

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012420\
 Data File : VD064936.D
 Acq On : 24 Jan 2020 10:10
 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

MMDadoda
 1/27/2020 12:02:59 PM

Quant Time: Jan 25 02:47:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 13:45:59 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	478729	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	688072	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	602199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	297940	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	232763	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
35) Dibromofluoromethane	7.92	113	223348	51.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.30%	
50) Toluene-d8	10.34	98	889802	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.64	95	270233	52.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.82%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	186889	51.820	ug/l	99
3) Chloromethane	2.21	50	260531	49.289	ug/l	96
4) Vinyl Chloride	2.35	62	299780	49.379	ug/l	98
5) Bromomethane	2.77	94	194339	47.588	ug/l	98
6) Chloroethane	2.93	64	190586	47.618	ug/l	98
7) Trichlorofluoromethane	3.27	101	455894	48.623	ug/l	99
8) Diethyl Ether	3.70	74	97578	46.101	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	219792	50.386	ug/l	99
10) Methyl Iodide	4.29	142	226703	48.961	ug/l	98
11) Tert butyl alcohol	5.24	59	57456	226.419	ug/l	96
12) 1,1-Dichloroethene	4.06	96	207114	49.701	ug/l	99
13) Acrolein	3.92	56	77231	242.777	ug/l	96
14) Allyl chloride	4.71	41	335576	50.490	ug/l	98
15) Acrylonitrile	5.43	53	217303	237.079	ug/l	98
16) Acetone	4.16	43	246458	223.941	ug/l	100
17) Carbon Disulfide	4.40	76	691065	50.388	ug/l	99
18) Methyl Acetate	4.73	43	99194	46.123	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	443859	47.669	ug/l	98
20) Methylene Chloride	4.96	84	222193	49.723	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	237656	49.500	ug/l	99
22) Diisopropyl ether	6.37	45	654755	49.432	ug/l	98
23) Vinyl Acetate	6.31	43	1903050	245.392	ug/l	99
24) 1,1-Dichloroethane	6.27	63	398257	48.971	ug/l	99
25) 2-Butanone	7.22	43	296923	239.337	ug/l	98
26) 2,2-Dichloropropane	7.21	77	371378	50.345	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	252438	49.261	ug/l	100
28) Bromochloromethane	7.54	49	160876	49.463	ug/l	98
29) Tetrahydrofuran	7.57	42	174123	227.476	ug/l	99
30) Chloroform	7.71	83	411846	48.989	ug/l	98
31) Cyclohexane	7.98	56	372060	46.505	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	380626	48.668	ug/l	98
36) 1,1-Dichloropropene	8.11	75	330095	49.751	ug/l	98
37) Ethyl Acetate	7.30	43	125994	45.973	ug/l	99
38) Carbon Tetrachloride	8.10	117	355268	50.659	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	380197	49.013	ug/l	94
40) Benzene	8.35	78	918932	50.287	ug/l	100
41) Methacrylonitrile	7.53	41	76170m	51.593	ug/l	
42) 1,2-Dichloroethane	8.43	62	265256	48.730	ug/l	99
43) Isopropyl Acetate	8.46	43	242325	46.548	ug/l	99
44) Trichloroethene	9.11	130	257842	50.417	ug/l	98
45) 1,2-Dichloropropane	9.39	63	219487	49.546	ug/l	97
46) Dibromomethane	9.48	93	115602	47.798	ug/l	98
47) Bromodichloromethane	9.67	83	315570	50.144	ug/l	98
48) Methyl methacrylate	9.46	41	117897	49.212	ug/l	99
49) 1,4-Dioxane	9.46	88	26377	940.355	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	610335	234.308	ug/l	100
52) Toluene	10.41	92	585382	49.687	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	297447	49.618	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	349313	49.769	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	158110	48.533	ug/l	97
56) Ethyl methacrylate	10.66	69	197052	50.581	ug/l	98
57) 1,3-Dichloropropane	10.95	76	270095	48.338	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	295195	228.080	ug/l	99
59) 2-Hexanone	10.99	43	452431	251.806	ug/l	99
60) Dibromochloromethane	11.14	129	210039	48.238	ug/l	98
61) 1,2-Dibromoethane	11.25	107	150738	48.053	ug/l	99
64) Tetrachloroethene	10.88	164	216874	49.837	ug/l	100
65) Chlorobenzene	11.67	112	612318	50.079	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	229453	49.899	ug/l	98
67) Ethyl Benzene	11.75	91	1110468	51.157	ug/l	100
68) m/p-Xylenes	11.86	106	867546	103.803	ug/l	100
69) o-Xylene	12.18	106	380535	51.303	ug/l	99
70) Styrene	12.20	104	693588	52.492	ug/l	100
71) Bromoform	12.37	173	124877	48.854	ug/l	# 98
73) Isopropylbenzene	12.48	105	1046268	51.379	ug/l	100
74) N-amyl acetate	12.30	43	216469	47.505	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	164055	47.933	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	125004m	50.549	ug/l	
77) Bromobenzene	12.77	156	249628	50.101	ug/l	99
78) n-propylbenzene	12.83	91	1234392	50.971	ug/l	99
79) 2-Chlorotoluene	12.91	91	668610	50.327	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	852615	51.091	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	56932	49.157	ug/l	99
82) 4-Chlorotoluene	13.01	91	710836	50.452	ug/l	99
83) tert-Butylbenzene	13.23	119	714216	50.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	854538	50.548	ug/l	100
85) sec-Butylbenzene	13.41	105	1007160	50.227	ug/l	99
86) p-Isopropyltoluene	13.53	119	949535	50.605	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	479599	50.167	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	462794	48.775	ug/l	99
89) n-Butylbenzene	13.85	91	868158	50.698	ug/l	99
90) Hexachloroethane	14.12	117	178306	49.276	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	402658	49.612	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	25741	46.997	ug/l	98

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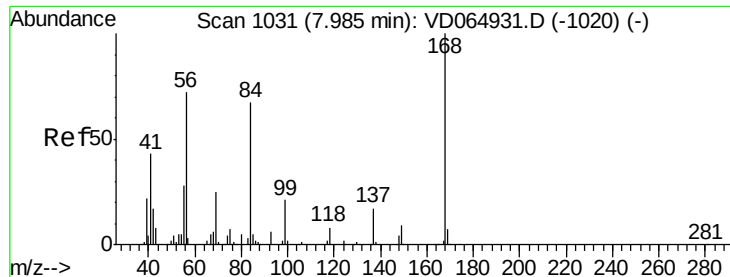
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	273954	48.791	ug/l	98
94) Hexachlorobutadiene	15.28	225	173660	48.897	ug/l	98
95) Naphthalene	15.41	128	446329	49.255	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	231489	47.550	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 478729

Ion Ratio Lower Upper

168 100

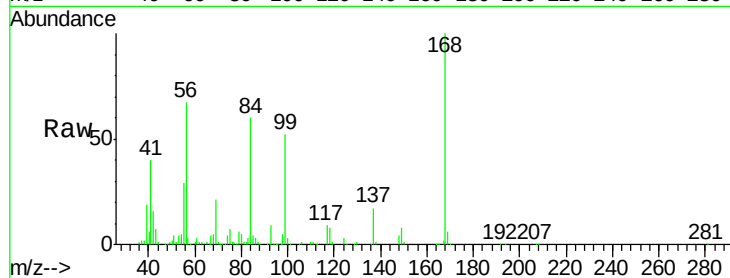
99 51.8 43.3 64.9

Manual Integrations

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1/27/2020 12:02:59 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

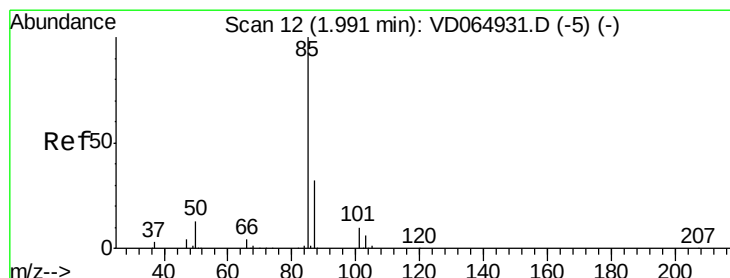
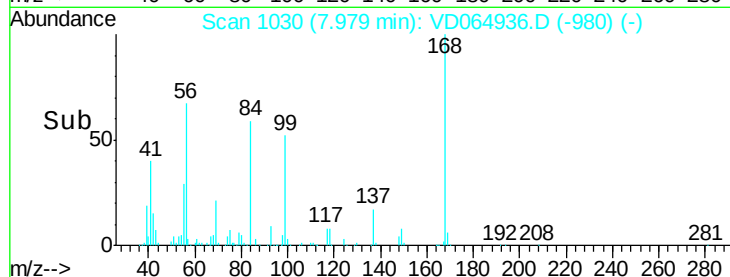
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.820 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064936.D

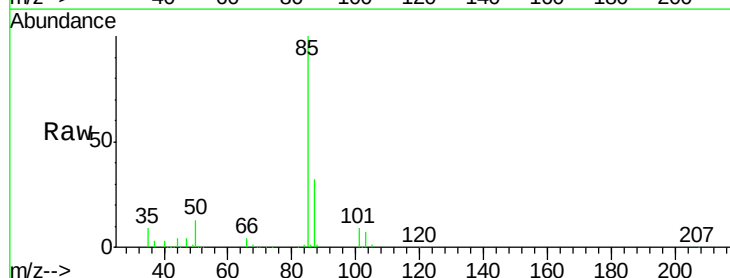
Acq: 24 Jan 2020 10:10

Tgt Ion: 85 Resp: 186889

Ion Ratio Lower Upper

85 100

87 31.9 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

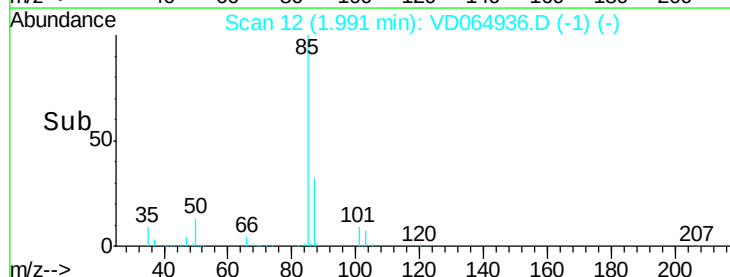
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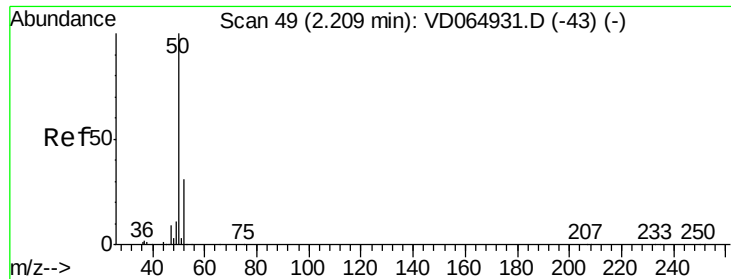
50000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 49.289 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 260531

Ion Ratio Lower Upper

50 100

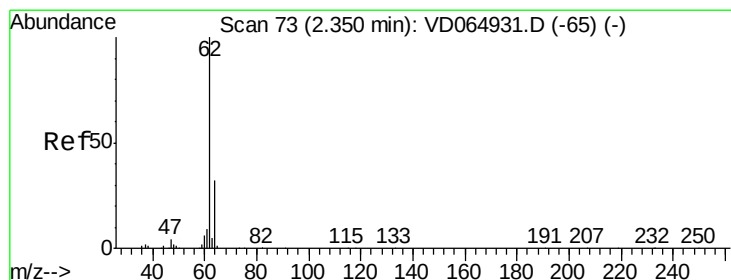
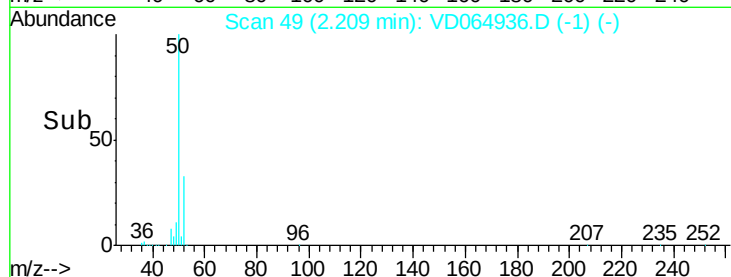
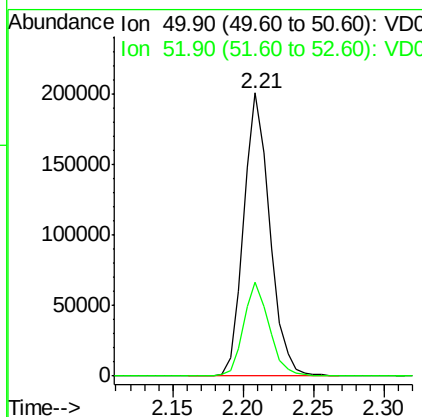
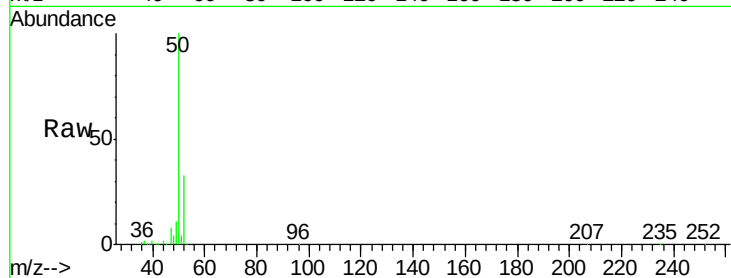
52 33.0 24.6 36.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 49.379 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064936.D

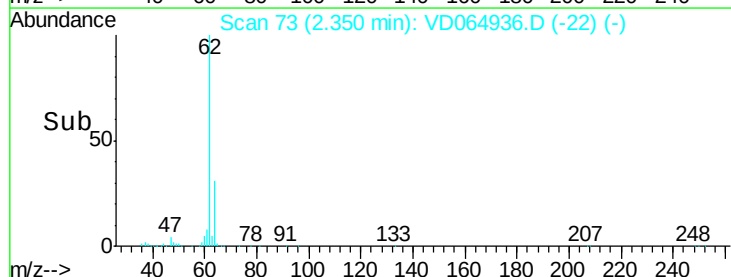
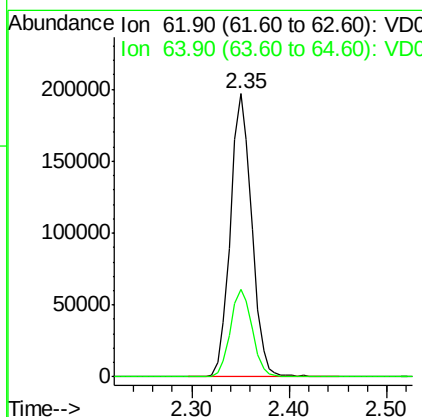
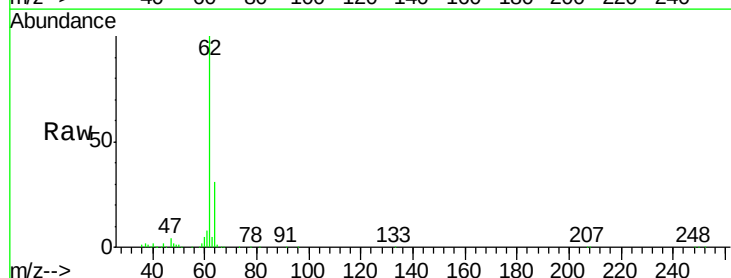
Acq: 24 Jan 2020 10:10

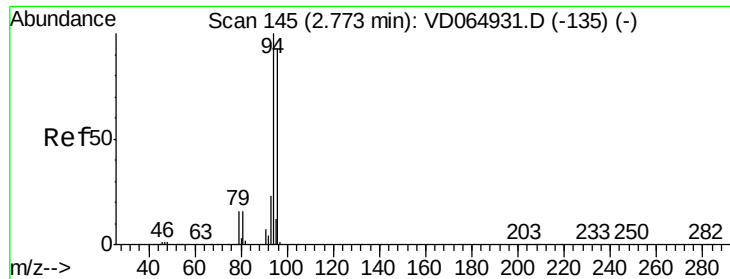
Tgt Ion: 62 Resp: 299780

Ion Ratio Lower Upper

62 100

64 30.8 25.6 38.4





#5

Bromomethane

Concen: 47.588 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 194339

Ion Ratio Lower Upper

94 100

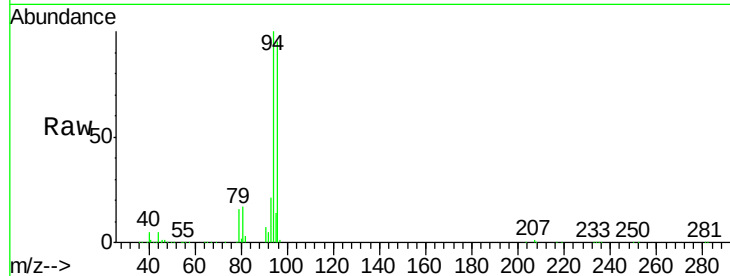
96 94.9 74.6 111.8

Manual Integrations

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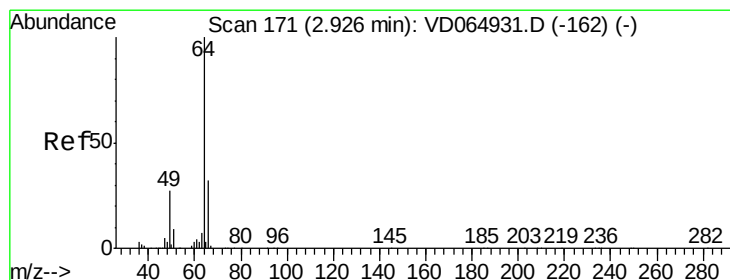
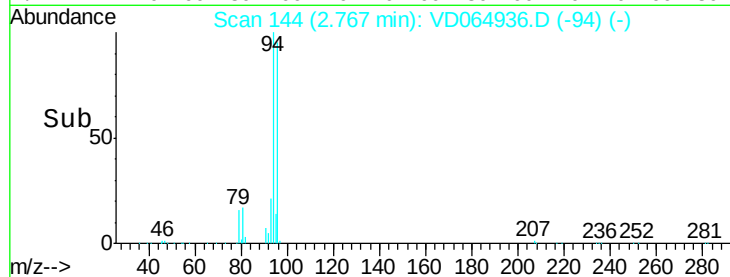
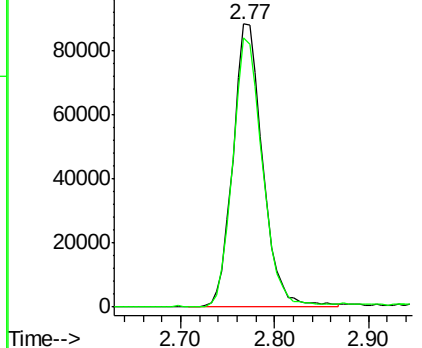
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.618 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064936.D

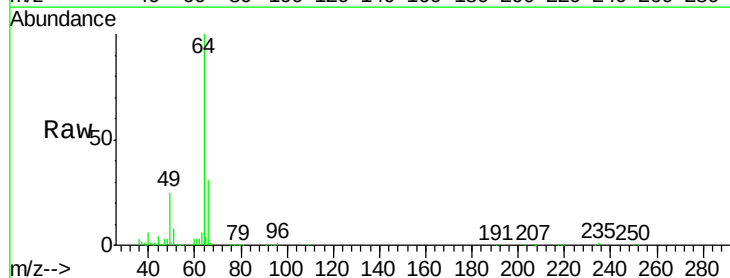
Acq: 24 Jan 2020 10:10

Tgt Ion: 64 Resp: 190586

Ion Ratio Lower Upper

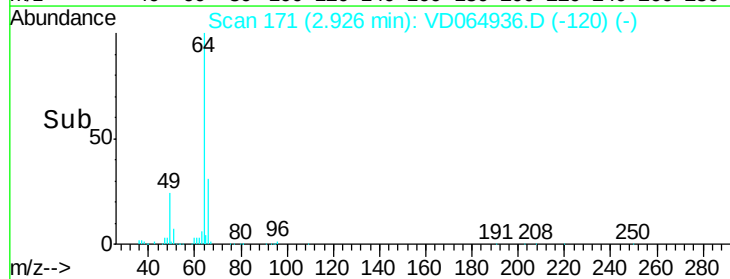
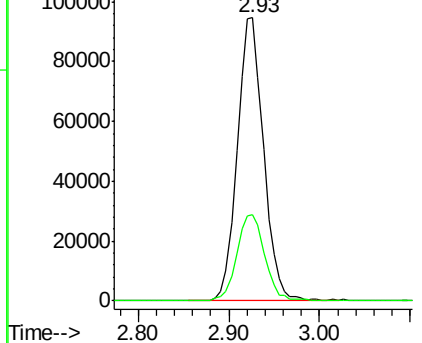
64 100

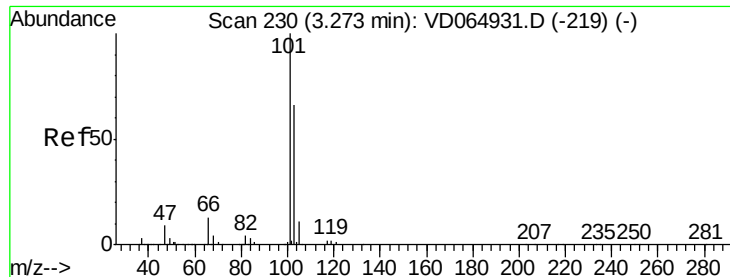
66 30.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

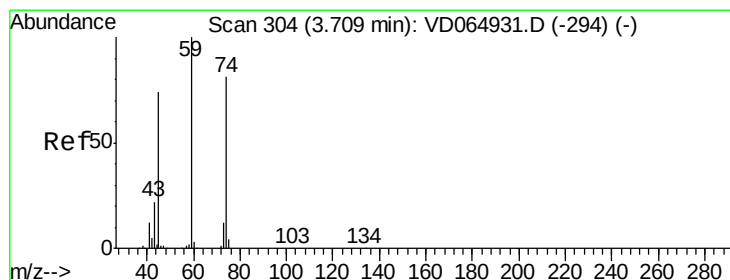
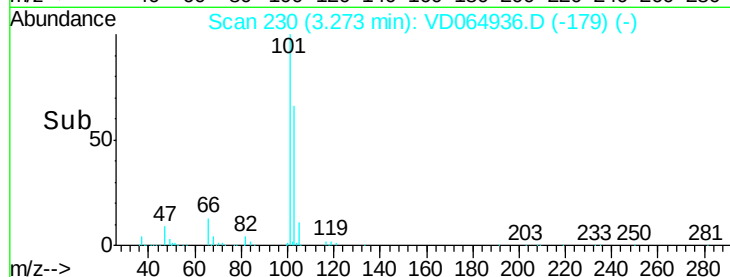
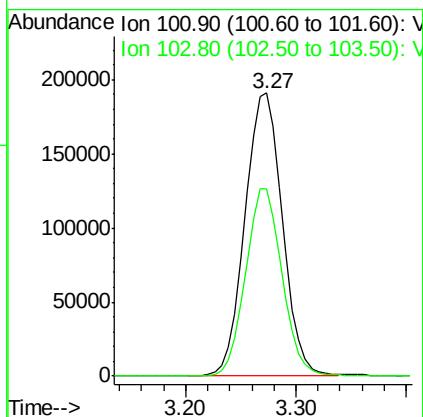
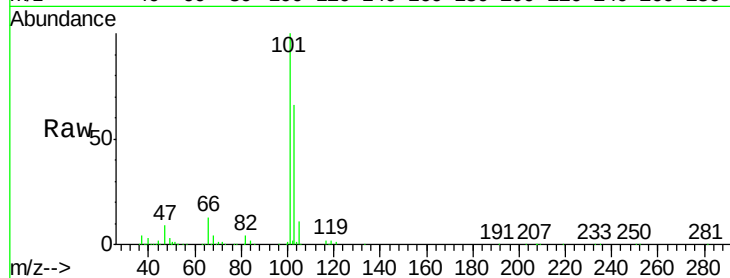
Trichlorofluoromethane
Concen: 48.623 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.3	52.5	78.7

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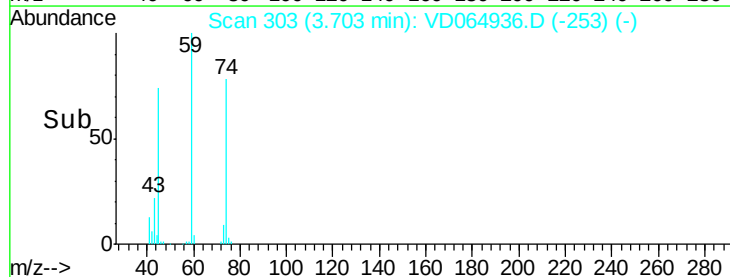
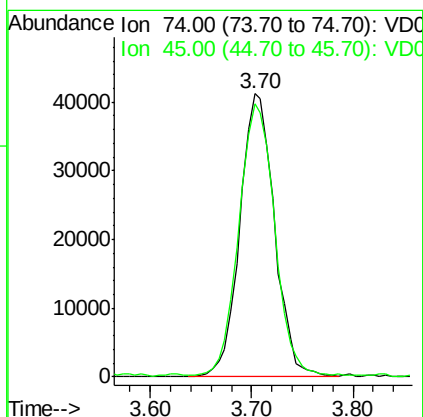
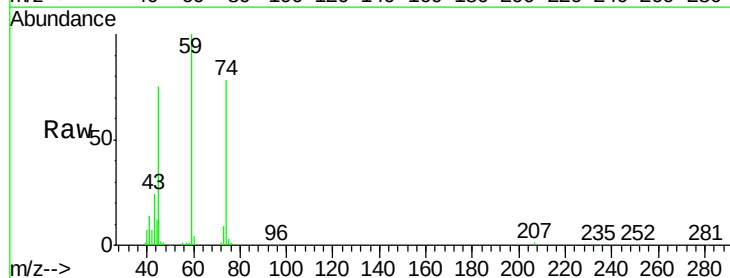
MMDadoda
1/27/2020 12:02:59 PM

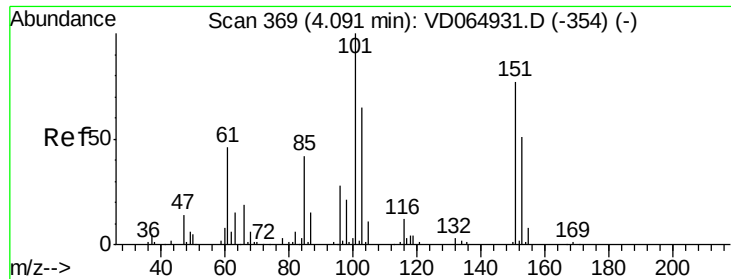


#8

Diethyl Ether
Concen: 46.101 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.3	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.386 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

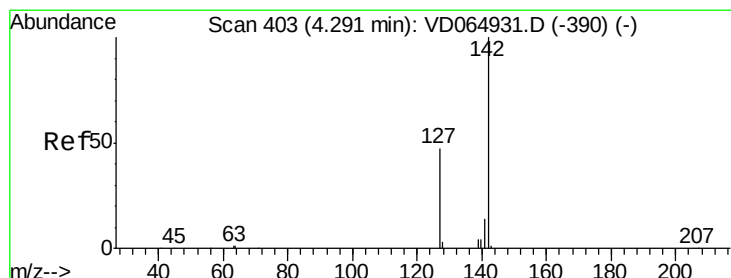
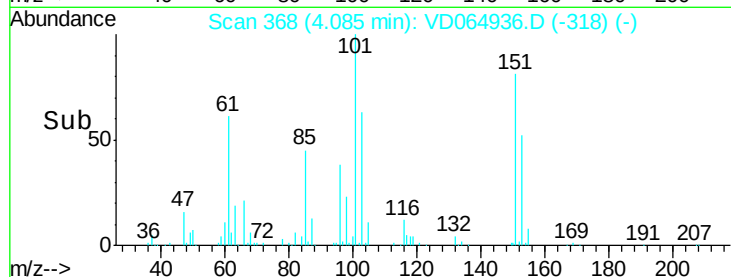
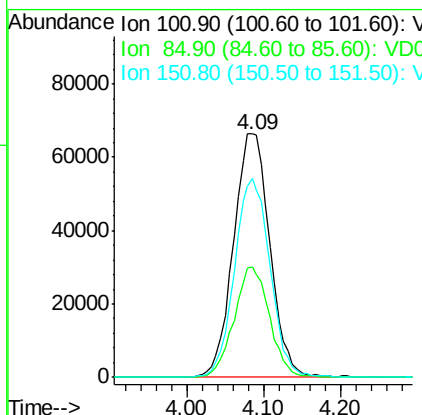
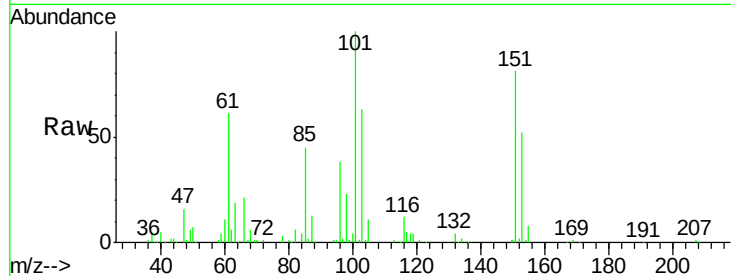
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	219792
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.0	52.4
151	79.4	64.6	96.8

Manual Integrations
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#10

Methyl Iodide

Concen: 48.961 ug/l

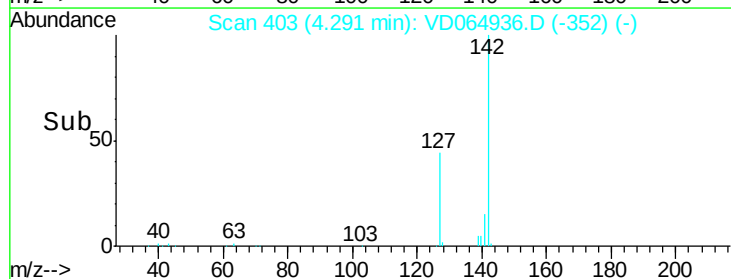
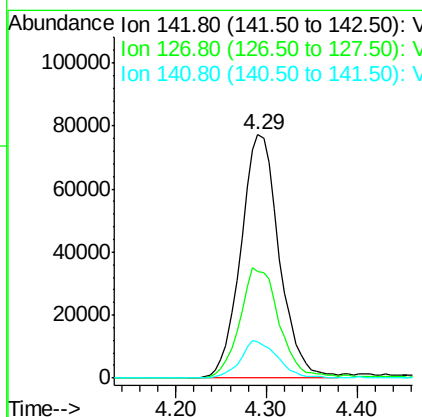
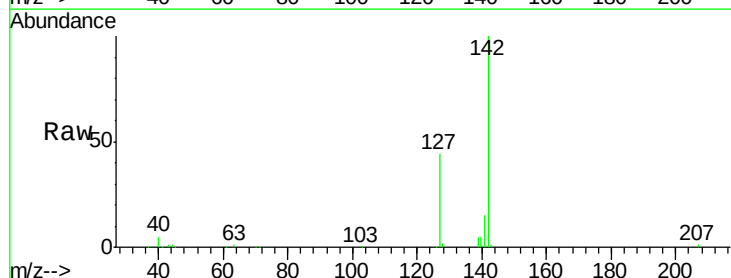
RT: 4.29 min Scan# 403

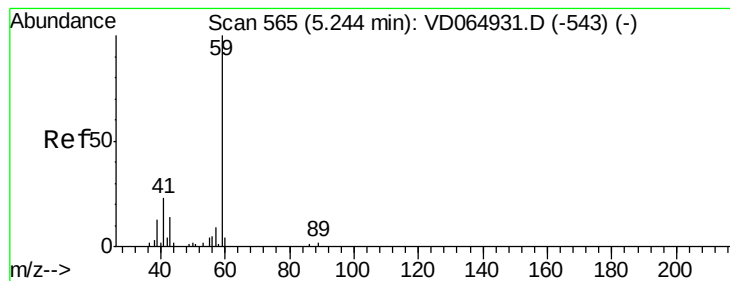
Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	142	Resp:	226703
Ion Ratio	Lower	Upper	
142	100		
127	46.5	36.2	54.2
141	15.0	11.6	17.4





#11

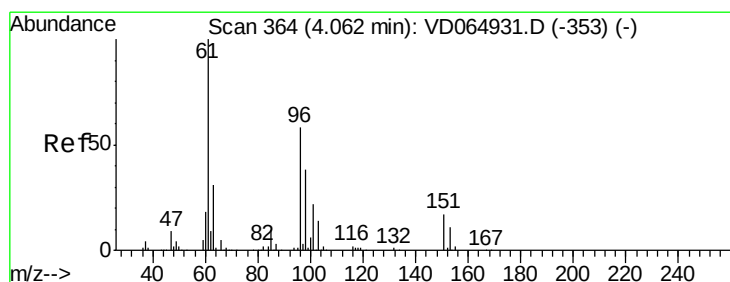
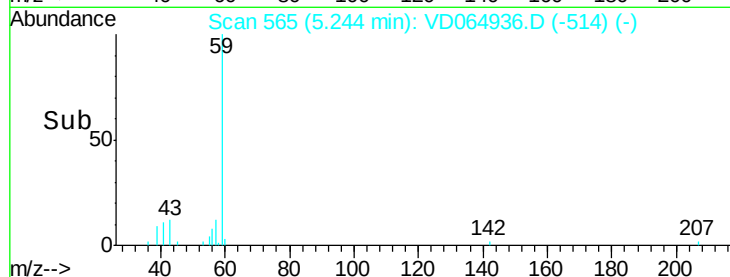
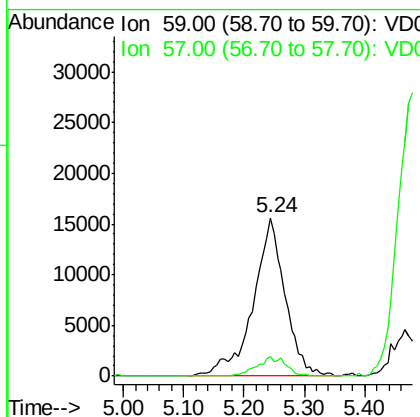
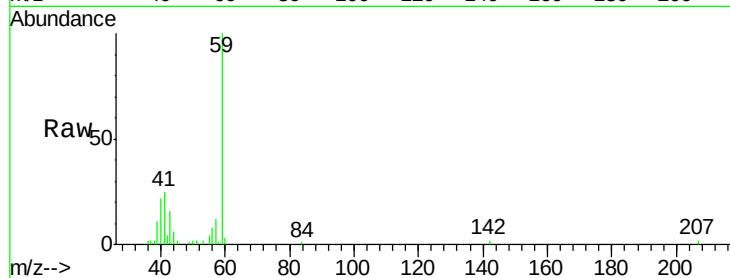
Tert butyl alcohol
Concen: 226.419 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	Resp	57456
Ion Ratio	100	Lower	Upper
59	100		
57	11.2	7.7	11.5

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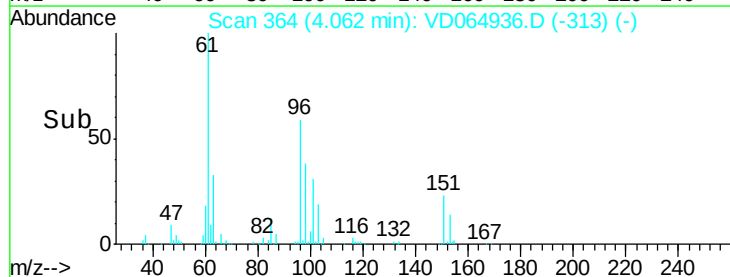
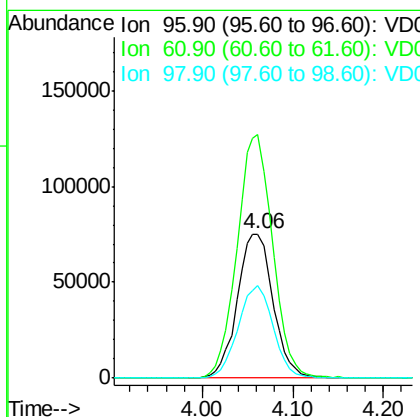
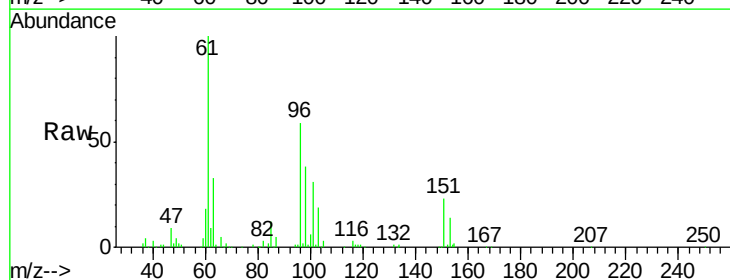
MMDadoda
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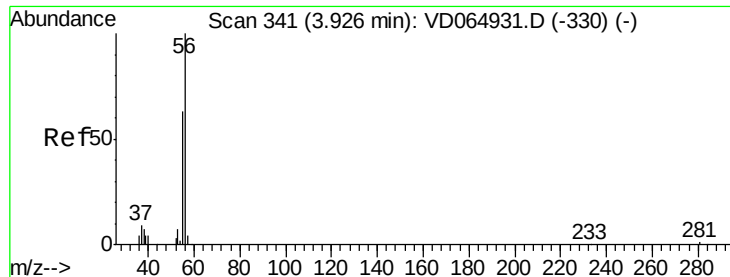


#12

1,1-Dichloroethene
Concen: 49.701 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	96	Resp	207114
Ion Ratio	100	Lower	Upper
96	100		
61	169.2	137.0	205.4
98	64.4	52.1	78.1





#13

Acrolein

Concen: 242.777 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 77231

Ion Ratio Lower Upper

56 100

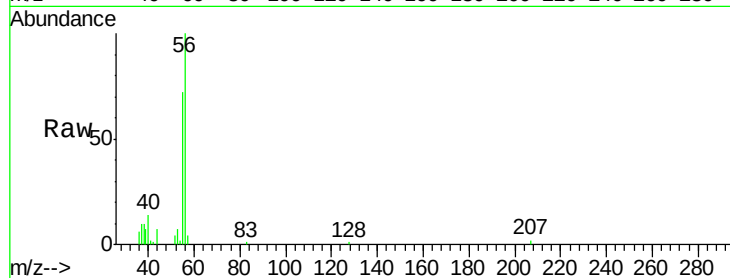
55 71.4 59.7 89.5

Manual Integrations

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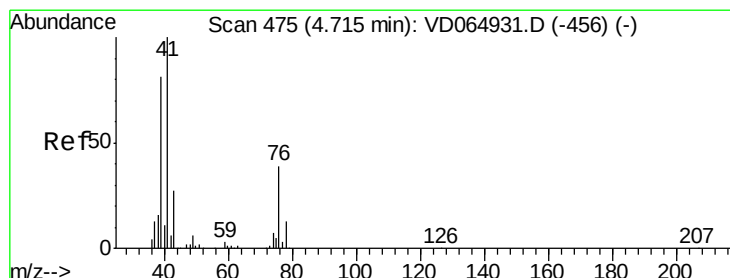
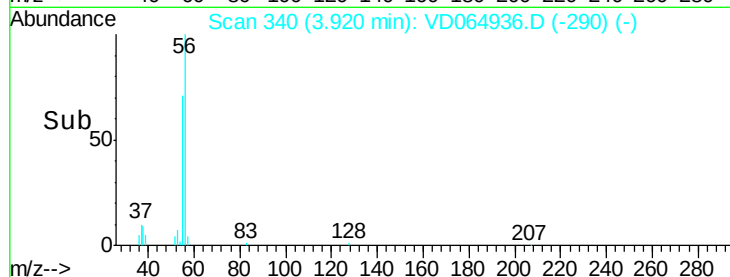
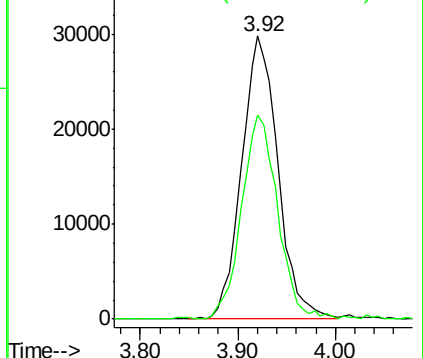
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 50.490 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

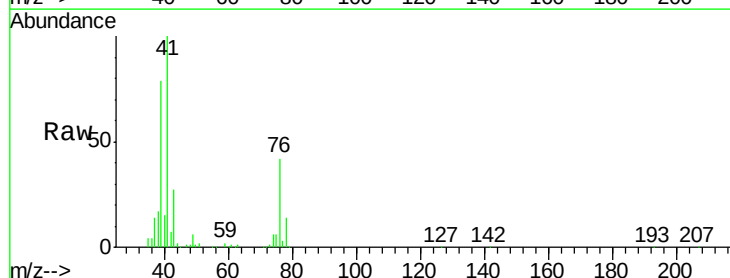
Tgt Ion: 41 Resp: 335576

Ion Ratio Lower Upper

41 100

39 75.5 62.0 93.0

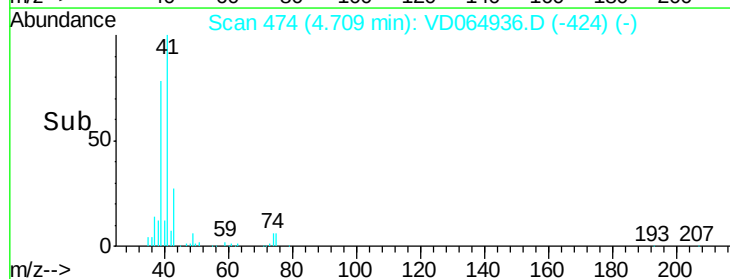
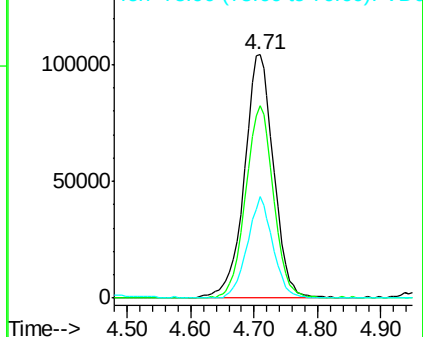
76 35.9 29.3 43.9

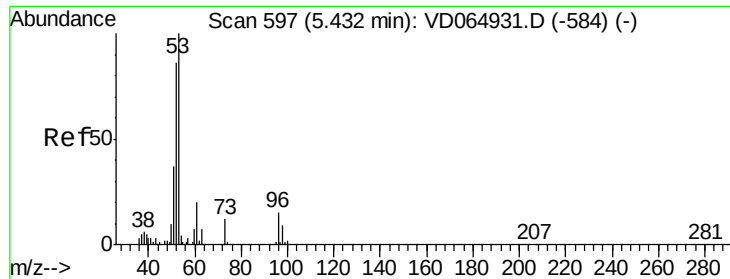


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 237.079 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

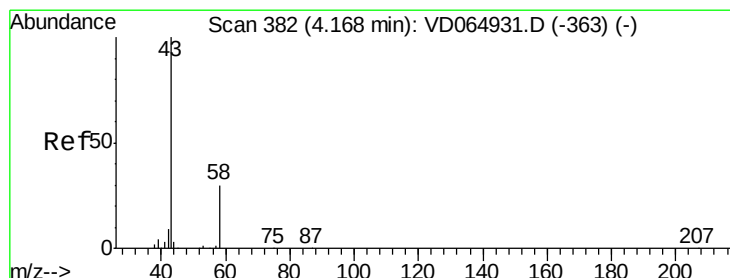
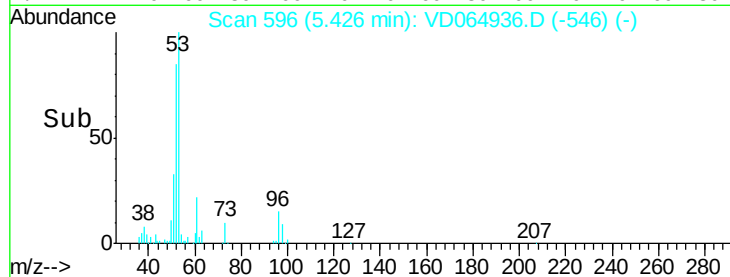
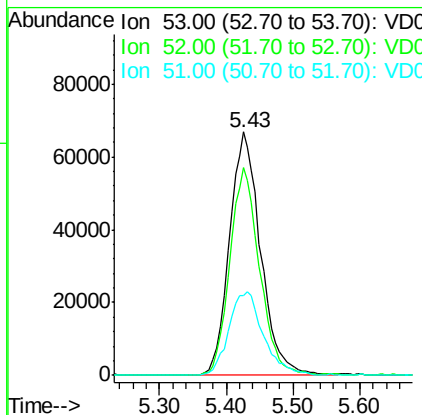
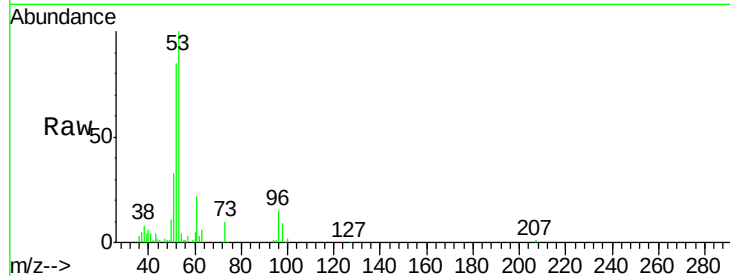
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	217303
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	38.0	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 223.941 ug/l

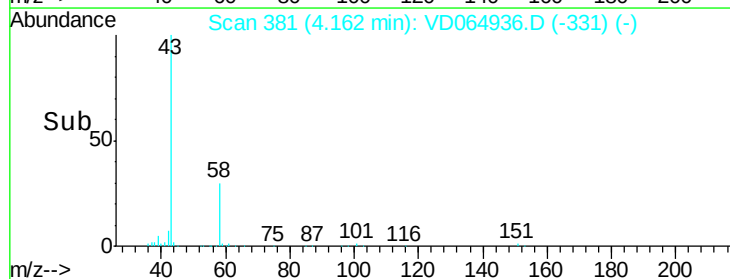
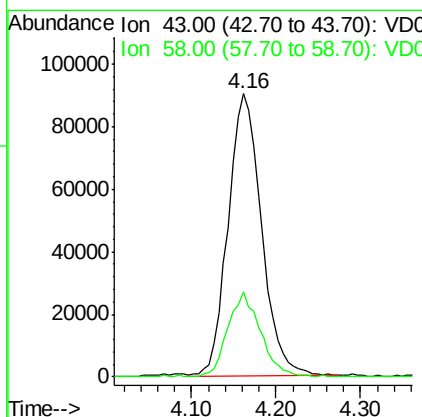
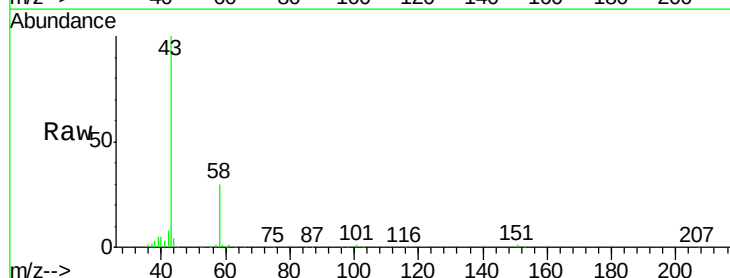
RT: 4.16 min Scan# 381

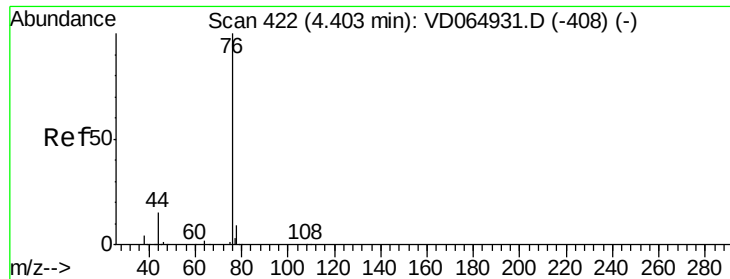
Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	43	Resp:	246458
Ion	Ratio	Lower	Upper
43	100		
58	29.8	23.8	35.8





#17

Carbon Disulfide

Concen: 50.388 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 691065

Ion Ratio Lower Upper

76 100

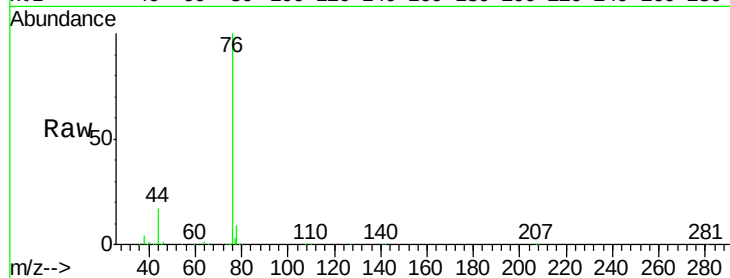
78 9.2 7.1 10.7

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

250000

200000

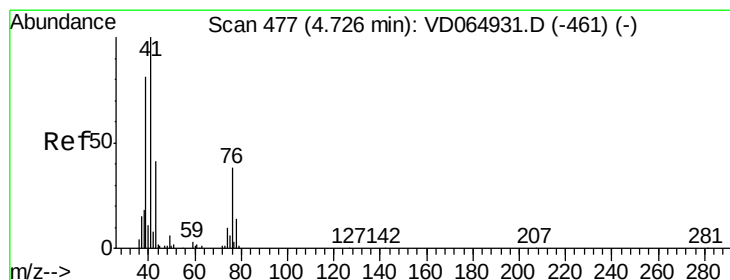
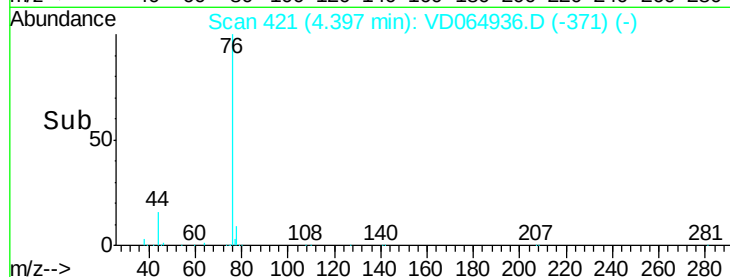
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 46.123 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD064936.D

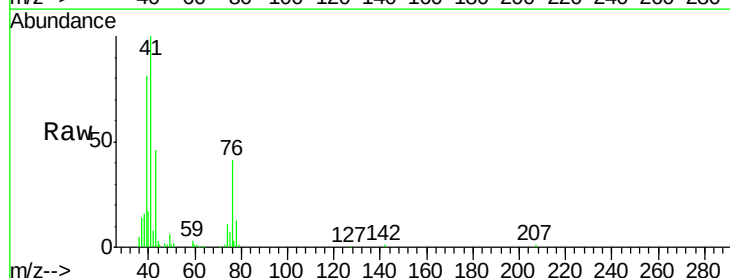
Acq: 24 Jan 2020 10:10

Tgt Ion: 43 Resp: 99194

Ion Ratio Lower Upper

43 100

74 23.1 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

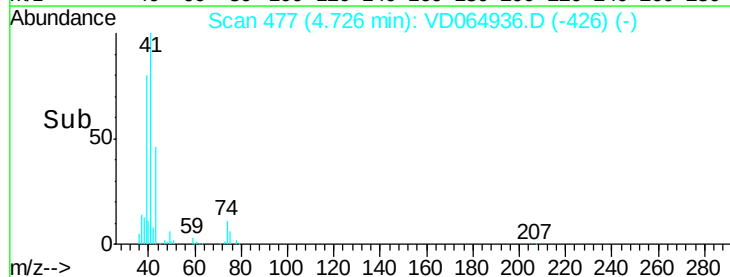
30000

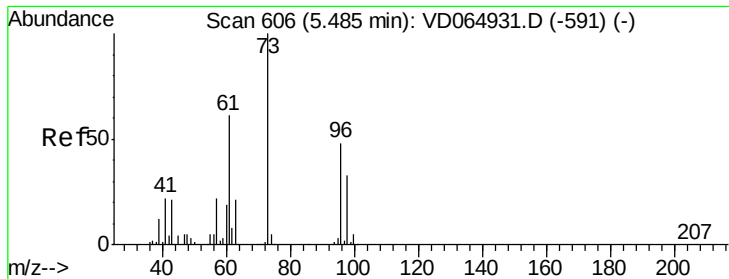
20000

10000

0

Time-->





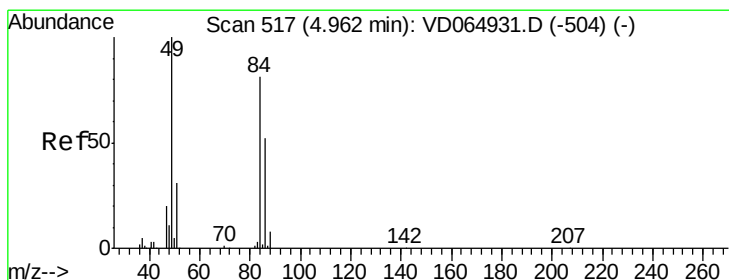
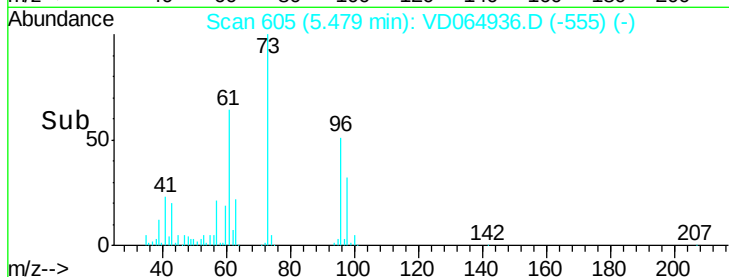
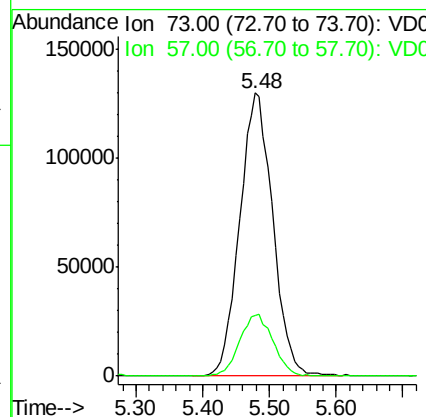
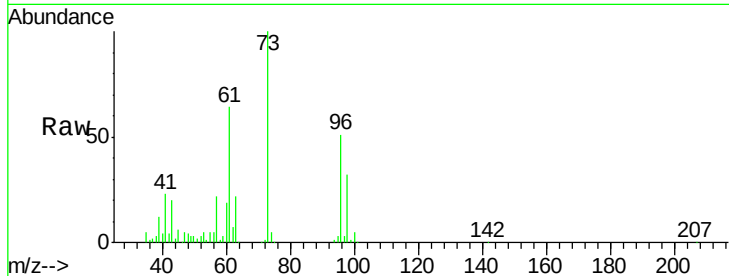
#19
Methyl tert-butyl Ether
Concen: 47.669 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 443859
Ion Ratio Lower Upper
73 100
57 21.5 17.9 26.9

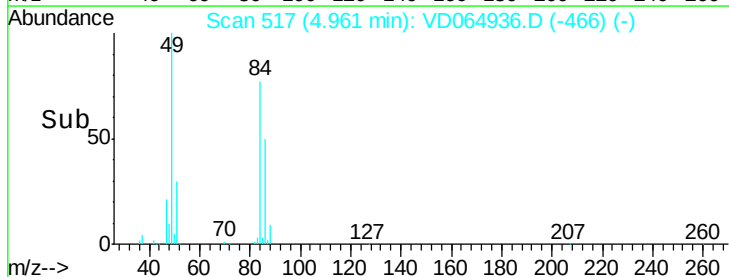
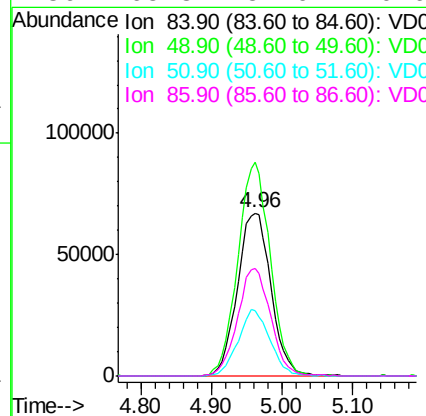
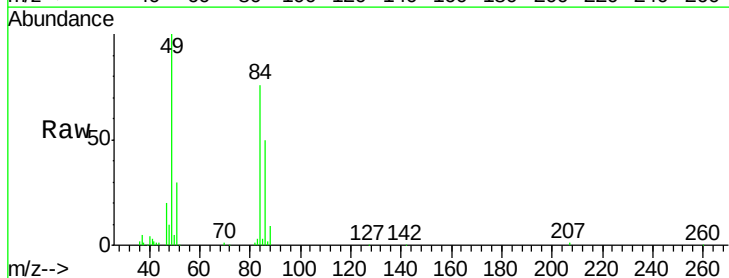
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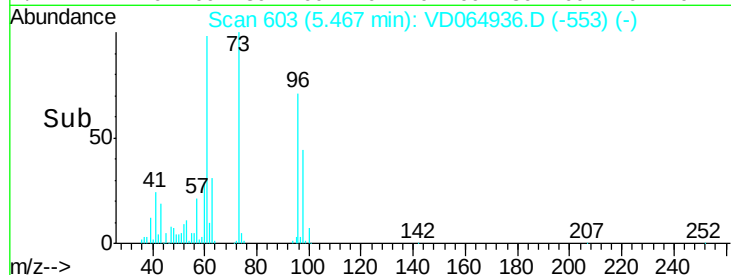
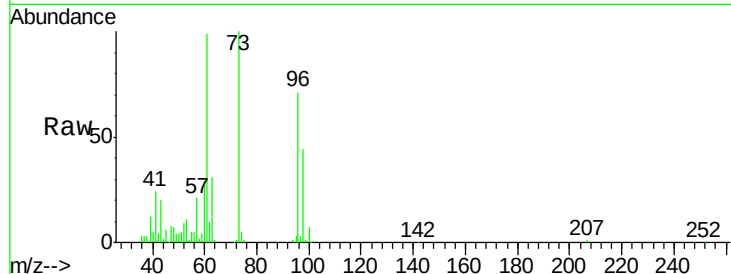
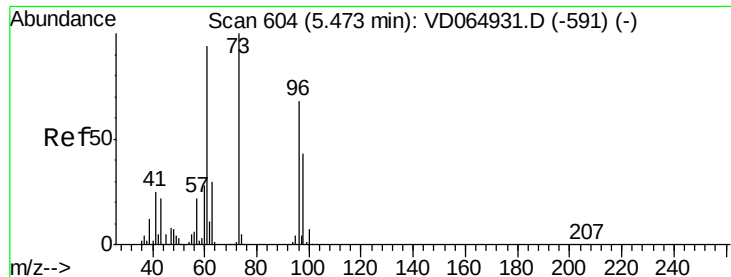
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#20
Methylene Chloride
Concen: 49.723 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion: 84 Resp: 222193
Ion Ratio Lower Upper
84 100
49 131.0 98.4 147.6
51 39.7 30.8 46.2
86 65.8 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 49.500 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tot Ion:	96	Resp:	237656
Ion	Ratio	Lower	Upper
96	100		
61	138.3	110.4	165.6
98	61.1	50.5	75.7

Instrument :

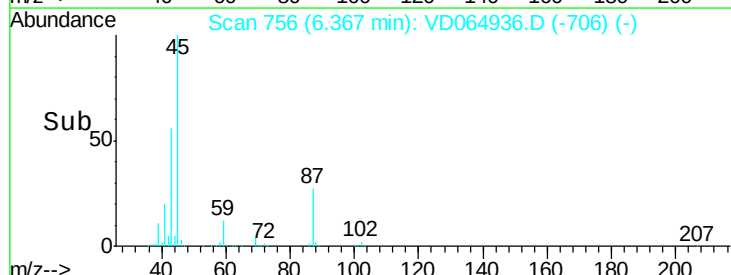
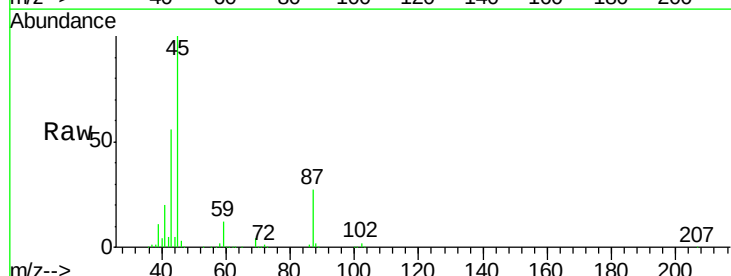
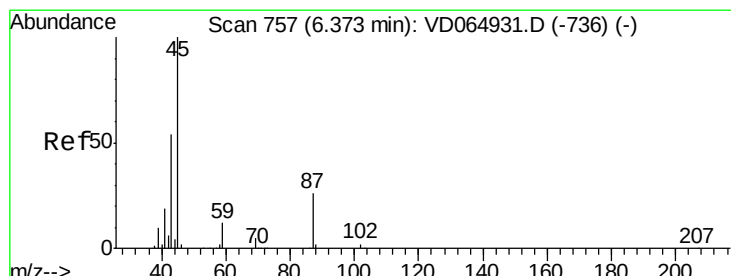
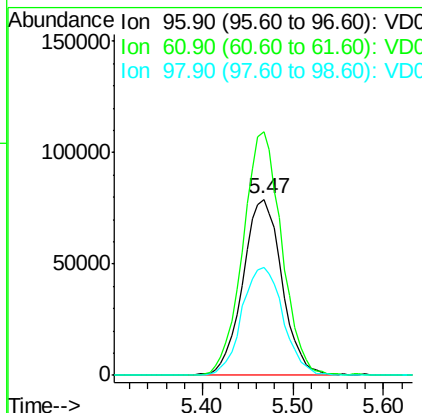
MSVOA_D

ClientSampleId :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 49.432 ug/l

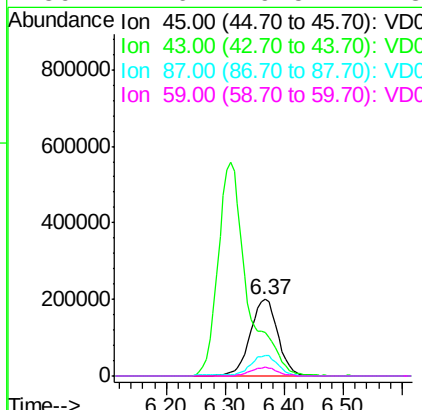
RT: 6.37 min Scan# 756

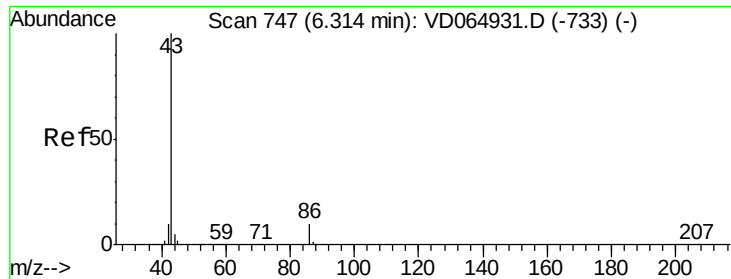
Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	45	Resp:	654755
Ion	Ratio	Lower	Upper
45	100		
43	56.0	43.1	64.7
87	27.2	21.4	32.2
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 245.392 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1903050

Ion Ratio Lower Upper

43 100

86 10.9

8.3

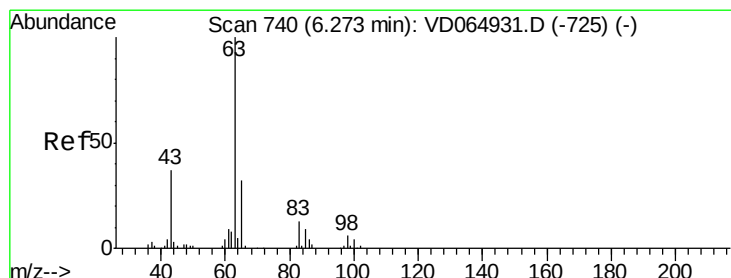
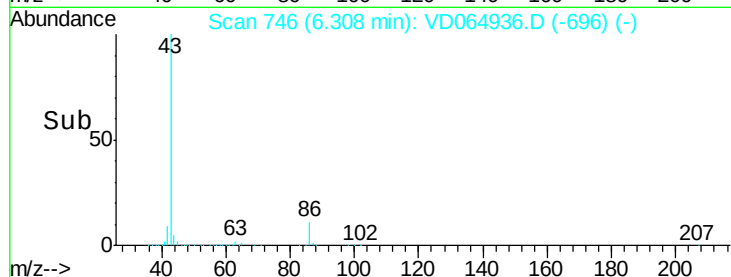
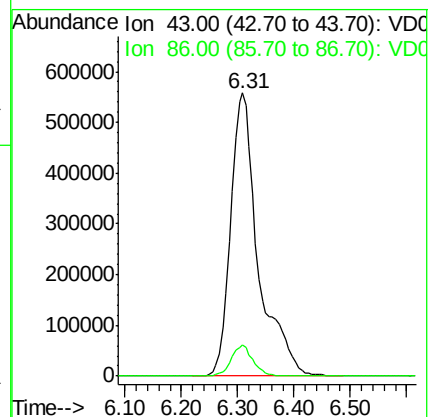
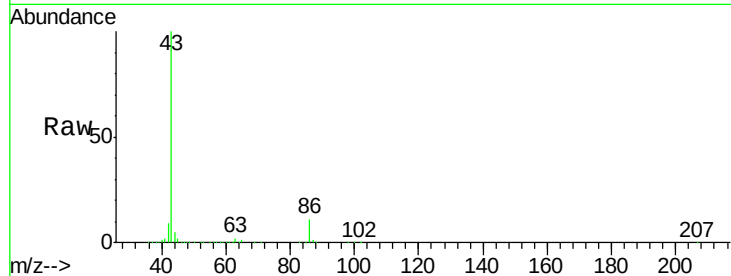
12.5

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#24

1,1-Dichloroethane

Concen: 48.971 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion: 63 Resp: 398257

Ion Ratio Lower Upper

63 100

98 6.7

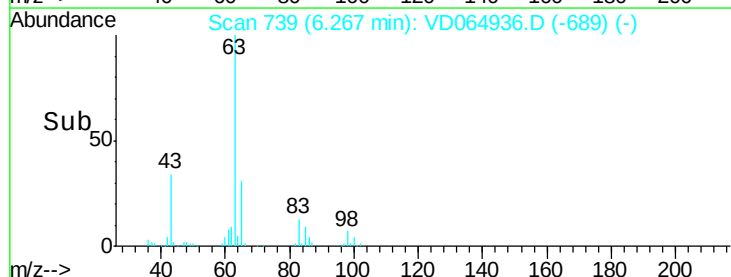
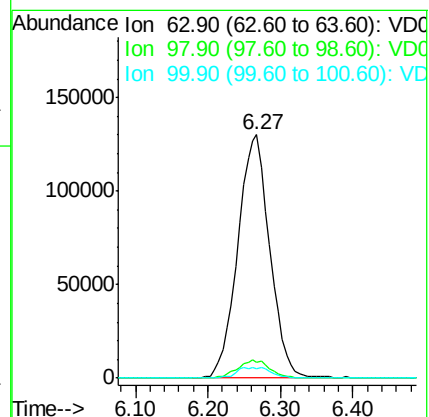
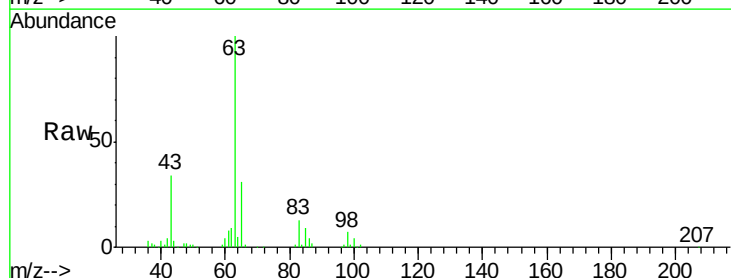
3.1

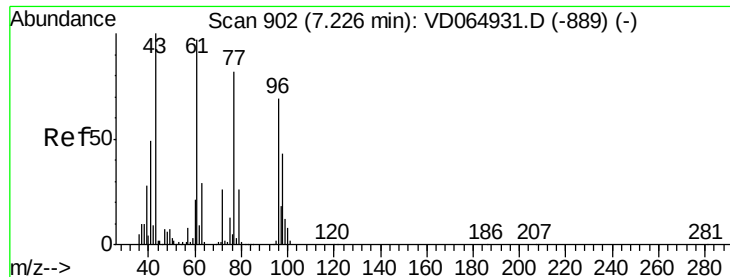
9.3

100 4.1

2.3

6.8





#25

2-Butanone

Concen: 239.337 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 296923

Ion Ratio Lower Upper

43 100

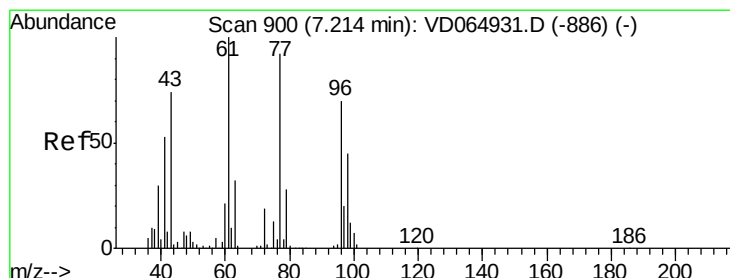
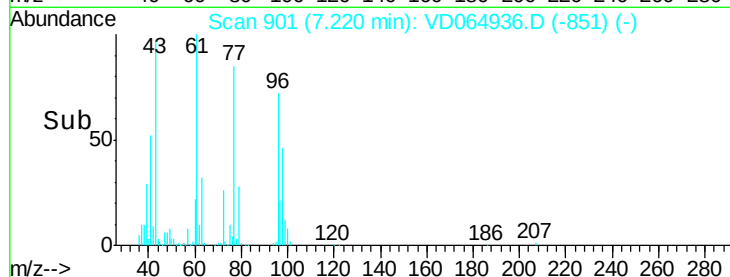
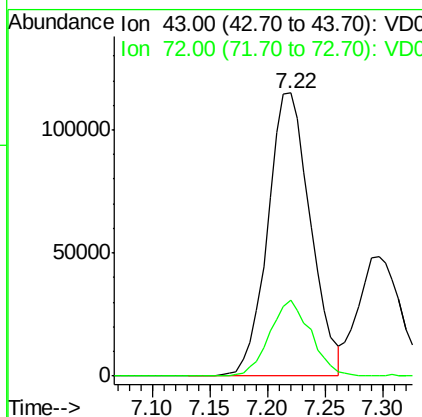
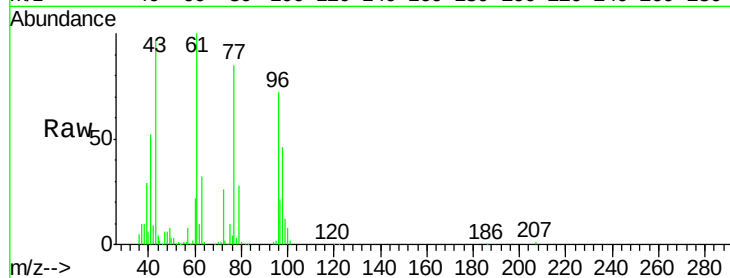
72 26.7 20.6 31.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.345 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064936.D

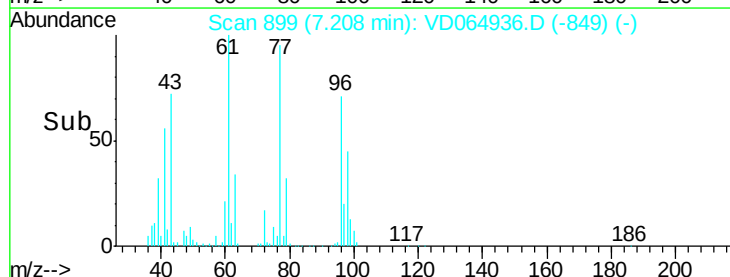
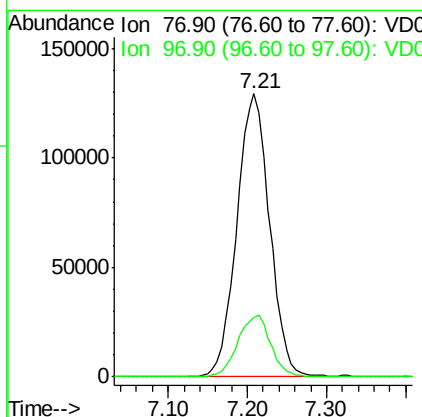
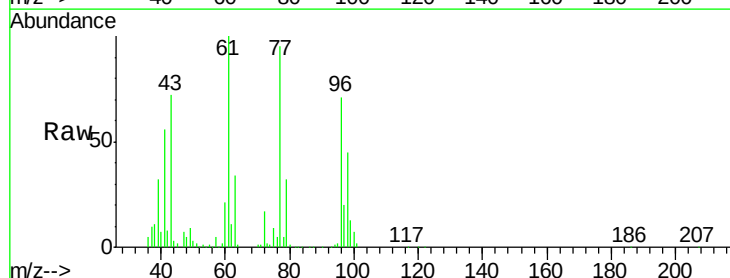
Acq: 24 Jan 2020 10:10

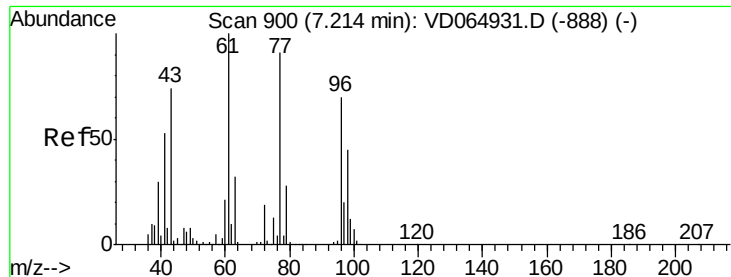
Tgt Ion: 77 Resp: 371378

Ion Ratio Lower Upper

77 100

97 21.7 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 49.261 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

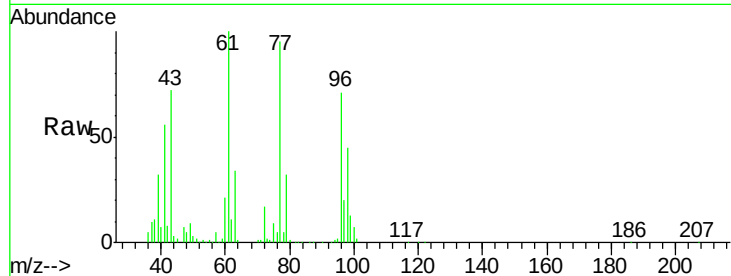
ClientSampleId :

VSTDCCC050

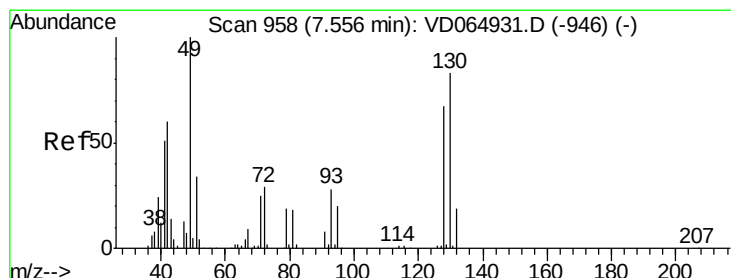
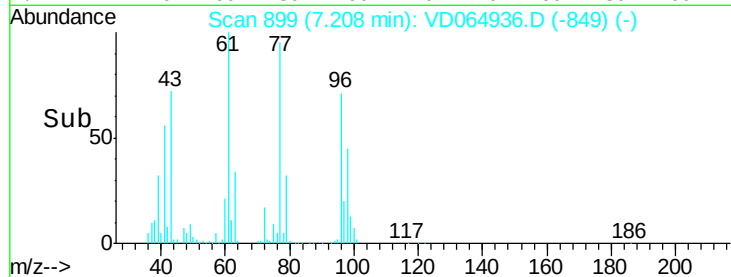
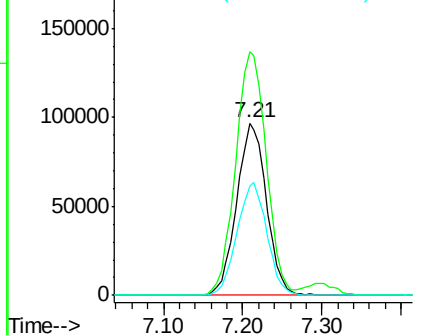
Tot Ion:	96	Resp:	252438
Ion	Ratio	Lower	Upper
96	100		
61	145.9	0.0	292.8
98	65.5	0.0	130.0

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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 49.463 ug/l

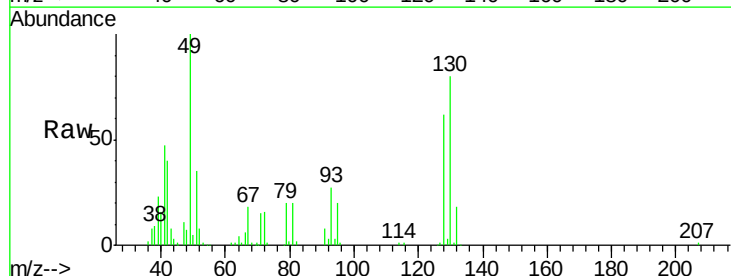
RT: 7.54 min Scan# 956

Delta R.T. -0.01 min

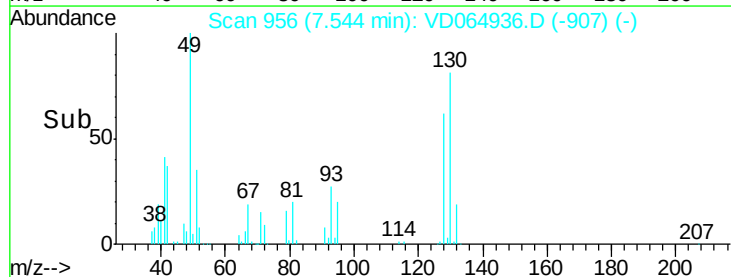
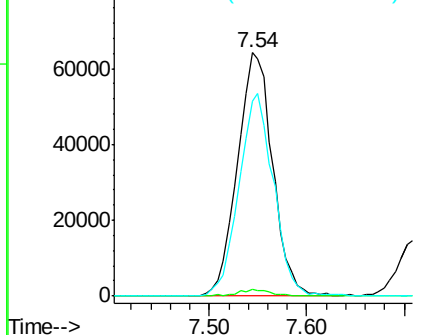
Lab File: VD064936.D

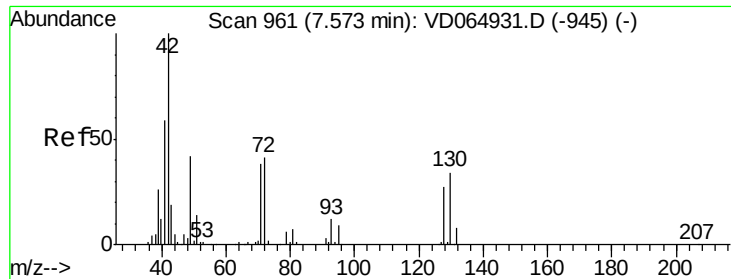
Acq: 24 Jan 2020 10:10

Tgt Ion:	49	Resp:	160876
Ion	Ratio	Lower	Upper
49	100		
129	2.4	0.0	4.4
130	81.8	63.8	95.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





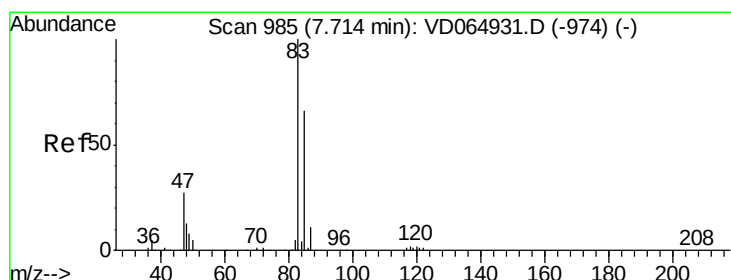
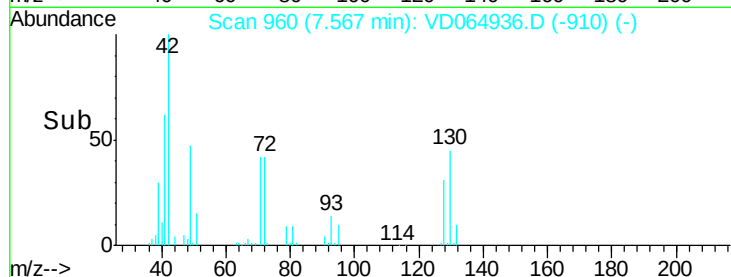
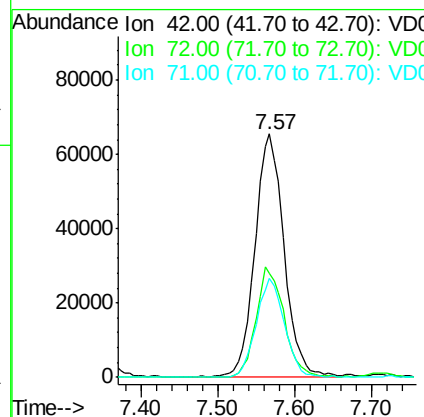
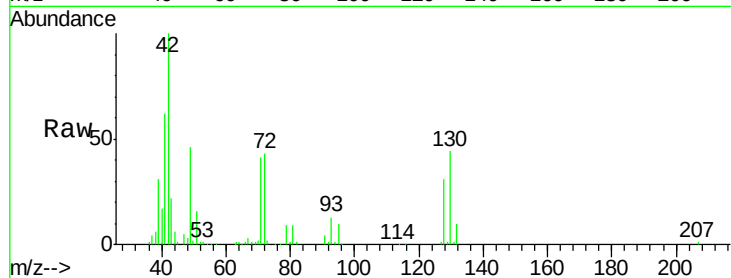
#29
Tetrahydrofuran
Concen: 227.476 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.4	34.0	51.0
71	39.1	31.5	47.3

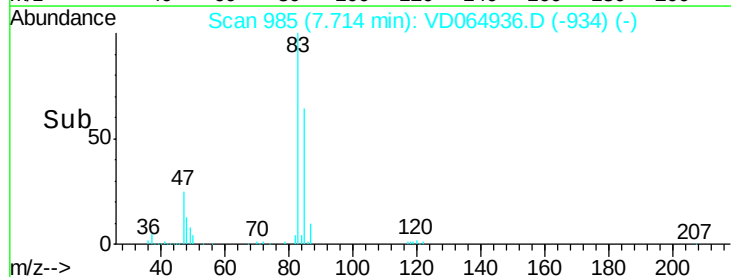
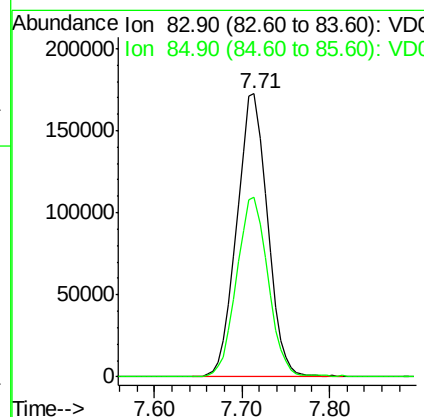
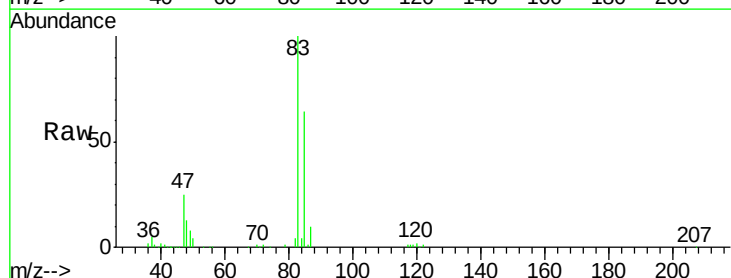
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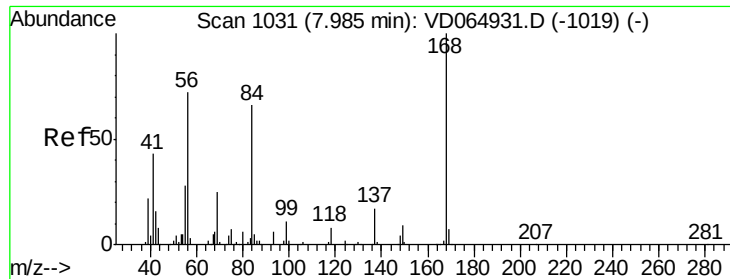
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1/27/2020 12:02:59 PM



#30
Chloroform
Concen: 48.989 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.4	78.6





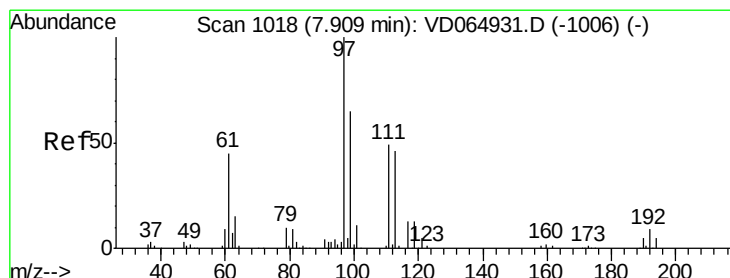
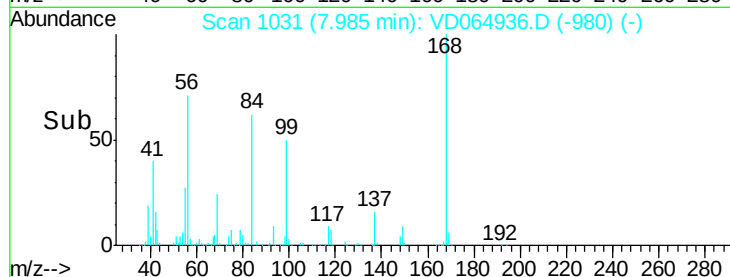
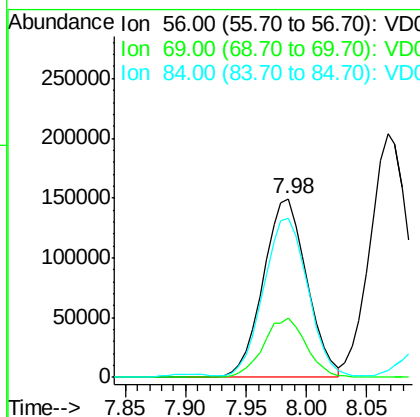
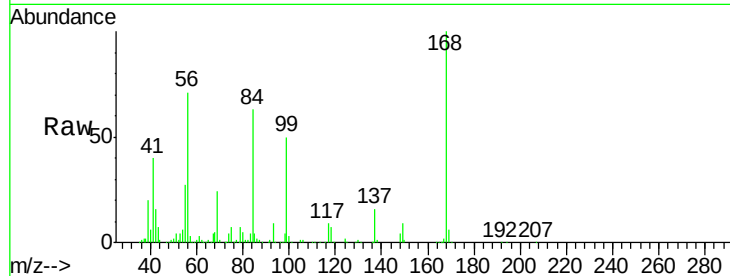
#31
Cyclohexane
Concen: 46.505 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	33.4	27.9	41.9
84	87.6	72.8	109.2

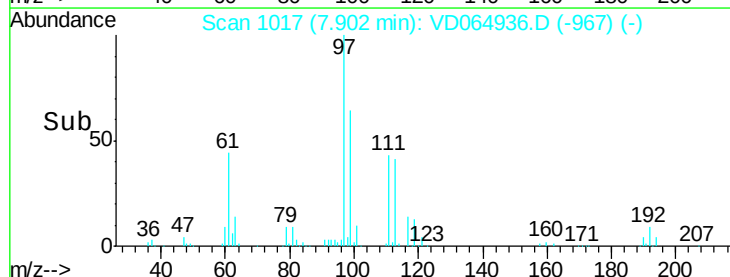
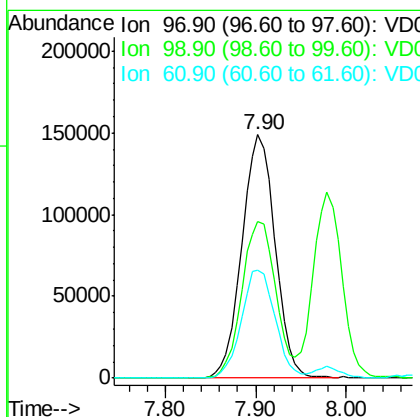
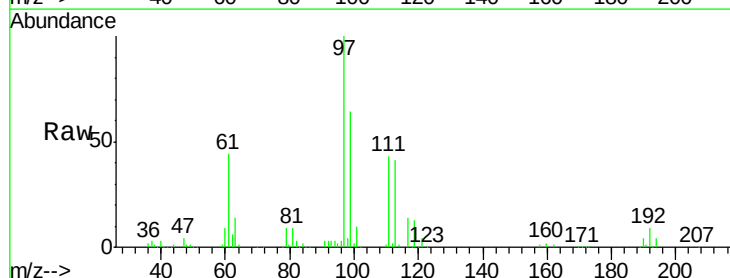
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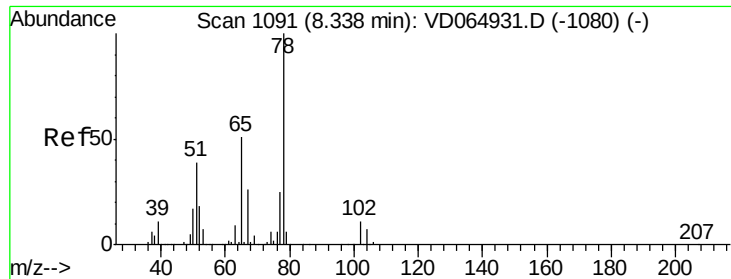
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#32
1,1,1-Trichloroethane
Concen: 48.668 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.8	50.6	76.0
61	45.1	35.7	53.5





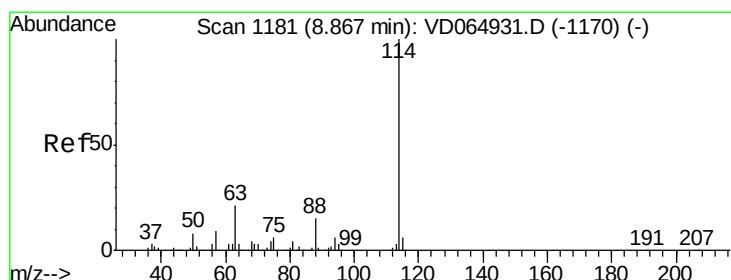
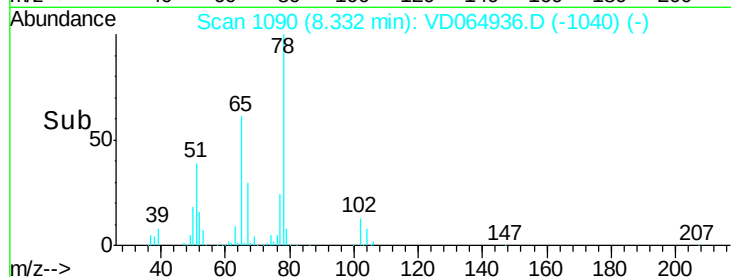
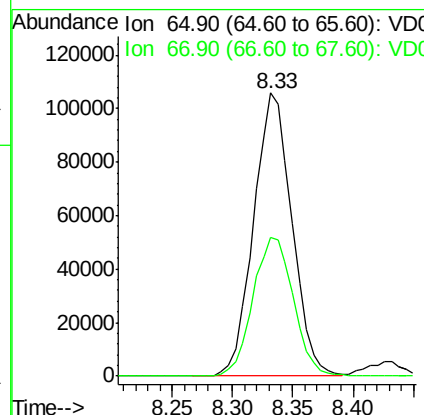
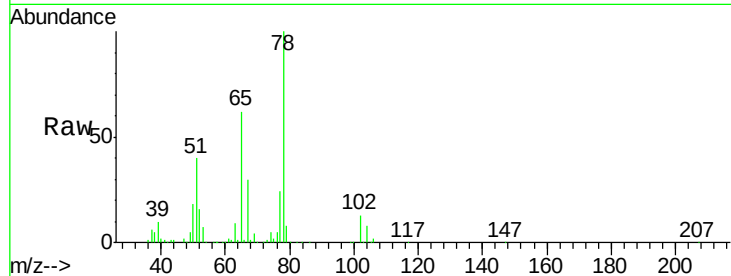
#33
 1,2-Dichloroethane-d4
 Concen: 50.688 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	232763		
67	51.7	0.0	103.6	

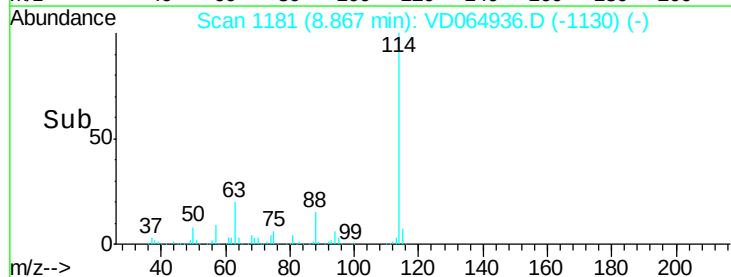
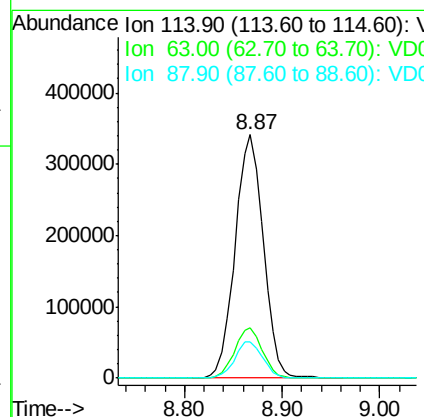
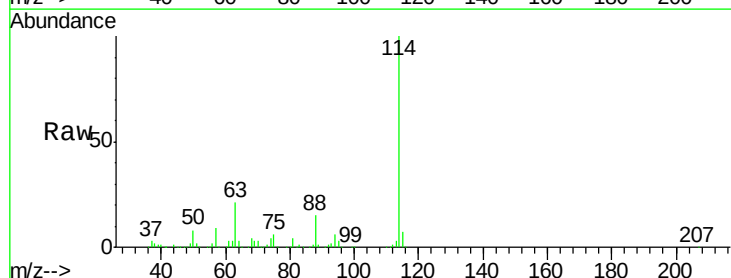
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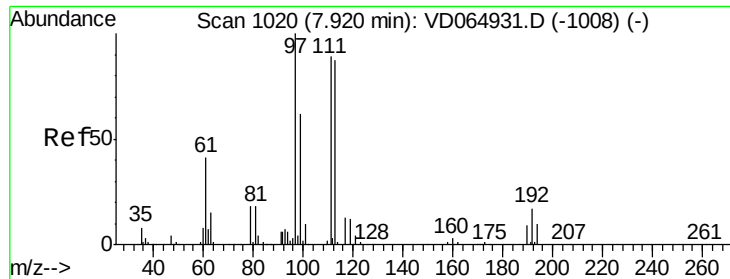
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	688072		
63	20.5	0.0	42.0	
88	14.7	0.0	29.4	





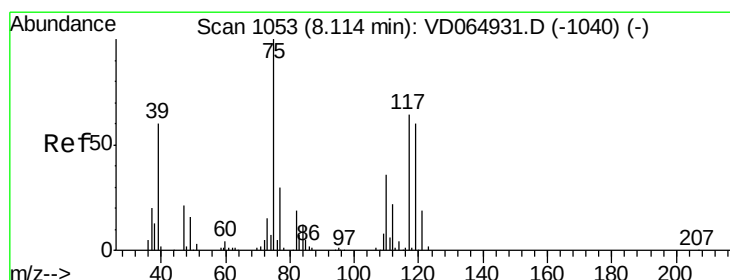
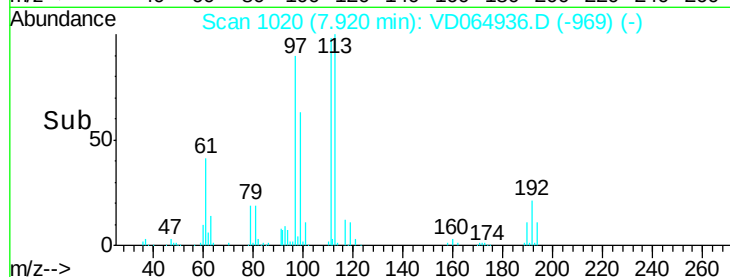
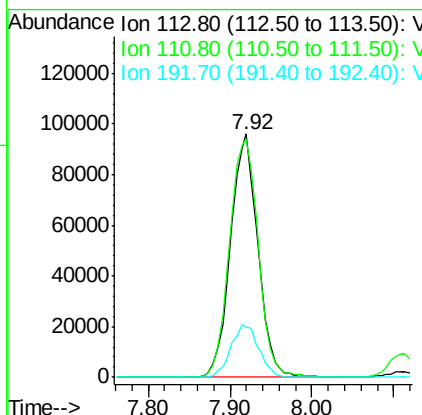
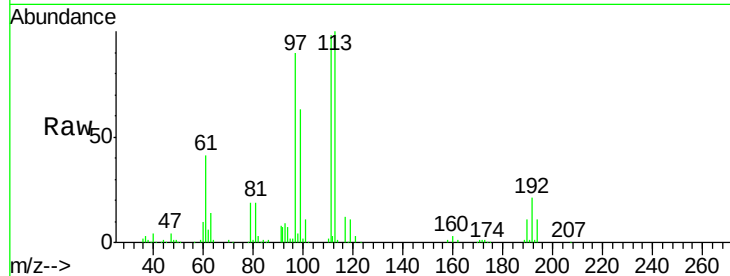
#35
 Dibromofluoromethane
 Concen: 51.654 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223348		
111	103.1	82.4	123.6	
192	22.2	16.9	25.3	

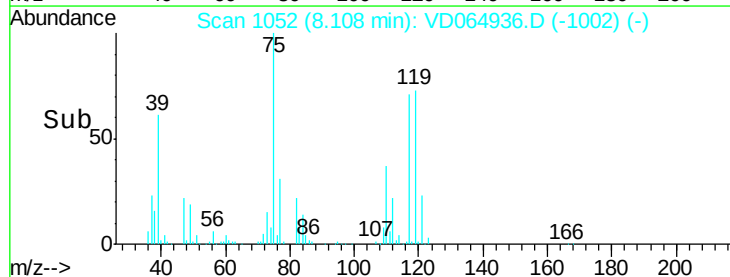
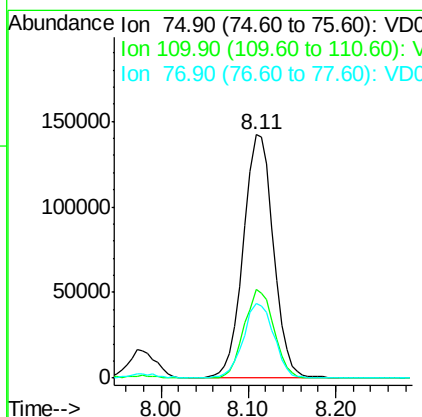
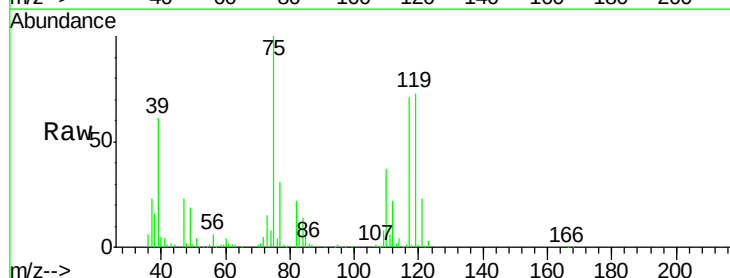
Manual Integrations
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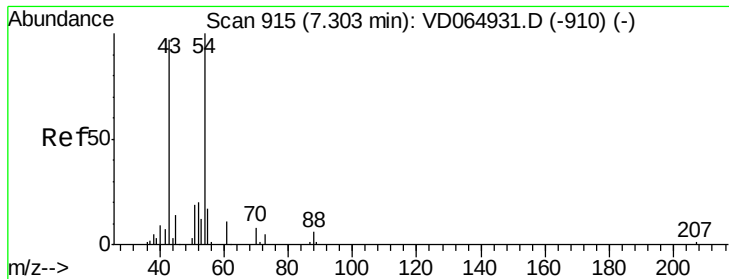
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#36
 1,1-Dichloropropene
 Concen: 49.751 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	330095		
110	36.2	17.3	52.0	
77	31.4	24.7	37.1	





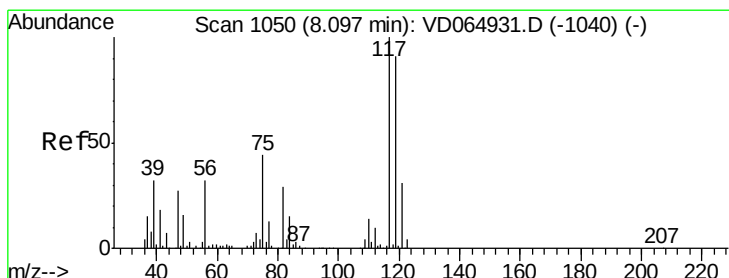
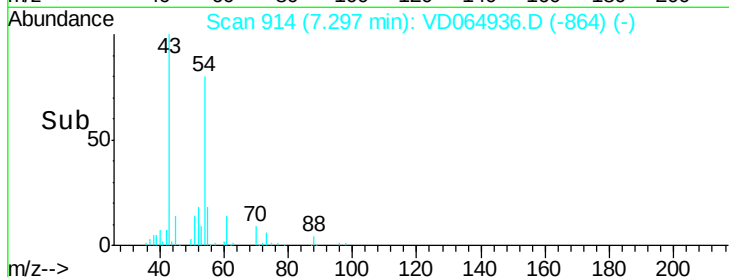
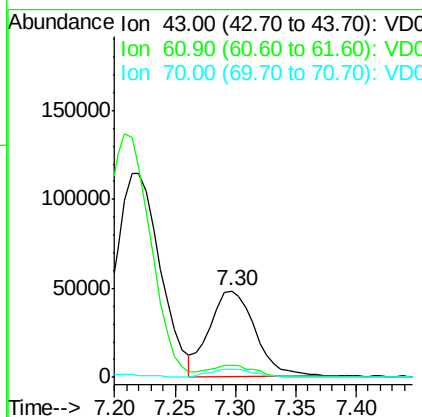
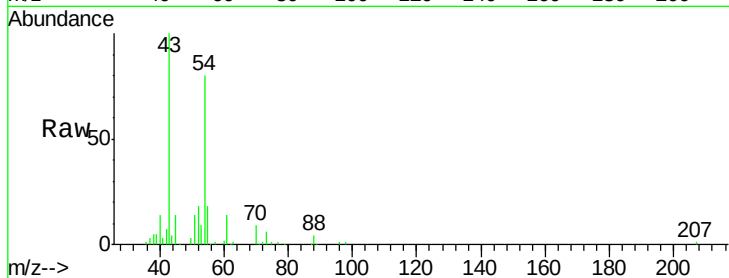
#37
Ethyl Acetate
Concen: 45.973 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.0	16.4
70	9.5	7.5	11.3

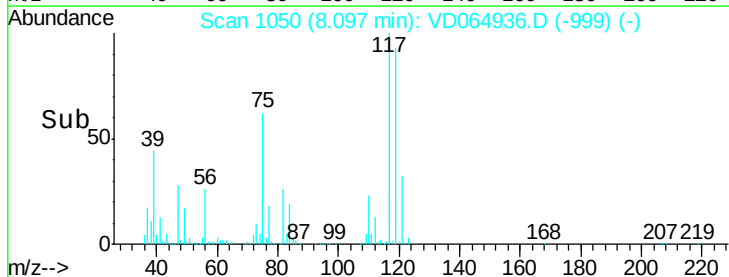
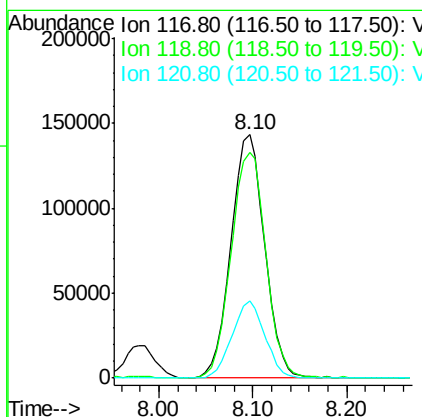
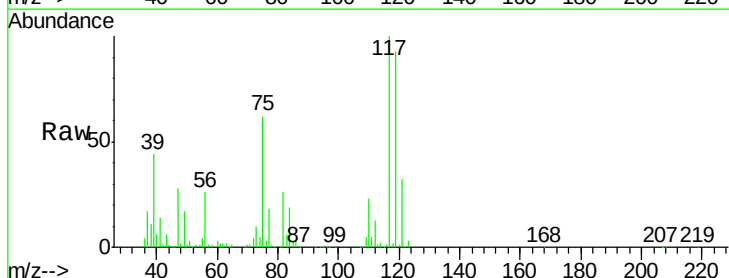
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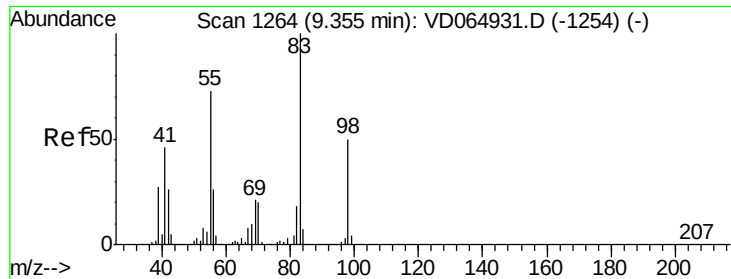
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#38
Carbon Tetrachloride
Concen: 50.659 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	73.2	109.8
121	31.8	24.4	36.6





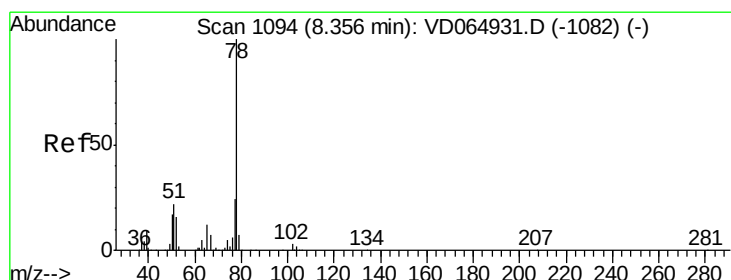
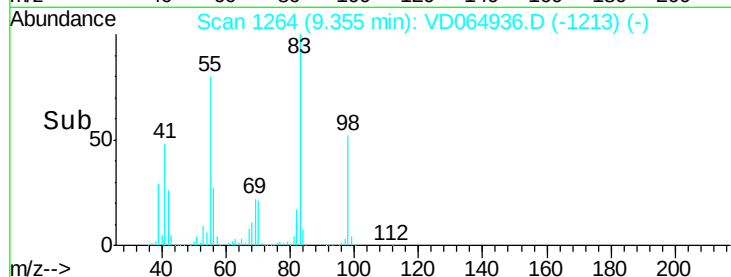
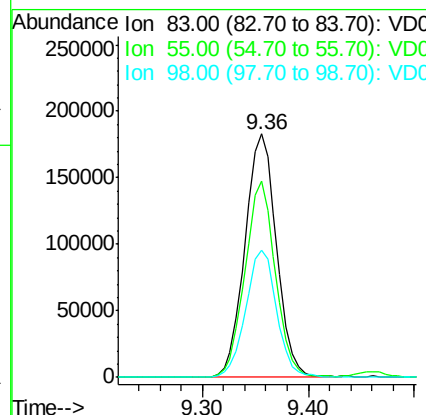
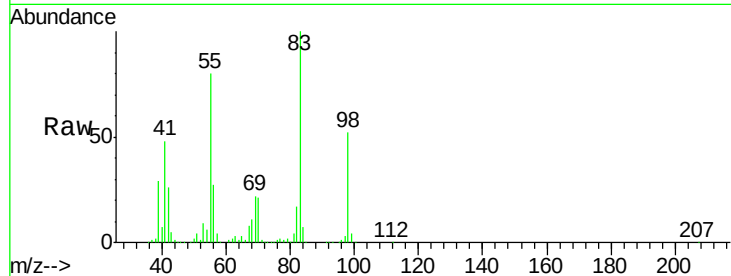
#39
Methylvlcyclohexane
Concen: 49.013 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	380197
Ion	Ratio	Lower	Upper
83	100		
55	80.3	58.7	88.1
98	52.1	40.2	60.2

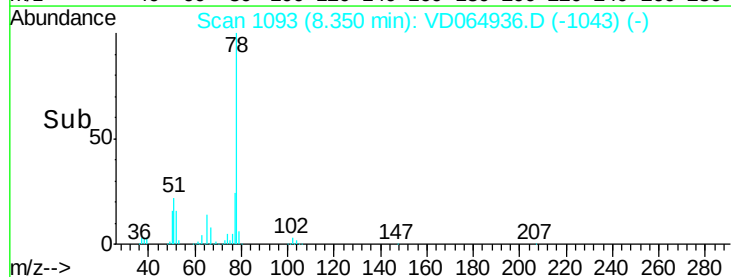
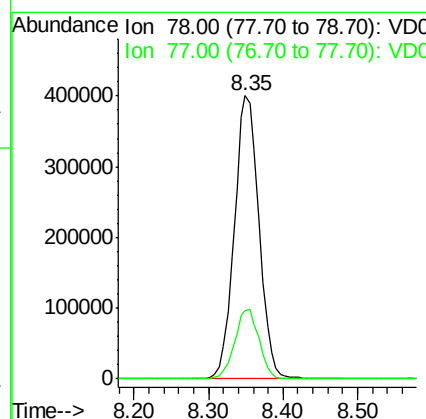
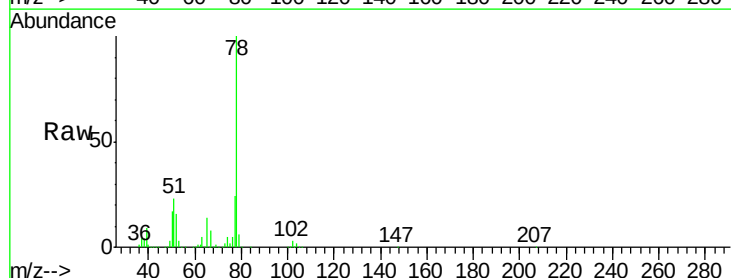
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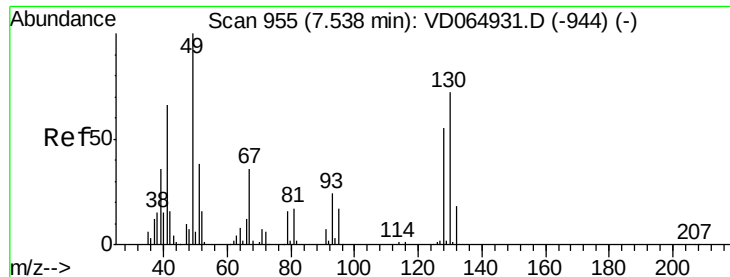
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#40
Benzene
Concen: 50.287 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	78	Resp	918932
Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.2	28.8





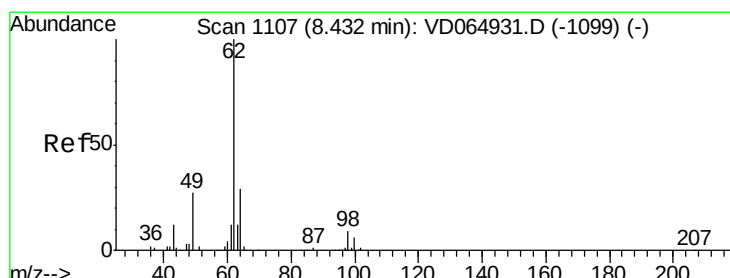
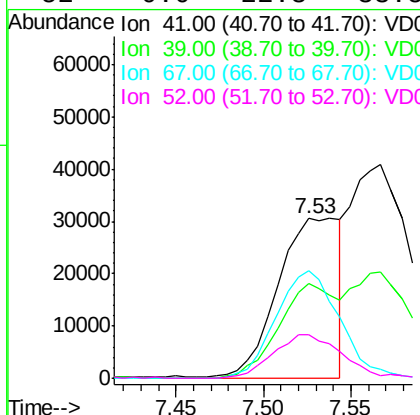
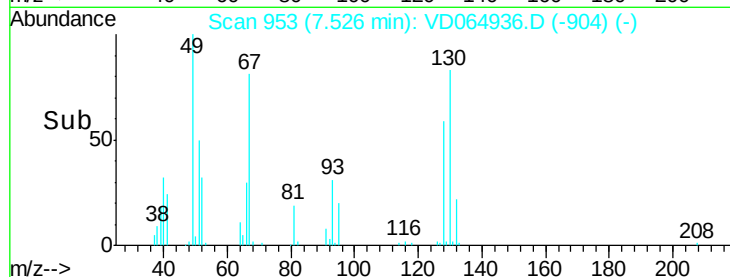
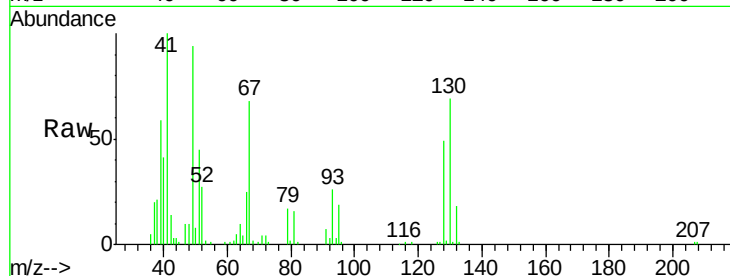
#41
Methacrylonitrile
Concen: 51.593 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	49.3	73.9#
67	0.0	51.0	76.6#
52	0.0	22.3	33.5#

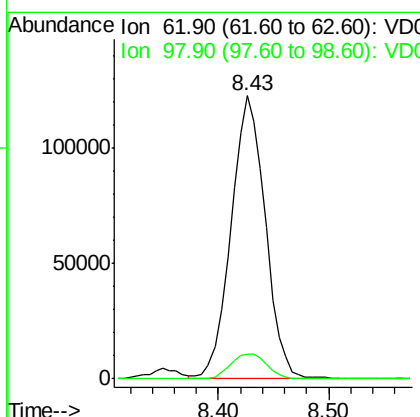
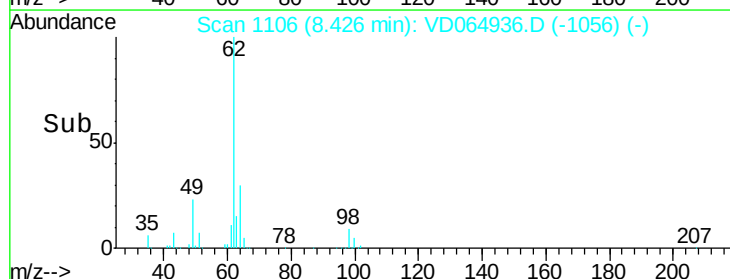
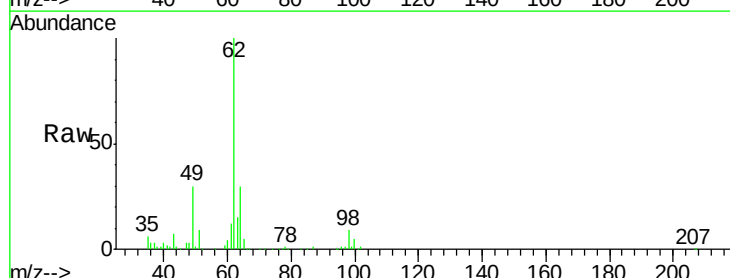
Manual Integrations
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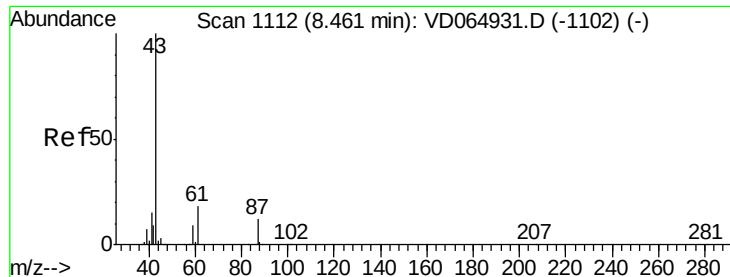
MMDadoda
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#42
1,2-Dichloroethane
Concen: 48.730 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	17.8





#43

Isopropyl Acetate

Concen: 46.548 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

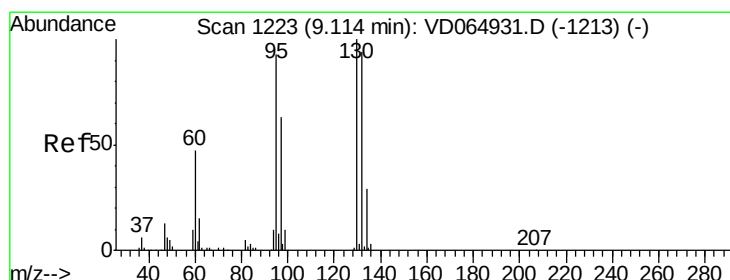
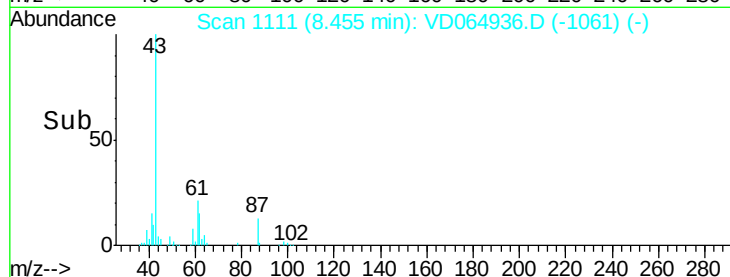
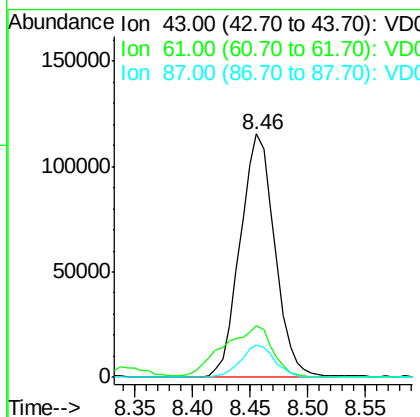
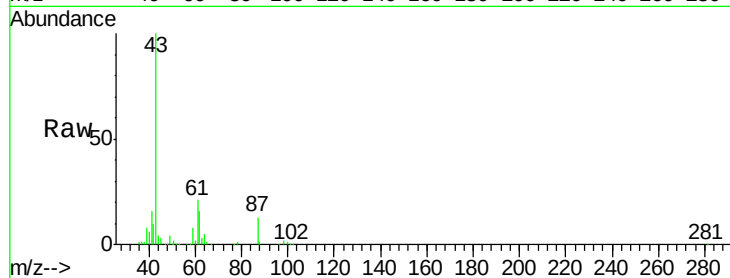
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	242325
Ion	Ratio	Lower	Upper
43	100		
61	30.3	23.8	35.6
87	12.7	10.3	15.5

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#44

Trichloroethene

Concen: 50.417 ug/l

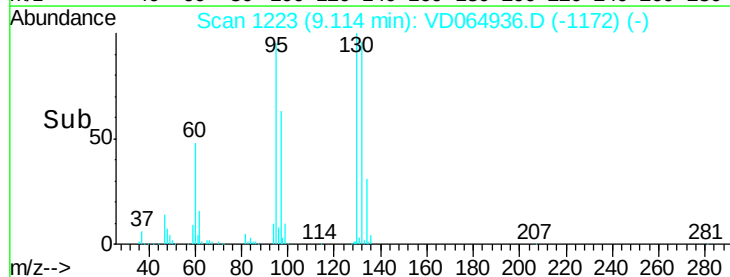
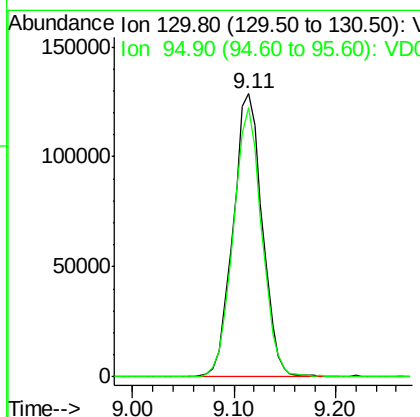
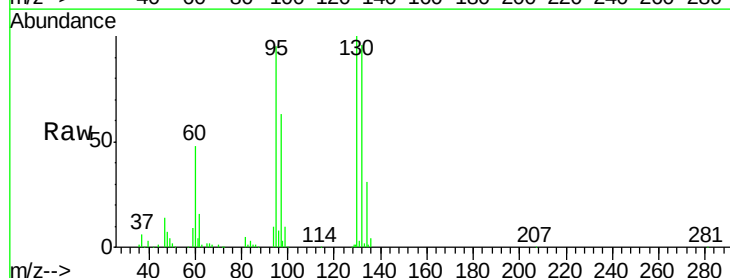
RT: 9.11 min Scan# 1223

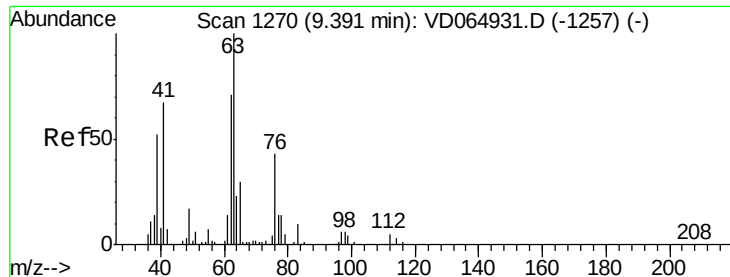
Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	130	Resp:	257842
Ion	Ratio	Lower	Upper
130	100		
95	95.2	0.0	185.8





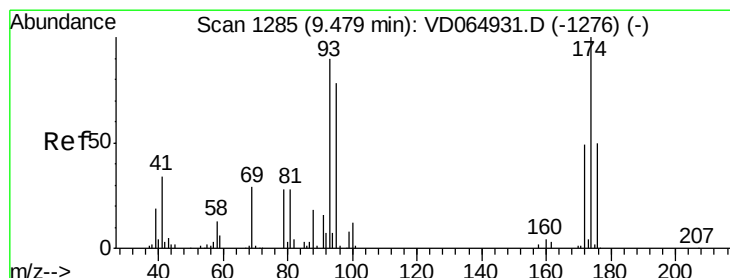
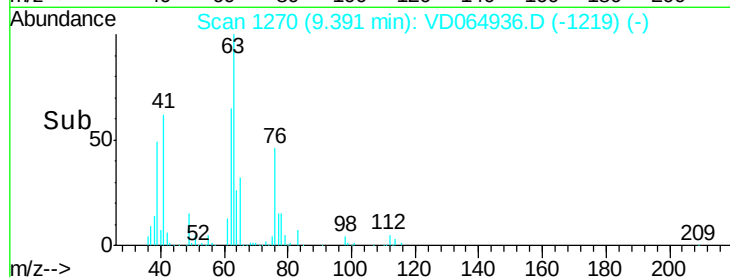
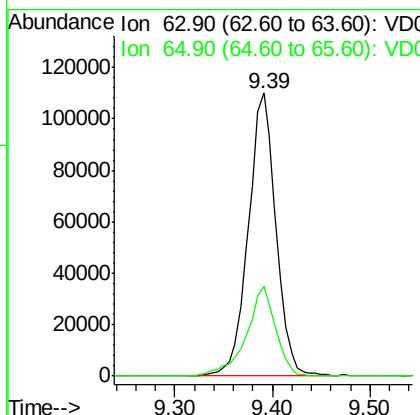
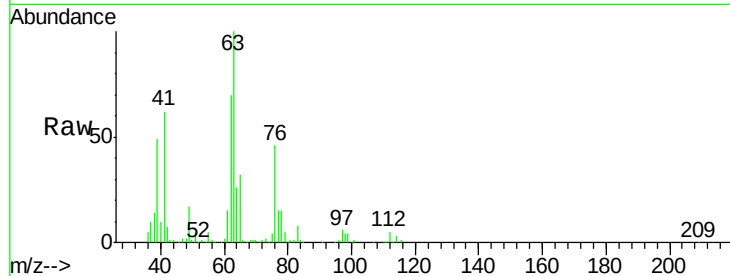
#45
 1,2-Dichloropropane
 Concen: 49.546 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 219487
 Ion Ratio Lower Upper
 63 100
 65 32.1 24.3 36.5

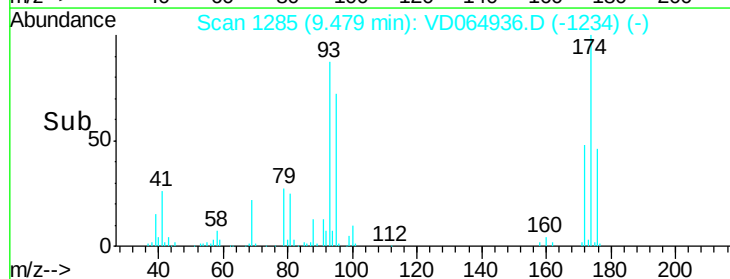
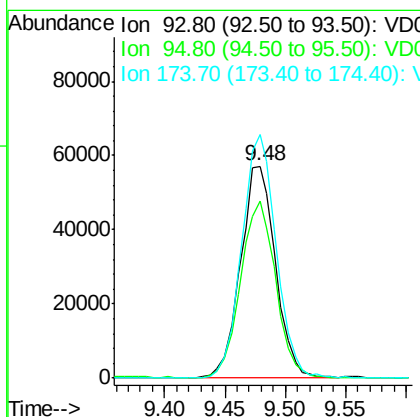
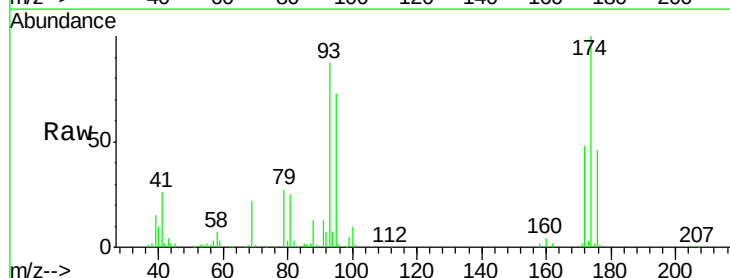
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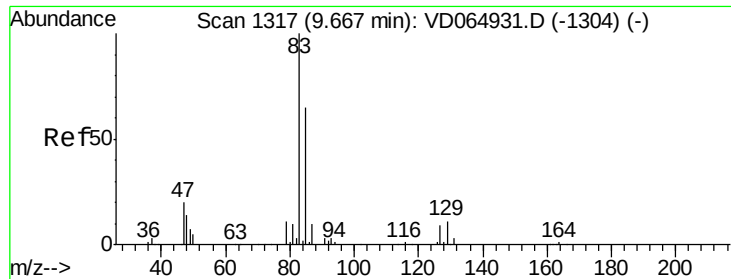
MMDadoda
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#46
 Dibromomethane
 Concen: 47.798 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion: 93 Resp: 115602
 Ion Ratio Lower Upper
 93 100
 95 83.8 67.5 101.3
 174 113.0 88.4 132.6





#47

Bromodichloromethane

Concen: 50.144 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

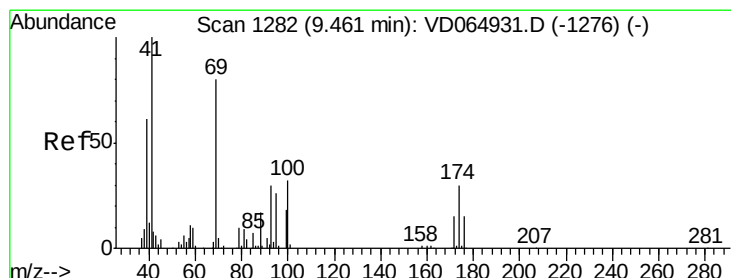
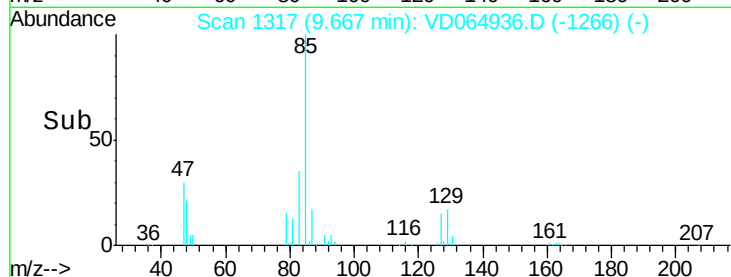
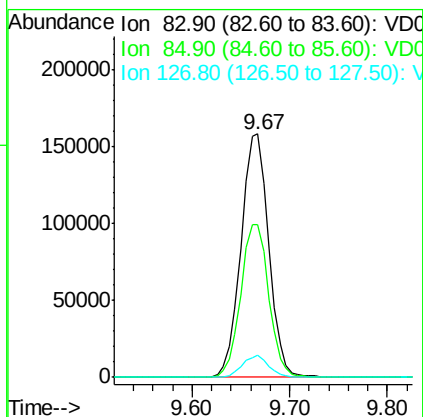
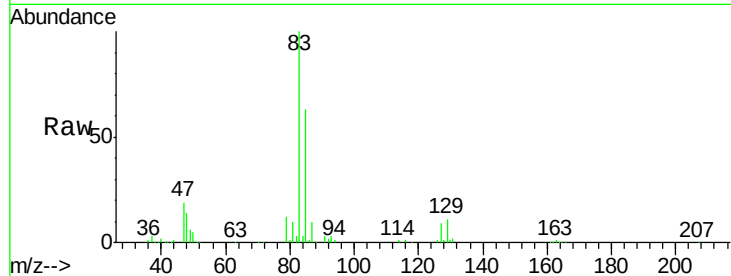
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	315570
Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.0	78.0
127	9.3	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.212 ug/l

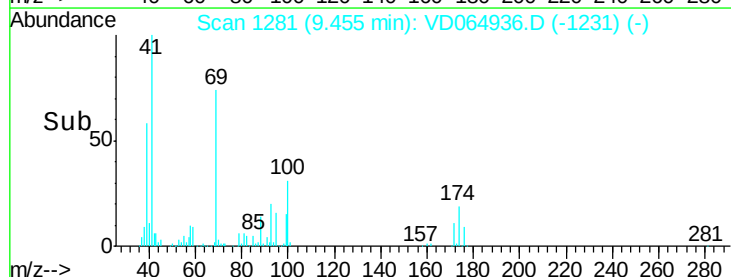
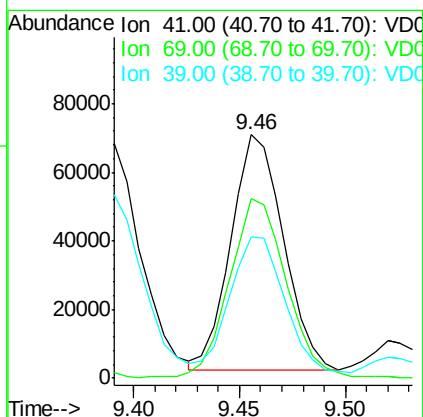
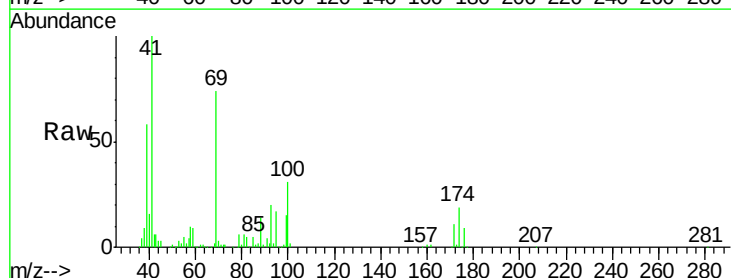
RT: 9.46 min Scan# 1281

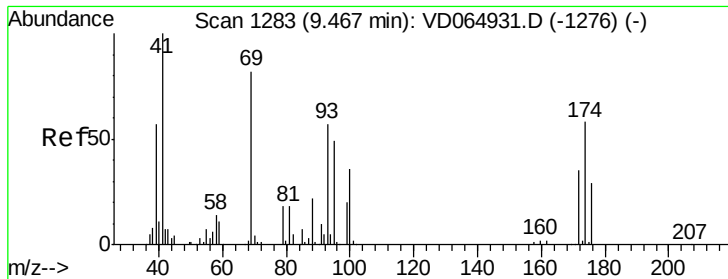
Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	41	Resp:	117897
Ion	Ratio	Lower	Upper
41	100		
69	81.8	65.8	98.8
39	60.5	49.4	74.0





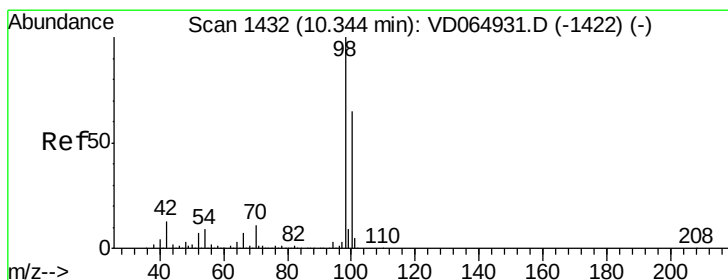
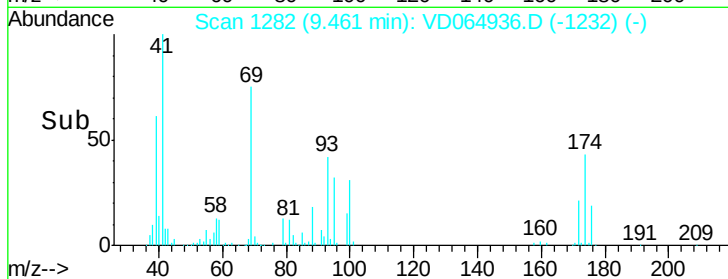
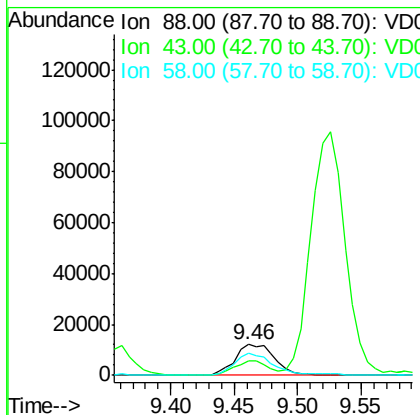
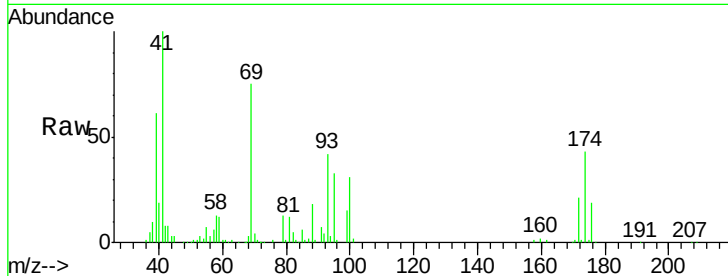
#49
1,4-Dioxane
Concen: 940.355 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	26377
Ion	Ratio	Lower	Upper
88	100		
43	34.7	26.2	39.4
58	67.2	50.3	75.5

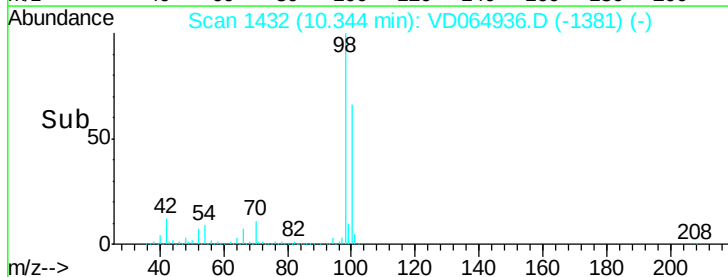
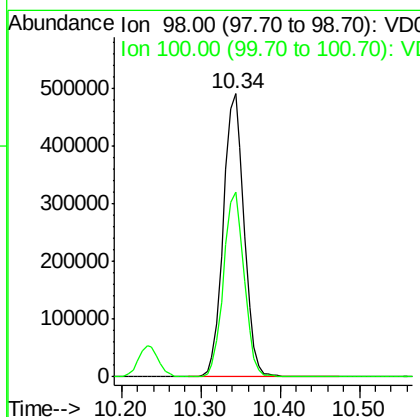
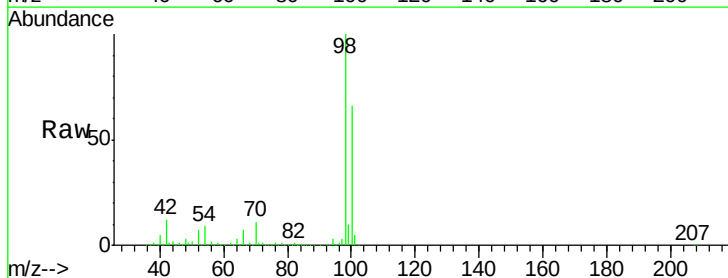
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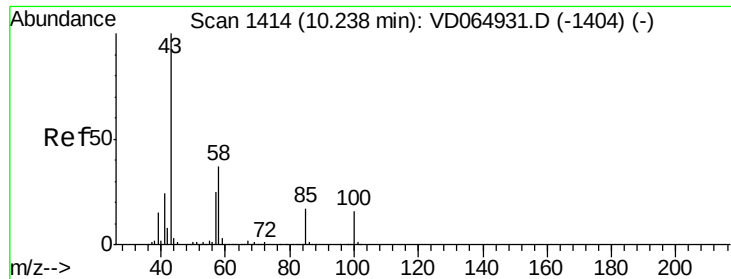
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#50
Toluene-d8
Concen: 53.317 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	98	Resp	889802
Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.3	78.5





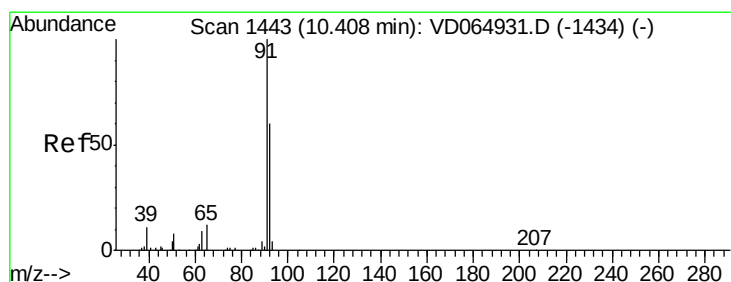
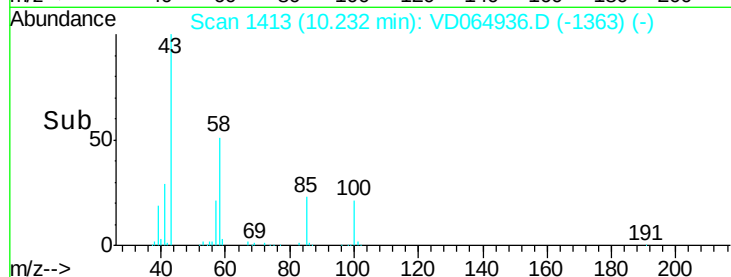
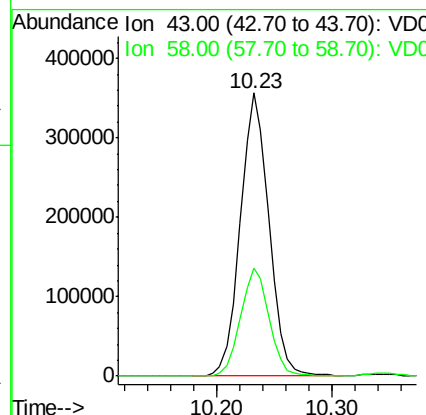
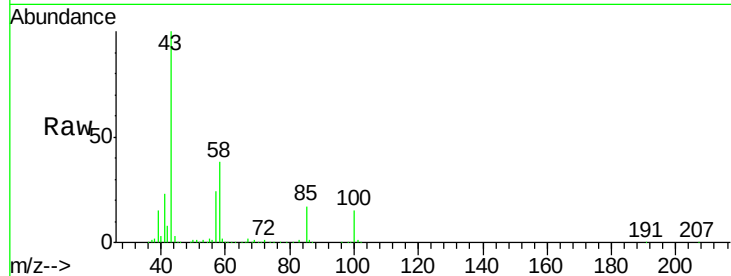
#51
4-Methyl-2-Pentanone
Concen: 234.308 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 610335
Ion Ratio Lower Upper
43 100
58 38.1 30.4 45.6

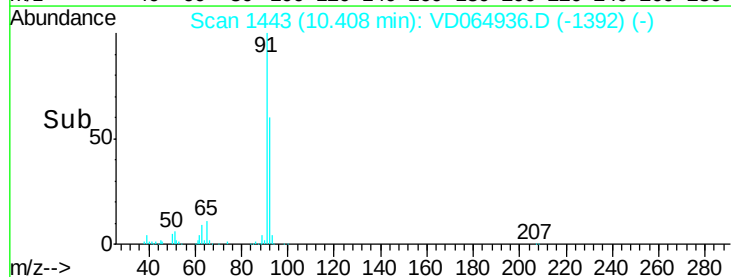
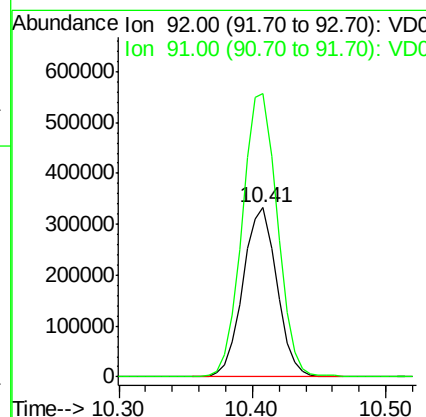
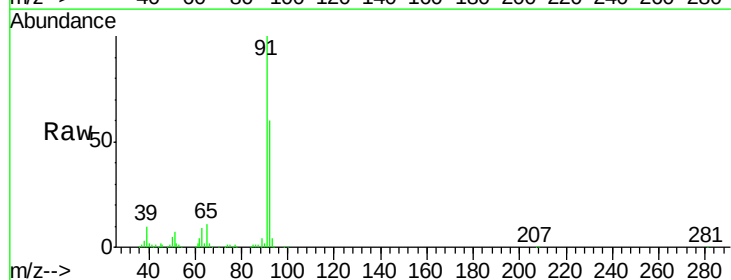
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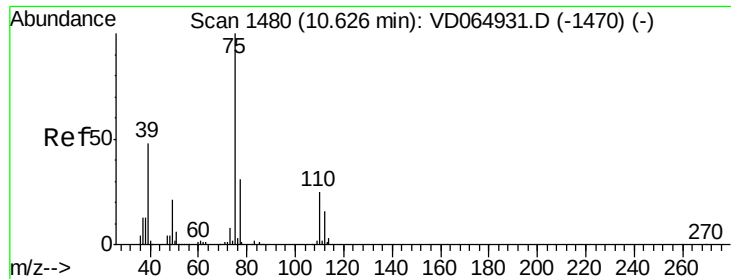
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#52
Toluene
Concen: 49.687 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion: 92 Resp: 585382
Ion Ratio Lower Upper
92 100
91 174.0 136.8 205.2





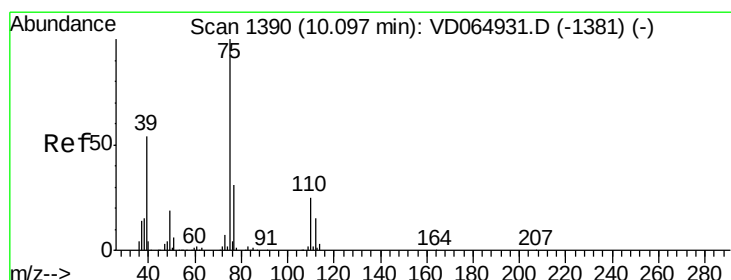
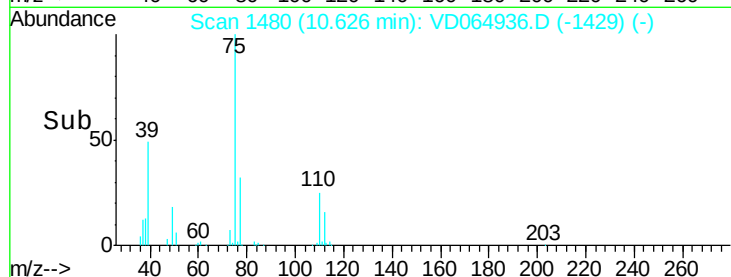
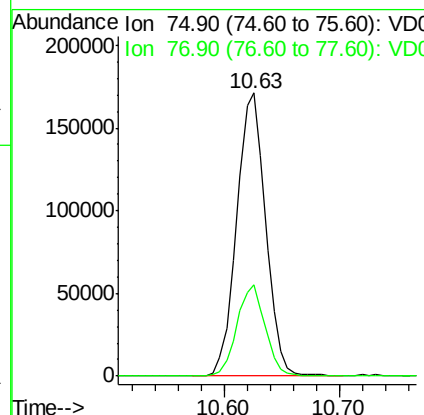
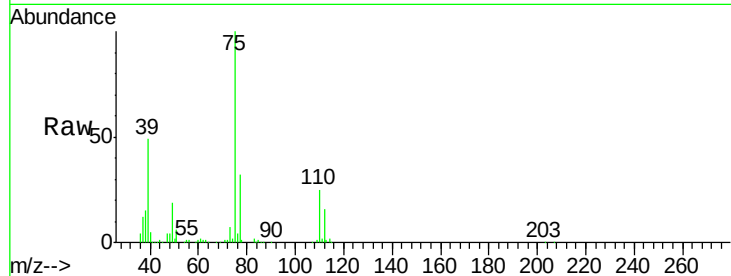
#53
t-1,3-Dichloropropene
Concen: 49.618 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 297447
Ion Ratio Lower Upper
75 100
77 32.4 25.0 37.6

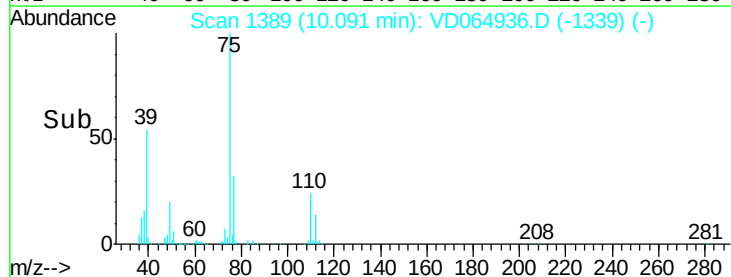
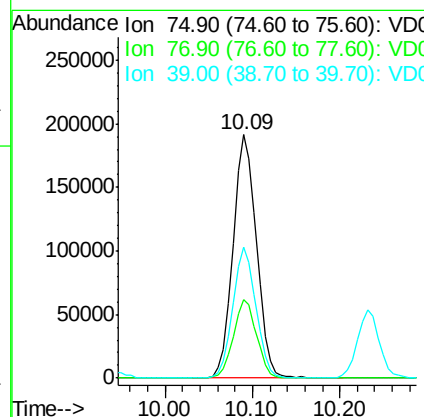
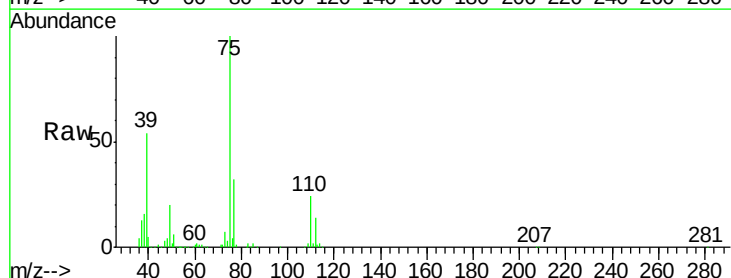
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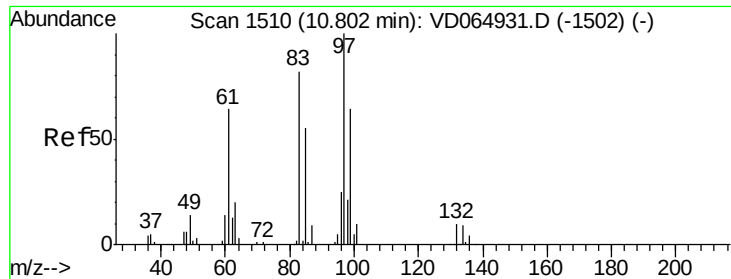
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#54
cis-1,3-Dichloropropene
Concen: 49.769 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion: 75 Resp: 349313
Ion Ratio Lower Upper
75 100
77 32.4 25.1 37.7
39 53.5 43.0 64.6





#55

1,1,2-Trichloroethane

Concen: 48.533 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

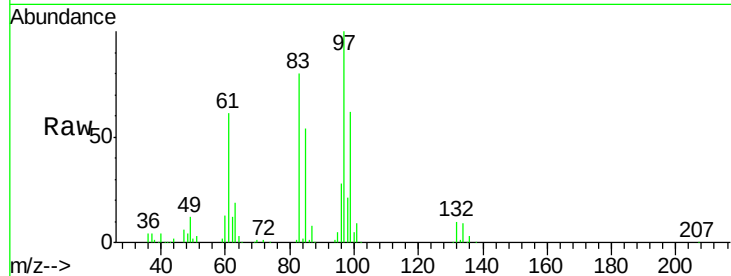
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	158110
Ion	Ratio	Lower	Upper
97	100		
83	79.8	66.0	99.0
85	53.8	44.4	66.6
99	62.4	51.4	77.0

Manual Integrations
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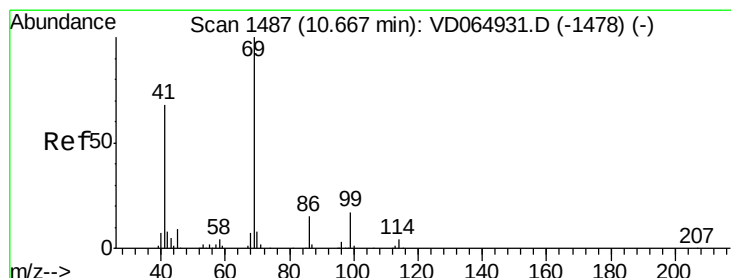
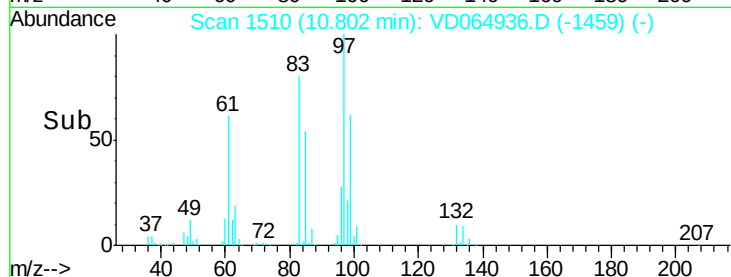
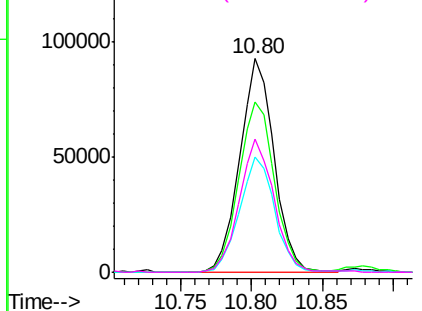


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 50.581 ug/l

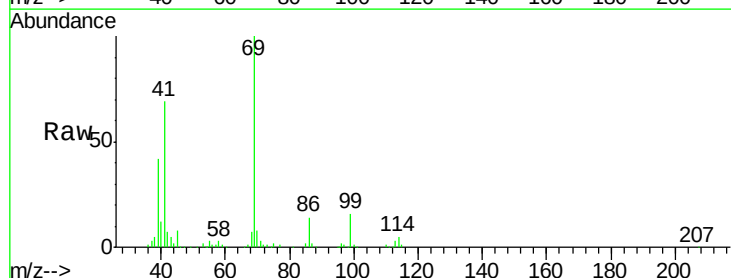
RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

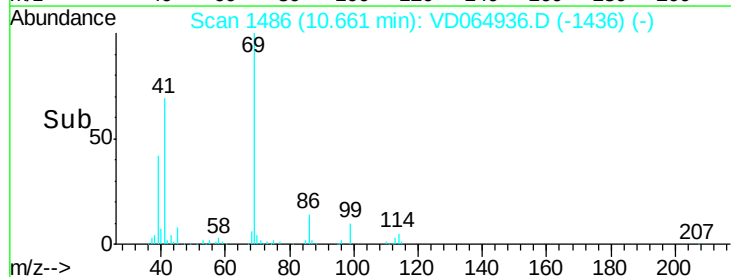
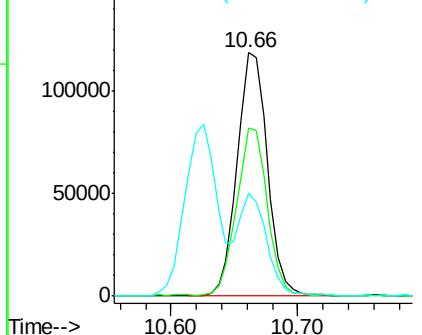
Tgt Ion:	69	Resp:	197052
Ion	Ratio	Lower	Upper
69	100		
41	69.0	56.4	84.6
39	40.5	30.6	46.0

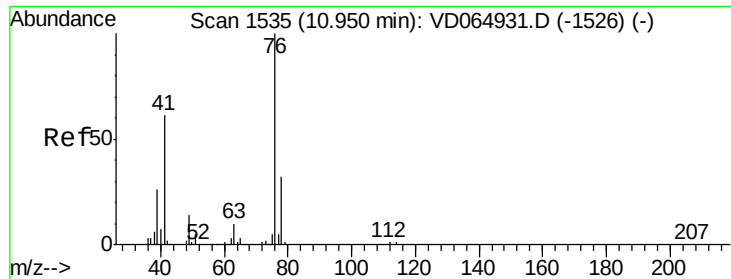


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





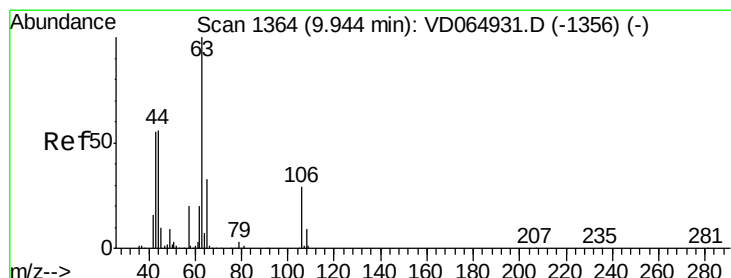
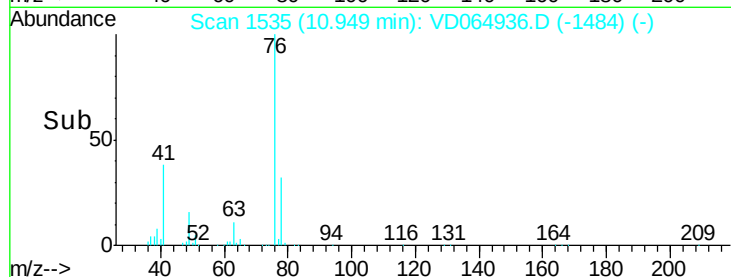
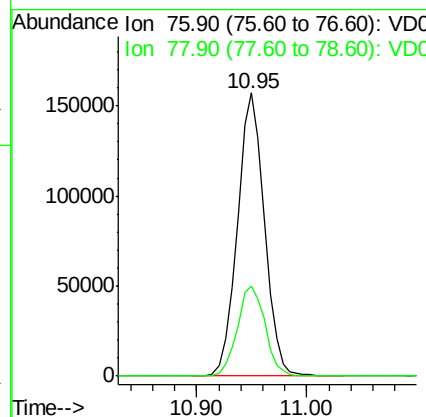
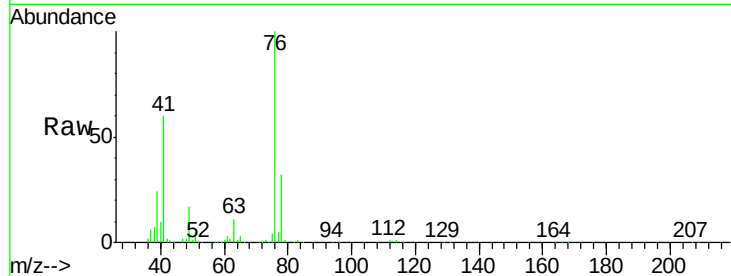
#57
 1,3-Dichloropropane
 Concen: 48.338 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 270095
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.7 38.5

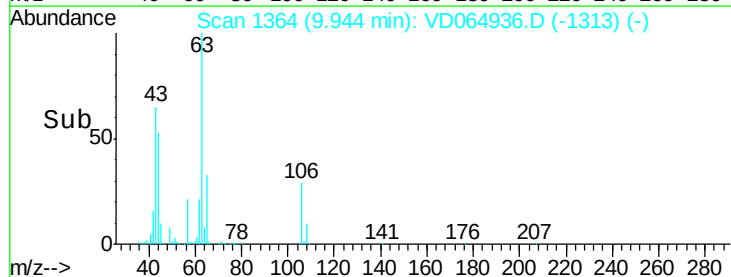
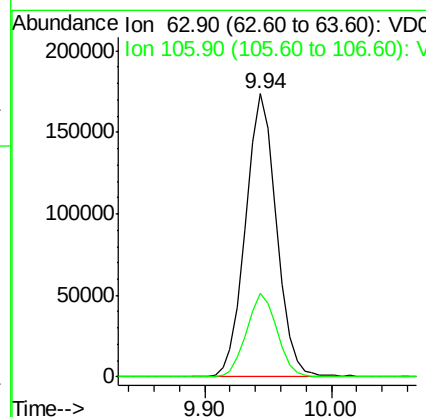
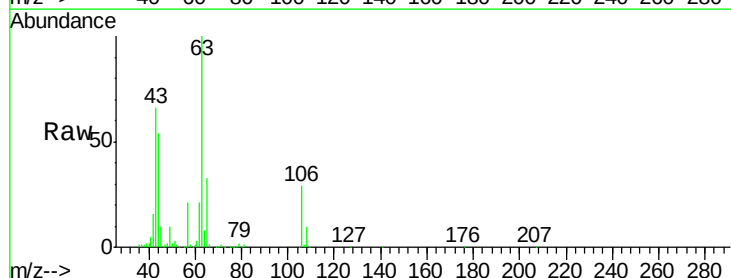
Manual Integrations
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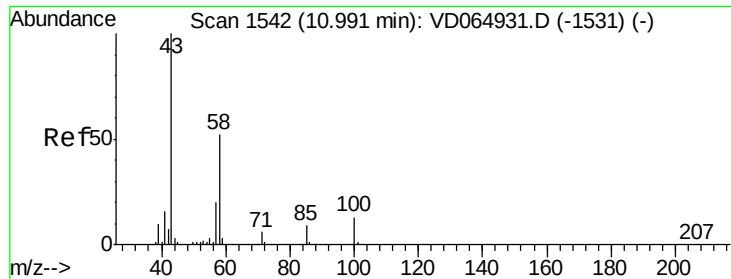
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.080 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion: 63 Resp: 295195
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.0 34.4





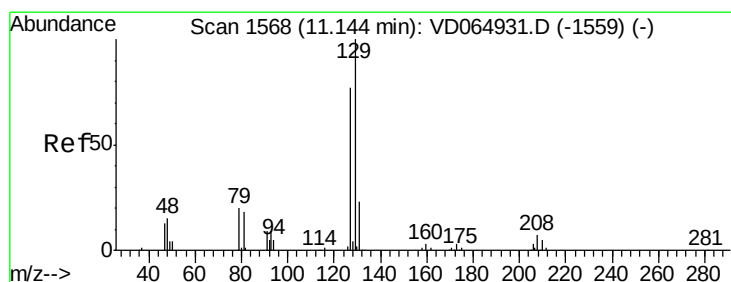
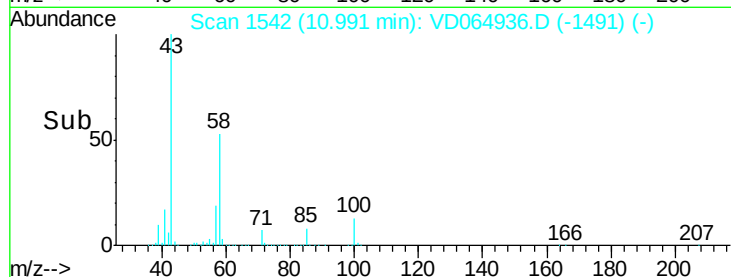
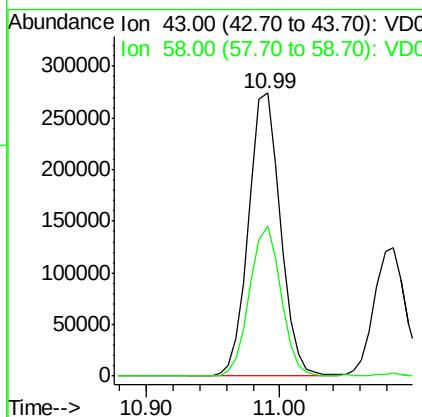
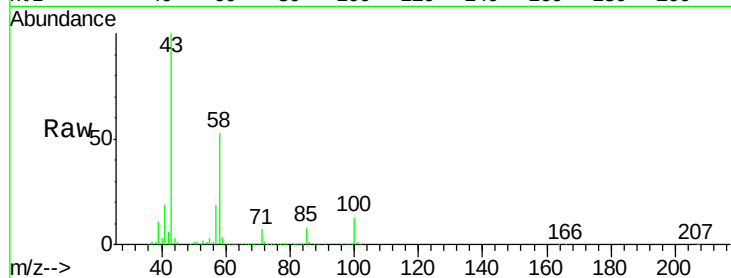
#59
2-Hexanone
Concen: 251.806 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 452431
Ion Ratio Lower Upper
43 100
58 52.3 26.5 79.4

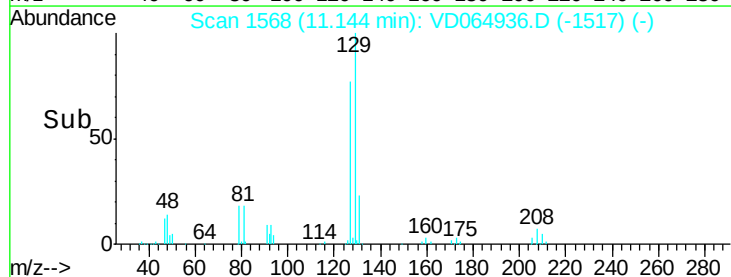
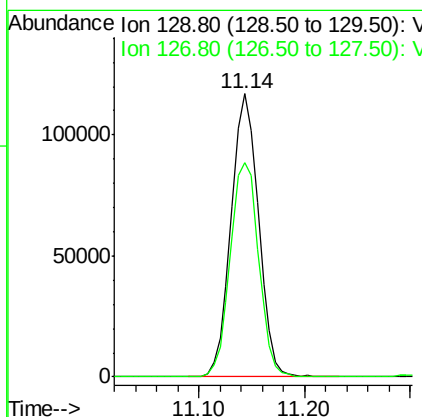
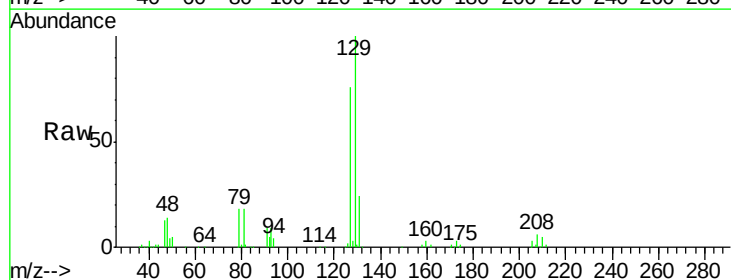
Manual Integrations
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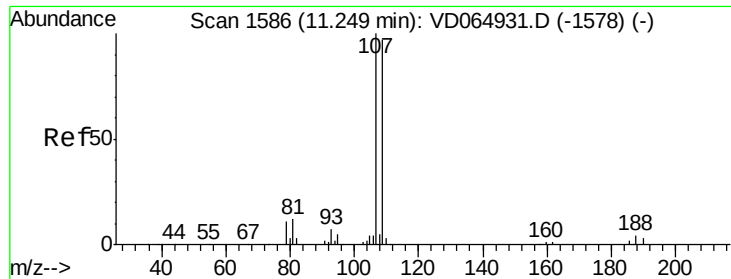
MMDadoda
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#60
Dibromochloromethane
Concen: 48.238 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion: 129 Resp: 210039
Ion Ratio Lower Upper
129 100
127 78.3 38.2 114.6





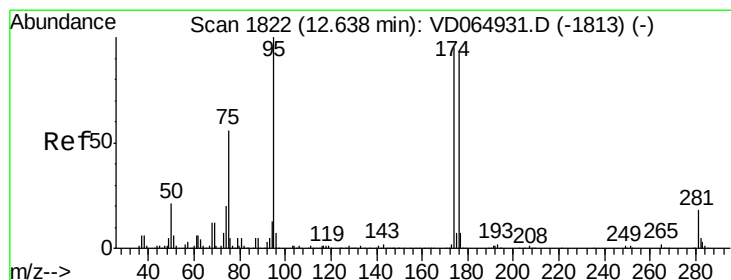
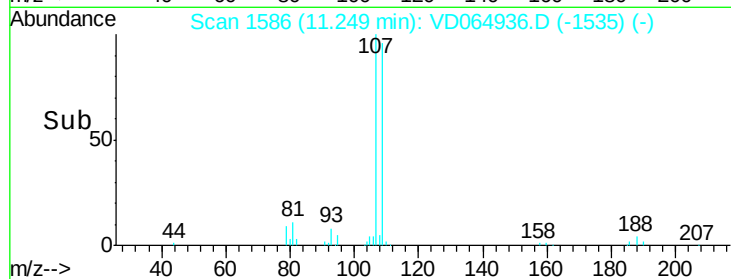
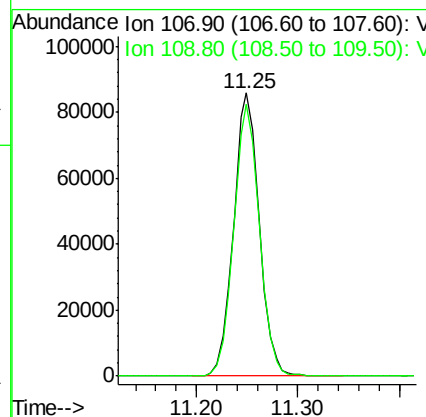
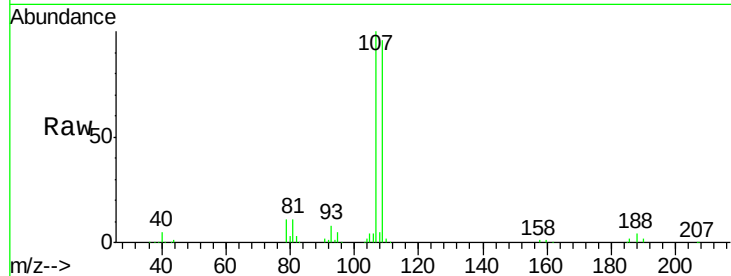
#61
 1,2-Dibromoethane
 Concen: 48.053 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.9	77.1	115.7

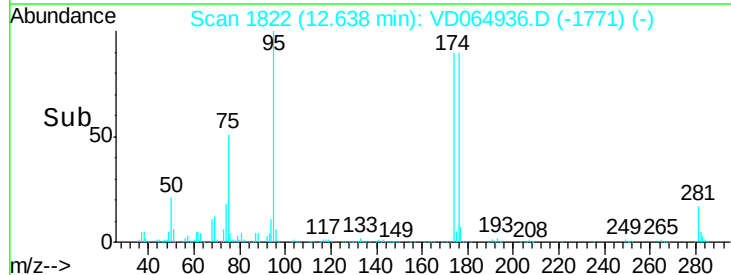
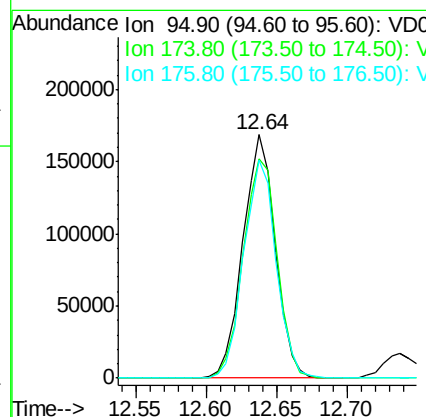
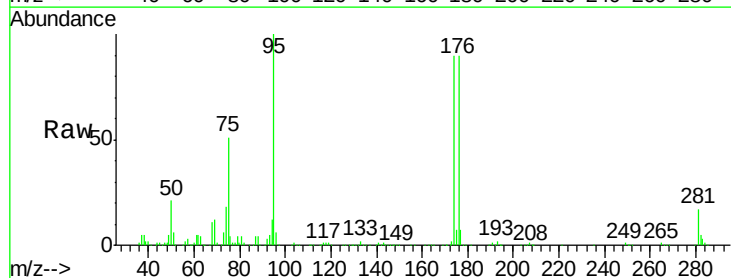
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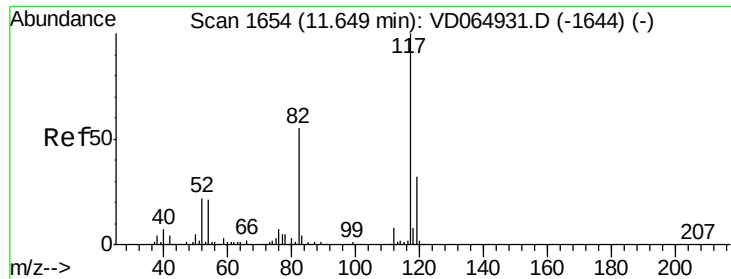
MMDadoda
 1/27/2020 12:02:59 PM



#62
 4-Bromofluorobenzene
 Concen: 52.913 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	94.7	0.0	186.8
176	89.8	0.0	183.4





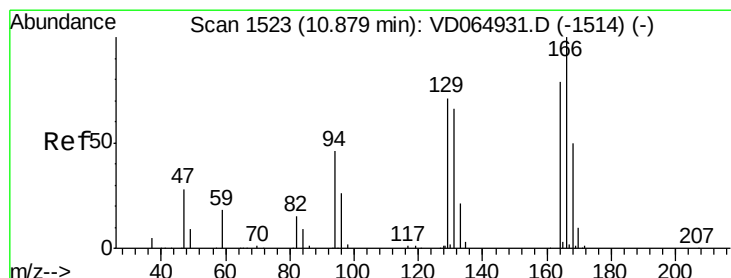
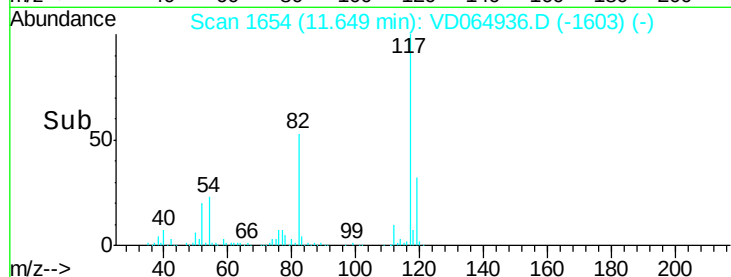
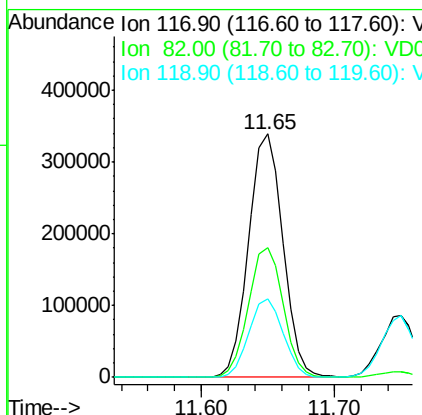
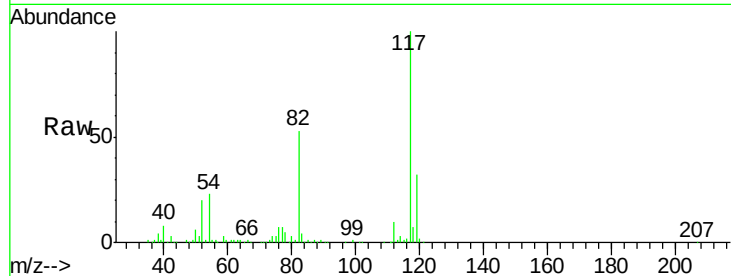
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.6	65.4
119	32.1	25.2	37.8

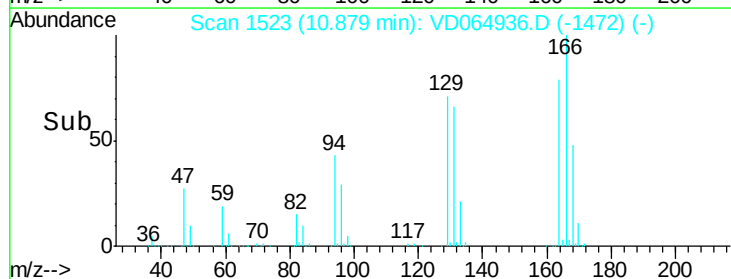
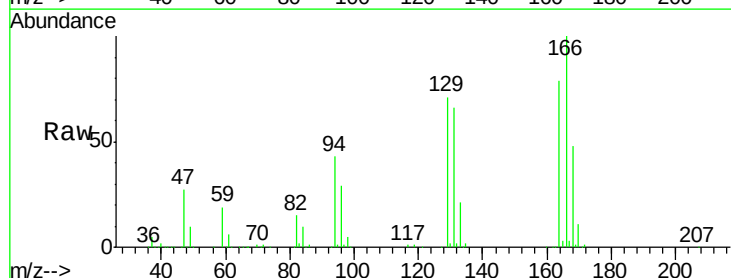
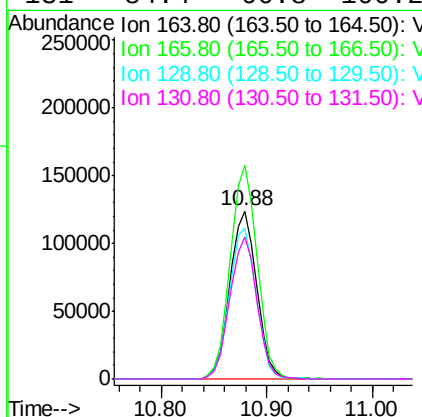
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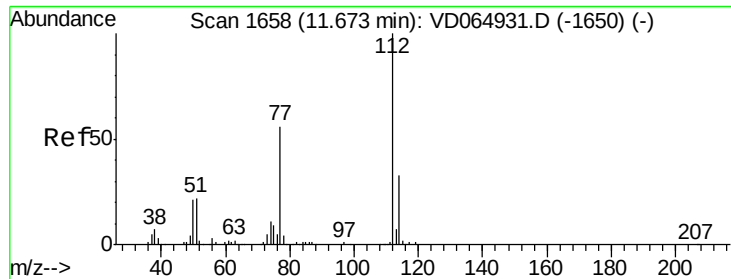
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#64
Tetrachloroethene
Concen: 49.837 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	101.4	152.2
129	89.9	71.8	107.8
131	84.4	66.8	100.2





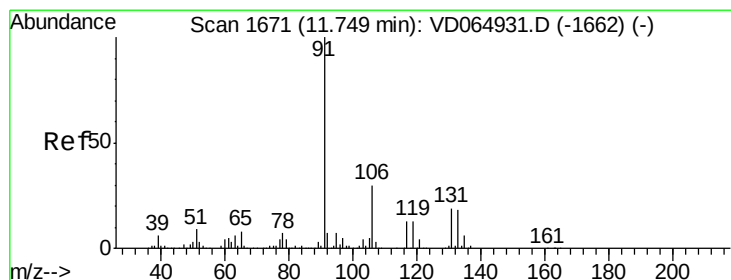
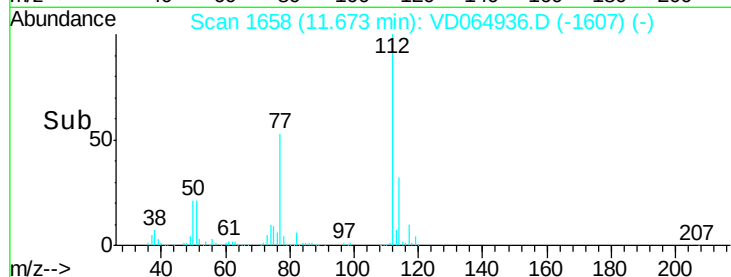
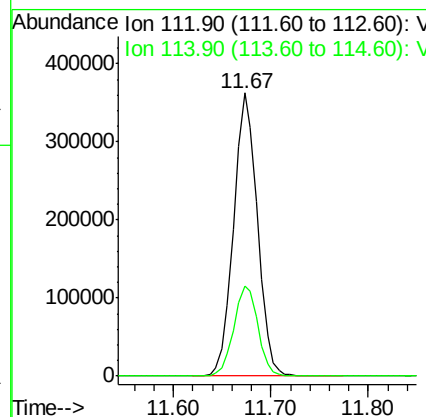
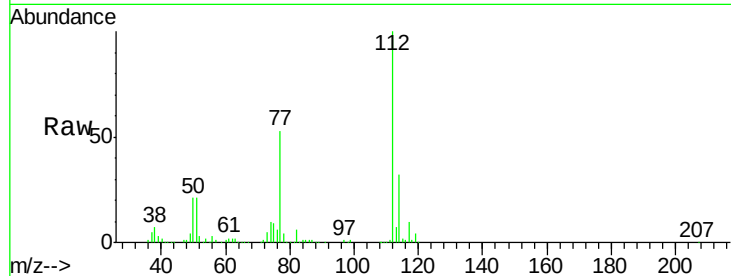
#65
Chlorobenzene
Concen: 50.079 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.2	39.4

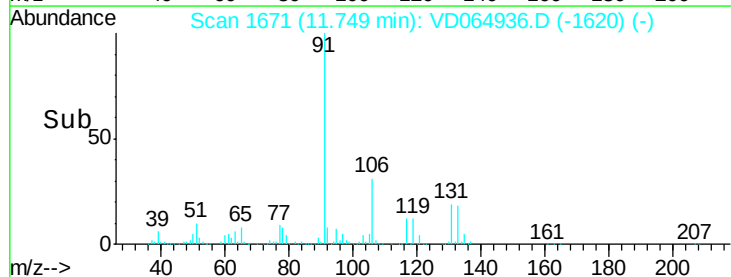
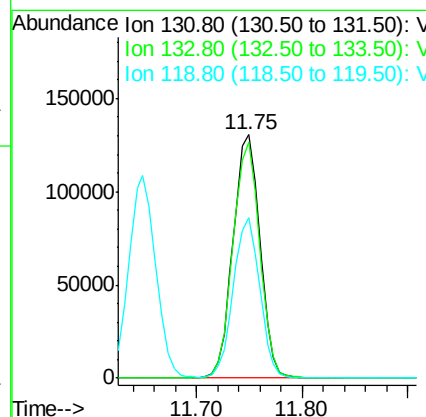
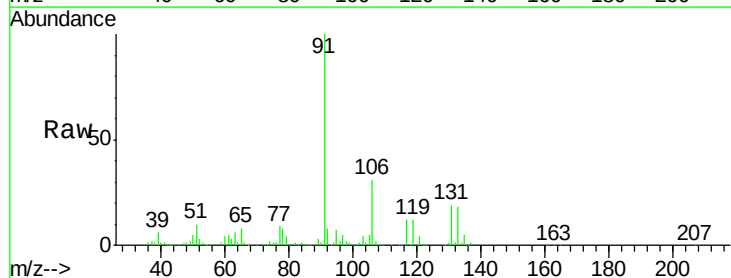
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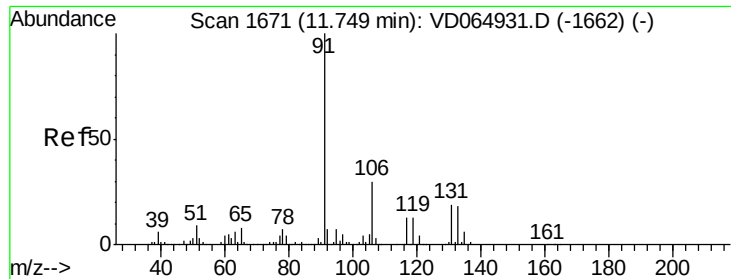
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.899 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.5	47.5	142.5
119	64.9	31.1	93.5





#67

Ethyl Benzene

Concen: 51.157 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1110468

Ion Ratio Lower Upper

91 100

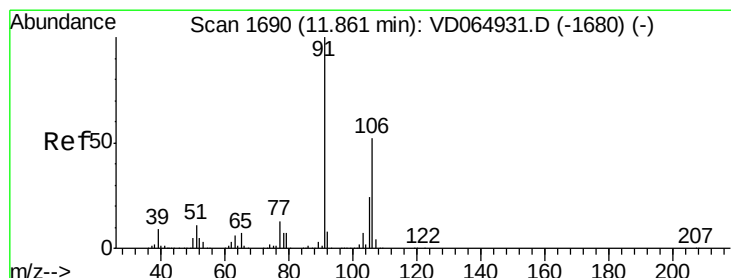
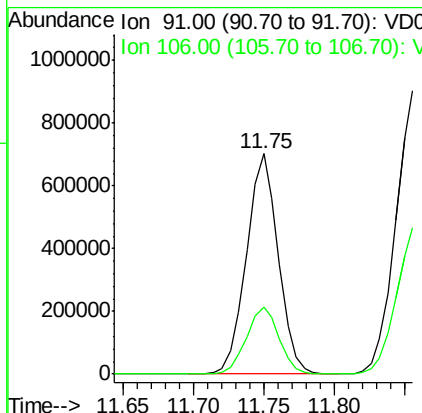
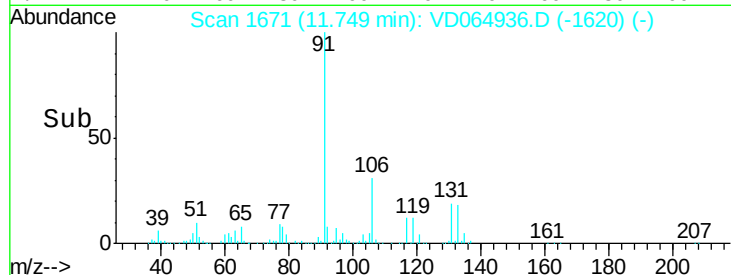
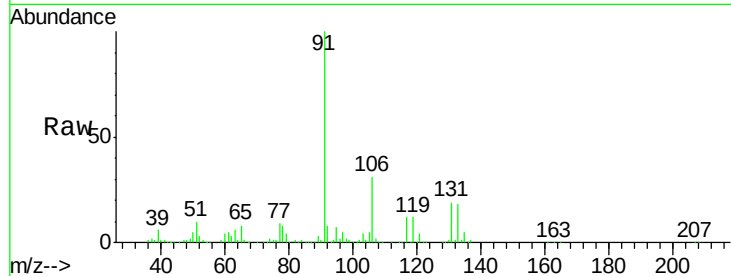
106 30.6 24.3 36.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 103.803 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD064936.D

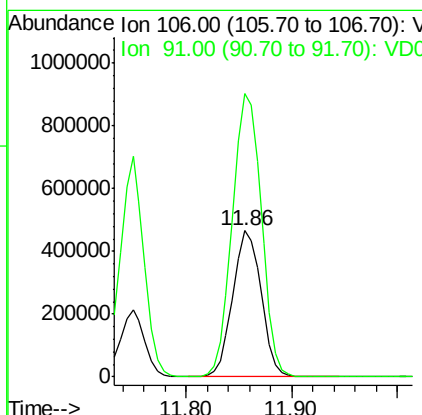
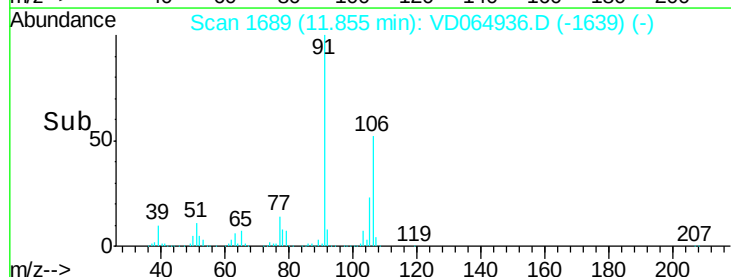
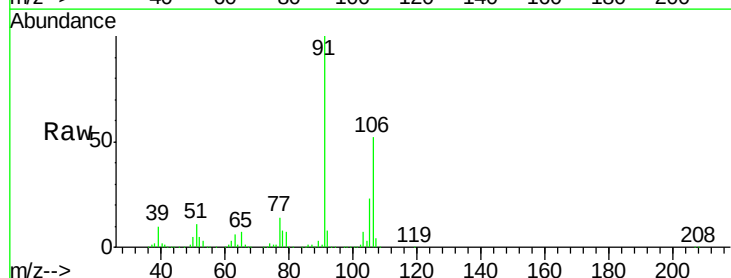
Acq: 24 Jan 2020 10:10

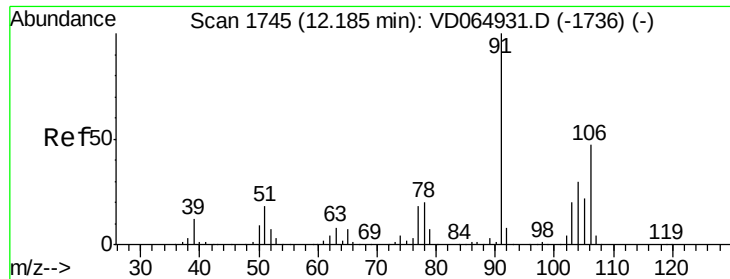
Tgt Ion: 106 Resp: 867546

Ion Ratio Lower Upper

106 100

91 198.1 159.0 238.4





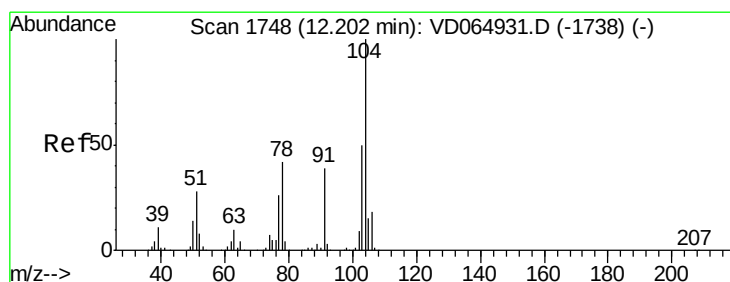
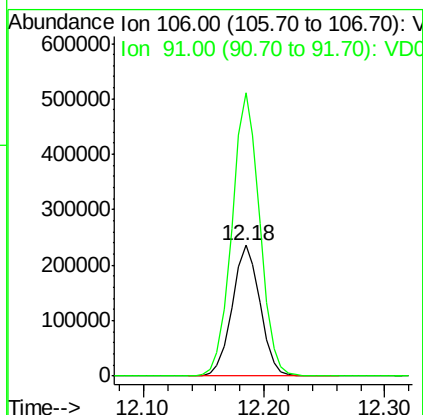
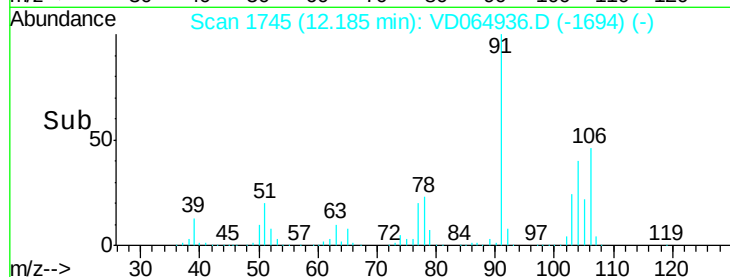
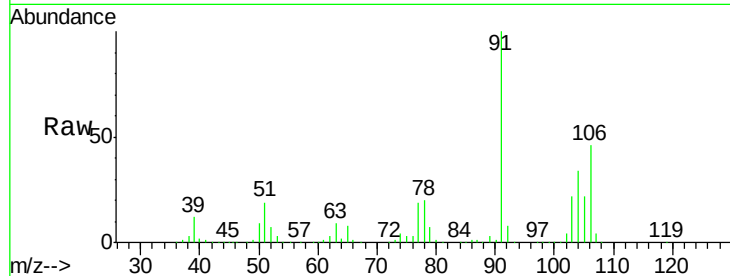
#69
o-Xylene
Concen: 51.303 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 380535
Ion Ratio Lower Upper
106 100
91 214.2 106.7 319.9

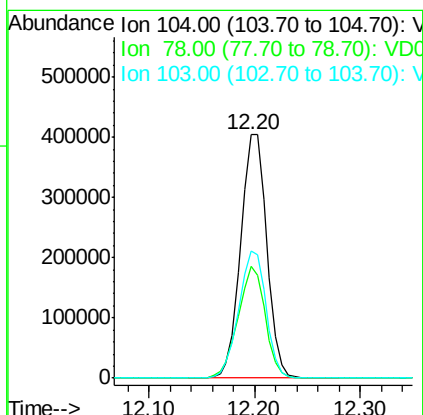
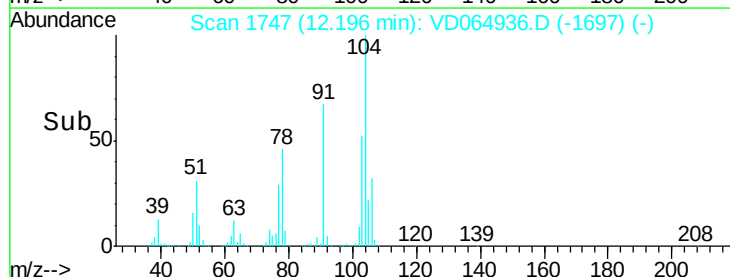
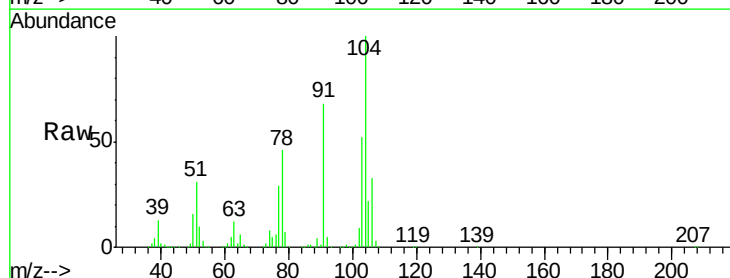
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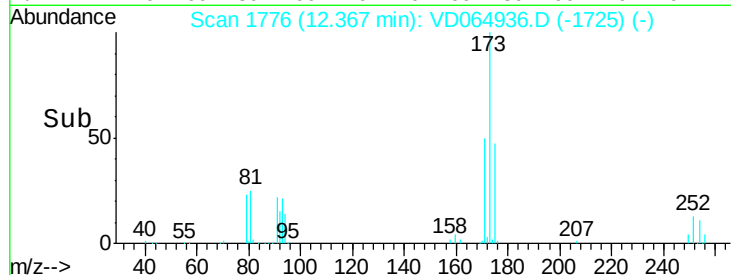
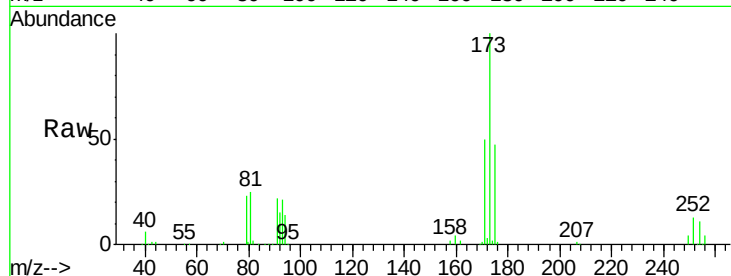
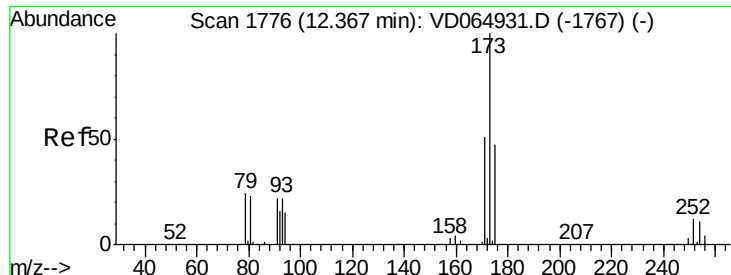
MMDadoda
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#70
Styrene
Concen: 52.492 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion:104 Resp: 693588
Ion Ratio Lower Upper
104 100
78 47.7 38.3 57.5
103 54.7 43.5 65.3





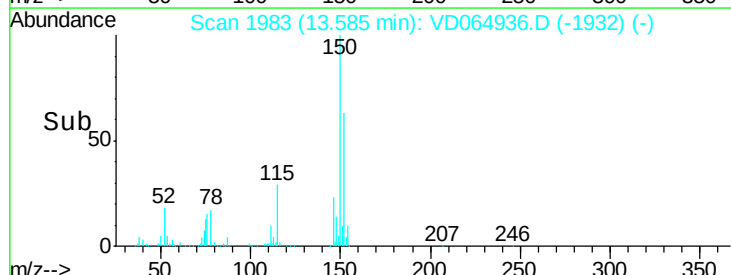
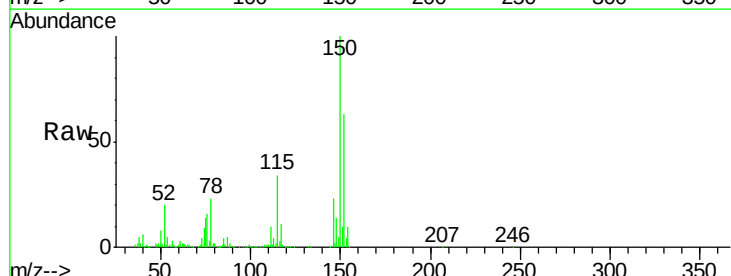
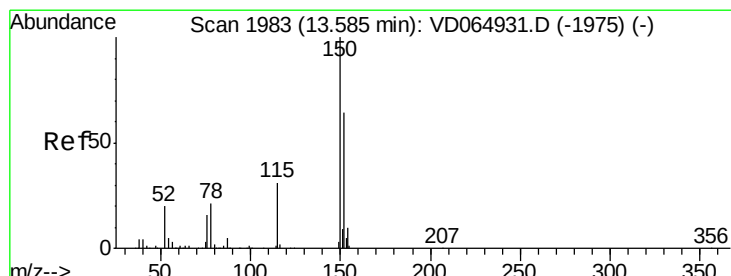
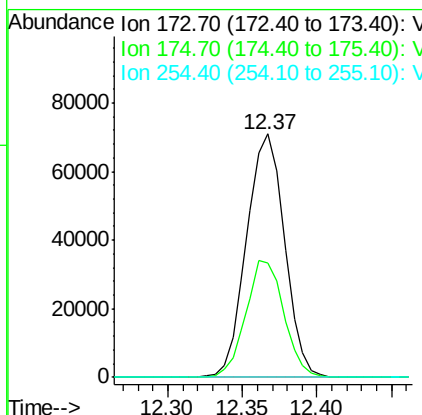
#71
Bromoform
Concen: 48.854 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.6	73.8
254	0.1	0.1	0.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

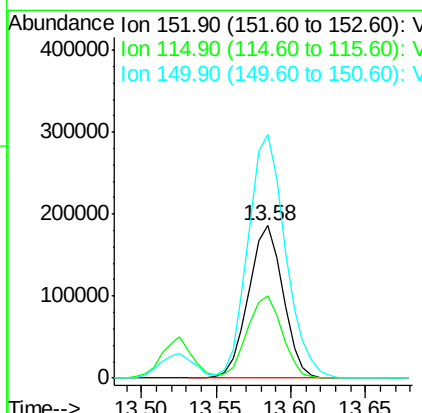
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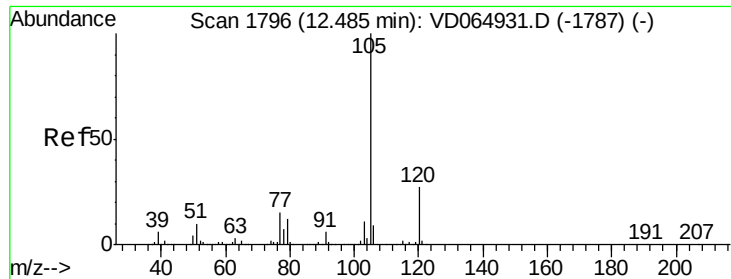
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.8	28.1	84.4
150	173.6	0.0	350.4





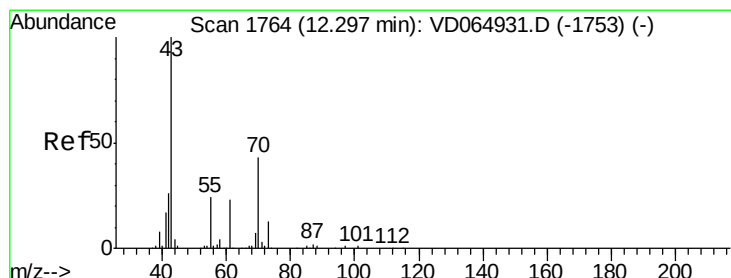
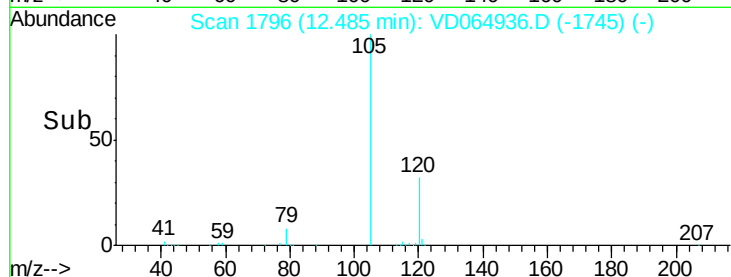
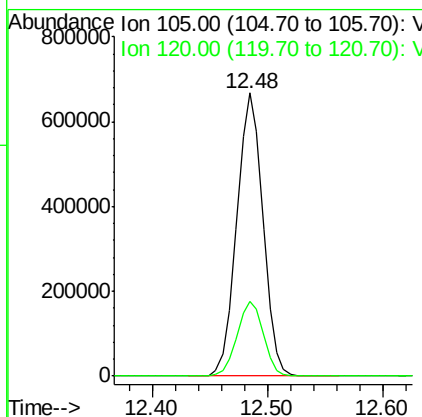
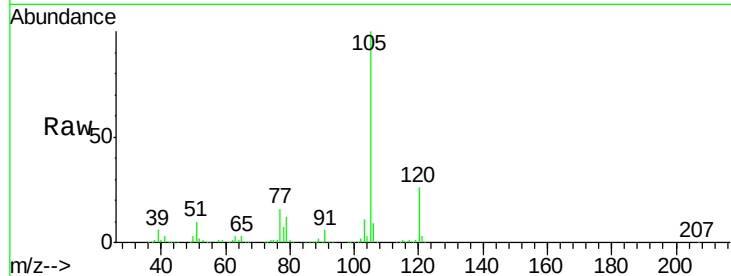
#73
Isopropylbenzene
Concen: 51.379 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:105 Resp: 1046268
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8

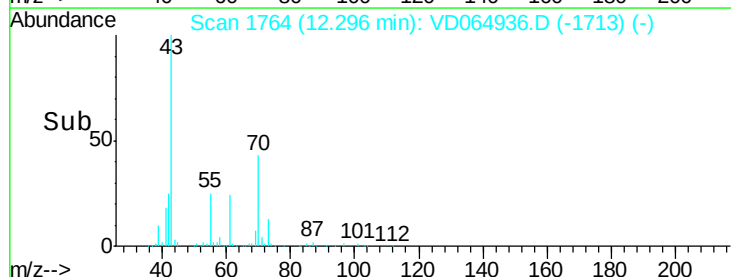
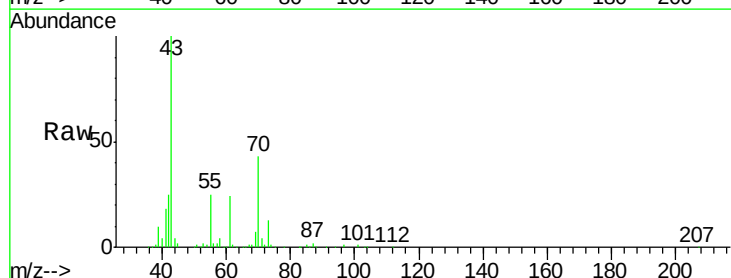
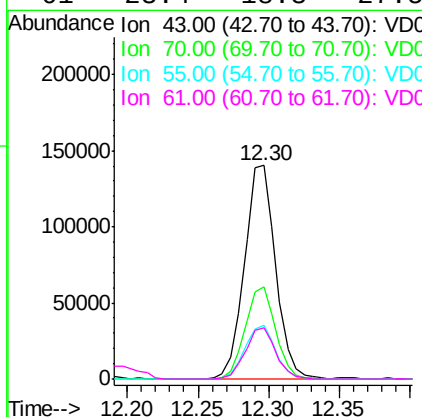
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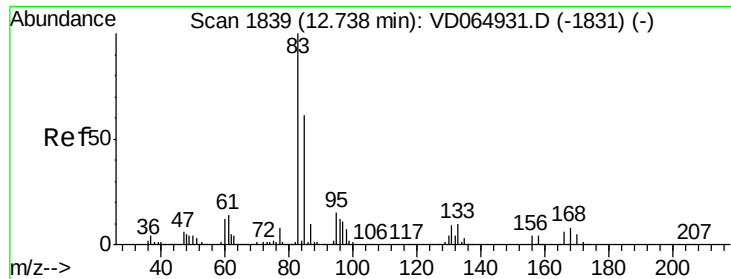
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#74
N-ethyl acetate
Concen: 47.505 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion: 43 Resp: 216469
Ion Ratio Lower Upper
43 100
70 42.3 32.6 49.0
55 25.2 19.9 29.9
61 23.4 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 47.933 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

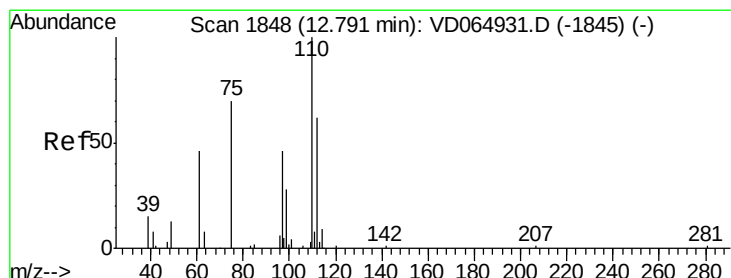
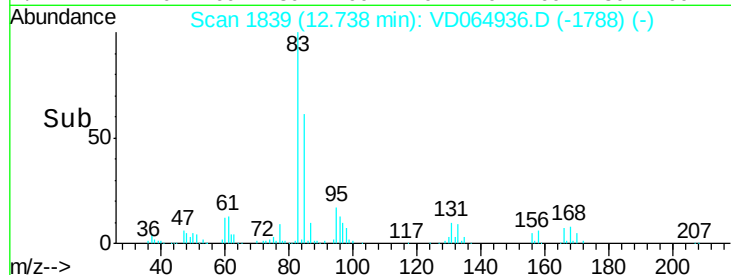
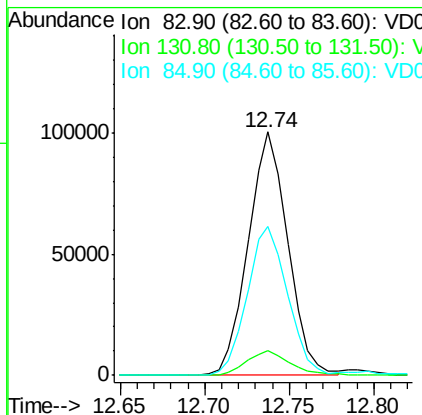
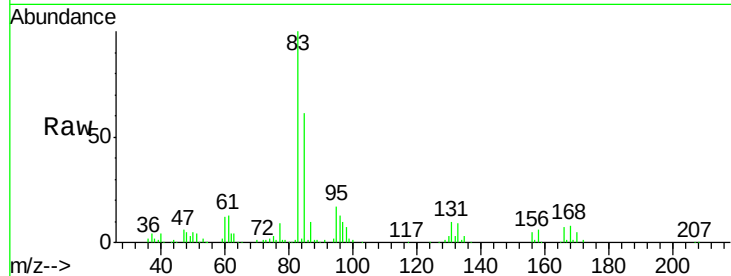
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	164055
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.5	16.4
85	62.8	31.6	94.7

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#76

1,2,3-Trichloropropane

Concen: 50.549 ug/l m

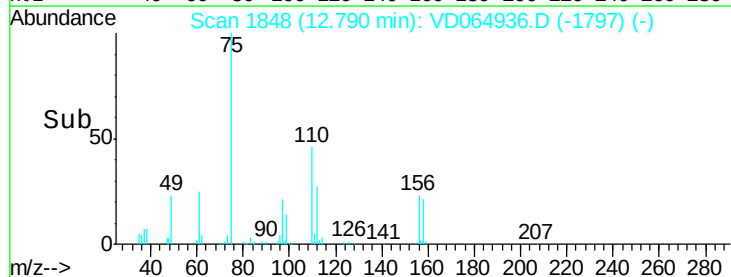
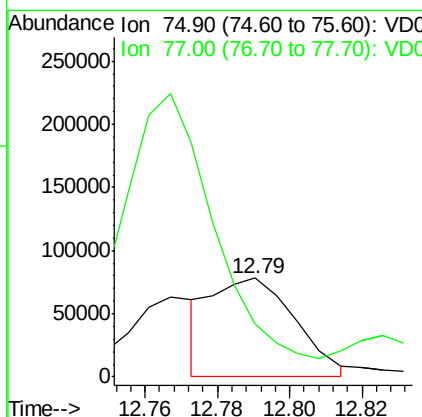
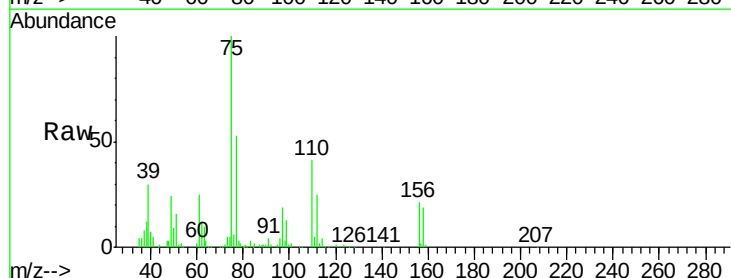
RT: 12.79 min Scan# 1848

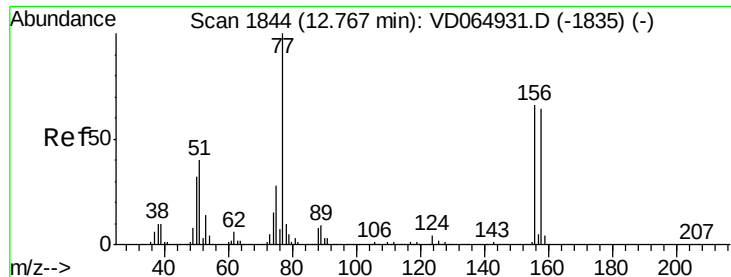
Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	75	Resp:	125004
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.101 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

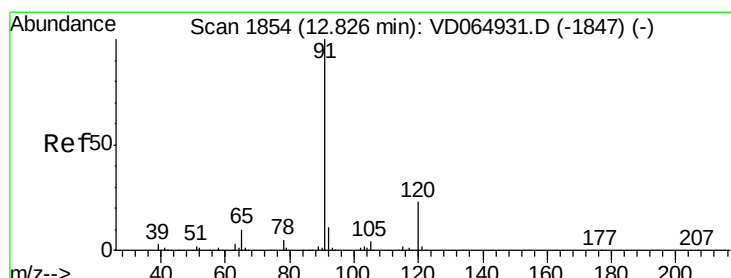
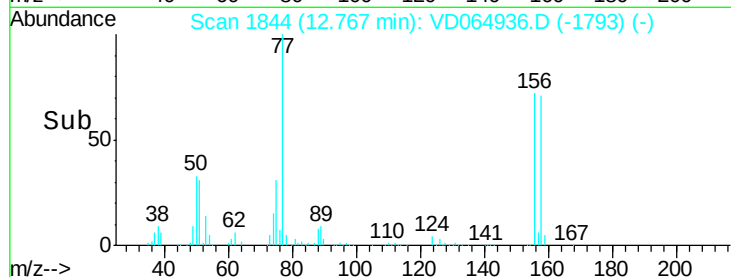
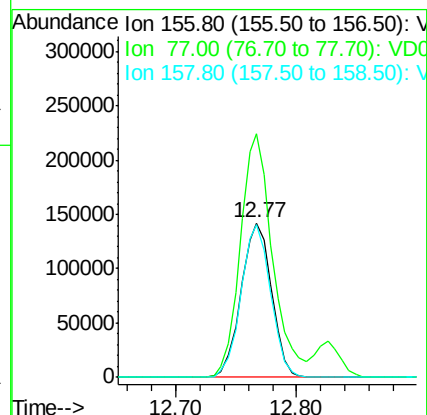
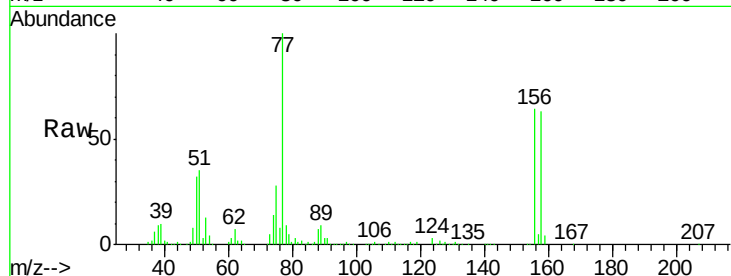
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	166.9	84.2	252.5
158	96.6	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 50.971 ug/l

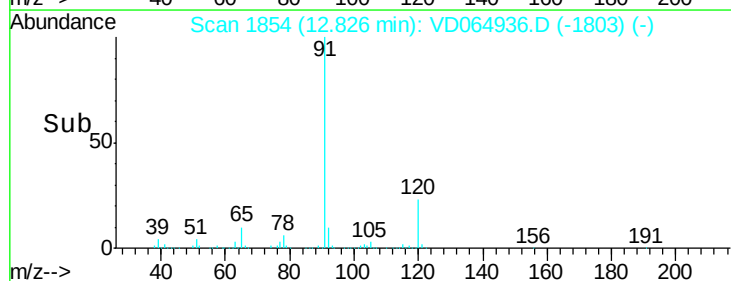
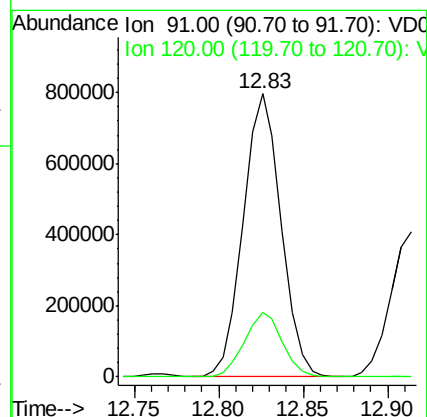
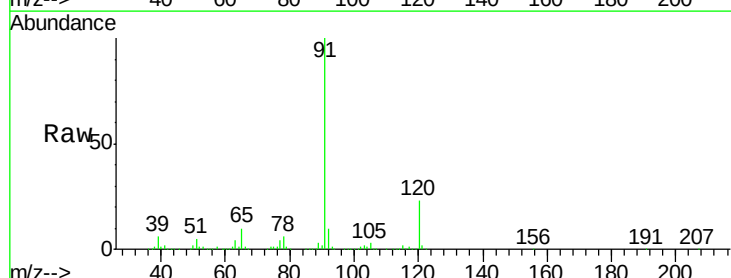
RT: 12.83 min Scan# 1854

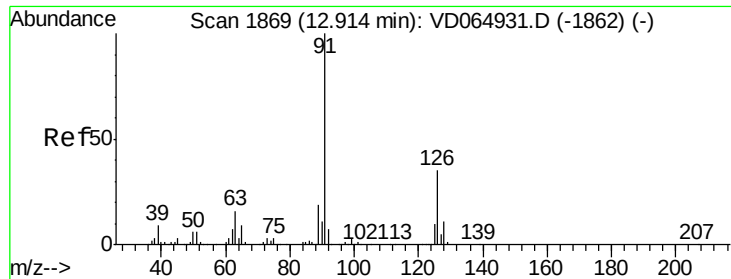
Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.7	35.1





#79

2-Chlorotoluene

Concen: 50.327 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 668610

Ion Ratio Lower Upper

91 100

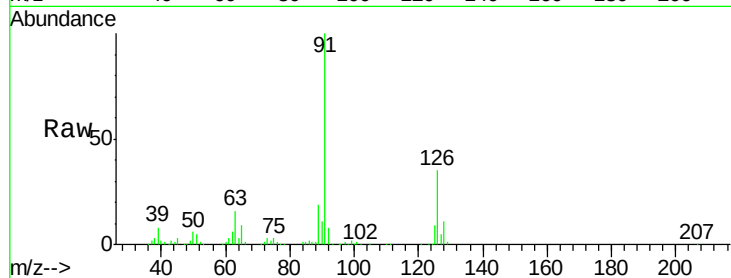
126 35.2 17.9 53.8

Manual Integrations

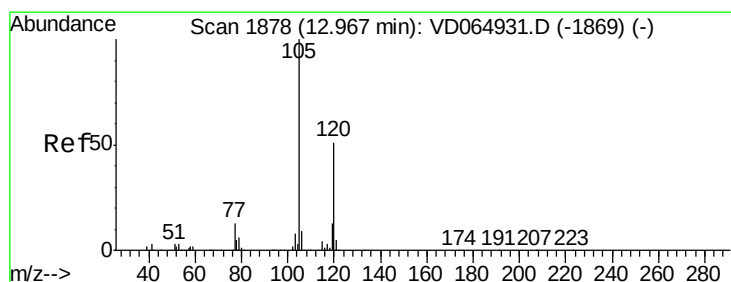
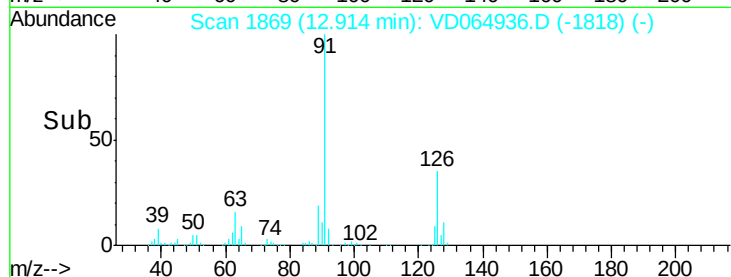
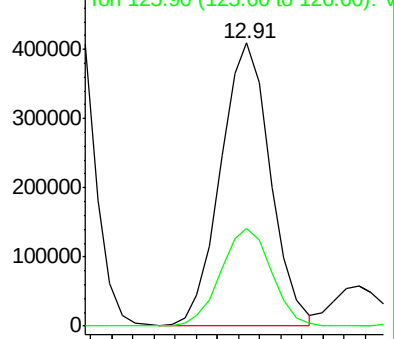
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Abundance Ion 91.00 (90.70 to 91.70): VD064936.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.091 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064936.D

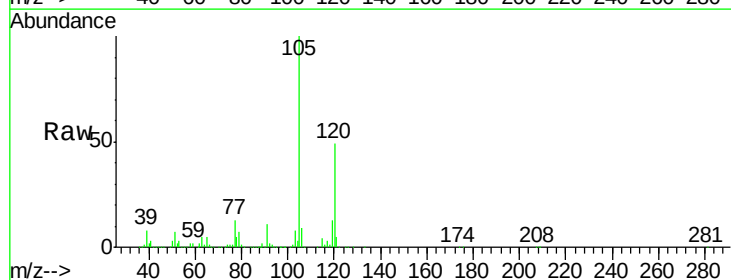
Acq: 24 Jan 2020 10:10

Tgt Ion:105 Resp: 852615

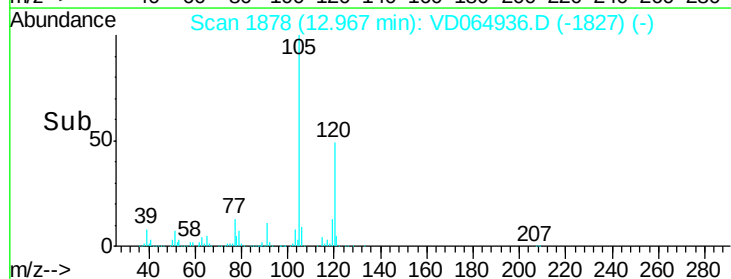
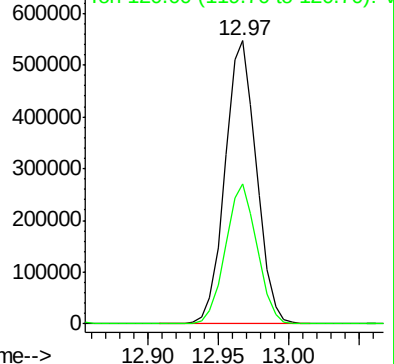
Ion Ratio Lower Upper

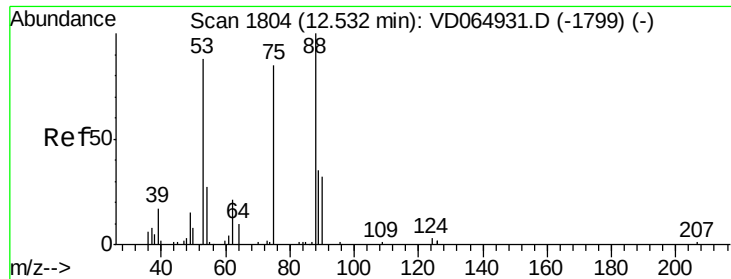
105 100

120 49.8 25.6 76.8



Abundance Ion 105.00 (104.70 to 105.70): VD064936.D (-1878) (-)





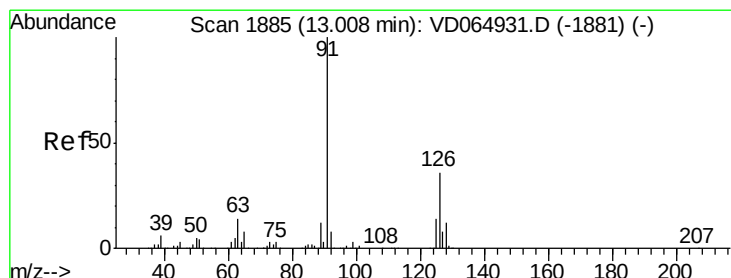
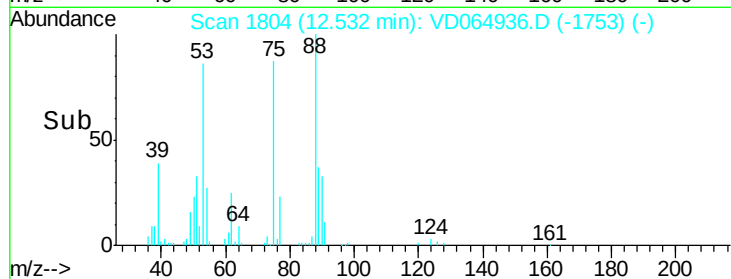
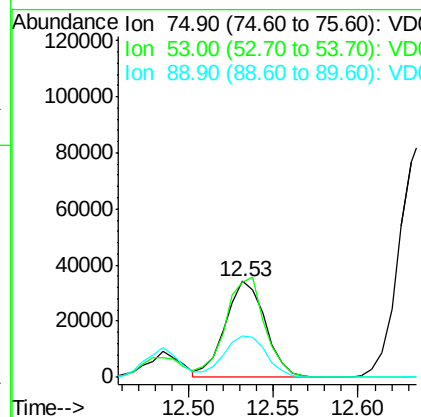
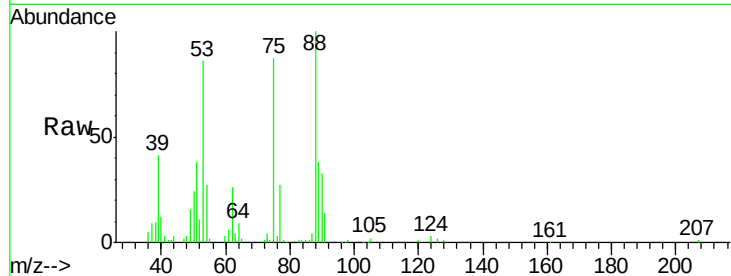
#81
trans-1,4-Dichloro-2-butene
Concen: 49.157 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.2	81.0	121.4
89	46.1	36.2	54.4

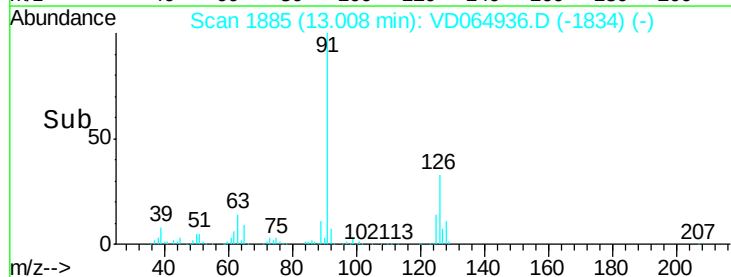
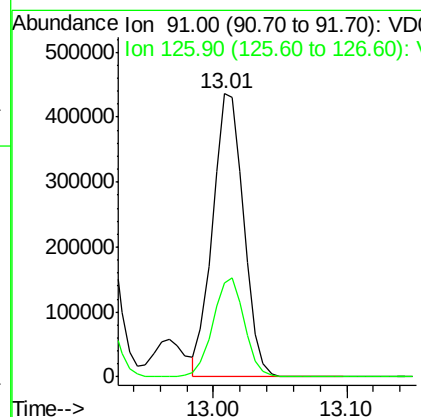
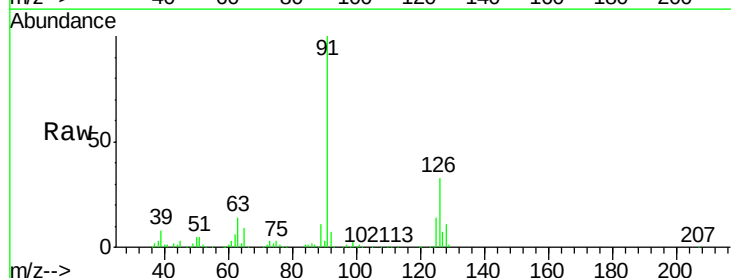
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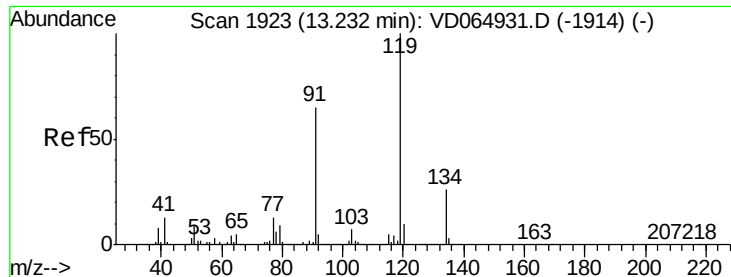
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#82
4-Chlorotoluene
Concen: 50.452 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	18.0	54.0





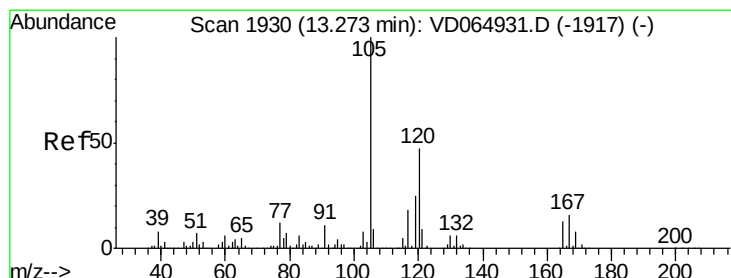
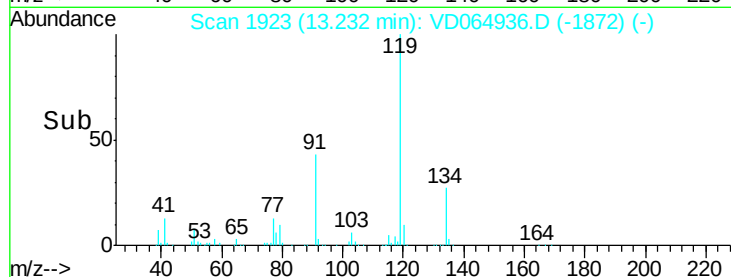
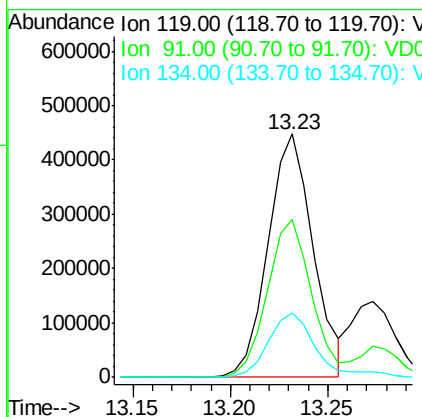
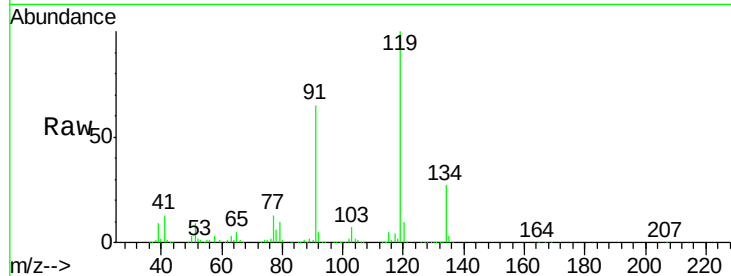
#83
 tert-Butylbenzene
 Concen: 50.432 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.8	32.0	96.0
134	28.2	13.9	41.6

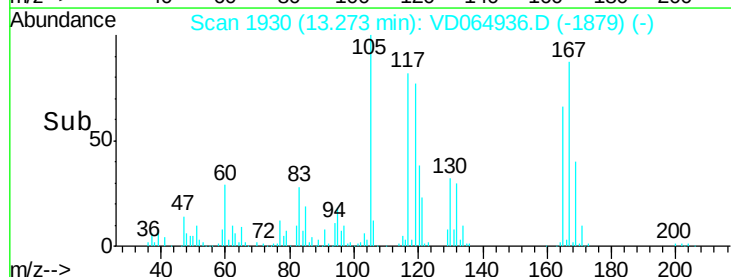
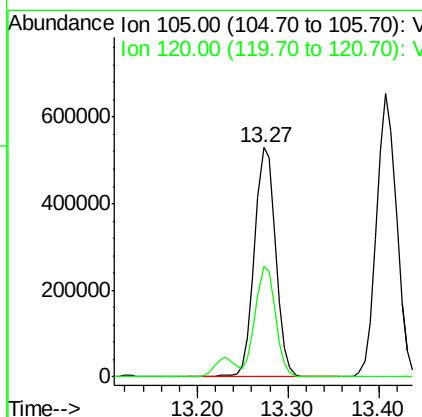
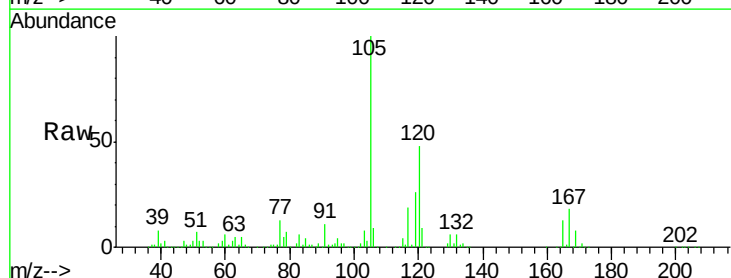
Manual Integrations
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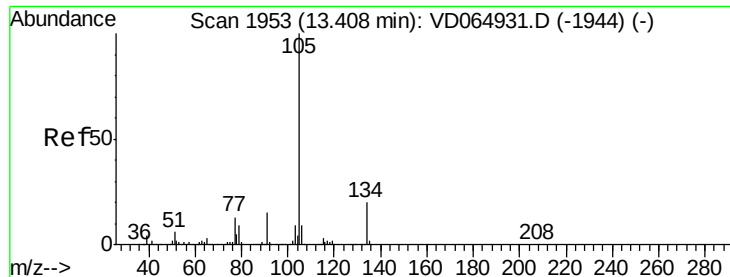
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.548 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 50.227 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1007160

Ion Ratio Lower Upper

105 100

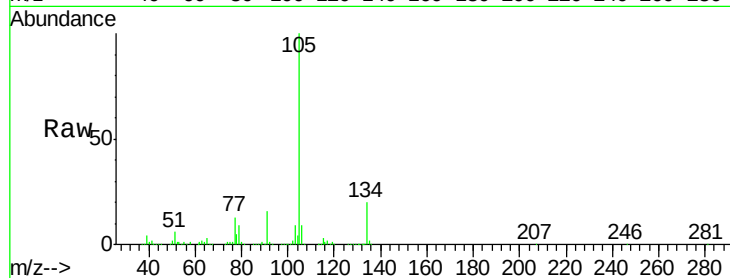
134 20.6 10.4 31.4

Manual Integrations

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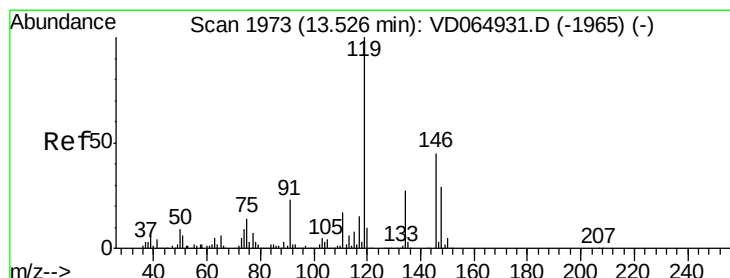
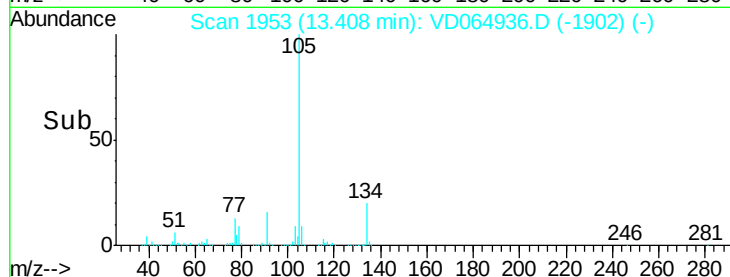
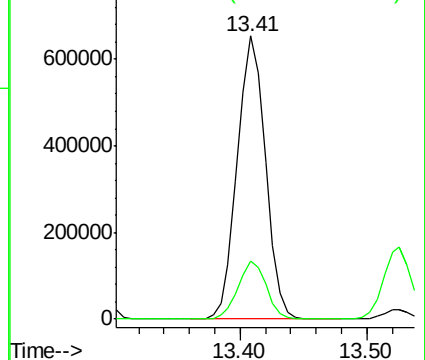
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.605 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

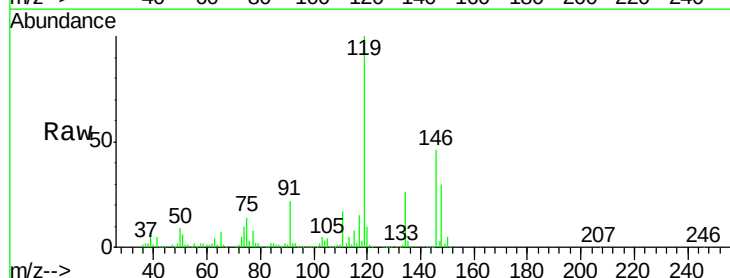
Tgt Ion:119 Resp: 949535

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.9

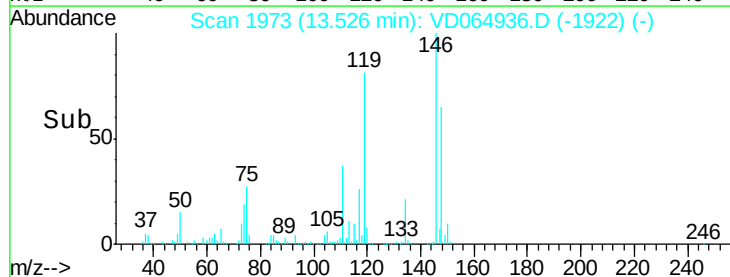
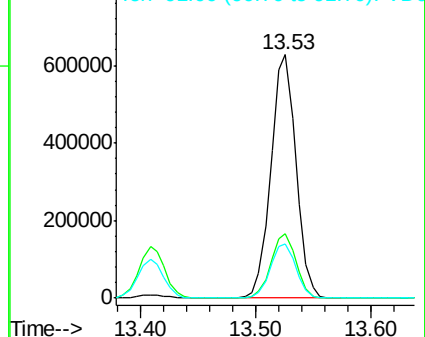
91 22.6 11.4 34.2

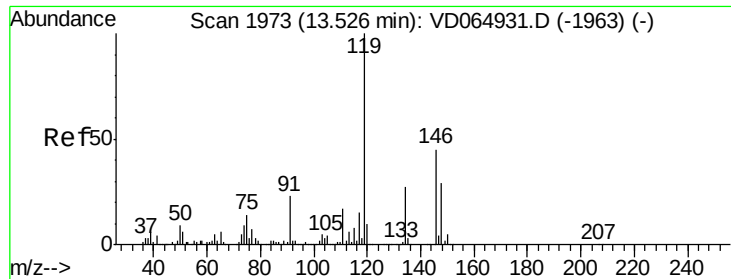


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 50.167 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

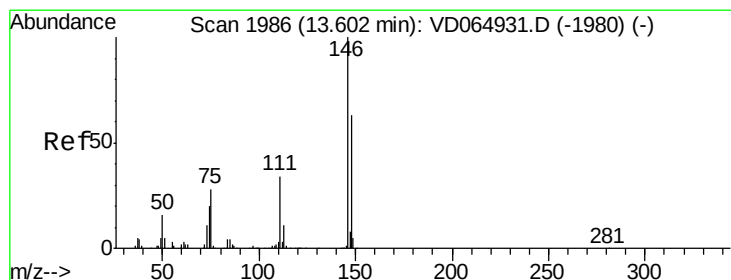
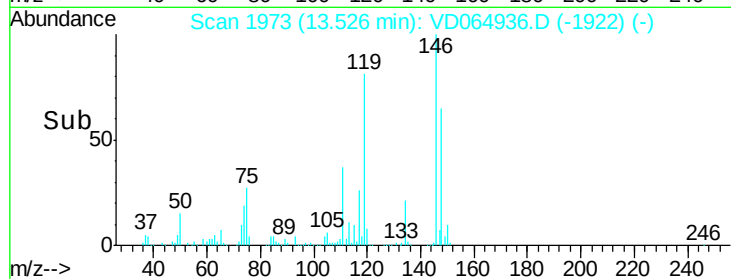
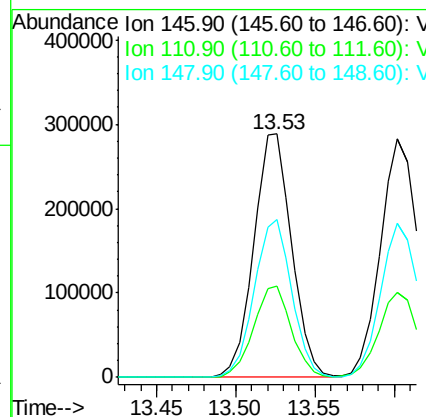
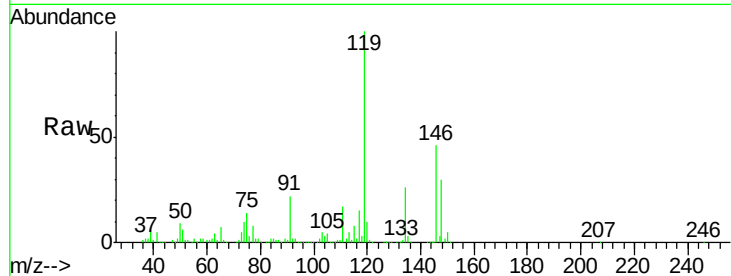
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	479599
Ion Ratio	Lower	Upper	
146	100		
111	37.2	18.9	56.9
148	64.0	32.6	97.7

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.775 ug/l

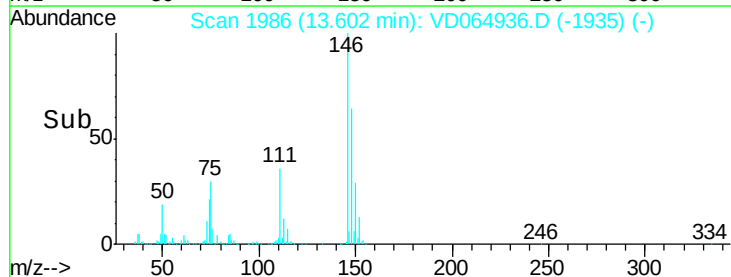
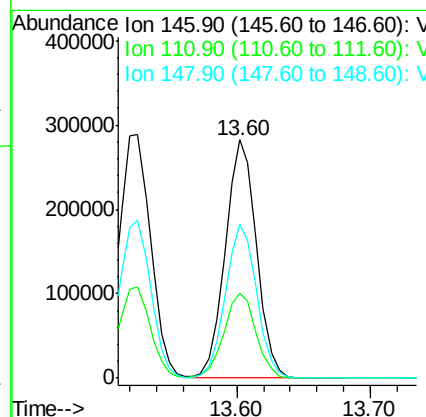
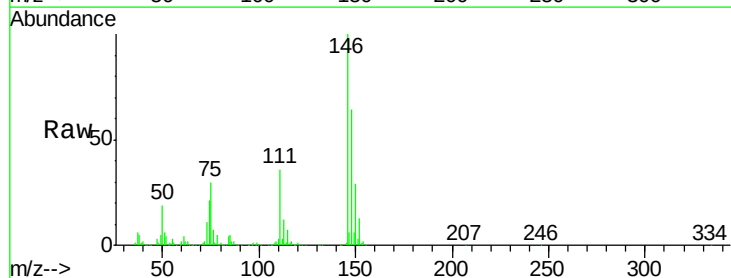
RT: 13.60 min Scan# 1986

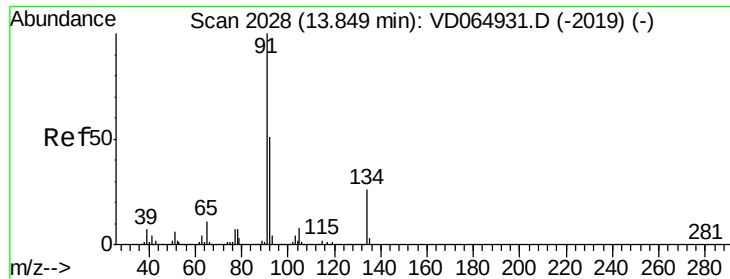
Delta R.T. -0.00 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	146	Resp:	462794
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.2	54.6
148	64.6	32.0	96.0





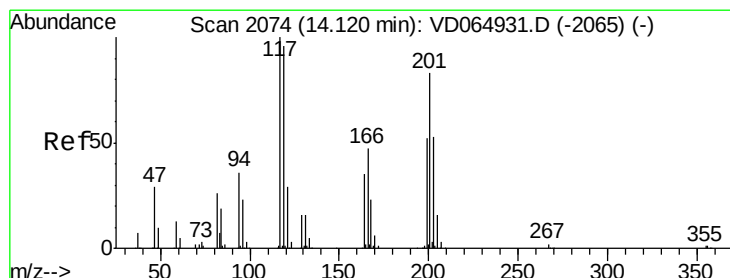
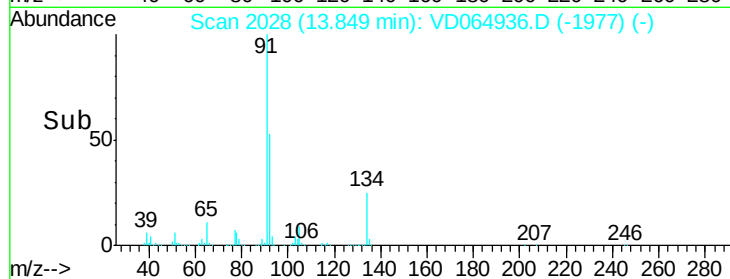
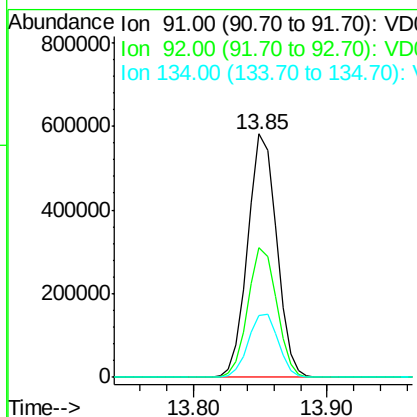
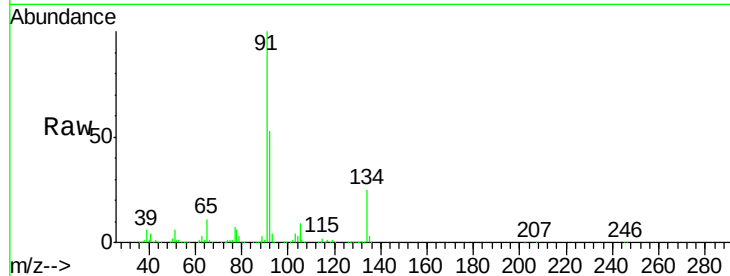
#89
n-Butylbenzene
Concen: 50.698 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.2	26.4	79.0
134	26.8	13.3	39.9

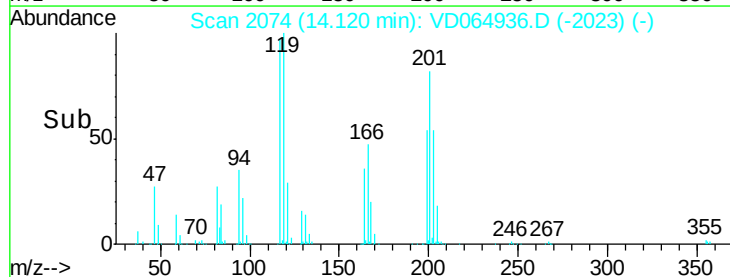
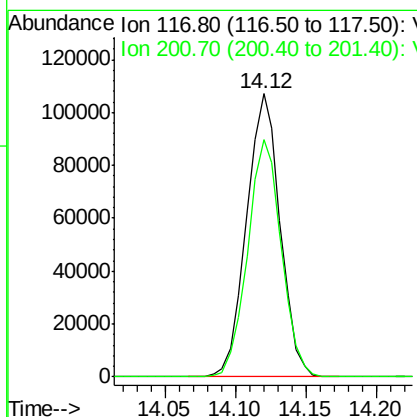
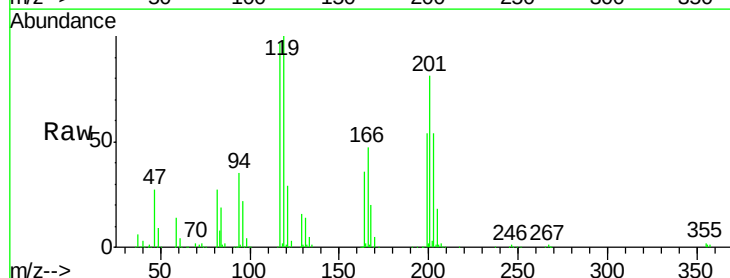
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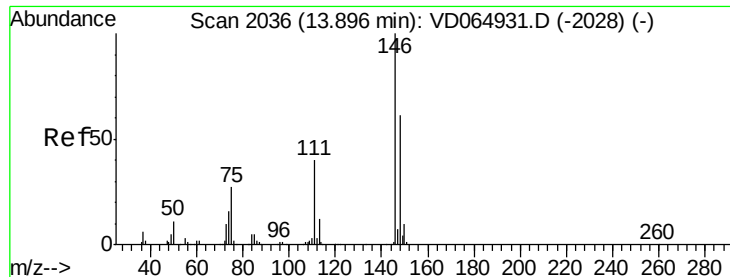
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#90
Hexachloroethane
Concen: 49.276 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064936.D
Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.3	41.1	123.3





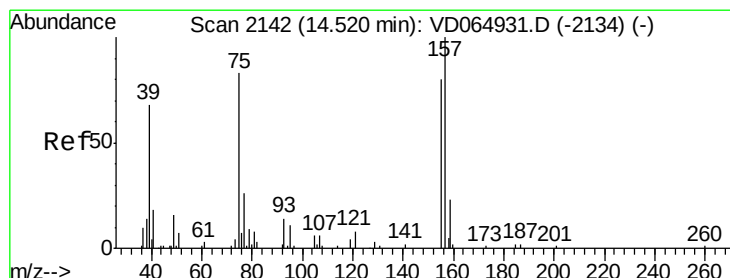
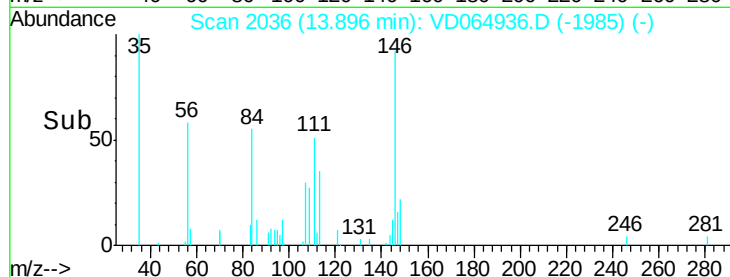
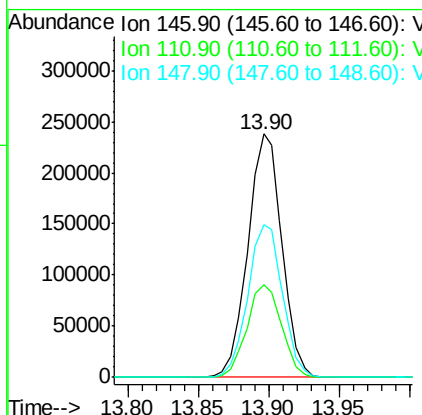
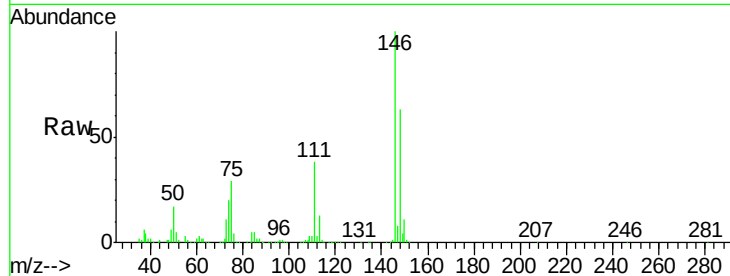
#91
 1,2-Dichlorobenzene
 Concen: 49.612 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	64.0	31.6	95.0

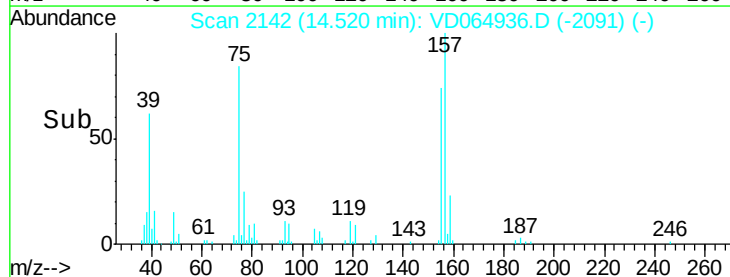
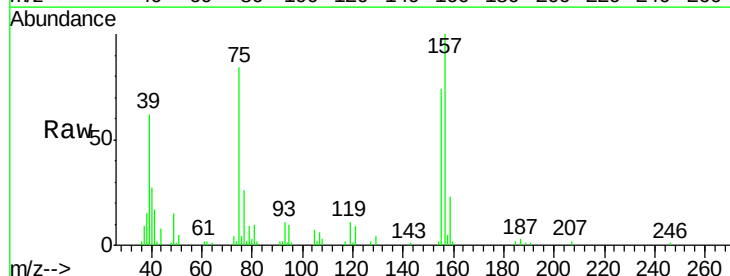
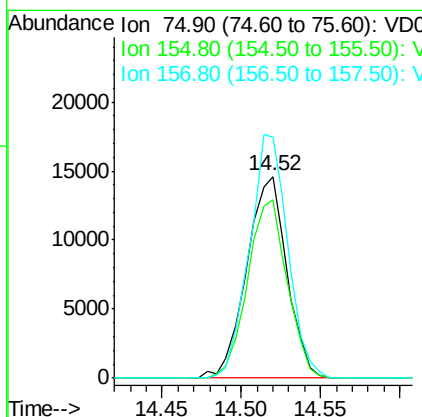
Manual Integrations
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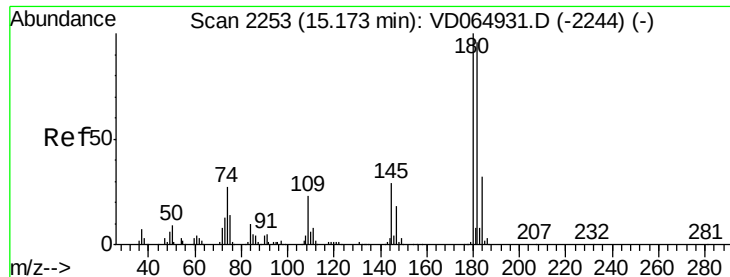
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 46.997 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.0	44.9	134.7
157	115.5	58.9	176.6





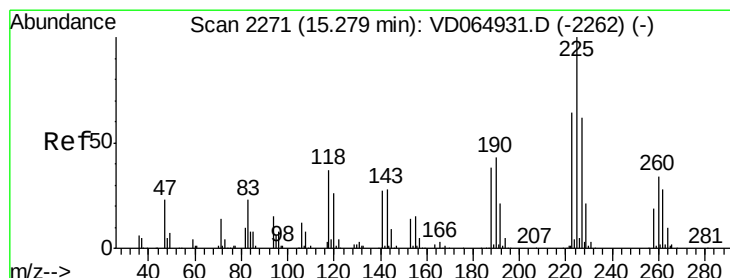
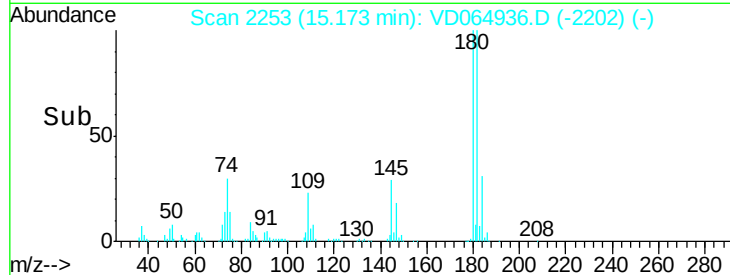
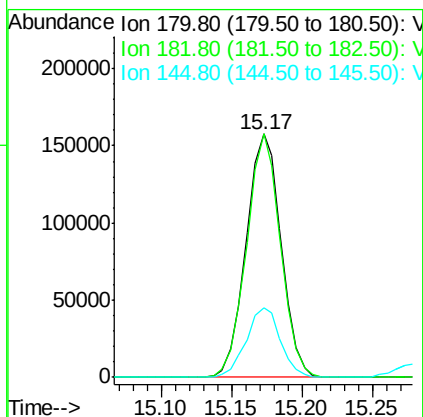
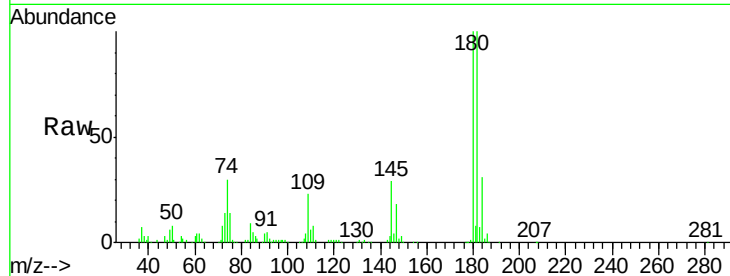
#93
 1,2,4-Trichlorobenzene
 Concen: 48.791 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	273954		
182	96.8	47.1	141.4	
145	28.1	14.1	42.3	

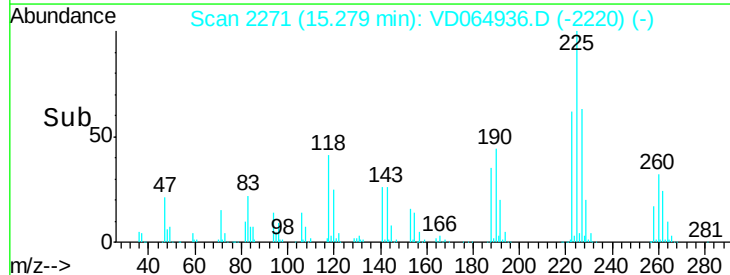
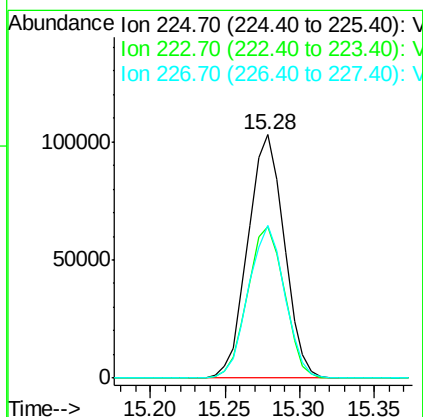
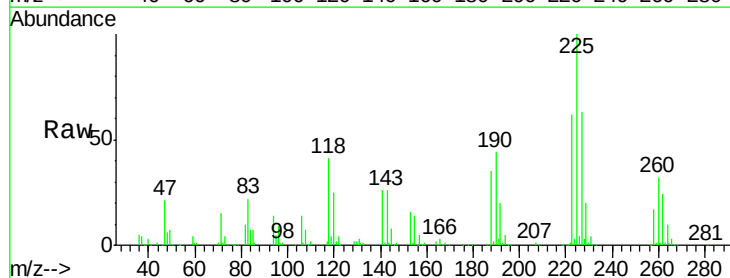
Manual Integrations
 APPROVED

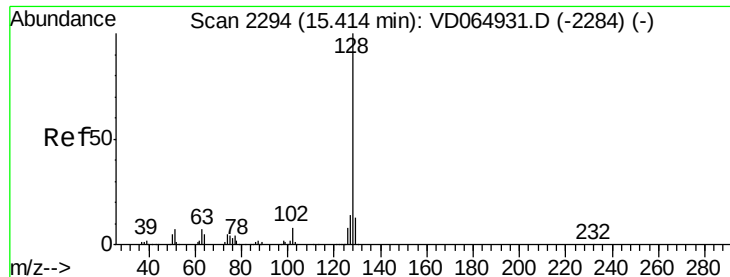
MMDadoda
 1/27/2020 12:02:59 PM



#94
 Hexachlorobutadiene
 Concen: 48.897 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064936.D
 Acq: 24 Jan 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	173660		
223	62.9	32.4	97.2	
227	62.7	31.9	95.9	





#95

Naphthalene

Concen: 49.255 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Instrument :

MSVOA_D

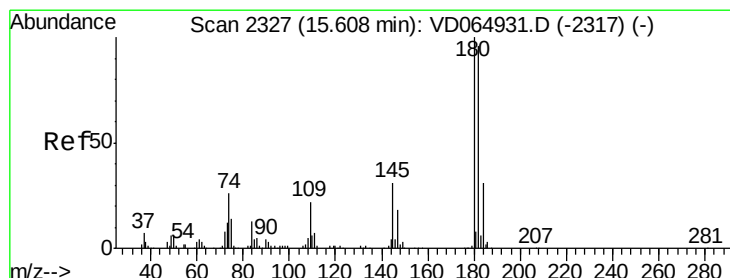
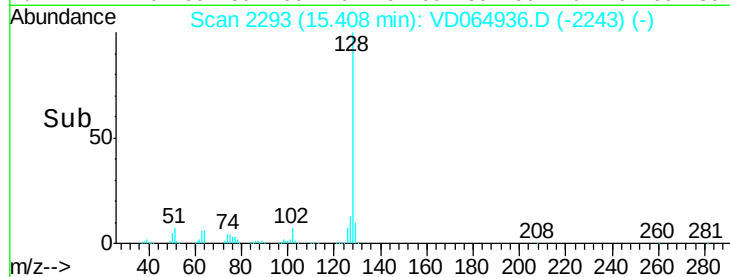
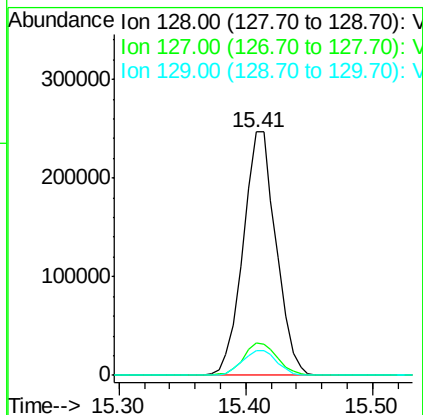
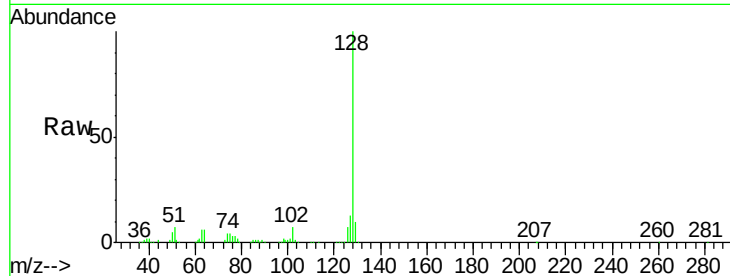
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	446329
Ion Ratio	Lower	Upper	
128	100		
127	13.6	10.6	15.8
129	10.9	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/27/2020 12:02:59 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.550 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD064936.D

Acq: 24 Jan 2020 10:10

Tgt Ion:	180	Resp:	231489
Ion Ratio	Lower	Upper	
180	100		
182	96.4	47.3	141.8
145	30.1	14.6	43.8

