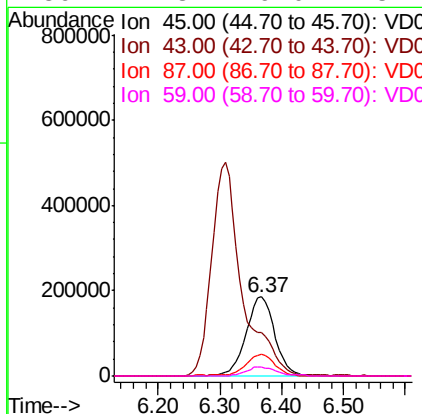
RT: 6.37 min Scan# 756

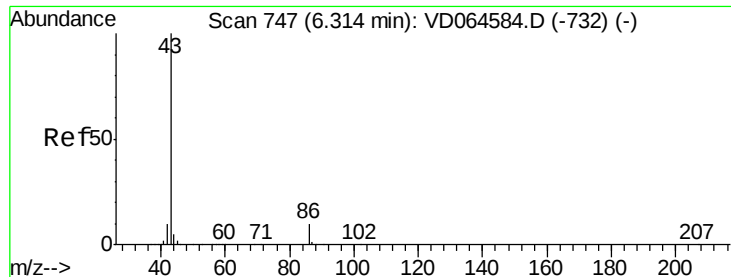
Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Tgt Ion:	45	Resp:	602414
Ion	Ratio	Lower	Upper
45	100		
43	53.3	43.2	64.8
87	28.1	21.9	32.9
59	11.3	9.0	13.4





#23

Vinyl Acetate

Concen: 228.651 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 1707451

Ion Ratio Lower Upper

43 100

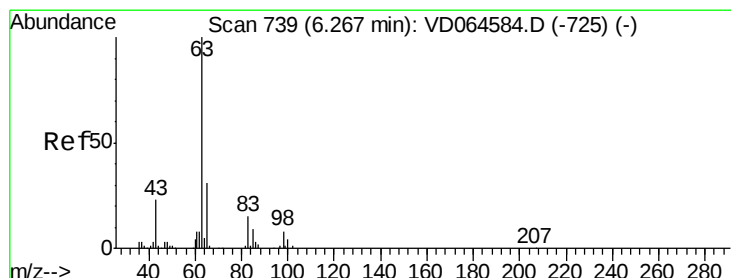
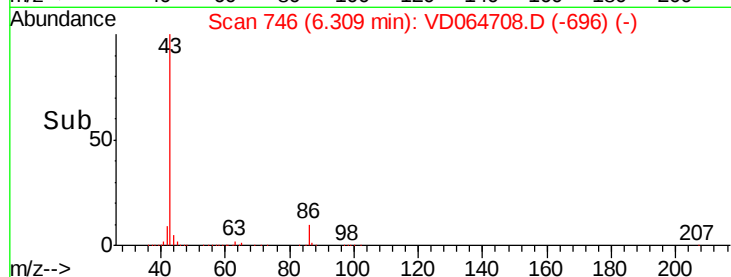
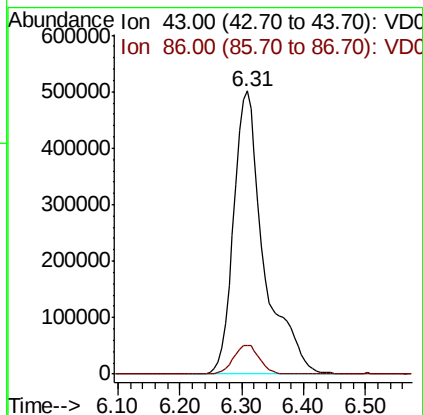
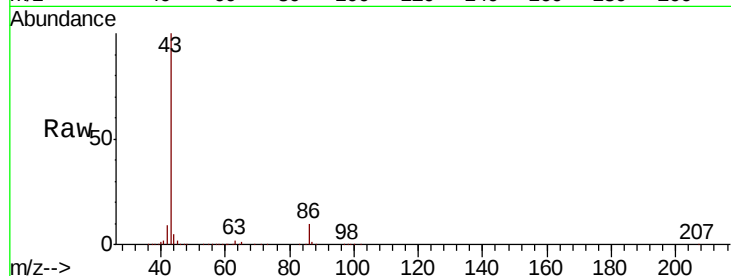
86 10.3 8.3 12.5

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#24

1,1-Dichloroethane

Concen: 46.534 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

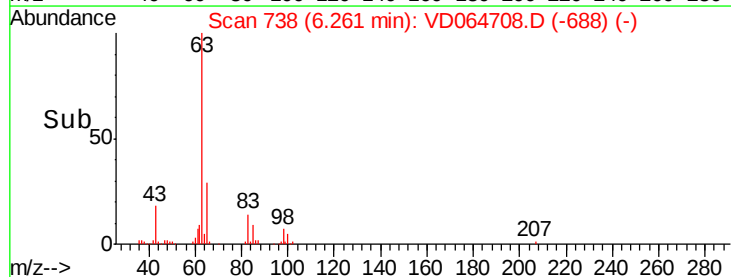
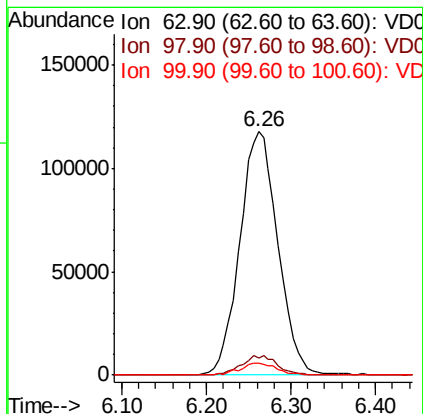
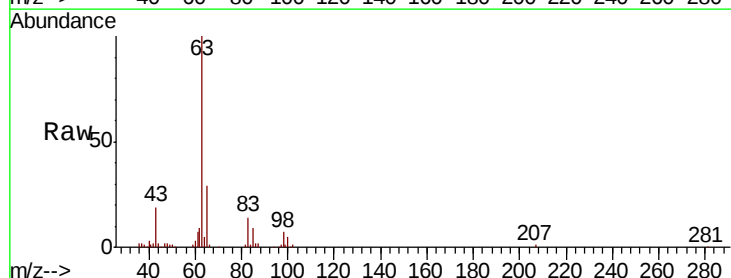
Tgt Ion: 63 Resp: 367755

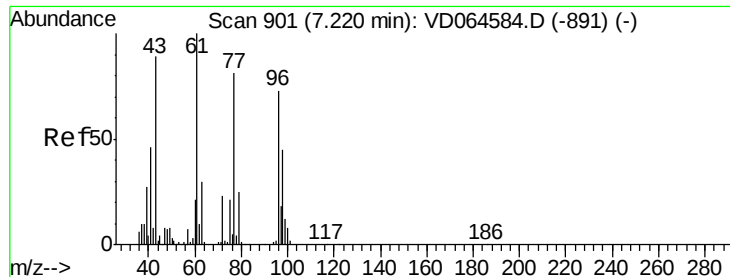
Ion Ratio Lower Upper

63 100

98 7.0 4.1 12.3

100 5.0 2.2 6.6





#25

2-Butanone

Concen: 228.551 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 266542

Ion Ratio Lower Upper

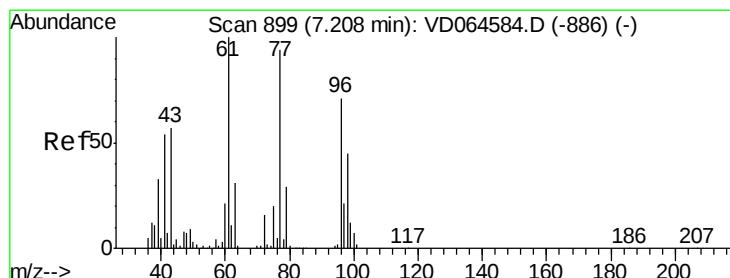
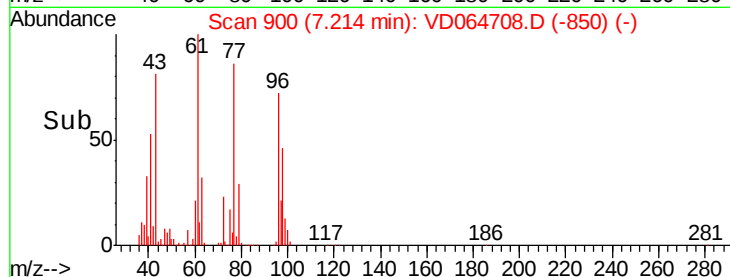
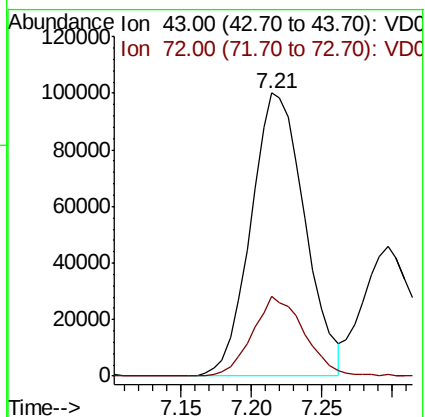
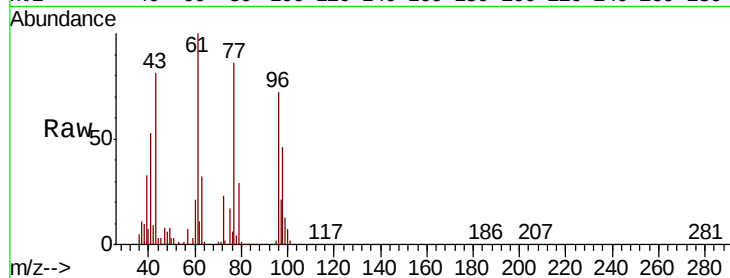
43 100

72 28.4 20.7 31.1

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#26

2,2-Dichloropropane

Concen: 46.835 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064708.D

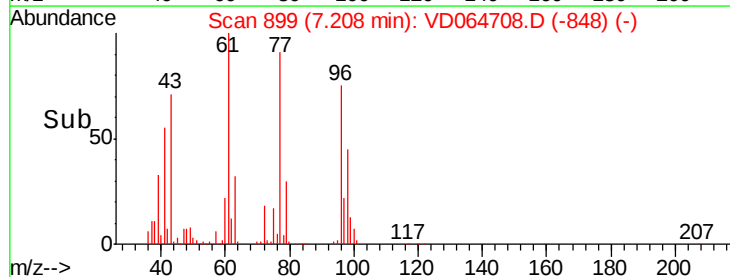
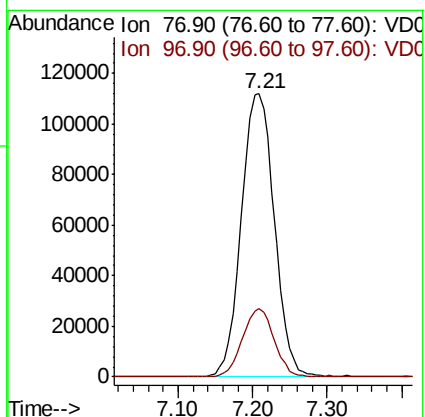
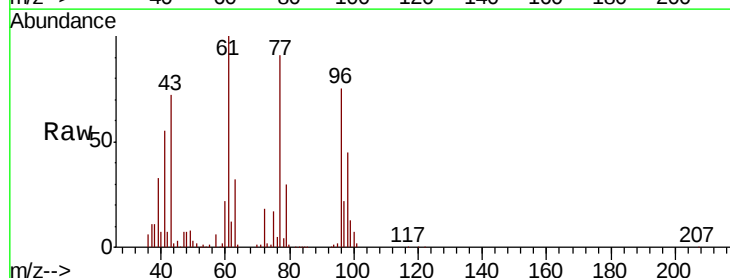
Acq: 02 Jan 2020 10:26

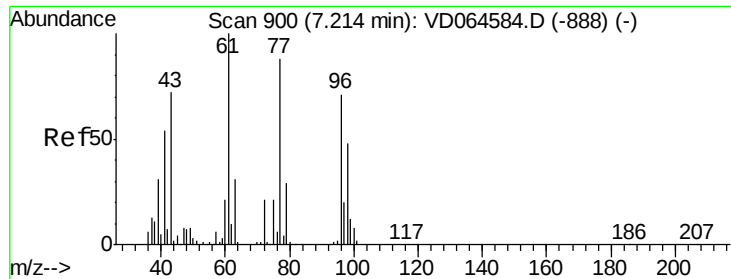
Tgt Ion: 77 Resp: 344131

Ion Ratio Lower Upper

77 100

97 23.0 11.2 33.6





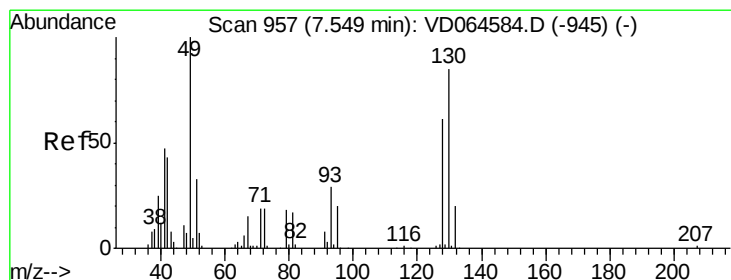
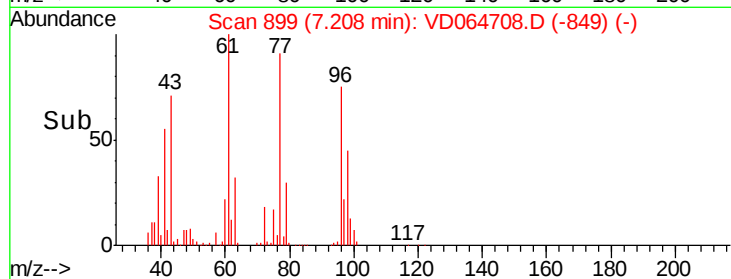
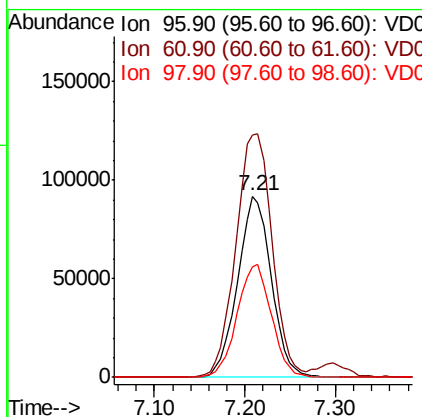
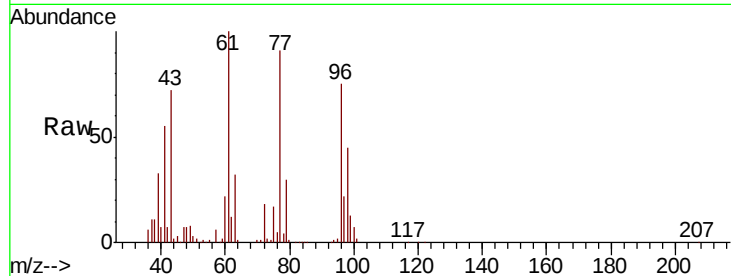
#27
 cis-1,2-Dichloroethene
 Concen: 45.629 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	282.6
98	63.3	0.0	130.8

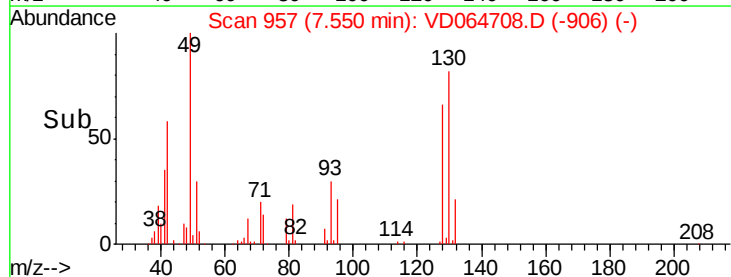
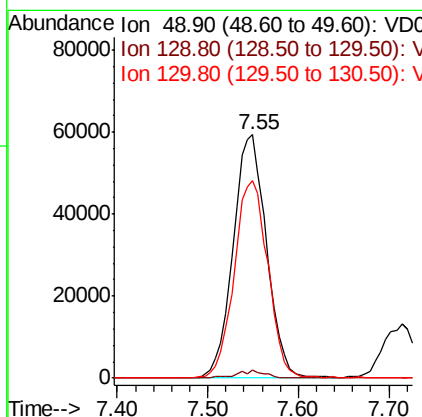
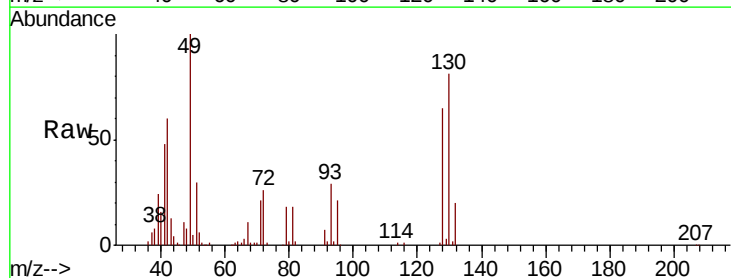
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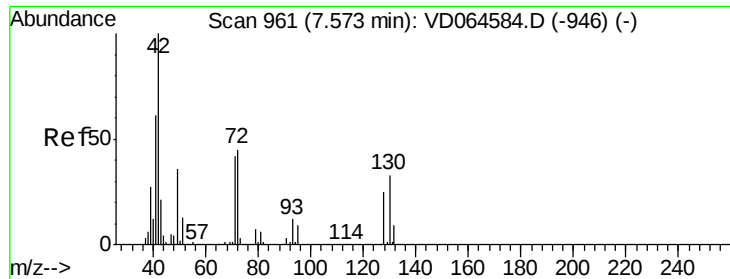
apatel
 1/3/2020 11:10:13 AM



#28
 Bromochloromethane
 Concen: 49.447 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.8
130	81.7	65.0	97.6





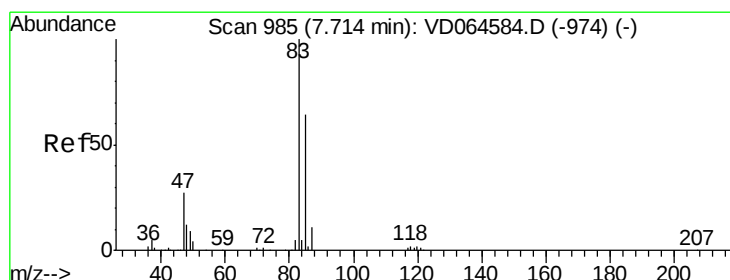
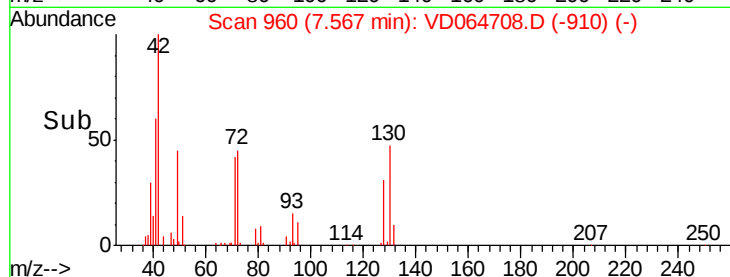
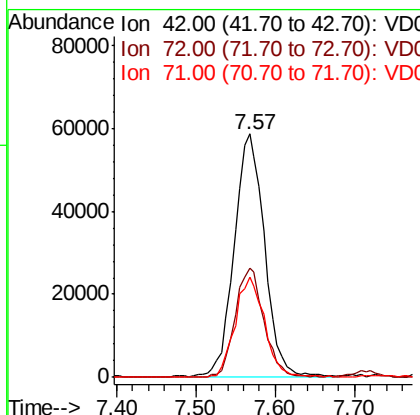
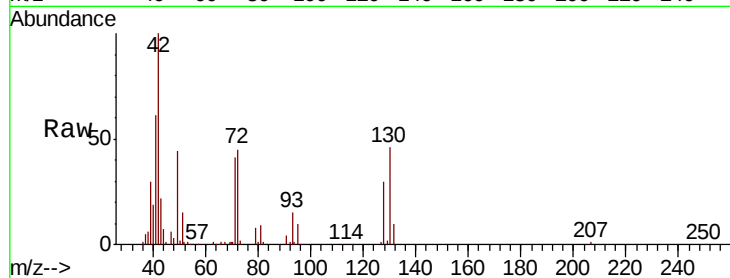
#29
Tetrahydrofuran
Concen: 215.327 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	156165		
72	42.5		35.0	52.4
71	39.6		32.9	49.3

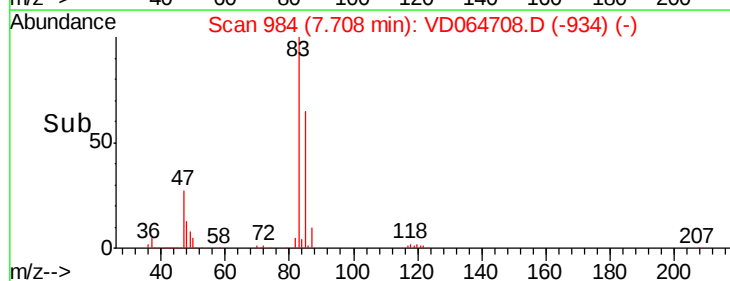
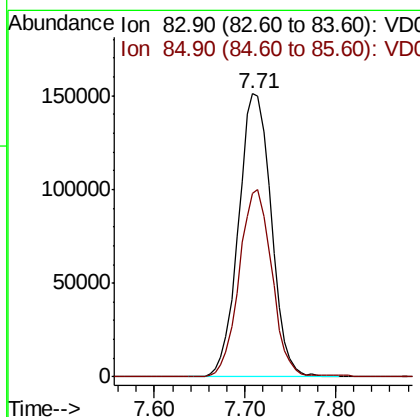
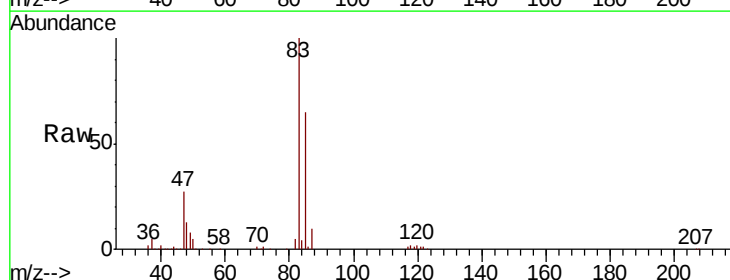
Manual Integrations
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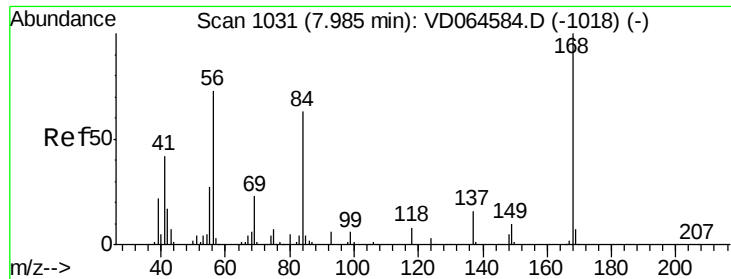
apatel
1/3/2020 11:10:13 AM



#30
Chloroform
Concen: 45.825 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	379955		
85	64.9		51.1	76.7





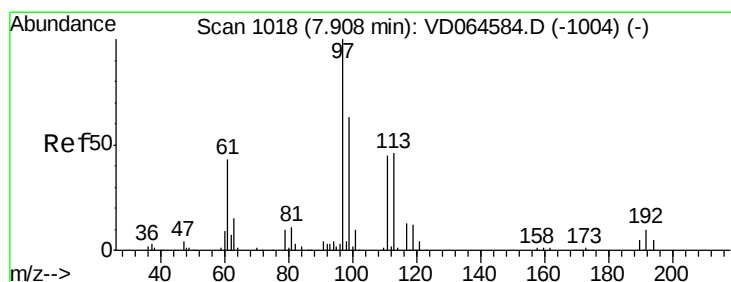
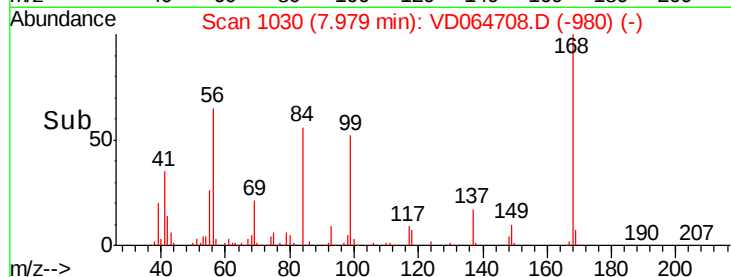
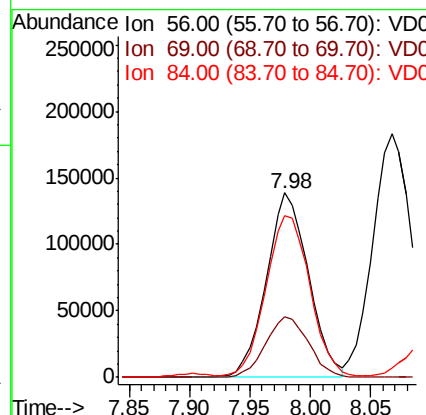
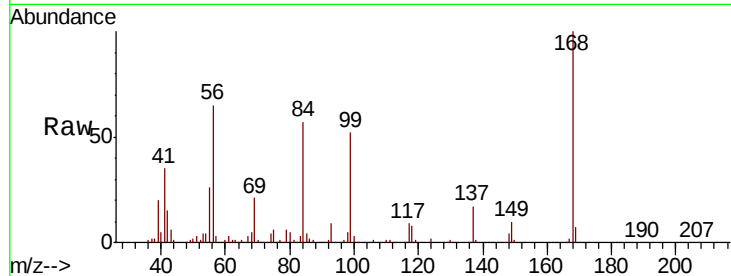
#31
Cyclohexane
Concen: 42.451 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.9	24.7	37.1
84	85.4	69.4	104.2

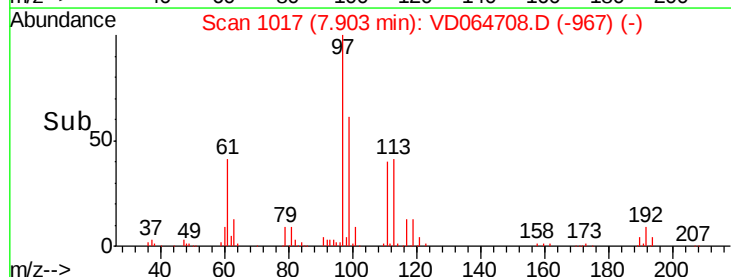
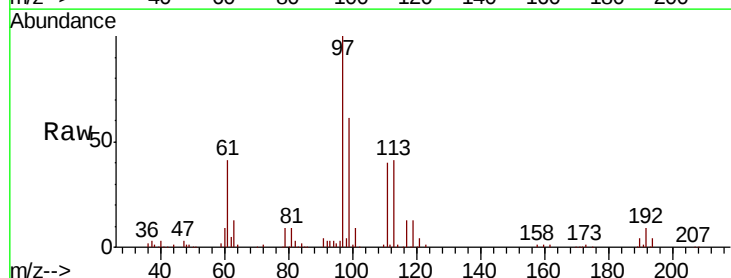
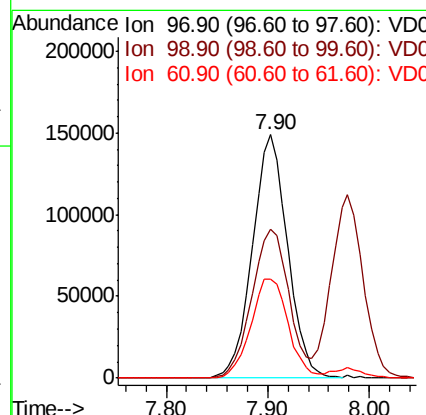
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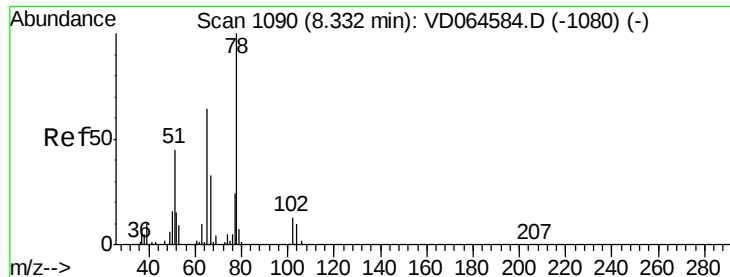
apatel
1/3/2020 11:10:13 AM



#32
1,1,1-Trichloroethane
Concen: 46.133 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.3	51.0	76.6
61	43.4	35.4	53.0





#33

1,2-Dichloroethane-d4

Concen: 47.191 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 200217

Ion Ratio Lower Upper

65 100

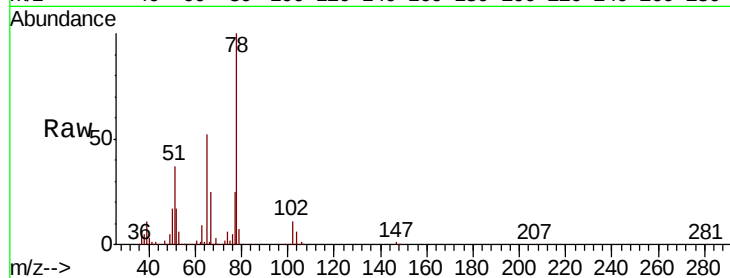
67 50.7 0.0 106.2

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

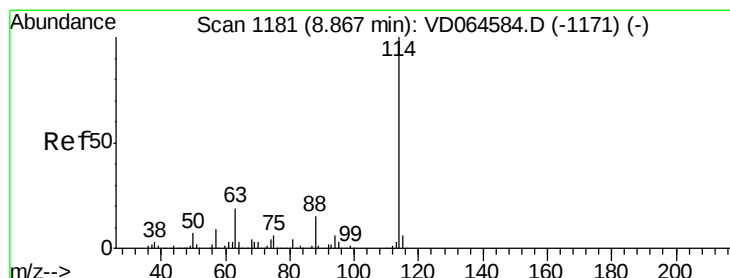
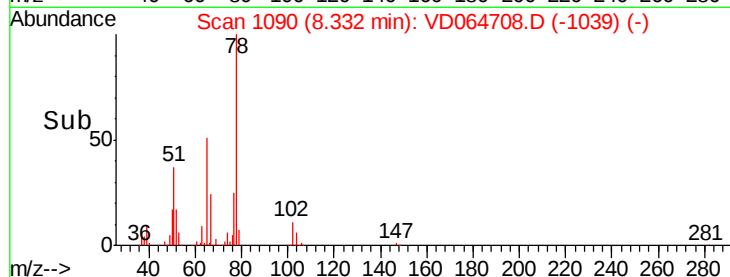
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

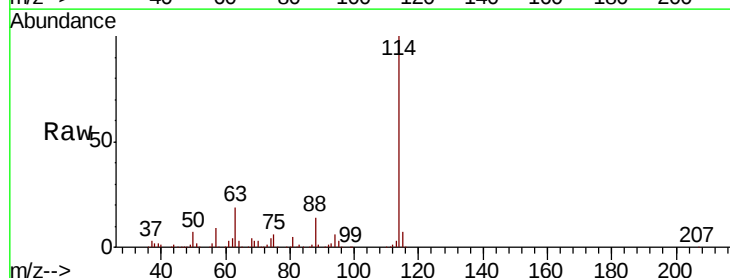
Tgt Ion: 114 Resp: 686479

Ion Ratio Lower Upper

114 100

63 18.8 0.0 38.0

88 14.1 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

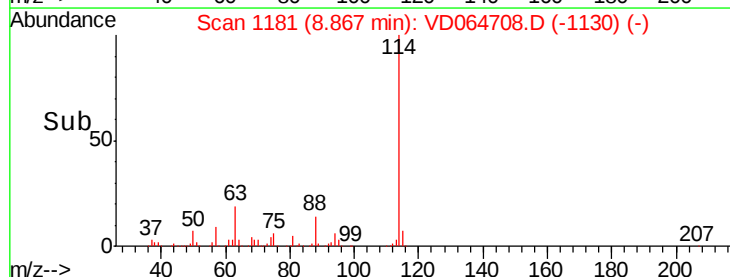
300000

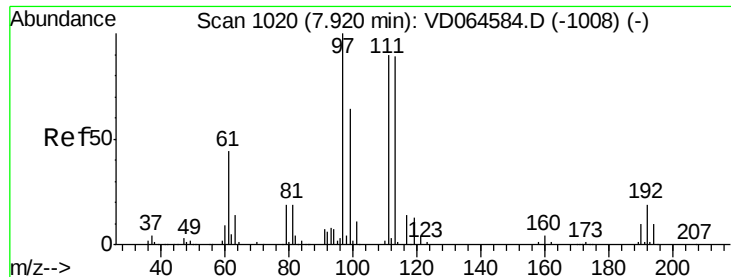
200000

100000

0

Time-->





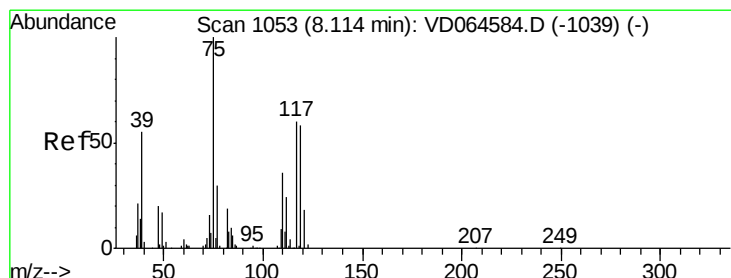
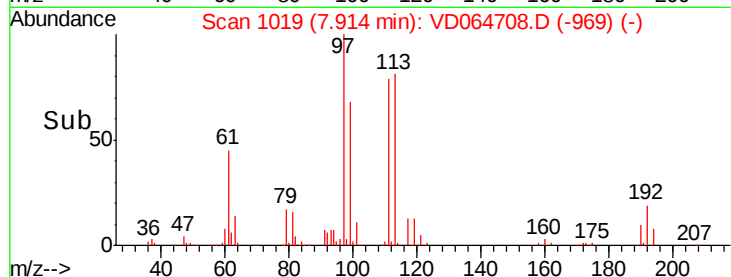
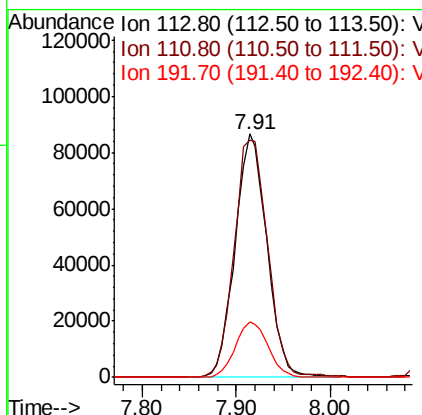
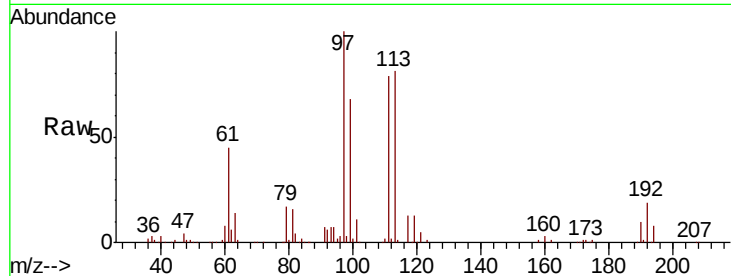
#35
 Dibromofluoromethane
 Concen: 48.191 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	202963		
111	103.0	80.6	121.0	
192	23.5	17.9	26.9	

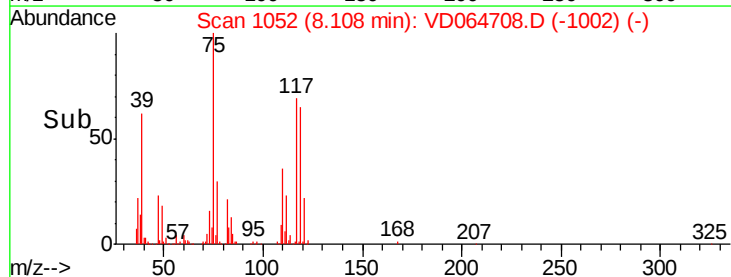
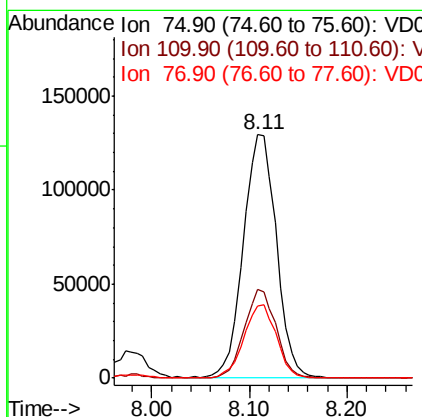
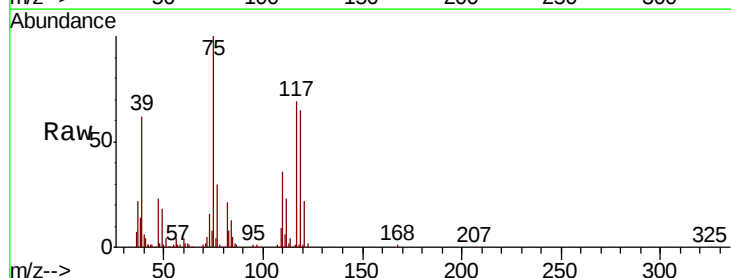
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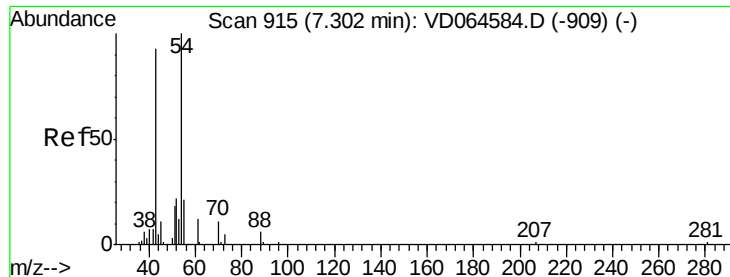
apatel
 1/3/2020 11:10:13 AM



#36
 1,1-Dichloropropene
 Concen: 46.147 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	304911		
110	35.2	18.1	54.1	
77	30.1	24.2	36.4	





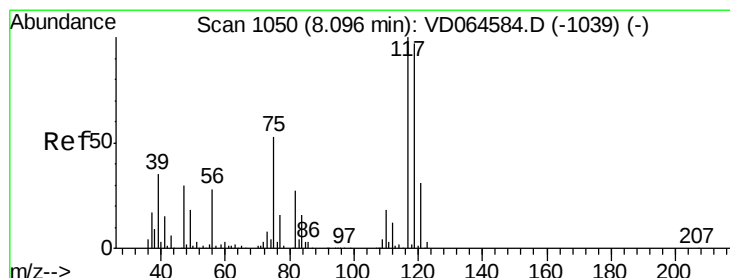
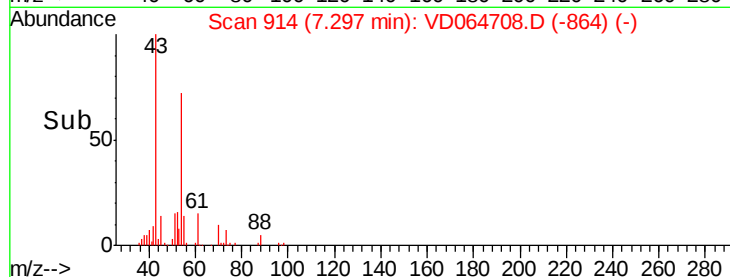
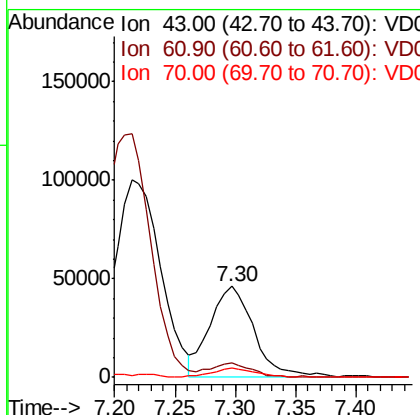
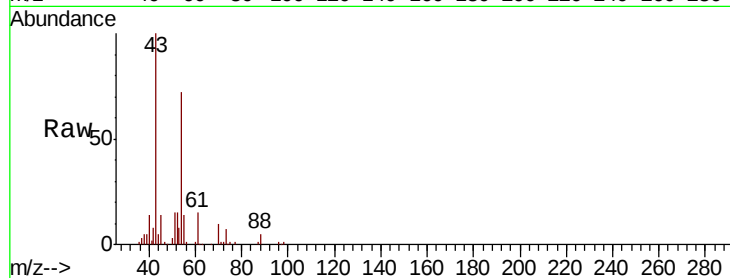
#37
Ethyl Acetate
Concen: 44.177 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.3	15.5
70	10.3	7.6	11.4

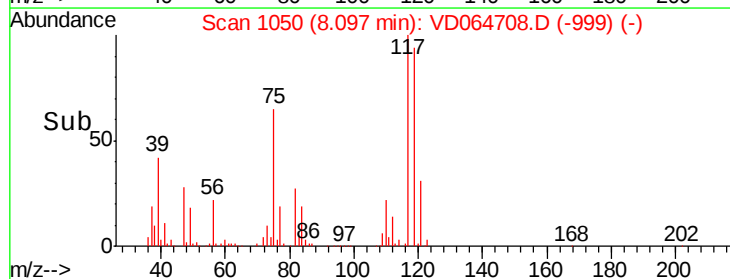
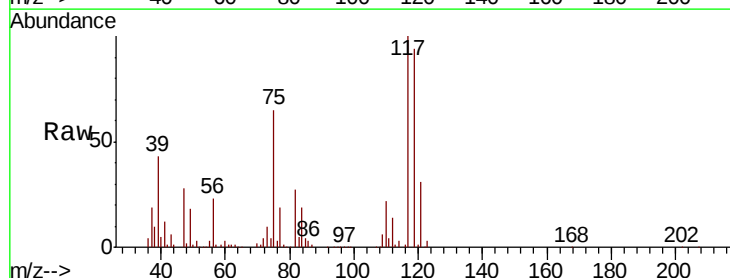
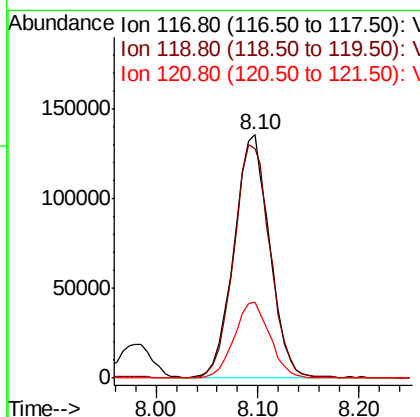
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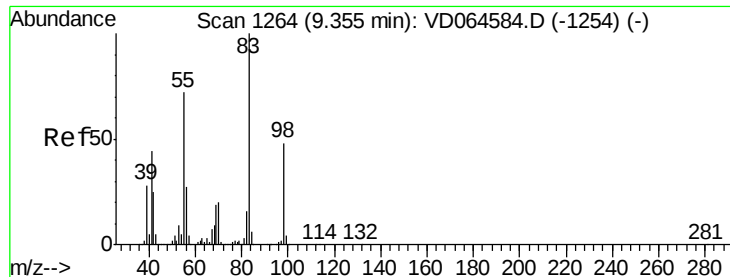
apatel
1/3/2020 11:10:13 AM



#38
Carbon Tetrachloride
Concen: 46.570 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.3	115.9
121	31.3	25.0	37.6





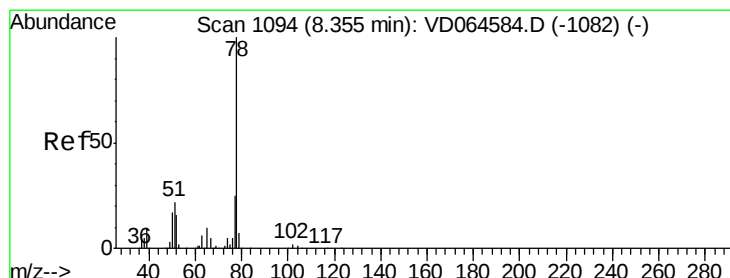
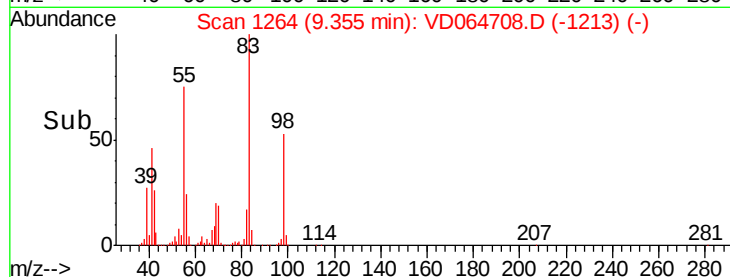
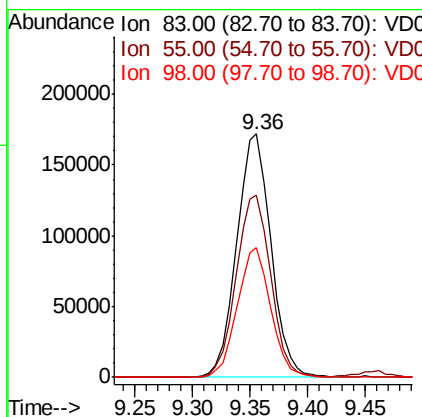
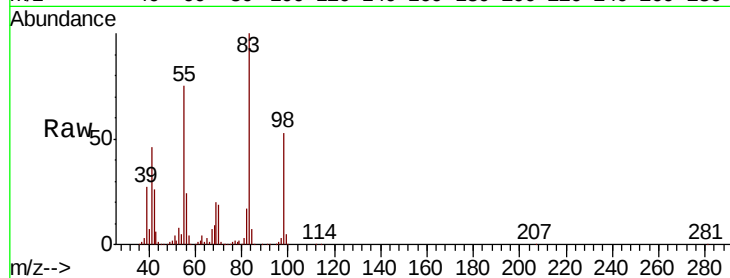
#39
Methvlcvclohexane
Concen: 44.363 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	57.8	86.6
98	53.2	38.7	58.1

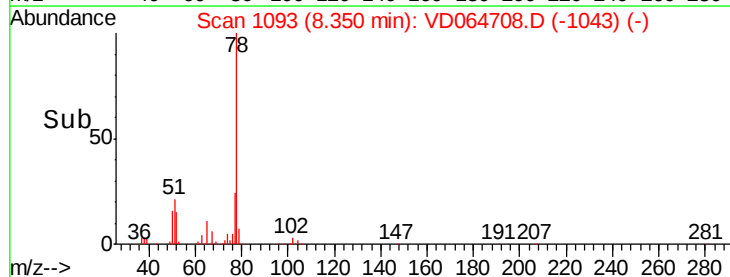
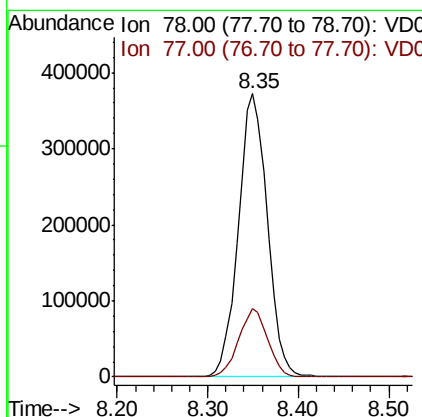
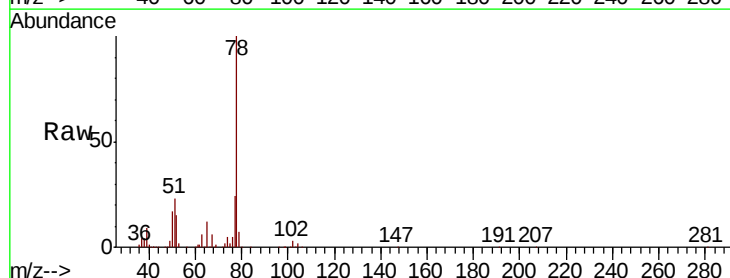
Manual Integrations
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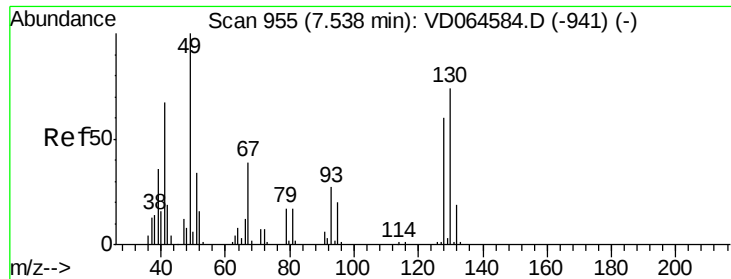
apatel
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#40
Benzene
Concen: 45.773 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.9	29.9





#41

Methacrylonitrile

Concen: 40.795 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 61439

Ion Ratio Lower Upper

41 100

39 73.3 46.7 70.1#

67 77.0 52.5 78.7

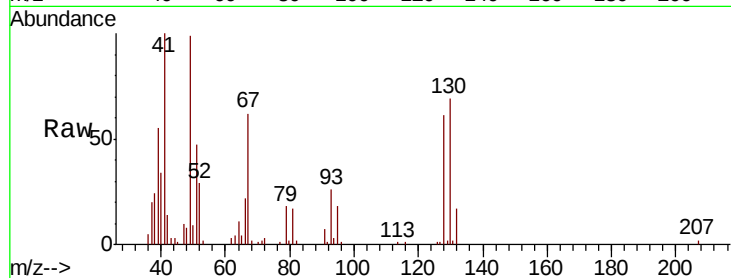
52 35.8 24.1 36.1

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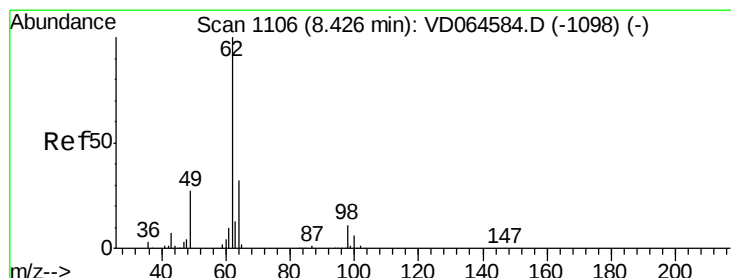
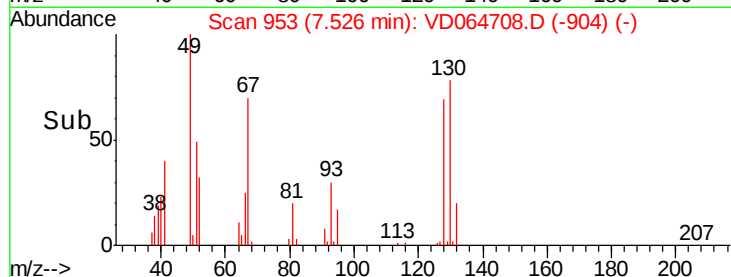
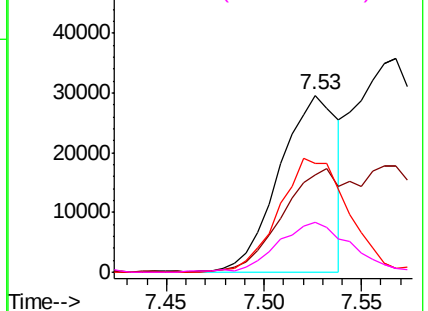


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 45.835 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD064708.D

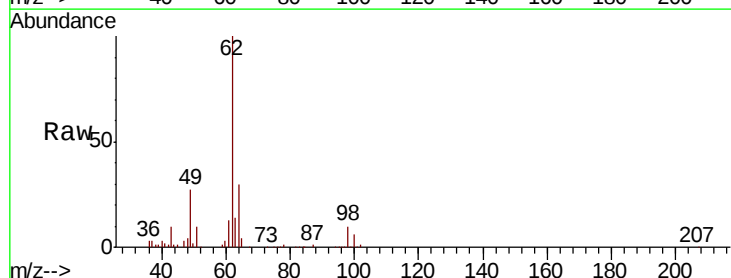
Acq: 02 Jan 2020 10:26

Tgt Ion: 62 Resp: 238909

Ion Ratio Lower Upper

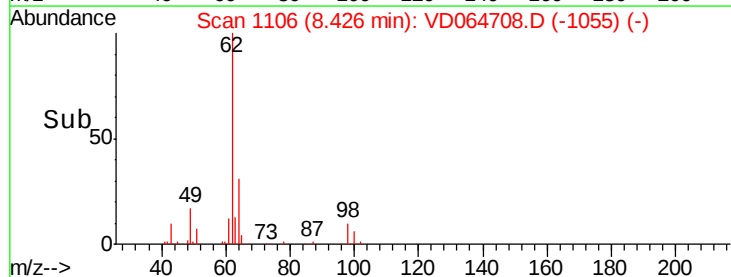
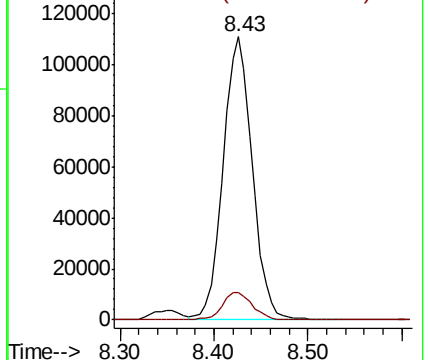
62 100

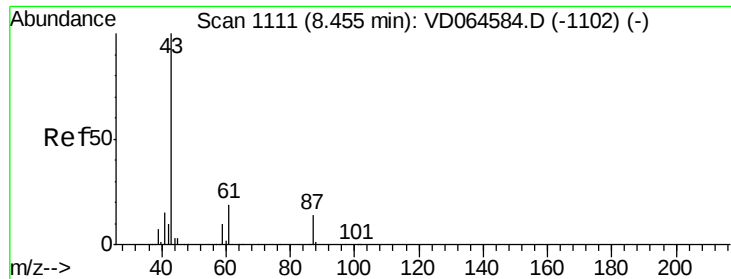
98 9.8 0.0 20.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





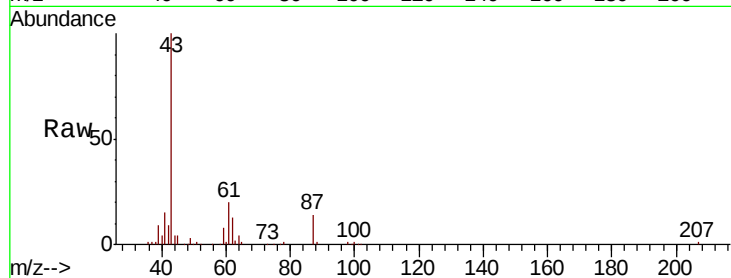
#43
Isopropyl Acetate
Concen: 43.697 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

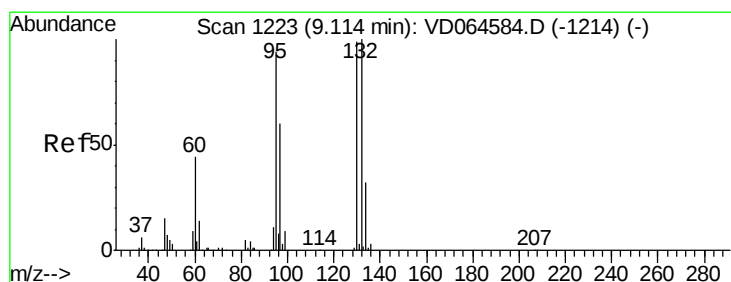
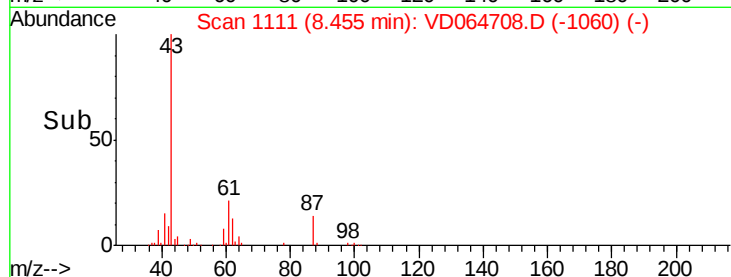
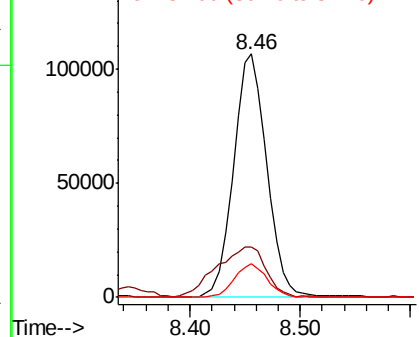
Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.7	35.5
87	13.5	10.5	15.7

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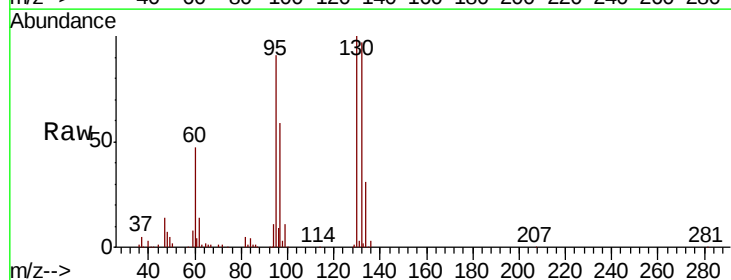


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC

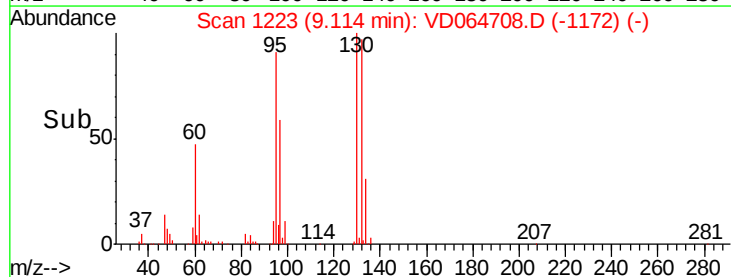
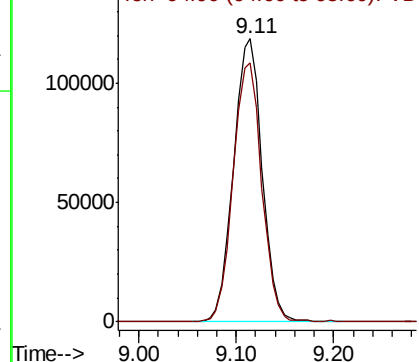


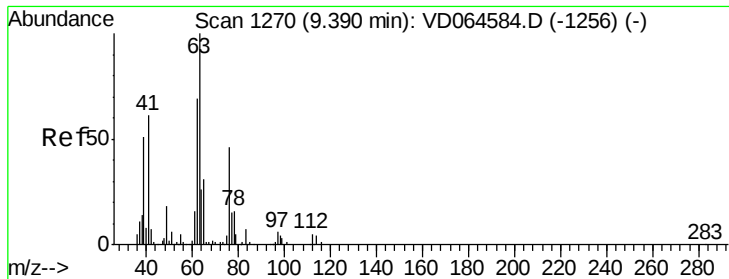
#44
Trichloroethene
Concen: 45.619 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.3	0.0	190.2



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 46.645 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 200882

Ion Ratio Lower Upper

63 100

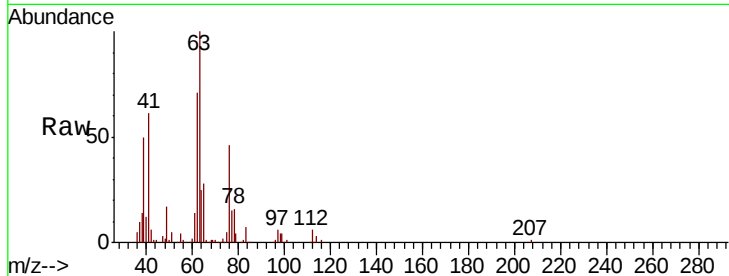
65 28.2 25.2 37.8

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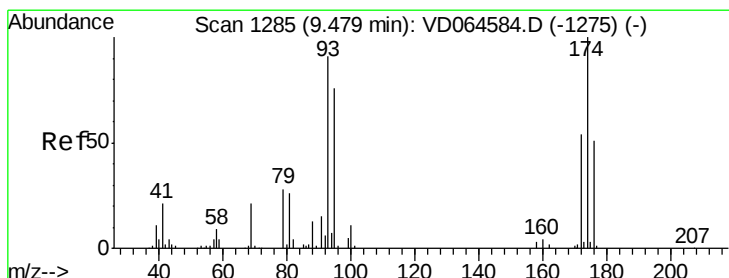
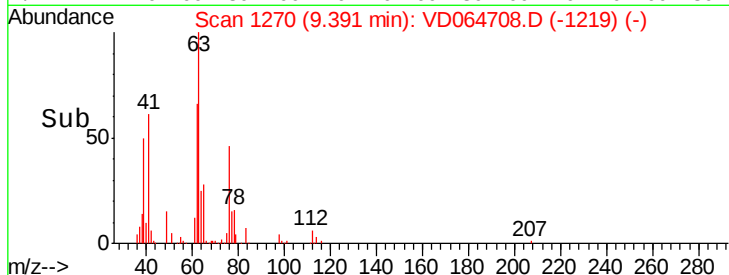
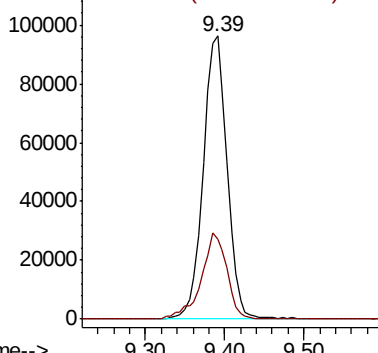
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 43.400 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

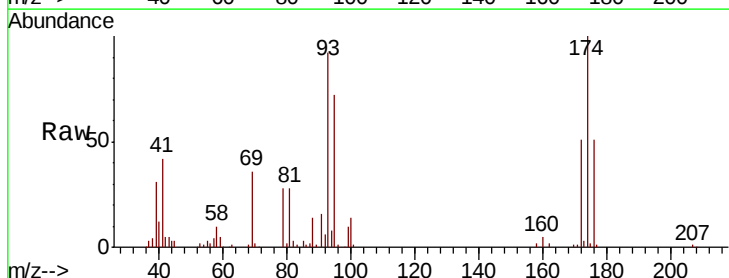
Tgt Ion: 93 Resp: 104207

Ion Ratio Lower Upper

93 100

95 83.3 64.6 97.0

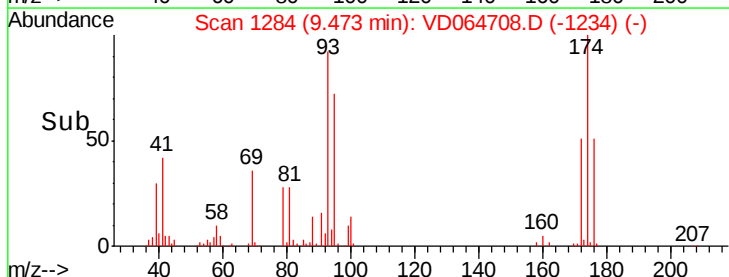
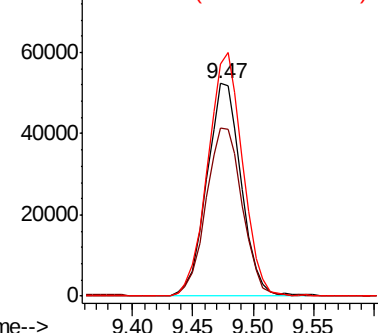
174 115.5 88.1 132.1

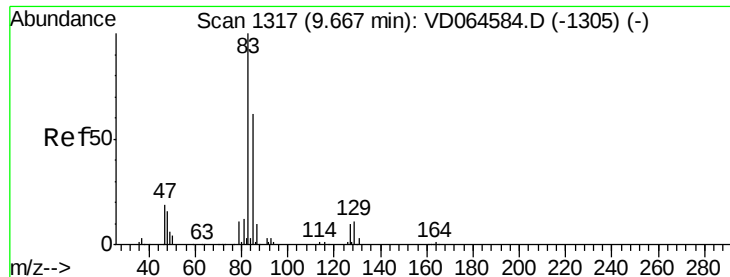


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 45.629 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

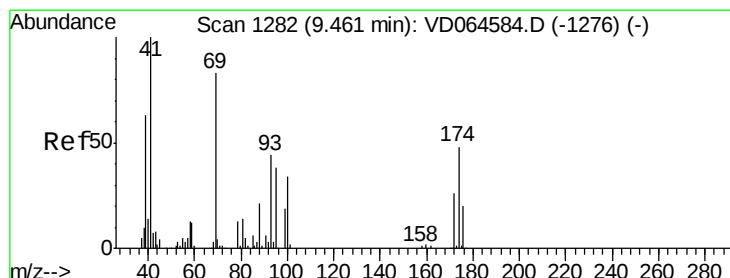
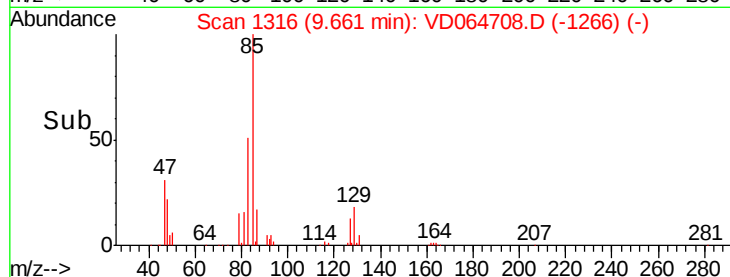
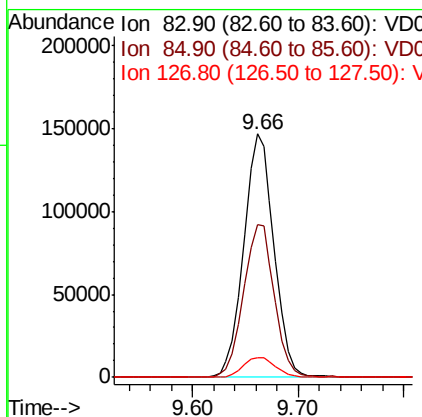
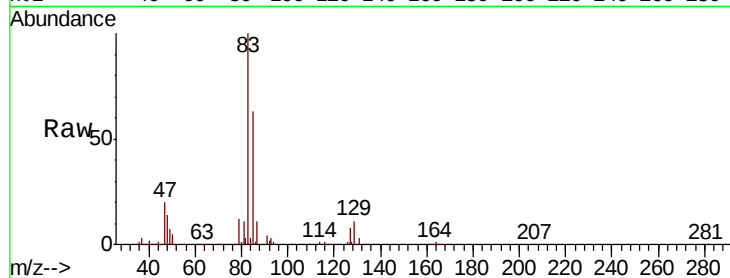
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	291535
Ion	Ratio	Lower	Upper
83	100		
85	62.7	49.5	74.3
127	8.2	7.8	11.6

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#48

Methyl methacrylate

Concen: 41.970 ug/l

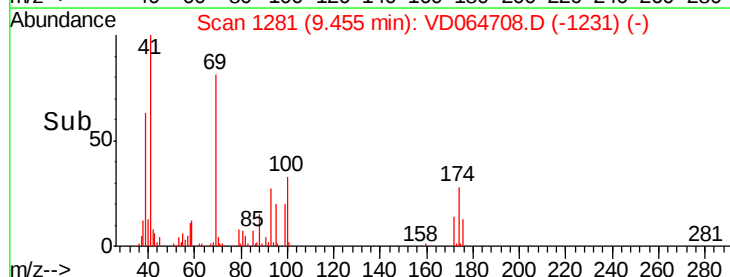
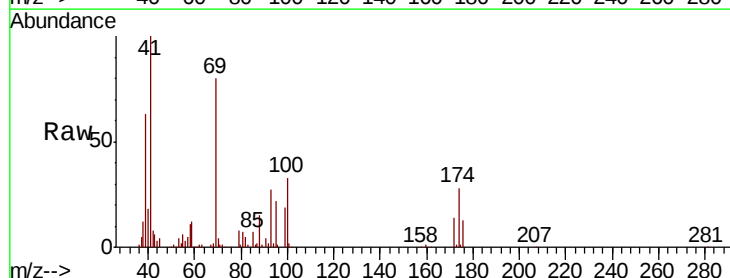
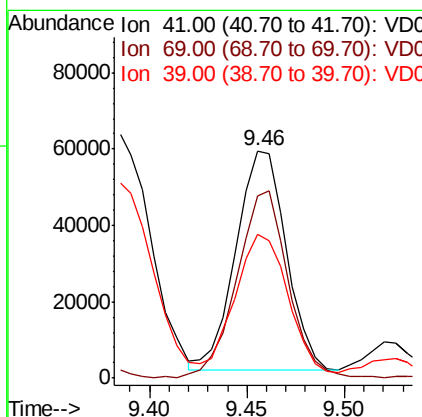
RT: 9.46 min Scan# 1281

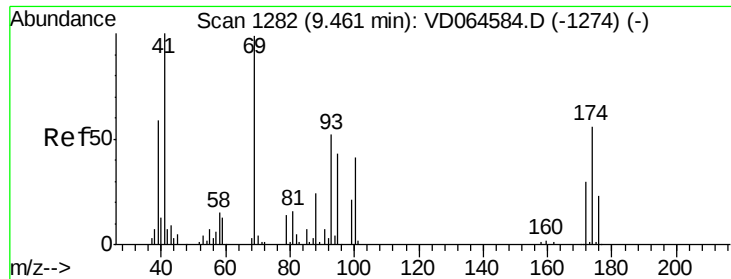
Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Tgt Ion:	41	Resp:	102099
Ion	Ratio	Lower	Upper
41	100		
69	87.2	63.0	94.6
39	66.2	47.4	71.2





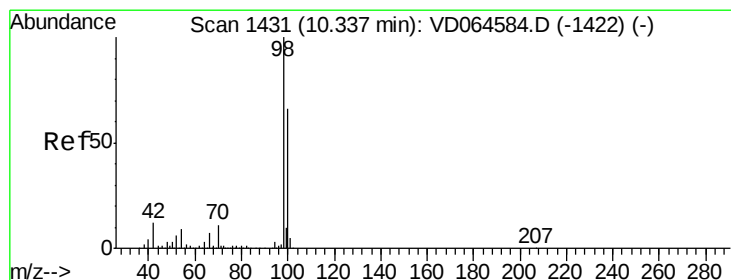
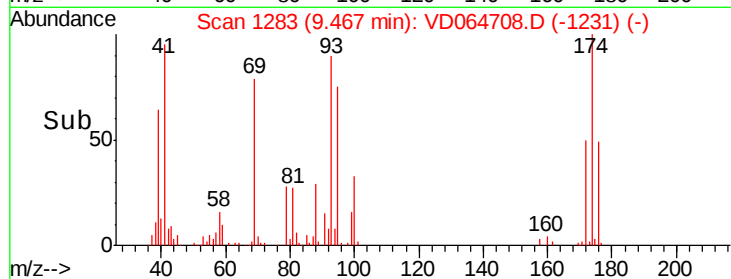
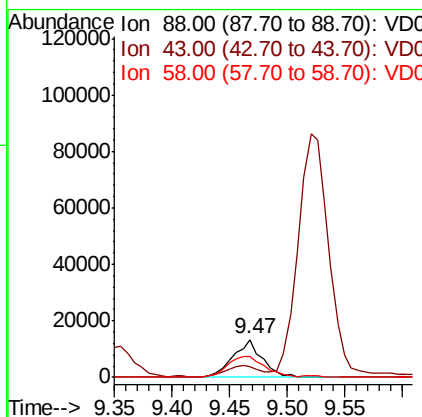
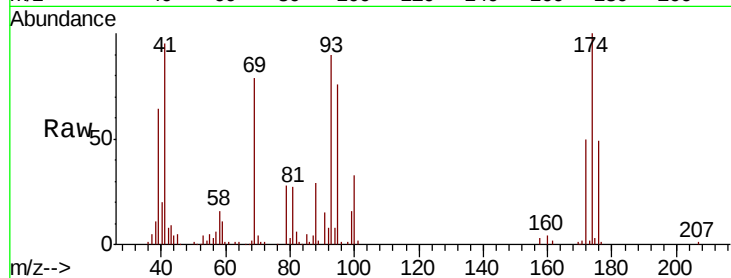
#49
1,4-Dioxane
Concen: 857.824 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.4	27.7	41.5
58	69.1	53.8	80.6

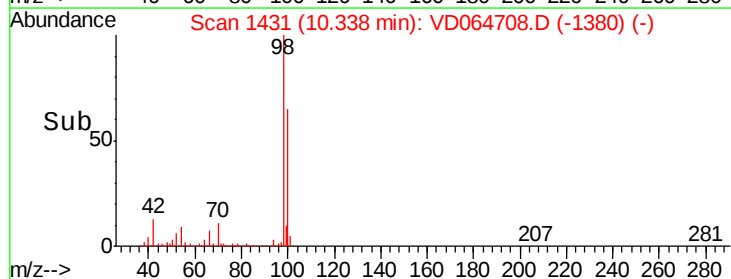
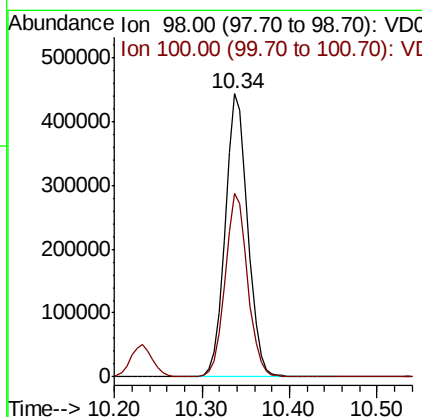
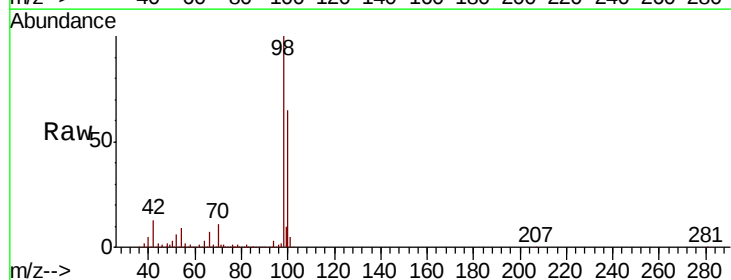
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#50
Toluene-d8
Concen: 48.540 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 218.893 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 558988

Ion Ratio Lower Upper

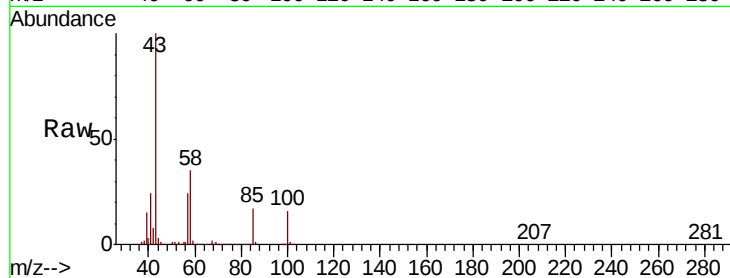
43 100

58 36.8 30.2 45.2

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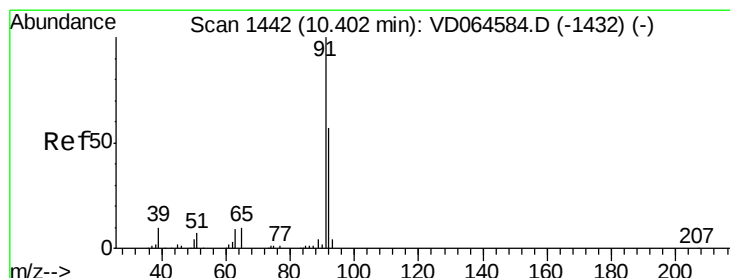
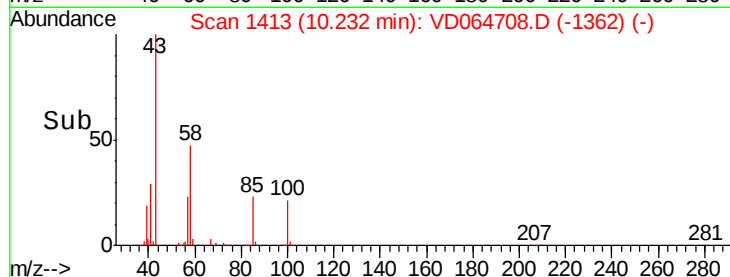
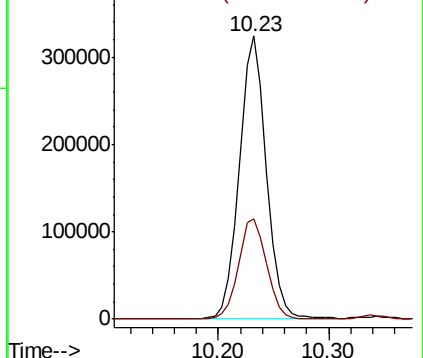
apatel

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 45.473 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD064708.D

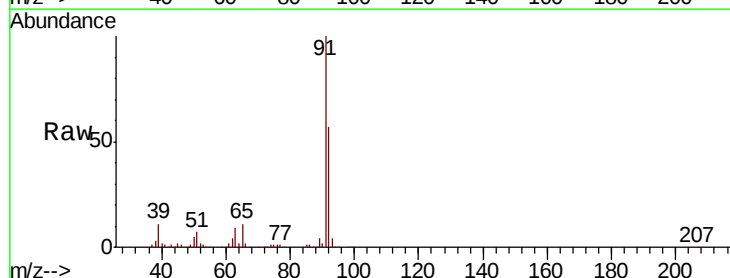
Acq: 02 Jan 2020 10:26

Tgt Ion: 92 Resp: 538126

Ion Ratio Lower Upper

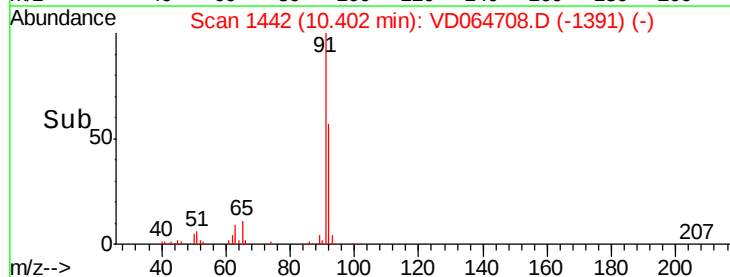
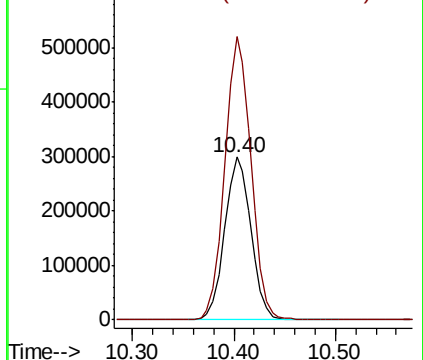
92 100

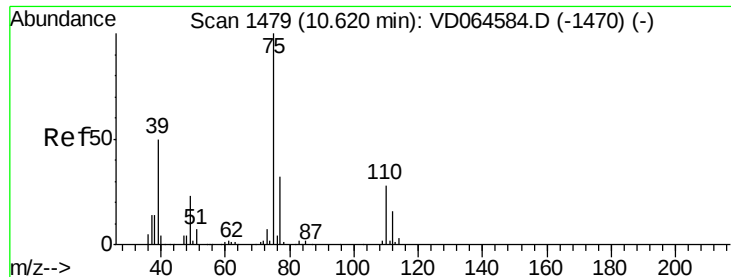
91 173.4 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





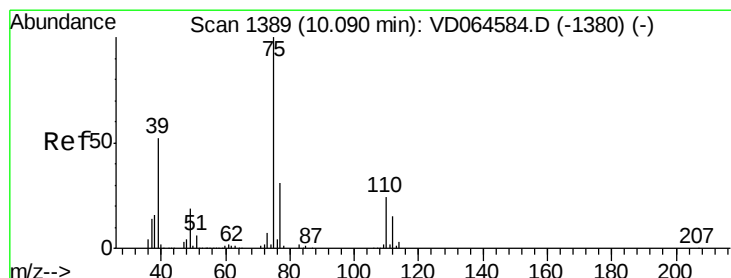
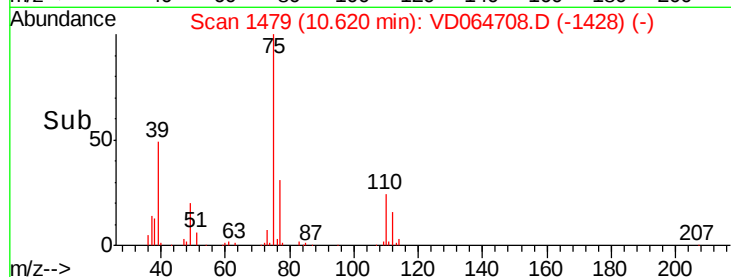
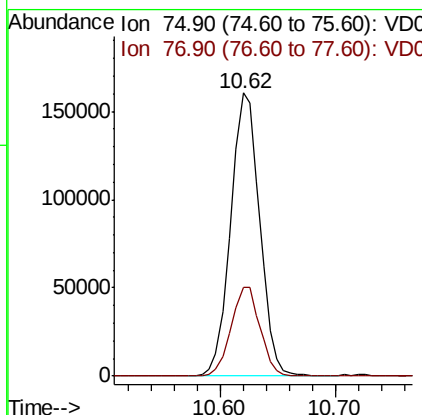
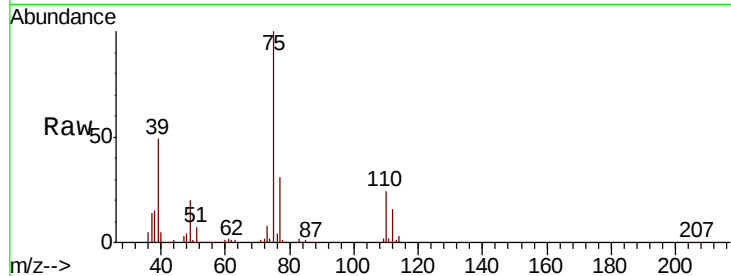
#53
t-1,3-Dichloropropene
Concen: 47.016 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 280066
Ion Ratio Lower Upper
75 100
77 31.2 25.4 38.2

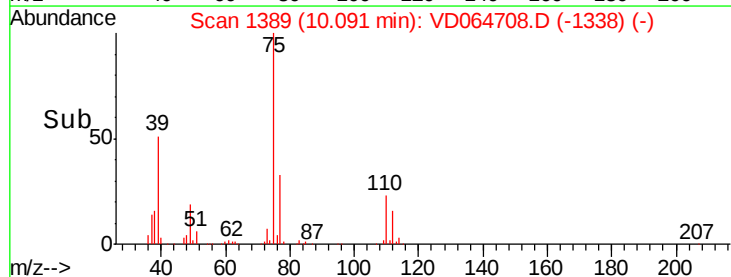
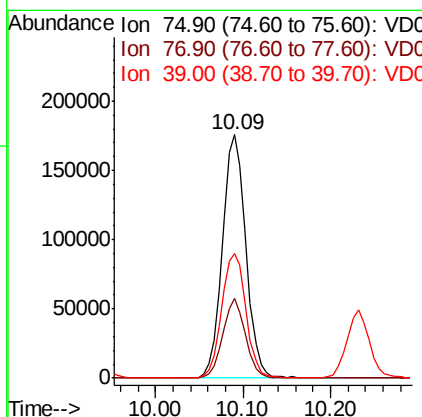
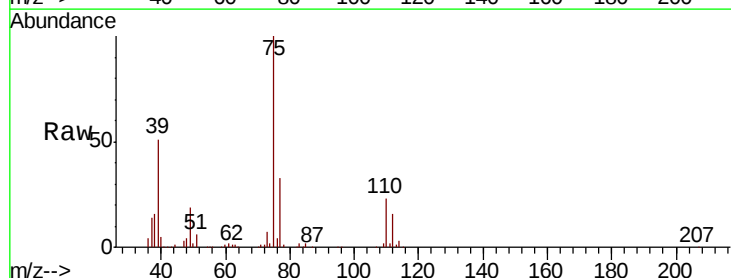
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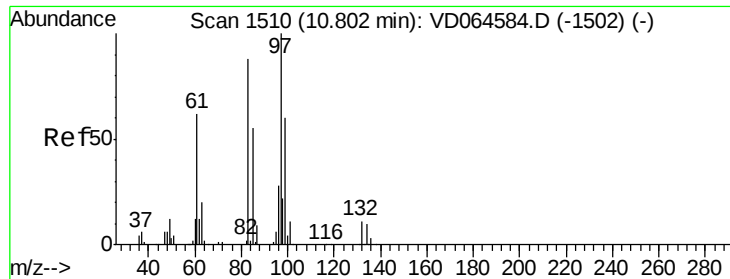
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#54
cis-1,3-Dichloropropene
Concen: 46.317 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 75 Resp: 325328
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8
39 50.9 41.4 62.2





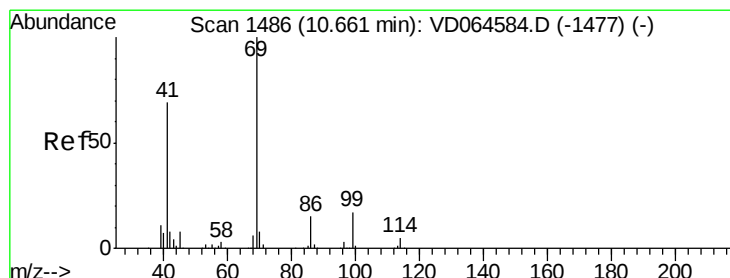
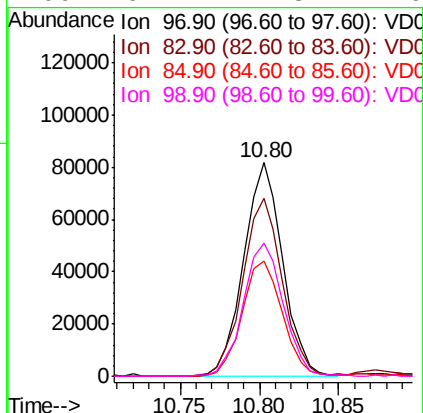
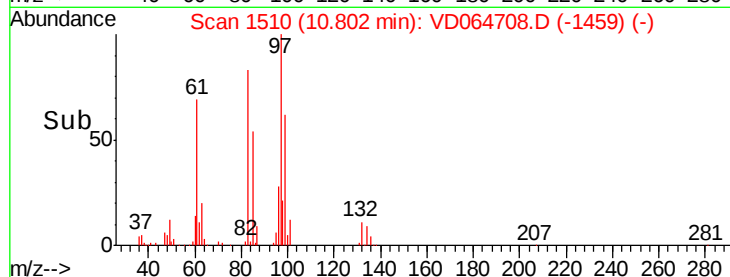
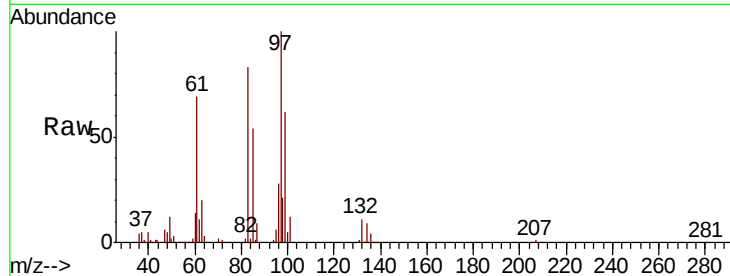
#55
 1,1,2-Trichloroethane
 Concen: 43.392 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
97	100		
83	83.4	70.2	105.4
85	54.1	44.0	66.0
99	62.2	47.8	71.6

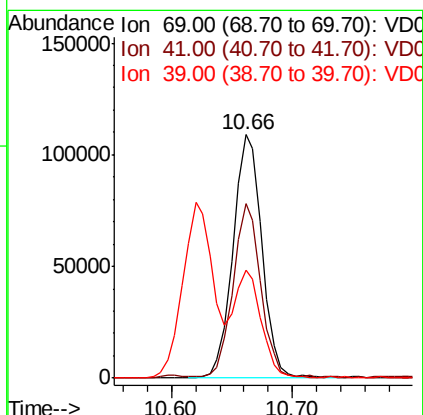
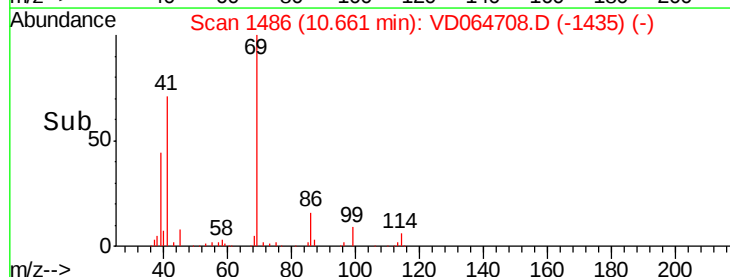
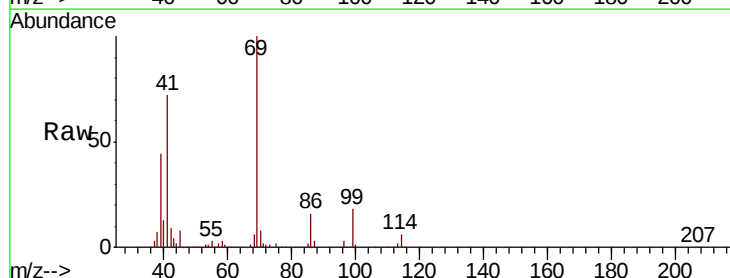
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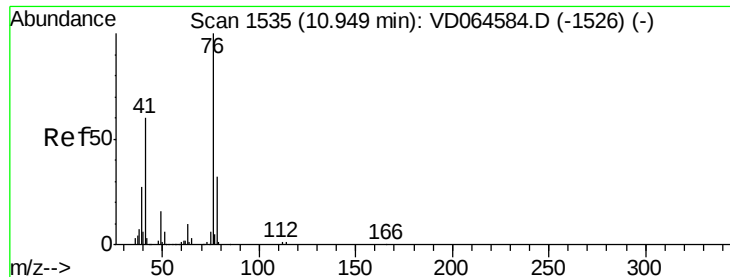
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#56
 Ethyl methacrylate
 Concen: 44.942 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	67.3	55.3	82.9
39	41.5	33.8	50.8





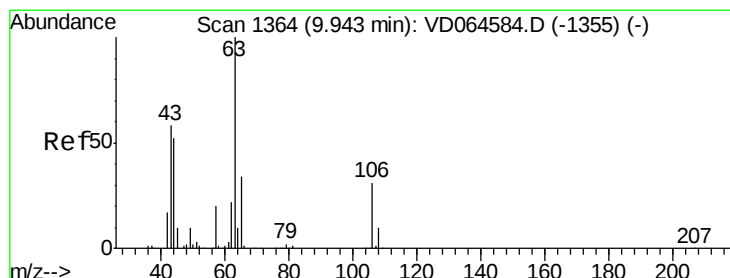
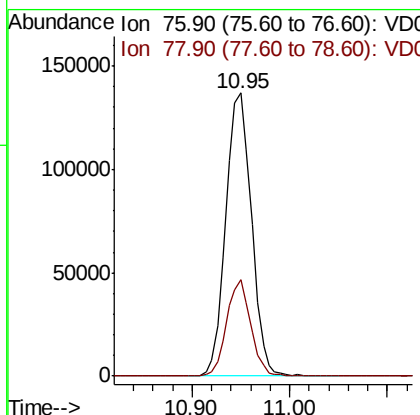
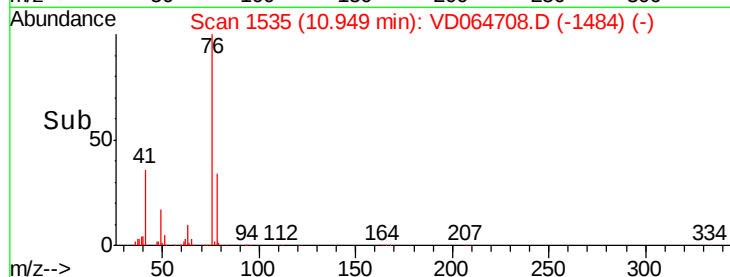
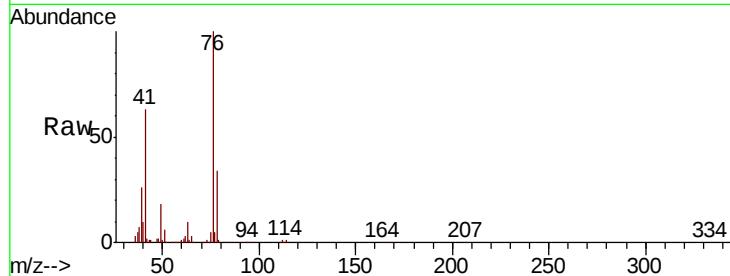
#57
 1,3-Dichloropropane
 Concen: 45.031 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.0	26.2	39.4

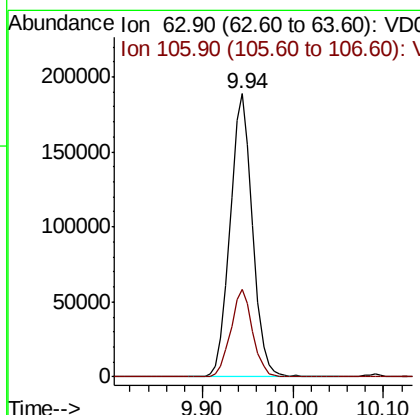
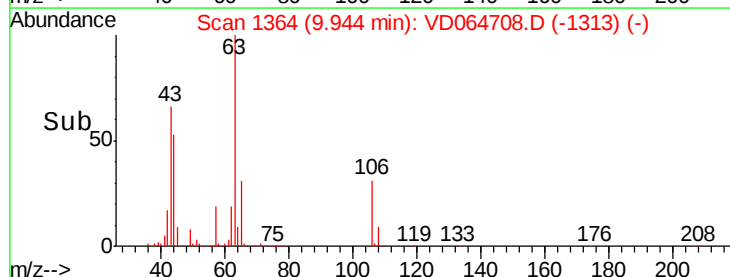
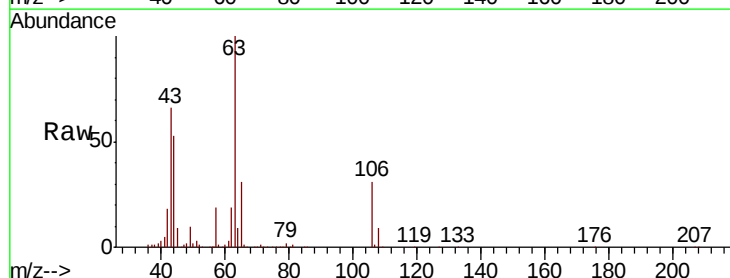
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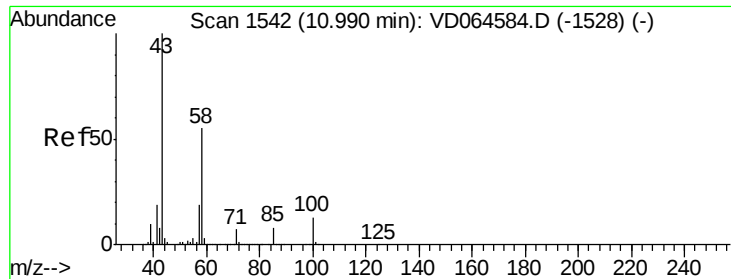
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#58
 2-Chloroethyl Vinyl ether
 Concen: 211.369 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	23.8	35.8





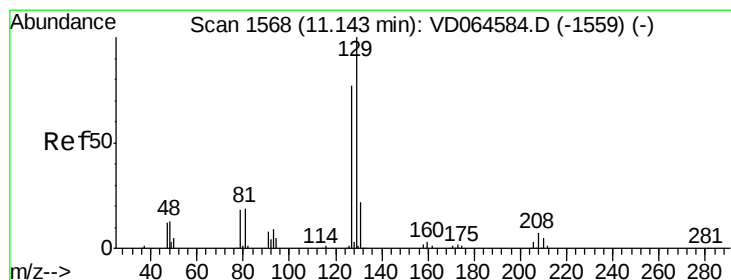
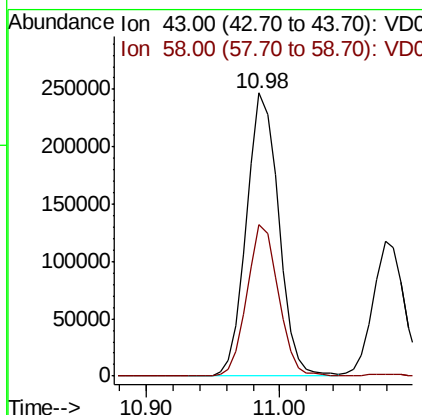
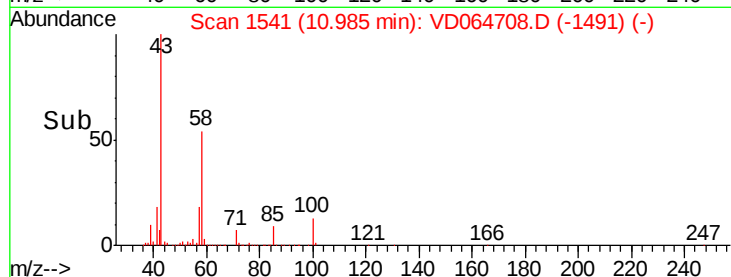
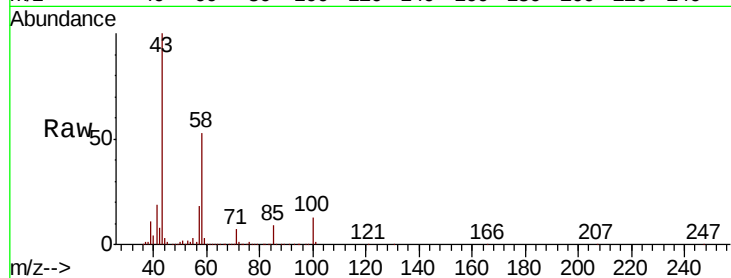
#59
2-Hexanone
Concen: 238.266 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 412974
Ion Ratio Lower Upper
43 100
58 52.1 26.4 79.0

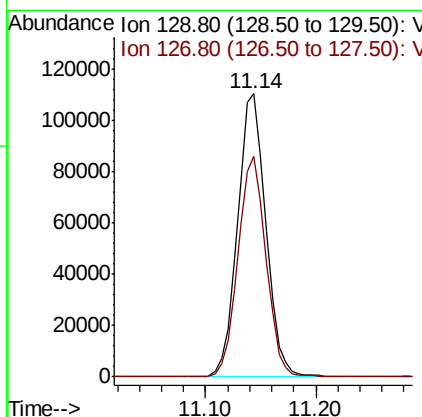
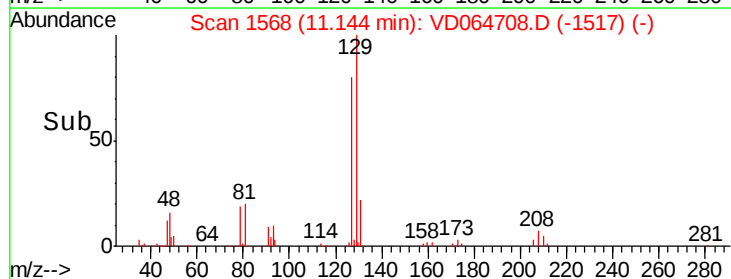
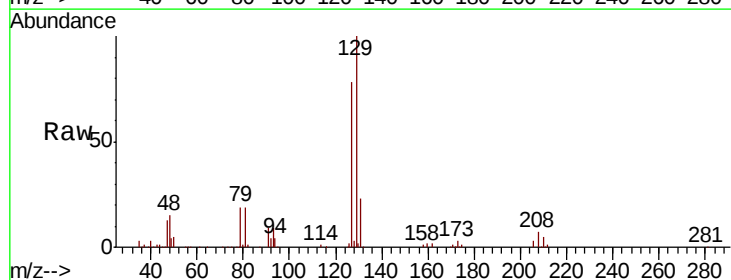
Manual Integrations
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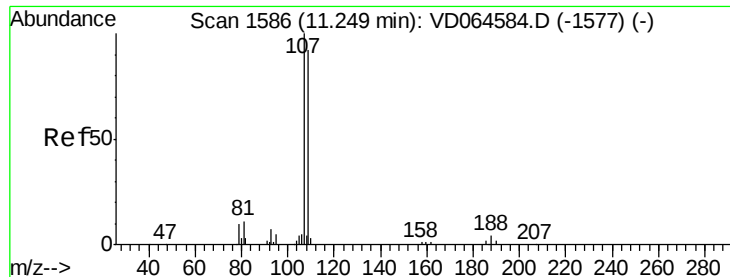
apatel
1/3/2020 11:10:13 AM



#60
Dibromochloromethane
Concen: 44.482 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 129 Resp: 199049
Ion Ratio Lower Upper
129 100
127 77.1 38.4 115.2





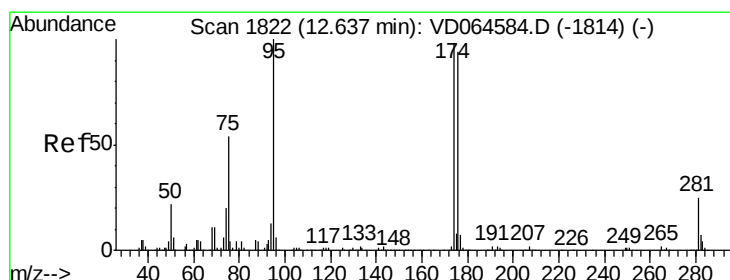
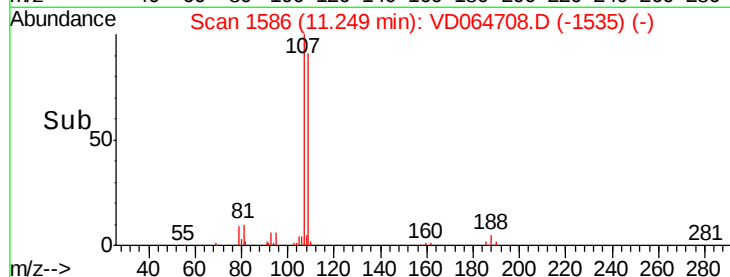
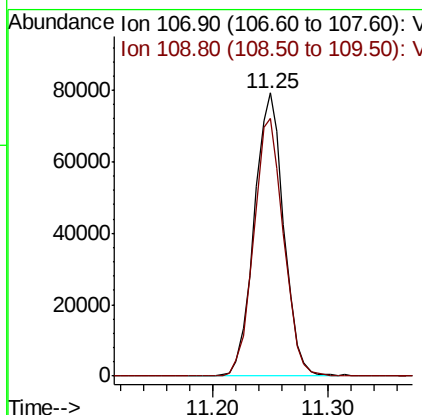
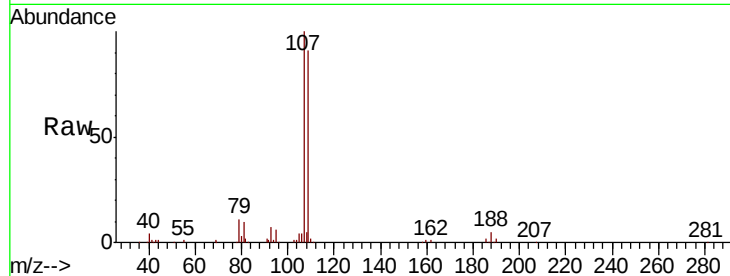
#61
 1,2-Dibromoethane
 Concen: 44.192 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.4	75.6	113.4

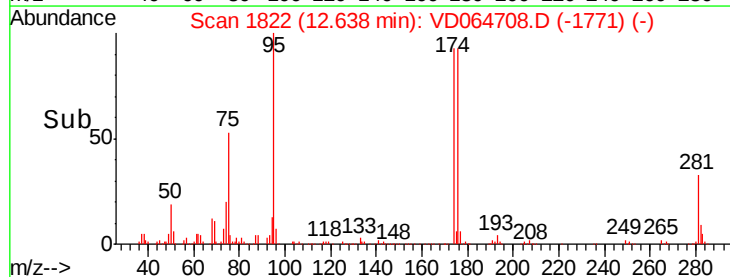
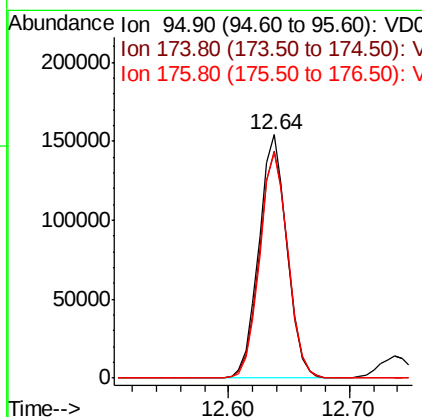
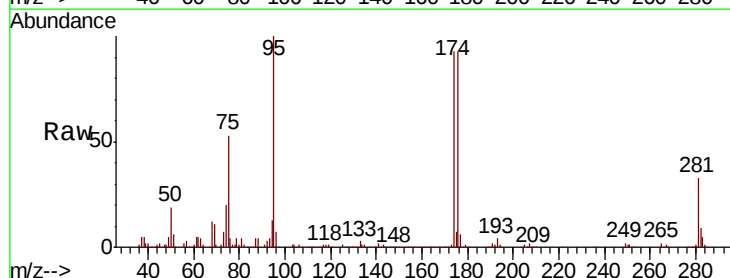
Manual Integrations
 APPROVED

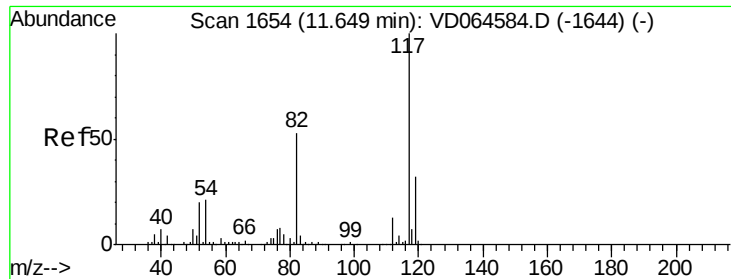
apatel
 1/3/2020 11:10:13 AM



#62
 4-Bromofluorobenzene
 Concen: 49.154 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.6	0.0	193.2
176	92.7	0.0	184.2





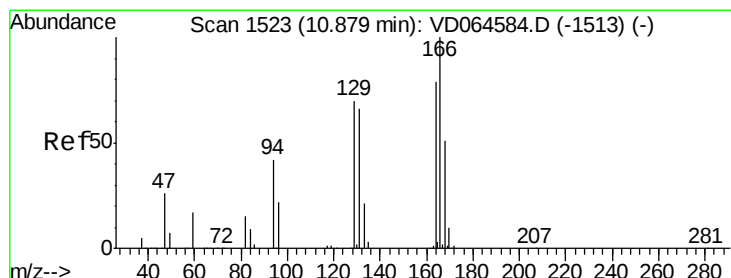
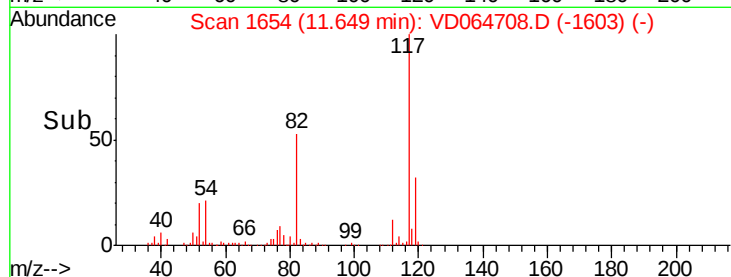
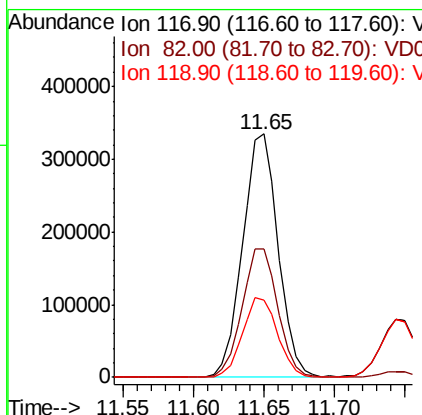
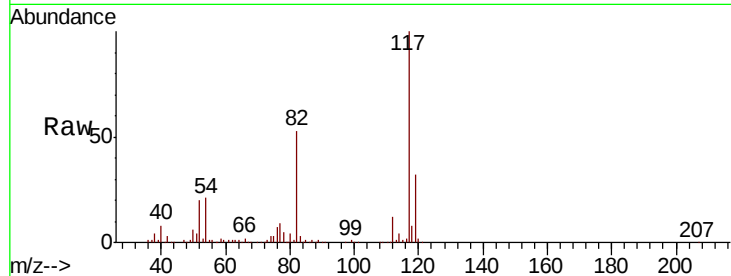
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.2	63.4
119	31.9	26.0	39.0

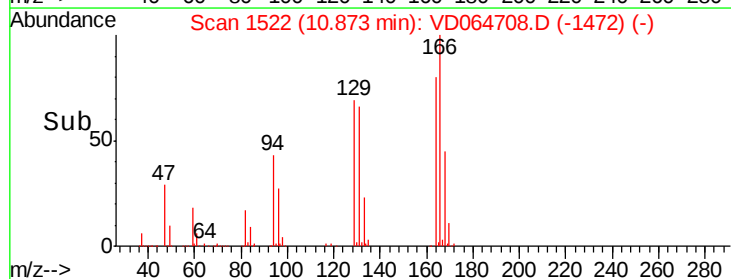
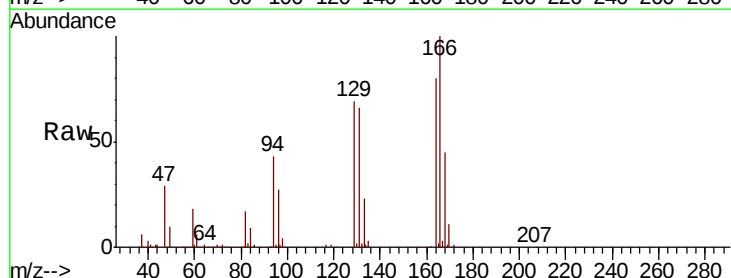
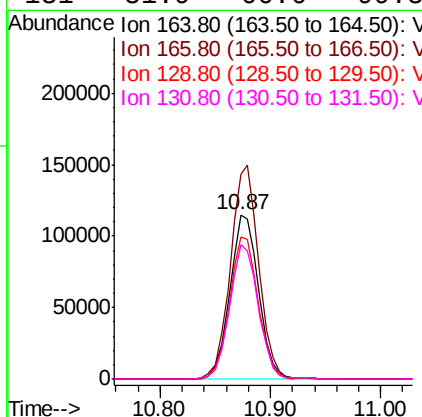
Manual Integrations
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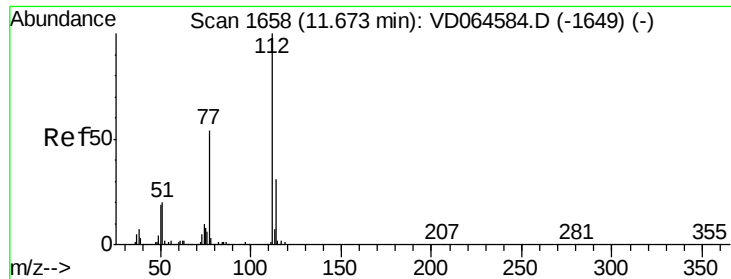
apatel
1/3/2020 11:10:13 AM



#64
Tetrachloroethene
Concen: 46.043 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.01 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.4	101.3	151.9
129	86.3	70.5	105.7
131	81.9	66.6	99.8





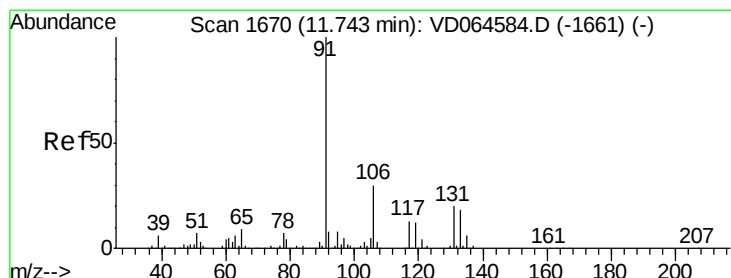
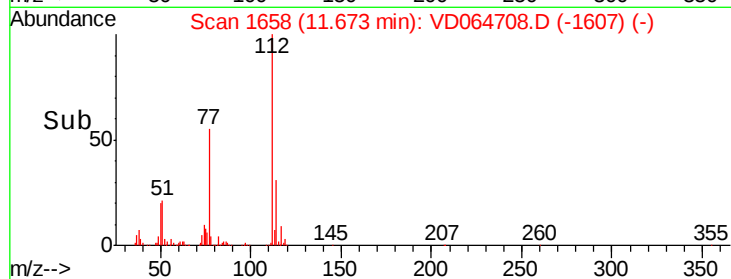
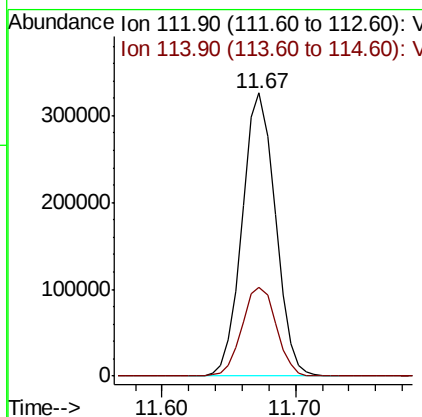
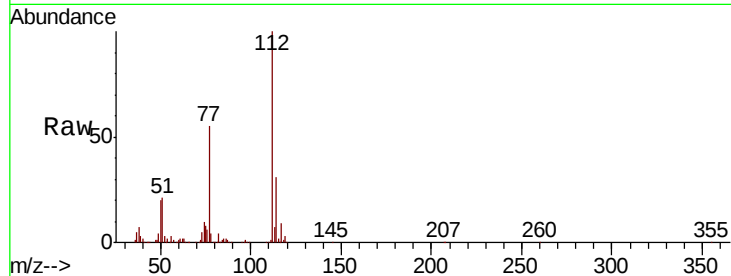
#65
Chlorobenzene
Concen: 45.839 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	24.8	37.2

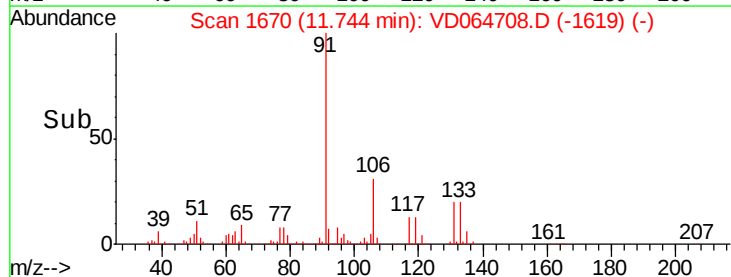
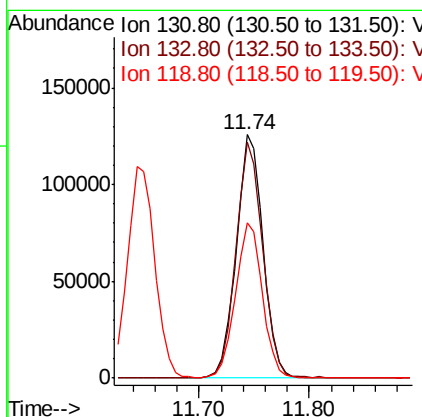
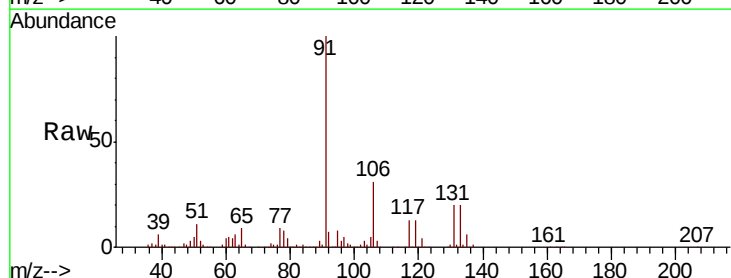
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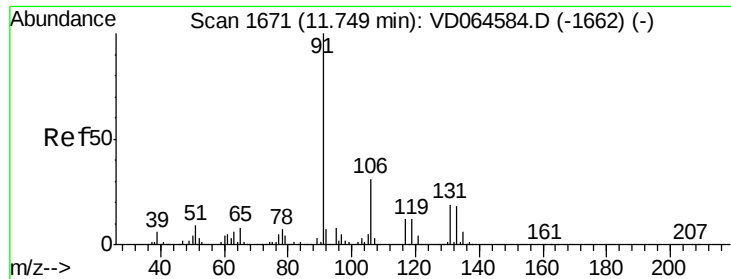
apatel
1/3/2020 11:10:13 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 46.575 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	48.3	144.8
119	64.3	32.1	96.3





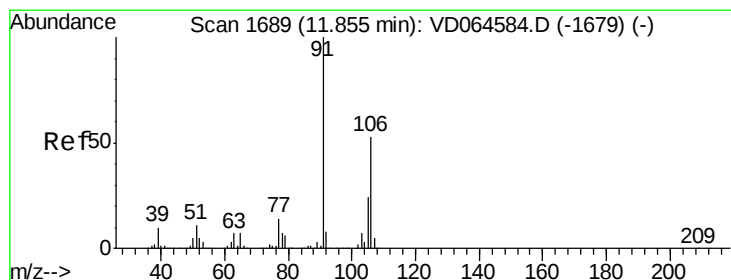
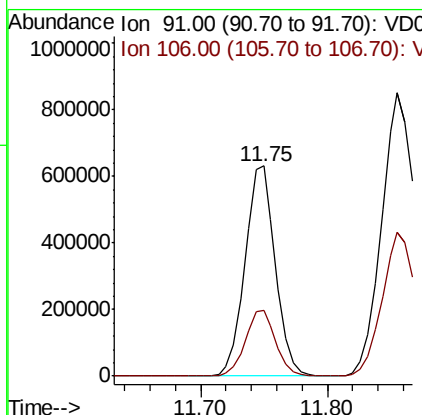
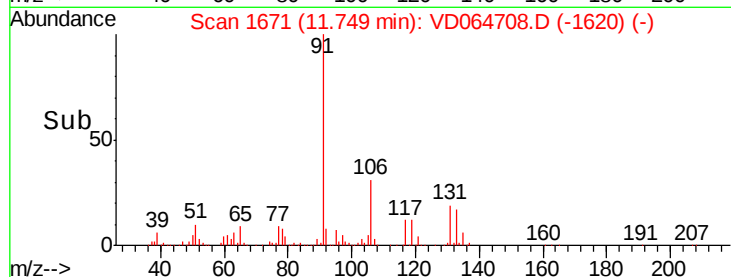
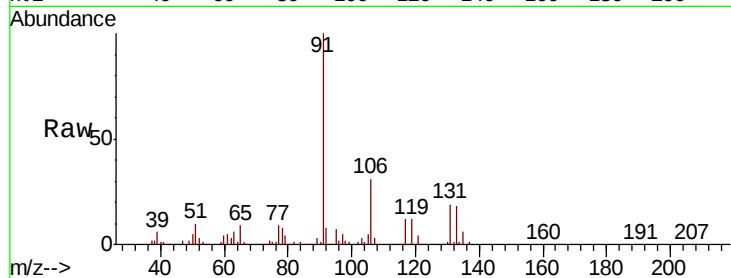
#67
Ethyl Benzene
Concen: 47.036 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1045238
Ion Ratio Lower Upper
91 100
106 31.4 24.6 36.8

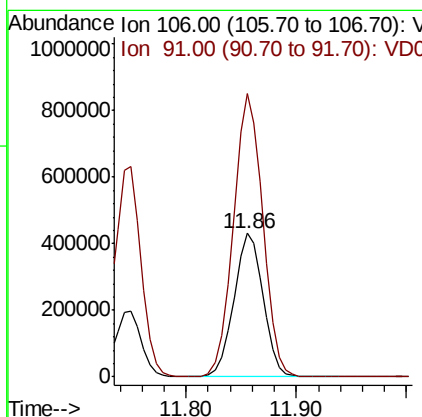
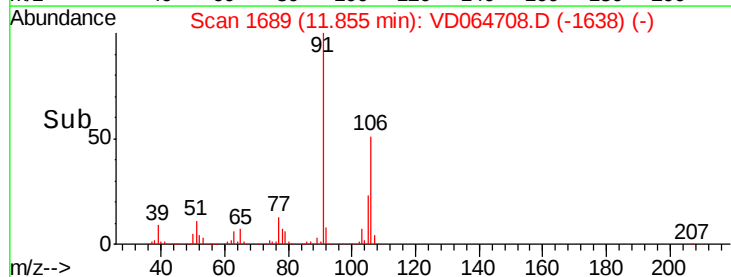
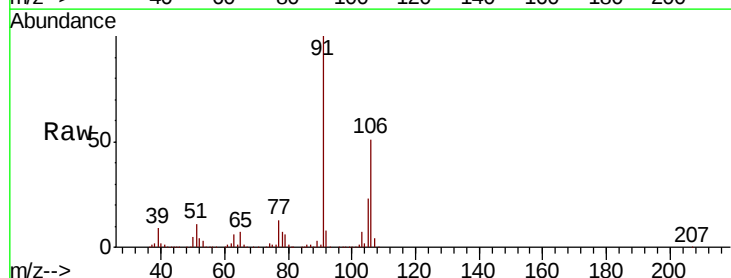
Manual Integrations
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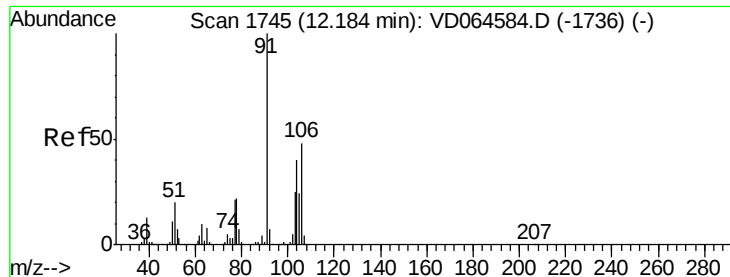
apatel
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#68
m/p-Xylenes
Concen: 93.430 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion: 106 Resp: 801365
Ion Ratio Lower Upper
106 100
91 198.1 156.3 234.5





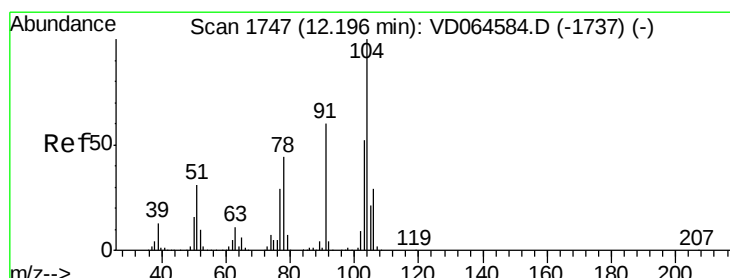
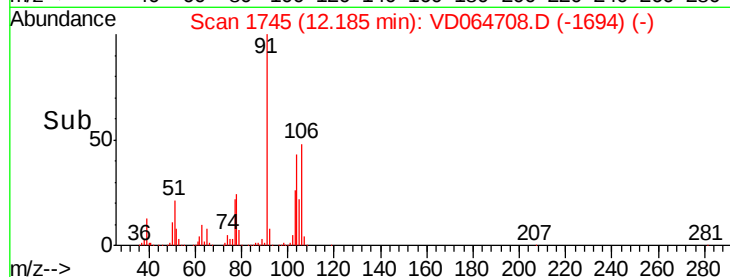
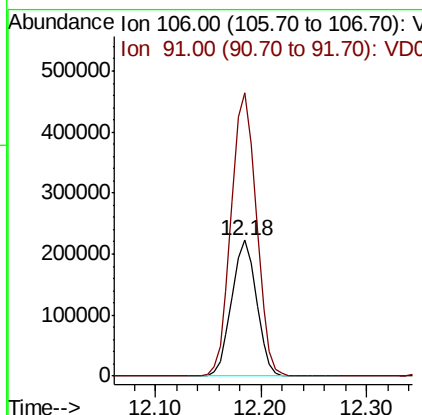
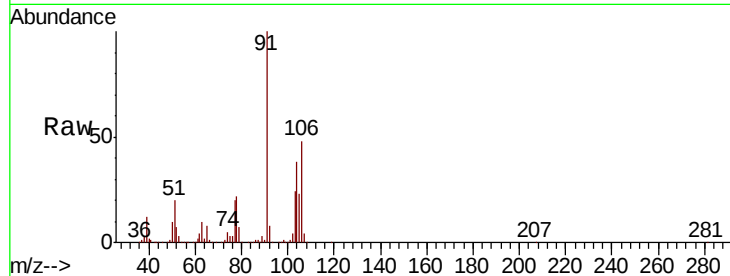
#69
o-Xylene
Concen: 47.040 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	210.3	104.8	314.4	

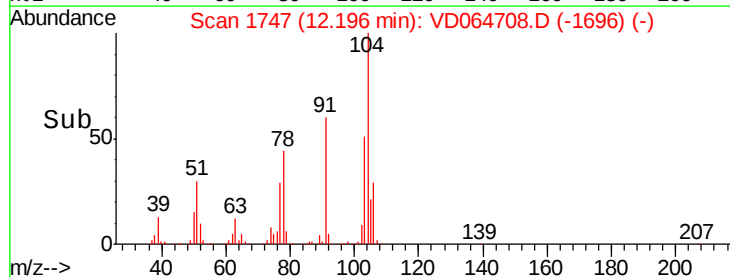
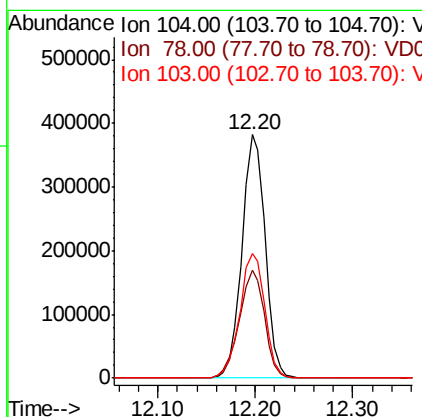
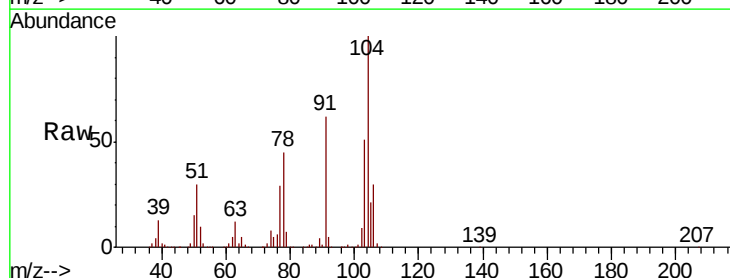
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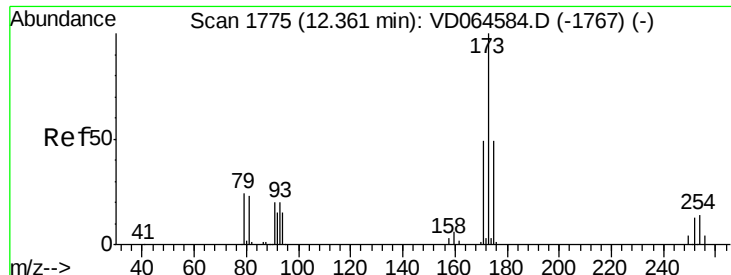
apatel
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#70
Styrene
Concen: 46.591 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	38.2	57.2	
103	55.2	44.6	67.0	





#71

Bromoform

Concen: 44.566 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

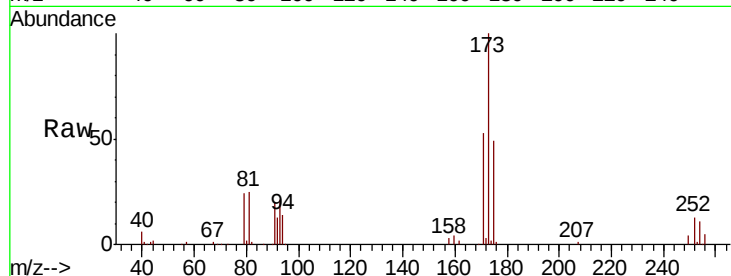
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.6	73.8
254	0.2	0.1	0.1#

Manual Integrations
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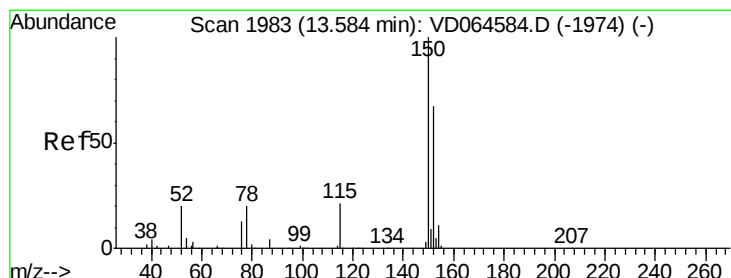
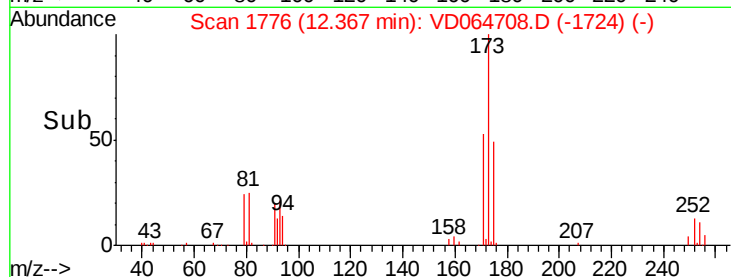
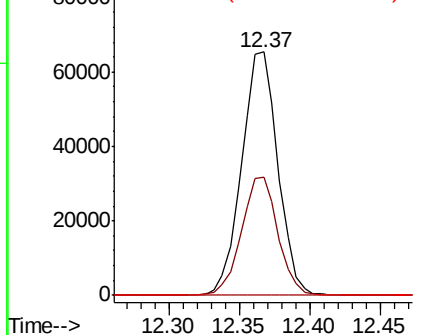


Abundance

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: VD064708.D

Acq: 02 Jan 2020 10:26

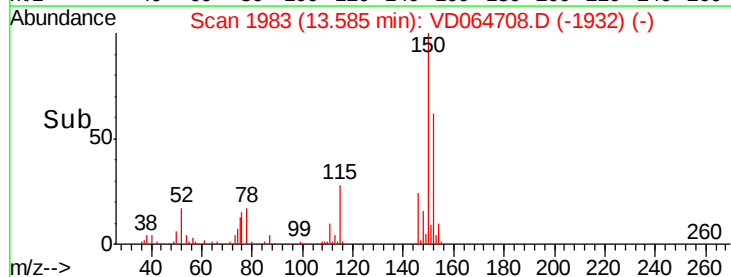
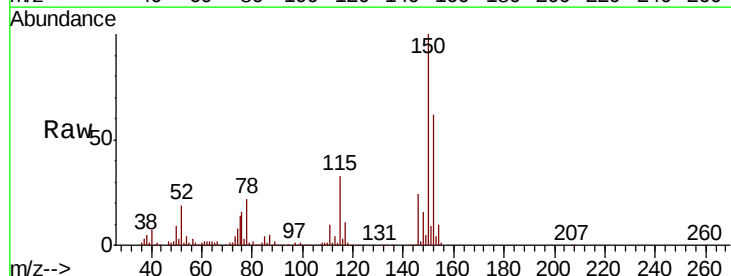
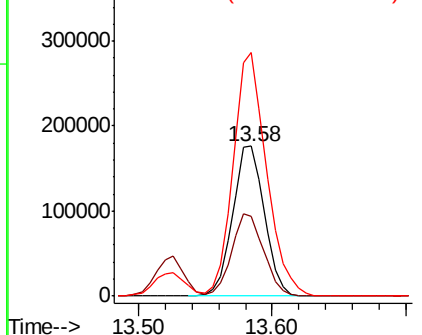
Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.9	27.8	83.4
150	169.7	0.0	351.4

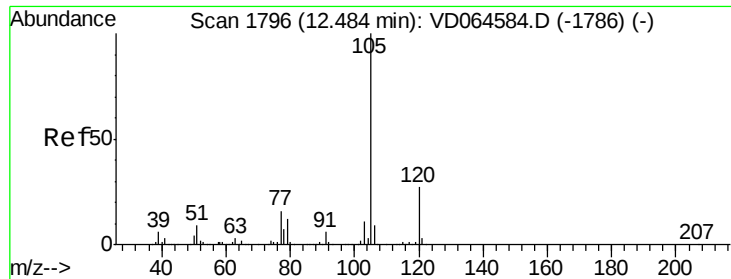
Abundance

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





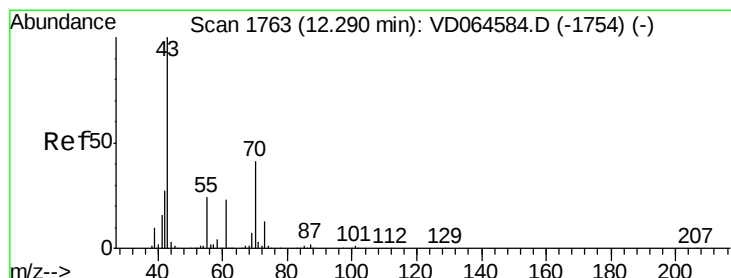
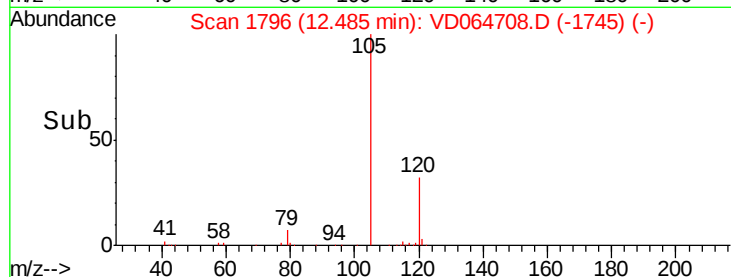
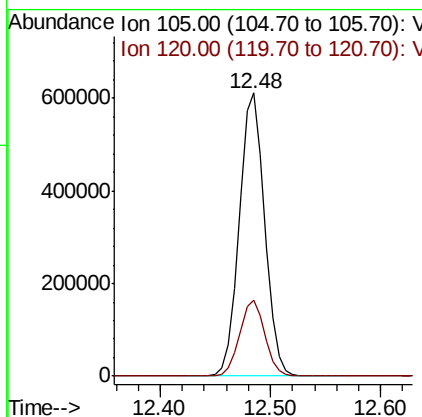
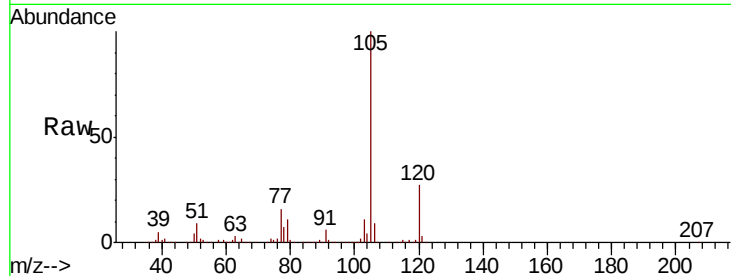
#73
Isopropylbenzene
Concen: 47.392 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.7	13.5	40.5

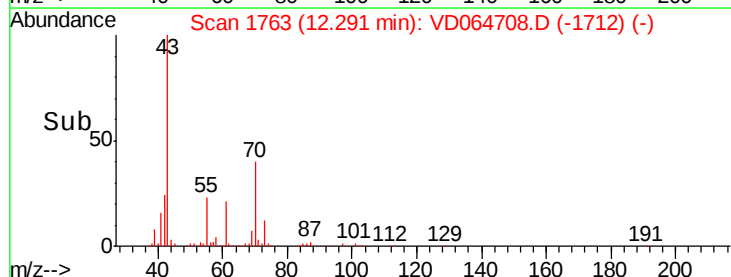
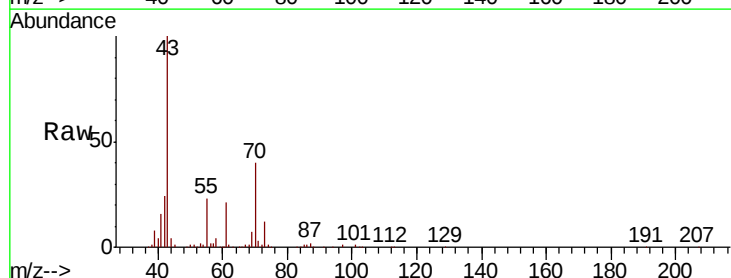
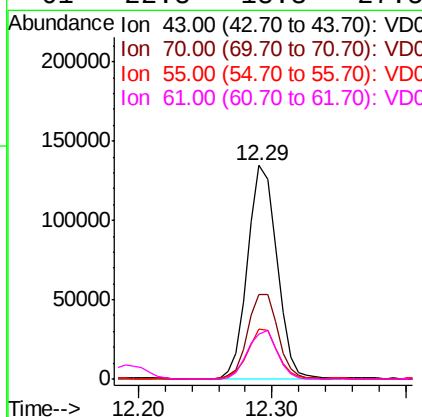
Manual Integrations
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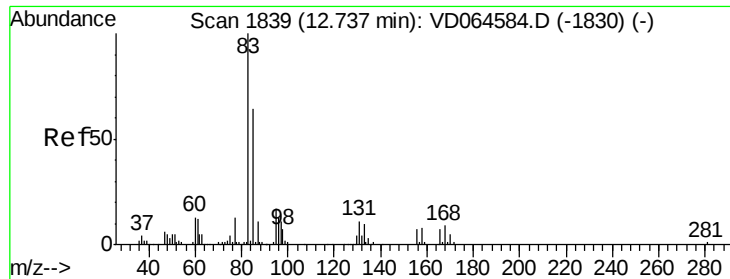
apatel
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#74
N-ethyl acetate
Concen: 46.059 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.8	33.4	50.0
55	23.4	19.4	29.0
61	22.8	18.3	27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 44.716 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

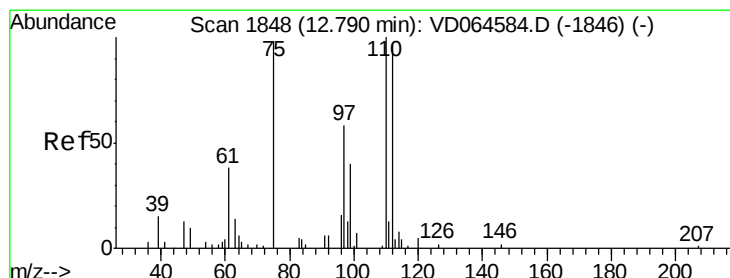
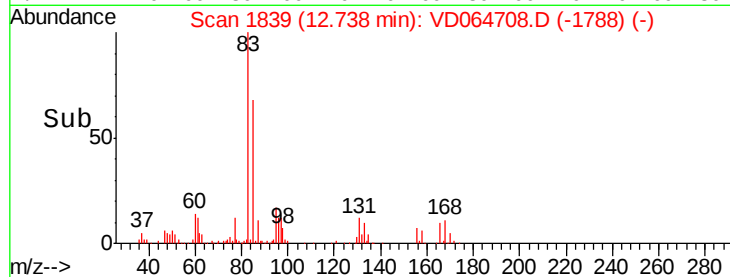
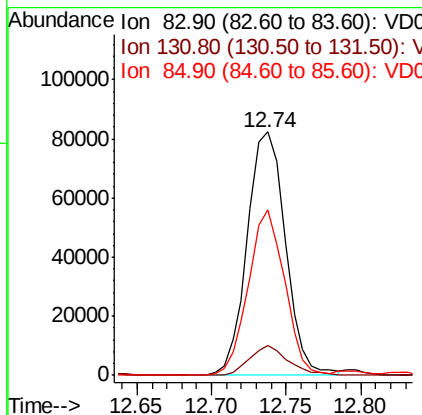
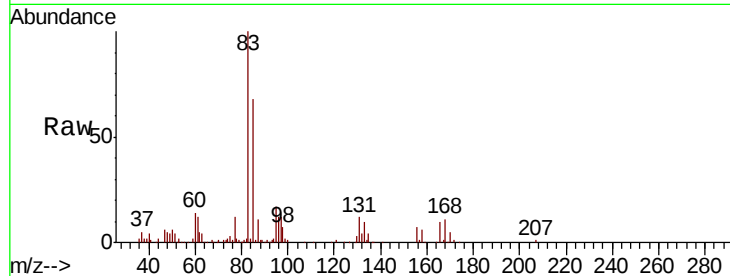
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	146084
Ion	Ratio	Lower	Upper
83	100		
131	12.4	5.8	17.4
85	64.7	32.3	96.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 47.290 ug/l m

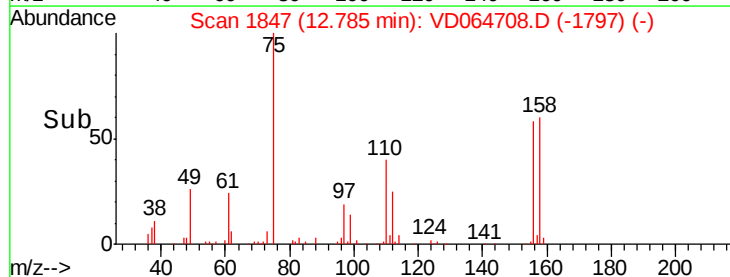
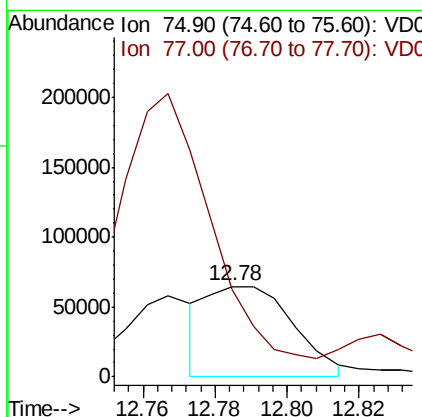
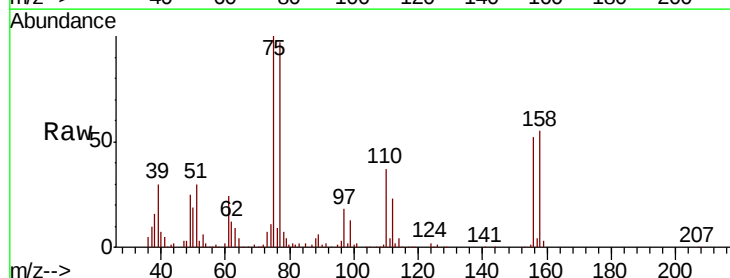
RT: 12.78 min Scan# 1847

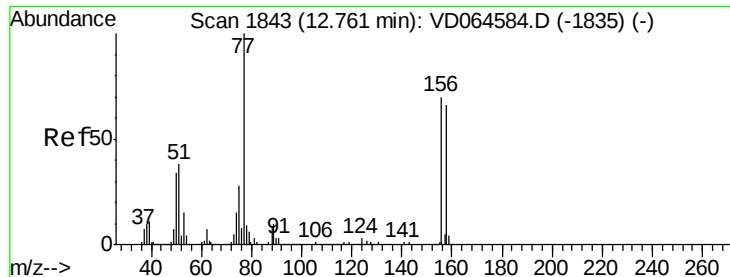
Delta R.T. -0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Tgt Ion:	75	Resp:	108675
Ion	Ratio	Lower	Upper
75	100		
77	350.9	0.0	0.0#





#77

Bromobenzene

Concen: 46.466 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

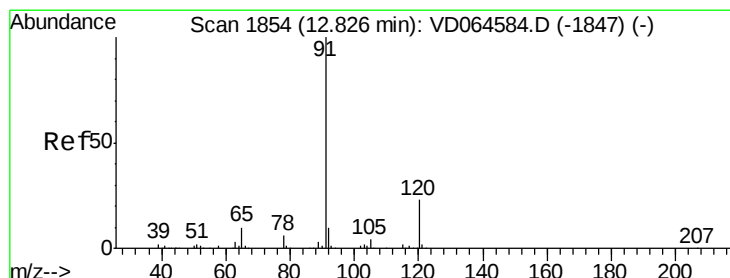
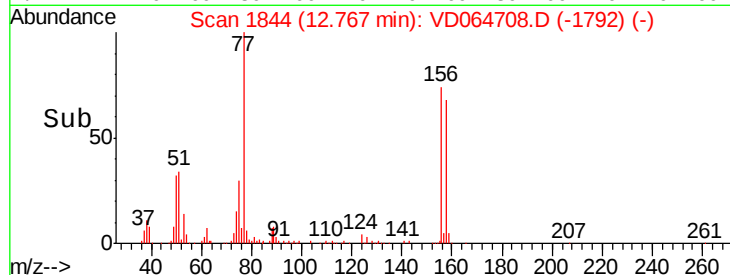
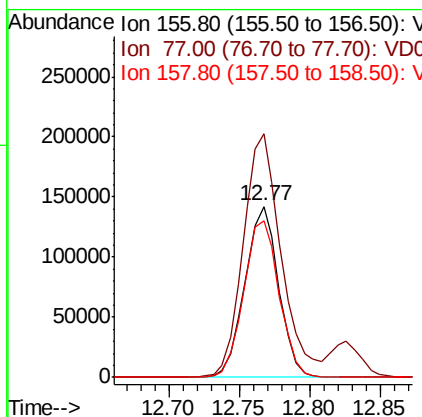
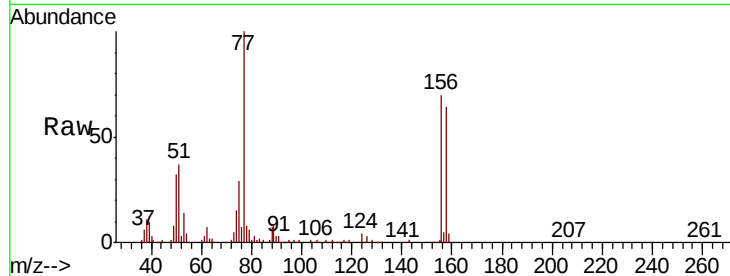
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	237441
Ion Ratio	Lower	Upper	
156	100		
77	160.6	80.9	242.7
158	95.9	48.0	144.2

Manual Integrations
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#78

n-propylbenzene

Concen: 46.931 ug/l

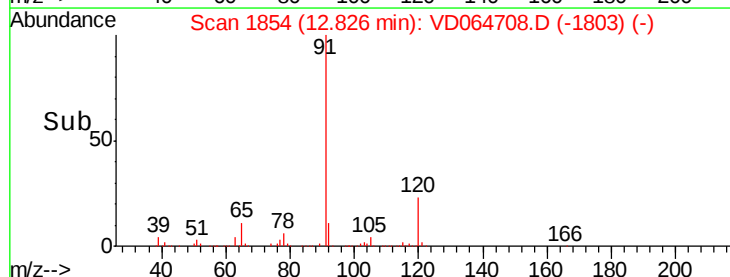
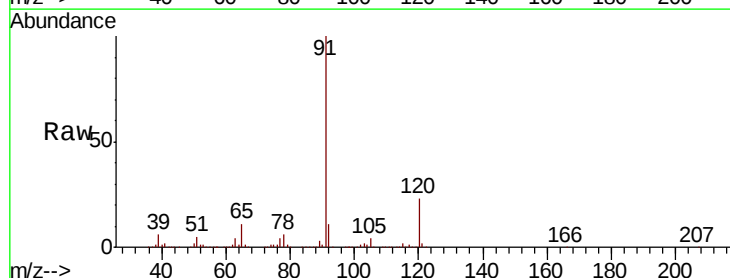
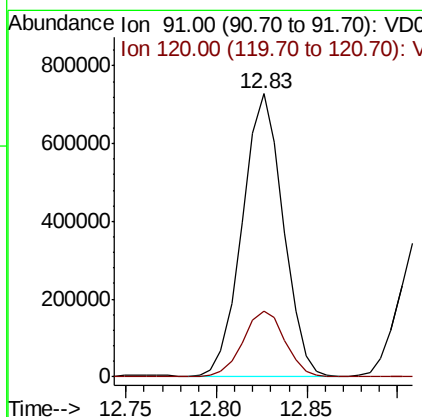
RT: 12.83 min Scan# 1854

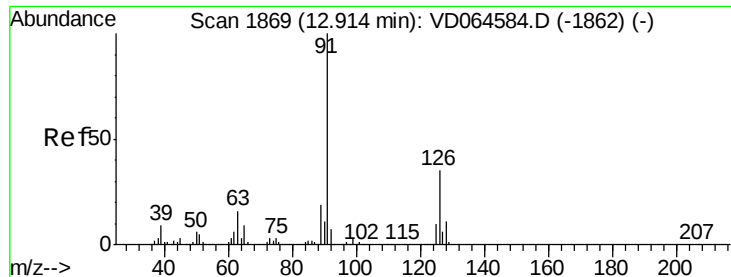
Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Tgt Ion:	91	Resp:	1138643
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9





#79

2-Chlorotoluene

Concen: 46.658 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 621862

Ion Ratio Lower Upper

91 100

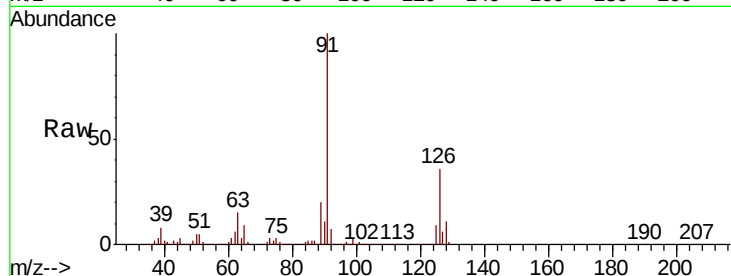
126 36.1 17.8 53.5

Manual Integrations

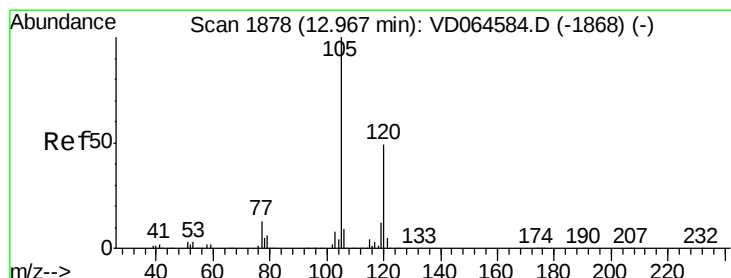
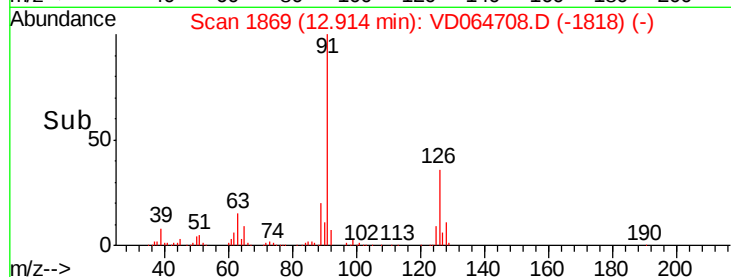
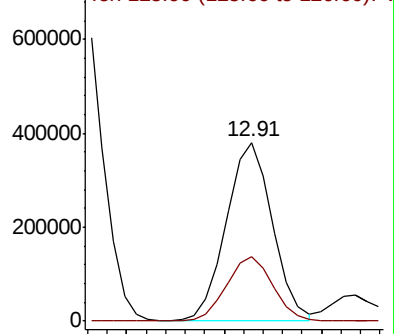
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Abundance Ion 91.00 (90.70 to 91.70): VD064708.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 46.643 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064708.D

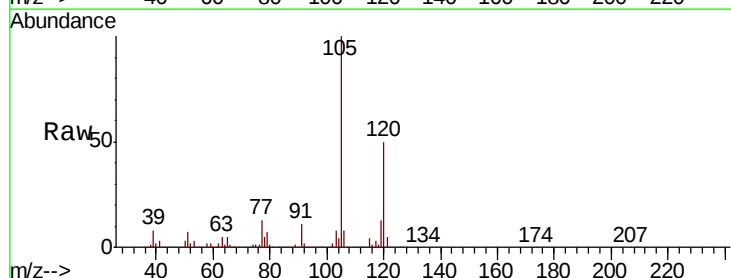
Acq: 02 Jan 2020 10:26

Tgt Ion: 105 Resp: 796831

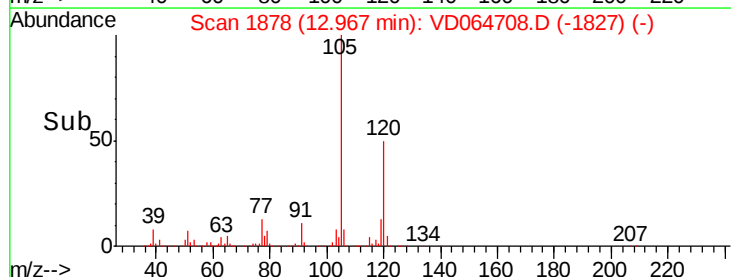
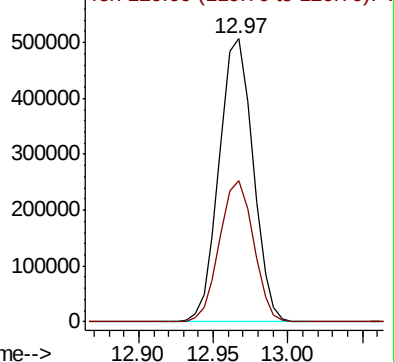
Ion Ratio Lower Upper

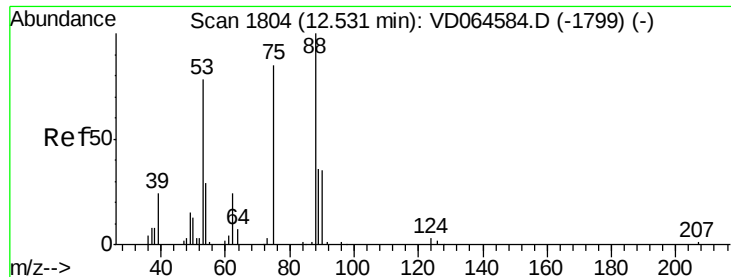
105 100

120 50.4 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064708.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 46.788 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064708.D

Acq: 02 Jan 2020 10:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 51409

Ion Ratio Lower Upper

75 100

53 97.1 78.8 118.2

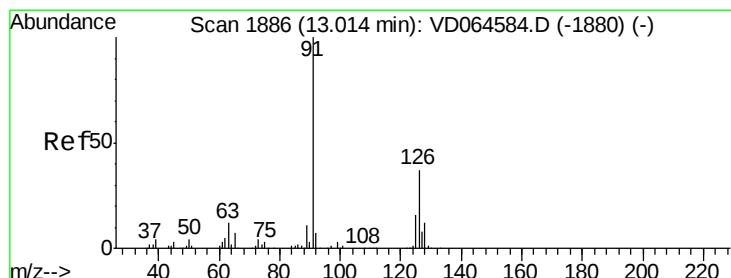
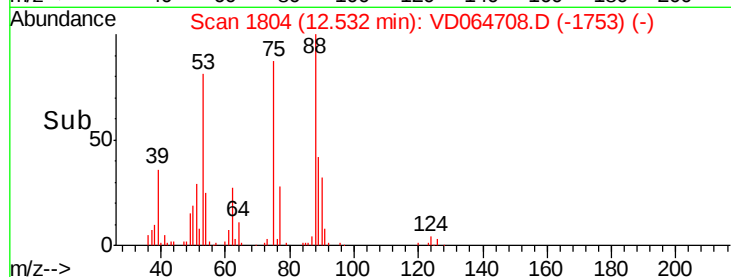
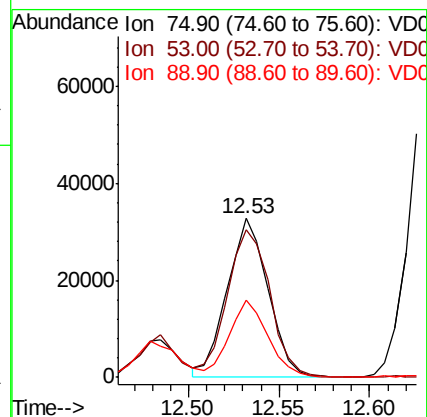
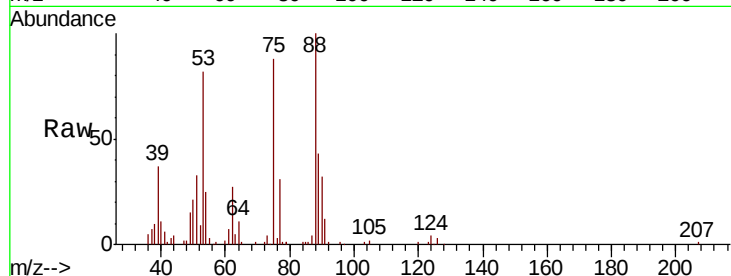
89 45.5 38.3 57.5

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#82

4-Chlorotoluene

Concen: 46.417 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD064708.D

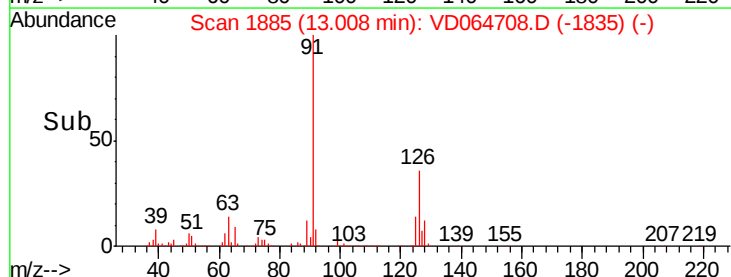
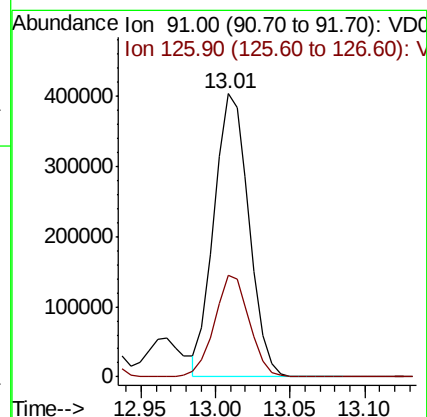
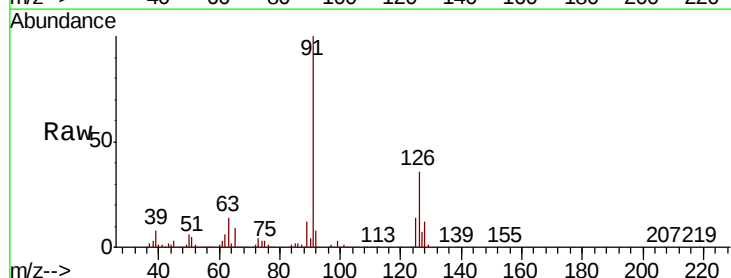
Acq: 02 Jan 2020 10:26

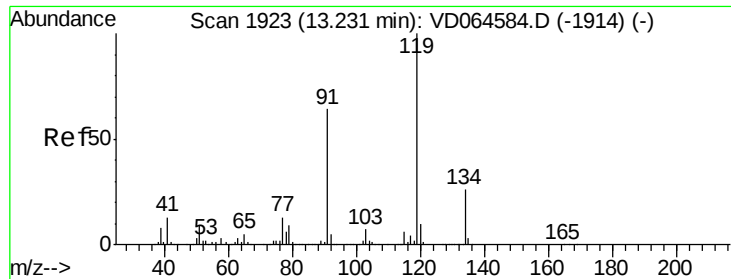
Tgt Ion: 91 Resp: 658360

Ion Ratio Lower Upper

91 100

126 35.9 17.8 53.5





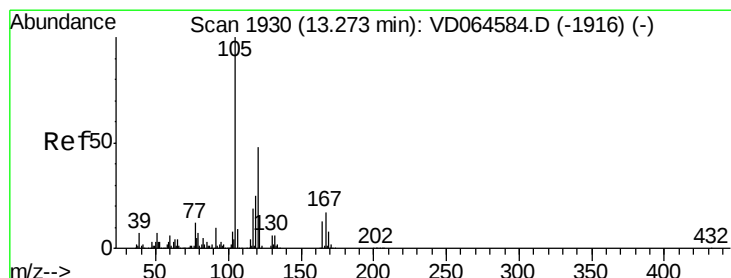
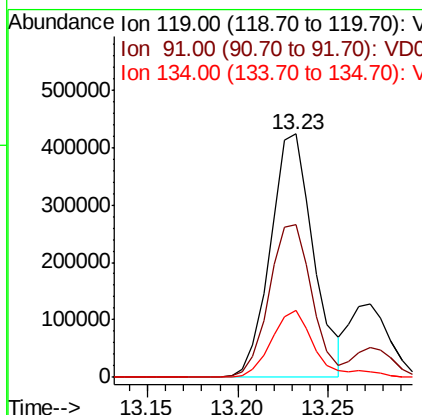
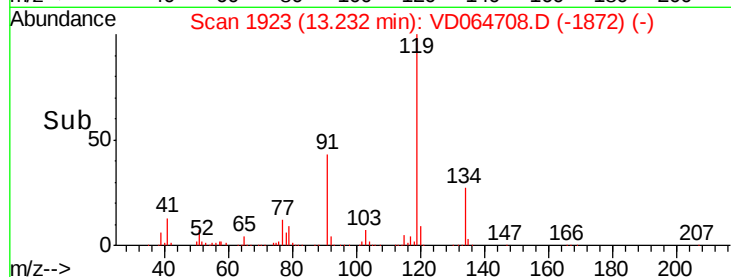
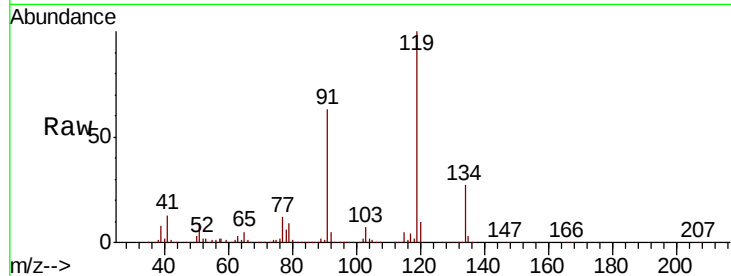
#83
tert-Butylbenzene
Concen: 47.309 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	30.8	92.4
134	28.0	12.8	38.3

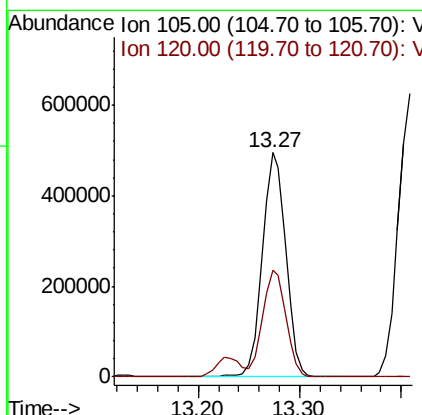
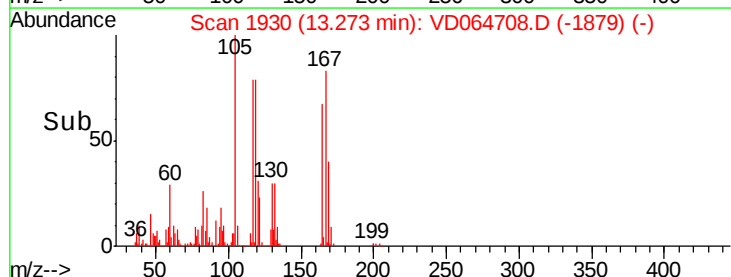
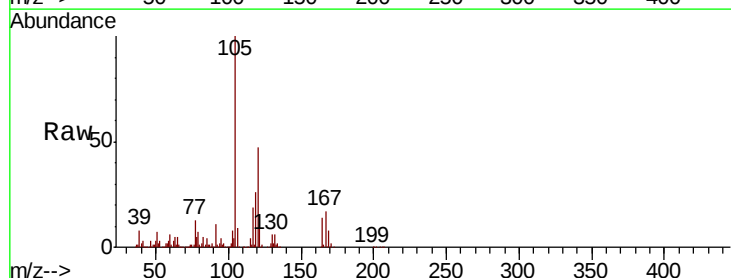
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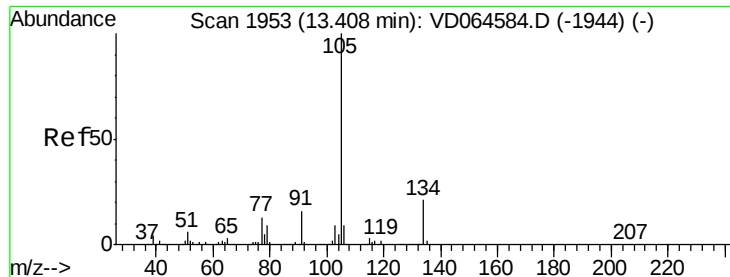
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 46.544 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.2





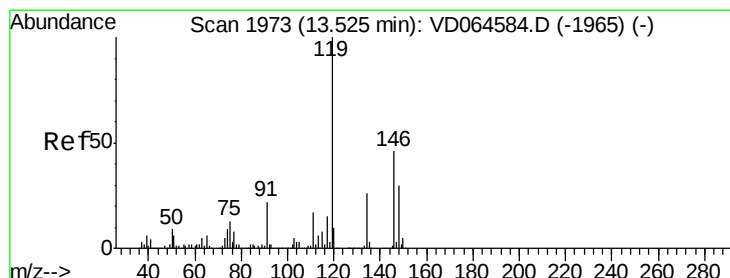
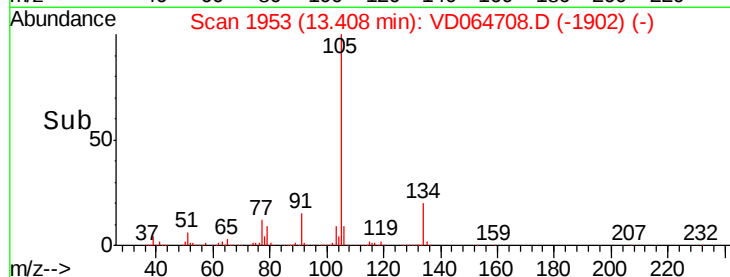
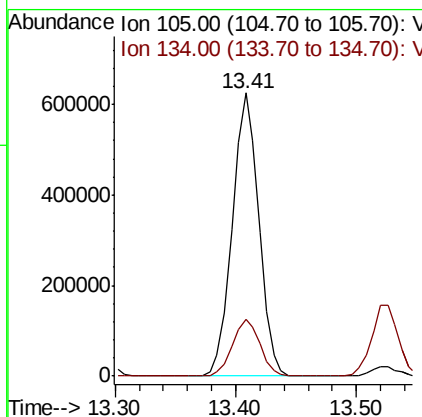
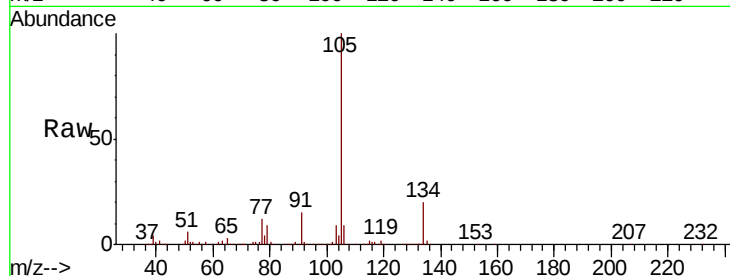
#85
 sec-Butylbenzene
 Concen: 47.105 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.6	31.8

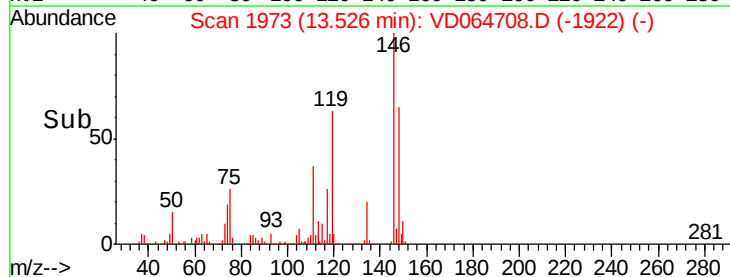
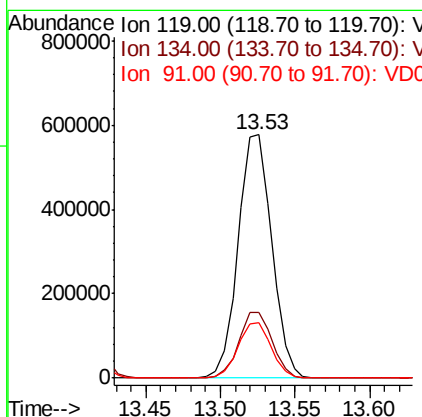
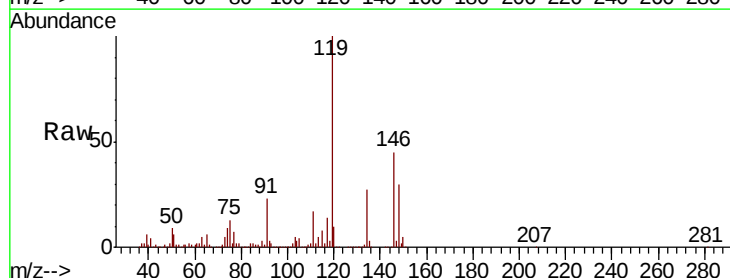
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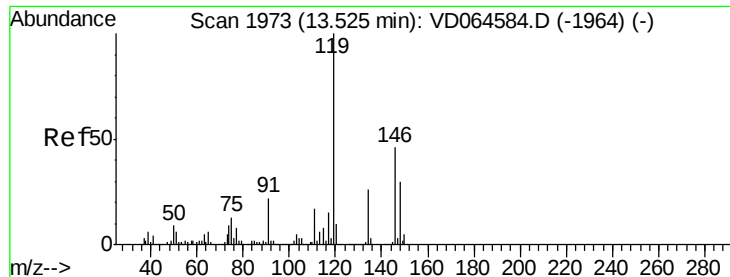
apatel
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#86
 p-Isopropyltoluene
 Concen: 46.508 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	22.5	11.2	33.6





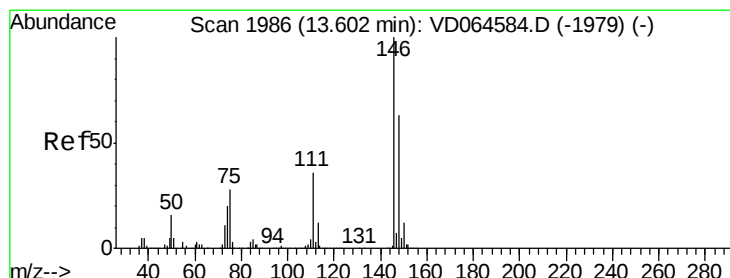
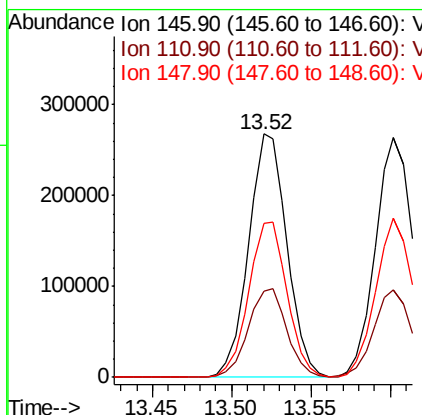
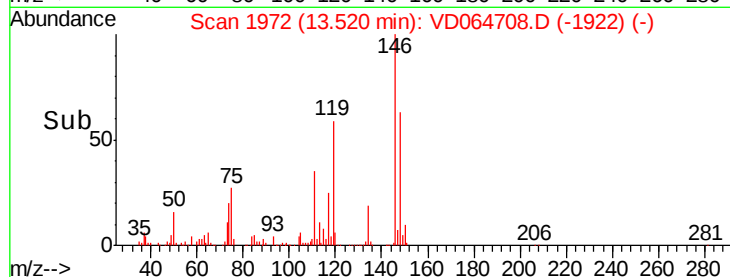
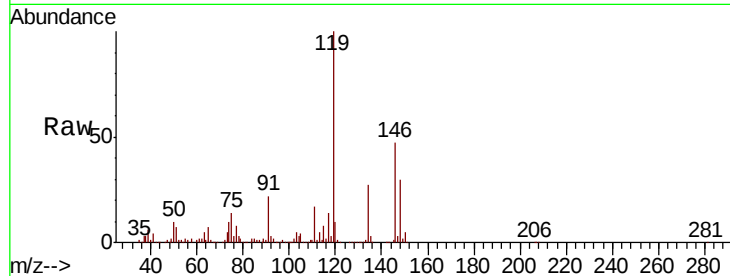
#87
 1,3-Dichlorobenzene
 Concen: 46.260 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.2	18.8	56.4
148	63.8	32.5	97.5

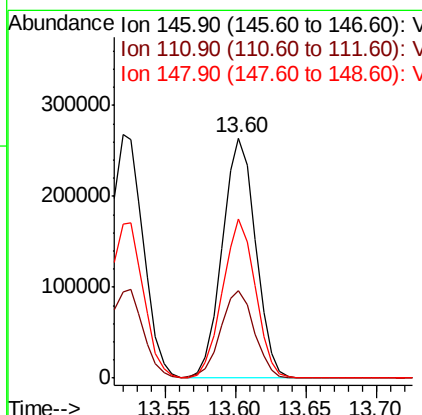
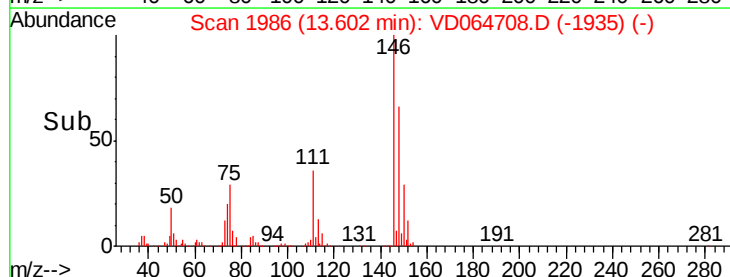
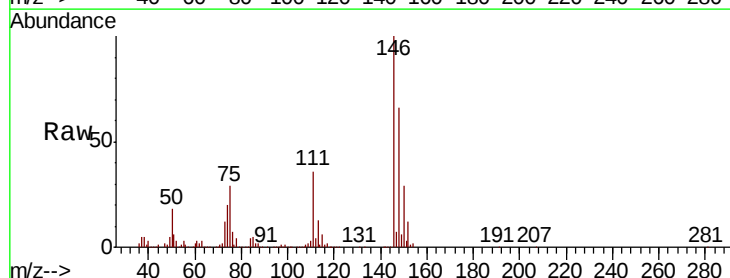
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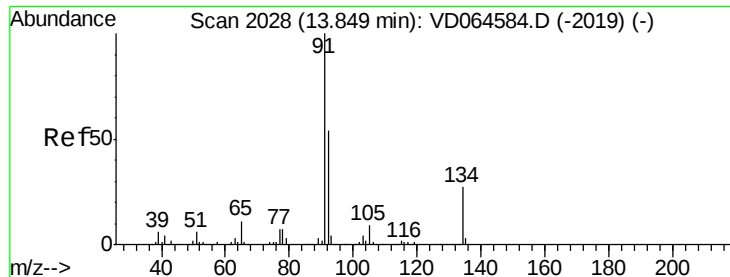
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#88
 1,4-Dichlorobenzene
 Concen: 45.329 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.1
148	65.2	32.3	96.9





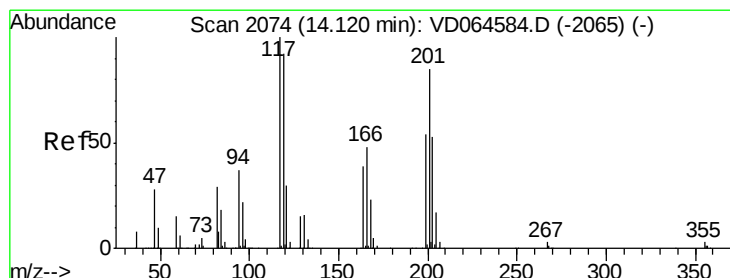
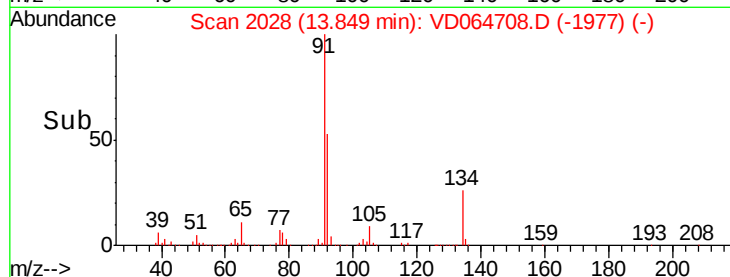
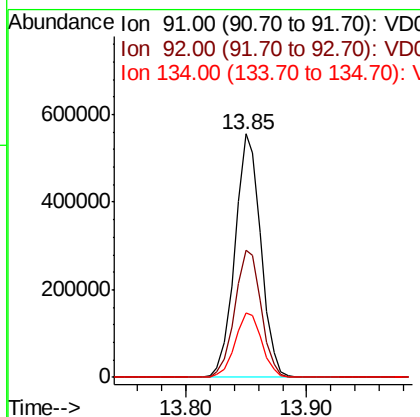
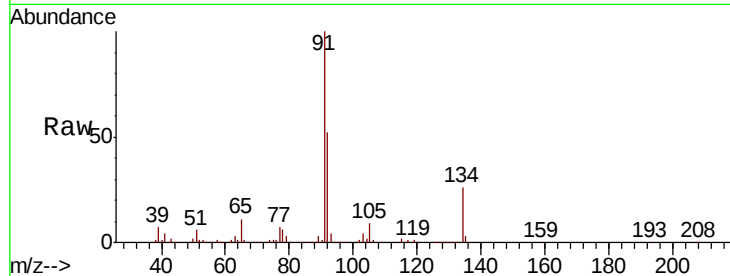
#89
n-Butylbenzene
Concen: 47.159 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.8	80.4	
134	27.3	14.0	41.9	

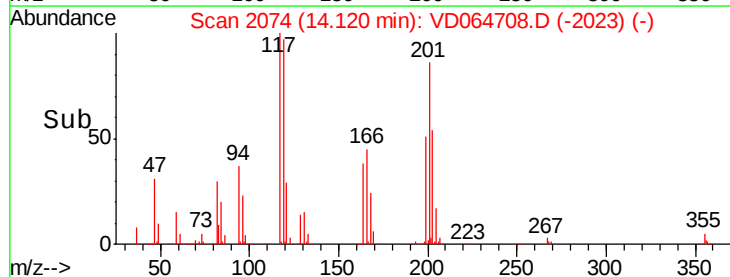
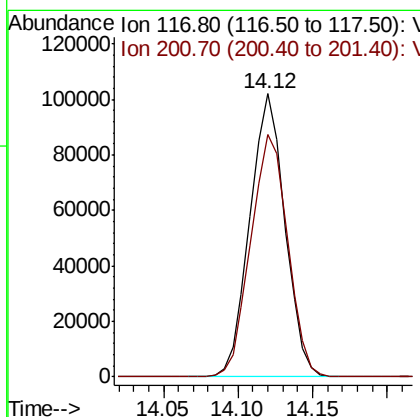
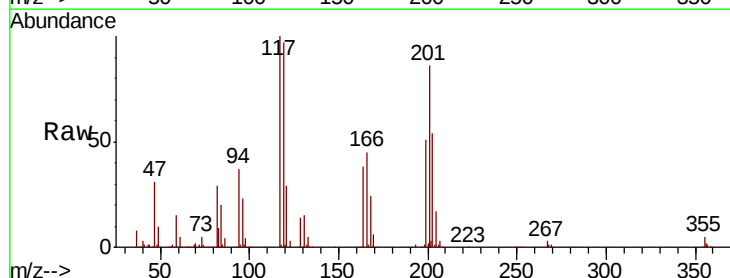
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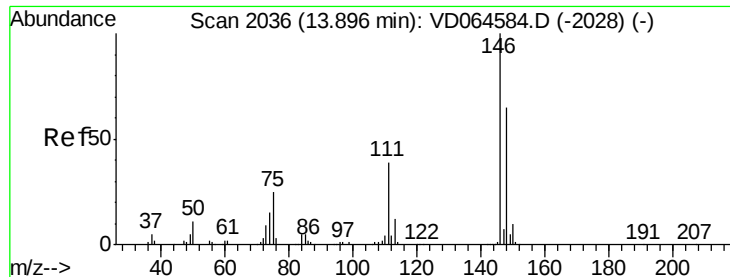
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#90
Hexachloroethane
Concen: 44.580 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	90.0	44.0	131.8	





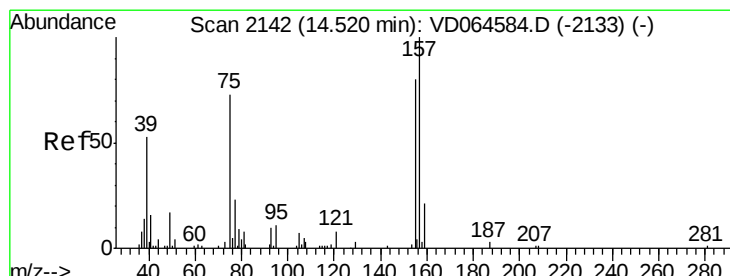
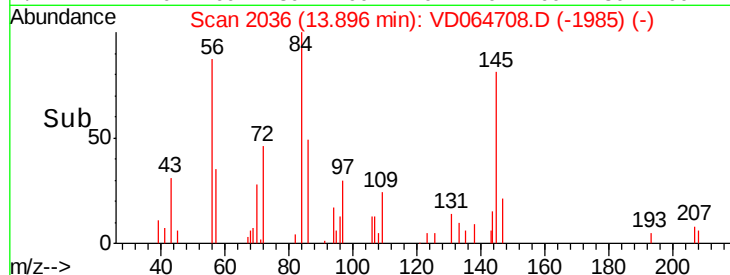
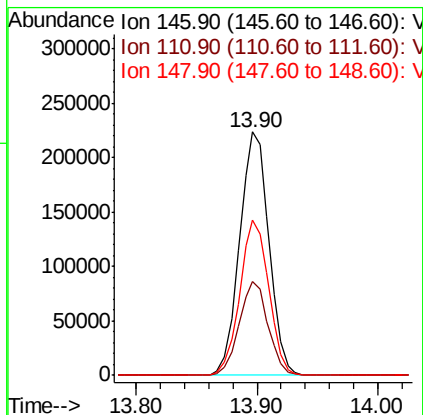
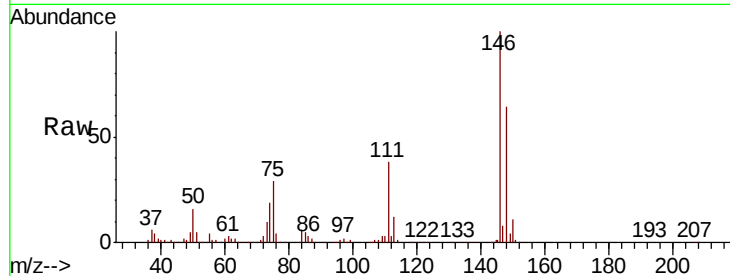
#91
 1,2-Dichlorobenzene
 Concen: 45.555 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	19.3	57.9
148	63.0	31.9	95.5

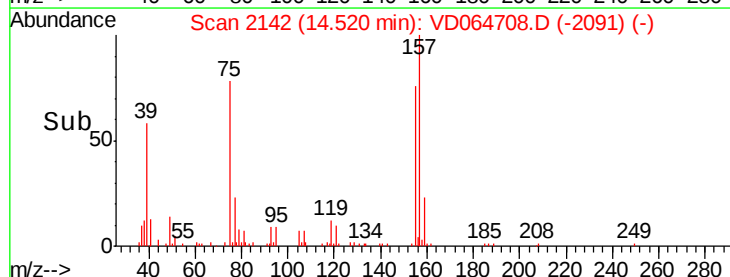
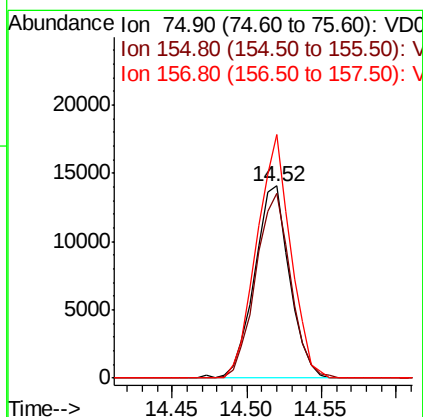
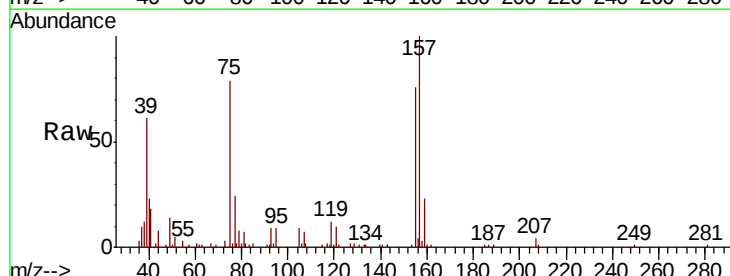
Manual Integrations
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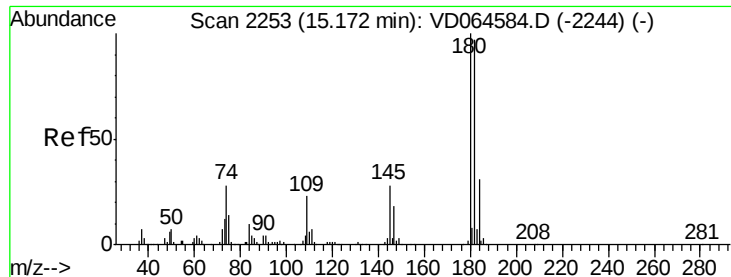
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.162 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.3	48.0	144.0
157	122.3	64.1	192.3





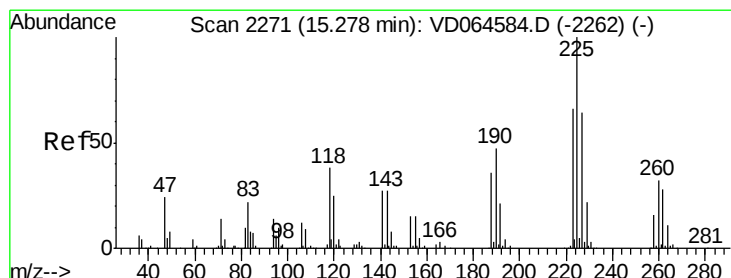
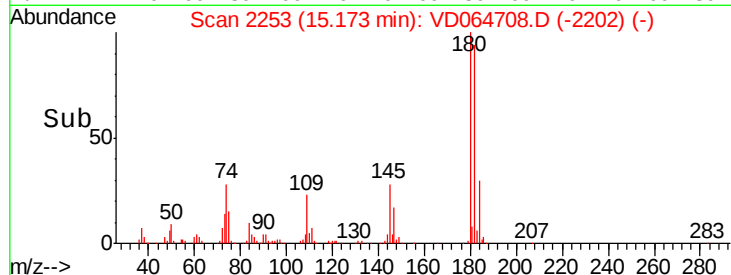
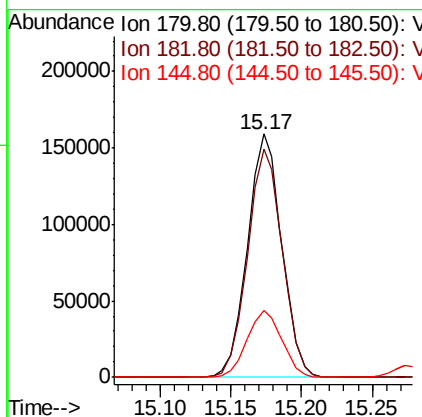
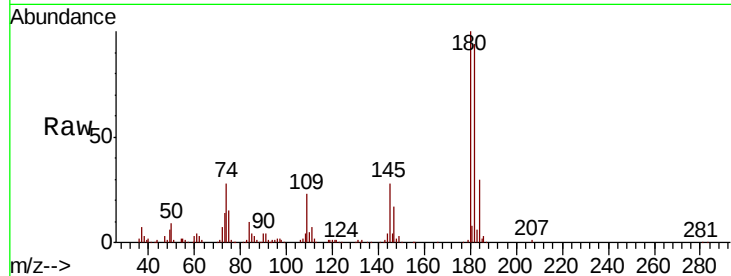
#93
 1,2,4-Trichlorobenzene
 Concen: 44.197 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	270318		
182	95.0	48.0	144.2	
145	28.1	13.8	41.4	

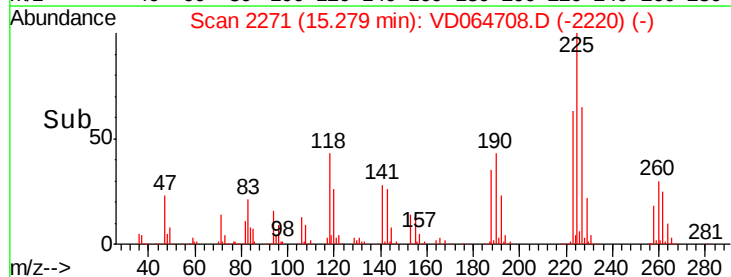
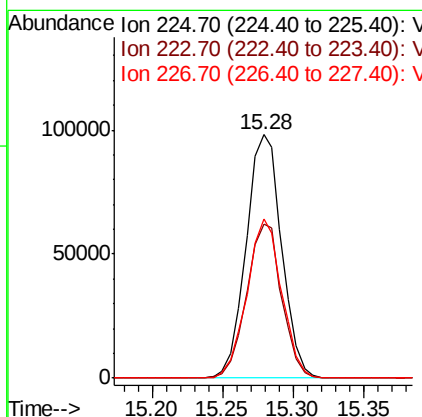
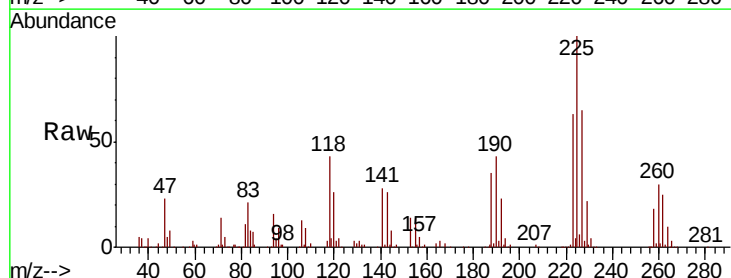
Manual Integrations
 APPROVED

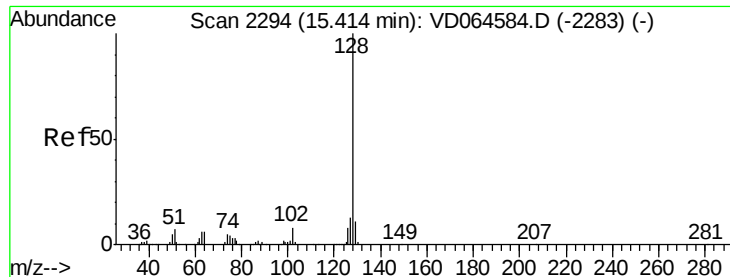
apatel
 1/3/2020 11:10:13 AM



#94
 Hexachlorobutadiene
 Concen: 44.891 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064708.D
 Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	172777		
223	62.5	31.1	93.2	
227	63.9	30.9	92.7	





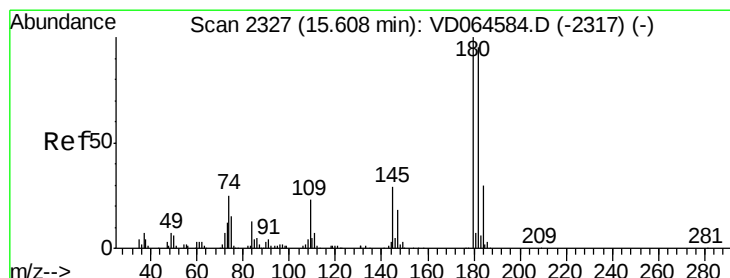
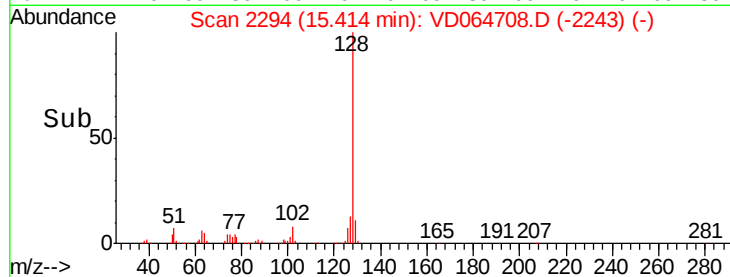
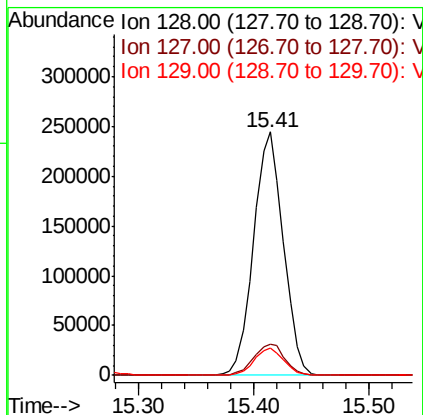
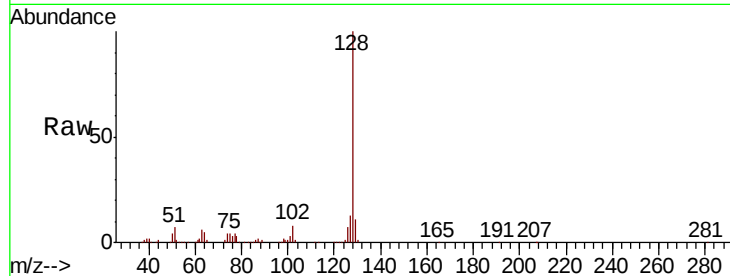
#95
Naphthalene
Concen: 45.421 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.3	15.5
129	11.0	8.5	12.7

Manual Integrations
APPROVED

apatel
1/3/2020 11:10:13 AM



#96
1,2,3-Trichlorobenzene
Concen: 43.746 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD064708.D
Acq: 02 Jan 2020 10:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.9	143.7
145	29.6	14.9	44.7

