

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012320\
 Data File : VD064931.D
 Acq On : 23 Jan 2020 12:21
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 1/24/2020 4:01:57 PM

Quant Time: Jan 23 12:51:57 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012320S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 23 12:45:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	462006	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	669361	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	600380	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	291886	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	229543	55.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.74%	
35) Dibromofluoromethane	7.92	113	221953	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.34	98	873377	54.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.62%	
62) 4-Bromofluorobenzene	12.64	95	262065	52.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.22%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	176753	49.464	ug/l	100
3) Chloromethane	2.21	50	248306	49.528	ug/l	100
4) Vinyl Chloride	2.35	62	288415	47.431	ug/l	100
5) Bromomethane	2.77	94	187070	42.882	ug/l	100
6) Chloroethane	2.93	64	190014	47.100	ug/l	100
7) Trichlorofluoromethane	3.27	101	446417	44.329	ug/l	100
8) Diethyl Ether	3.71	74	100442	49.225	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	207100	48.884	ug/l	100
10) Methyl Iodide	4.29	142	239870	52.882	ug/l	100
11) Tert butyl alcohol	5.24	59	65809	279.917	ug/l	100
12) 1,1-Dichloroethene	4.06	96	195612	48.517	ug/l	100
13) Acrolein	3.93	56	74220	233.134	ug/l	100
14) Allyl chloride	4.71	41	318471	50.323	ug/l	100
15) Acrylonitrile	5.43	53	217603	255.660	ug/l	100
16) Acetone	4.17	43	235402	276.305	ug/l	100
17) Carbon Disulfide	4.40	76	648183	49.412	ug/l	100
18) Methyl Acetate	4.73	43	100830	44.844	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	453603	50.507	ug/l	100
20) Methylene Chloride	4.96	84	220352	45.519	ug/l	100
21) trans-1,2-Dichloroethene	5.47	96	227014	49.182	ug/l	100
22) Diisopropyl ether	6.37	45	641780	50.863	ug/l	100
23) Vinyl Acetate	6.31	43	1926203	268.345	ug/l	100
24) 1,1-Dichloroethane	6.27	63	383742	50.590	ug/l	100
25) 2-Butanone	7.23	43	308397	272.612	ug/l	100
26) 2,2-Dichloropropane	7.21	77	345774	49.209	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	241332	48.731	ug/l	100
28) Bromochloromethane	7.56	49	174535	58.270	ug/l	100
29) Tetrahydrofuran	7.57	42	184400	264.091	ug/l	100
30) Chloroform	7.71	83	394456	49.662	ug/l	100
31) Cyclohexane	7.98	56	364817	48.031	ug/l	100
32) 1,1,1-Trichloroethane	7.91	97	369774	49.583	ug/l	100
36) 1,1-Dichloropropene	8.11	75	324048	50.287	ug/l	100
37) Ethyl Acetate	7.30	43	127407	50.686	ug/l	100
38) Carbon Tetrachloride	8.10	117	345323	50.409	ug/l	100

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	388608	50.053	ug/l	100
40) Benzene	8.36	78	886882	50.379	ug/l	100
41) Methacrylonitrile	7.54	41	82460	55.981	ug/l	100
42) 1,2-Dichloroethane	8.43	62	263803	51.645	ug/l	100
43) Isopropyl Acetate	8.46	43	251438	50.203	ug/l	100
44) Trichloroethene	9.11	130	244445	47.756	ug/l	100
45) 1,2-Dichloropropane	9.39	63	210807	50.245	ug/l	100
46) Dibromomethane	9.48	93	114241	49.227	ug/l	100
47) Bromodichloromethane	9.67	83	303044	48.991	ug/l	100
48) Methyl methacrylate	9.46	41	119703	51.075	ug/l	100
49) 1,4-Dioxane	9.47	88	28137	1035.030	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	644037	258.346	ug/l	100
52) Toluene	10.41	92	572763	49.797	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	296392	51.106	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	344510	50.522	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	156851	49.834	ug/l	100
56) Ethyl methacrylate	10.67	69	199256	50.814	ug/l	100
57) 1,3-Dichloropropane	10.95	76	273372	50.411	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	287883	198.149	ug/l	100
59) 2-Hexanone	10.99	43	457298	269.619	ug/l	100
60) Dibromochloromethane	11.14	129	210388	48.661	ug/l	100
61) 1,2-Dibromoethane	11.25	107	151213	48.984	ug/l	100
64) Tetrachloroethene	10.88	164	217144	47.638	ug/l	100
65) Chlorobenzene	11.67	112	588955	47.942	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	226566	48.690	ug/l	100
67) Ethyl Benzene	11.75	91	1098226	48.999	ug/l	100
68) m/p-Xylenes	11.86	106	847493	98.204	ug/l	100
69) o-Xylene	12.18	106	375525	48.274	ug/l	100
70) Styrene	12.20	104	682579	49.698	ug/l	100
71) Bromoform	12.37	173	125824	47.696	ug/l #	100
73) Isopropylbenzene	12.48	105	1034838	50.009	ug/l	100
74) N-amyl acetate	12.30	43	228570	51.536	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	166635	50.930	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	133038m	55.402	ug/l	
77) Bromobenzene	12.77	156	246372	48.588	ug/l	100
78) n-propylbenzene	12.83	91	1220336	50.389	ug/l	100
79) 2-Chlorotoluene	12.91	91	662378	49.805	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	838550	49.464	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	57409	51.936	ug/l	100
82) 4-Chlorotoluene	13.01	91	695635	49.243	ug/l	100
83) tert-Butylbenzene	13.23	119	720869	49.044	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	848112	50.046	ug/l	100
85) sec-Butylbenzene	13.41	105	1001876	49.579	ug/l	100
86) p-Isopropyltoluene	13.53	119	957681	49.627	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	466118	48.215	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	459628	48.453	ug/l	100
89) n-Butylbenzene	13.85	91	882749	50.563	ug/l	100
90) Hexachloroethane	14.12	117	180099	48.860	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	400898	48.627	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26036	49.192	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	278183	46.341	ug/l	100
94) Hexachlorobutadiene	15.28	225	170901	45.294	ug/l	100
95) Naphthalene	15.41	128	464373	48.754	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	243422	47.337	ug/l	100

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

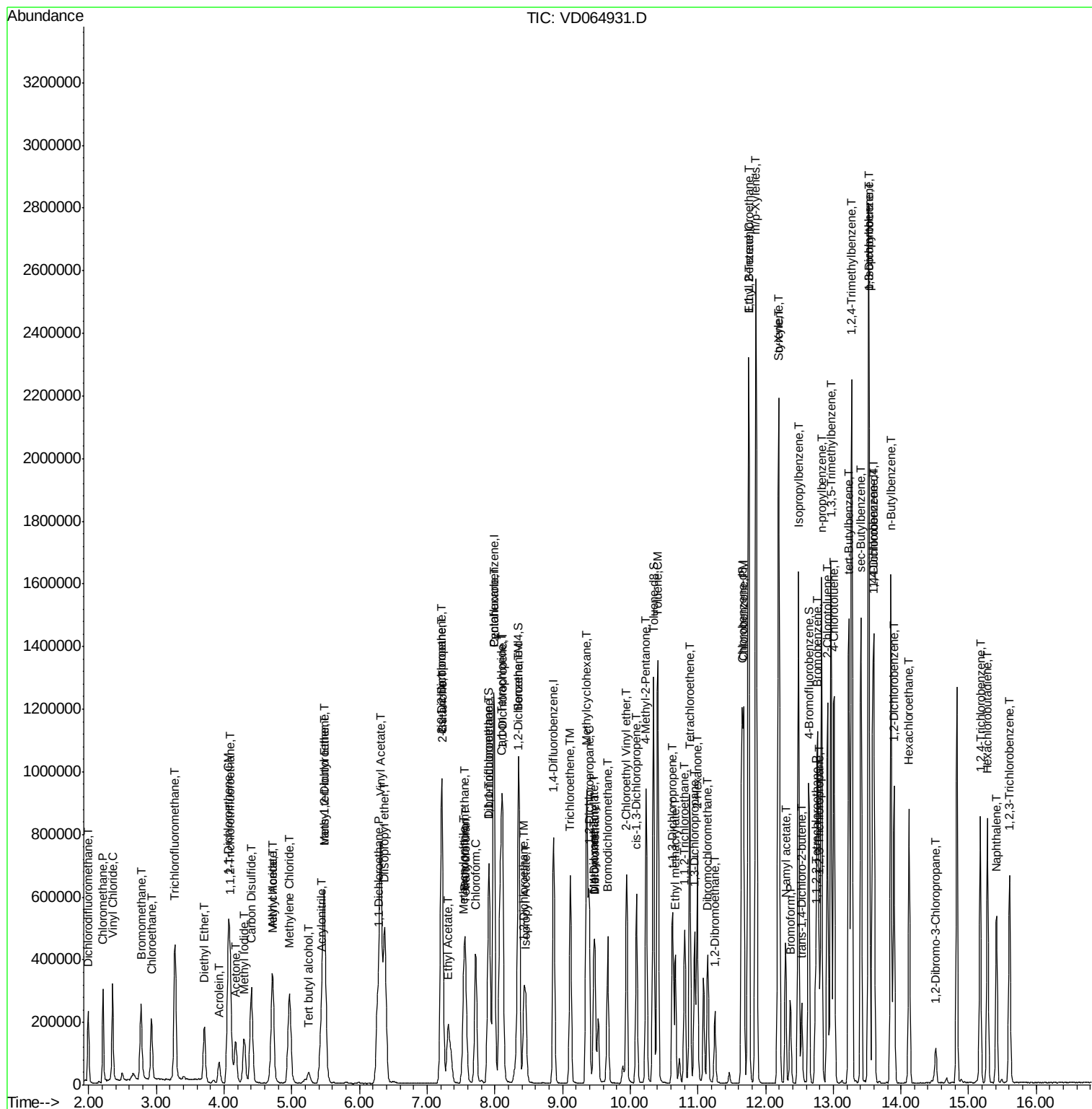
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD012320\
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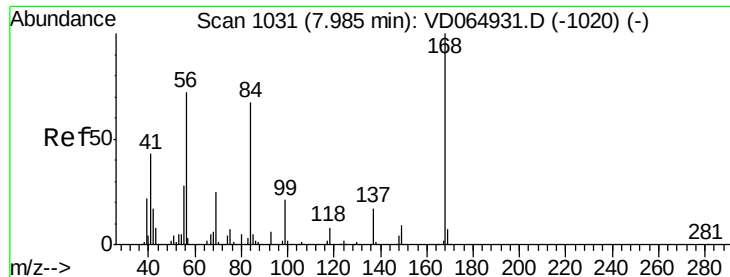
Instrument :
MSVOA_D
ClientSampleId :
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 462006

Ion Ratio Lower Upper

168 100

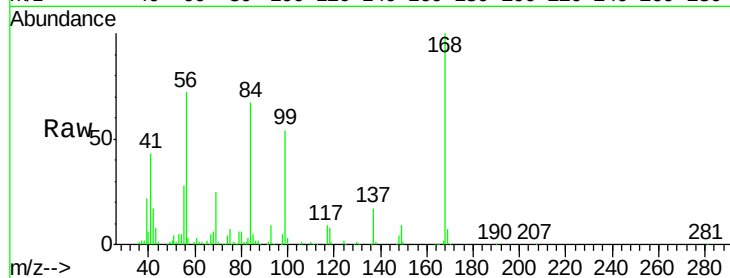
99 54.1 43.3 64.9

Manual Integrations

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1/24/2020 4:01:57 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

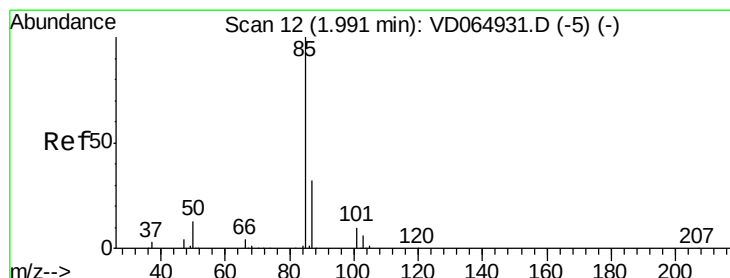
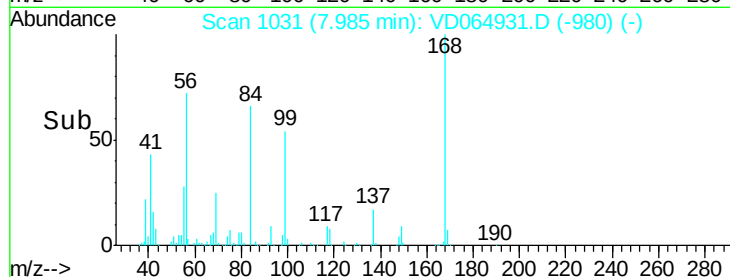
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.464 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064931.D

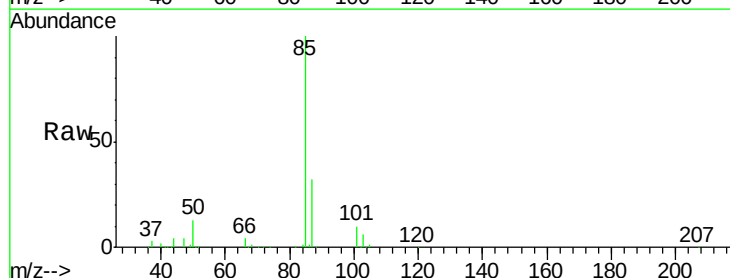
Acq: 23 Jan 2020 12:21

Tgt Ion: 85 Resp: 176753

Ion Ratio Lower Upper

85 100

87 31.5 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

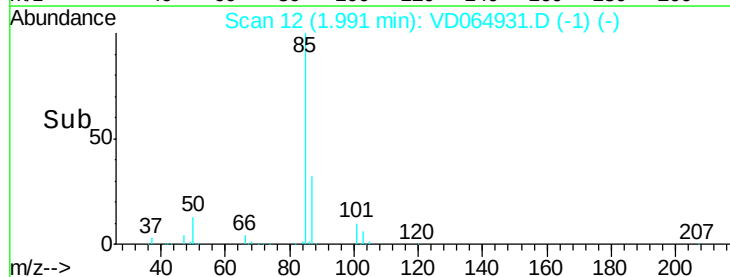
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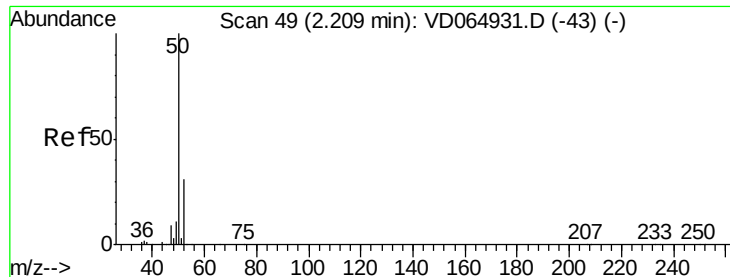
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 49.528 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 248306

Ion Ratio Lower Upper

50 100

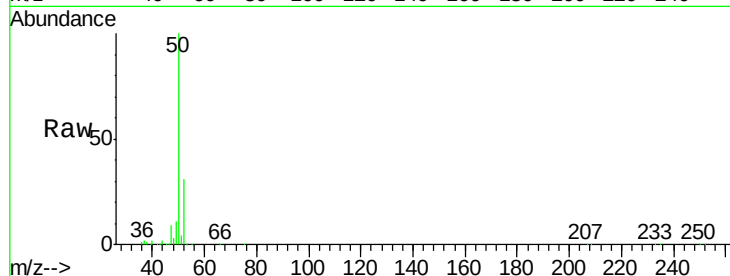
52 30.7 24.6 36.8

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

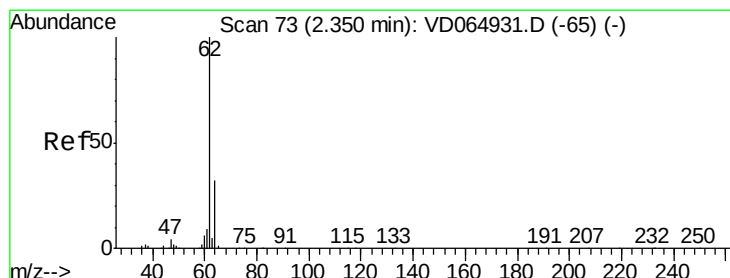
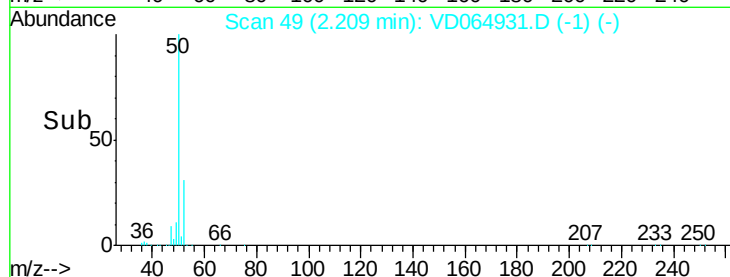
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.431 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064931.D

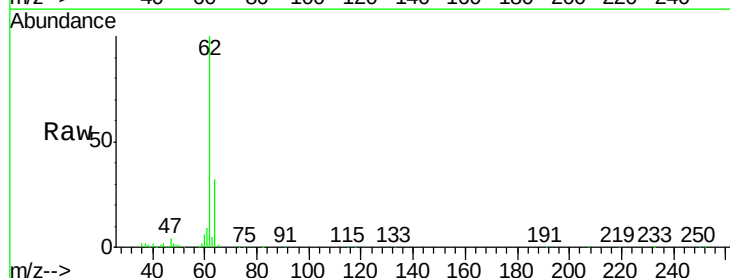
Acq: 23 Jan 2020 12:21

Tgt Ion: 62 Resp: 288415

Ion Ratio Lower Upper

62 100

64 32.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

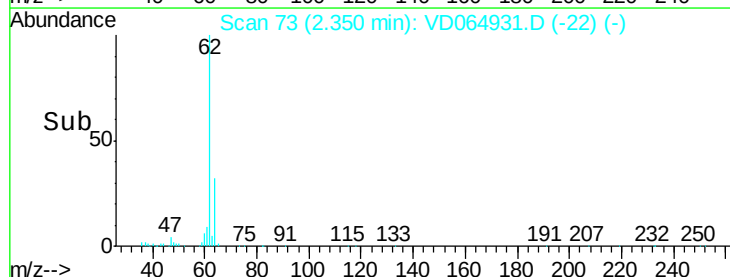
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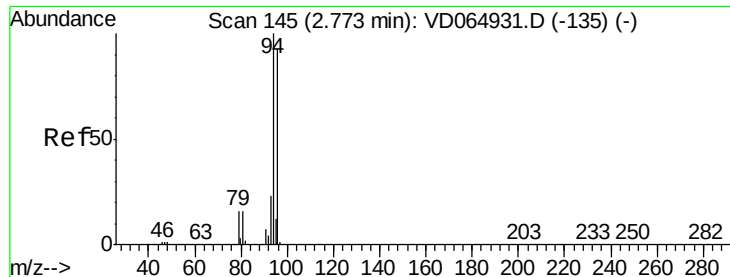
100000

50000

0

Time-->





#5

Bromomethane

Concen: 42.882 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 187070

Ion Ratio Lower Upper

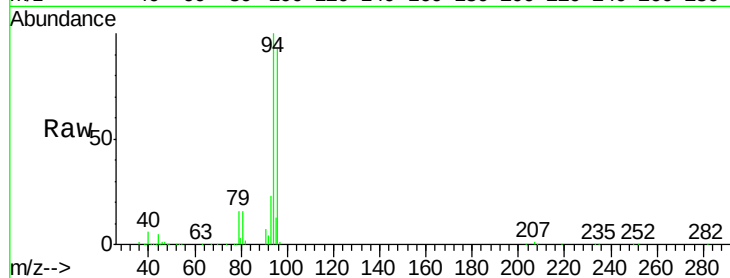
94 100

96 93.2 74.6 111.8

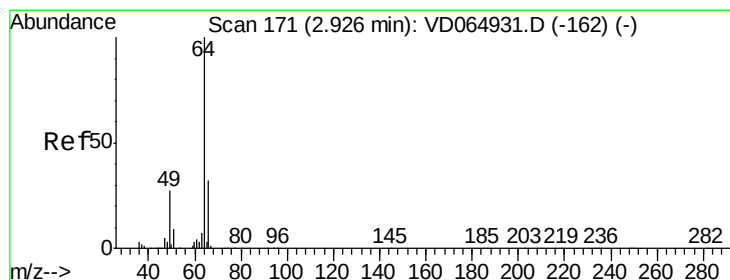
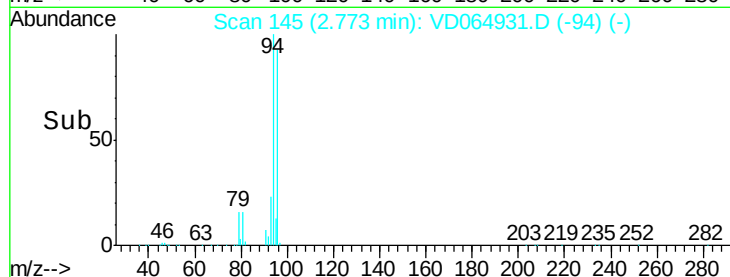
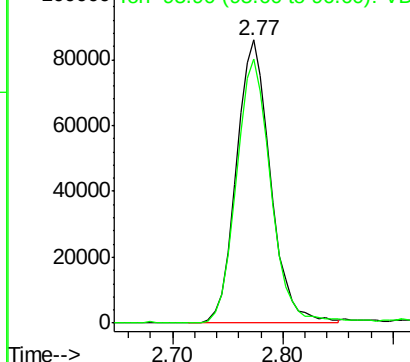
Manual Integrations
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Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.100 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD064931.D

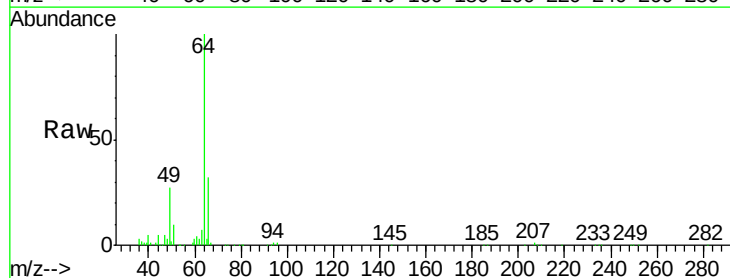
Acq: 23 Jan 2020 12:21

Tgt Ion: 64 Resp: 190014

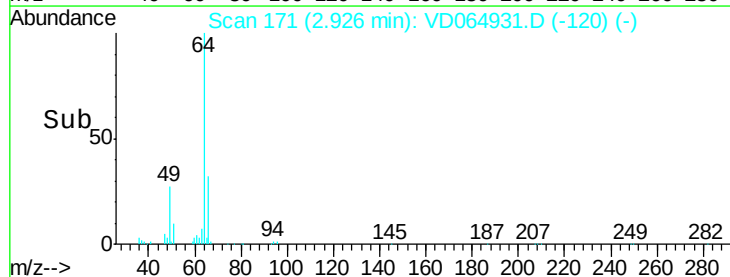
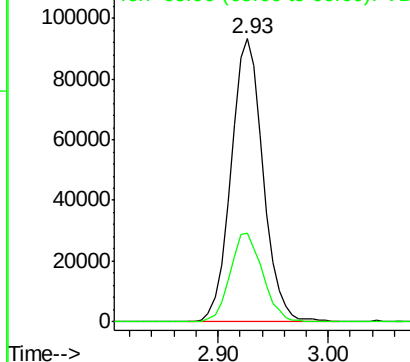
Ion Ratio Lower Upper

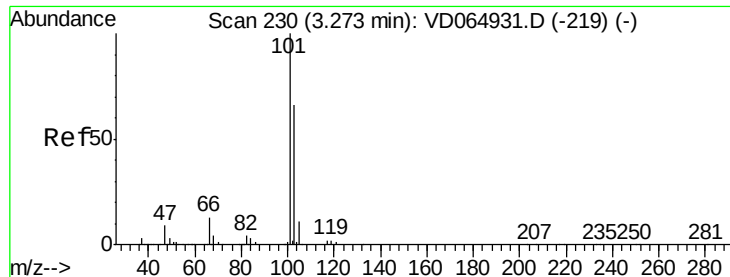
64 100

66 31.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

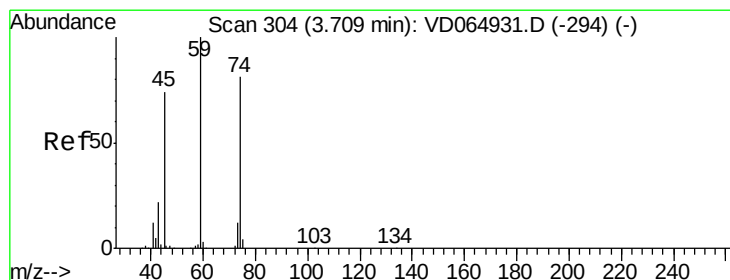
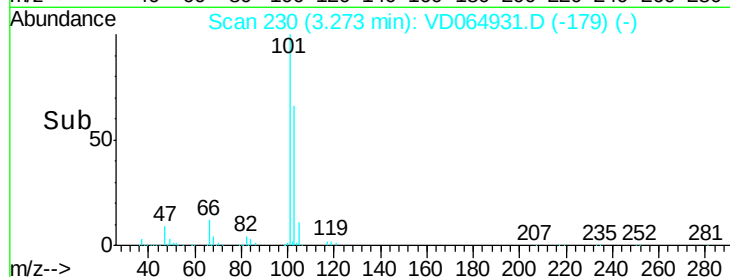
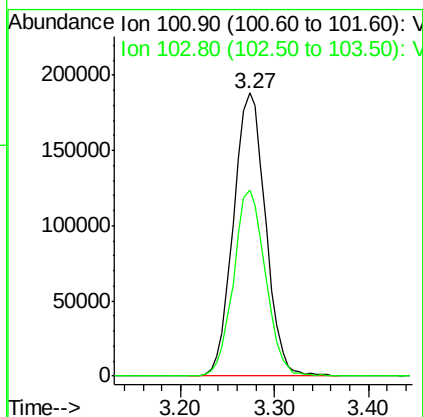
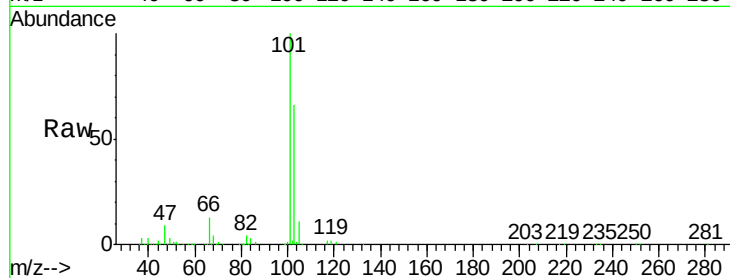
Trichlorofluoromethane
Concen: 44.329 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	52.5	78.7

Manual Integrations
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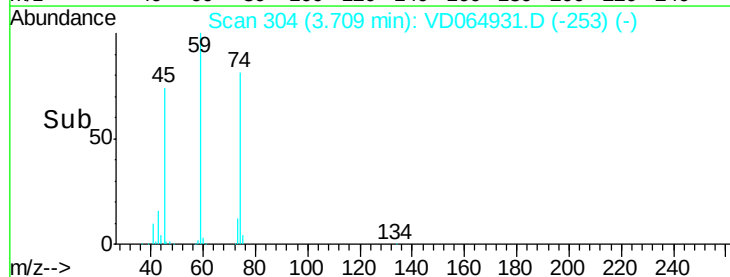
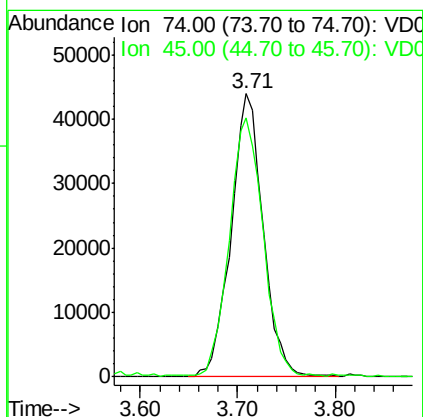
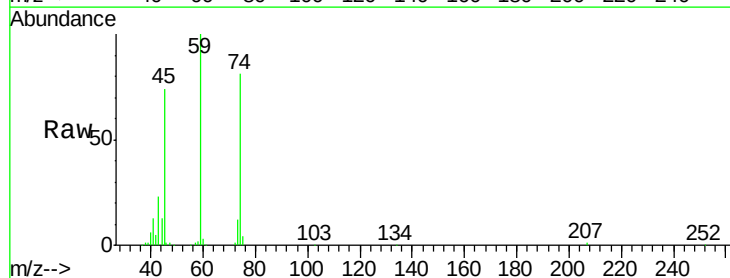
MMDadoda
1/24/2020 4:01:57 PM

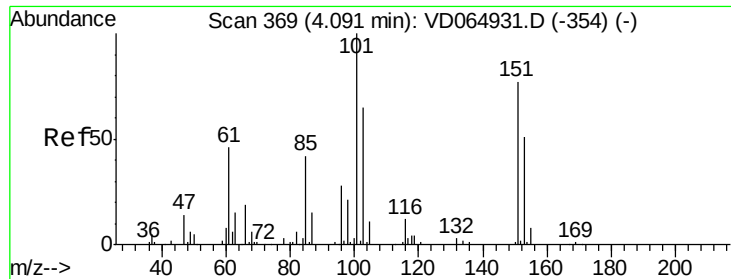


#8

Diethyl Ether
Concen: 49.225 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.0	48.5	145.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.884 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

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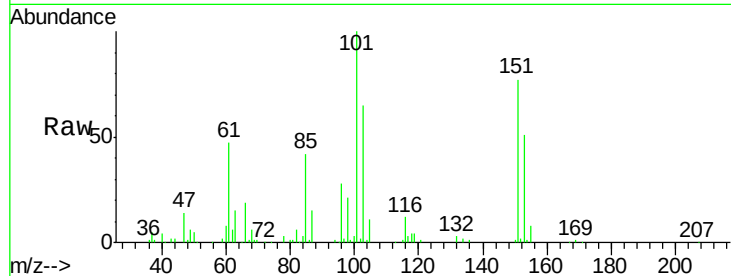
ClientSampleId :

VSTDICCC050

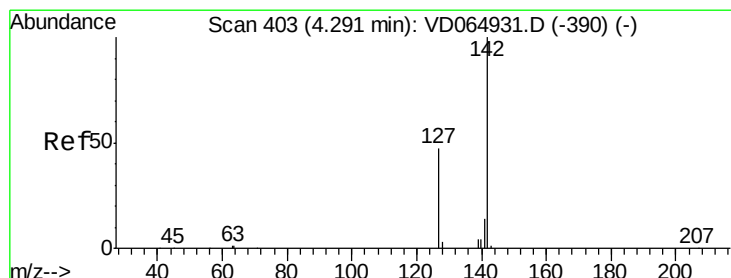
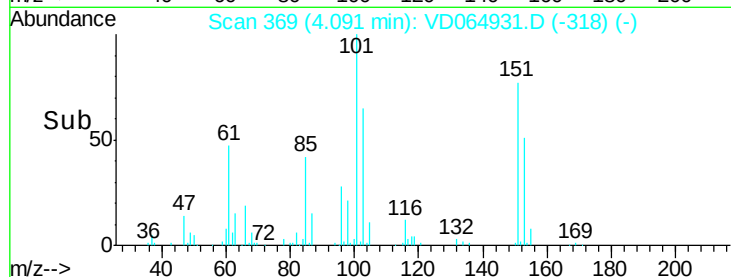
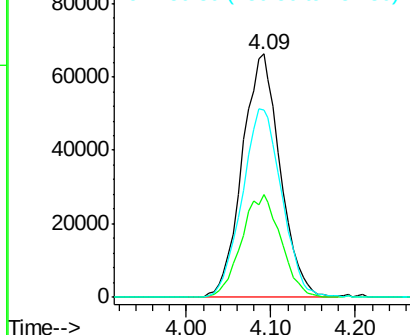
Tot Ion:	101	Resp:	207100
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.0	52.4
151	80.7	64.6	96.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.882 ug/l

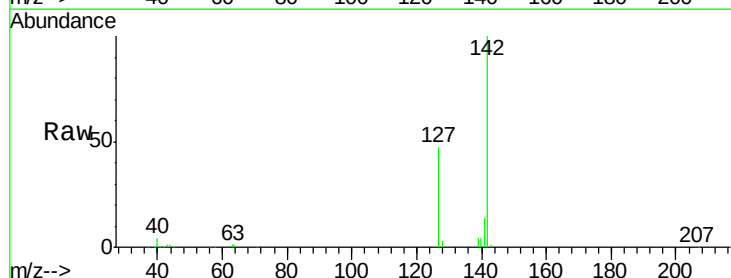
RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

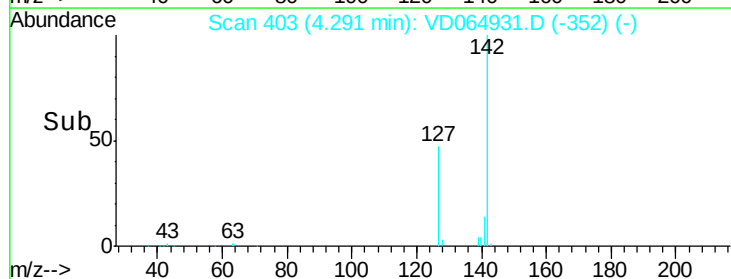
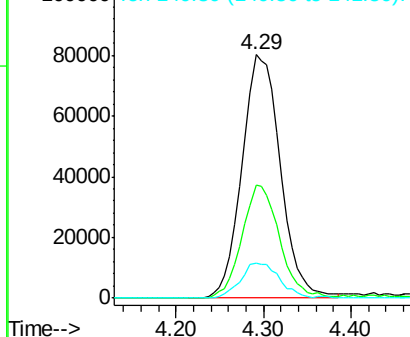
Lab File: VD064931.D

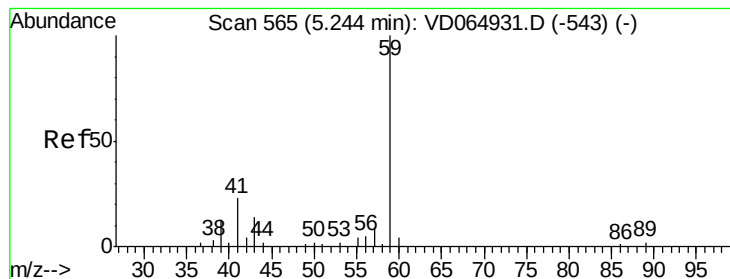
Acq: 23 Jan 2020 12:21

Tgt Ion:	142	Resp:	239870
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.2	54.2
141	14.5	11.6	17.4



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

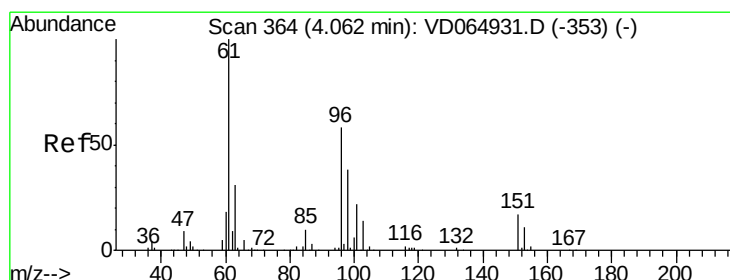
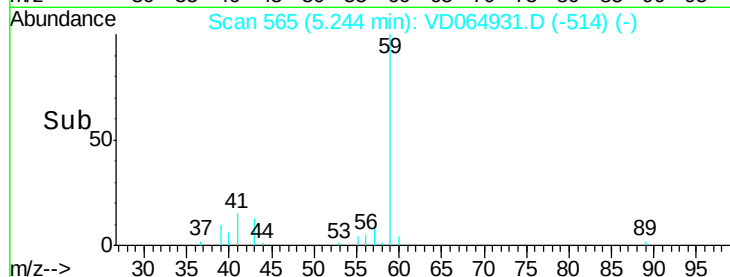
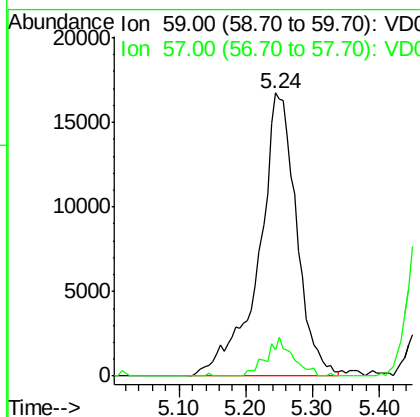
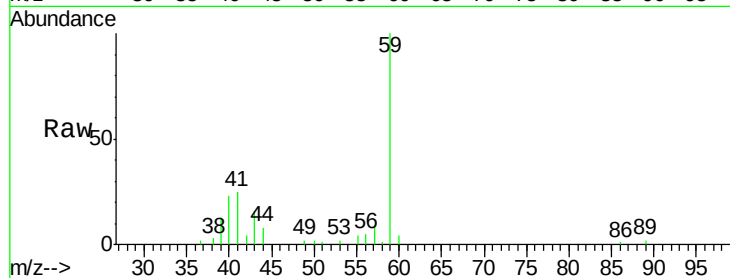
Tert butyl alcohol
 Concen: 279.917 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	59	57	Ratio	100	9.6	Resp:	65809	Lower	7.7	Upper	11.5
Ion											

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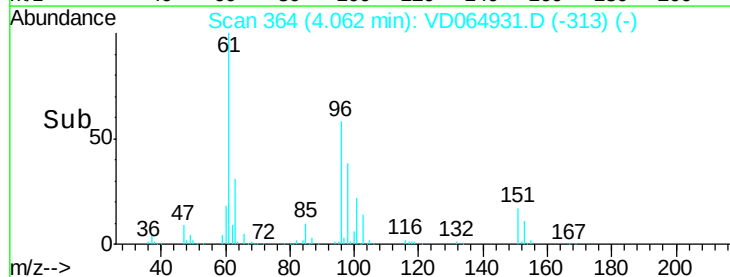
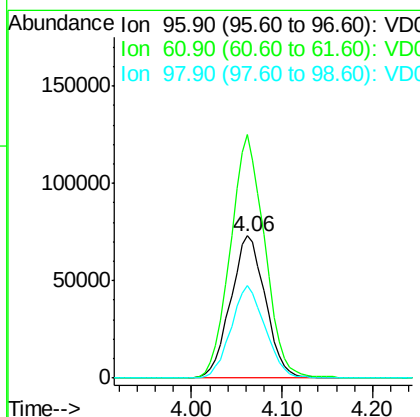
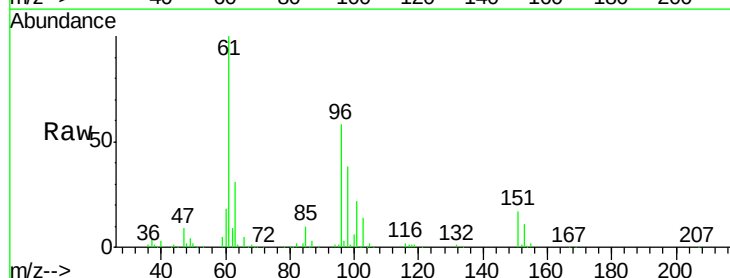
MMDadoda
 1/24/2020 4:01:57 PM

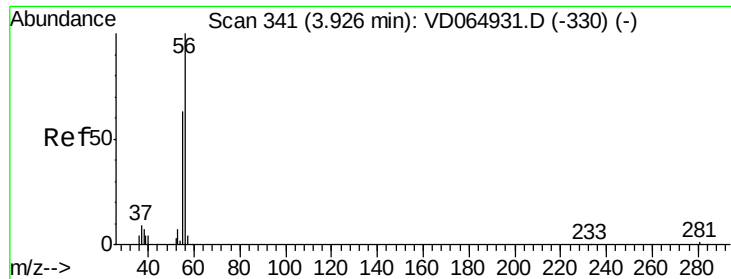


#12

1,1-Dichloroethene
 Concen: 48.517 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	96	61	98	Ratio	100	171.2	65.1	Resp:	195612	Lower	137.0	52.1	Upper	205.4	78.1
Ion															





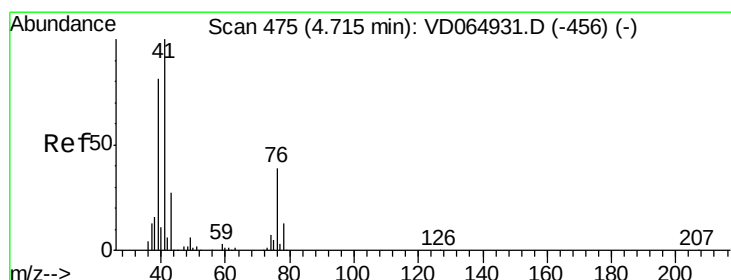
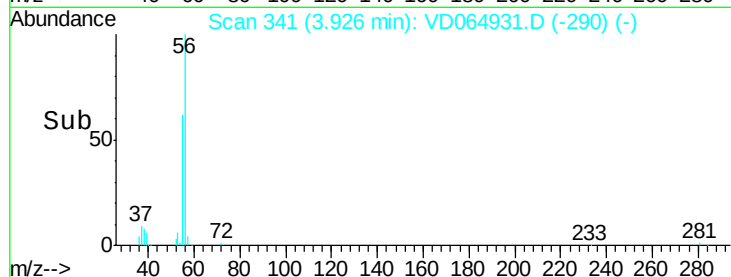
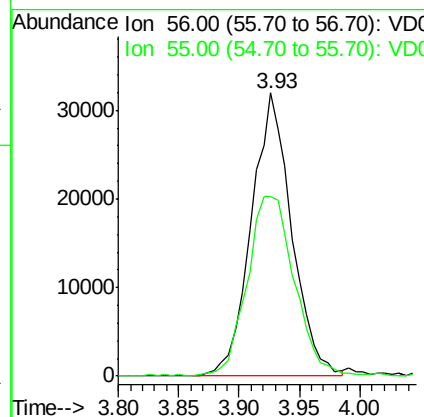
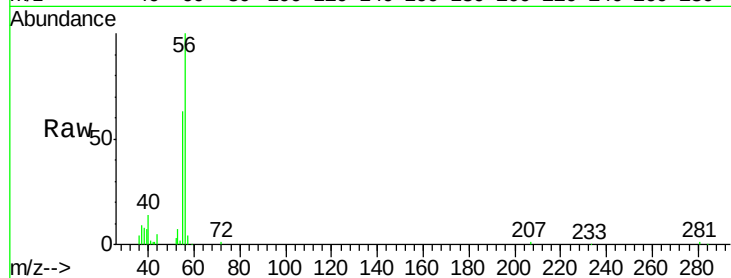
#13
Acrolein
Concen: 233.134 ug/l
RT: 3.93 min Scan# 341
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	56	Resp	74220
Ion Ratio	100	Lower	Upper
55	74.6	59.7	89.5

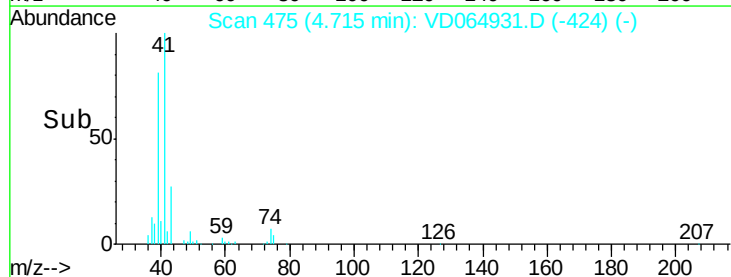
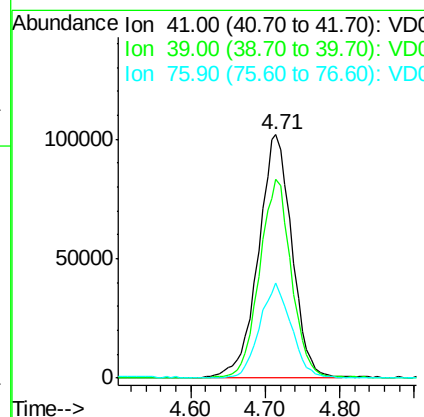
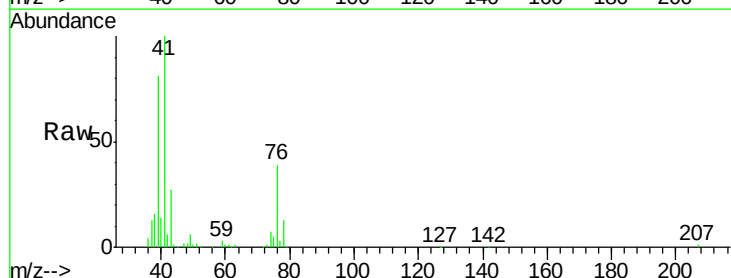
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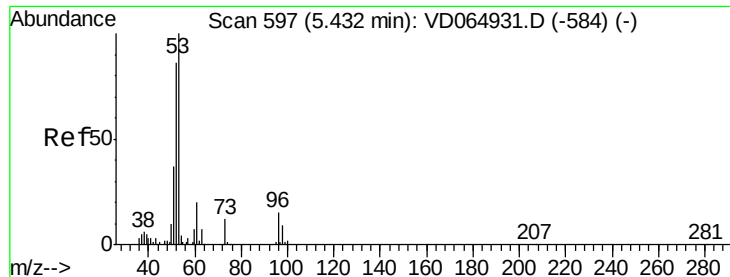
MMDadoda
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#14
Allyl chloride
Concen: 50.323 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	41	Resp	318471
Ion Ratio	100	Lower	Upper
39	77.5	62.0	93.0
76	36.6	29.3	43.9





#15

Acrylonitrile

Concen: 255.660 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

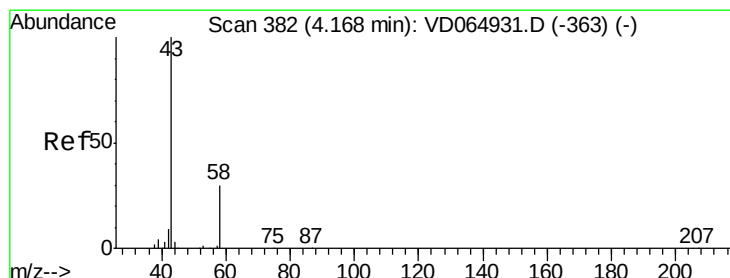
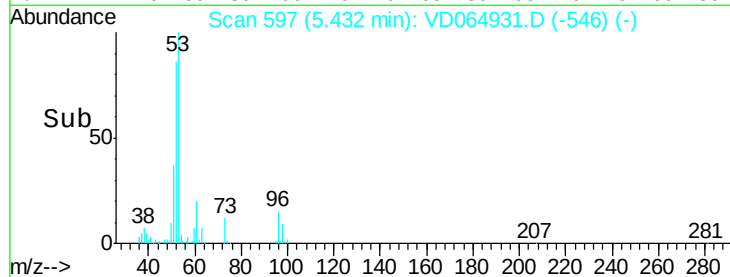
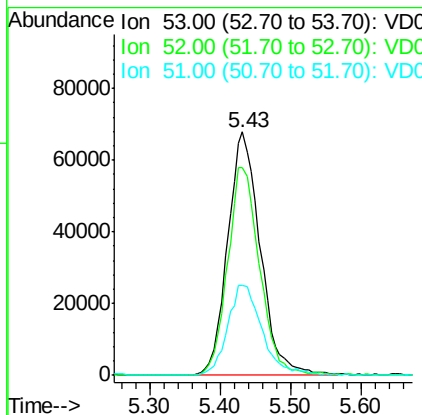
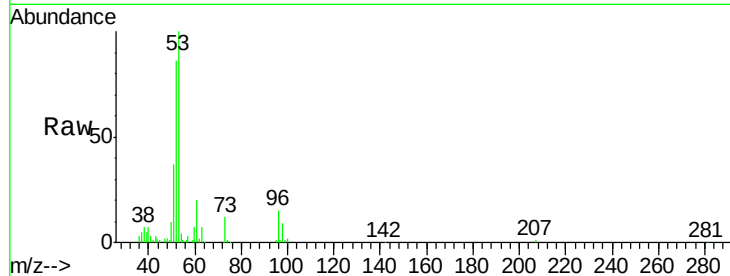
ClientSampleId :

VSTDICCC050

Tot Ion:	53	Resp:	217603
Ion Ratio	Lower	Upper	
53	100		
52	83.4	66.7	100.1
51	38.9	31.1	46.7

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#16

Acetone

Concen: 276.305 ug/l

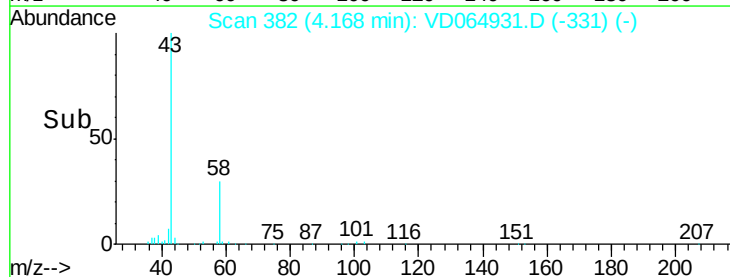
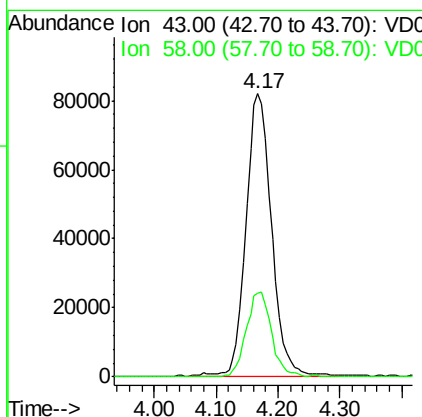
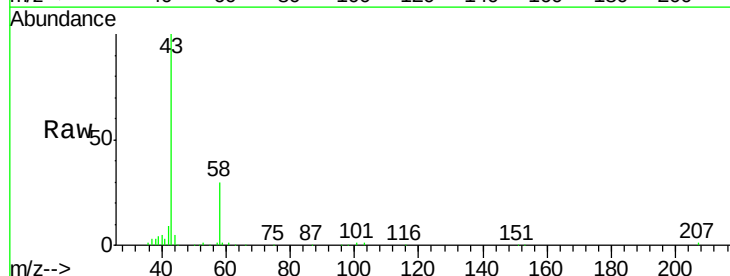
RT: 4.17 min Scan# 382

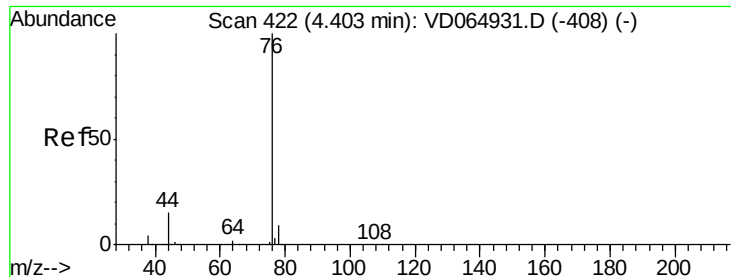
Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion:	43	Resp:	235402
Ion Ratio	Lower	Upper	
43	100		
58	29.8	23.8	35.8





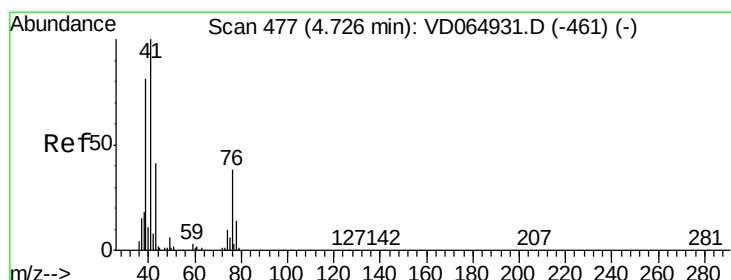
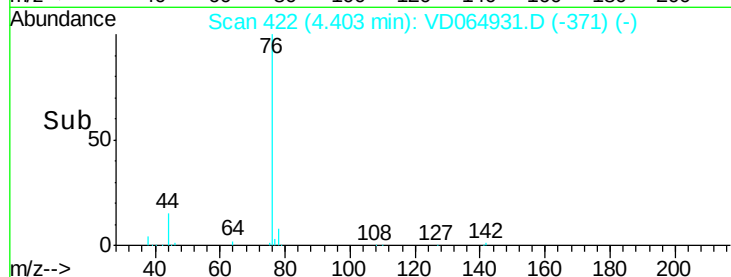
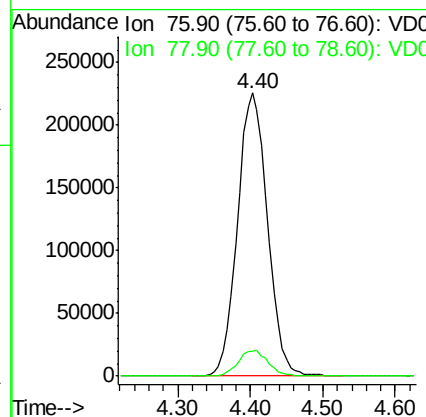
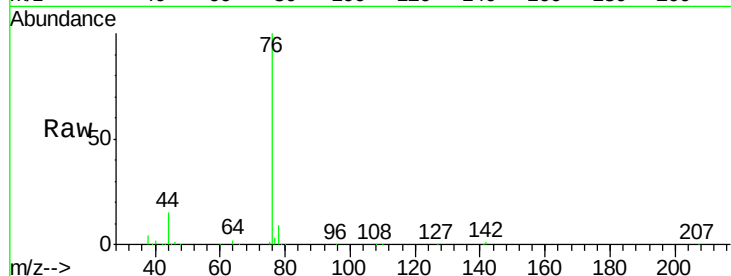
#17
Carbon Disulfide
Concen: 49.412 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.1	10.7

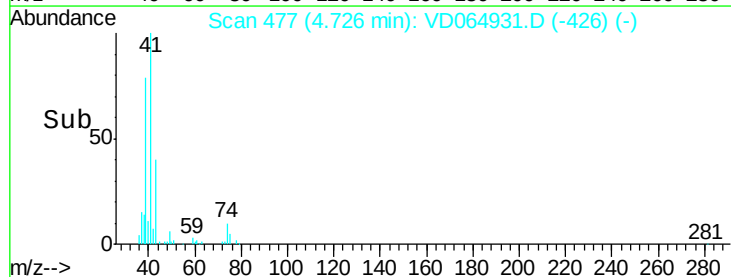
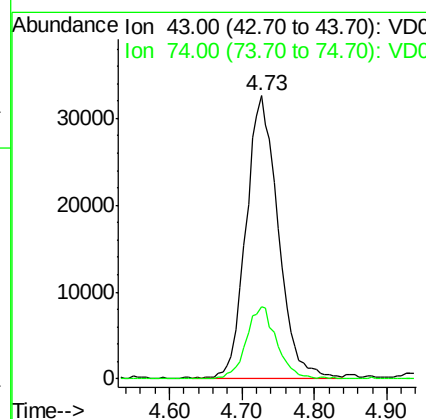
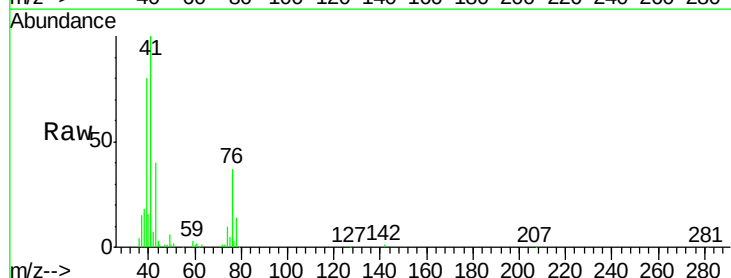
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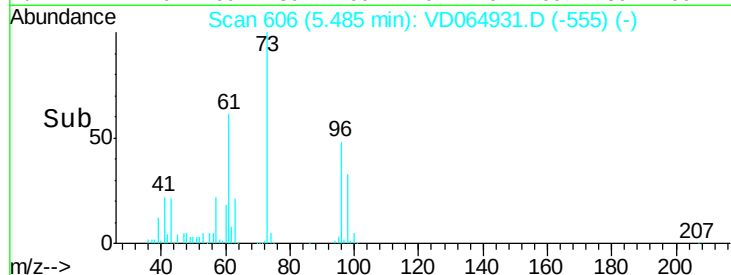
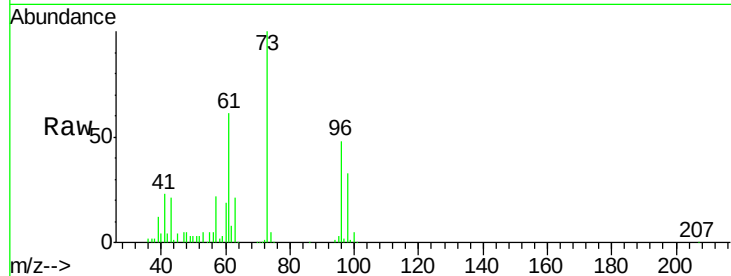
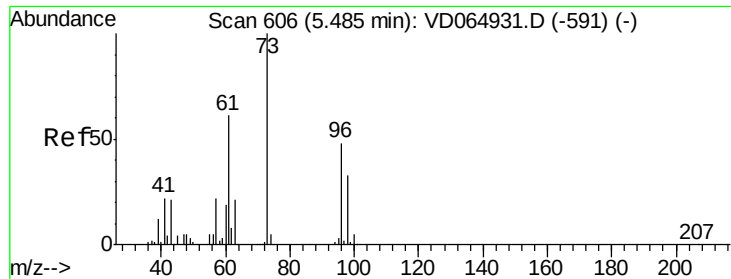
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#18
Methyl Acetate
Concen: 44.844 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.9	19.1	28.7





#19

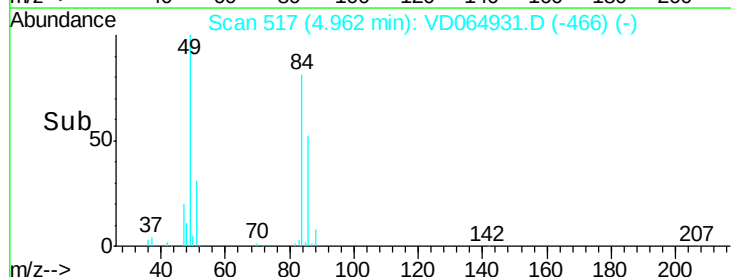
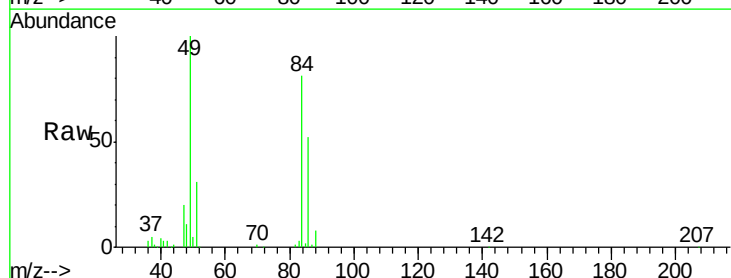
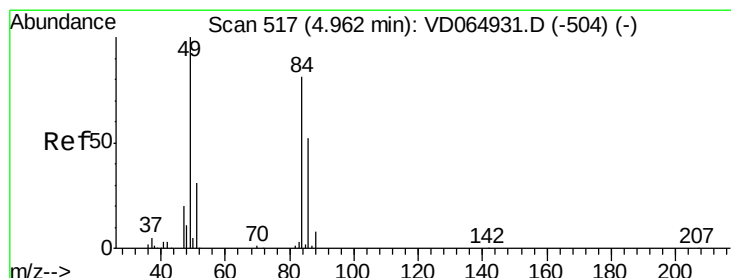
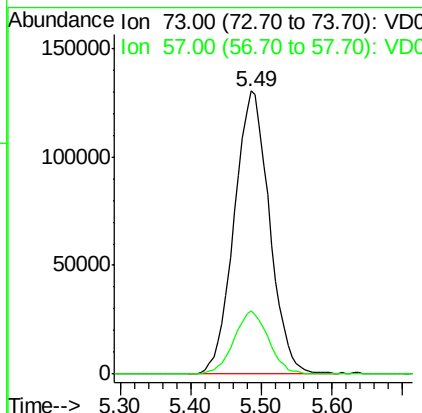
Methyl tert-butyl Ether
 Concen: 50.507 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tot Ion	73	Resp	453603
Ion Ratio	100	Lower	Upper
57	22.4	17.9	26.9

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

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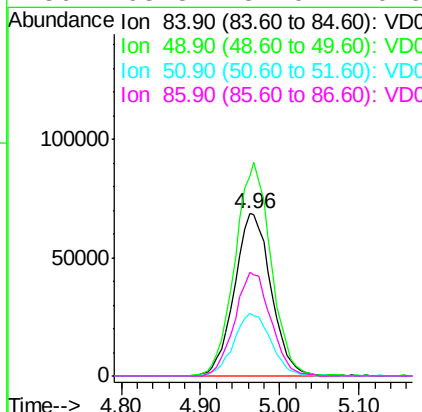
MMDadoda
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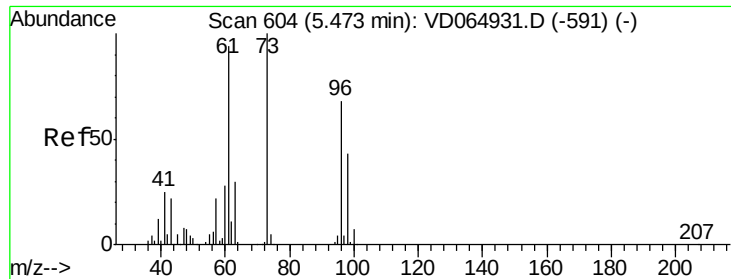


#20

Methylene Chloride
 Concen: 45.519 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	84	Resp	220352
Ion Ratio	100	Lower	Upper
49	123.0	98.4	147.6
51	38.5	30.8	46.2
86	63.8	51.0	76.6





#21

trans-1,2-Dichloroethene

Concen: 49.182 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

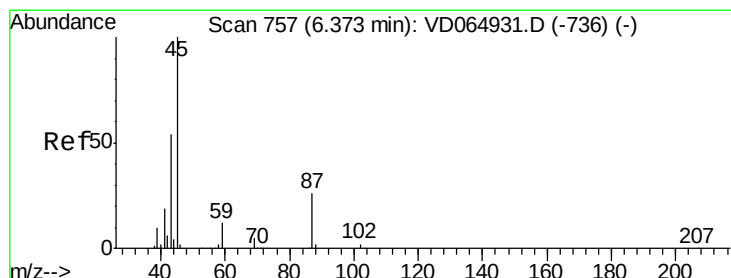
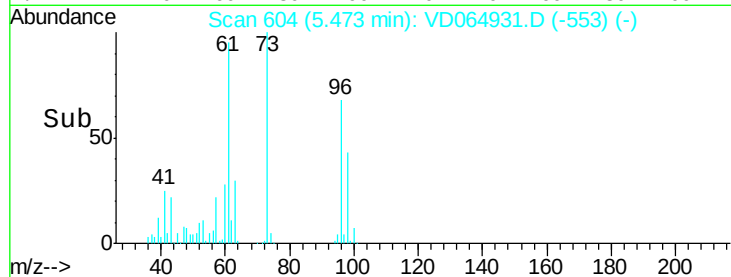
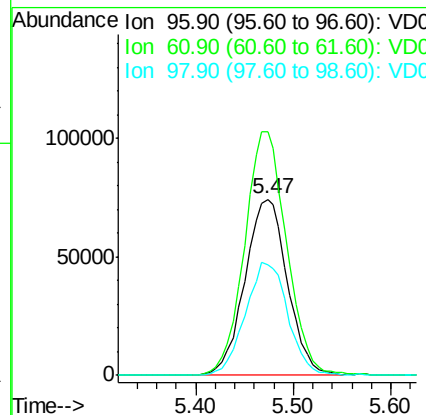
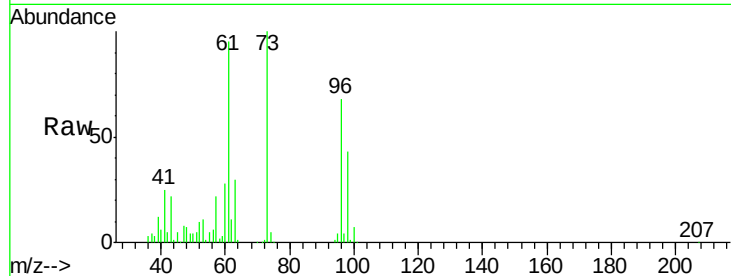
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	227014
Ion	Ratio	Lower	Upper
96	100		
61	138.0	110.4	165.6
98	63.1	50.5	75.7

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#22

Diisopropyl ether

Concen: 50.863 ug/l

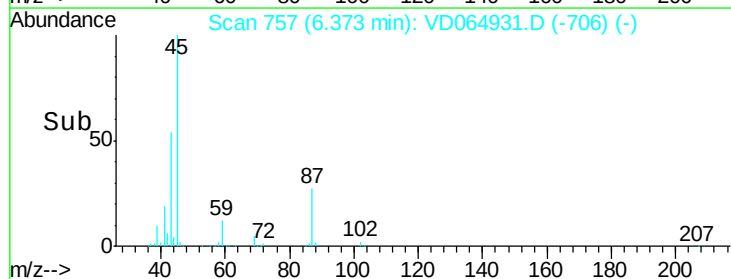
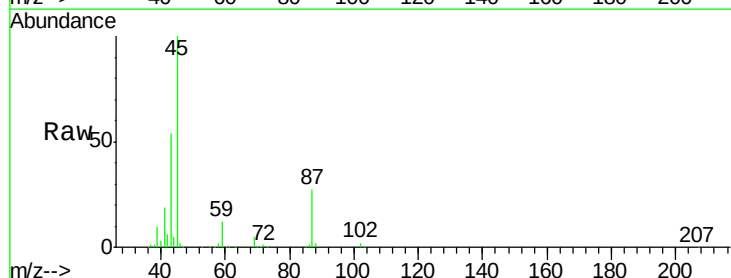
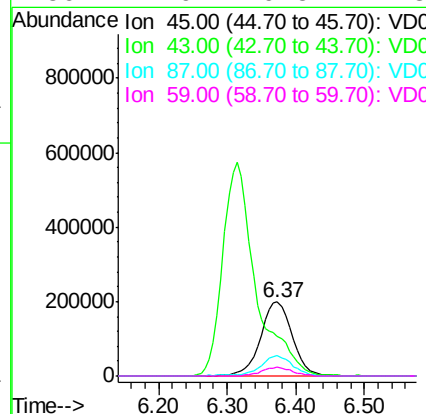
RT: 6.37 min Scan# 757

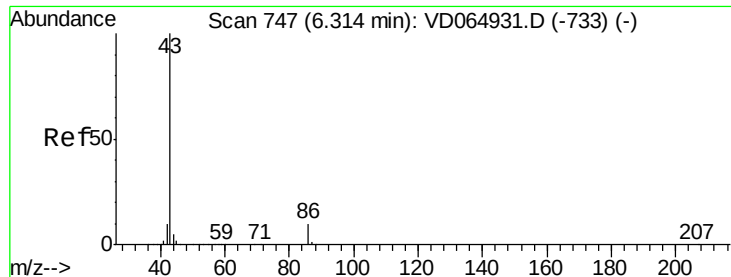
Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion:	45	Resp:	641780
Ion	Ratio	Lower	Upper
45	100		
43	53.9	43.1	64.7
87	26.8	21.4	32.2
59	11.9	9.5	14.3





#23

Vinyl Acetate

Concen: 268.345 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 1926203

Ion Ratio Lower Upper

43 100

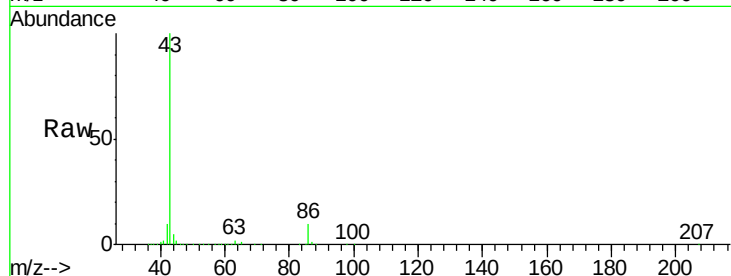
86 10.4 8.3 12.5

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

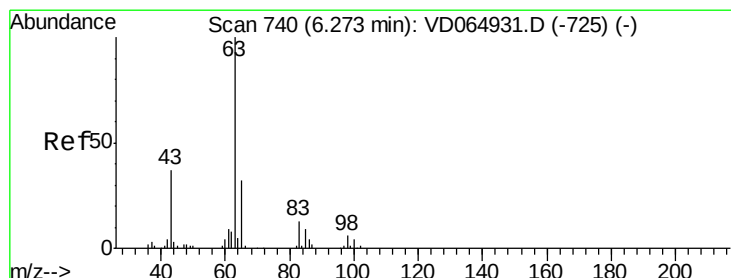
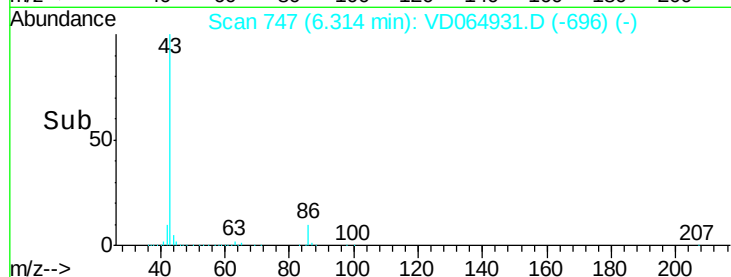
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.590 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

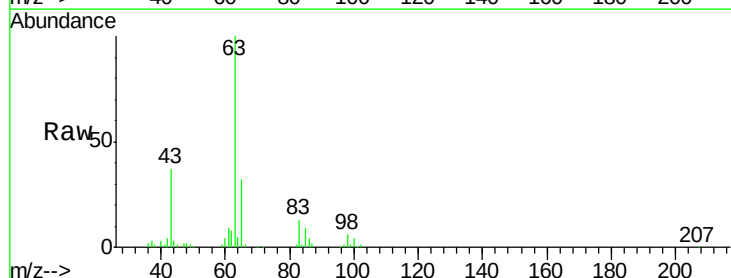
Tgt Ion: 63 Resp: 383742

Ion Ratio Lower Upper

63 100

98 6.2 3.1 9.3

100 4.5 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

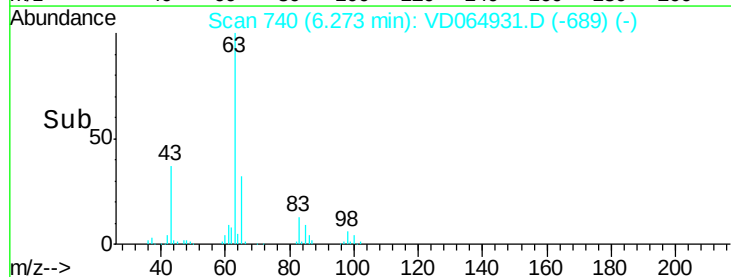
150000

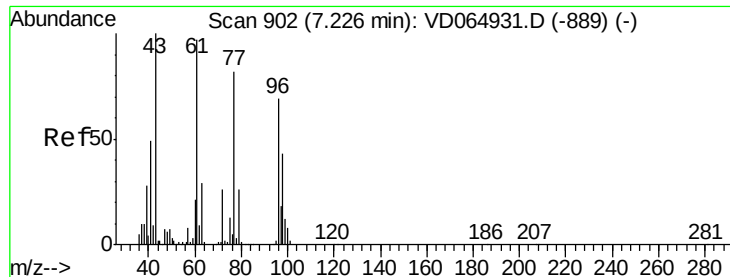
100000

50000

0

Time-->





#25

2-Butanone

Concen: 272.612 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 308397

Ion Ratio Lower Upper

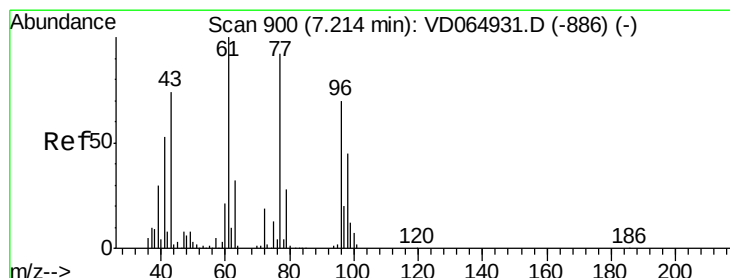
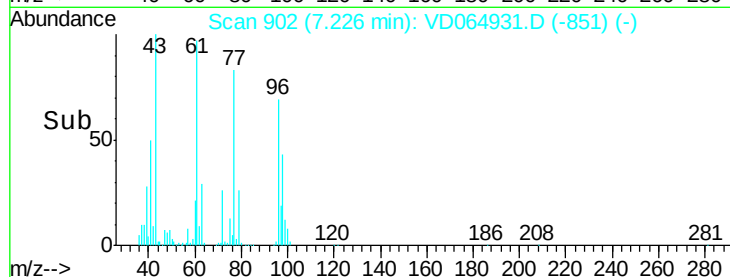
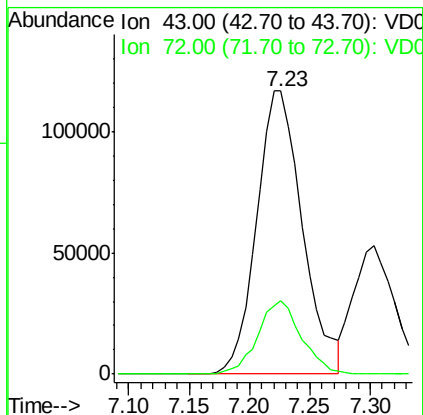
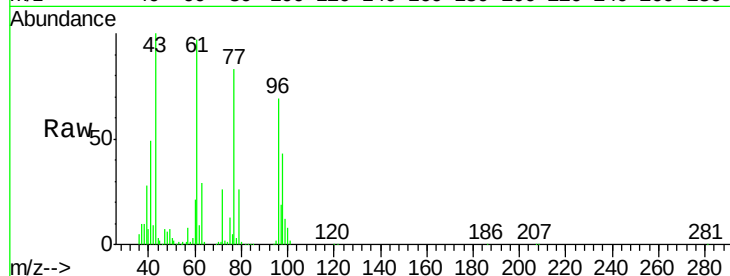
43 100

72 25.8 20.6 31.0

Manual Integrations
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#26

2,2-Dichloropropane

Concen: 49.209 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064931.D

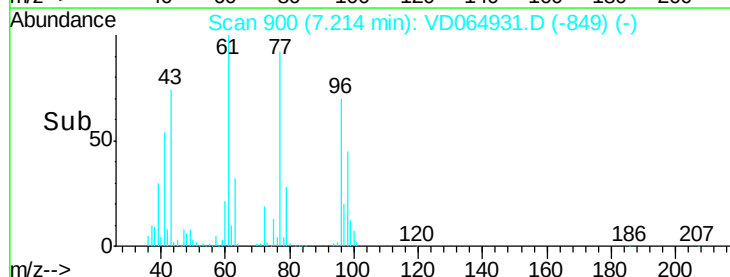
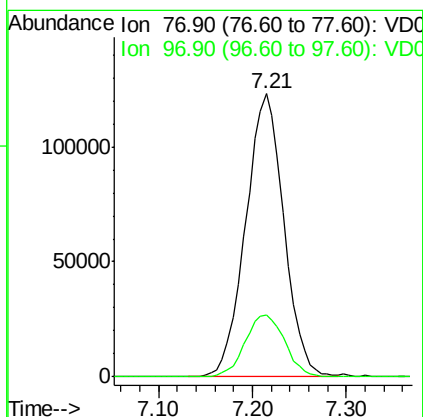
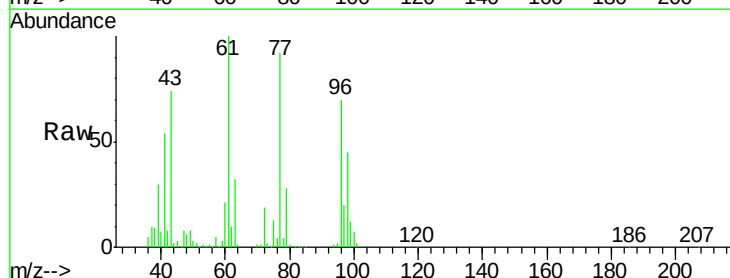
Acq: 23 Jan 2020 12:21

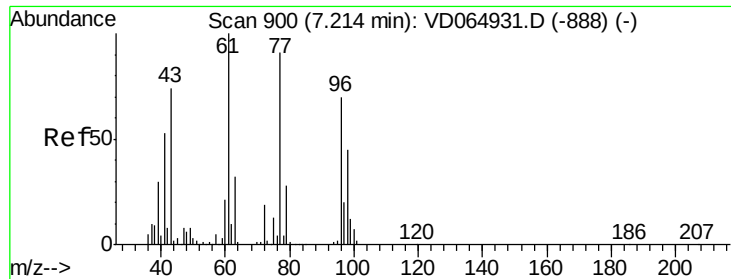
Tgt Ion: 77 Resp: 345774

Ion Ratio Lower Upper

77 100

97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 48.731 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

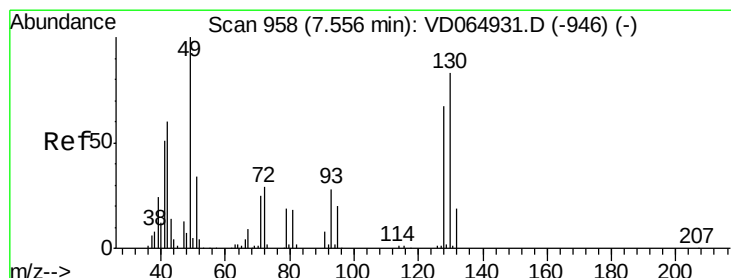
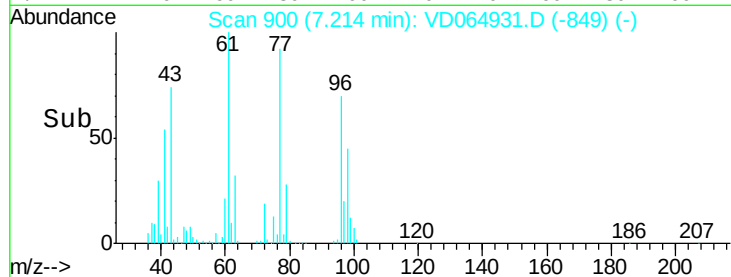
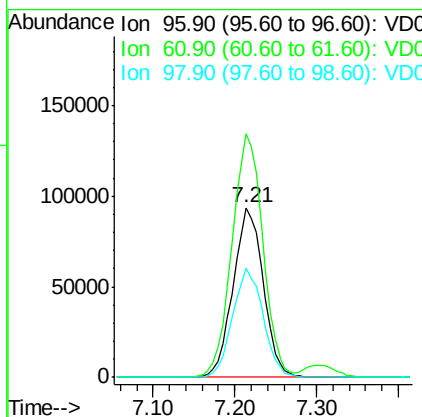
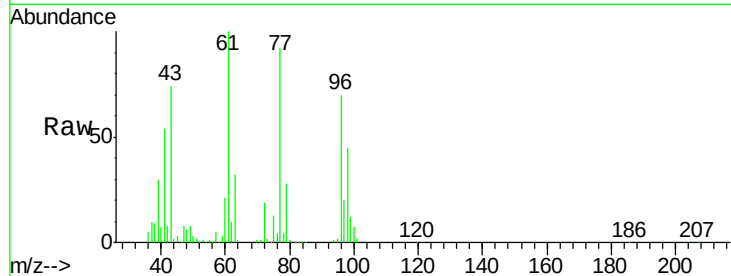
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	241332
Ion Ratio	Lower	Upper	
96	100		
61	146.4	0.0	292.8
98	65.0	0.0	130.0

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#28

Bromochloromethane

Concen: 58.270 ug/l

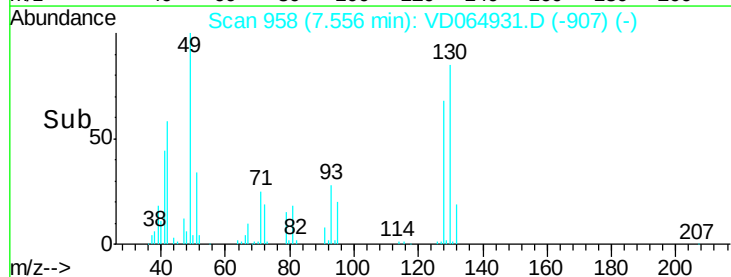
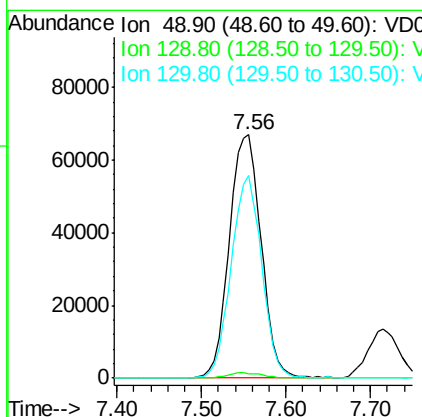
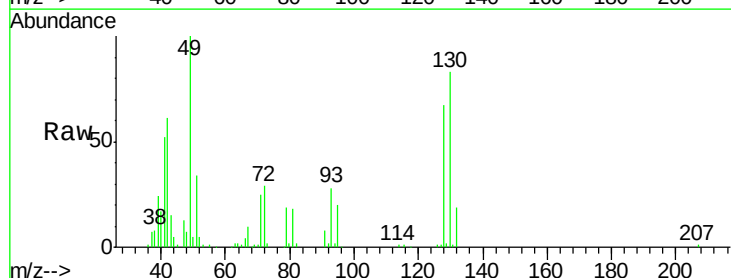
RT: 7.56 min Scan# 958

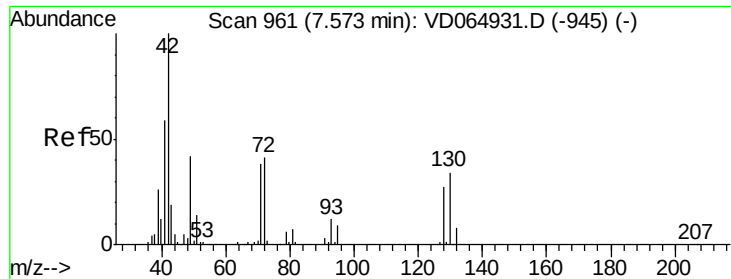
Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion:	49	Resp:	174535
Ion Ratio	Lower	Upper	
49	100		
129	2.2	0.0	4.4
130	79.8	63.8	95.8





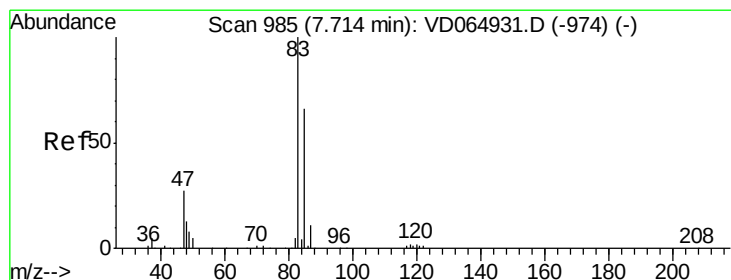
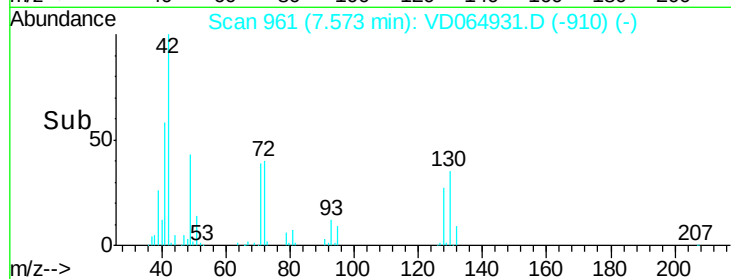
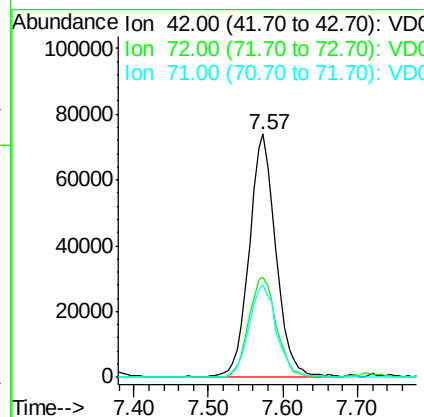
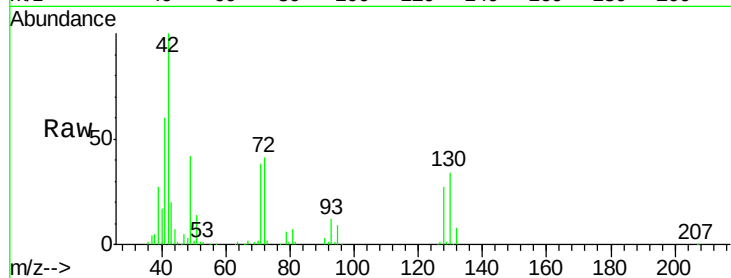
#29
Tetrahydrofuran
Concen: 264.091 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	34.0	51.0
71	39.4	31.5	47.3

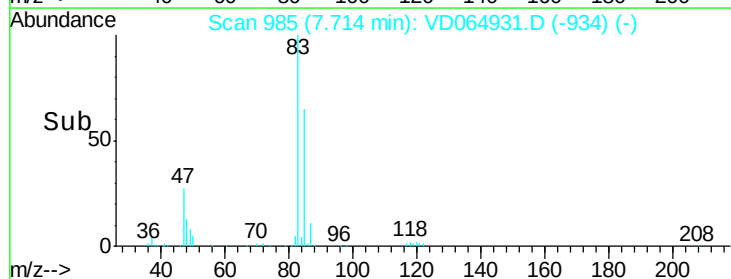
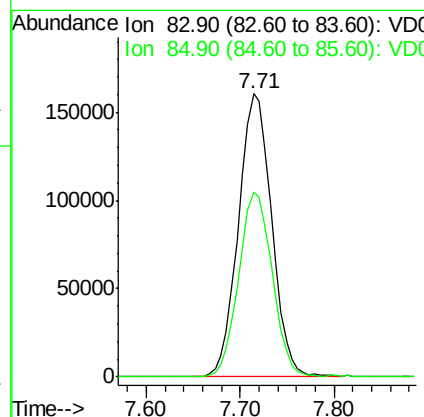
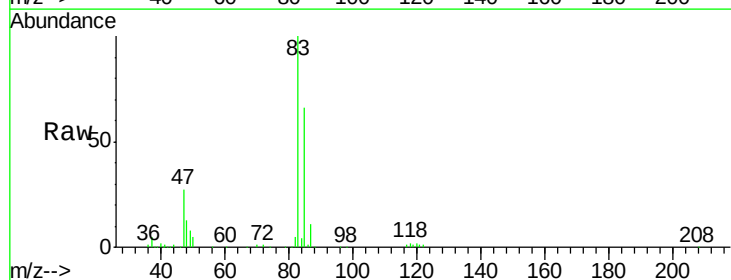
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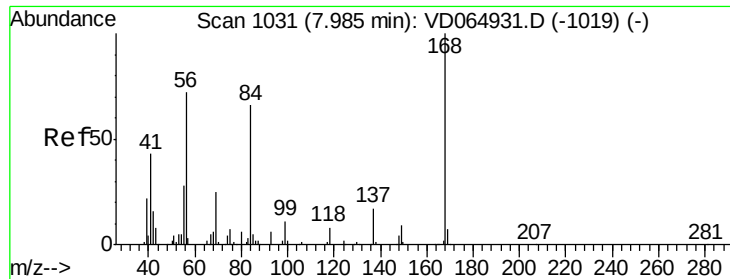
MMDadoda
1/24/2020 4:01:57 PM



#30
Chloroform
Concen: 49.662 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6





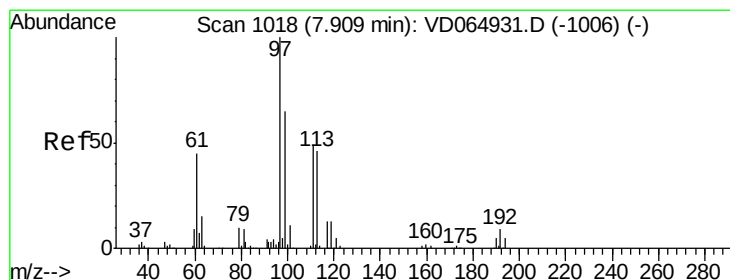
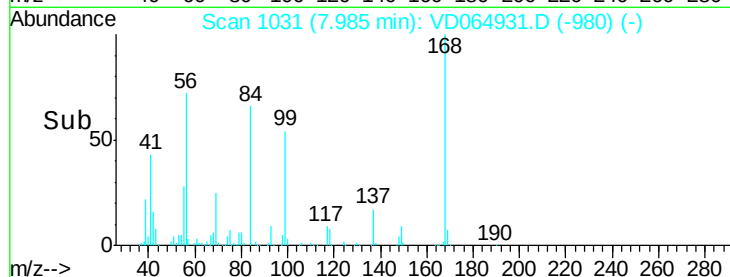
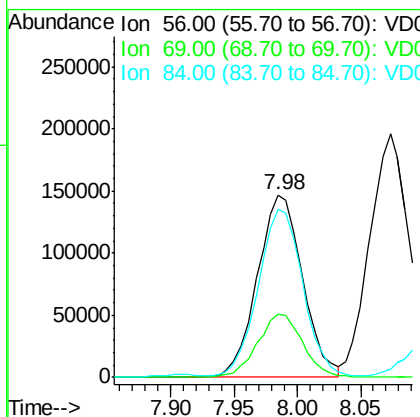
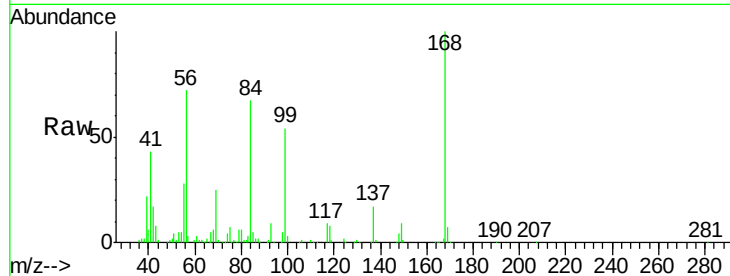
#31
Cyclohexane
Concen: 48.031 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.9	27.9	41.9
84	91.0	72.8	109.2

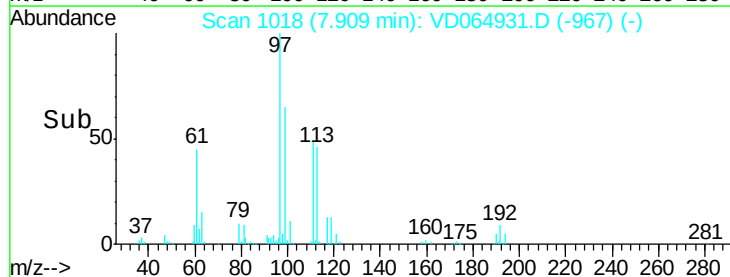
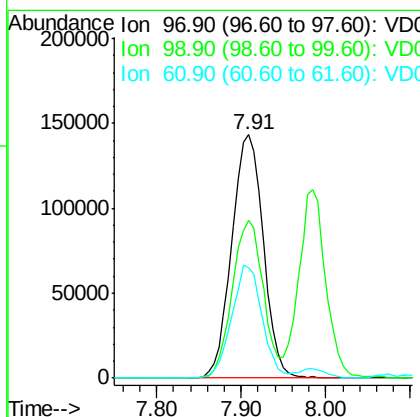
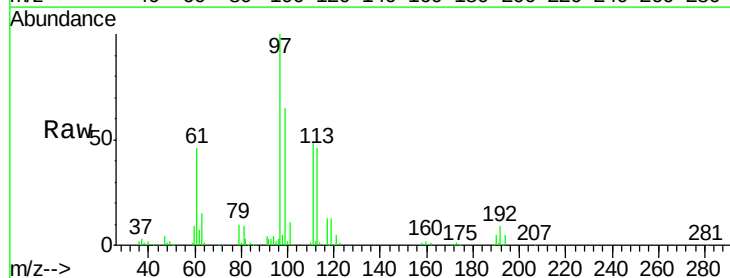
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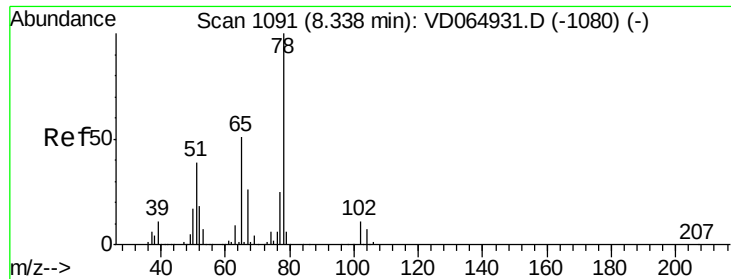
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#32
1,1,1-Trichloroethane
Concen: 49.583 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	50.6	76.0
61	44.6	35.7	53.5





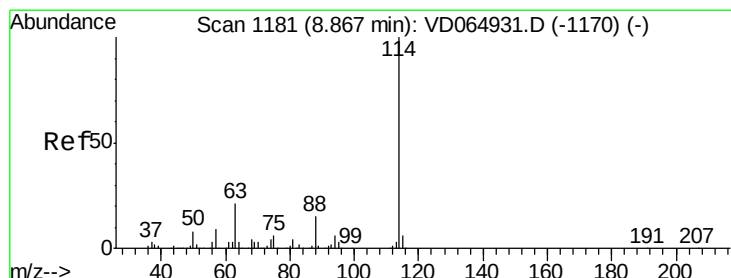
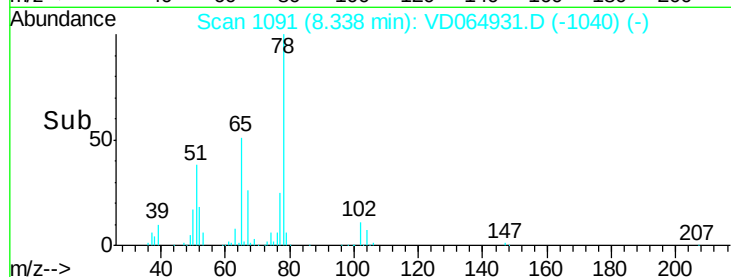
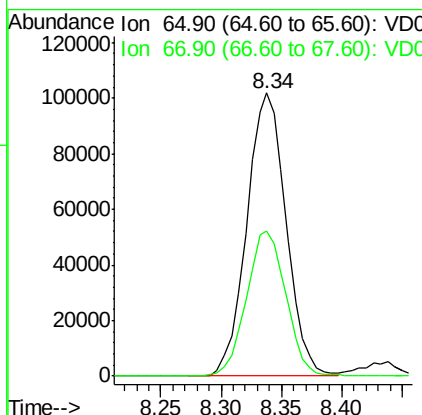
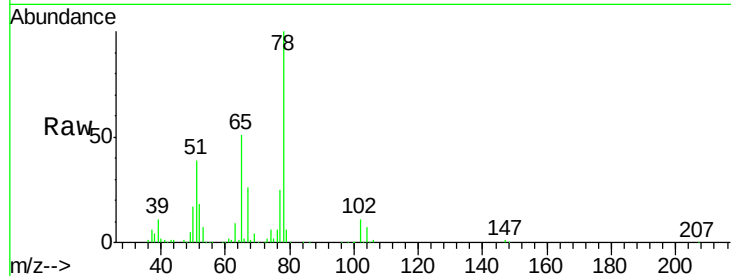
#33
 1,2-Dichloroethane-d4
 Concen: 55.368 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	229543		
67	51.8	0.0	103.6	

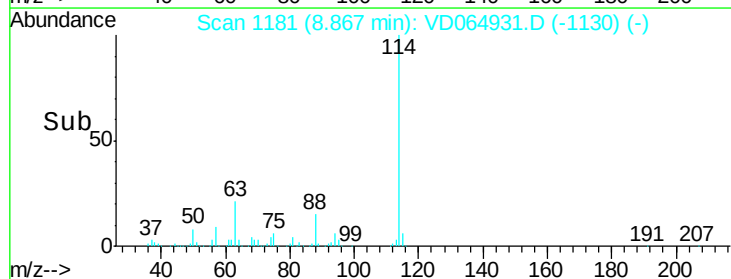
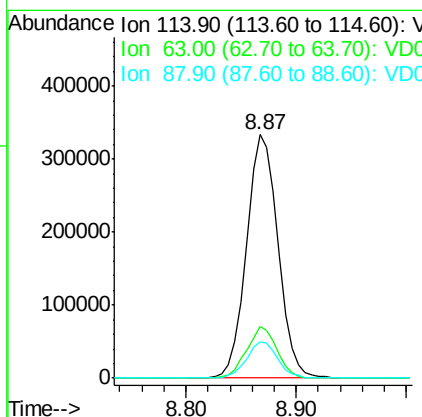
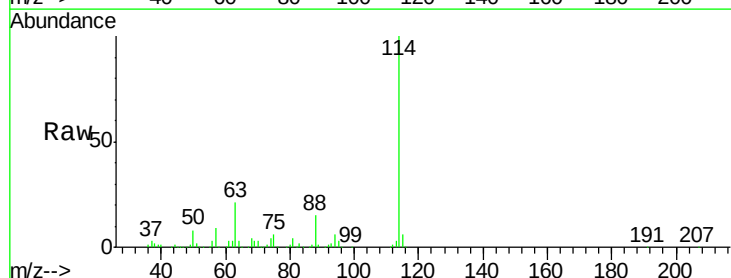
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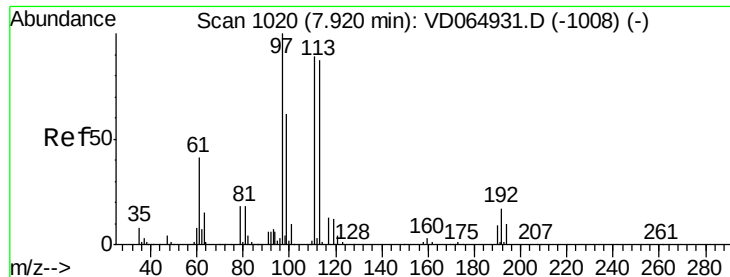
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	669361		
63	21.0	0.0	42.0	
88	14.7	0.0	29.4	





#35

Dibromofluoromethane

Concen: 53.675 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

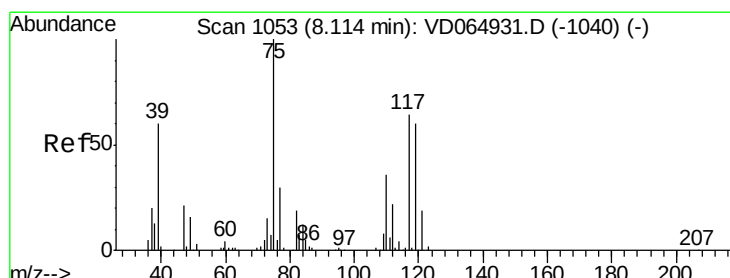
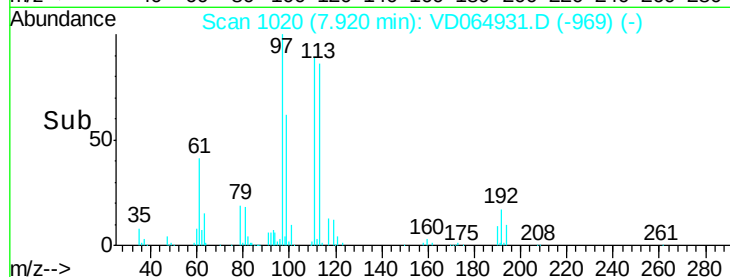
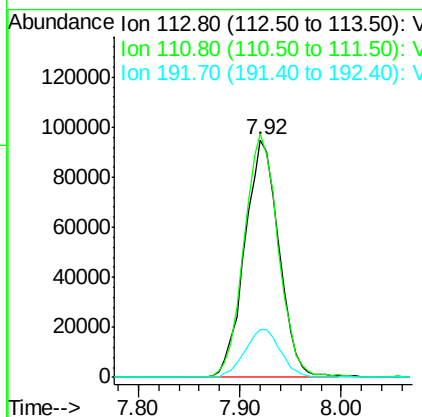
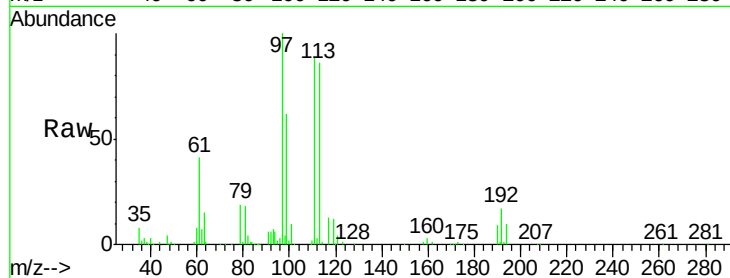
ClientSampleId :

VSTDICCC050

Tot Ion:	113	Resp:	221953
Ion Ratio	Lower	Upper	
113	100		
111	103.0	82.4	123.6
192	21.1	16.9	25.3

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 50.287 ug/l

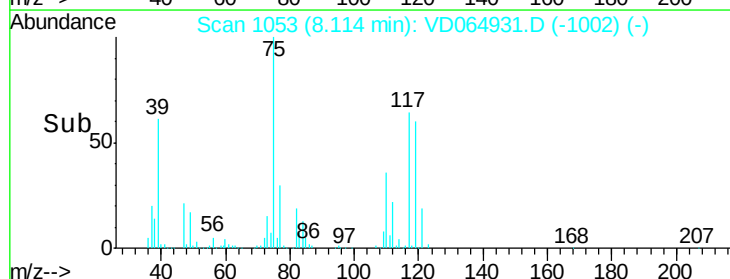
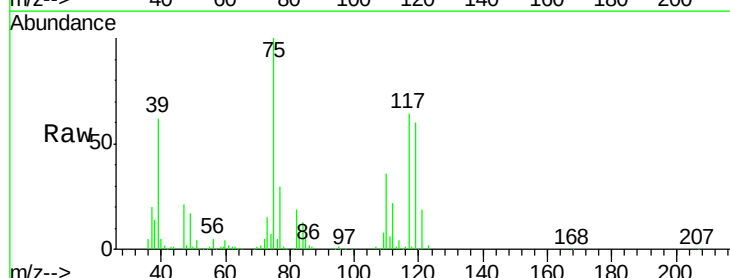
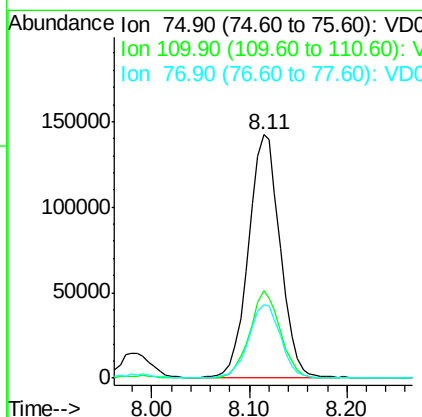
RT: 8.11 min Scan# 1053

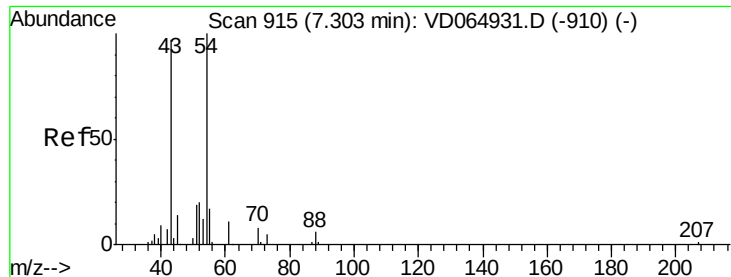
Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion:	75	Resp:	324048
Ion Ratio	Lower	Upper	
75	100		
110	34.7	17.3	52.0
77	30.9	24.7	37.1





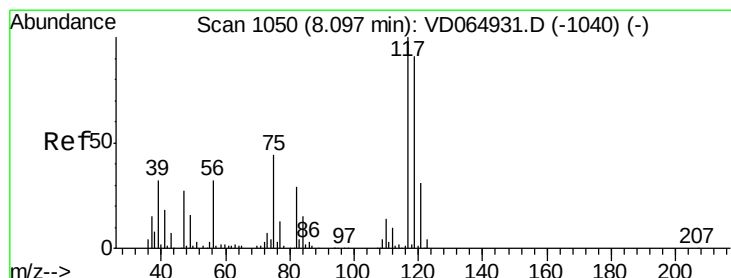
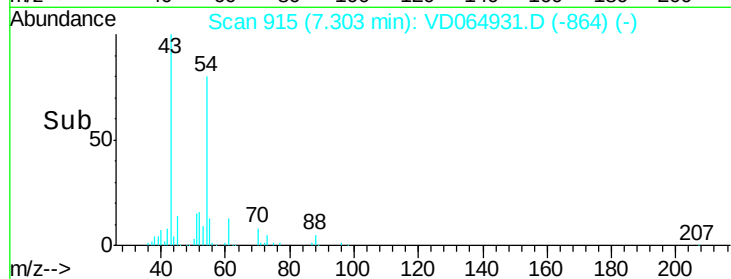
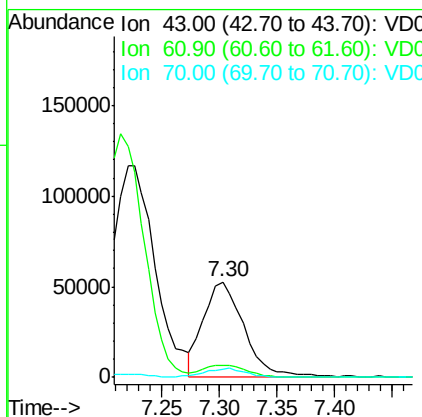
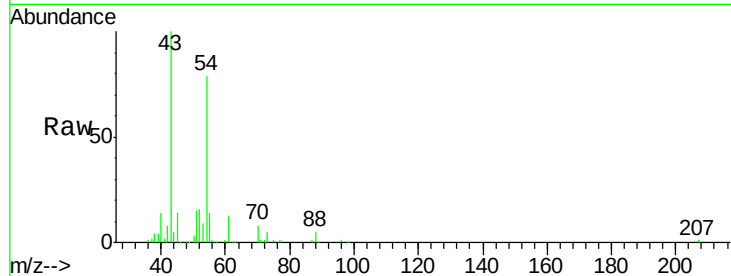
#37
Ethyl Acetate
Concen: 50.686 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	9.4	7.5	11.3

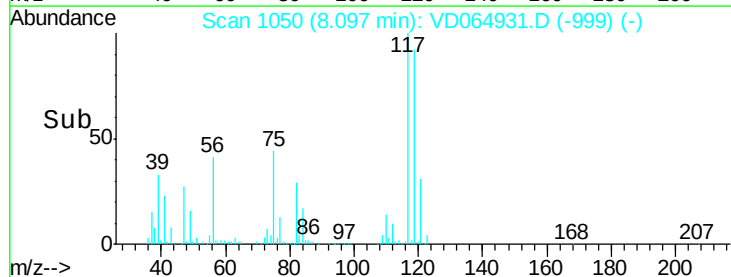
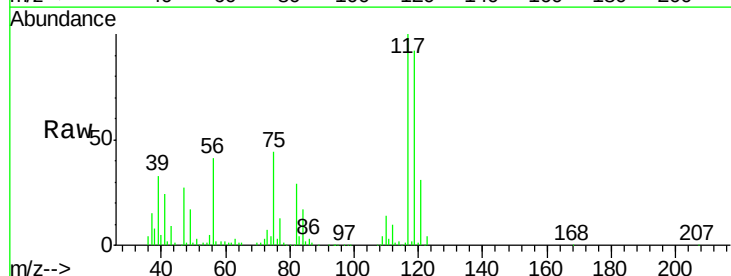
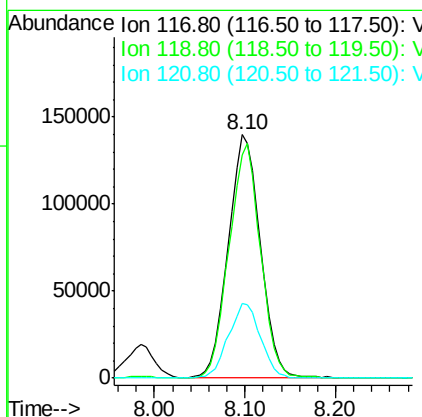
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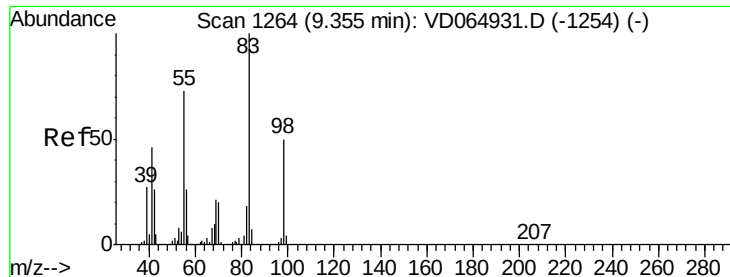
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#38
Carbon Tetrachloride
Concen: 50.409 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.5	73.2	109.8
121	30.5	24.4	36.6





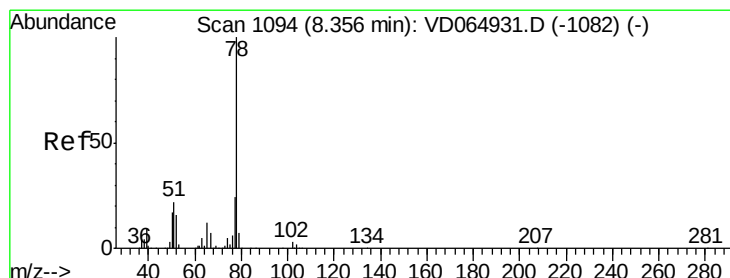
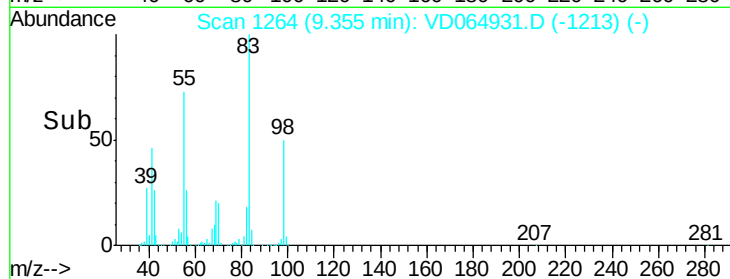
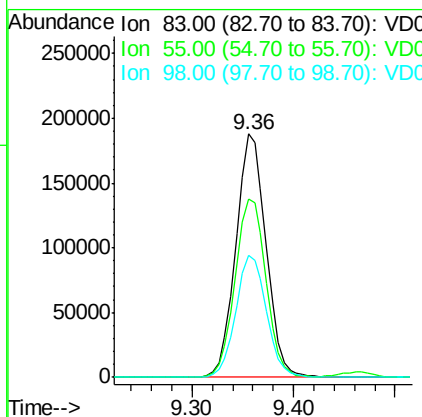
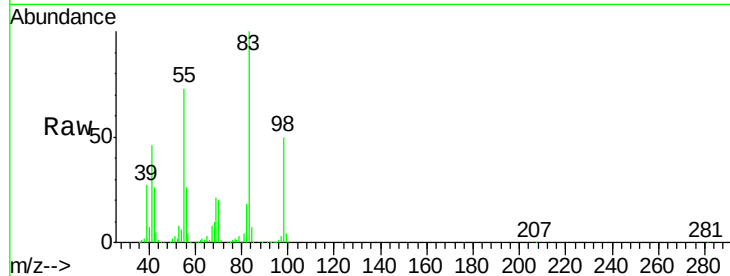
#39
Methylvlcyclohexane
Concen: 50.053 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	58.7	88.1
98	50.2	40.2	60.2

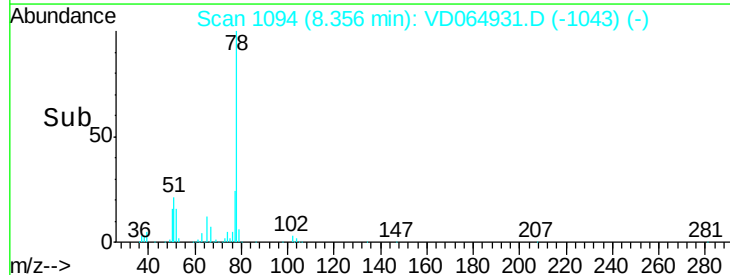
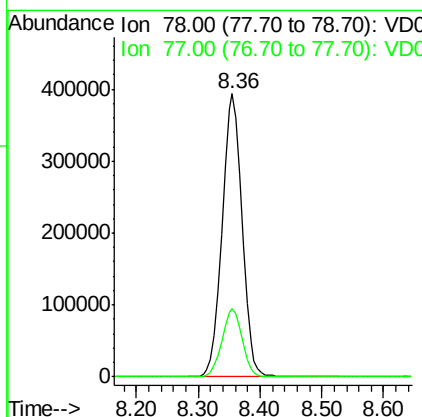
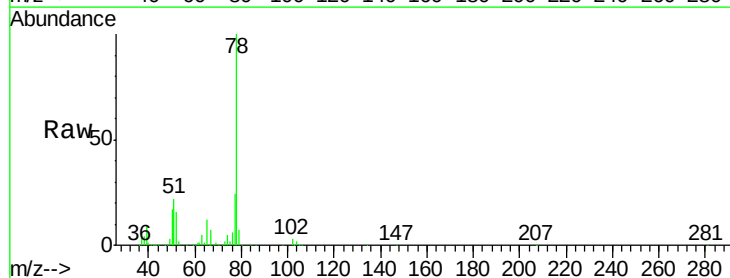
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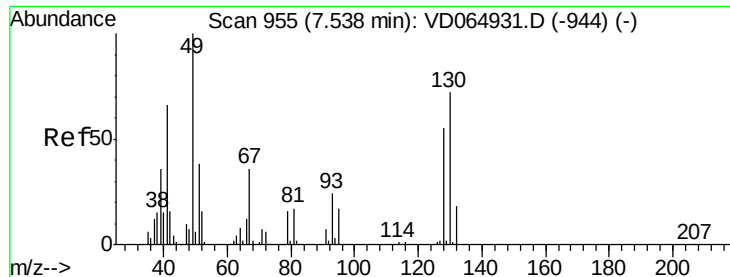
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#40
Benzene
Concen: 50.379 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.2	28.8





#41

Methacrylonitrile

Concen: 55.981 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 41 Resp: 82460

Ion Ratio Lower Upper

41 100

39 61.6 49.3 73.9

67 63.8 51.0 76.6

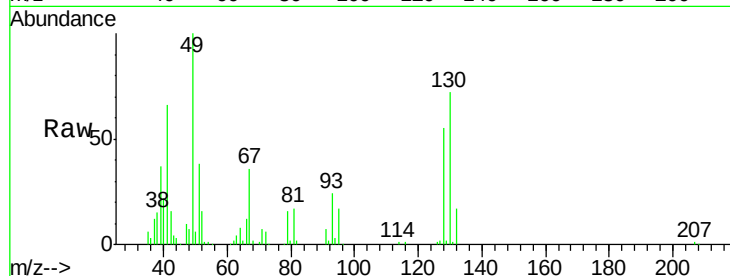
52 27.9 22.3 33.5

Manual Integrations

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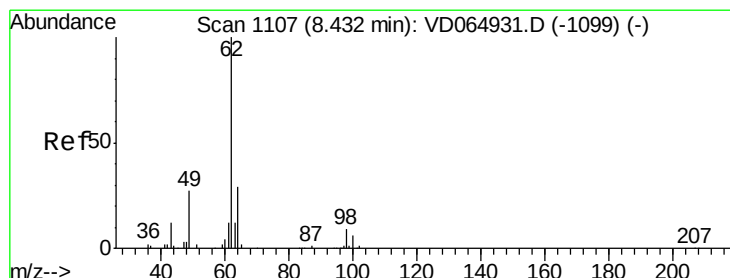
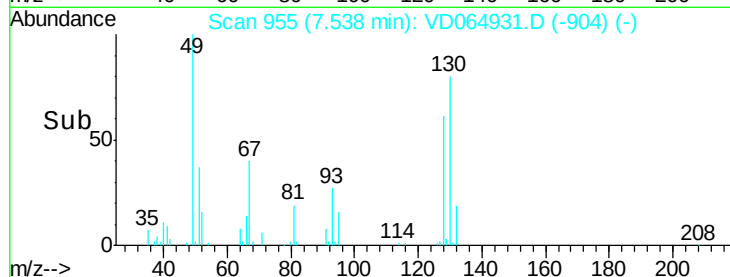
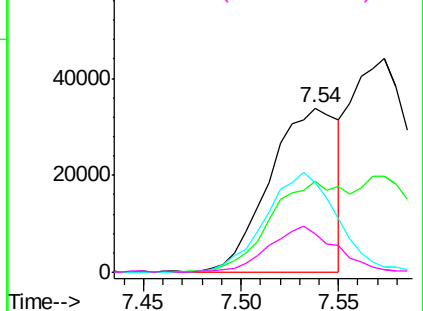


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.645 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD064931.D

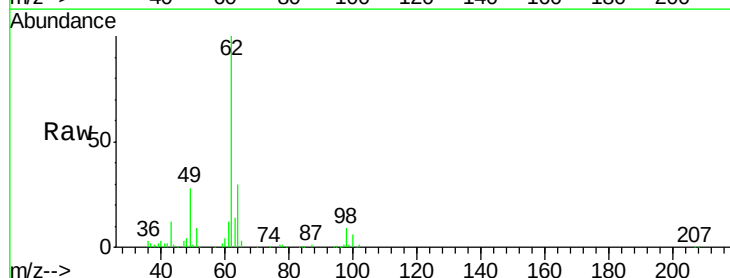
Acq: 23 Jan 2020 12:21

Tgt Ion: 62 Resp: 263803

Ion Ratio Lower Upper

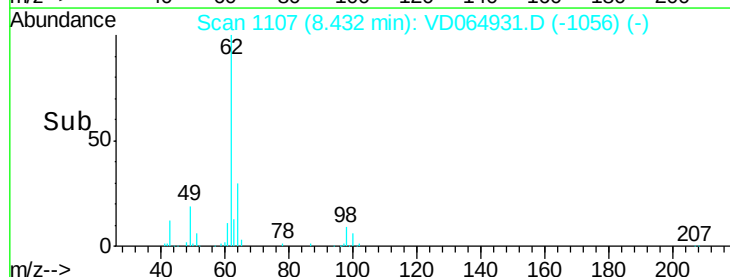
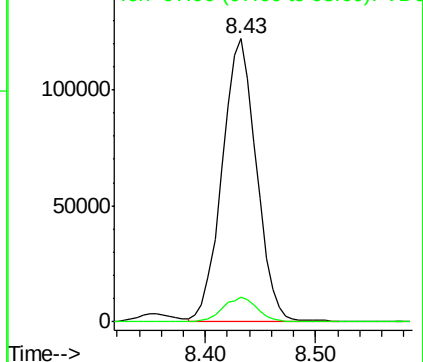
62 100

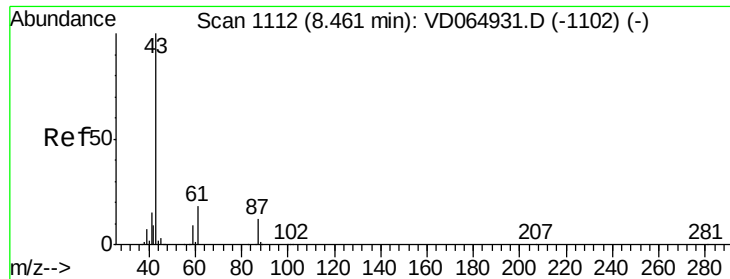
98 8.9 0.0 17.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 50.203 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

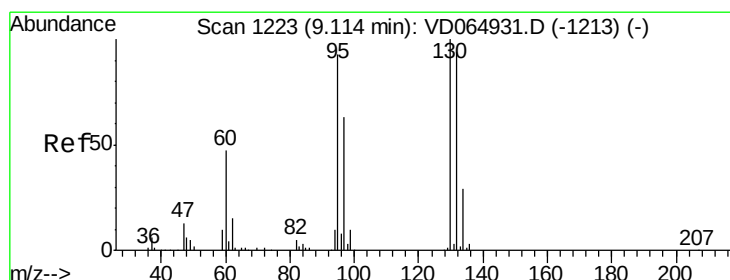
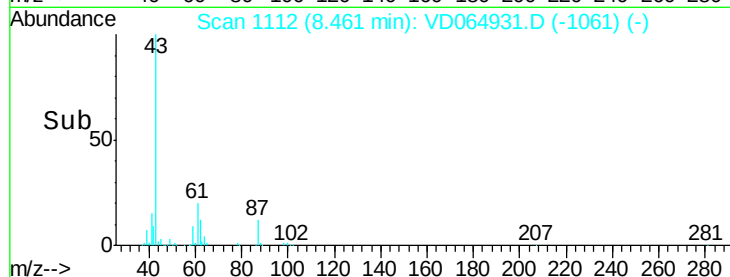
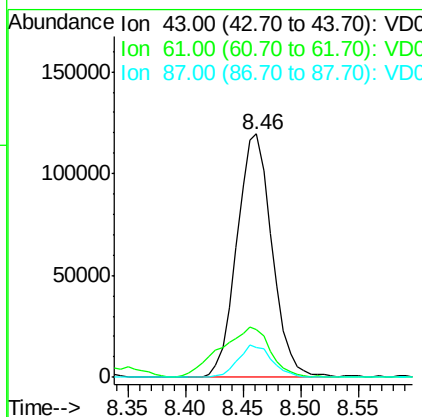
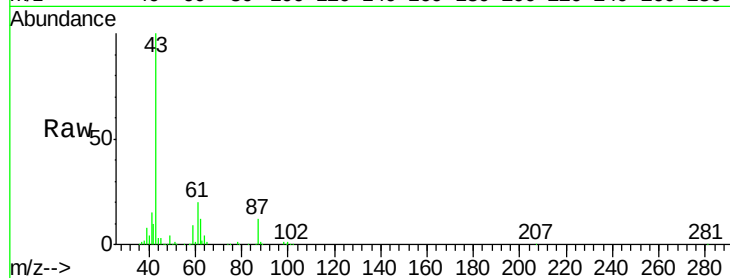
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	251438
Ion	Ratio	Lower	Upper
43	100		
61	29.7	23.8	35.6
87	12.9	10.3	15.5

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#44

Trichloroethene

Concen: 47.756 ug/l

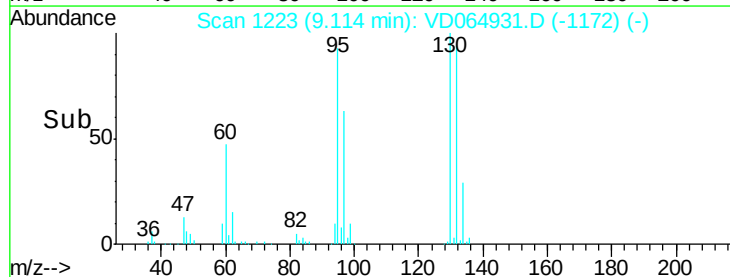
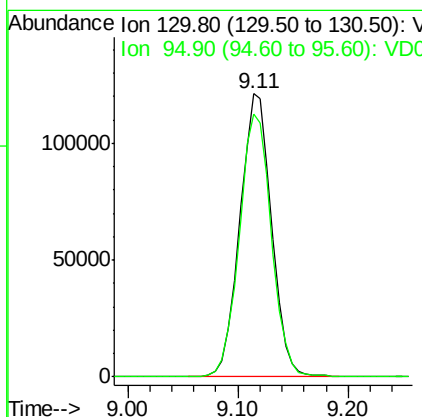
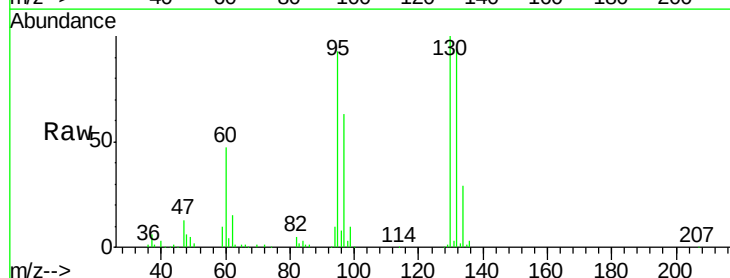
RT: 9.11 min Scan# 1223

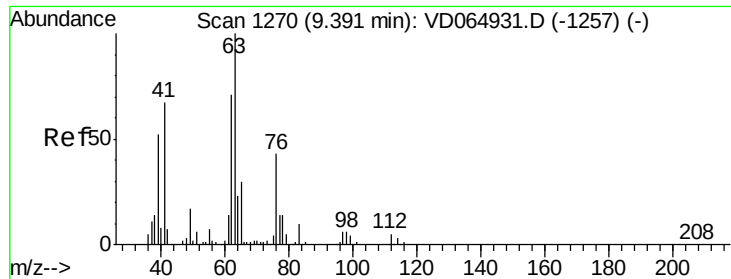
Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion:	130	Resp:	244445
Ion	Ratio	Lower	Upper
130	100		
95	92.9	0.0	185.8





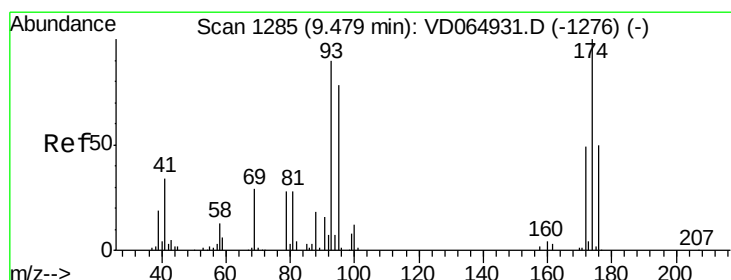
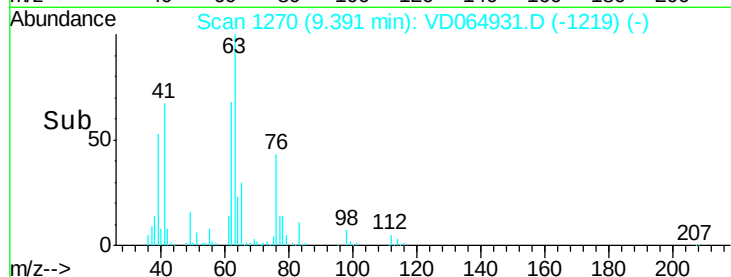
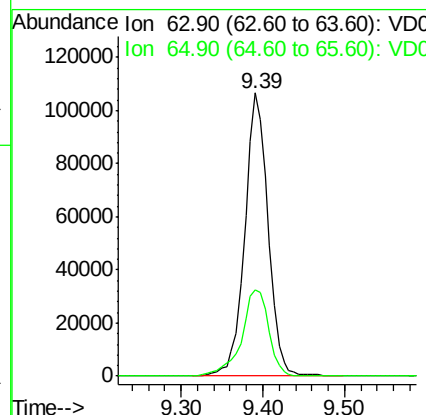
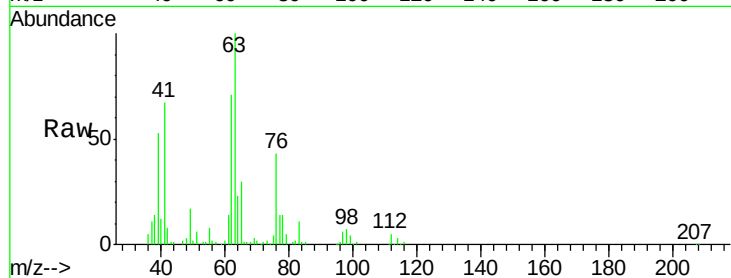
#45
 1,2-Dichloropropane
 Concen: 50.245 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.3	36.5

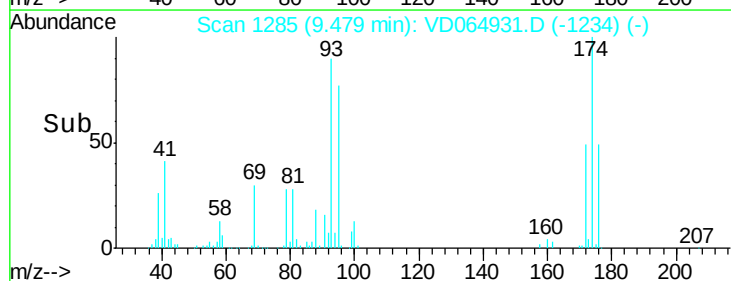
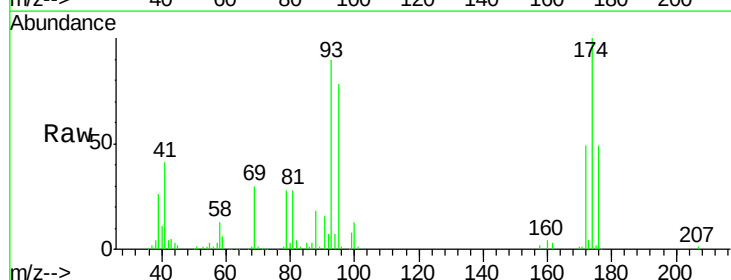
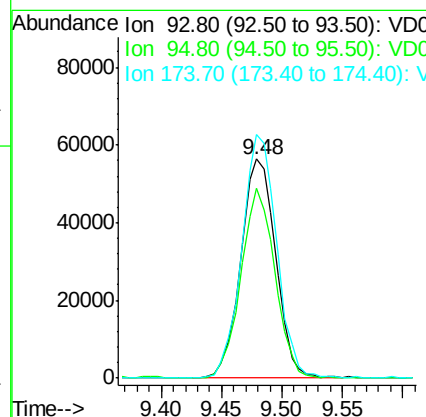
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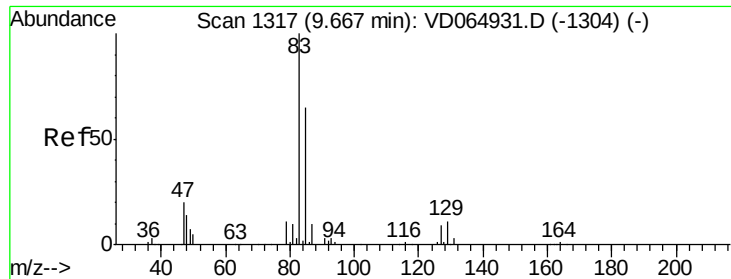
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 1/24/2020 4:01:57 PM



#46
 Dibromomethane
 Concen: 49.227 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.4	67.5	101.3
174	110.5	88.4	132.6





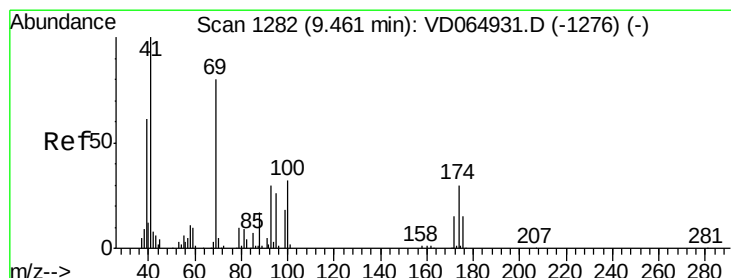
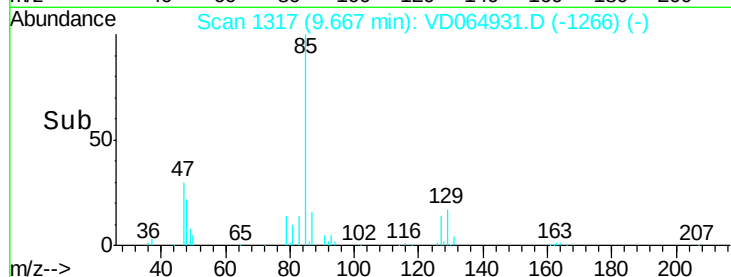
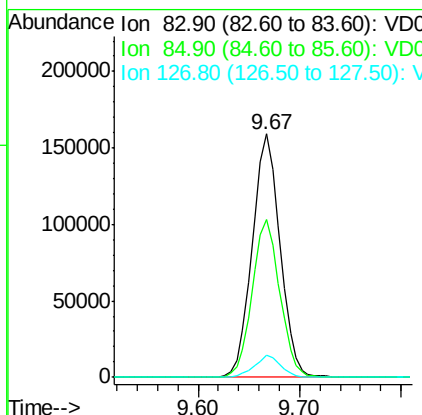
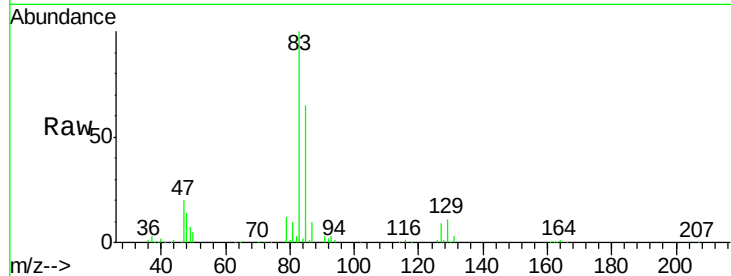
#47
Bromodichloromethane
Concen: 48.991 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	83	Resp	303044
Ion Ratio	100	Lower	Upper
83	100		
85	65.0	52.0	78.0
127	9.1	7.3	10.9

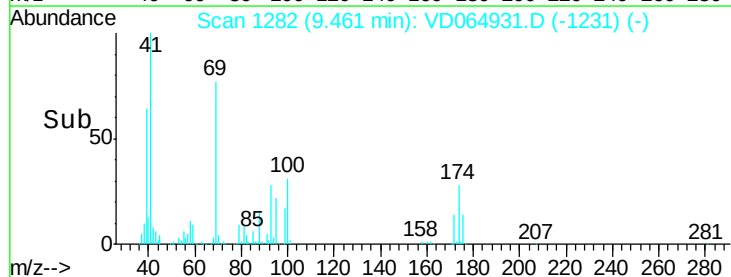
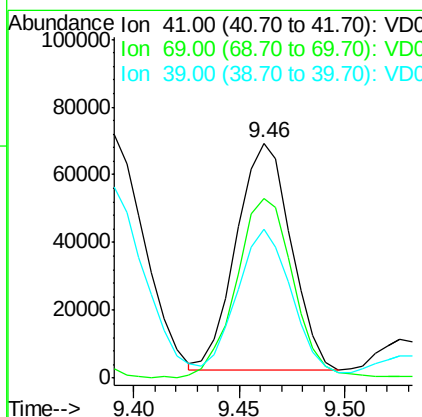
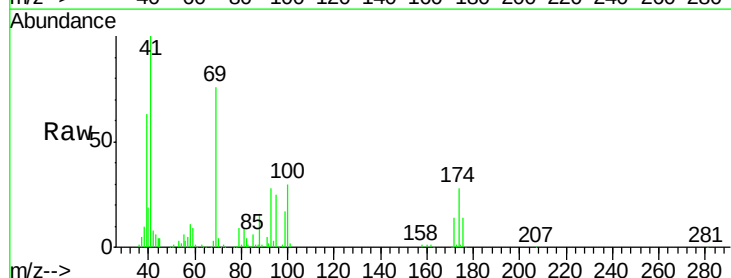
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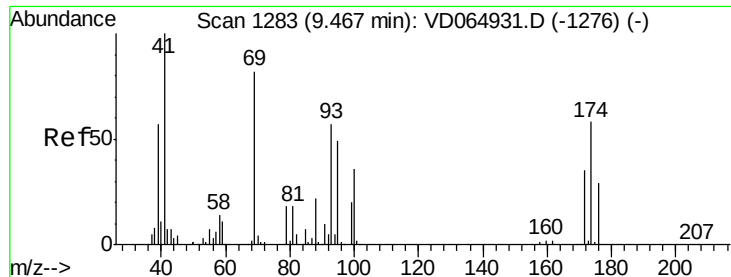
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#48
Methyl methacrylate
Concen: 51.075 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	41	Resp	119703
Ion Ratio	100	Lower	Upper
41	100		
69	82.3	65.8	98.8
39	61.7	49.4	74.0





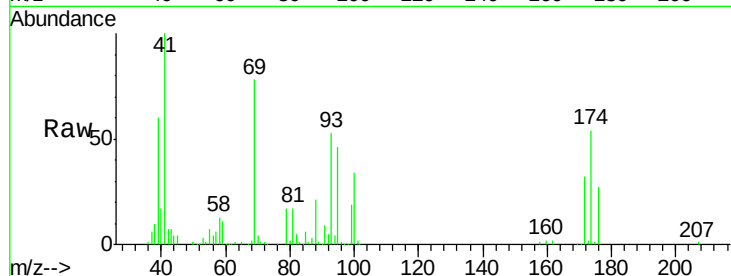
#49
1,4-Dioxane
Concen: 1035.030 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

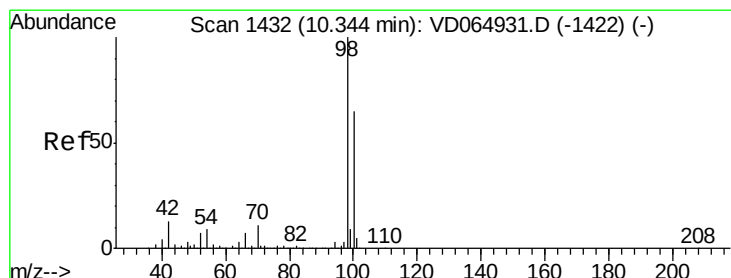
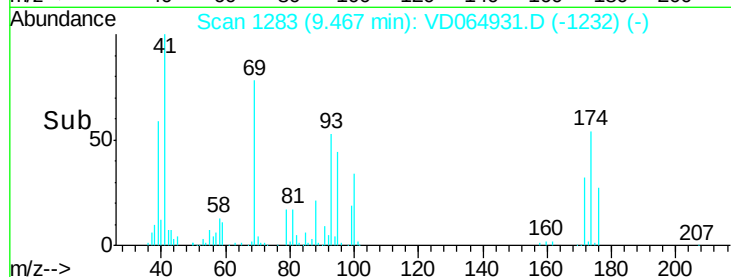
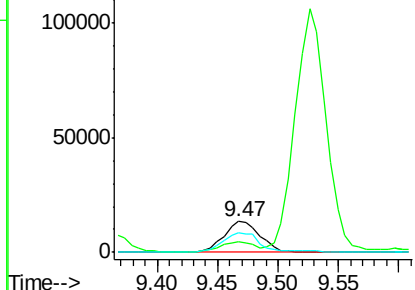
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.8	26.2	39.4
58	62.9	50.3	75.5

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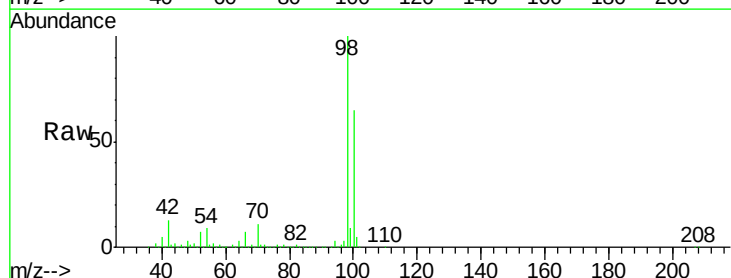


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

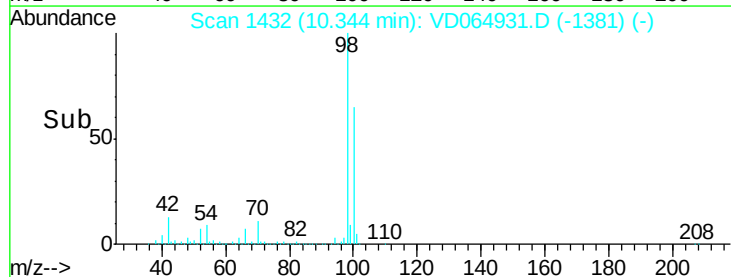
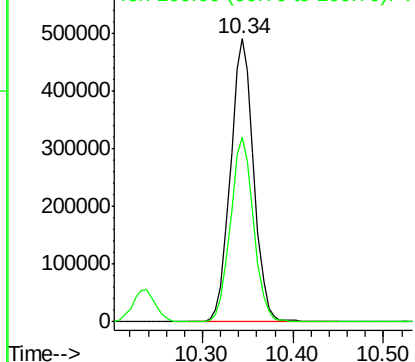


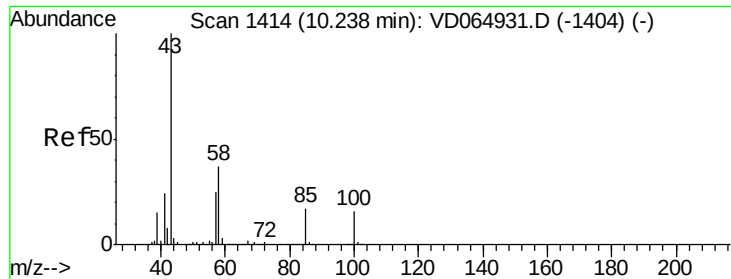
#50
Toluene-d8
Concen: 54.809 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.3	78.5



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





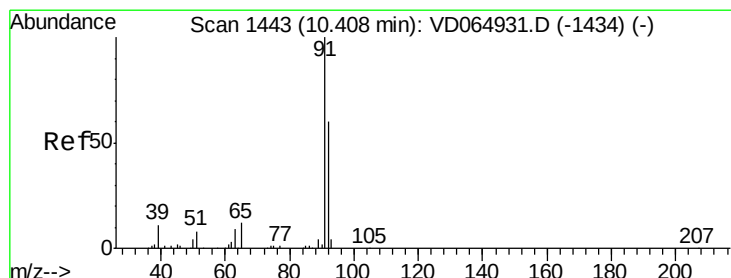
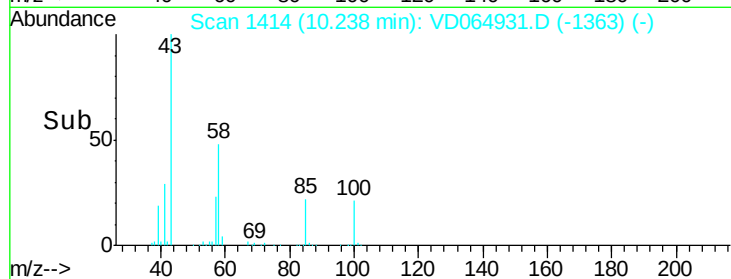
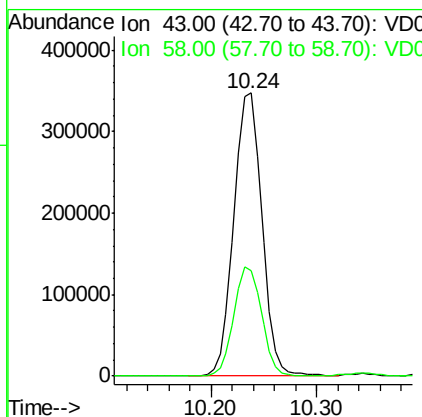
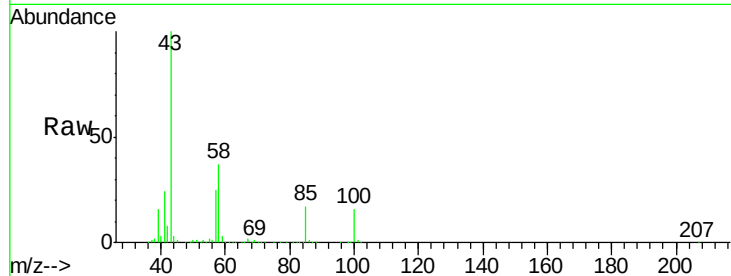
#51
4-Methyl-2-Pentanone
Concen: 258.346 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 644037
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6

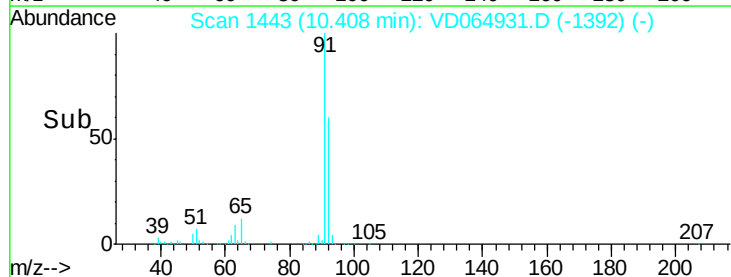
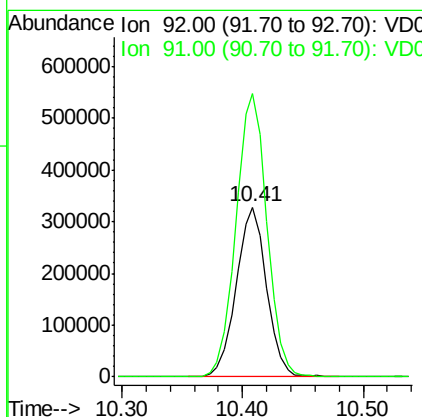
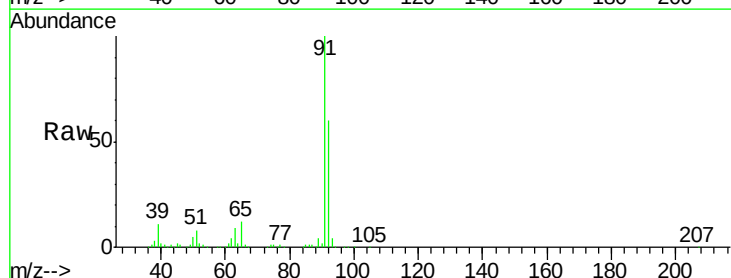
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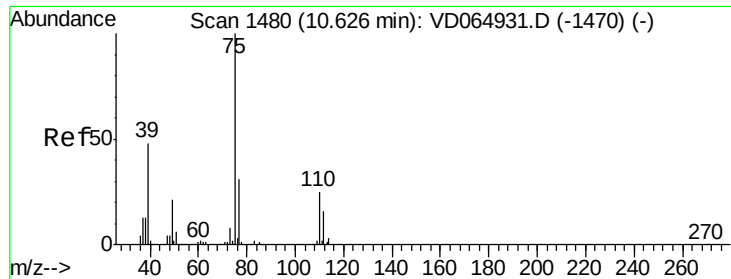
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#52
Toluene
Concen: 49.797 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 92 Resp: 572763
Ion Ratio Lower Upper
92 100
91 171.0 136.8 205.2





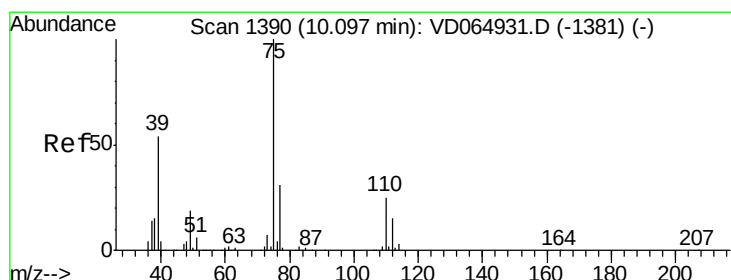
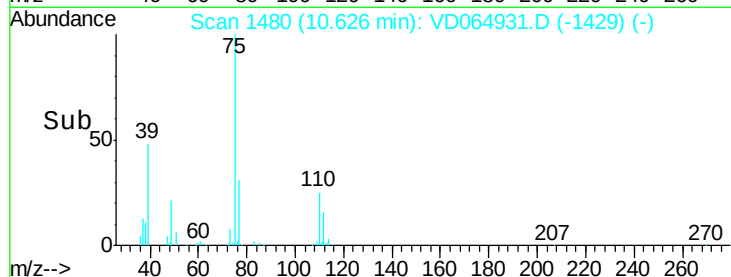
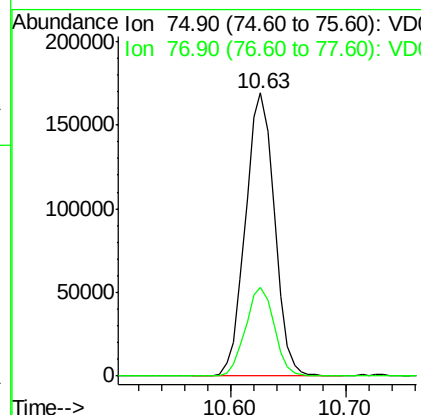
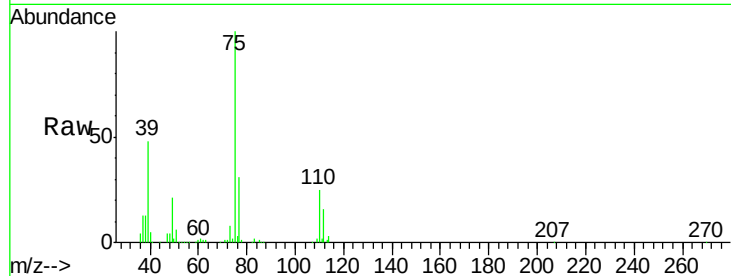
#53
t-1,3-Dichloropropene
Concen: 51.106 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	75	Resp	296392
Ion Ratio	Lower	Upper	
75	100		
77	31.3	25.0	37.6

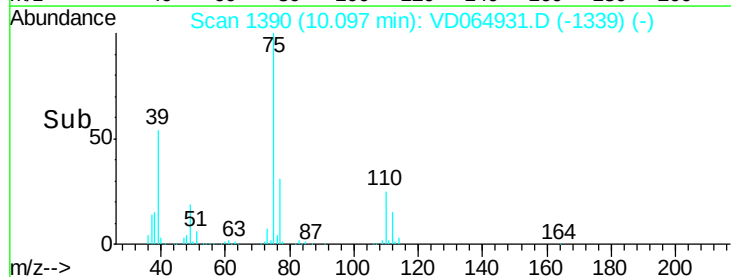
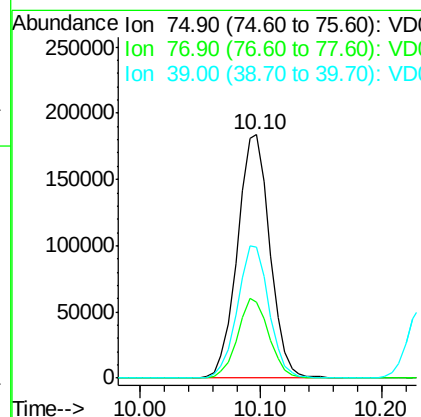
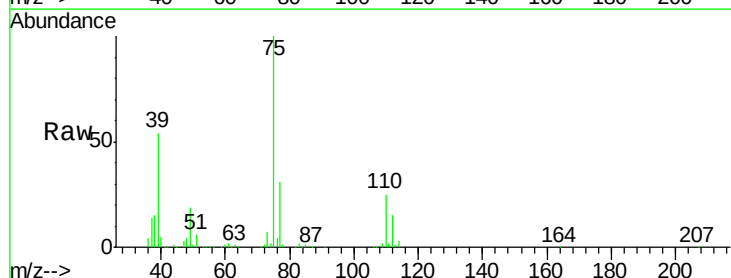
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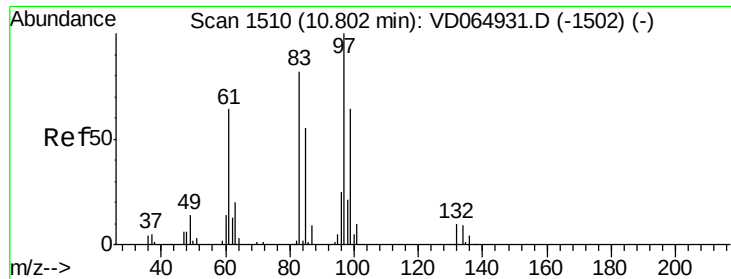
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#54
cis-1,3-Dichloropropene
Concen: 50.522 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	75	Resp	344510
Ion Ratio	Lower	Upper	
75	100		
77	31.4	25.1	37.7
39	53.8	43.0	64.6





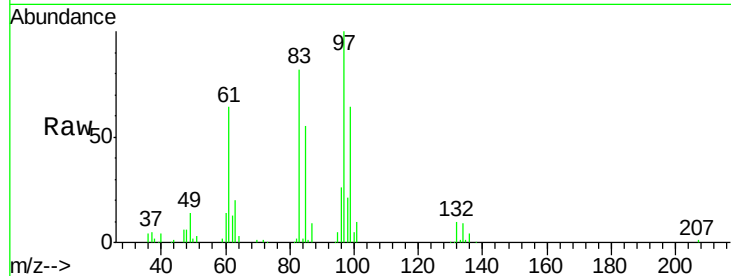
#55
 1,1,2-Trichloroethane
 Concen: 49.834 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

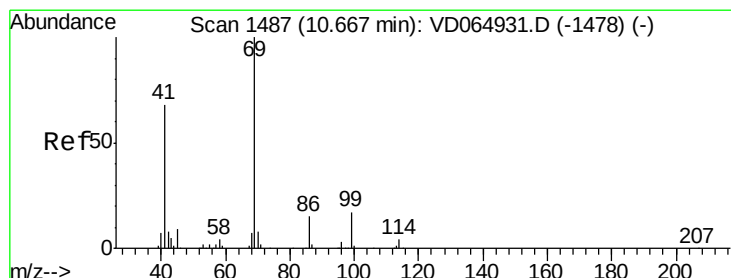
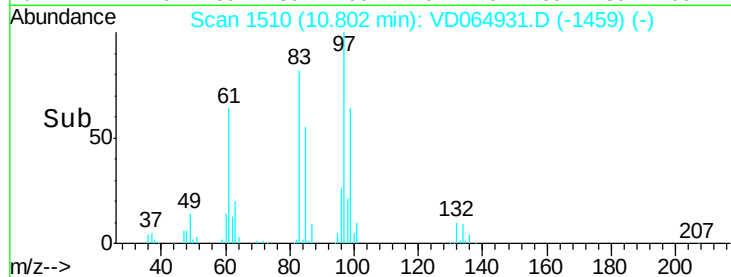
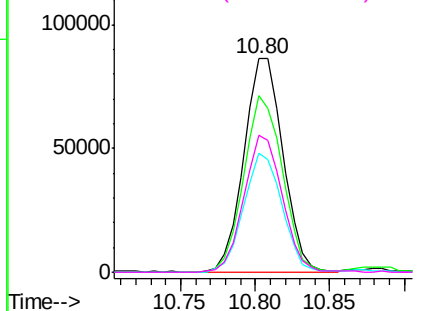
Tot Ion:	97	Resp:	156851
Ion	Ratio	Lower	Upper
97	100		
83	82.5	66.0	99.0
85	55.5	44.4	66.6
99	64.2	51.4	77.0

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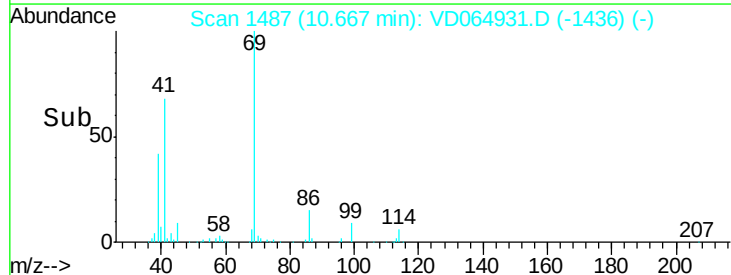
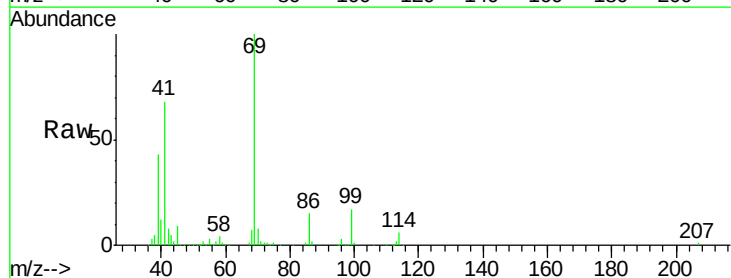
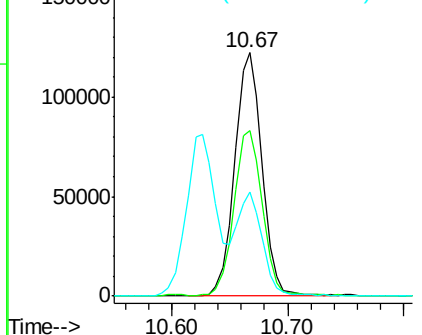
Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

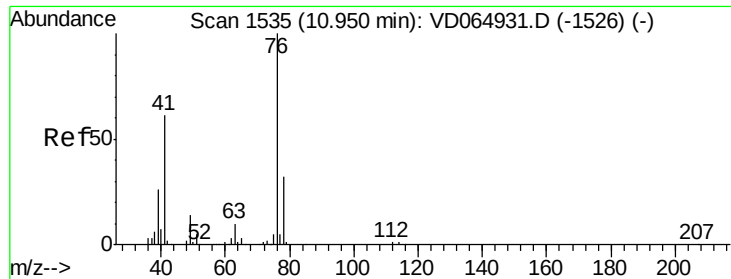


#56
 Ethyl methacrylate
 Concen: 50.814 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion:	69	Resp:	199256
Ion	Ratio	Lower	Upper
69	100		
41	70.5	56.4	84.6
39	38.3	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





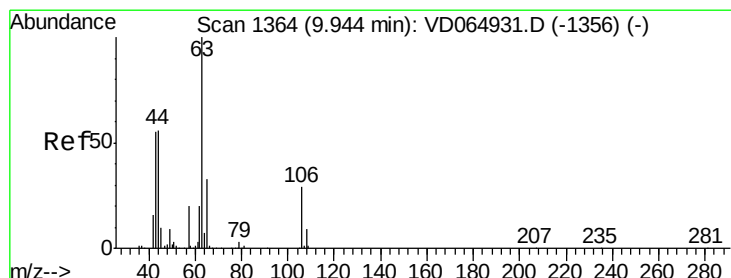
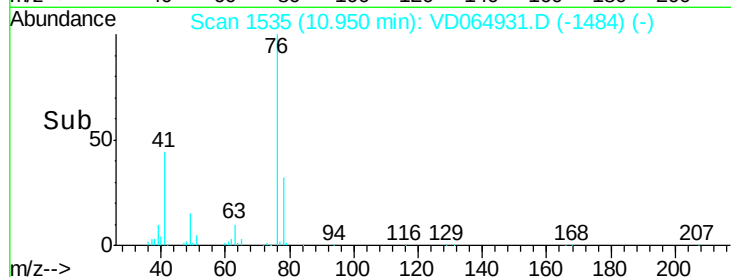
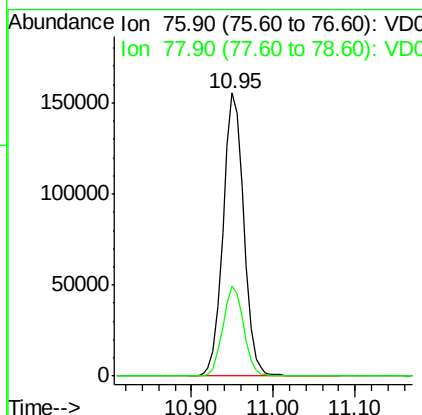
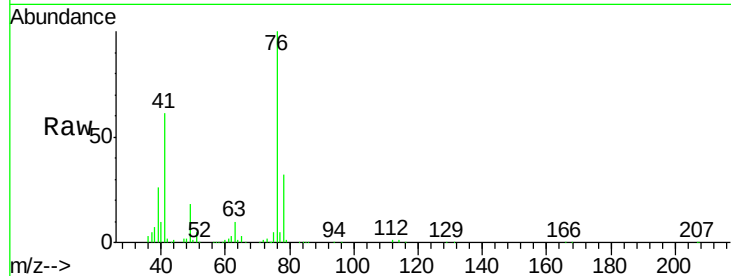
#57
 1,3-Dichloropropane
 Concen: 50.411 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.7	38.5

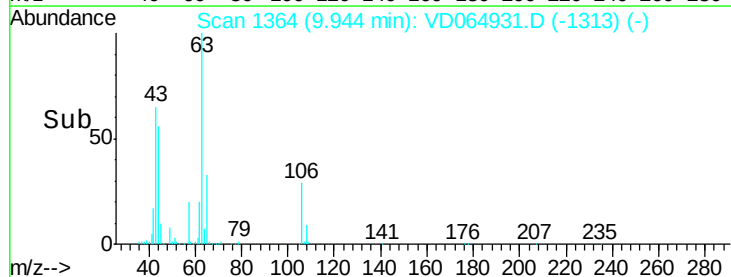
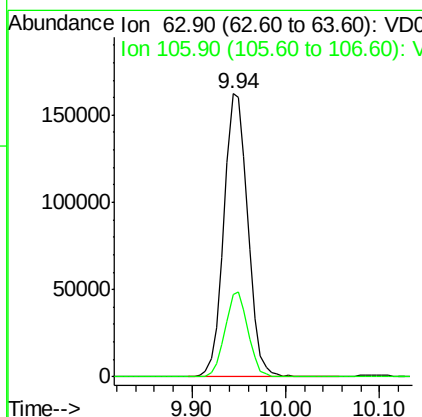
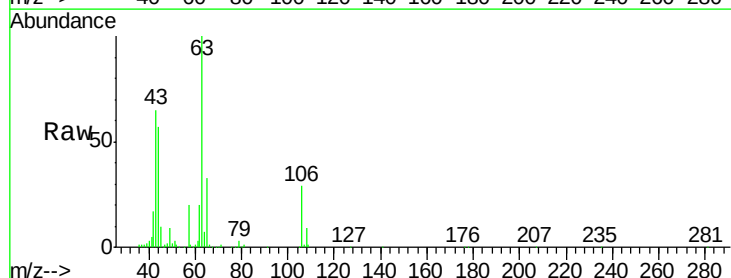
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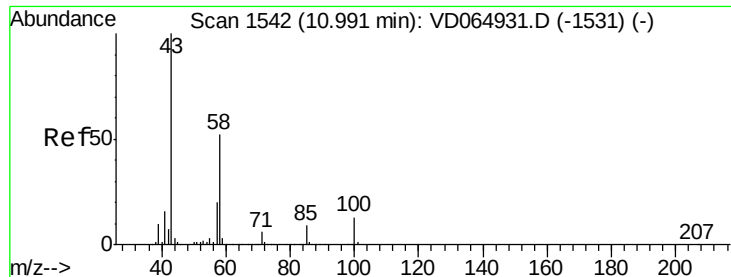
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#58
 2-Chloroethyl Vinyl ether
 Concen: 198.149 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.7	23.0	34.4





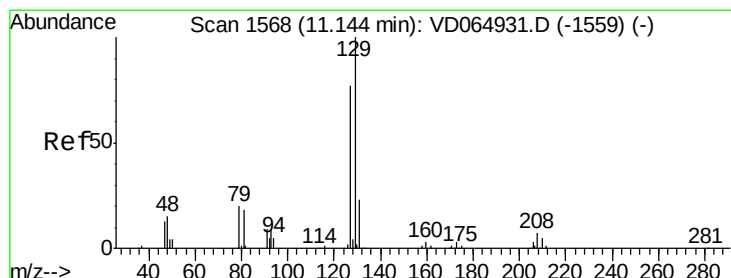
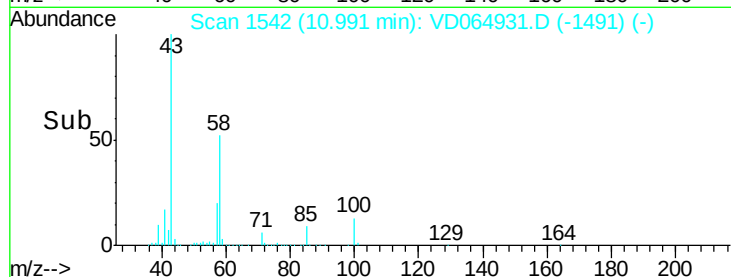
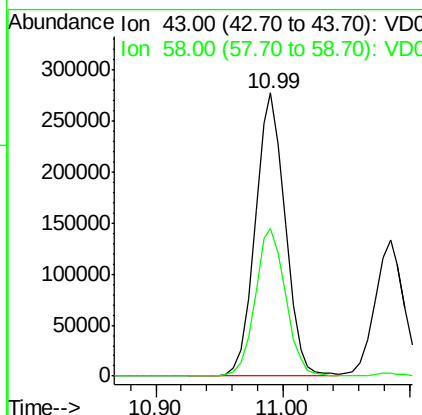
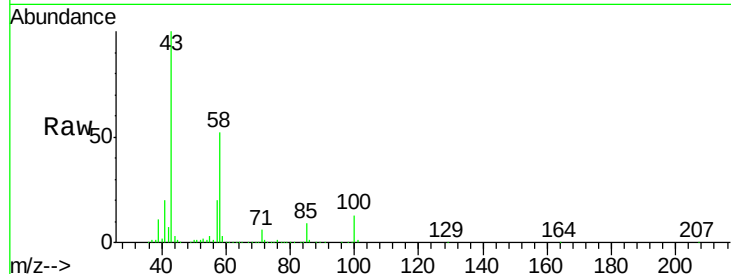
#59
2-Hexanone
Concen: 269.619 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 457298
Ion Ratio Lower Upper
43 100
58 52.9 26.5 79.4

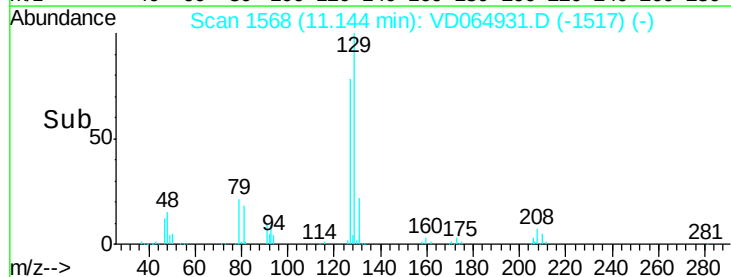
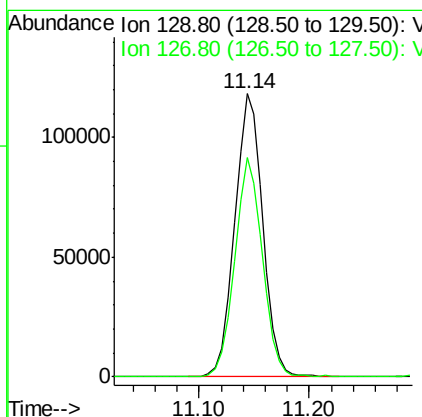
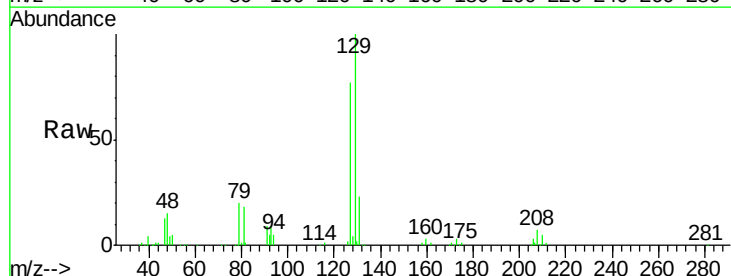
Manual Integrations
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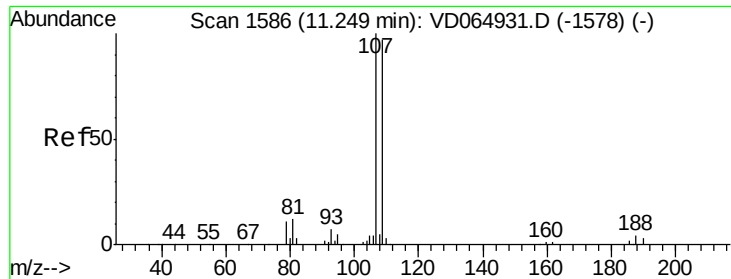
MMDadoda
1/24/2020 4:01:57 PM



#60
Dibromochloromethane
Concen: 48.661 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 129 Resp: 210388
Ion Ratio Lower Upper
129 100
127 76.4 38.2 114.6





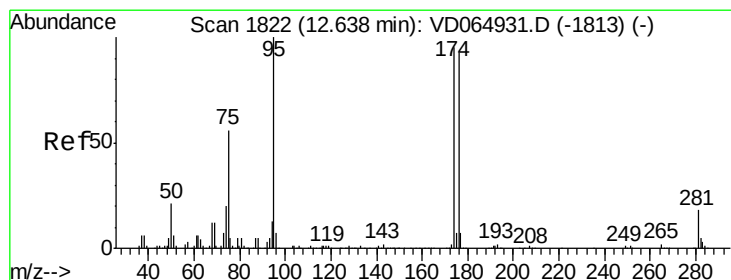
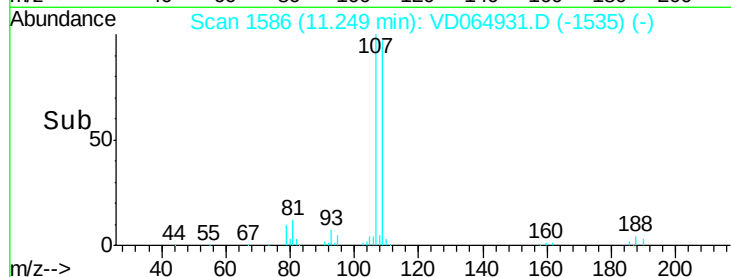
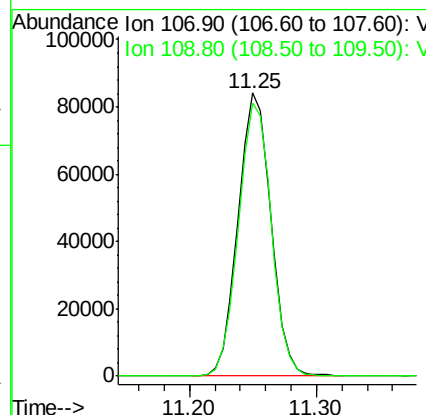
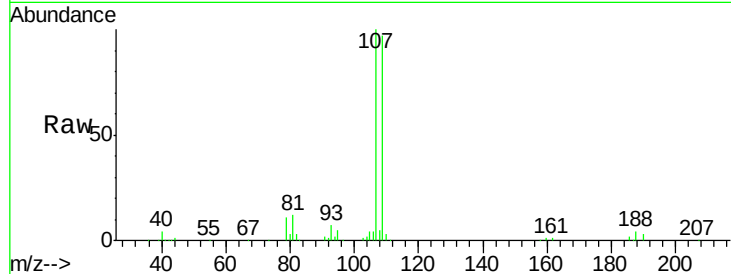
#61
 1,2-Dibromoethane
 Concen: 48.984 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.4	77.1	115.7

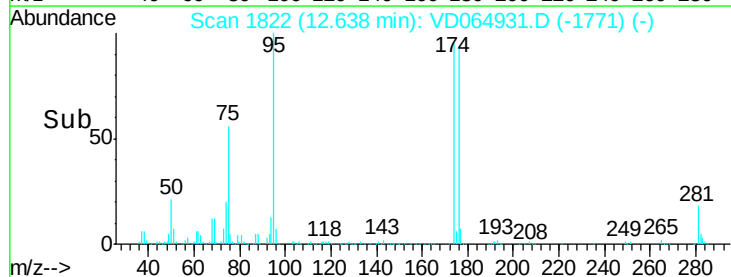
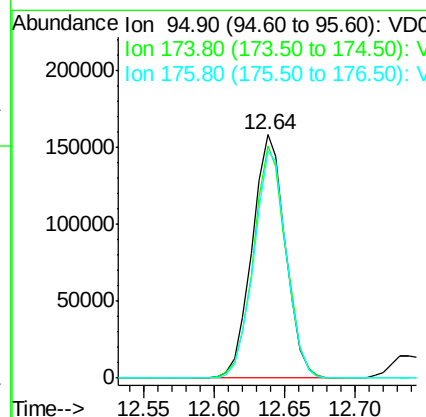
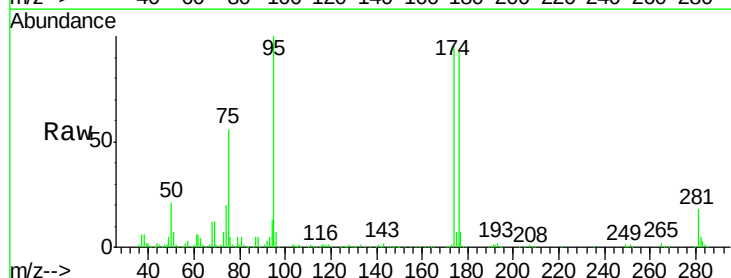
Manual Integrations
 APPROVED

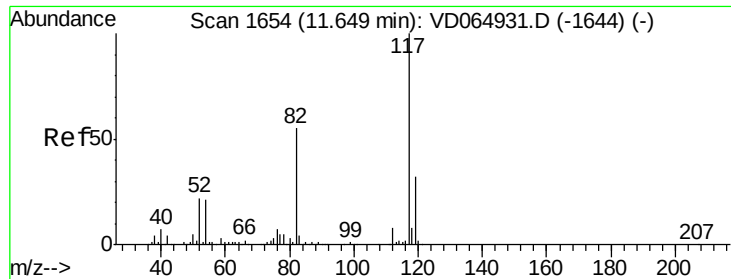
MMDadoda
 1/24/2020 4:01:57 PM



#62
 4-Bromofluorobenzene
 Concen: 52.611 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	186.8
176	91.7	0.0	183.4





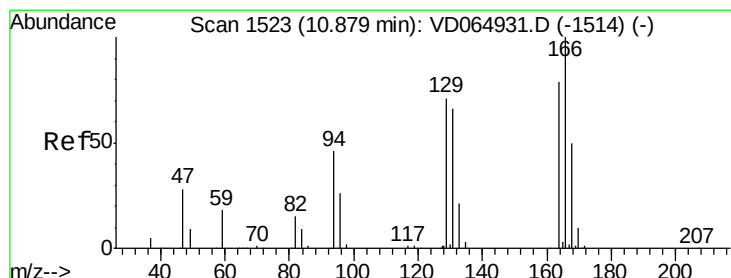
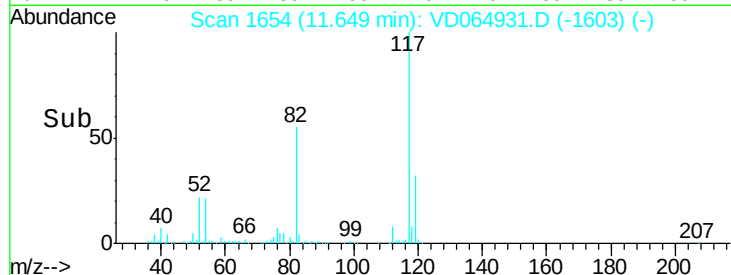
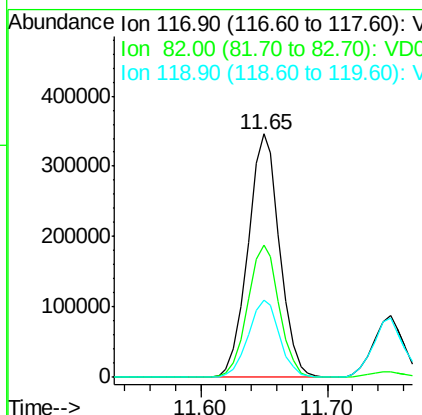
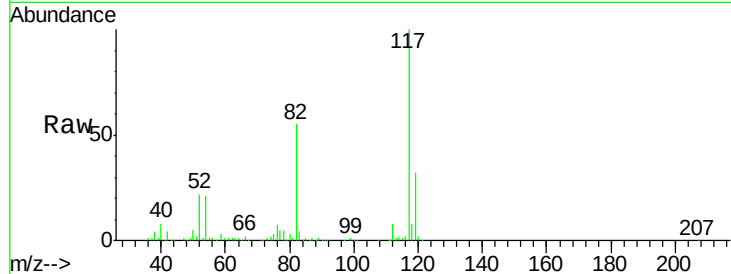
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	600380		
82	54.5	43.6	65.4	
119	31.5	25.2	37.8	

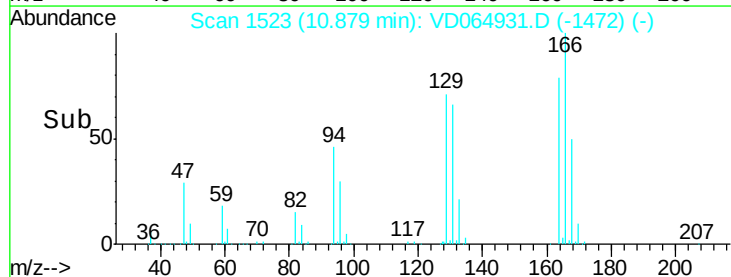
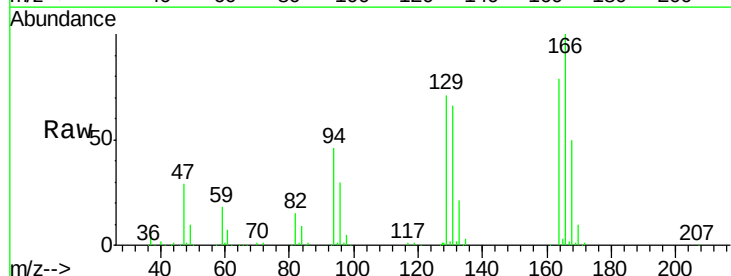
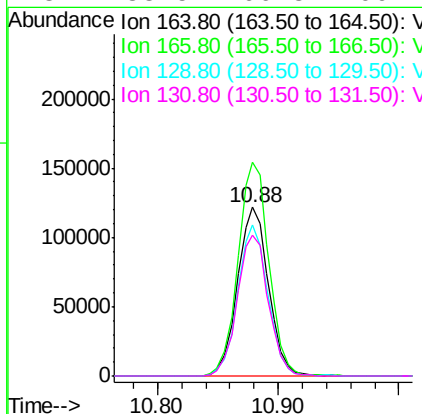
Manual Integrations
APPROVED

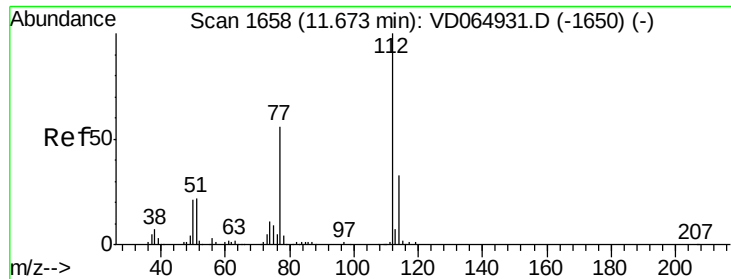
MMDadoda
1/24/2020 4:01:57 PM



#64
Tetrachloroethene
Concen: 47.638 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	217144		
166	126.8	101.4	152.2	
129	89.8	71.8	107.8	
131	83.5	66.8	100.2	





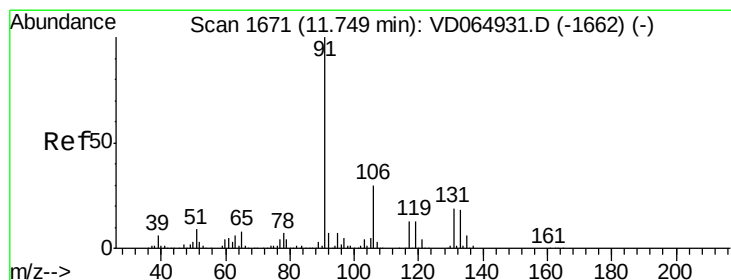
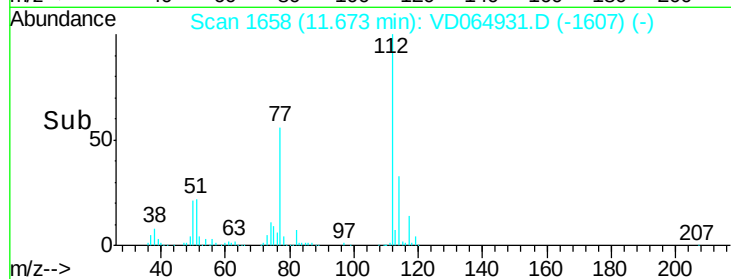
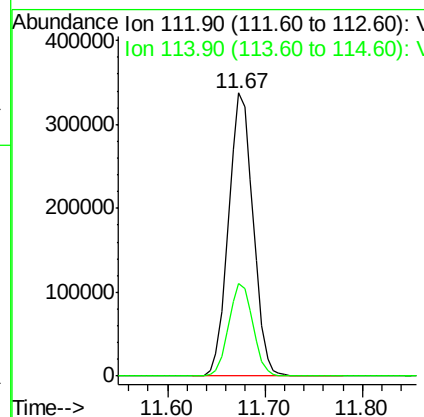
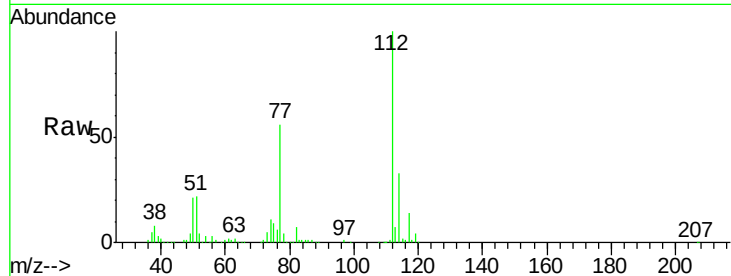
#65
Chlorobenzene
Concen: 47.942 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	588955		
114	32.8	26.2	39.4	

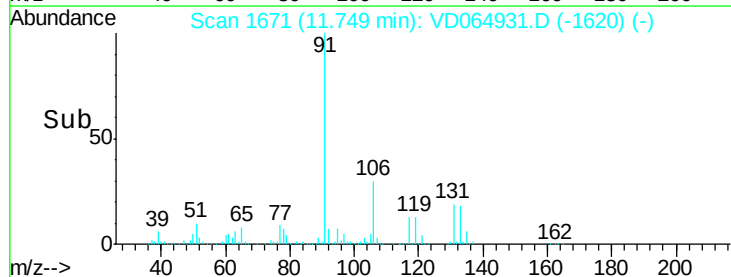
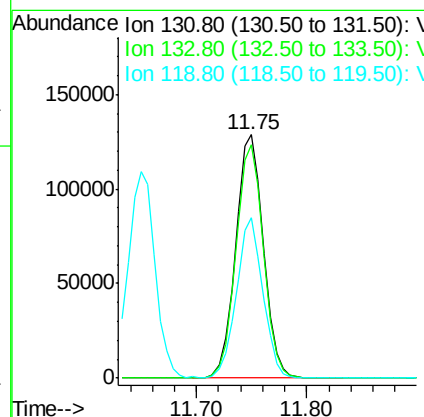
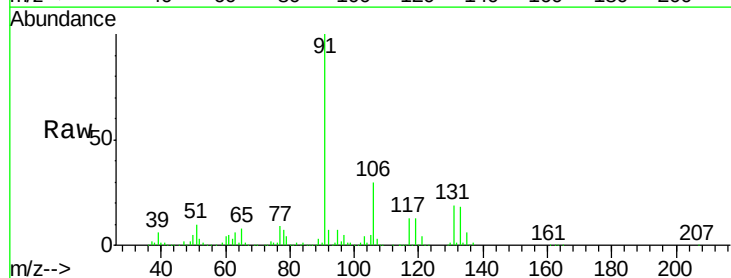
Manual Integrations
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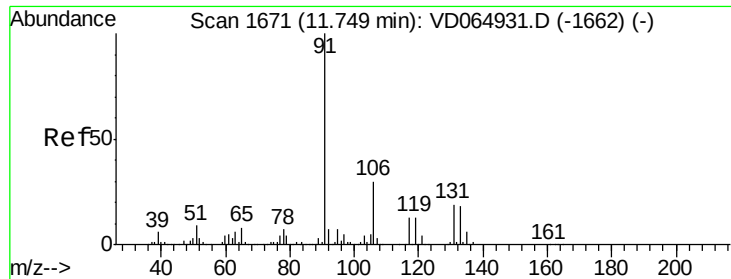
MMDadoda
1/24/2020 4:01:57 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.690 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	226566		
133	95.0	47.5	142.5	
119	62.3	31.1	93.5	





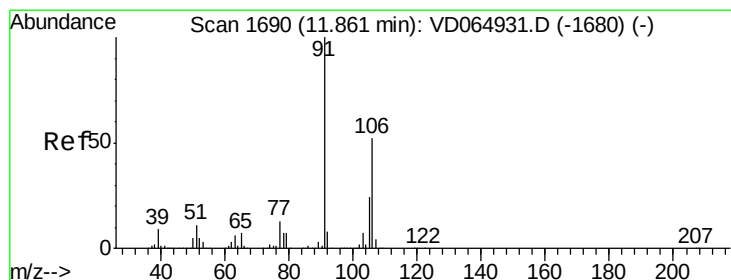
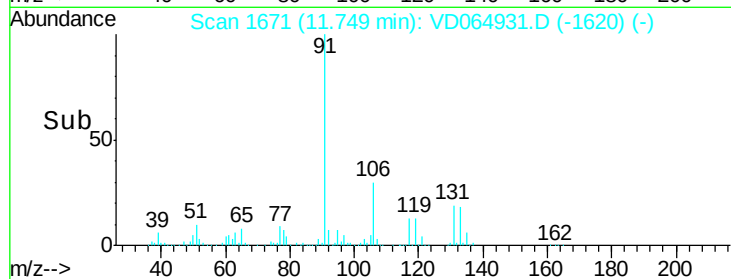
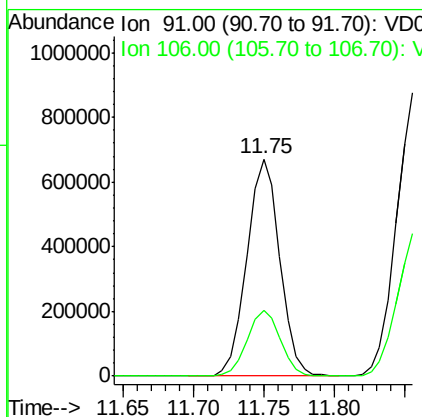
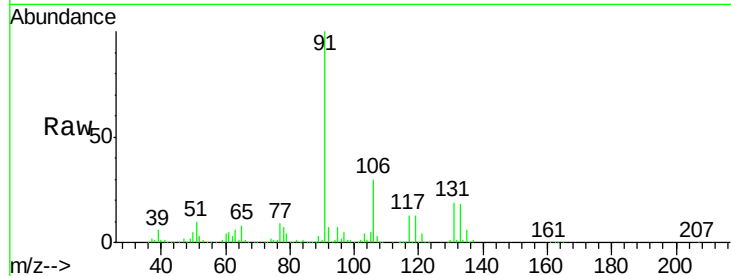
#67
Ethyl Benzene
Concen: 48.999 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 91 Resp: 1098226
Ion Ratio Lower Upper
91 100
106 30.4 24.3 36.5

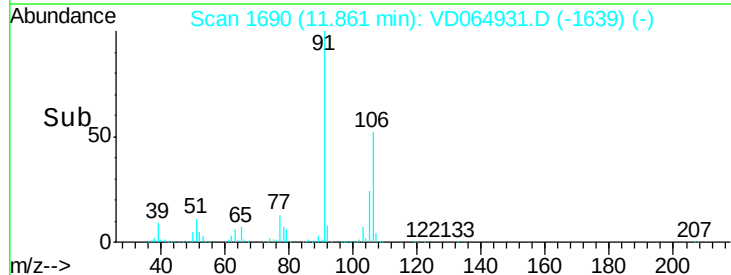
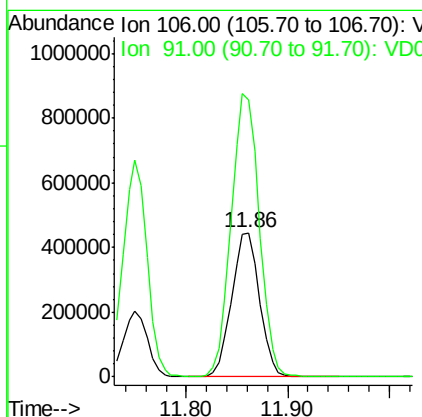
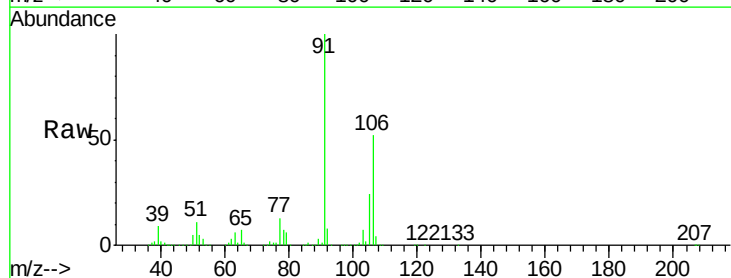
Manual Integrations
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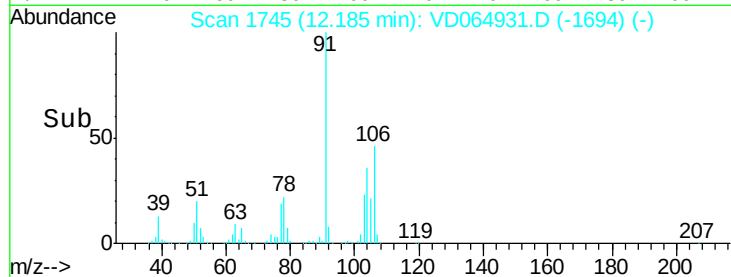
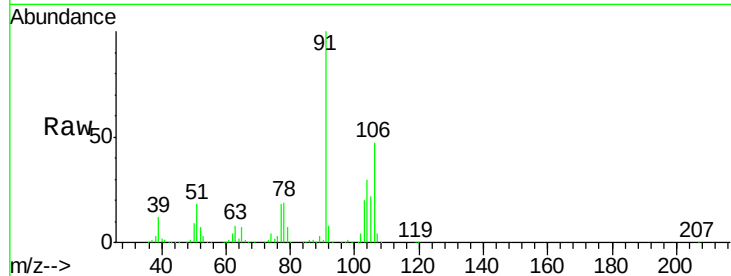
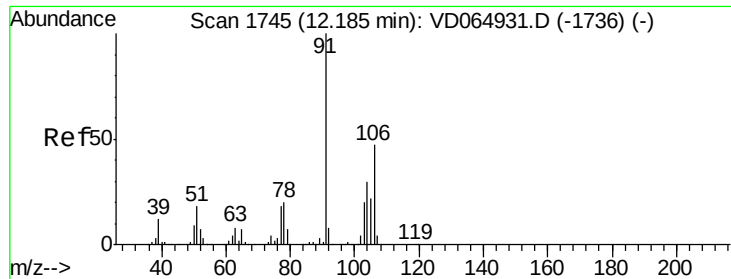
MMDadoda
1/24/2020 4:01:57 PM



#68
m/p-Xylenes
Concen: 98.204 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 106 Resp: 847493
Ion Ratio Lower Upper
106 100
91 198.7 159.0 238.4





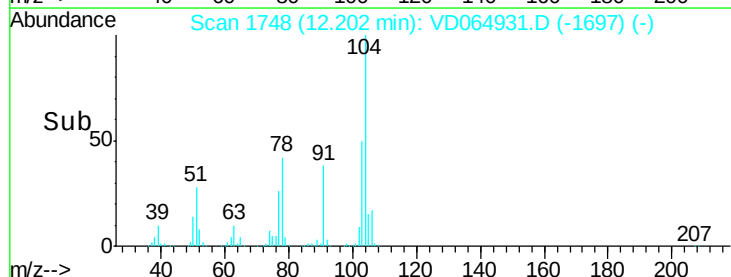
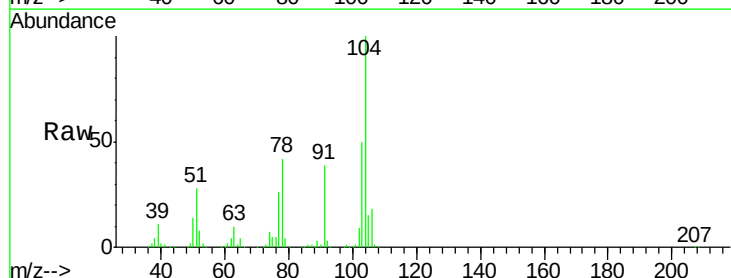
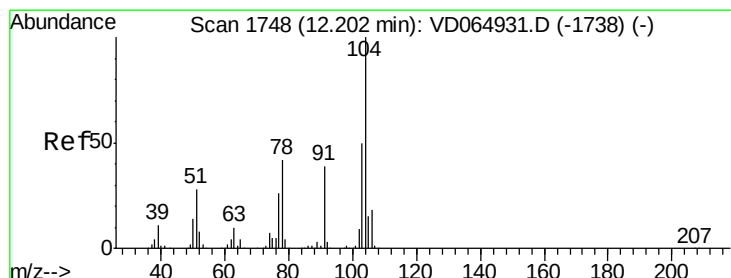
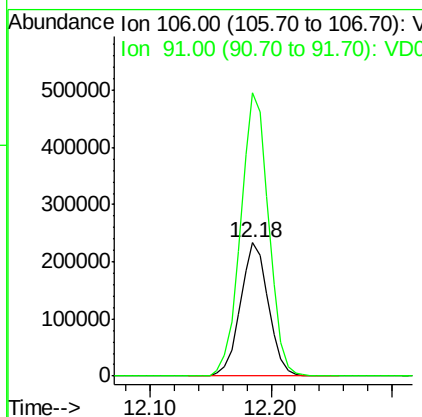
#69
o-Xylene
Concen: 48.274 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tot Ion	Ratio	Resp	Lower	Upper
106	100	375525		
91	213.3	106.7	319.9	

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

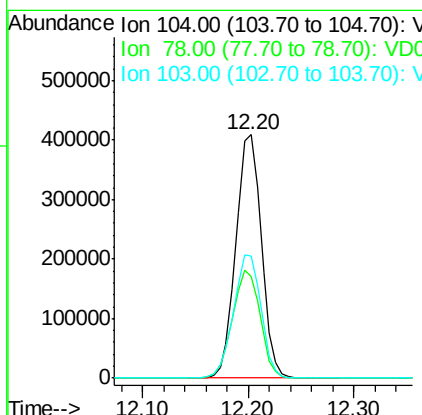
Manual Integrations
APPROVED

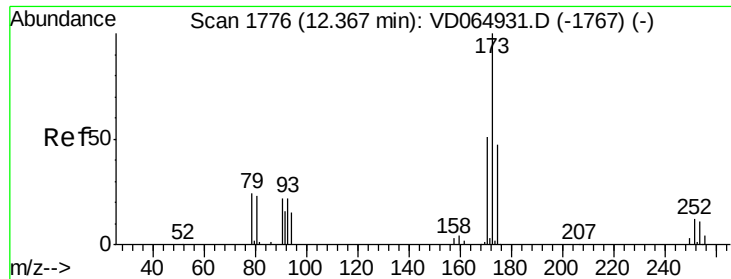
MMDadoda
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#70
Styrene
Concen: 49.698 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	682579		
78	47.9	38.3	57.5	
103	54.4	43.5	65.3	





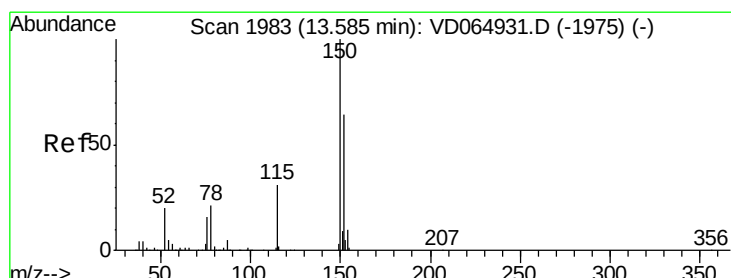
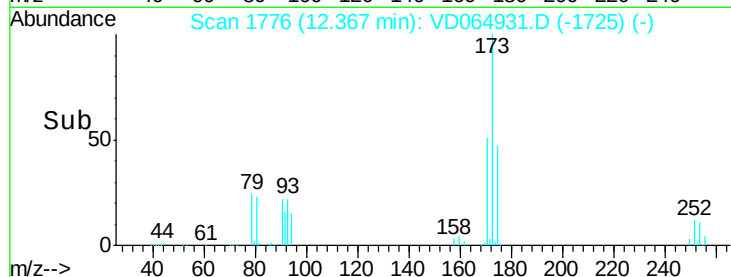
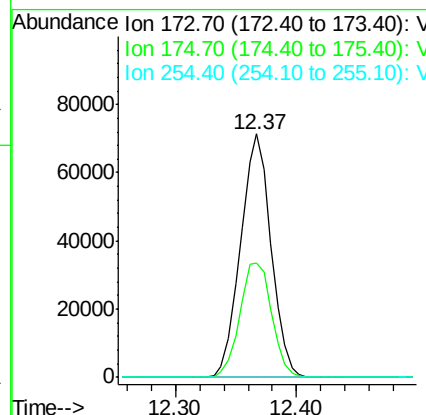
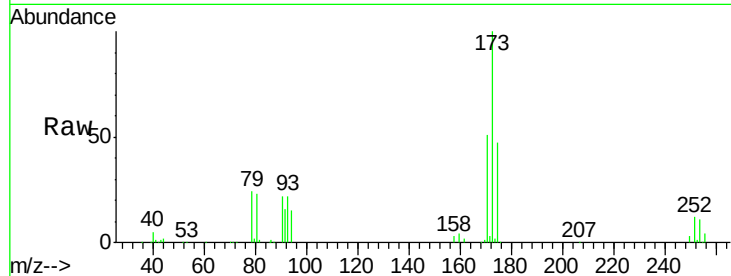
#71
Bromoform
Concen: 47.696 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.6	73.8
254	0.1	0.1	0.1#

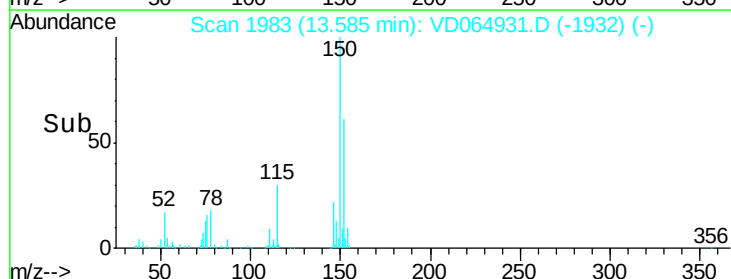
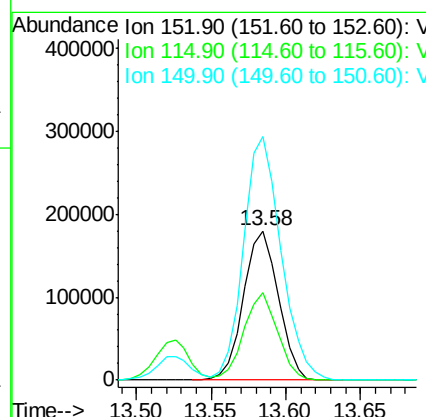
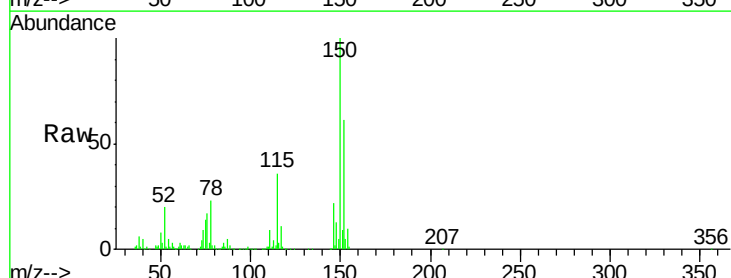
Manual Integrations
APPROVED

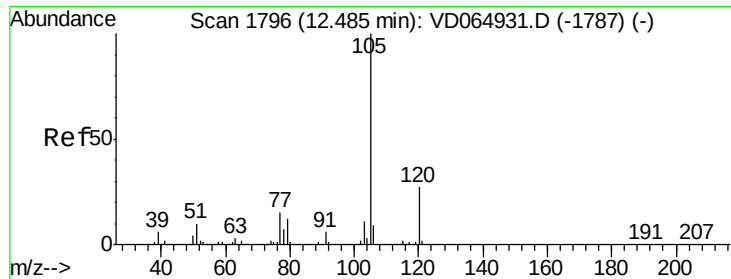
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.3	28.1	84.4
150	175.2	0.0	350.4





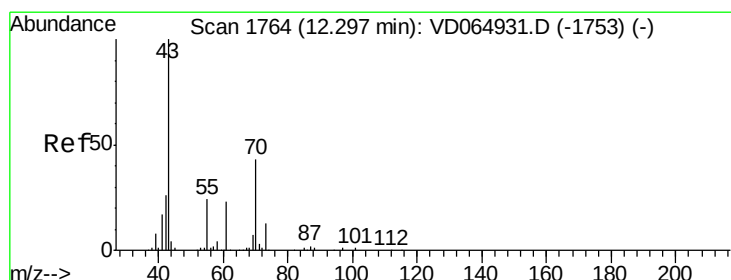
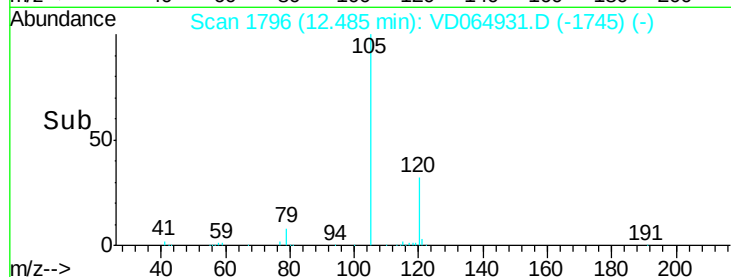
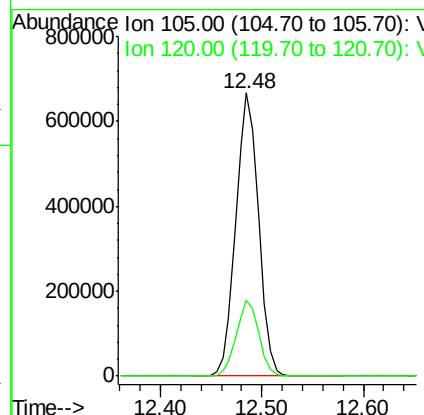
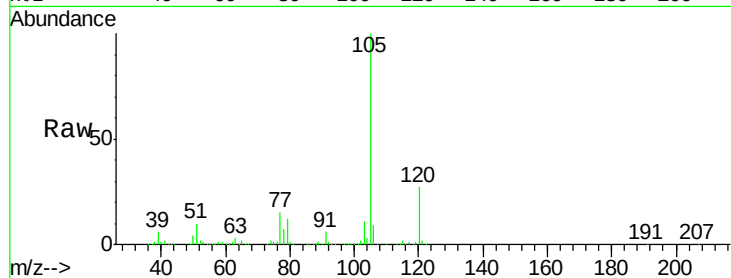
#73
Isopropylbenzene
Concen: 50.009 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 105 Resp: 1034838
Ion Ratio Lower Upper
105 100
120 26.5 13.3 39.8

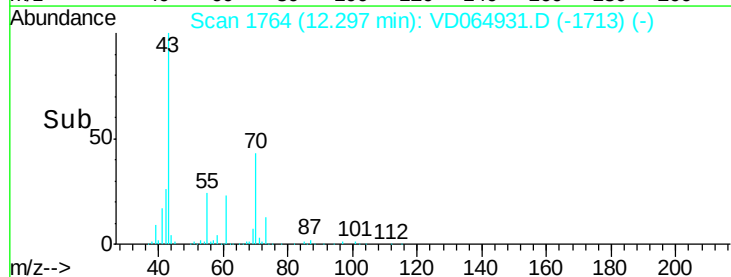
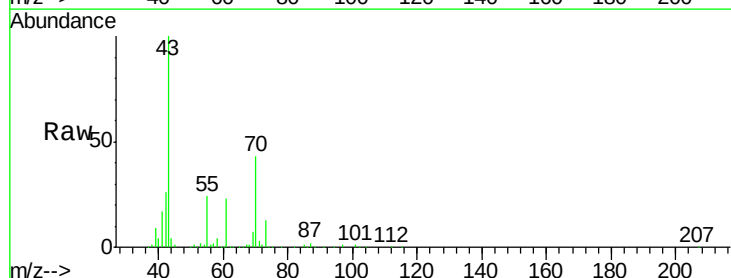
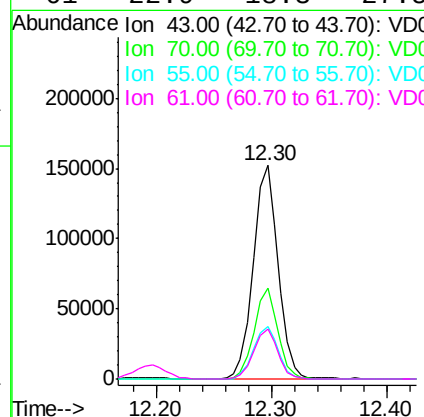
Manual Integrations
APPROVED

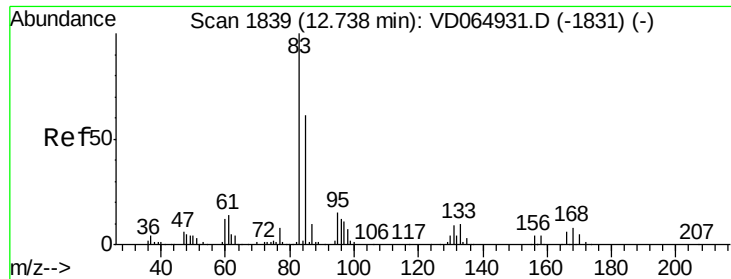
MMDadoda
1/24/2020 4:01:57 PM



#74
N-ethyl acetate
Concen: 51.536 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion: 43 Resp: 228570
Ion Ratio Lower Upper
43 100
70 40.8 32.6 49.0
55 24.9 19.9 29.9
61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 50.930 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

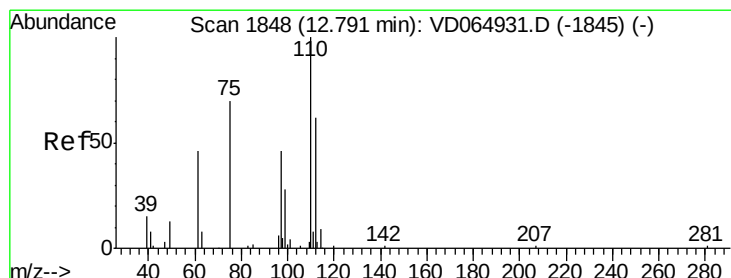
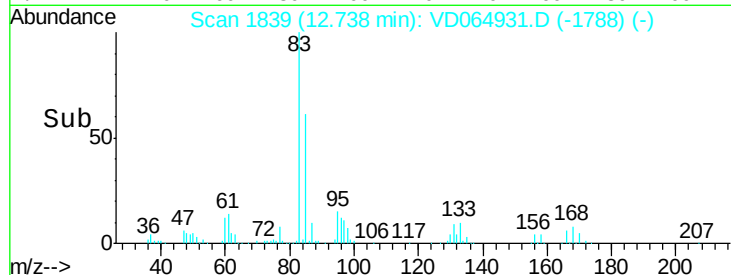
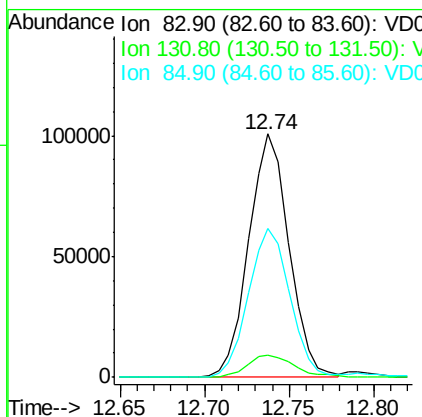
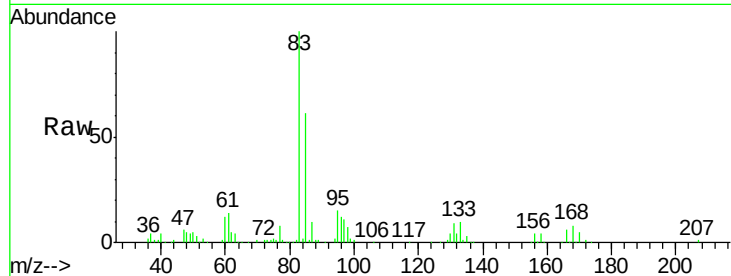
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	166635
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	63.1	31.6	94.7

Manual Integrations
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1/24/2020 4:01:57 PM



#76

1,2,3-Trichloropropane

Concen: 55.402 ug/l m

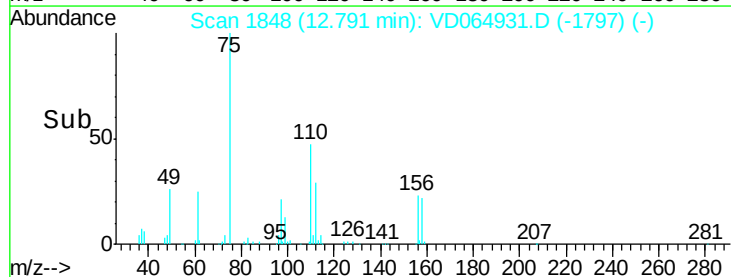
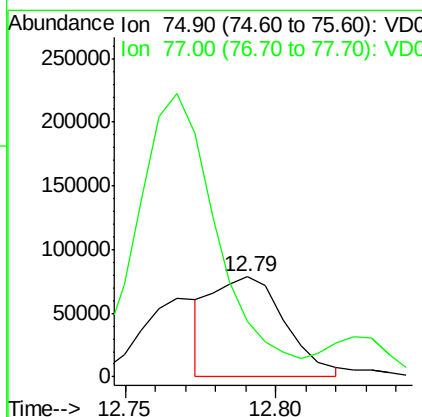
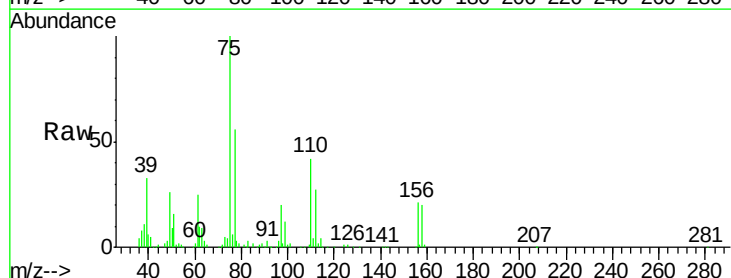
RT: 12.79 min Scan# 1848

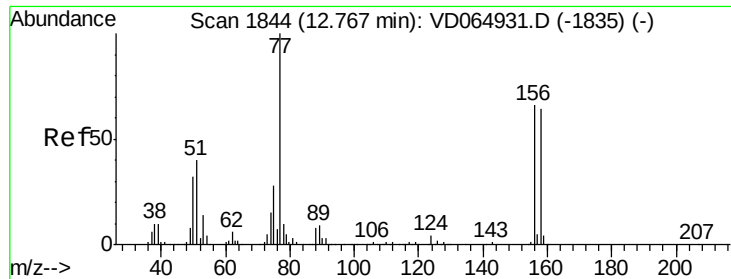
Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion:	75	Resp:	133038
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 48.588 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

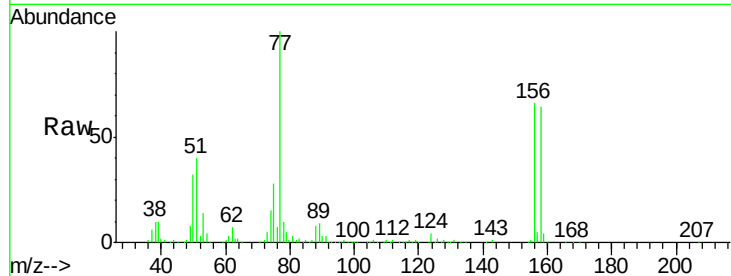
ClientSampleId :

VSTDICCC050

Tot Ion:	156	Resp:	246372
Ion Ratio	Lower	Upper	
156	100		
77	168.3	84.2	252.5
158	96.3	48.1	144.4

Manual Integrations
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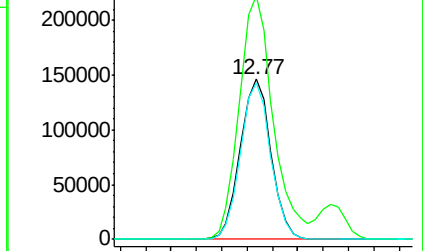
MMDadoda
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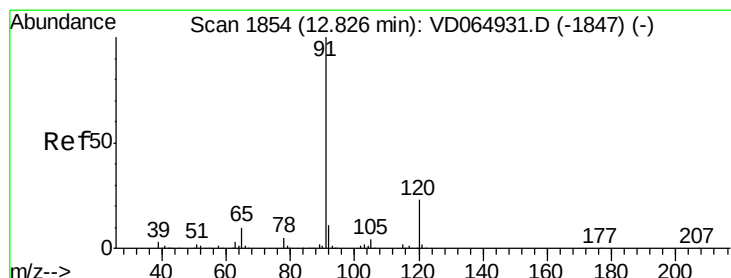
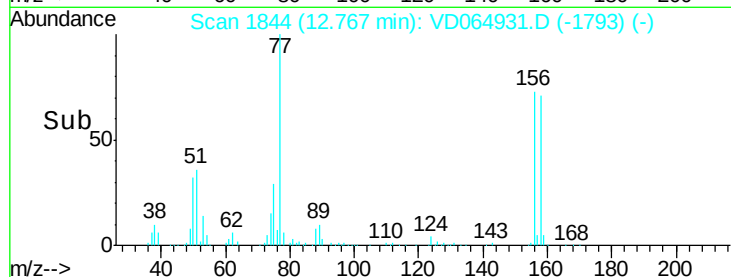
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 50.389 ug/l

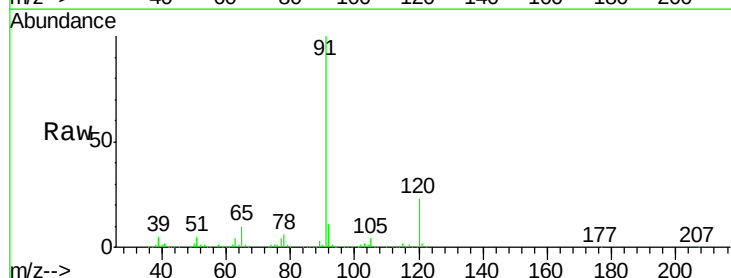
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064931.D

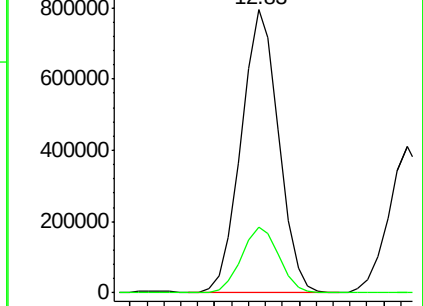
Acq: 23 Jan 2020 12:21

Tgt Ion:	91	Resp:	1220336
Ion Ratio	Lower	Upper	
91	100		
120	23.4	11.7	35.1

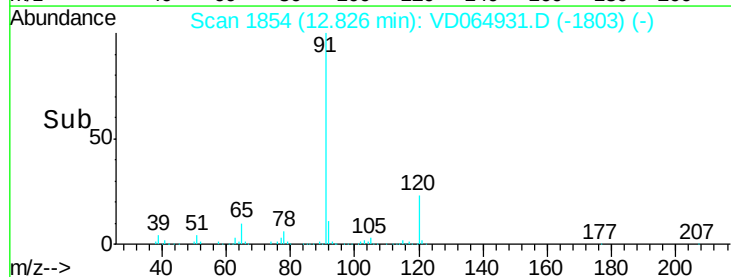


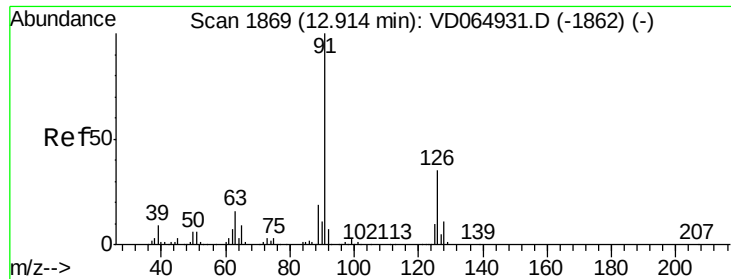
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 49.805 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 662378

Ion Ratio Lower Upper

91 100

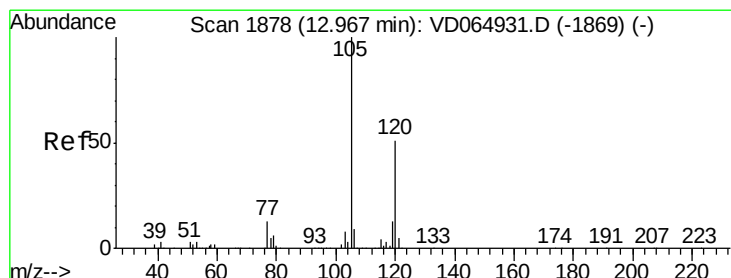
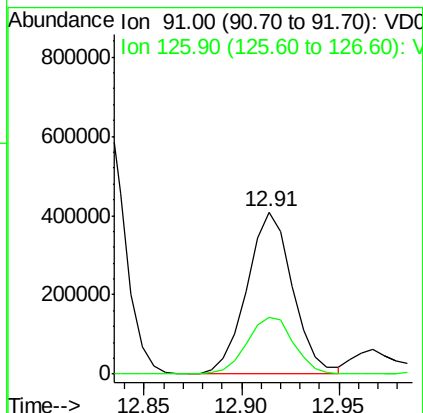
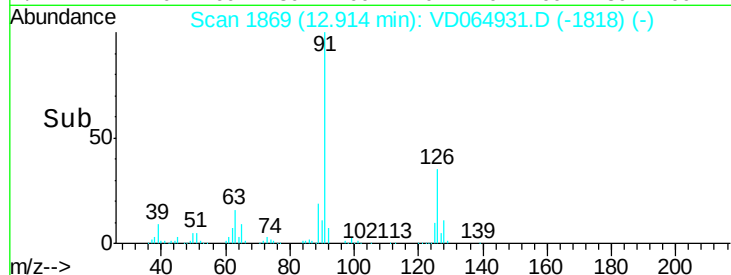
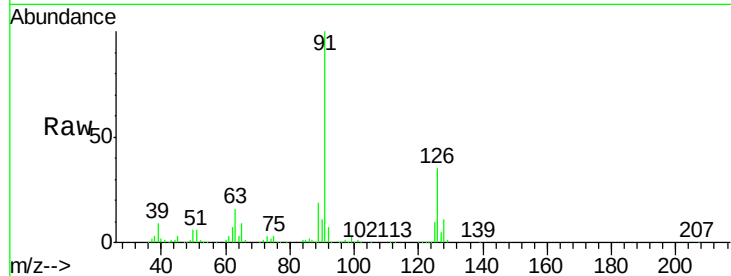
126 35.9 17.9 53.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 49.464 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064931.D

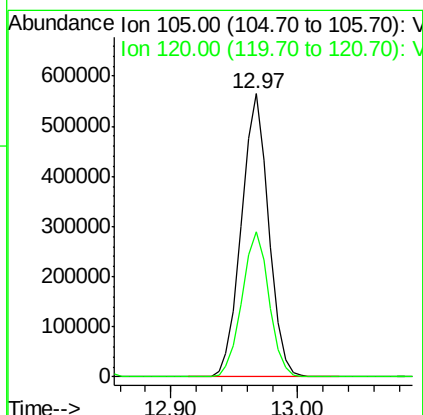
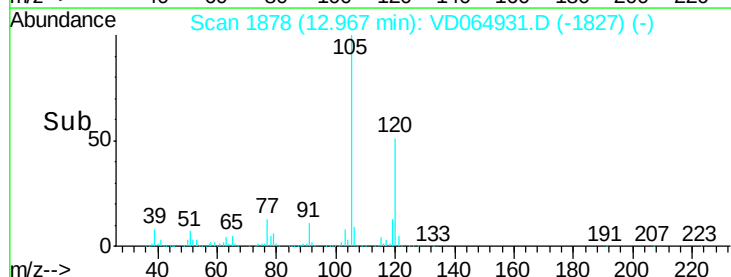
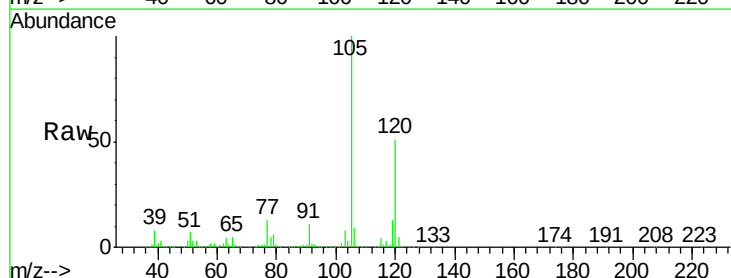
Acq: 23 Jan 2020 12:21

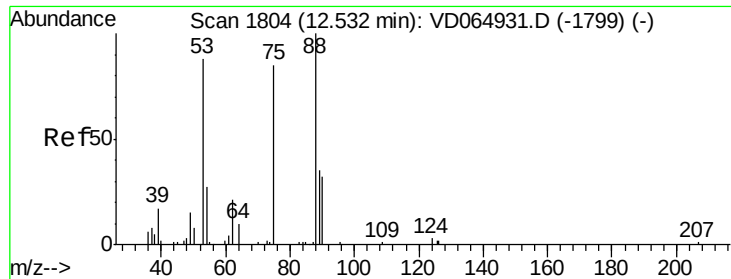
Tgt Ion: 105 Resp: 838550

Ion Ratio Lower Upper

105 100

120 51.2 25.6 76.8





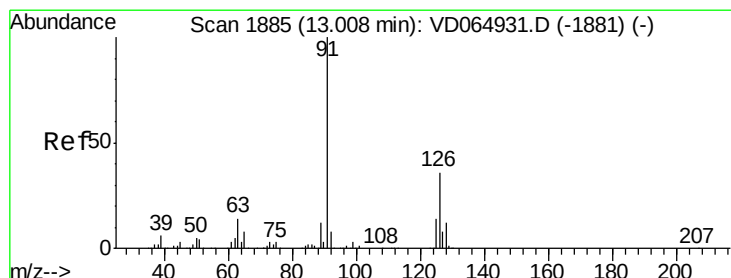
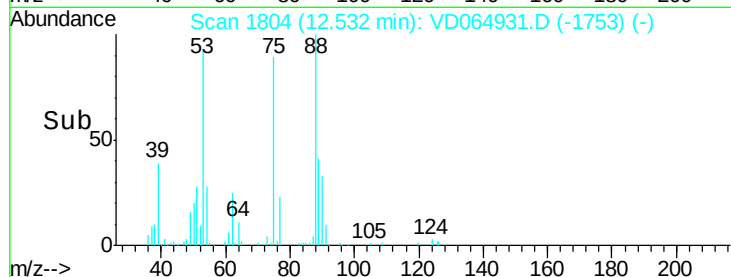
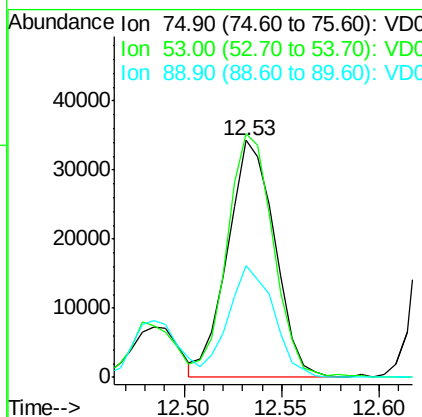
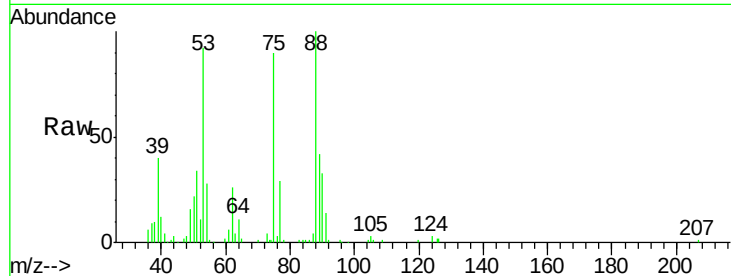
#81
trans-1,4-Dichloro-2-butene
Concen: 51.936 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.2	81.0	121.4
89	45.3	36.2	54.4

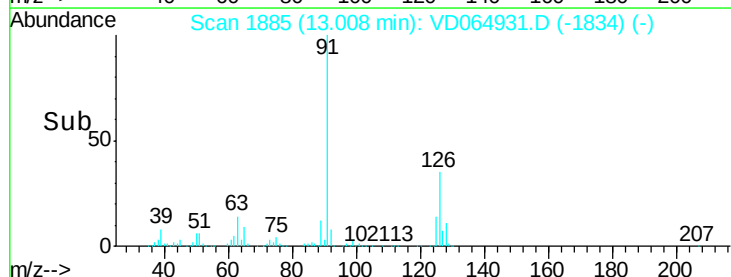
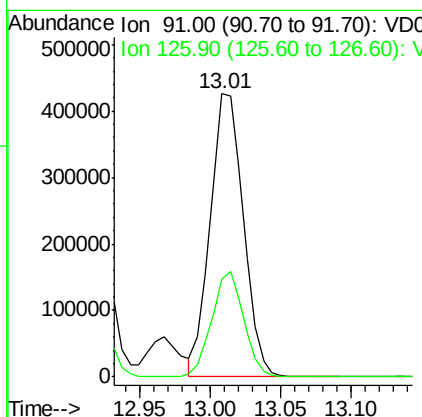
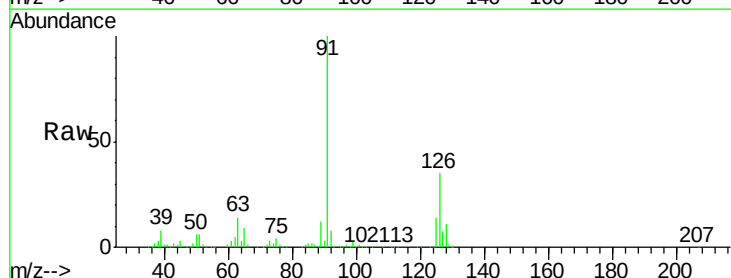
Manual Integrations
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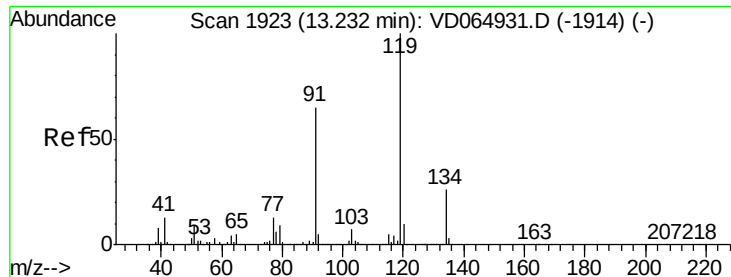
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#82
4-Chlorotoluene
Concen: 49.243 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.0	54.0





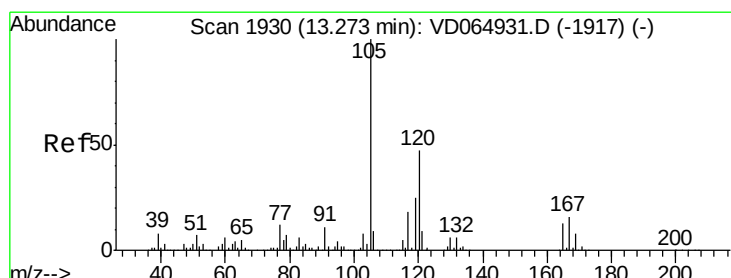
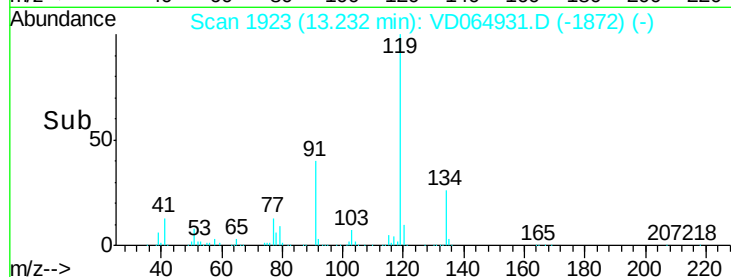
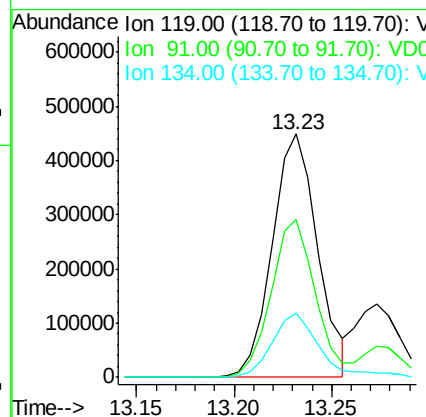
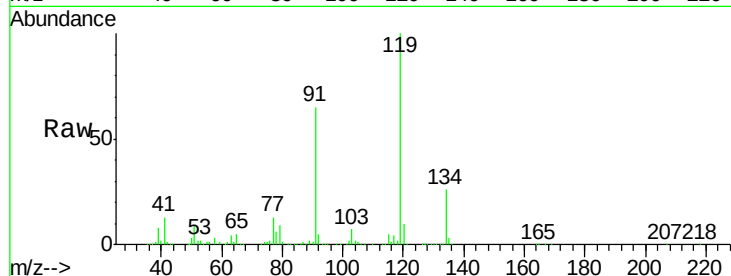
#83
 tert-Butylbenzene
 Concen: 49.044 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.0	32.0	96.0
134	27.7	13.9	41.6

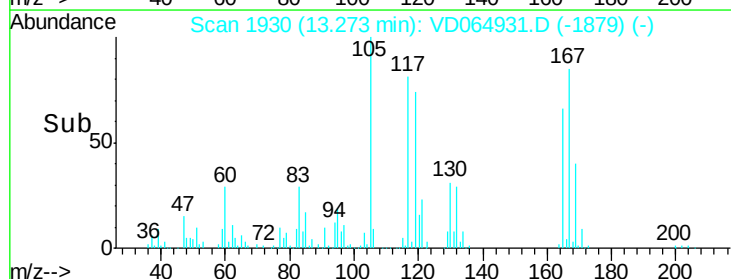
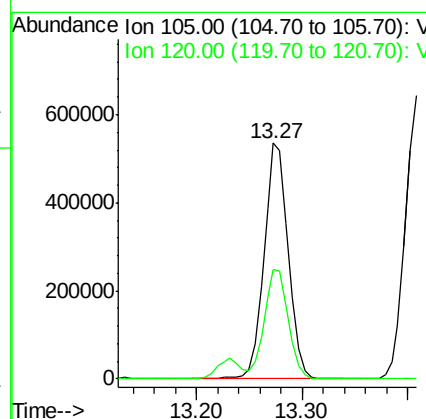
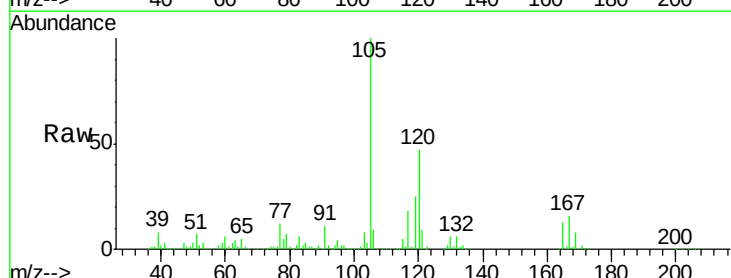
Manual Integrations
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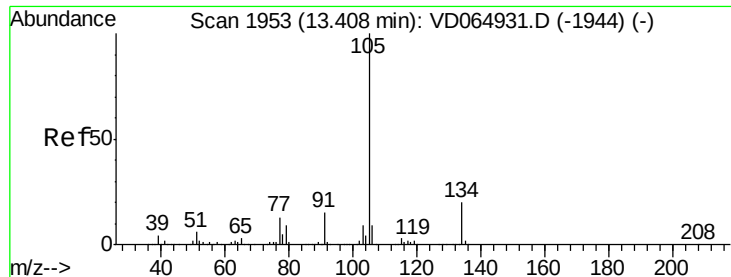
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.046 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.1	69.3





#85

sec-Butylbenzene

Concen: 49.579 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 1001876

Ion Ratio Lower Upper

105 100

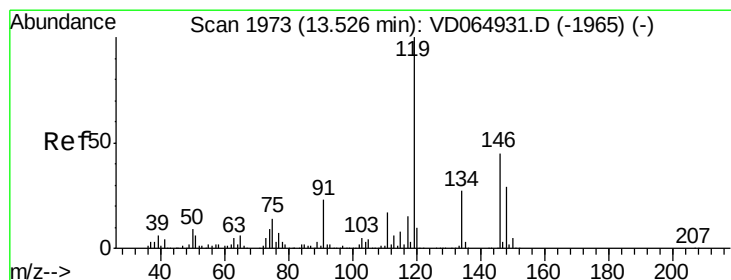
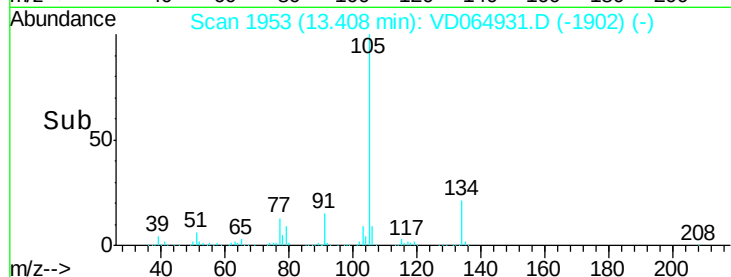
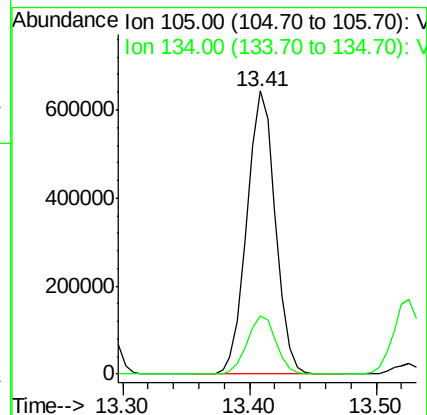
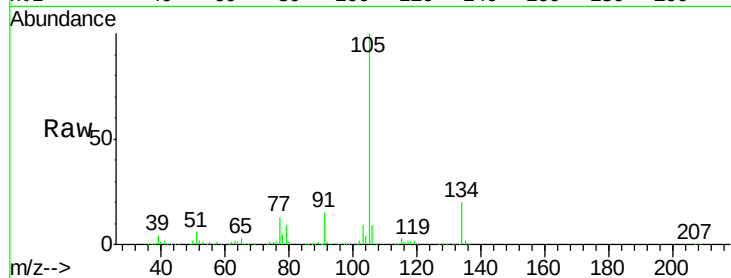
134 20.9 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 49.627 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

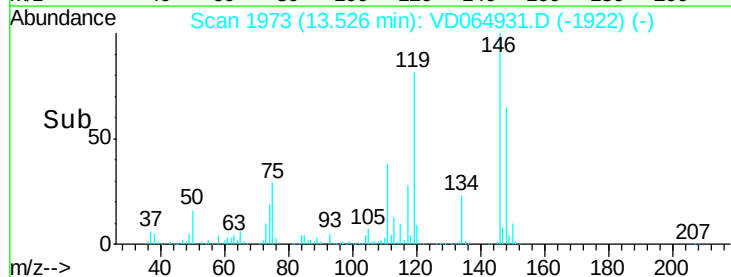
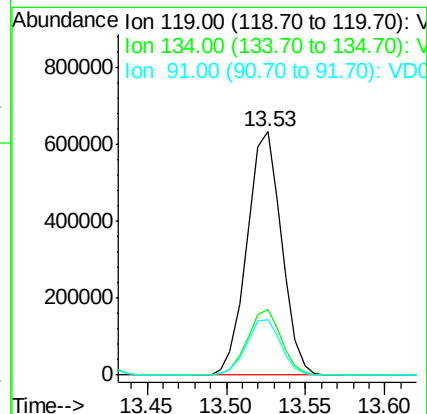
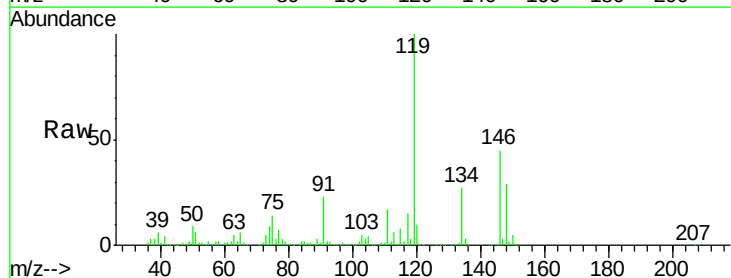
Tgt Ion:119 Resp: 957681

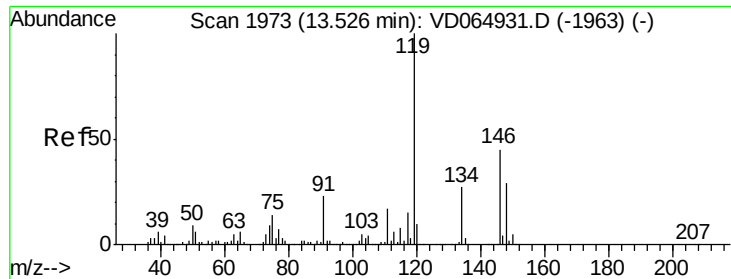
Ion Ratio Lower Upper

119 100

134 26.6 13.3 39.9

91 22.8 11.4 34.2





#87

1,3-Dichlorobenzene

Concen: 48.215 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

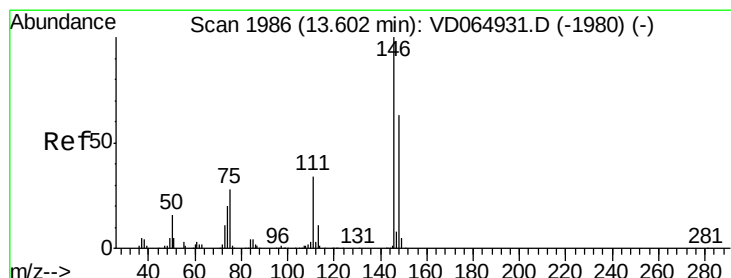
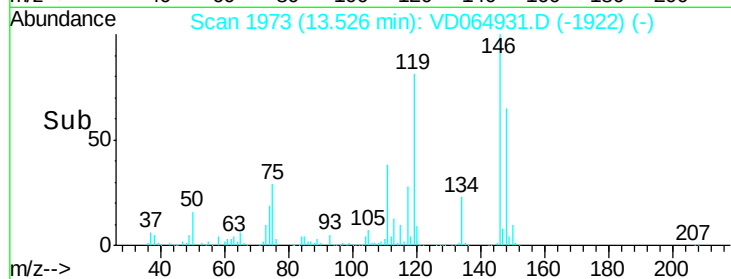
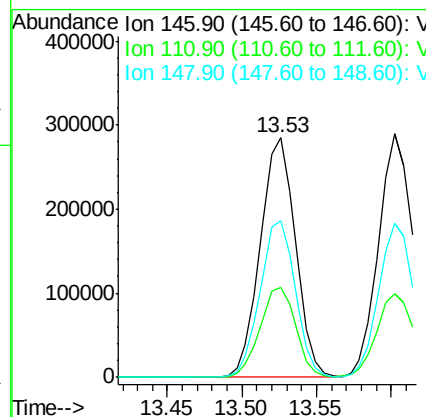
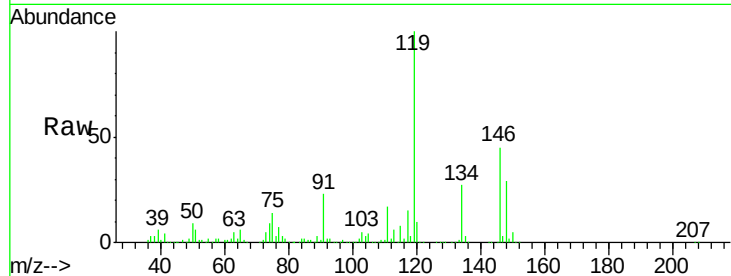
Instrument :
MSVOA_D

ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	466118		
111	37.9	18.9	56.9	
148	65.1	32.6	97.7	

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 48.453 ug/l

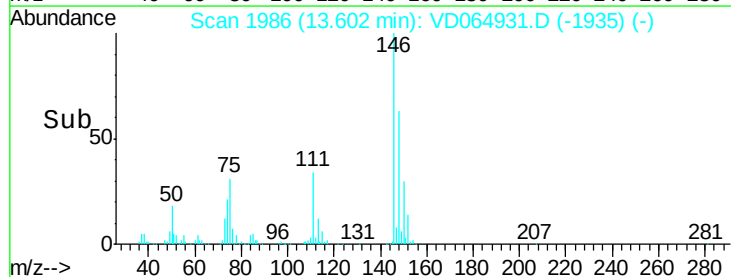
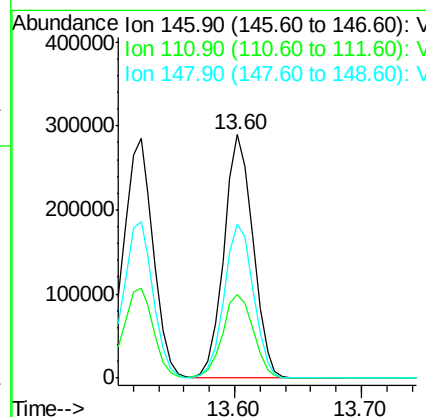
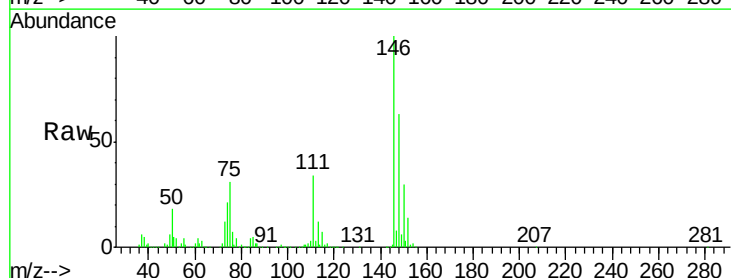
RT: 13.60 min Scan# 1986

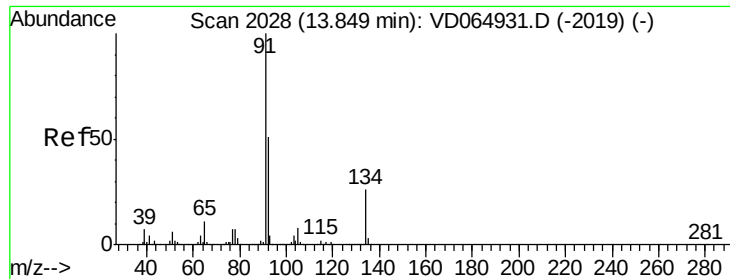
Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	459628		
111	36.4	18.2	54.6	
148	64.0	32.0	96.0	





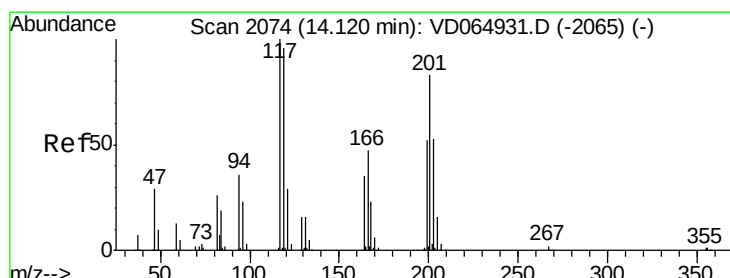
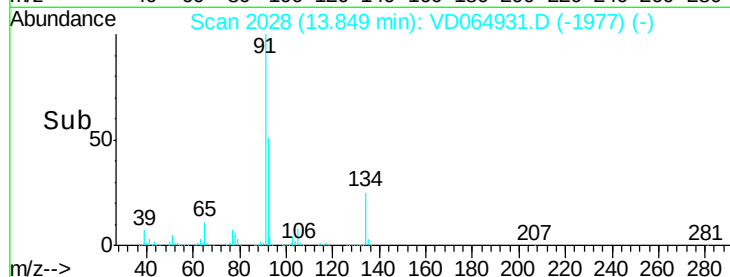
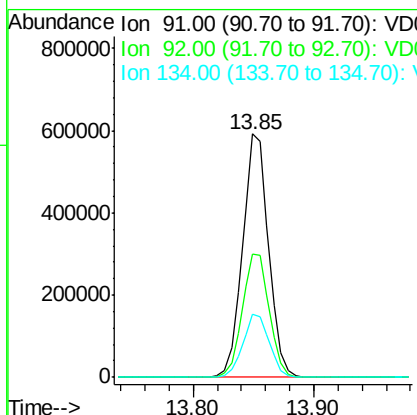
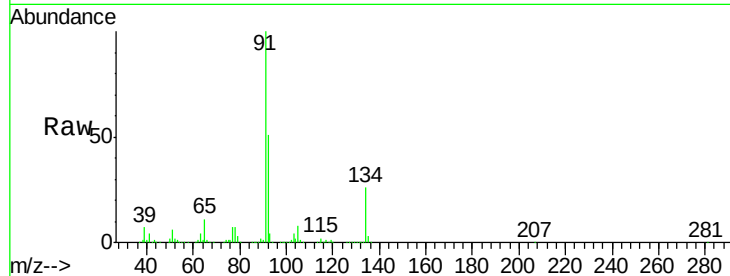
#89
n-Butylbenzene
Concen: 50.563 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.4	79.0
134	26.6	13.3	39.9

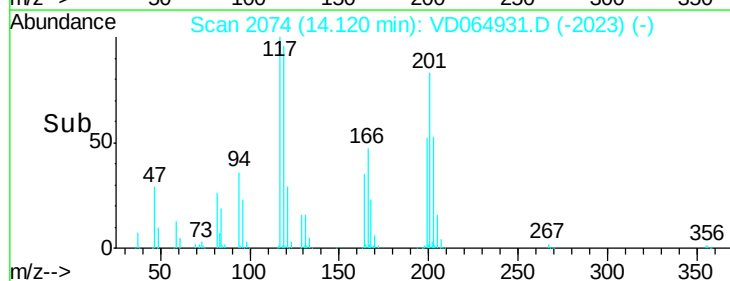
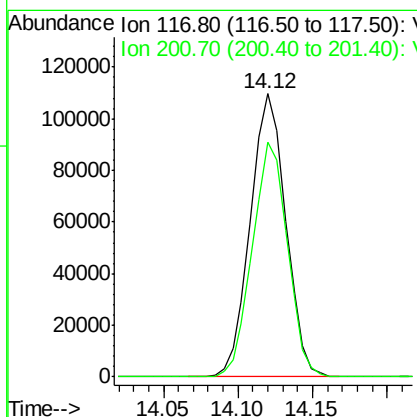
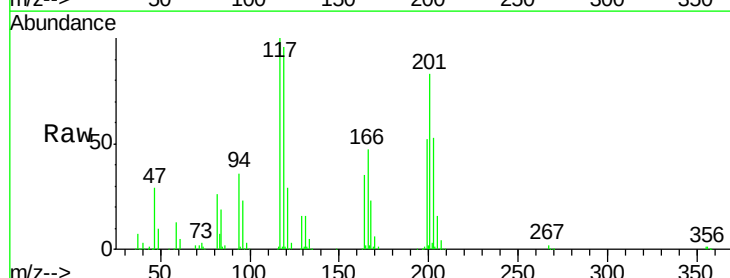
Manual Integrations
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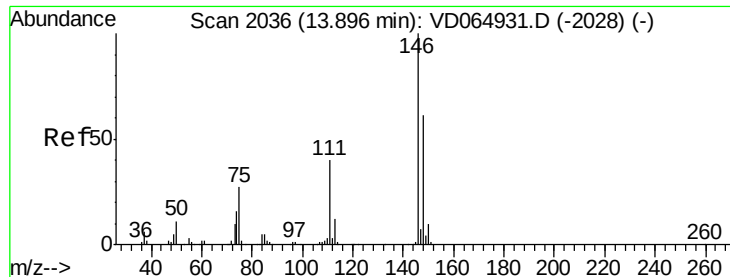
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#90
Hexachloroethane
Concen: 48.860 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064931.D
Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.2	41.1	123.3





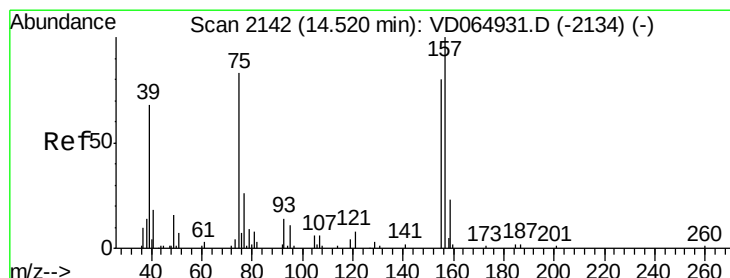
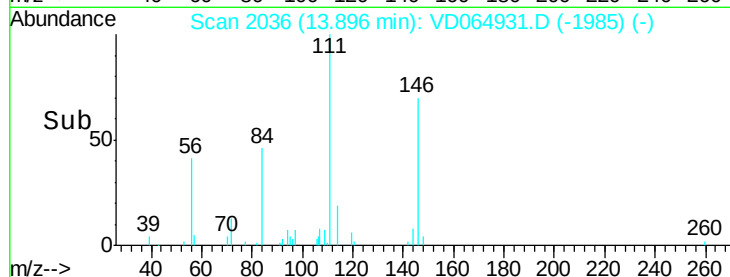
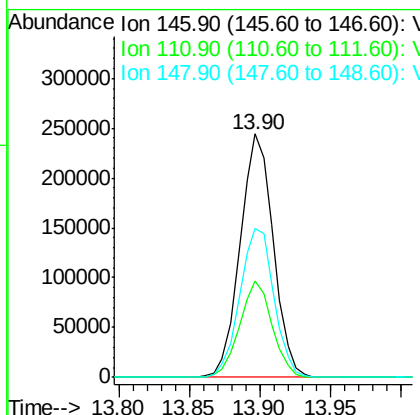
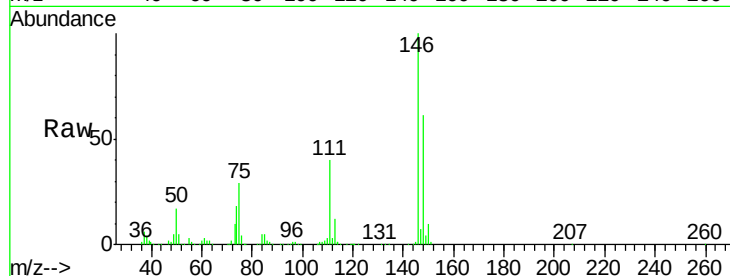
#91
 1,2-Dichlorobenzene
 Concen: 48.627 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.4	58.2
148	63.3	31.6	95.0

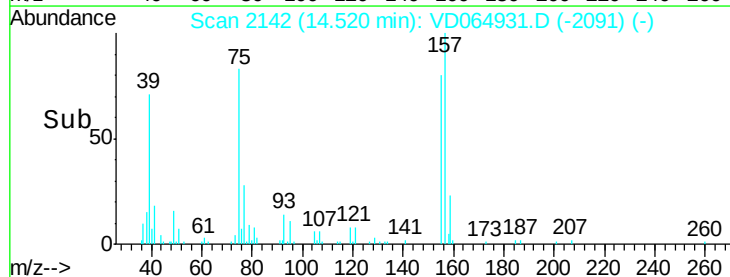
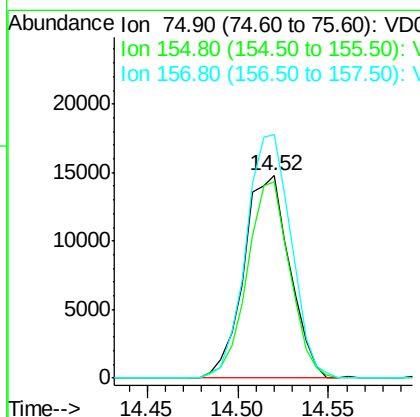
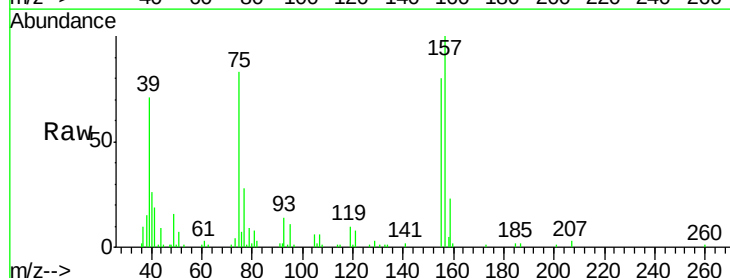
Manual Integrations
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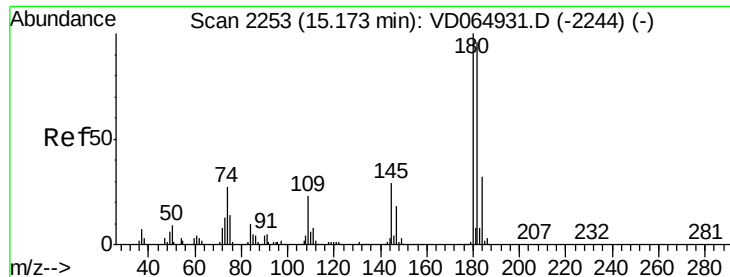
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.192 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.8	44.9	134.7
157	117.7	58.9	176.6





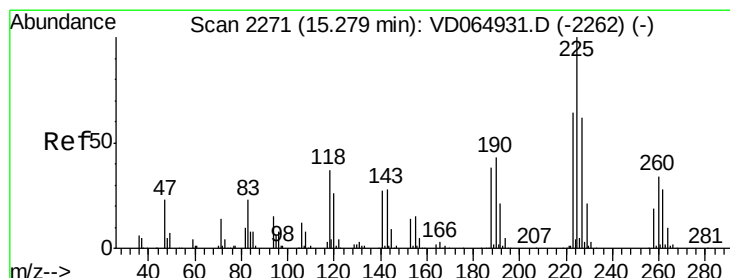
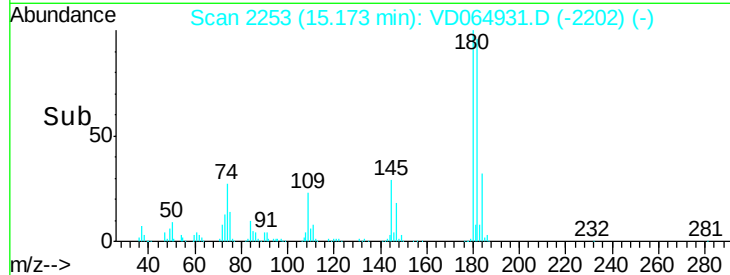
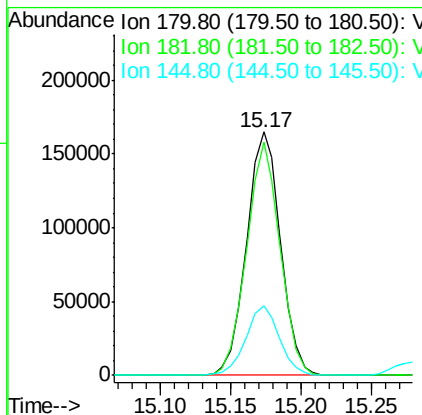
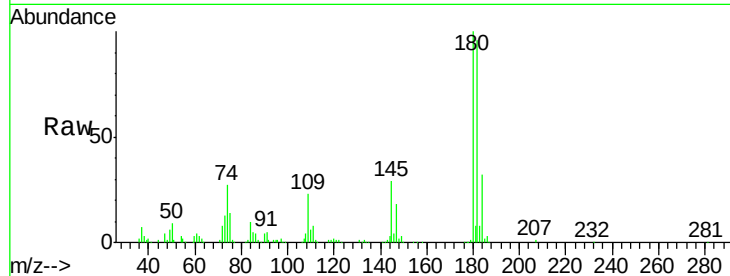
#93
 1,2,4-Trichlorobenzene
 Concen: 46.341 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	278183		
182	94.3		47.1	141.4
145	28.2		14.1	42.3

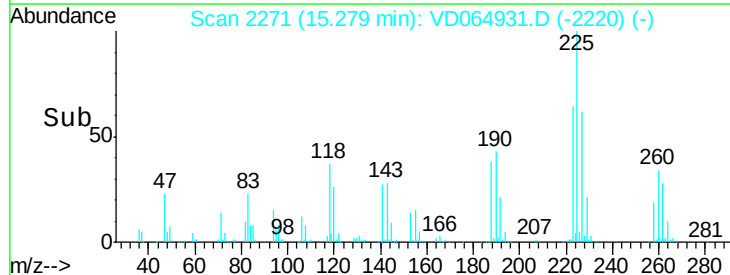
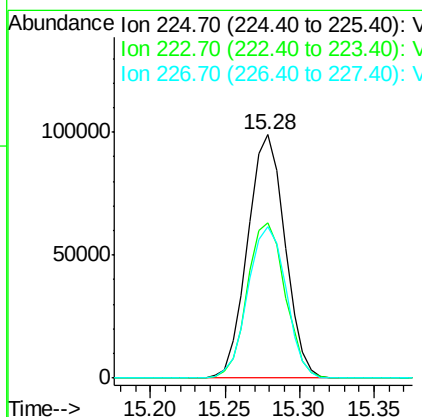
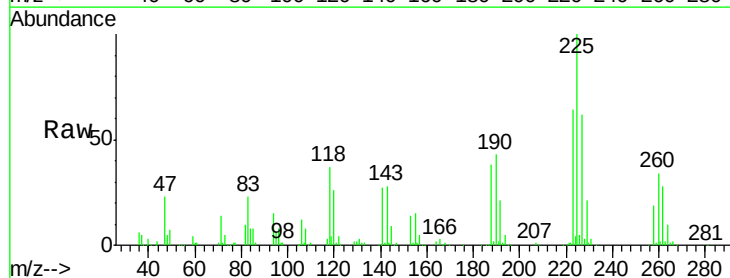
Manual Integrations
 APPROVED

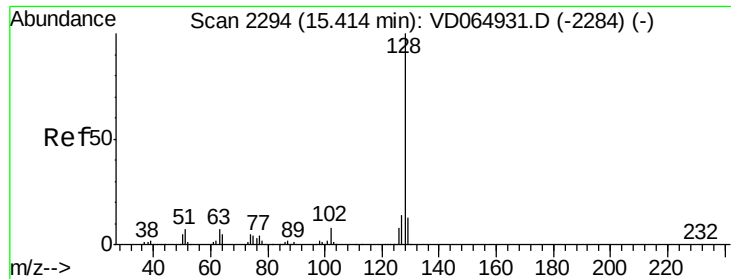
MMDadoda
 1/24/2020 4:01:57 PM



#94
 Hexachlorobutadiene
 Concen: 45.294 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064931.D
 Acq: 23 Jan 2020 12:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	170901		
223	64.8		32.4	97.2
227	63.9		31.9	95.9





#95

Naphthalene

Concen: 48.754 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Instrument :

MSVOA_D

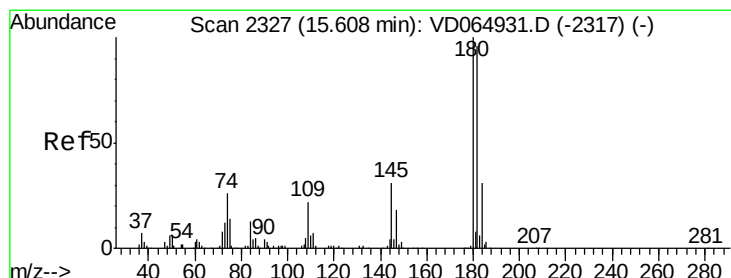
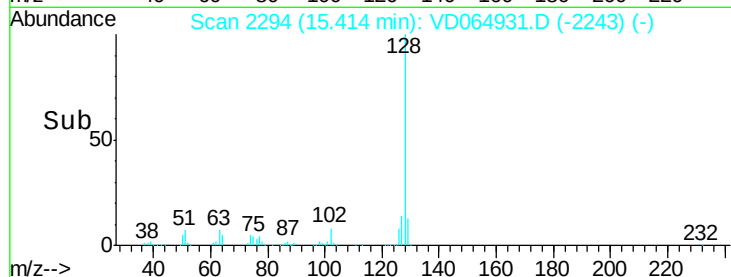
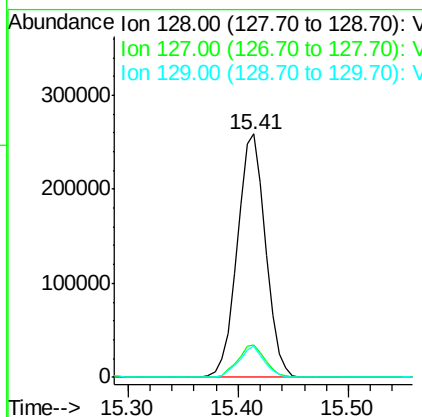
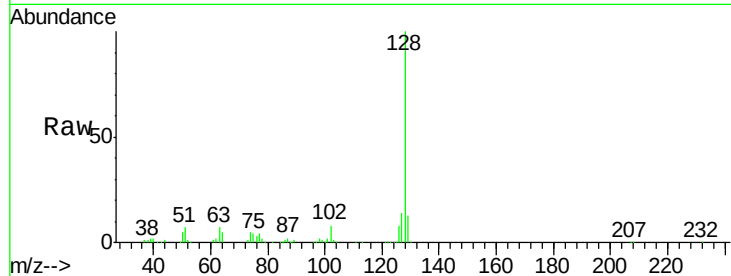
ClientSampleId :

VSTDICCC050

Tot Ion:128	Resp:	464373
Ion Ratio	Lower	Upper
128 100		
127 13.2	10.6	15.8
129 11.6	9.3	13.9

Manual Integrations
APPROVED

MMDadoda
1/24/2020 4:01:57 PM



#96

1,2,3-Trichlorobenzene

Concen: 47.337 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064931.D

Acq: 23 Jan 2020 12:21

Tgt Ion:180	Resp:	243422
Ion Ratio	Lower	Upper
180 100		
182 94.5	47.3	141.8
145 29.2	14.6	43.8

