

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
 Data File : VD064124.D
 Acq On : 30 Oct 2019 20:46
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:39:25 PM

Quant Time: Oct 31 05:03:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	222342	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	338956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	343642	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	194095	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	94563	53.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.96%	
35) Dibromofluoromethane	7.92	113	105912	50.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.58%	
50) Toluene-d8	10.34	98	422740	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
62) 4-Bromofluorobenzene	12.64	95	146460	52.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	107328	47.273	ug/l	96
3) Chloromethane	2.21	50	182517	48.182	ug/l	98
4) Vinyl Chloride	2.35	62	195130	47.501	ug/l	96
5) Bromomethane	2.77	94	141430	52.829	ug/l	93
6) Chloroethane	2.92	64	132180	51.806	ug/l	90
7) Trichlorofluoromethane	3.27	101	277669	49.102	ug/l	99
8) Diethyl Ether	3.71	74	49982	50.849	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	96223	47.217	ug/l	99
10) Methyl Iodide	4.30	142	140373	55.597	ug/l	100
11) Tert butyl alcohol	5.25	59	24406	240.114	ug/l	95
12) 1,1-Dichloroethene	4.06	96	92988	48.212	ug/l	90
13) Acrolein	3.93	56	22049	195.556	ug/l	93
14) Allyl chloride	4.71	41	119024	52.725	ug/l	99
15) Acrylonitrile	5.43	53	95995	264.386	ug/l	98
16) Acetone	4.16	43	78542	233.441	ug/l	94
17) Carbon Disulfide	4.40	76	305247	51.501	ug/l	98
18) Methyl Acetate	4.73	43	51790	57.868	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	210927	53.894	ug/l	94
20) Methylene Chloride	4.96	84	120106	56.404	ug/l	# 90
21) trans-1,2-Dichloroethene	5.47	96	111494	51.496	ug/l	96
22) Diisopropyl ether	6.37	45	267503	53.506	ug/l	98
23) Vinyl Acetate	6.31	43	747493	272.763	ug/l	98
24) 1,1-Dichloroethane	6.27	63	177436	52.557	ug/l	99
25) 2-Butanone	7.23	43	119041	255.928	ug/l	95
26) 2,2-Dichloropropane	7.21	77	151868	47.396	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	128516	53.048	ug/l	98
28) Bromochloromethane	7.54	49	68424	51.906	ug/l	97
29) Tetrahydrofuran	7.57	42	75414	277.808	ug/l	97
30) Chloroform	7.71	83	206174	53.369	ug/l	93
31) Cyclohexane	7.99	56	151077	45.933	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	184360	51.267	ug/l	98
36) 1,1-Dichloropropene	8.11	75	152011	47.861	ug/l	97
37) Ethyl Acetate	7.30	43	51143	52.314	ug/l	# 94
38) Carbon Tetrachloride	8.10	117	162199	46.806	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	187300	48.040	ug/l	93
40) Benzene	8.35	78	443614	51.219	ug/l	98
41) Methacrylonitrile	7.53	41	28630	50.747	ug/l #	87
42) 1,2-Dichloroethane	8.43	62	120207	52.542	ug/l	99
43) Isopropyl Acetate	8.46	43	105469	53.383	ug/l	99
44) Trichloroethene	9.11	130	133334	50.792	ug/l	97
45) 1,2-Dichloropropane	9.39	63	100408	50.023	ug/l	92
46) Dibromomethane	9.48	93	59884	49.537	ug/l	93
47) Bromodichloromethane	9.67	83	161885	53.082	ug/l	95
48) Methyl methacrylate	9.46	41	48782	53.393	ug/l	99
49) 1,4-Dioxane	9.47	88	15090	1090.497	ug/l #	91
51) 4-Methyl-2-Pentanone	10.24	43	291019	270.571	ug/l	100
52) Toluene	10.41	92	312355	51.461	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	152426	53.542	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	178675	53.347	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	90645	52.887	ug/l	96
56) Ethyl methacrylate	10.67	69	103875	49.871	ug/l	97
57) 1,3-Dichloropropane	10.95	76	147986	52.207	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	217466	289.611	ug/l	99
59) 2-Hexanone	10.99	43	202269	240.266	ug/l	99
60) Dibromochloromethane	11.14	129	123437	53.061	ug/l	99
61) 1,2-Dibromoethane	11.25	107	91295	53.257	ug/l	94
64) Tetrachloroethene	10.88	164	123693	50.104	ug/l	93
65) Chlorobenzene	11.67	112	358703	50.518	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	135160	50.872	ug/l	98
67) Ethyl Benzene	11.75	91	636584	50.406	ug/l	96
68) m/p-Xylenes	11.86	106	514565	101.296	ug/l	99
69) o-Xylene	12.18	106	242202	52.244	ug/l	98
70) Styrene	12.20	104	423522	52.969	ug/l	99
71) Bromoform	12.36	173	75146	52.959	ug/l #	98
73) Isopropylbenzene	12.48	105	656395	48.666	ug/l	98
74) N-amyl acetate	12.29	43	116545	52.013	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	105778	49.756	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	70866m	54.336	ug/l	
77) Bromobenzene	12.77	156	163206	50.117	ug/l	97
78) n-propylbenzene	12.83	91	755909	47.824	ug/l	98
79) 2-Chlorotoluene	12.91	91	418789	49.427	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	565204	50.071	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31677	49.603	ug/l	96
82) 4-Chlorotoluene	13.01	91	453617	50.104	ug/l	99
83) tert-Butylbenzene	13.23	119	495920	48.913	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	573804	50.602	ug/l	100
85) sec-Butylbenzene	13.41	105	683666	49.102	ug/l	99
86) p-Isopropyltoluene	13.52	119	660334	50.476	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337760	51.756	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	321583	49.988	ug/l	100
89) n-Butylbenzene	13.85	91	594248	49.249	ug/l	98
90) Hexachloroethane	14.11	117	121065	49.429	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	287234	51.143	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	16459	53.010	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	204985	50.775	ug/l	96
94) Hexachlorobutadiene	15.28	225	118102	50.054	ug/l	99
95) Naphthalene	15.41	128	346144	52.573	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173487	49.612	ug/l	97

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

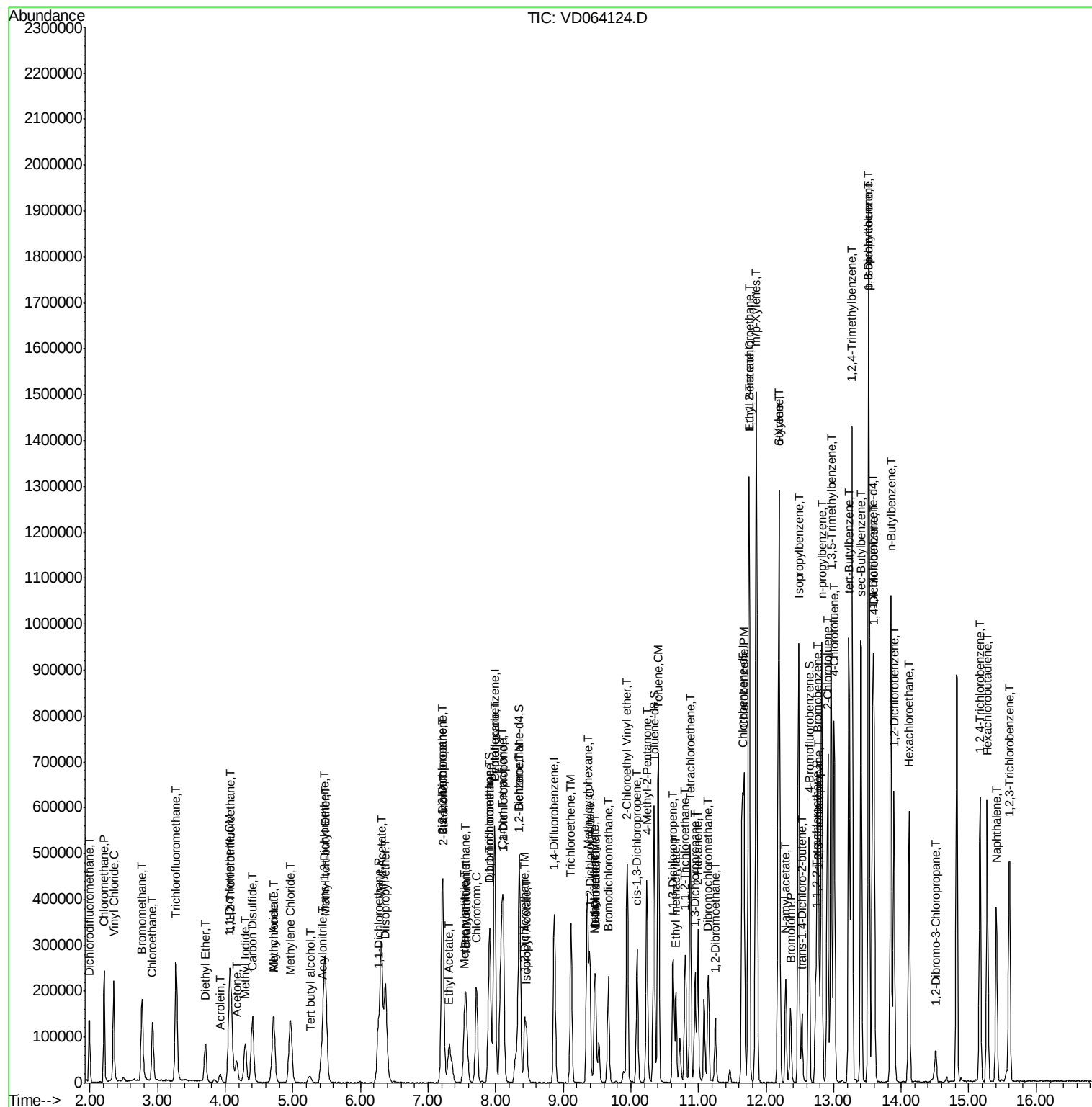
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
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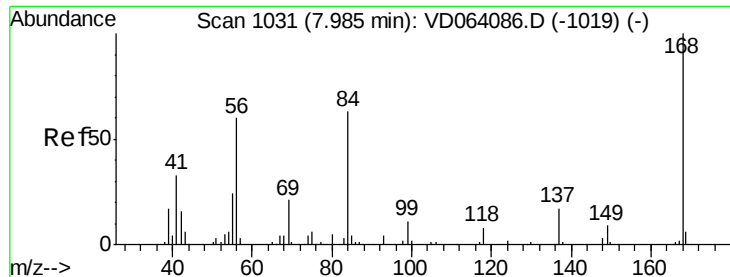
Instrument :
MSVOA_D
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 222342

Ion Ratio Lower Upper

168 100

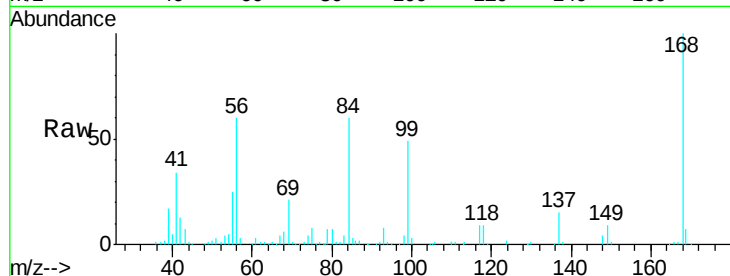
99 48.4 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

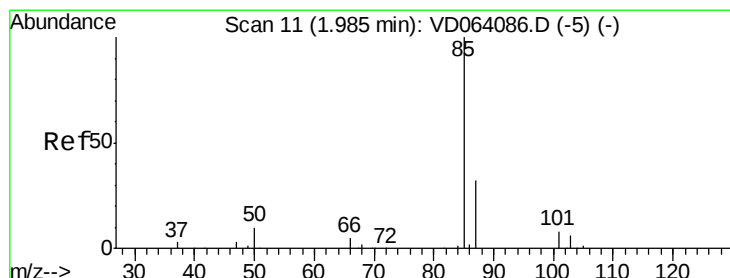
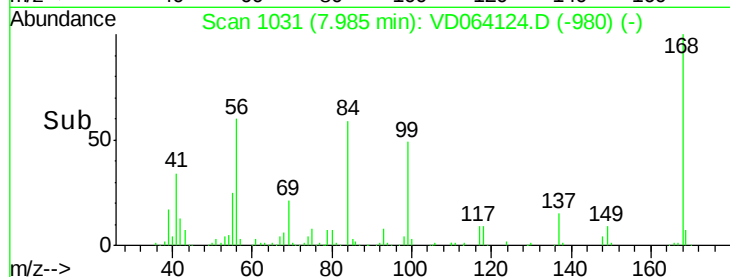
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 47.273 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064124.D

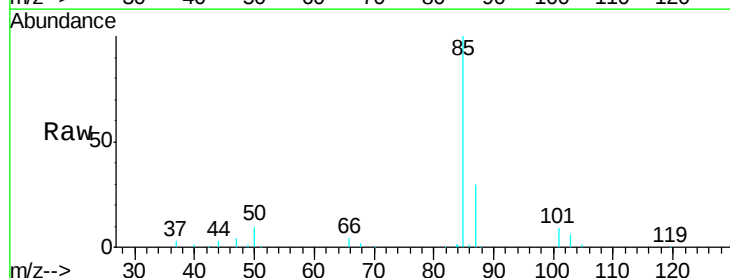
Acq: 30 Oct 2019 20:46

Tgt Ion: 85 Resp: 107328

Ion Ratio Lower Upper

85 100

87 29.5 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

40000

20000

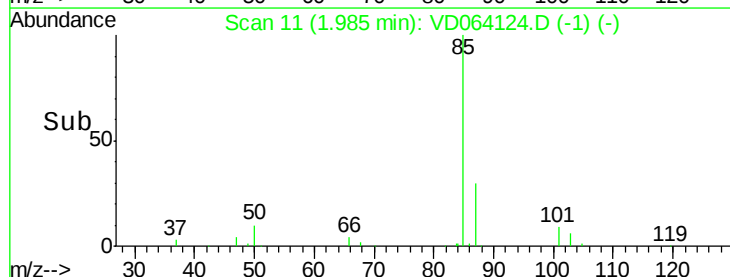
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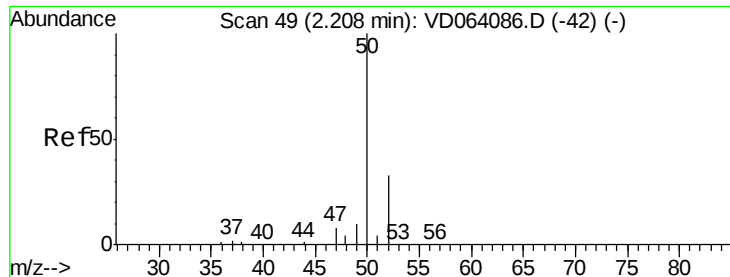
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 48.182 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 182517

Ion Ratio Lower Upper

50 100

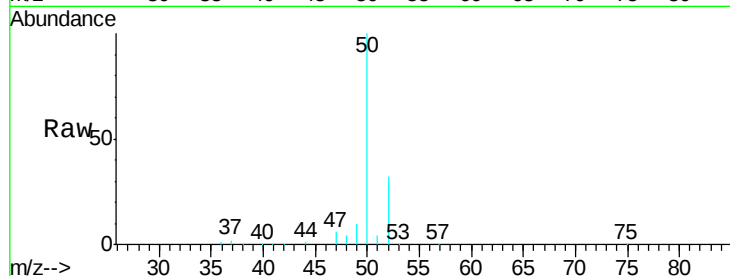
52 32.2 26.5 39.7

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

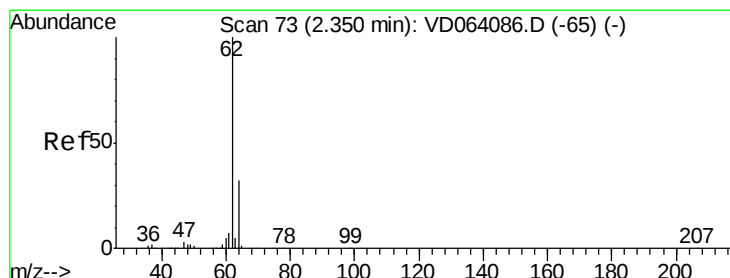
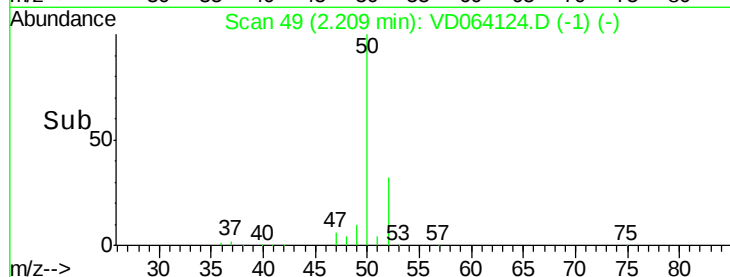
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 47.501 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064124.D

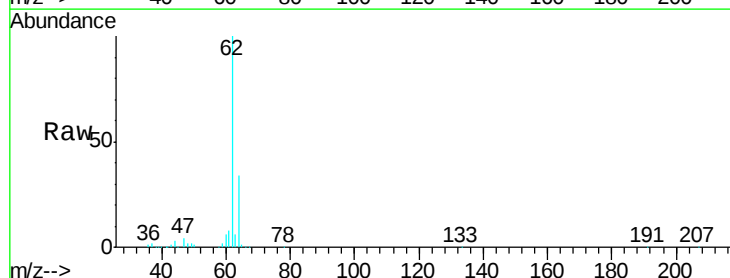
Acq: 30 Oct 2019 20:46

Tgt Ion: 62 Resp: 195130

Ion Ratio Lower Upper

62 100

64 34.0 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

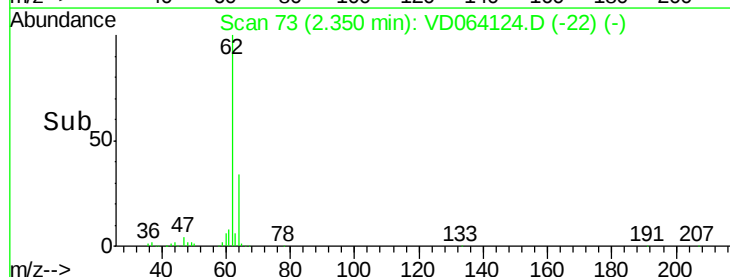
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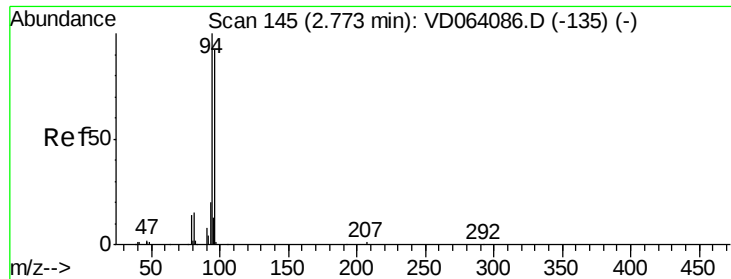
100000

50000

0

Time-->





#5

Bromomethane

Concen: 52.829 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 141430

Ion Ratio Lower Upper

94 100

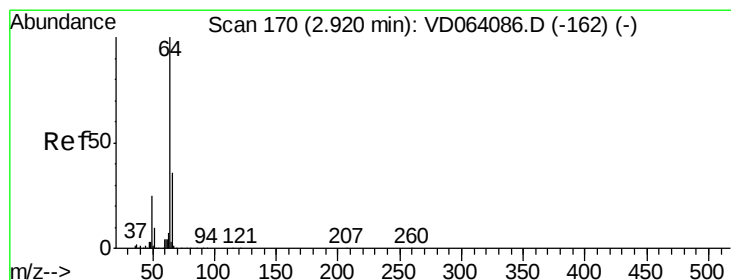
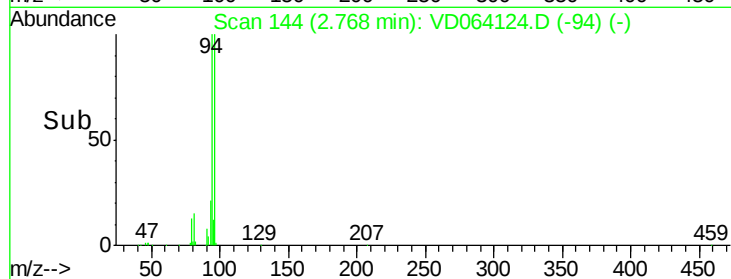
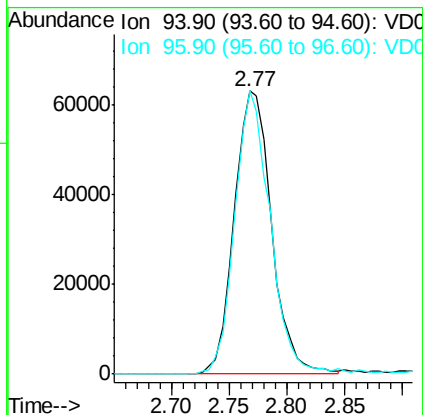
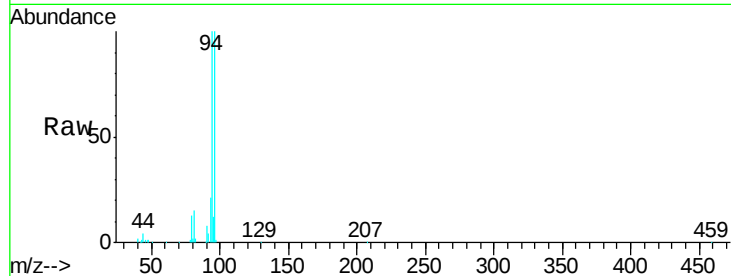
96 99.5 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 51.806 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064124.D

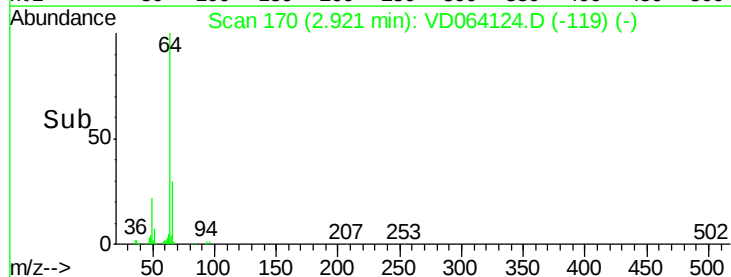
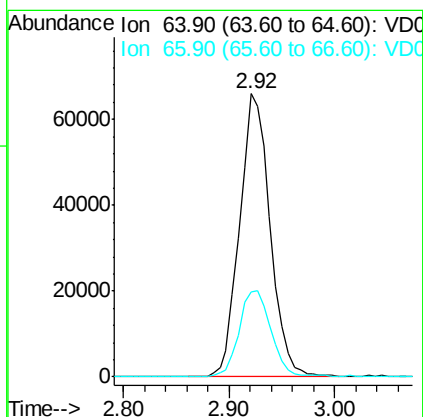
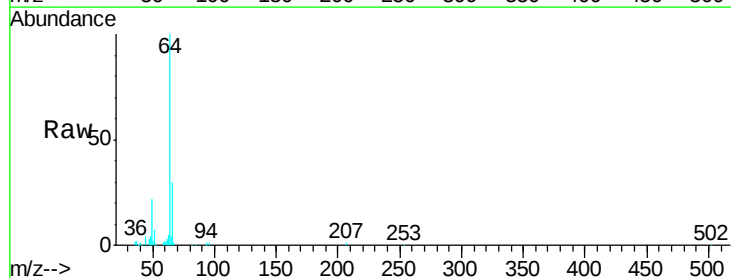
Acq: 30 Oct 2019 20:46

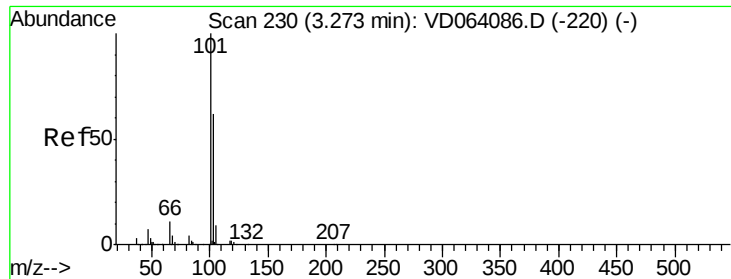
Tgt Ion: 64 Resp: 132180

Ion Ratio Lower Upper

64 100

66 30.0 28.7 43.1





#7

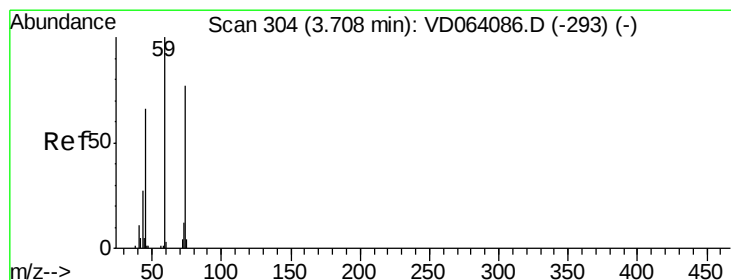
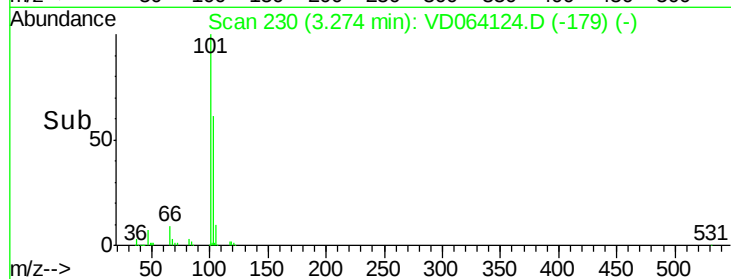
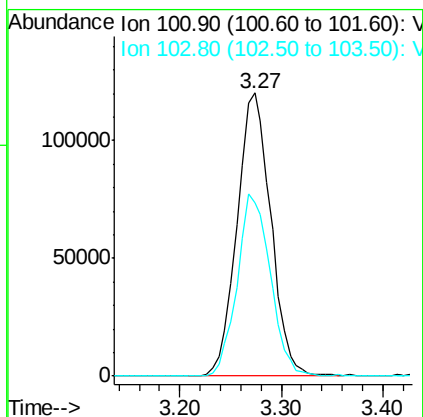
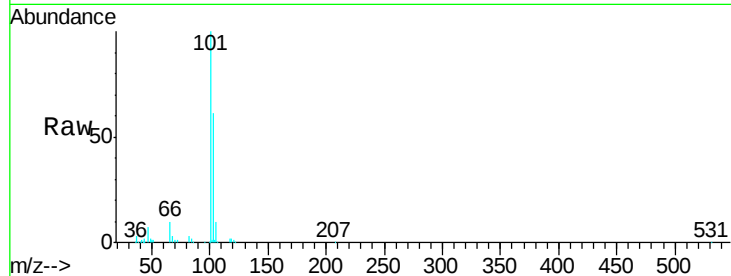
Trichlorofluoromethane
 Concen: 49.102 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
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 ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
101	100		
103	61.1	49.6	74.4

Manual Integrations
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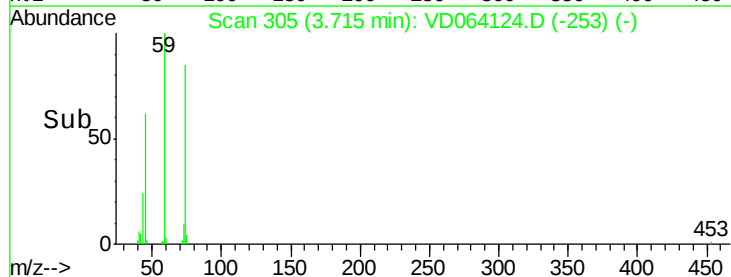
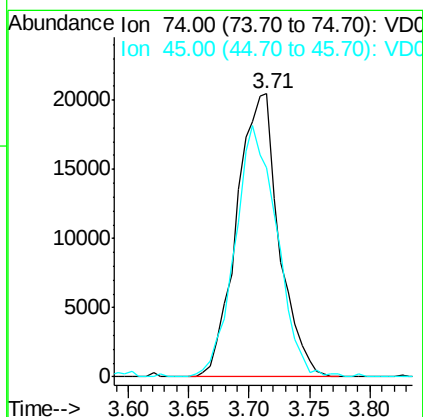
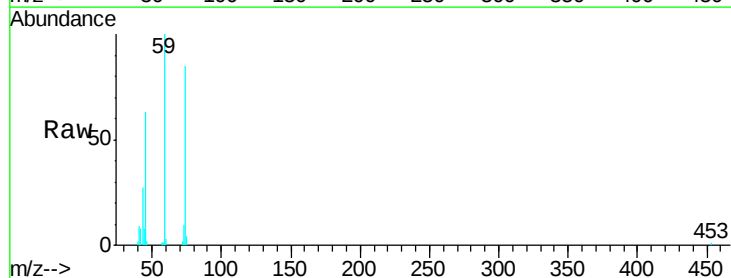
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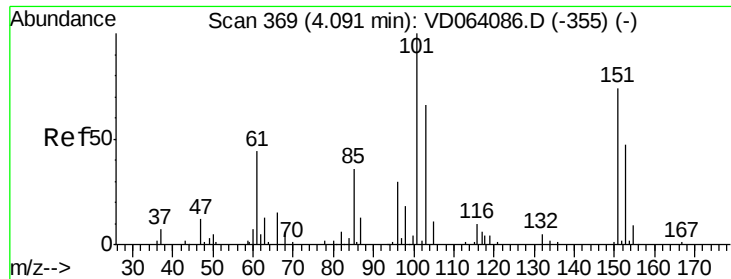


#8

Diethyl Ether
 Concen: 50.849 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	88.4	44.1	132.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.217 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

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MSVOA_D

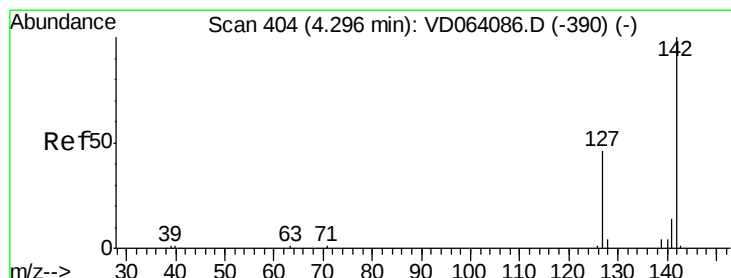
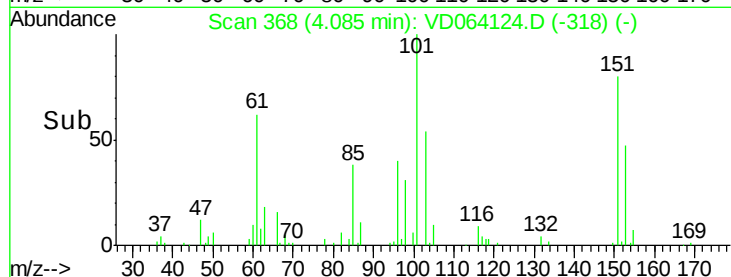
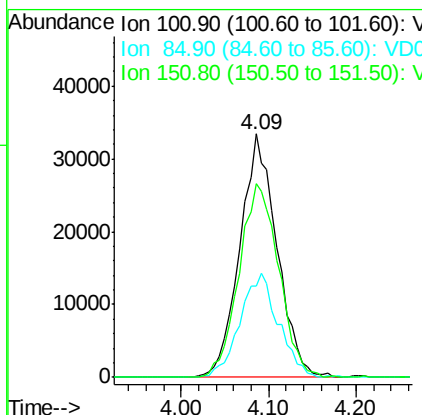
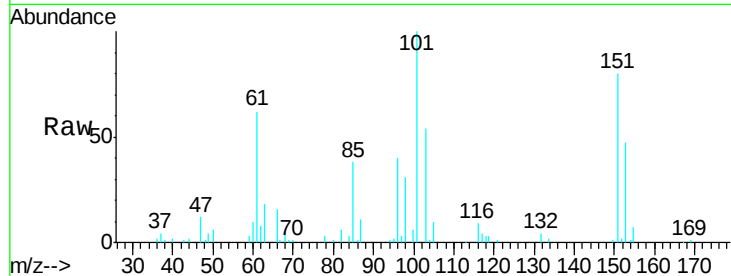
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	96223
Ion Ratio	Lower	Upper	
101	100		
85	44.3	35.3	52.9
151	85.4	67.0	100.6

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#10

Methyl Iodide

Concen: 55.597 ug/l

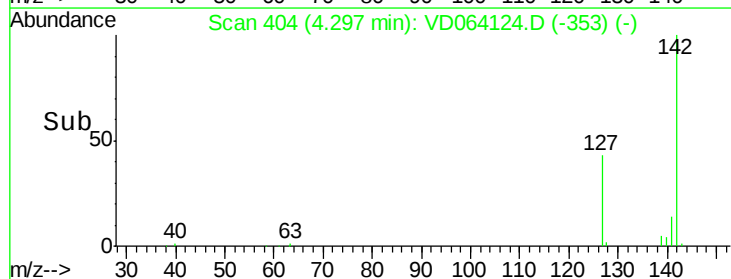
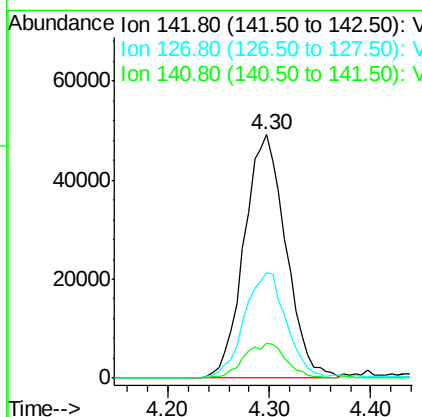
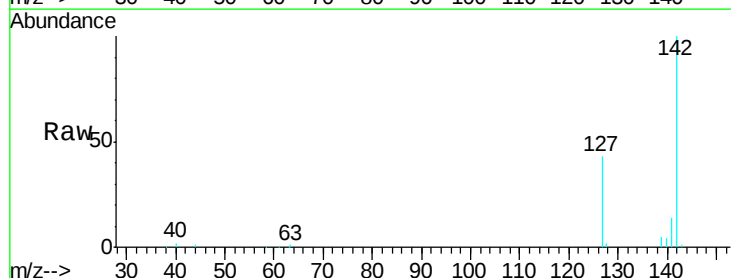
RT: 4.30 min Scan# 404

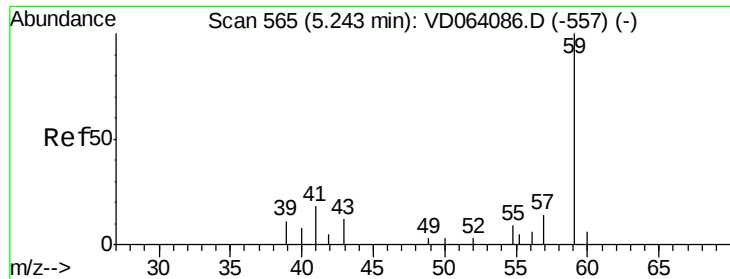
Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Tgt Ion:	142	Resp:	140373
Ion Ratio	Lower	Upper	
142	100		
127	44.1	35.1	52.7
141	14.5	11.6	17.4





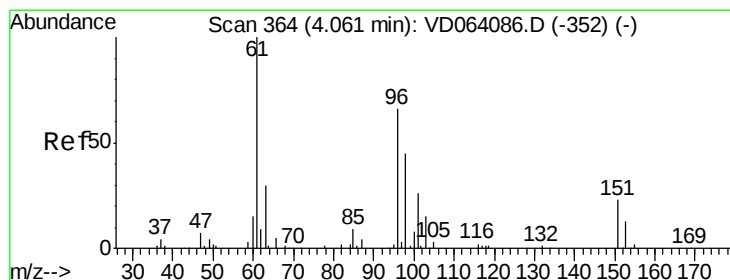
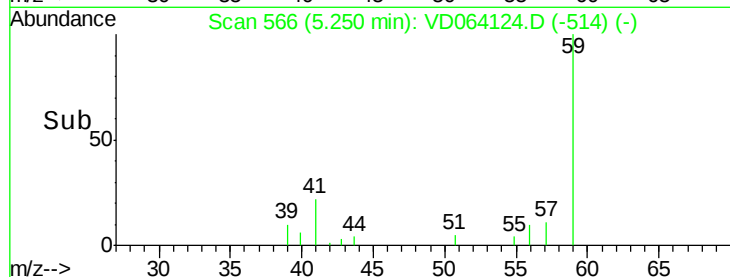
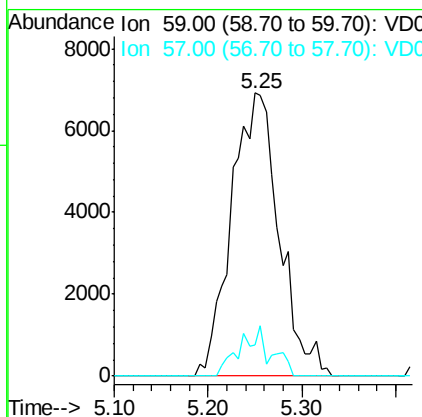
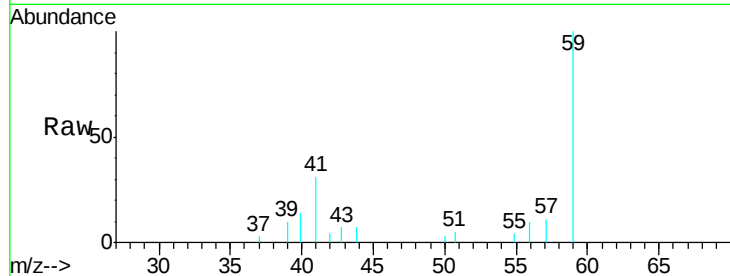
#11
Tert butyl alcohol
Concen: 240.114 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	24406		
57	9.1	8.7	13.1	

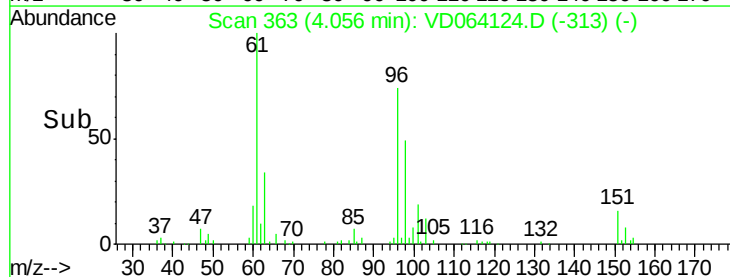
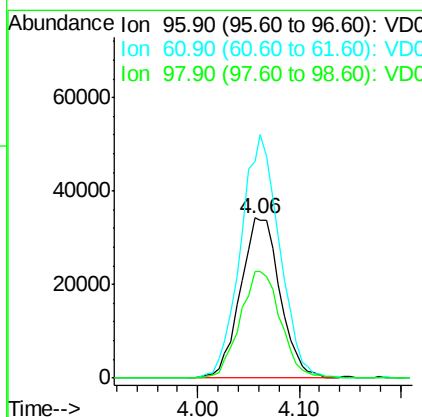
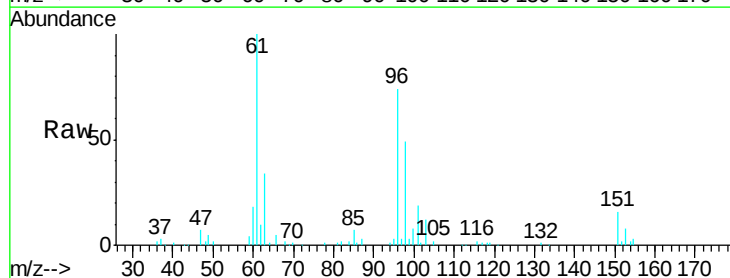
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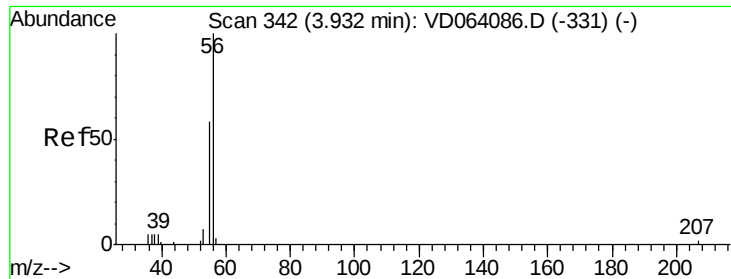
MMDadoda
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#12
1,1-Dichloroethene
Concen: 48.212 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	92988		
61	135.7	121.8	182.6	
98	67.0	55.4	83.0	





#13

Acrolein

Concen: 195.556 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 22049

Ion Ratio Lower Upper

56 100

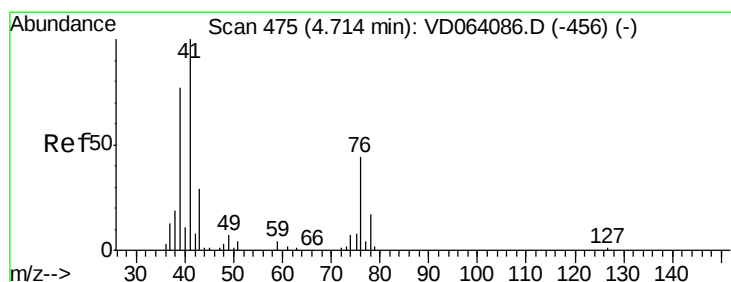
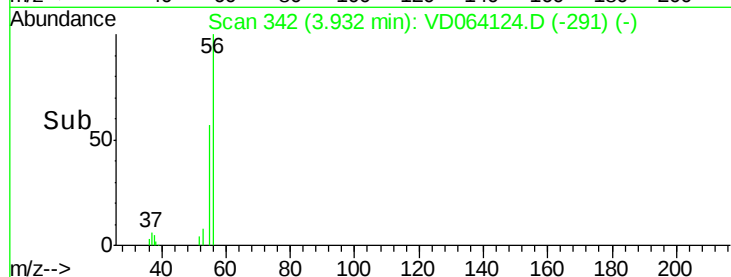
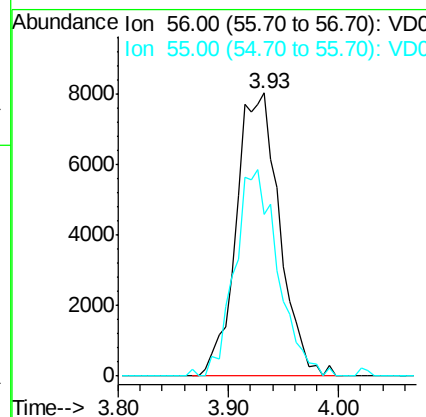
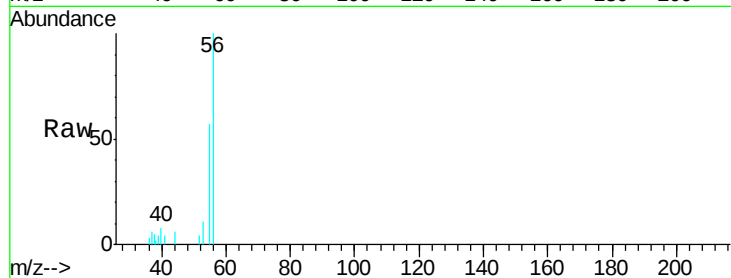
55 72.7 53.8 80.6

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#14

Allyl chloride

Concen: 52.725 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

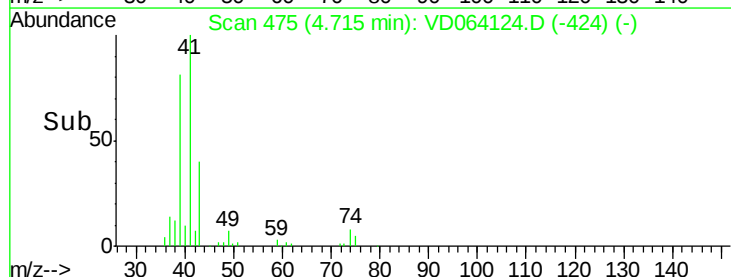
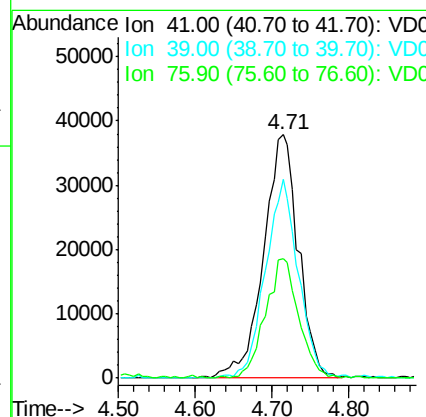
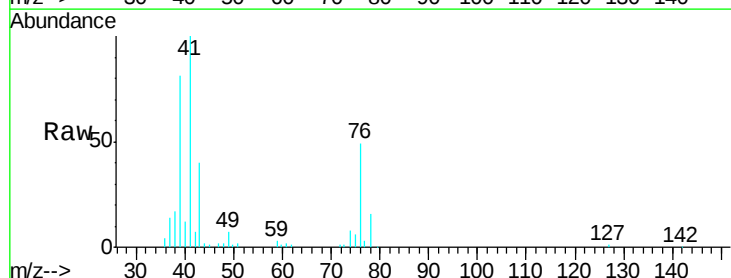
Tgt Ion: 41 Resp: 119024

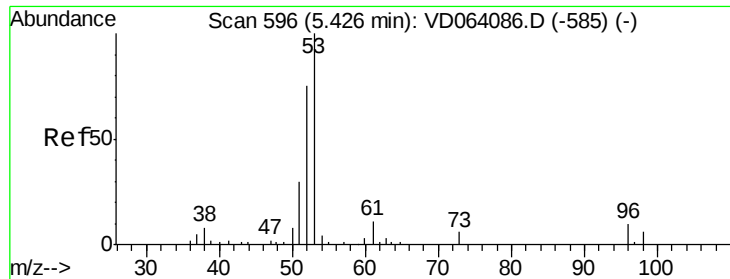
Ion Ratio Lower Upper

41 100

39 77.4 61.5 92.3

76 46.6 36.2 54.4





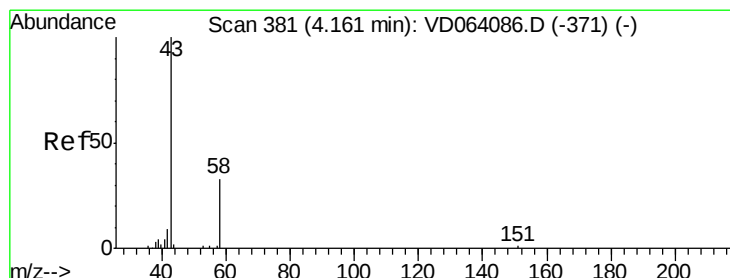
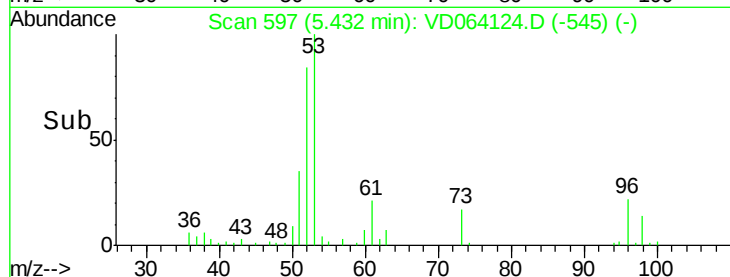
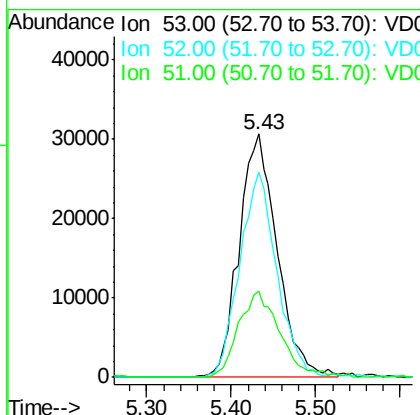
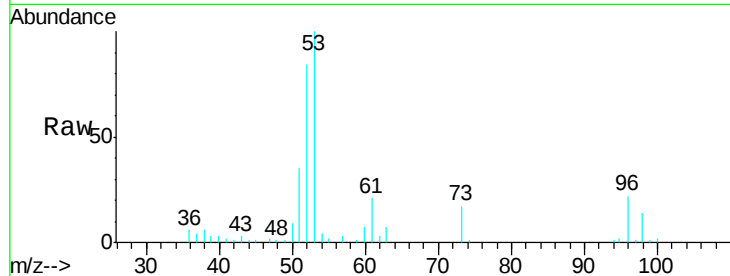
#15
 Acrylonitrile
 Concen: 264.386 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	82.2	66.2	99.4
51	38.5	29.0	43.6

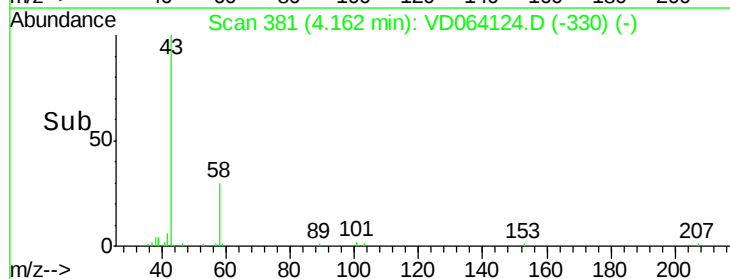
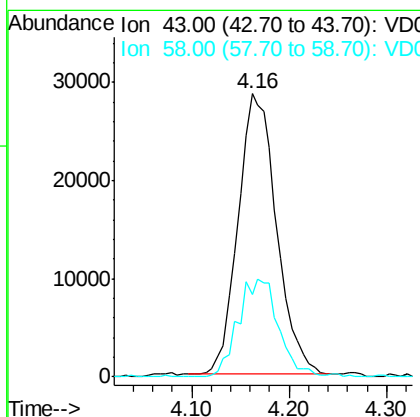
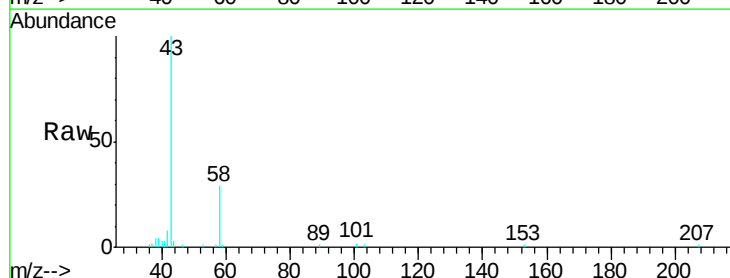
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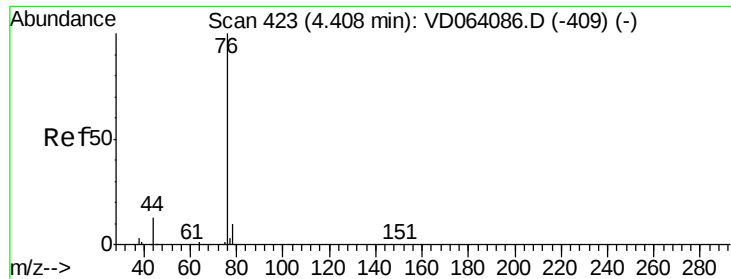
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#16
 Acetone
 Concen: 233.441 ug/l
 RT: 4.16 min Scan# 381
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.5	26.3	39.5





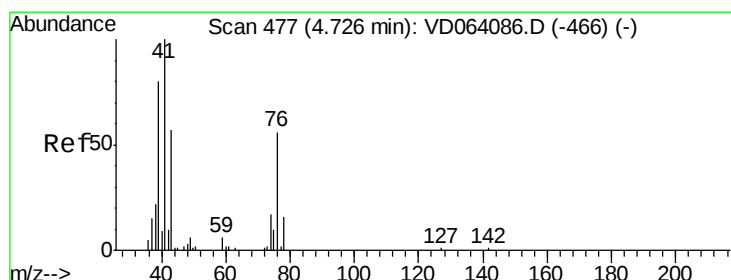
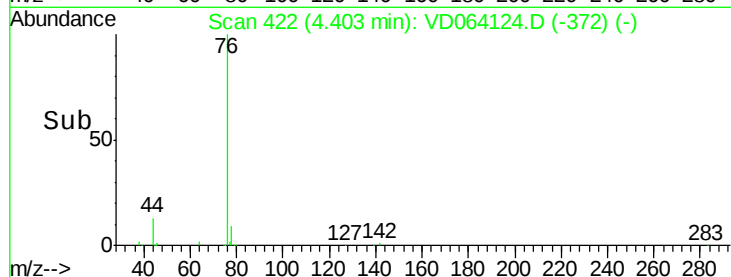
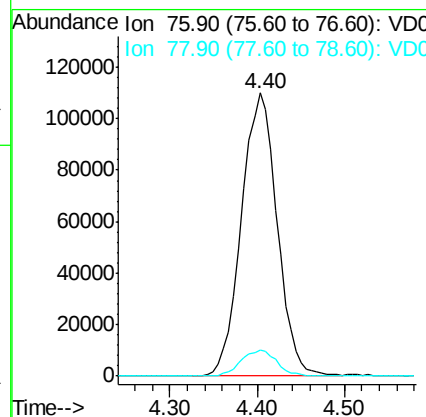
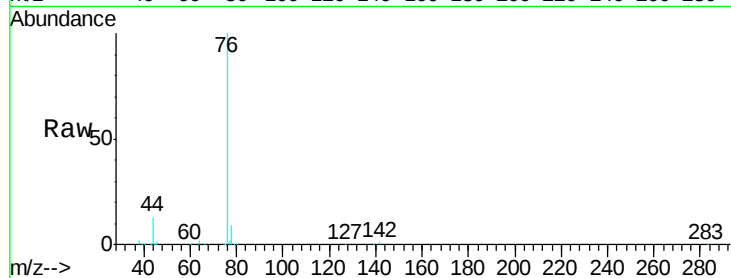
#17
Carbon Disulfide
Concen: 51.501 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 305247
Ion Ratio Lower Upper
76 100
78 9.2 8.1 12.1

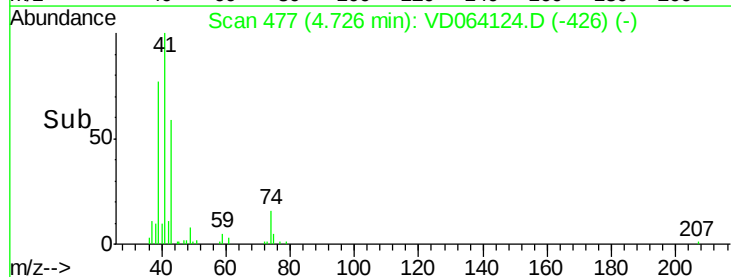
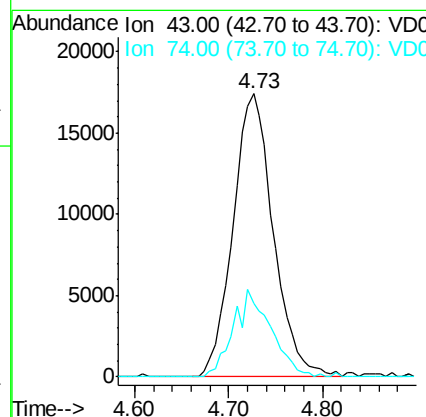
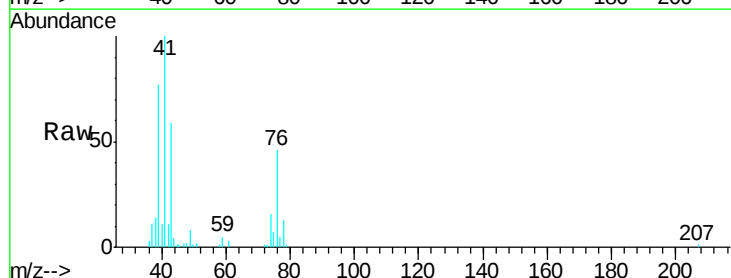
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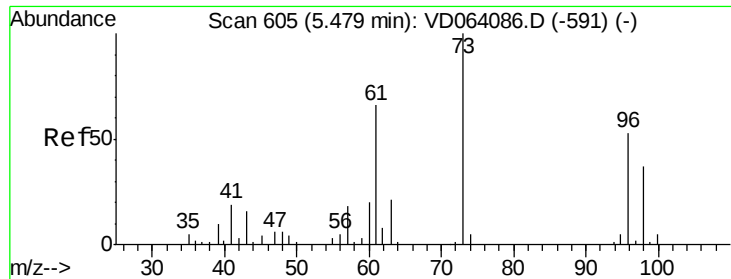
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#18
Methyl Acetate
Concen: 57.868 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 43 Resp: 51790
Ion Ratio Lower Upper
43 100
74 28.7 22.2 33.4





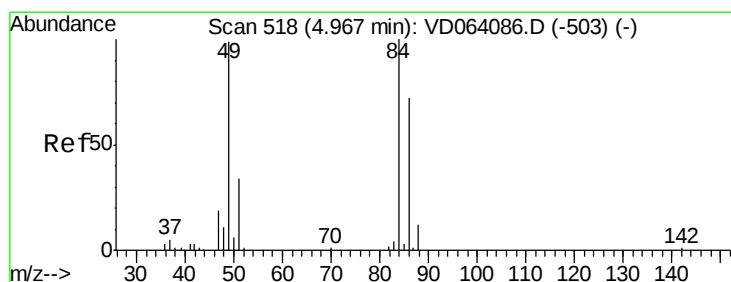
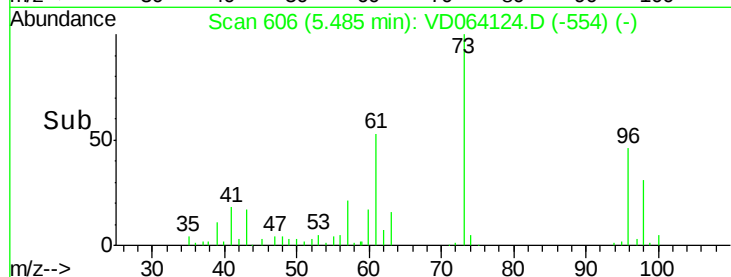
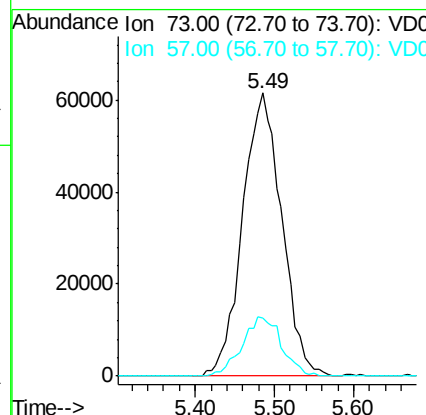
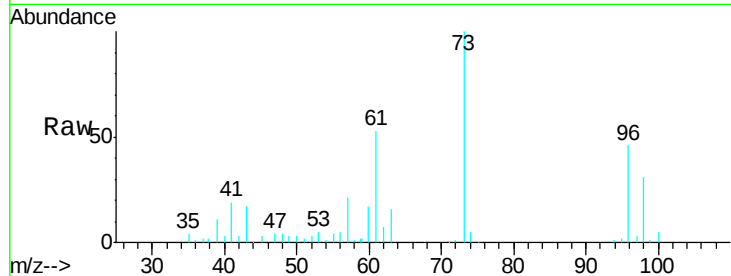
#19
Methyl tert-butyl Ether
Concen: 53.894 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 210927
Ion Ratio Lower Upper
73 100
57 20.7 14.3 21.5

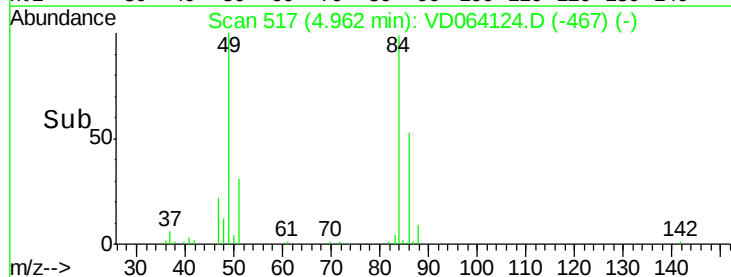
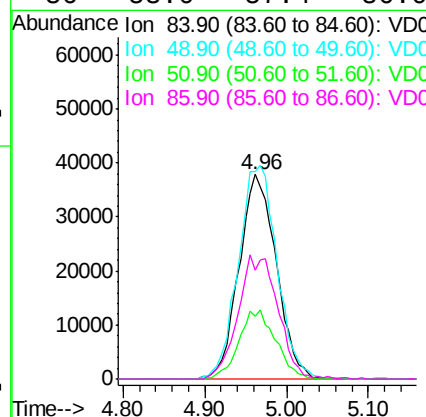
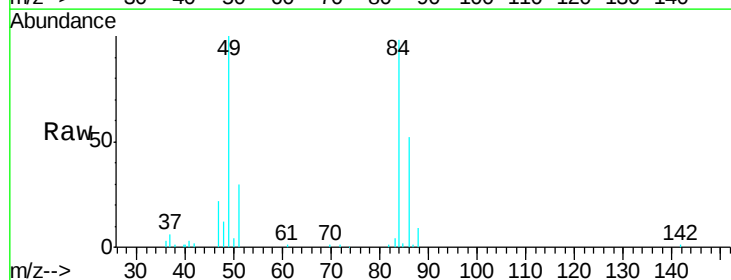
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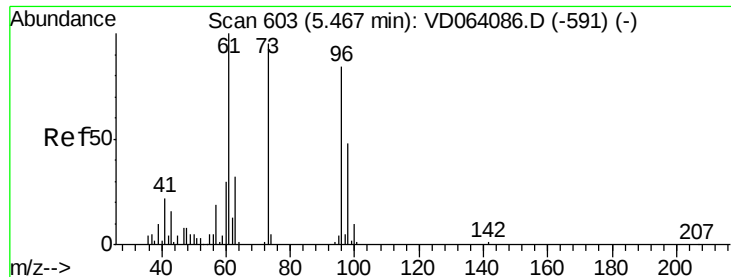
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#20
Methylene Chloride
Concen: 56.404 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 84 Resp: 120106
Ion Ratio Lower Upper
84 100
49 101.6 79.4 119.0
51 30.9 27.4 41.2
86 53.0 57.4 86.0#





#21

trans-1,2-Dichloroethene

Concen: 51.496 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

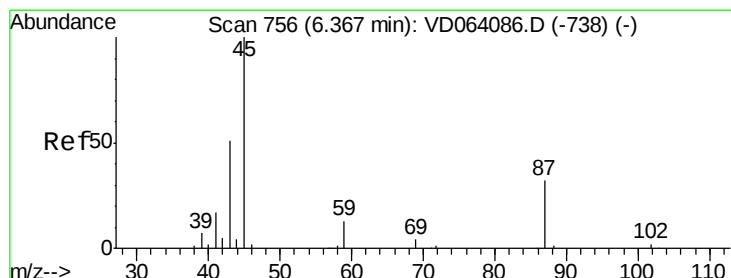
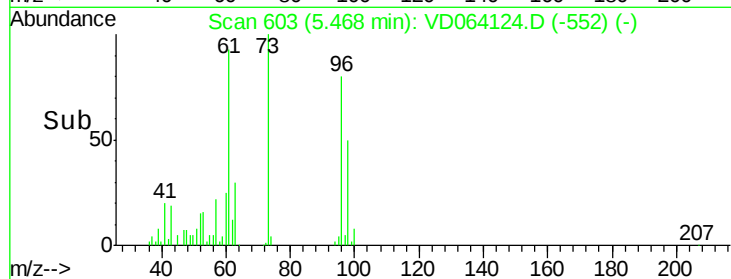
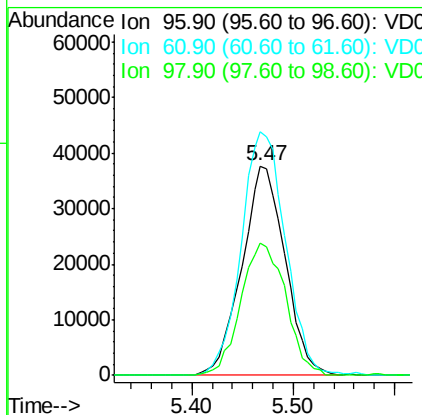
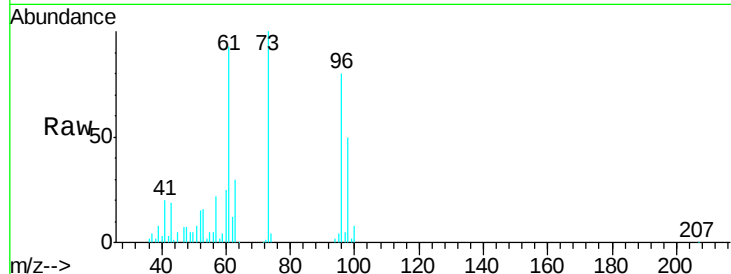
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	111494
Ion	Ratio	Lower	Upper
96	100		
61	116.4	95.0	142.6
98	63.0	45.8	68.8

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#22

Diisopropyl ether

Concen: 53.506 ug/l

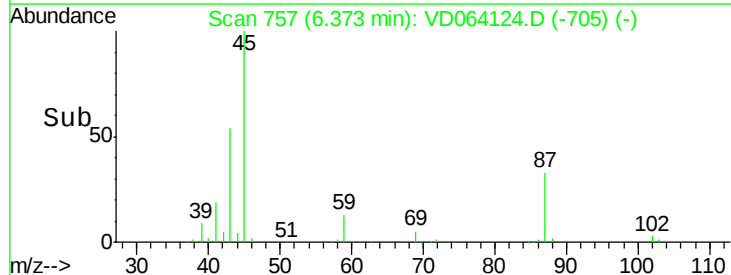
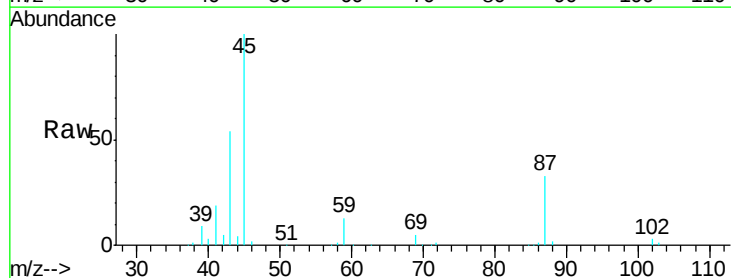
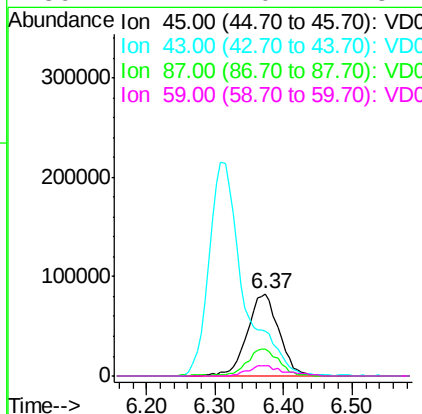
RT: 6.37 min Scan# 757

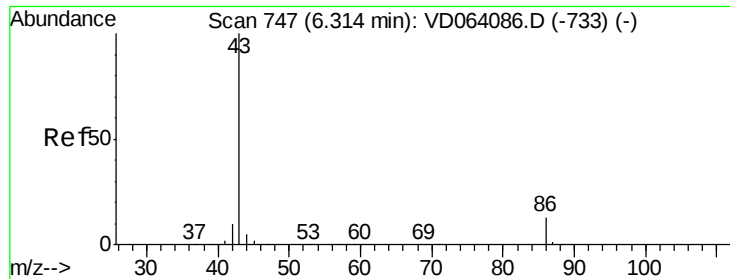
Delta R.T. 0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Tgt Ion:	45	Resp:	267503
Ion	Ratio	Lower	Upper
45	100		
43	53.1	44.3	66.5
87	32.5	26.6	39.8
59	12.7	10.2	15.2





#23

Vinyl Acetate

Concen: 272.763 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 747493

Ion Ratio Lower Upper

43 100

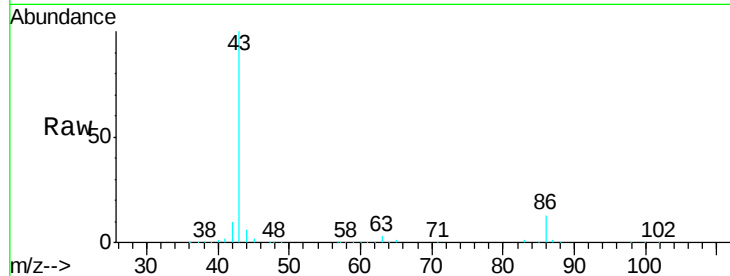
86 12.7 10.7 16.1

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

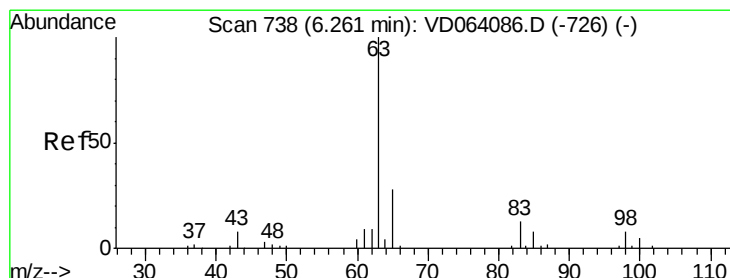
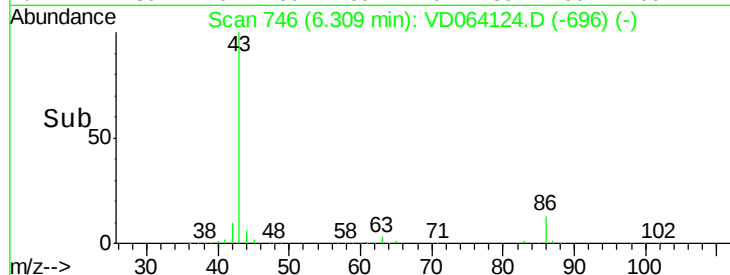
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 52.557 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

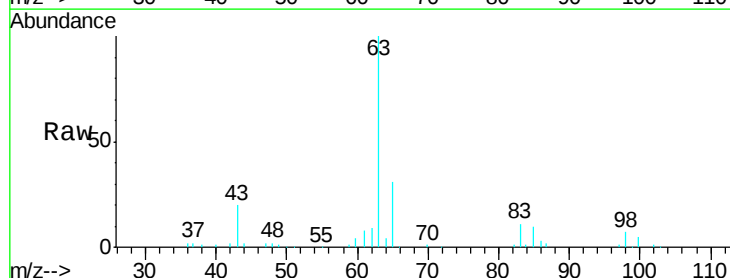
Tgt Ion: 63 Resp: 177436

Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

100 5.1 2.6 7.8



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

80000

60000

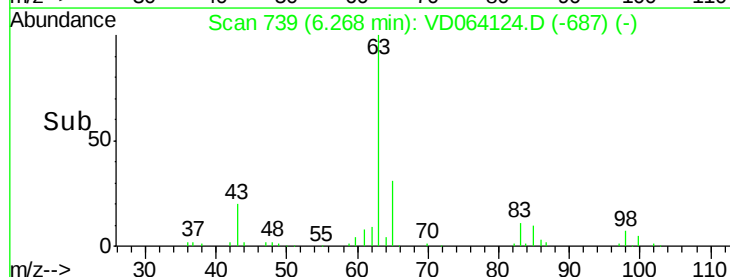
40000

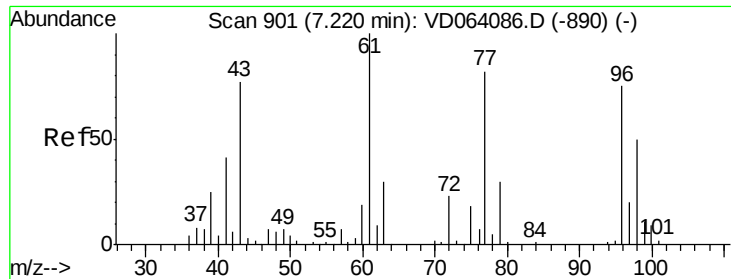
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 255.928 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 119041

Ion Ratio Lower Upper

43 100

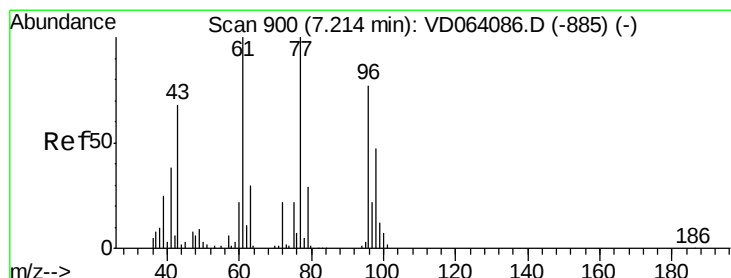
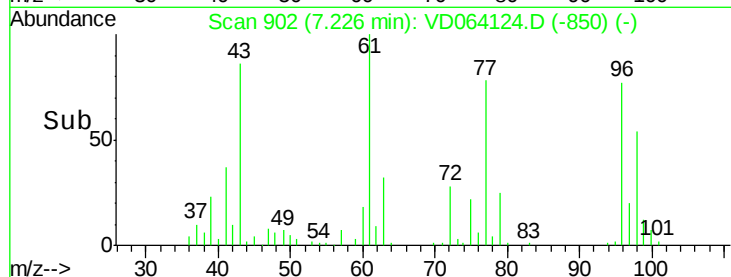
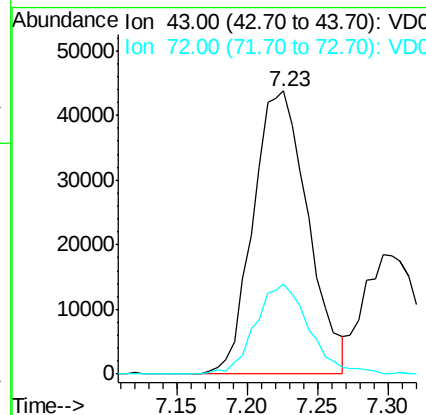
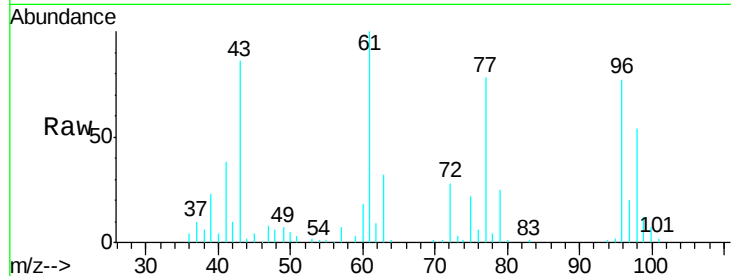
72 31.9 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.396 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064124.D

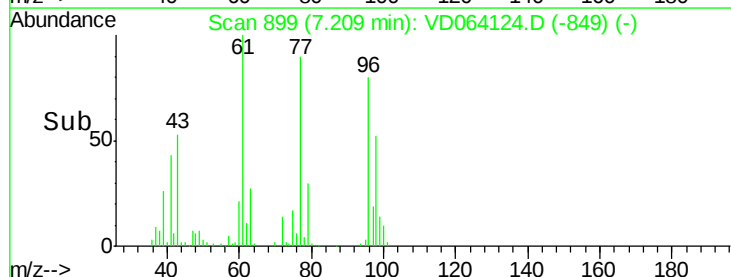
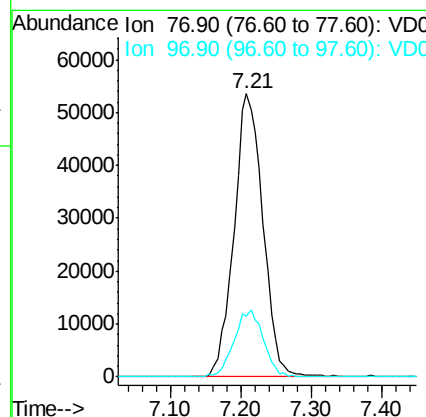
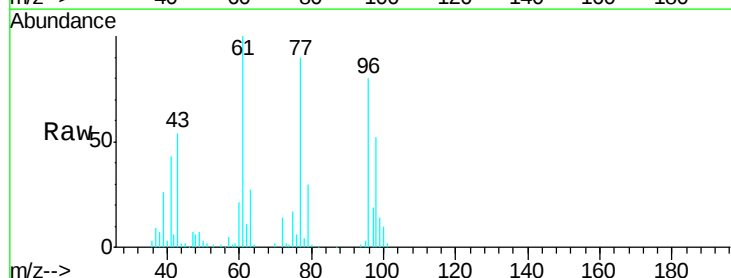
Acq: 30 Oct 2019 20:46

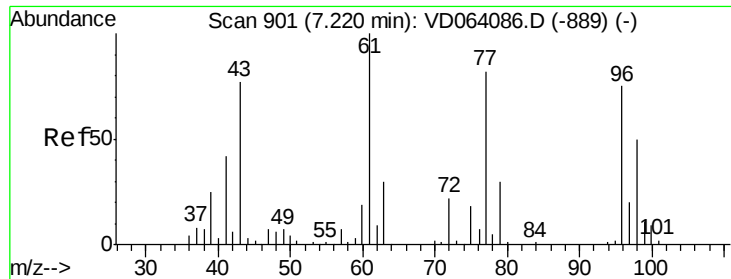
Tgt Ion: 77 Resp: 151868

Ion Ratio Lower Upper

77 100

97 23.9 11.2 33.5





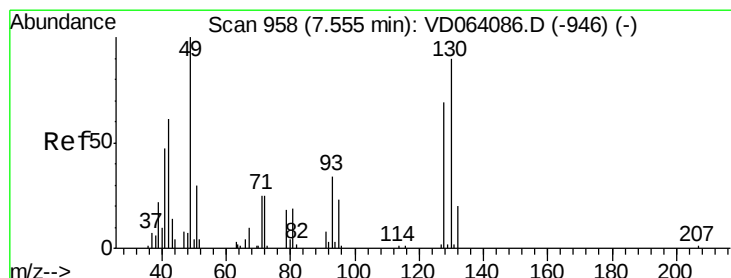
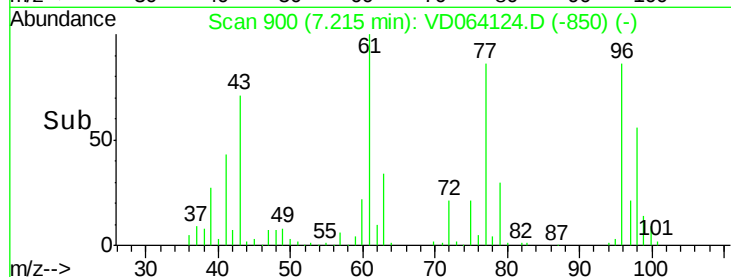
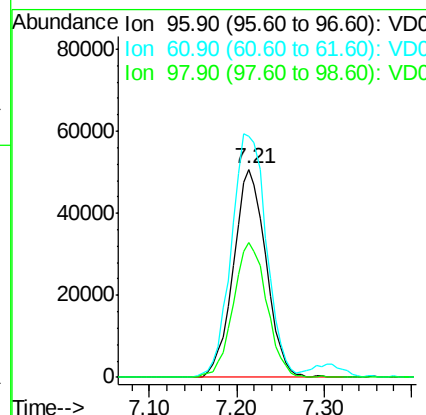
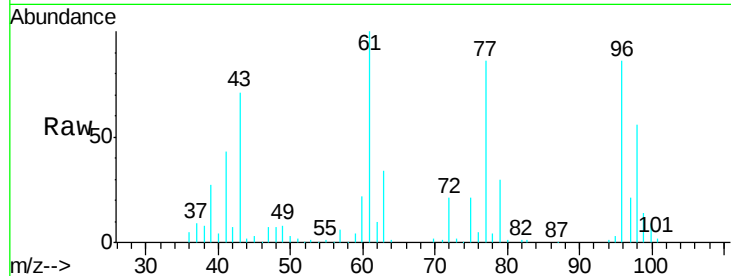
#27
 cis-1,2-Dichloroethene
 Concen: 53.048 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	128516		
61	125.5	0.0	258.0	
98	66.0	0.0	130.8	

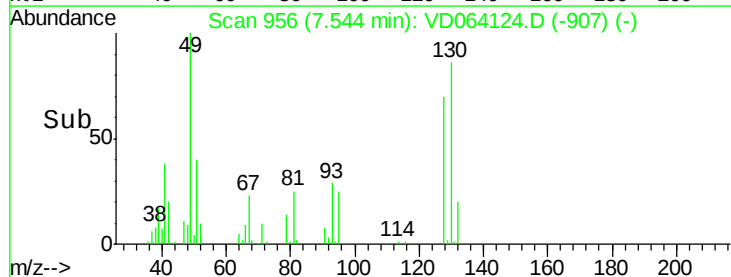
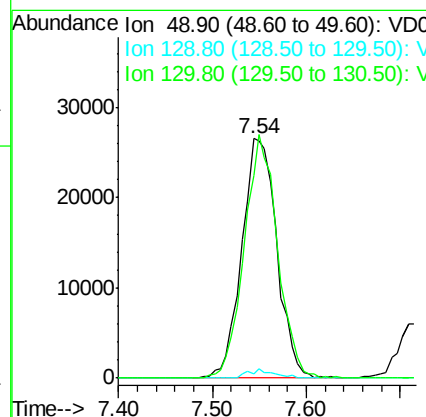
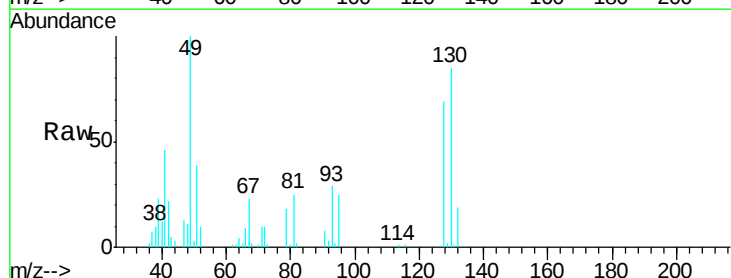
Manual Integrations
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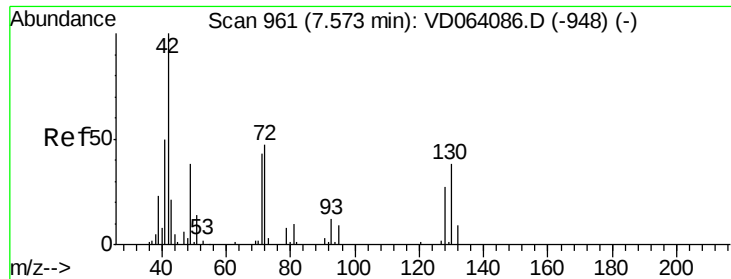
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#28
 Bromochloromethane
 Concen: 51.906 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	68424		
129	2.7	0.0	5.4	
130	96.6	75.3	112.9	





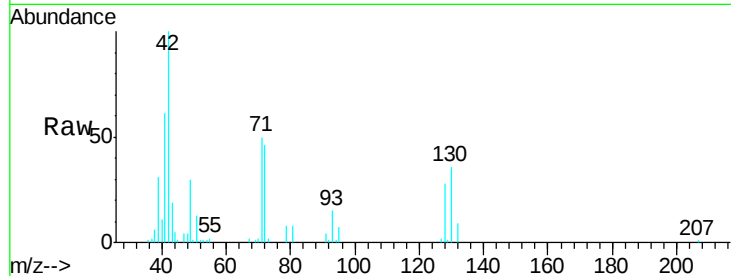
#29
Tetrahydrofuran
Concen: 277.808 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

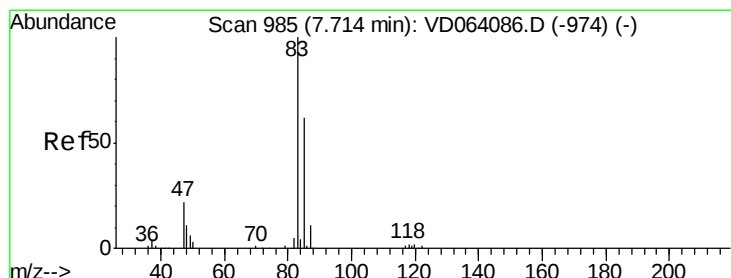
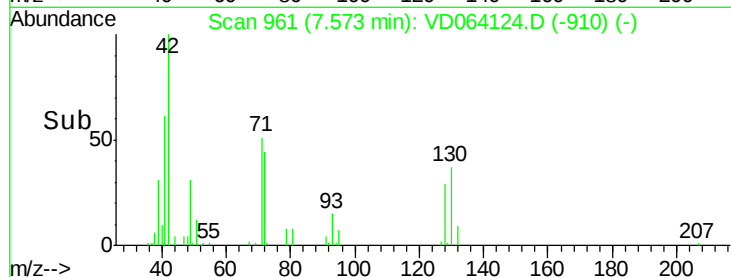
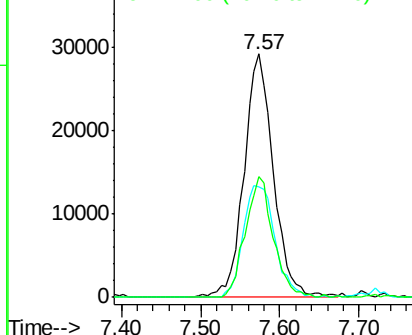
Tgt Ion	Ratio	Lower	Upper
42	100		
72	49.9	38.9	58.3
71	46.9	35.4	53.2

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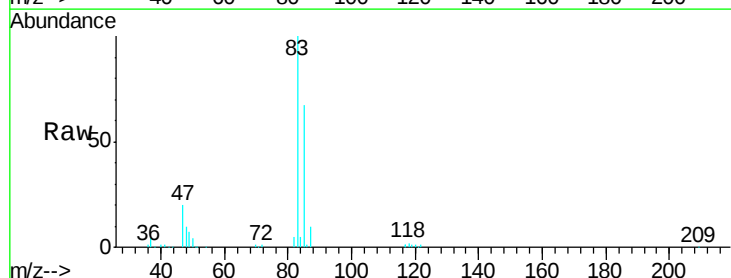


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

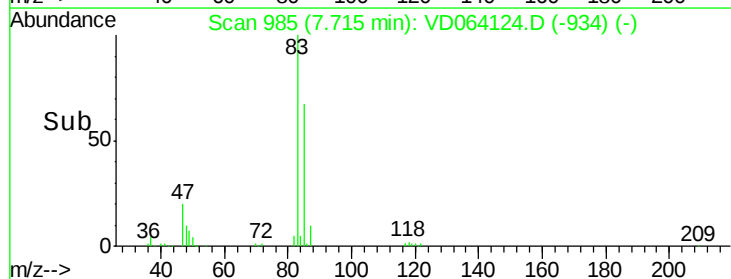
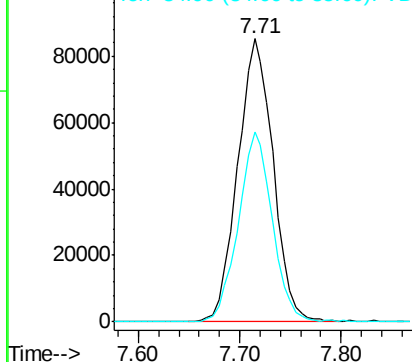


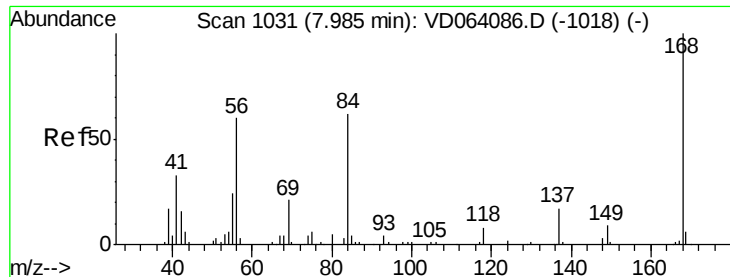
#30
Chloroform
Concen: 53.369 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.3	49.8	74.6



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





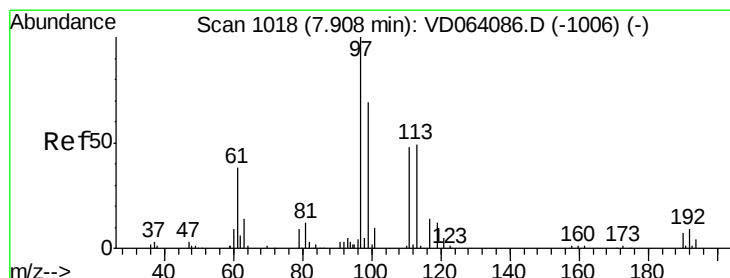
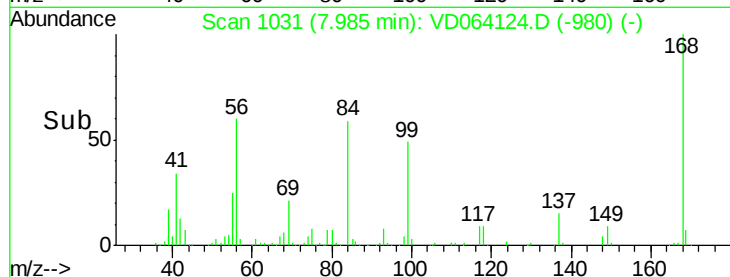
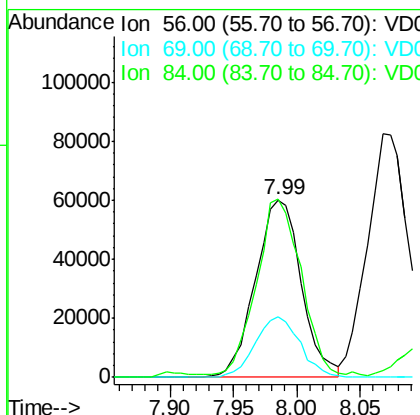
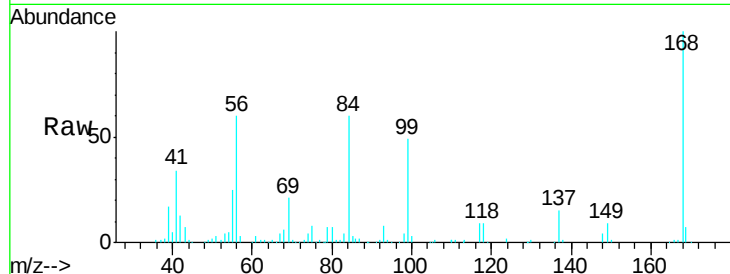
#31
Cyclohexane
Concen: 45.933 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	34.3	27.7	41.5
84	98.9	83.1	124.7

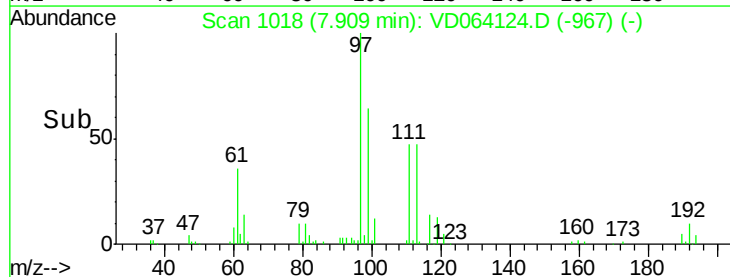
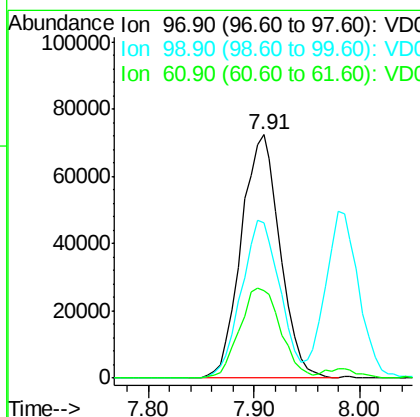
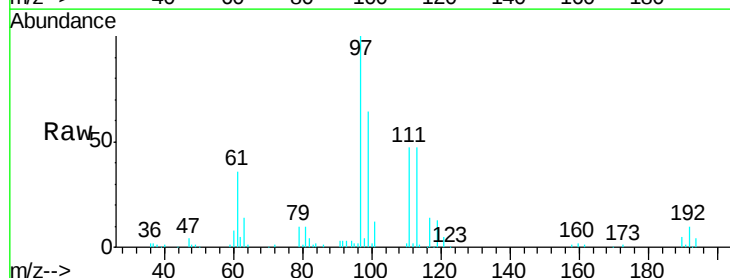
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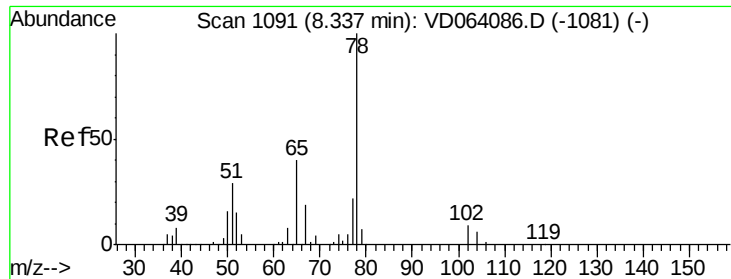
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#32
1,1,1-Trichloroethane
Concen: 51.267 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	53.7	80.5
61	39.1	31.8	47.6





#33

1,2-Dichloroethane-d4

Concen: 53.477 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 65 Resp: 94563

Ion Ratio Lower Upper

65 100

67 53.3

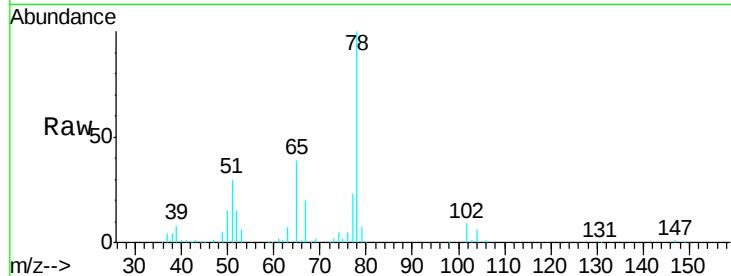
0.0 104.6

Manual Integrations

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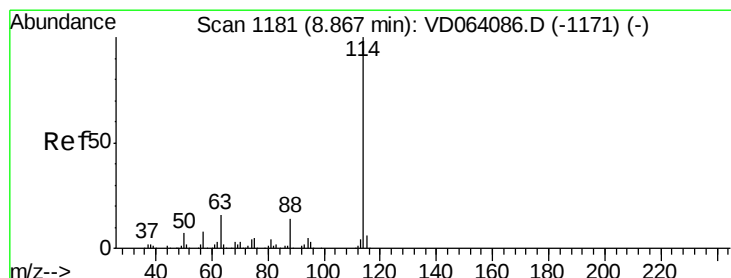
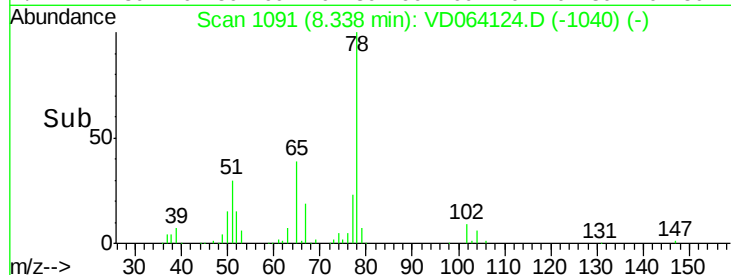
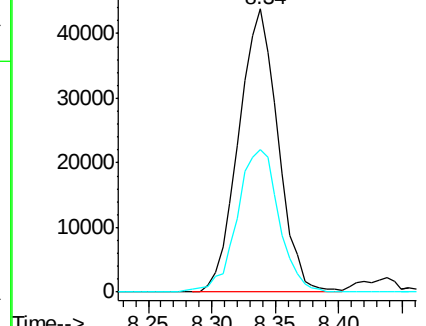
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Tgt Ion: 114 Resp: 338956

Ion Ratio Lower Upper

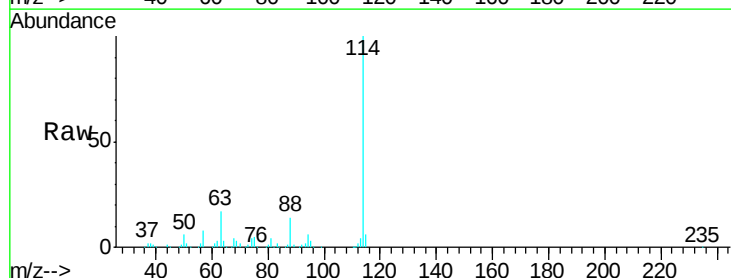
114 100

63 17.3

88 14.0

0.0 32.8

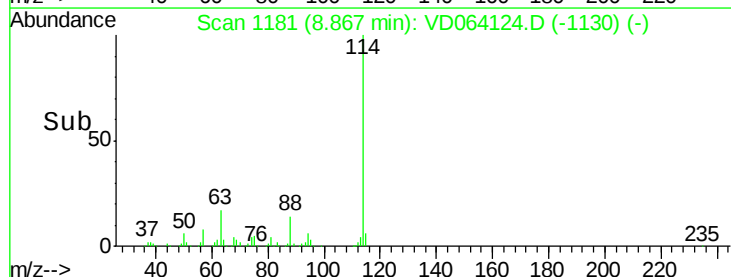
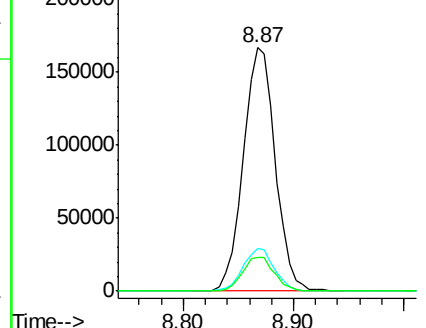
0.0 27.6

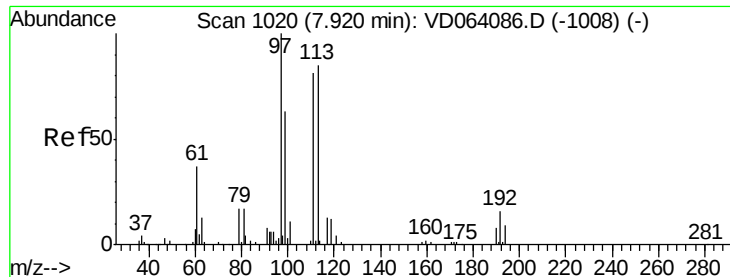


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





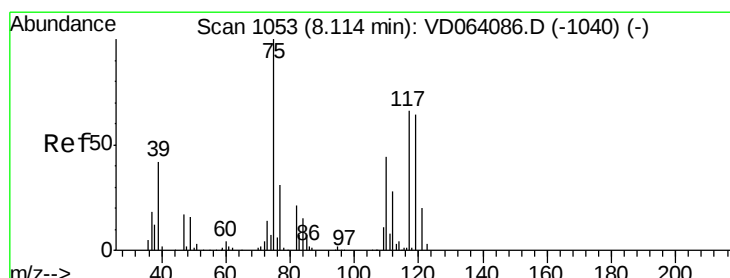
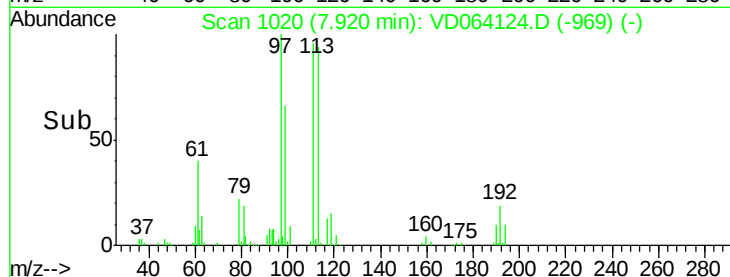
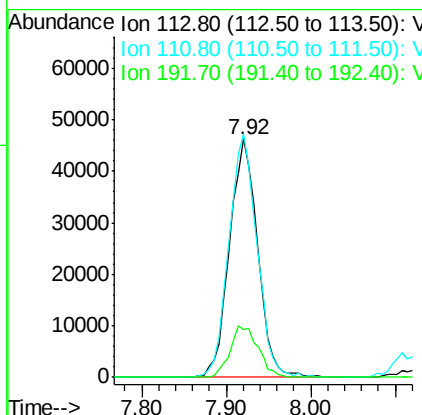
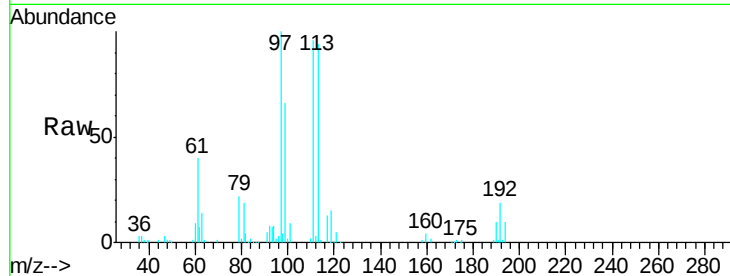
#35
 Dibromofluoromethane
 Concen: 50.789 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.5	79.3	118.9
192	21.5	16.2	24.2

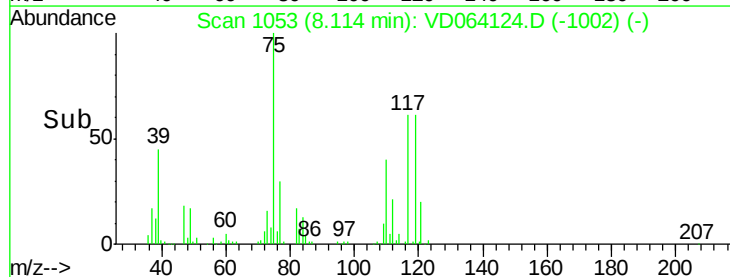
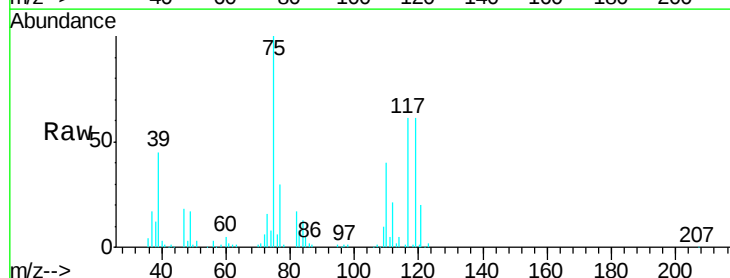
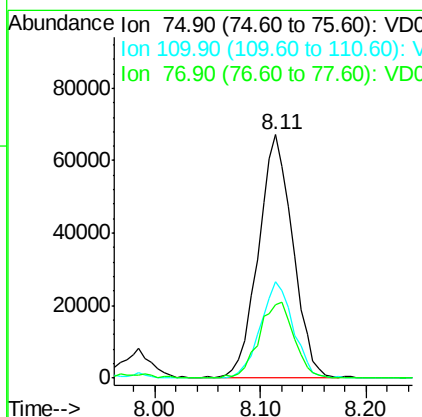
Manual Integrations
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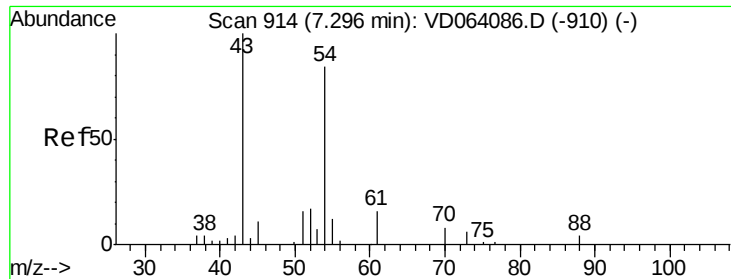
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 47.861 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.7	20.0	59.9
77	31.9	24.7	37.1





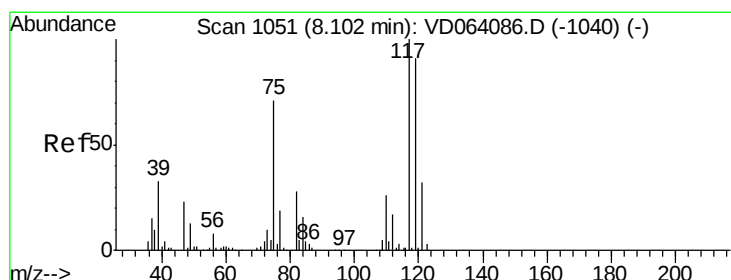
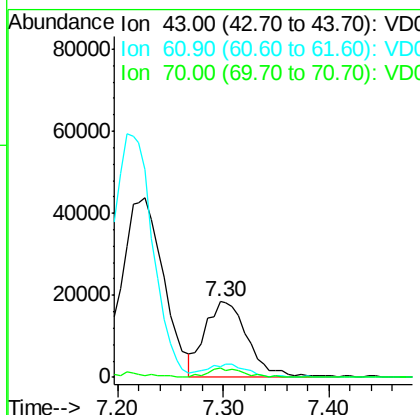
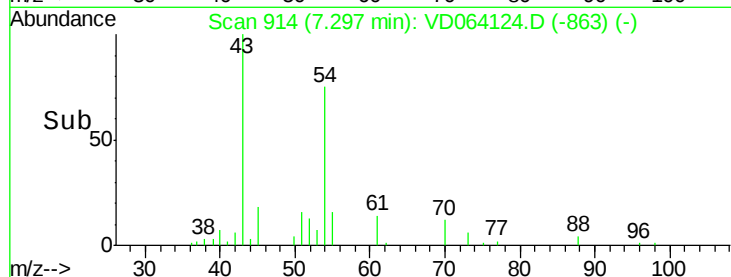
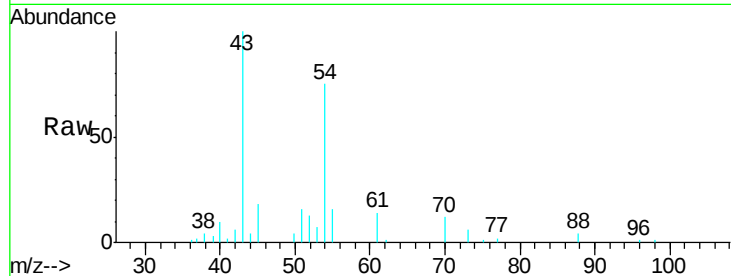
#37
Ethyl Acetate
Concen: 52.314 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 51143
Ion Ratio Lower Upper
43 100
61 16.1 12.0 18.0
70 10.7 3.8 5.6#

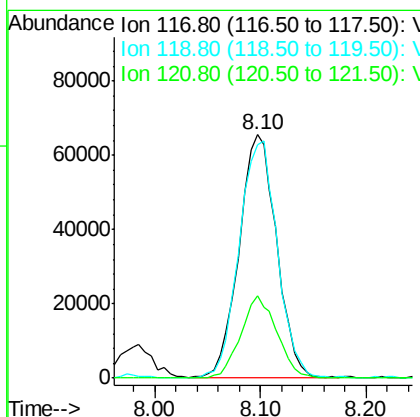
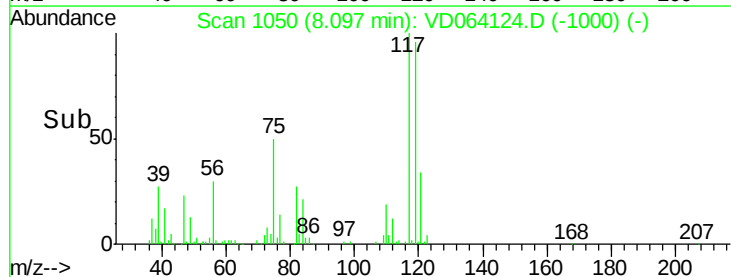
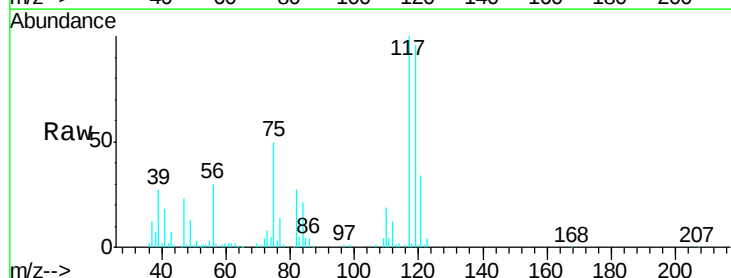
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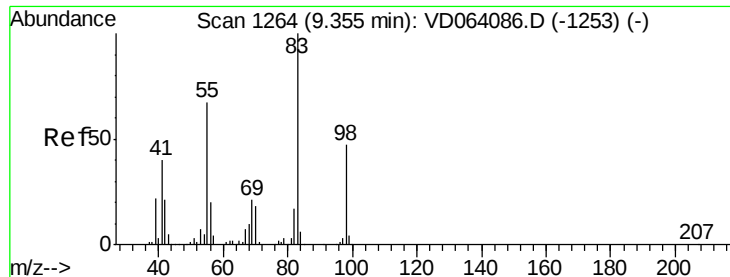
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#38
Carbon Tetrachloride
Concen: 46.806 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 117 Resp: 162199
Ion Ratio Lower Upper
117 100
119 95.6 72.6 108.8
121 34.0 25.8 38.6





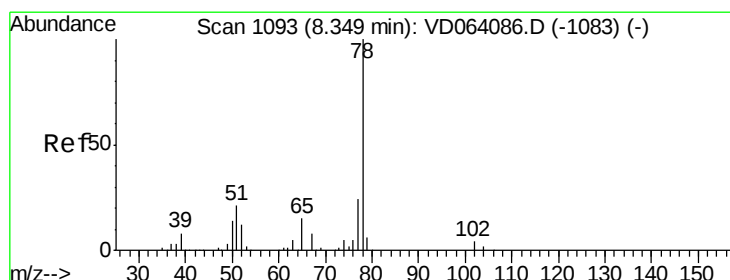
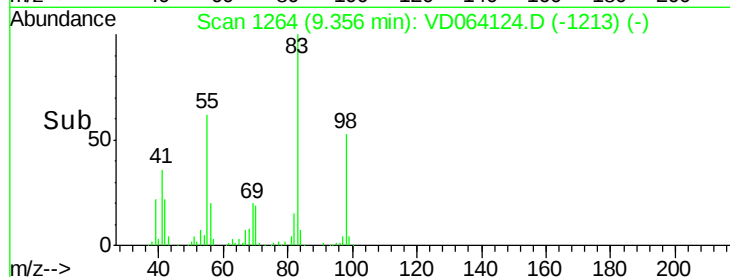
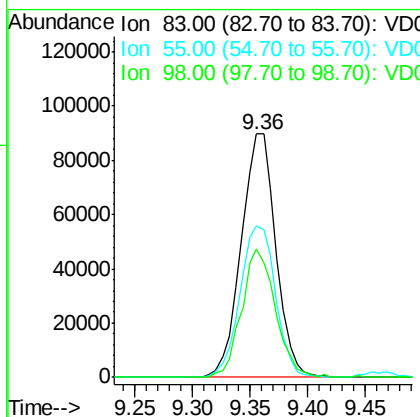
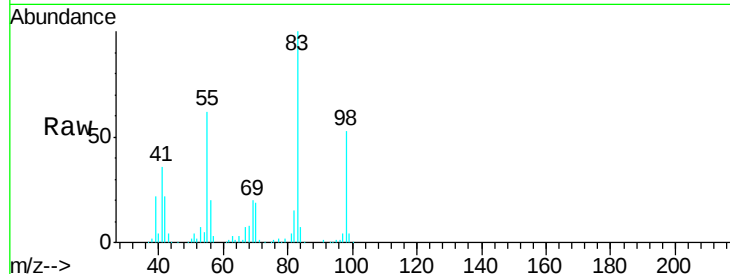
#39
Methylcyclohexane
Concen: 48.040 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
55	62.0	53.4	80.0
98	52.6	37.8	56.6

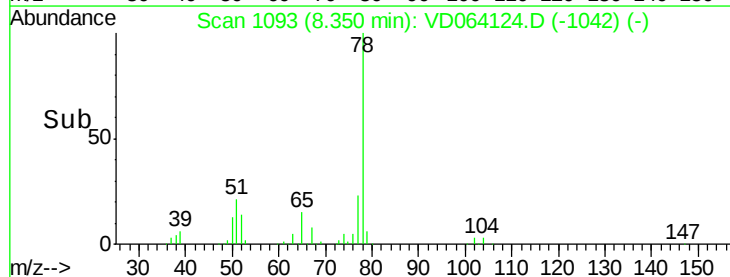
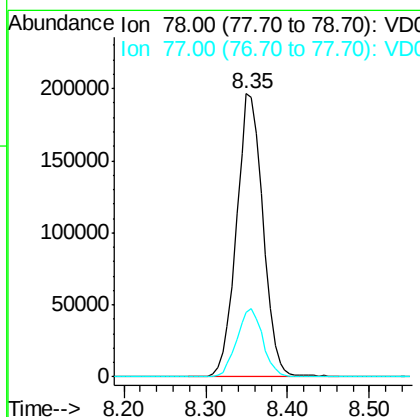
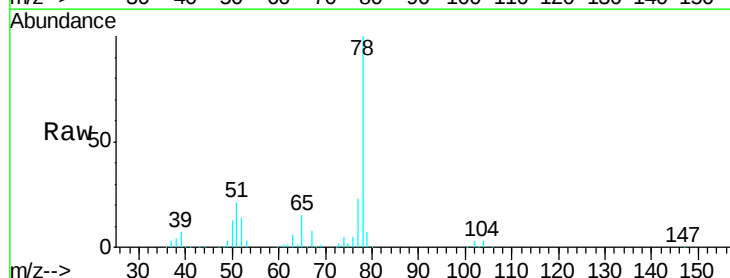
Manual Integrations
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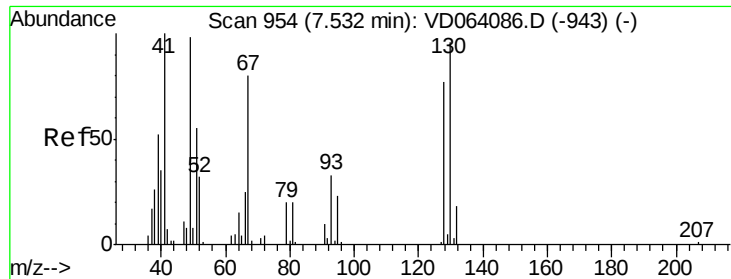
MMDadoda
10/31/2019 3:39:25 PM



#40
Benzene
Concen: 51.219 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.0	28.4





#41

Methacrylonitrile

Concen: 50.747 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 28630

Ion Ratio Lower Upper

41 100

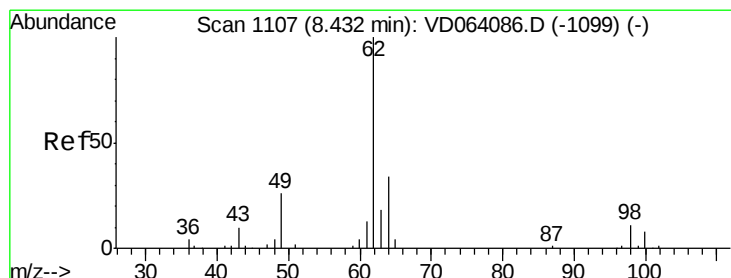
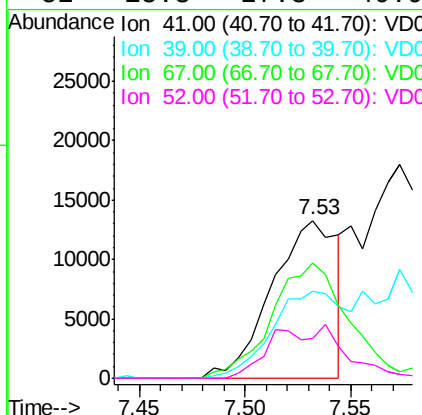
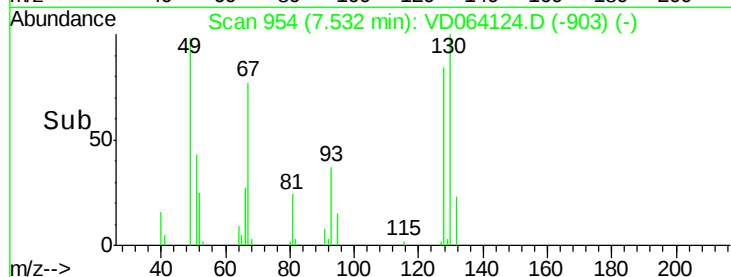
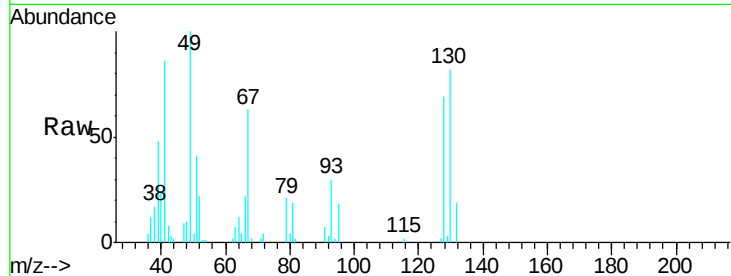
39 62.0 41.0 61.4#

67 86.5 73.4 110.0

52 18.3 27.3 40.9#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 52.542 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064124.D

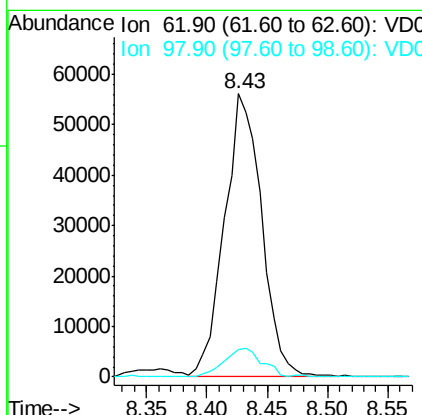
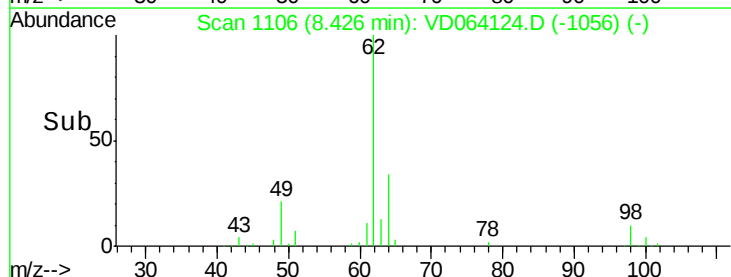
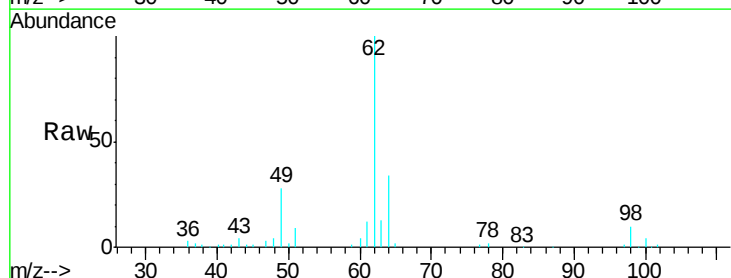
Acq: 30 Oct 2019 20:46

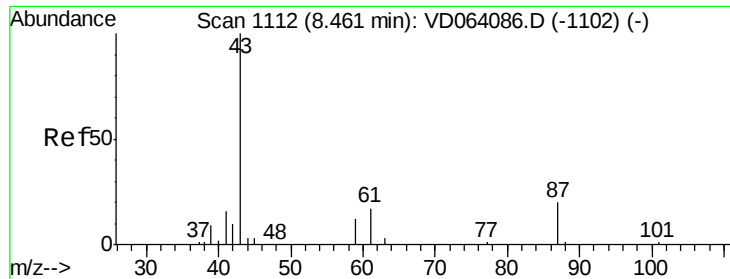
Tgt Ion: 62 Resp: 120207

Ion Ratio Lower Upper

62 100

98 10.2 0.0 21.0





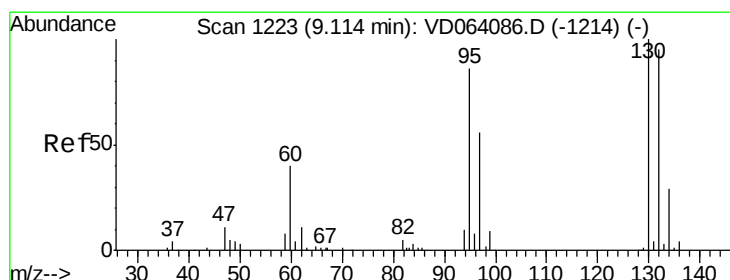
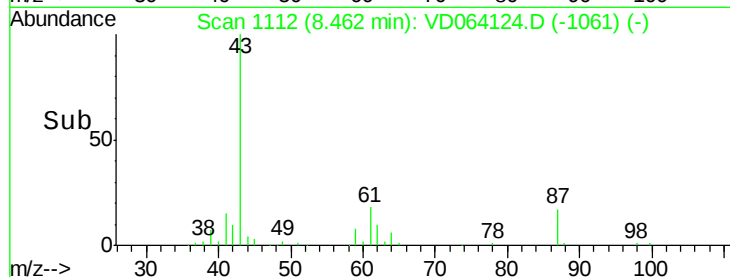
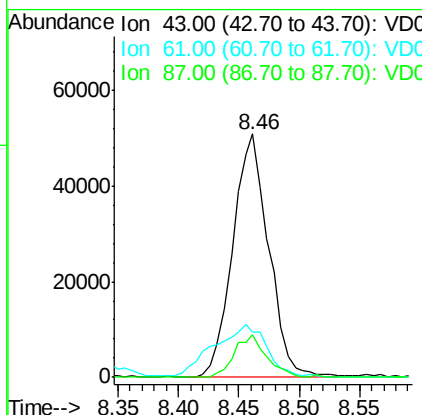
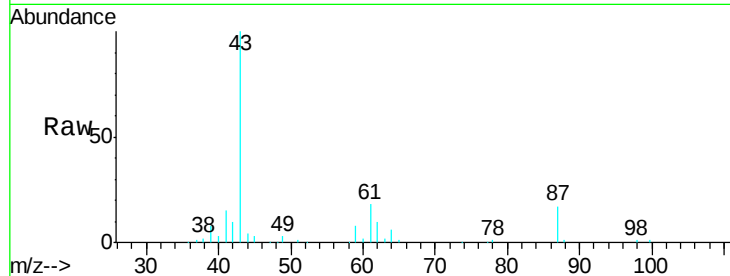
#43
Isopropyl Acetate
Concen: 53.383 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.1	25.8	38.8
87	15.6	13.0	19.4

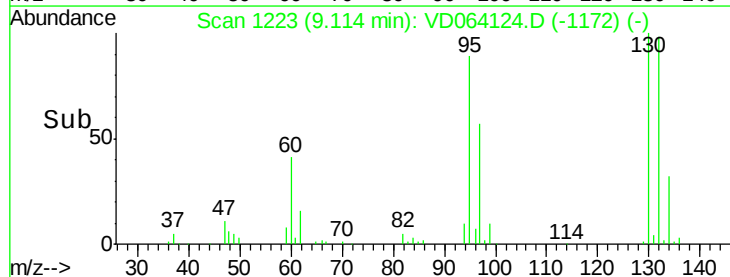
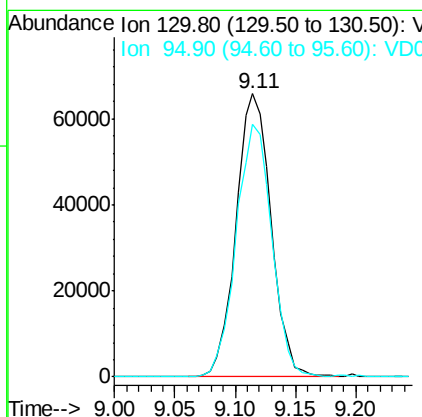
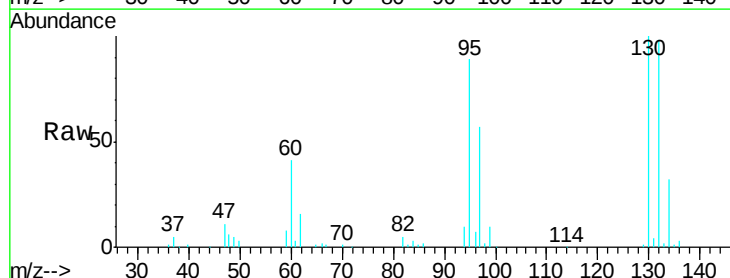
Manual Integrations
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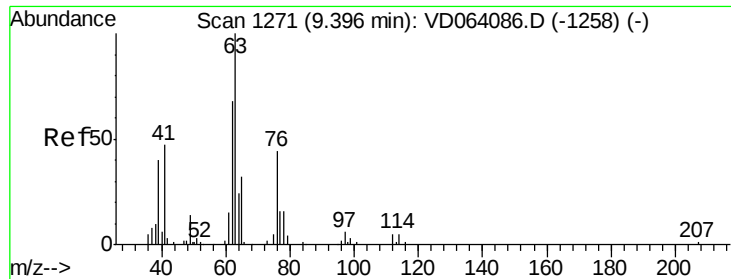
MMDadoda
10/31/2019 3:39:25 PM



#44
Trichloroethene
Concen: 50.792 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	173.0





#45

1,2-Dichloropropane

Concen: 50.023 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 63 Resp: 100408

Ion Ratio Lower Upper

63 100

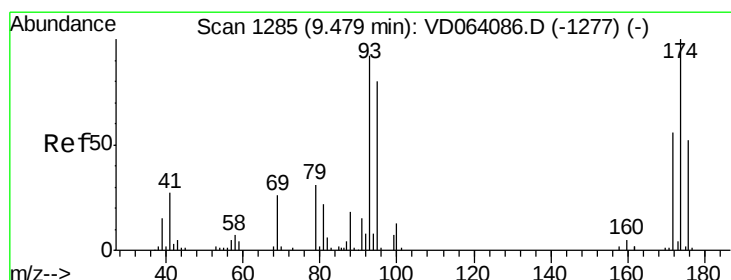
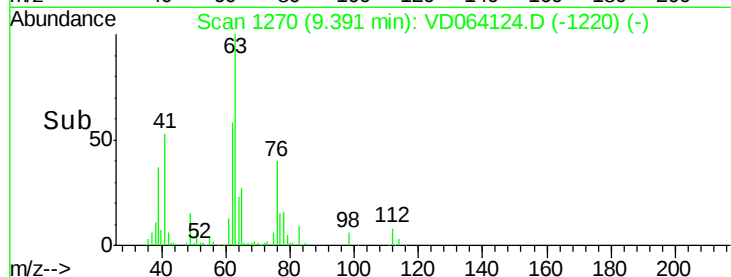
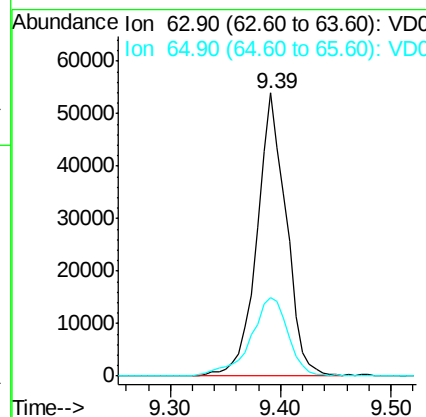
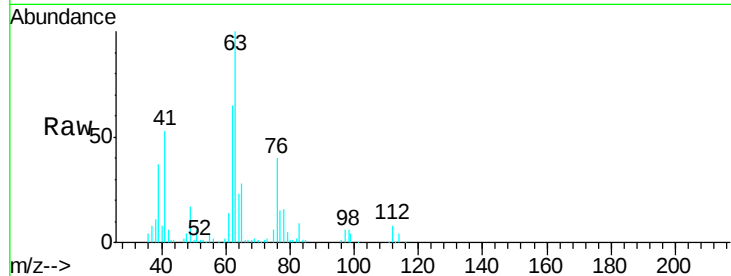
65 27.9 25.8 38.8

Manual Integrations

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#46

Dibromomethane

Concen: 49.537 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

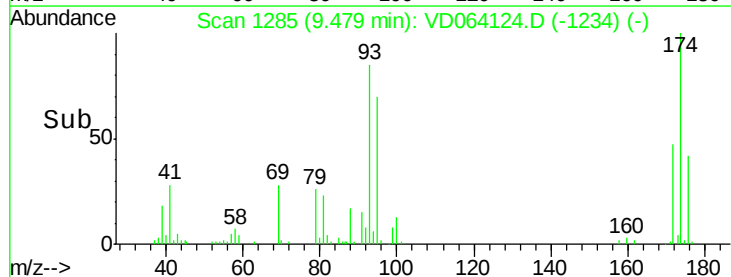
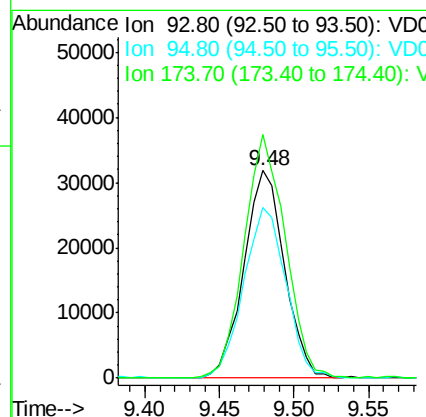
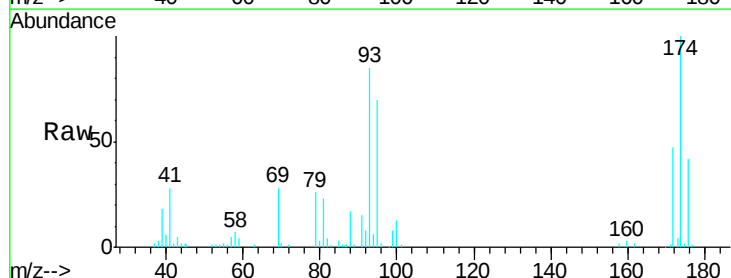
Tgt Ion: 93 Resp: 59884

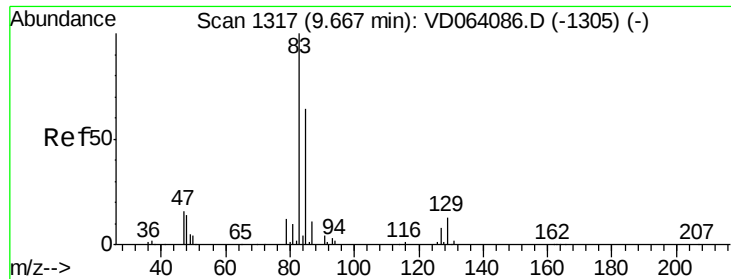
Ion Ratio Lower Upper

93 100

95 85.7 67.4 101.2

174 119.4 86.4 129.6





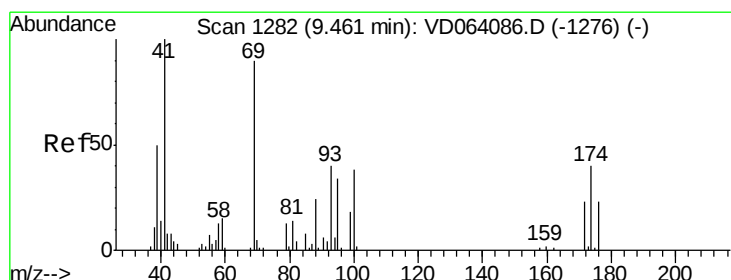
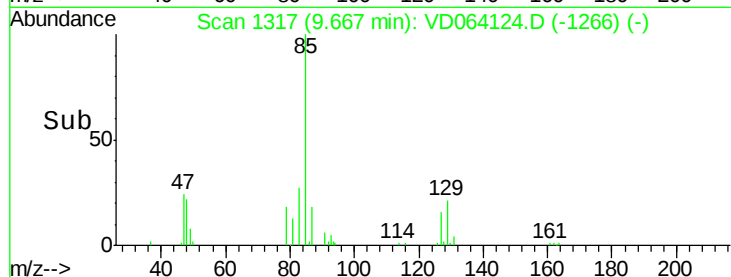
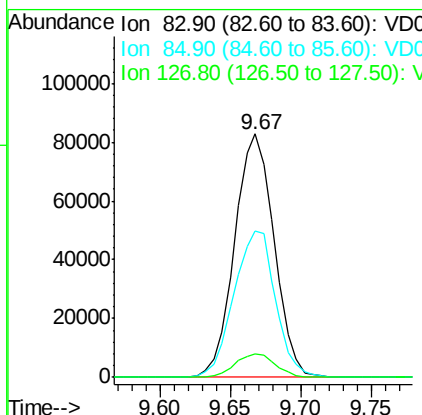
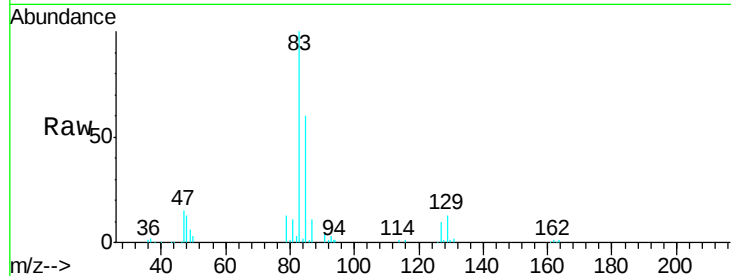
#47
Bromodichloromethane
Concen: 53.082 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.9	51.4	77.0
127	9.8	6.7	10.1

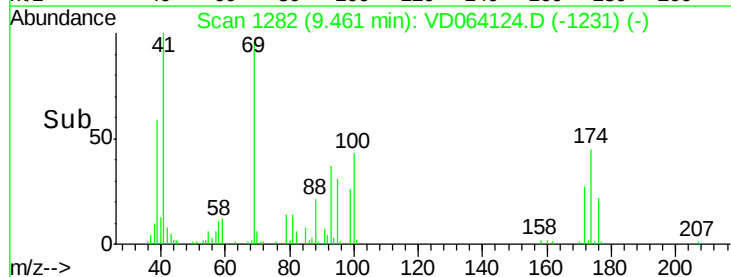
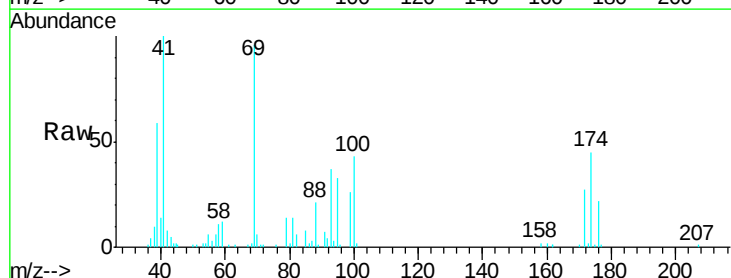
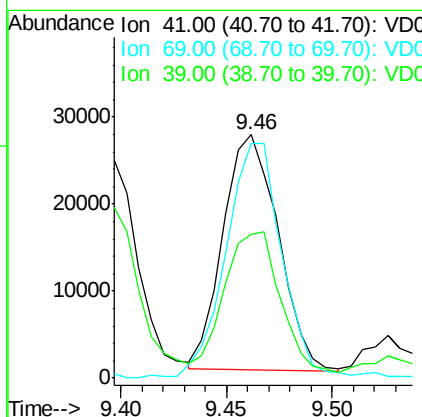
Manual Integrations
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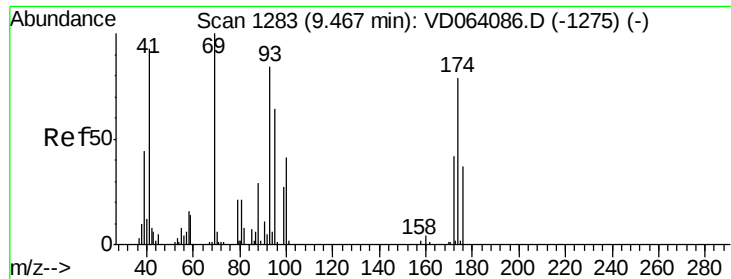
MMDadoda
10/31/2019 3:39:25 PM



#48
Methyl methacrylate
Concen: 53.393 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
41	100		
69	103.8	82.6	124.0
39	60.9	47.0	70.4





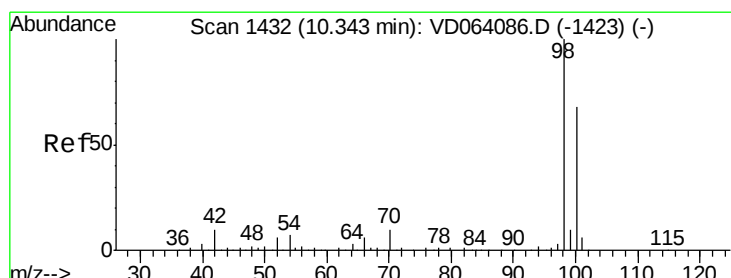
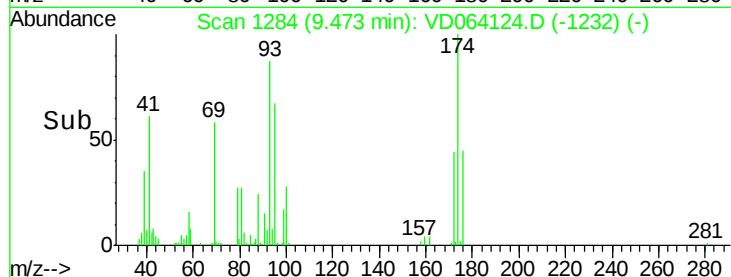
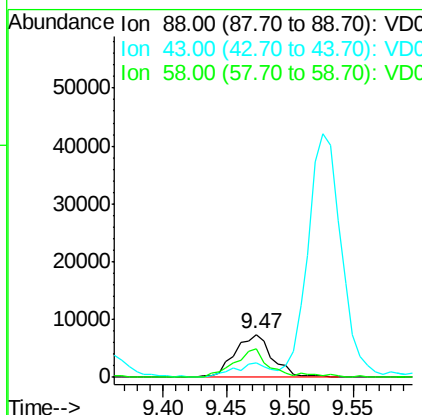
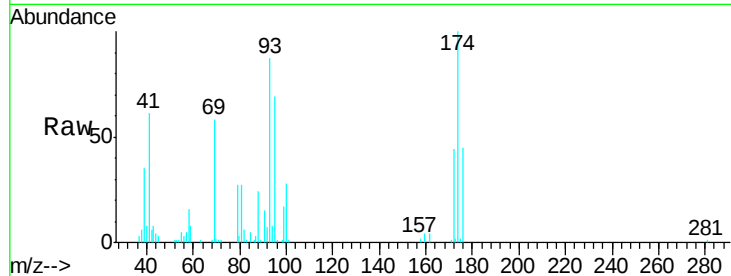
#49
1,4-Dioxane
Concen: 1090.497 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.9	13.4	20.0#
58	58.1	46.7	70.1

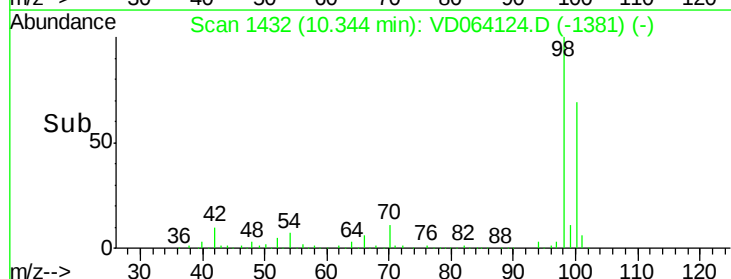
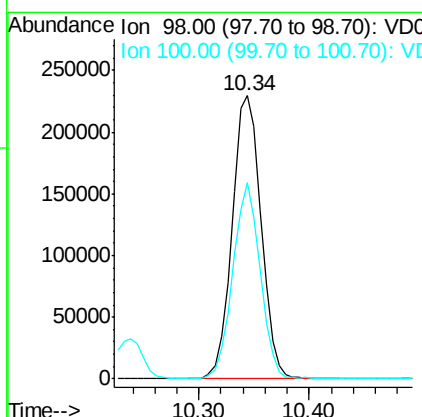
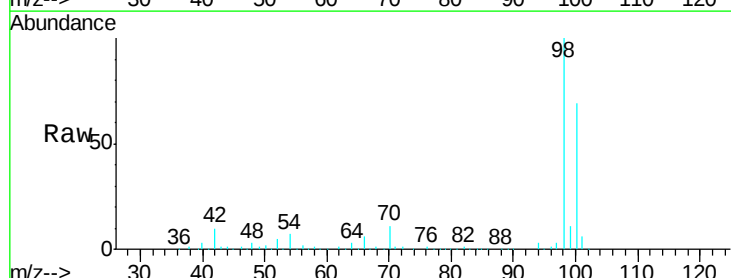
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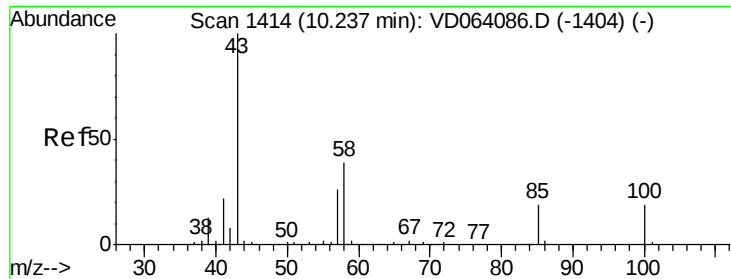
MMDadoda
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#50
Toluene-d8
Concen: 50.690 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 270.571 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 291019

Ion Ratio Lower Upper

43 100

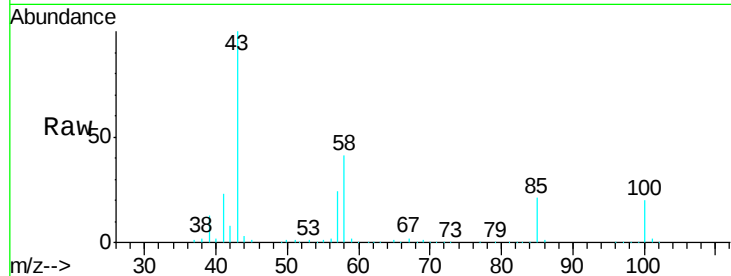
58 41.3 33.0 49.4

Manual Integrations

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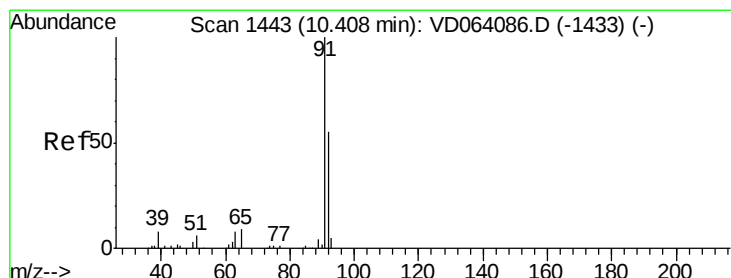
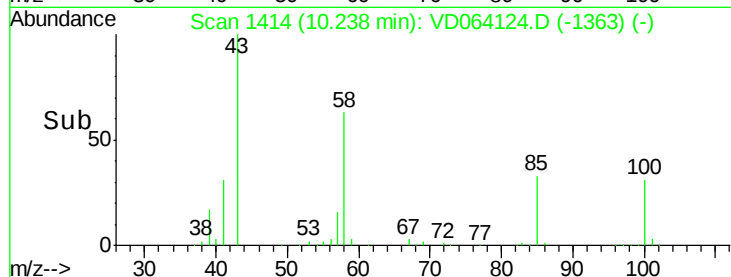
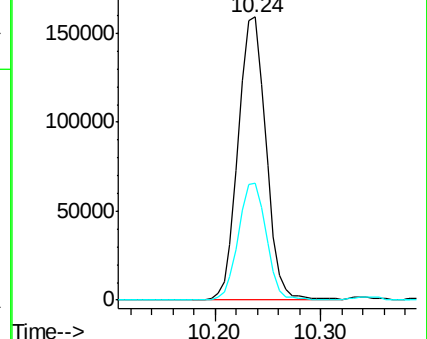
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.461 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064124.D

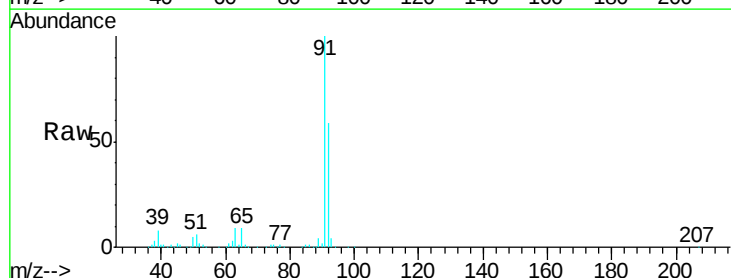
Acq: 30 Oct 2019 20:46

Tgt Ion: 92 Resp: 312355

Ion Ratio Lower Upper

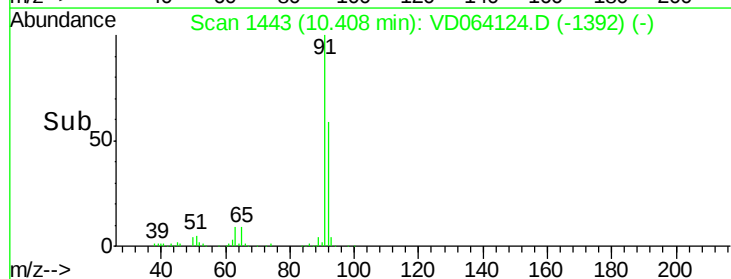
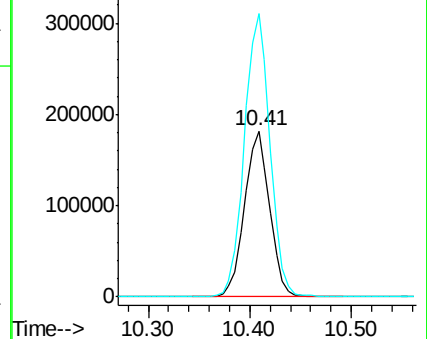
92 100

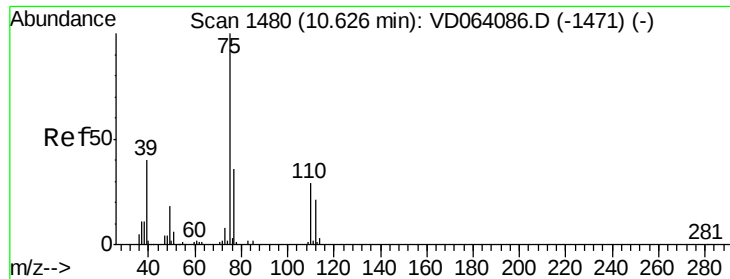
91 173.8 140.7 211.1



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





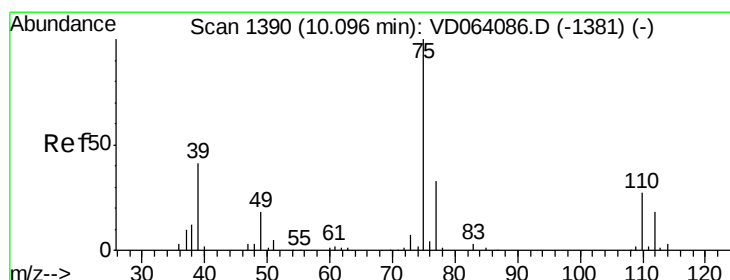
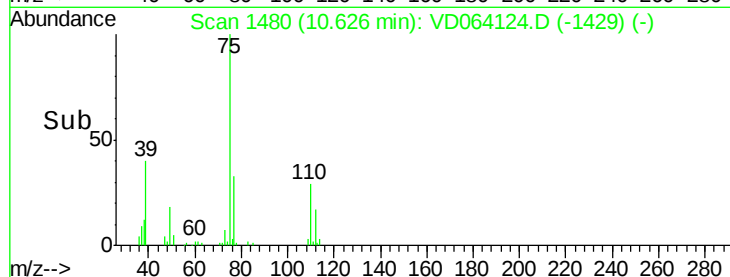
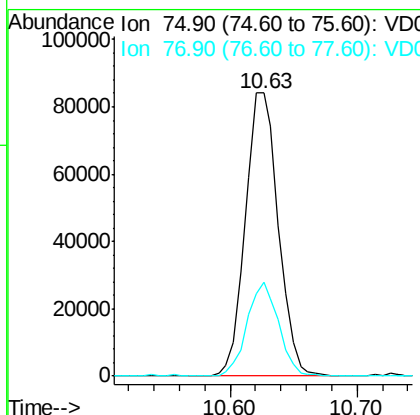
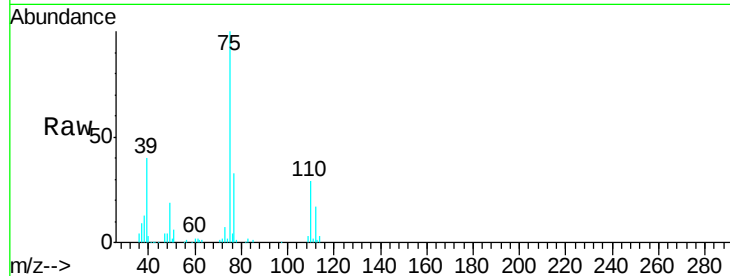
#53
 t-1,3-Dichloropropene
 Concen: 53.542 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 152426
 Ion Ratio Lower Upper
 75 100
 77 32.7 28.7 43.1

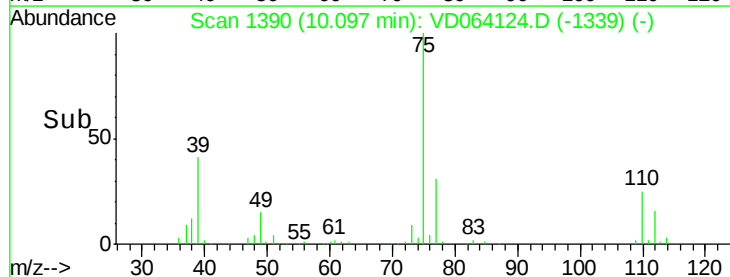
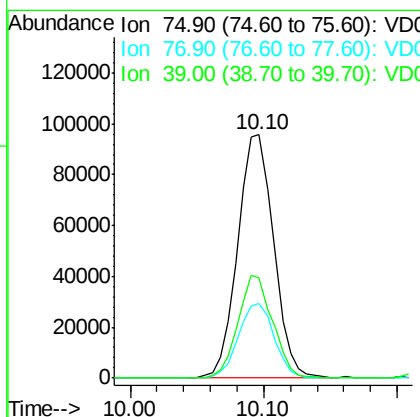
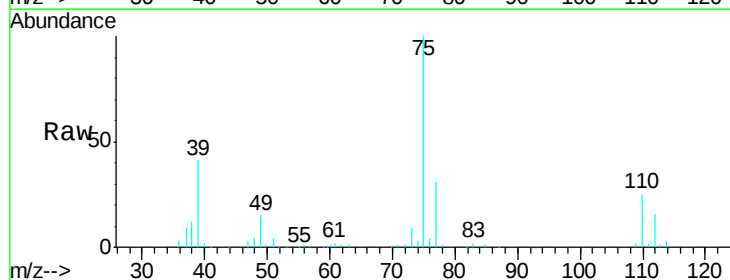
Manual Integrations
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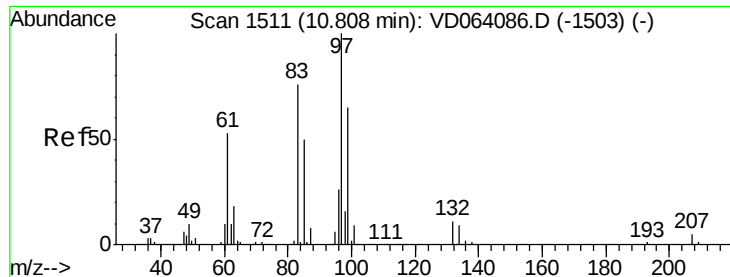
MMDadoda
 10/31/2019 3:39:25 PM



#54
 cis-1,3-Dichloropropene
 Concen: 53.347 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 75 Resp: 178675
 Ion Ratio Lower Upper
 75 100
 77 30.6 26.8 40.2
 39 41.3 32.7 49.1





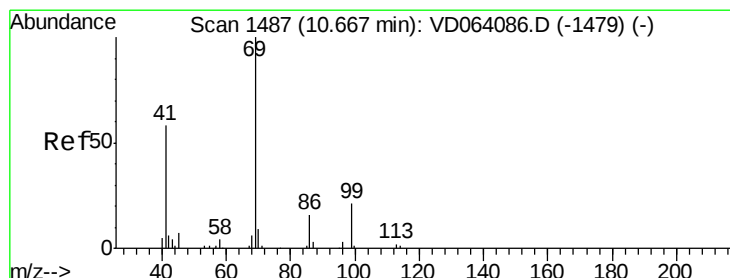
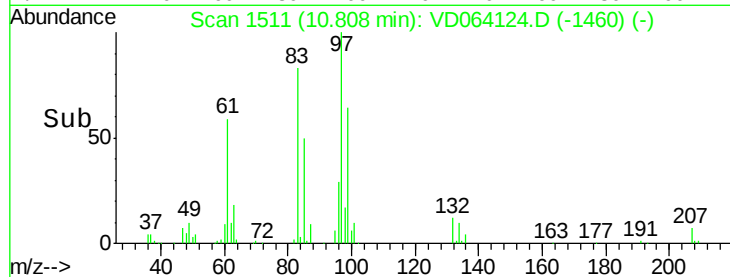
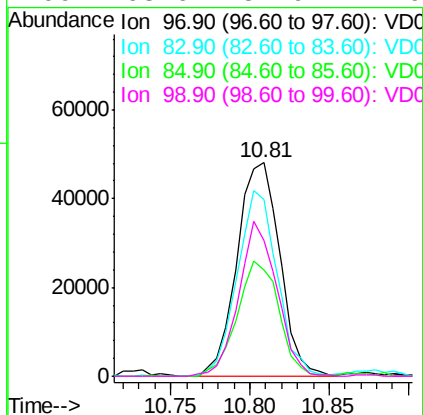
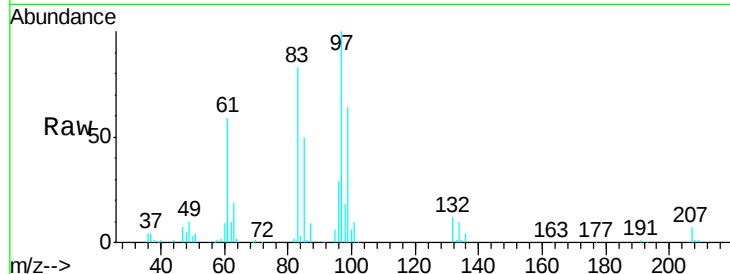
#55
 1,1,2-Trichloroethane
 Concen: 52.887 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.8	60.9	91.3
85	50.0	40.2	60.2
99	63.6	51.9	77.9

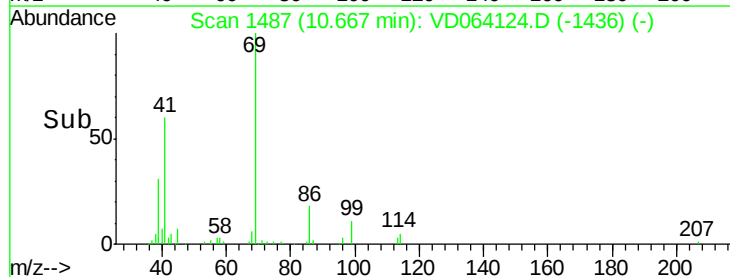
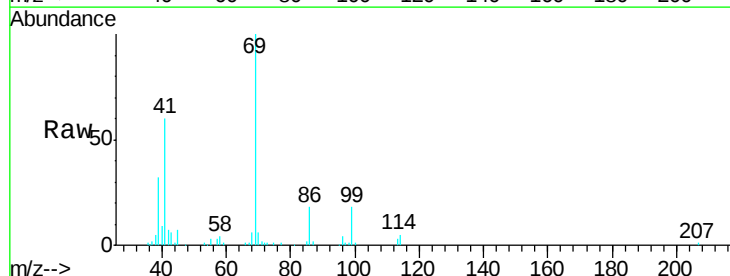
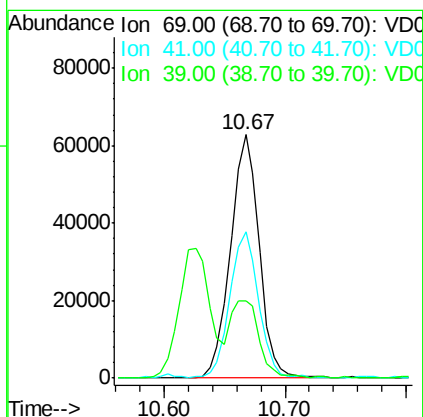
Manual Integrations
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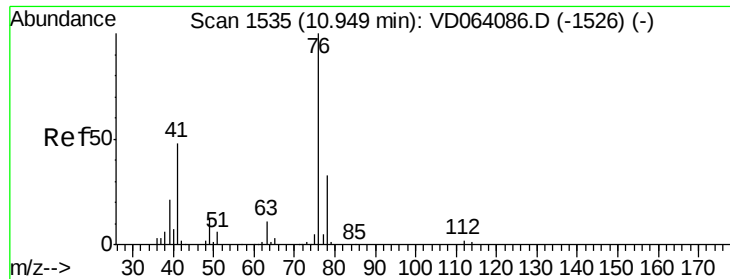
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#56
 Ethyl methacrylate
 Concen: 49.871 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.6	46.9	70.3
39	30.7	27.3	40.9





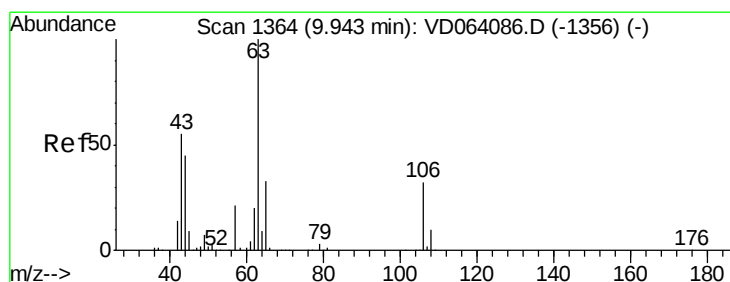
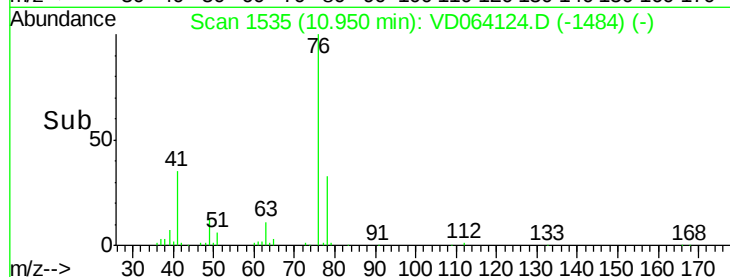
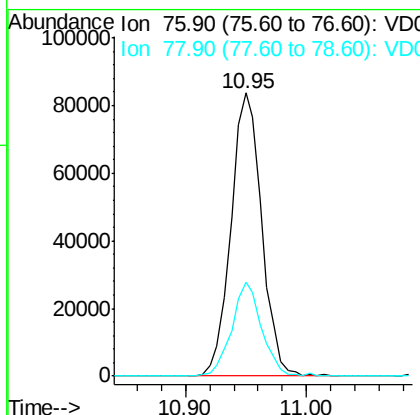
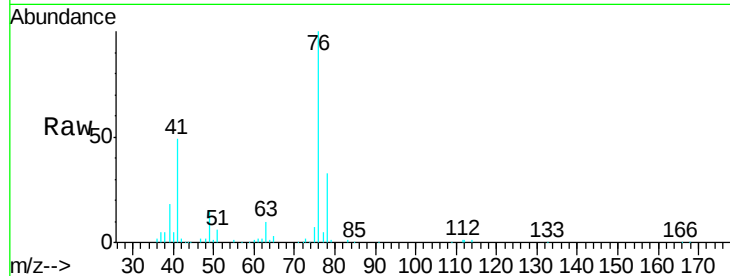
#57
 1,3-Dichloropropane
 Concen: 52.207 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 76 Resp: 147986
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.9 38.9

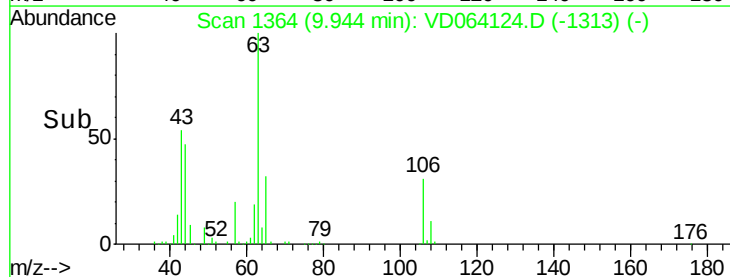
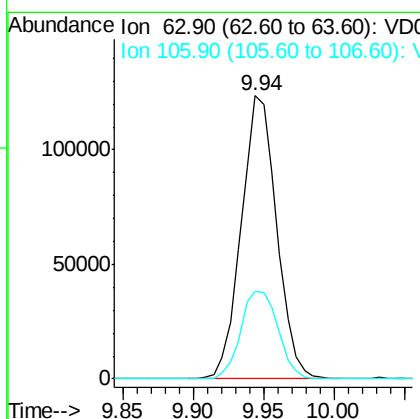
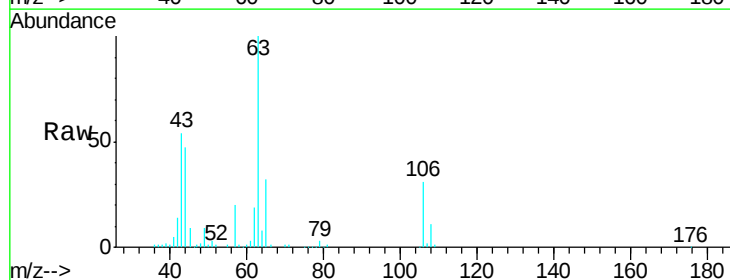
Manual Integrations
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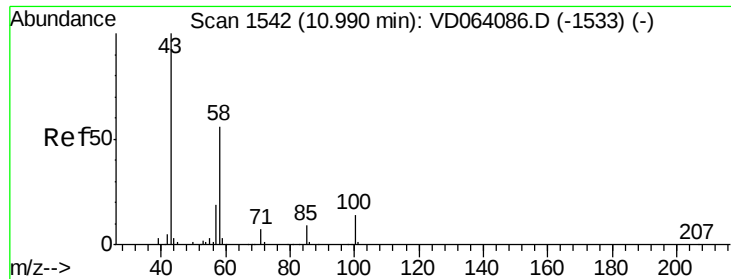
MMDadoda
 10/31/2019 3:39:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 289.611 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 63 Resp: 217466
 Ion Ratio Lower Upper
 63 100
 106 32.6 25.8 38.8





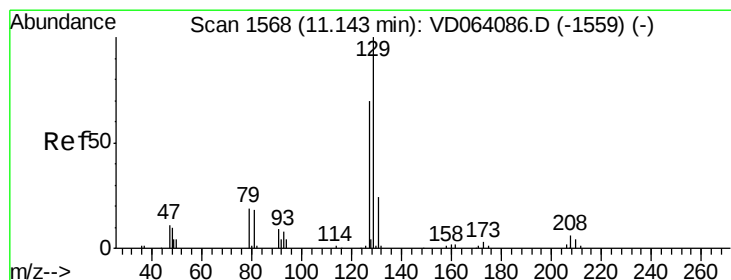
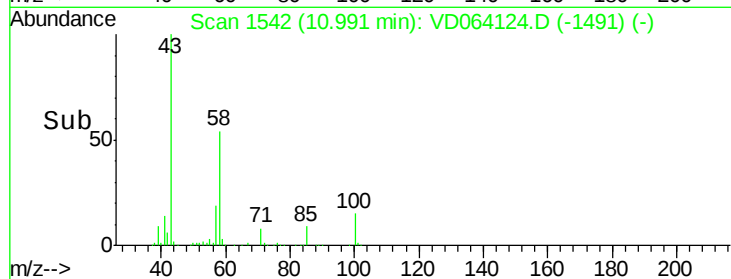
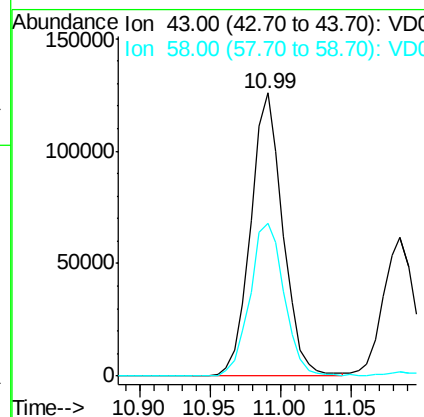
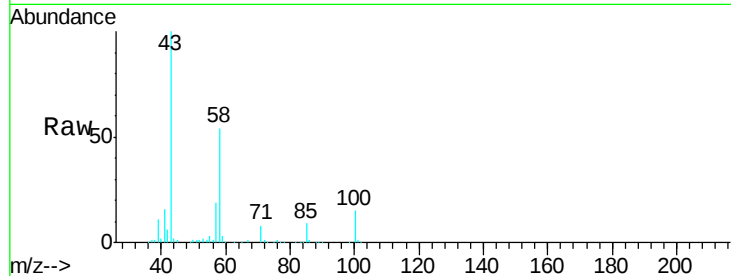
#59
2-Hexanone
Concen: 240.266 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 202269
Ion Ratio Lower Upper
43 100
58 57.3 29.2 87.6

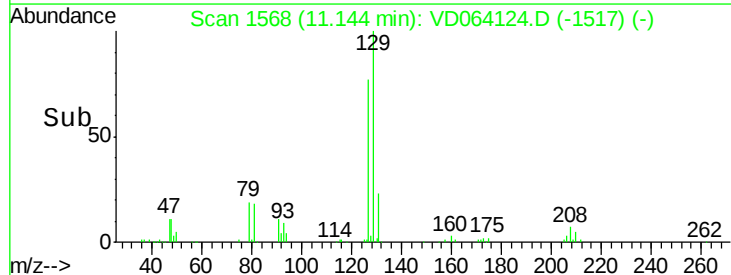
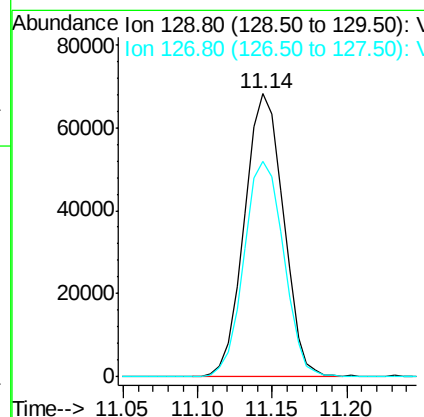
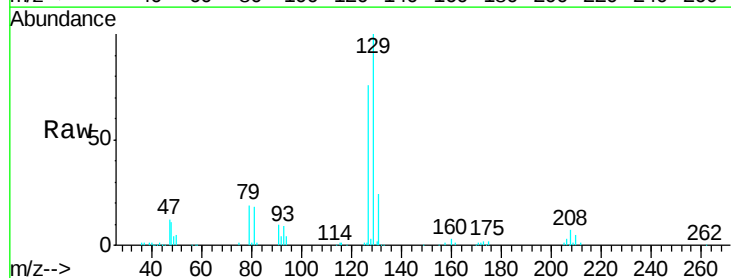
Manual Integrations
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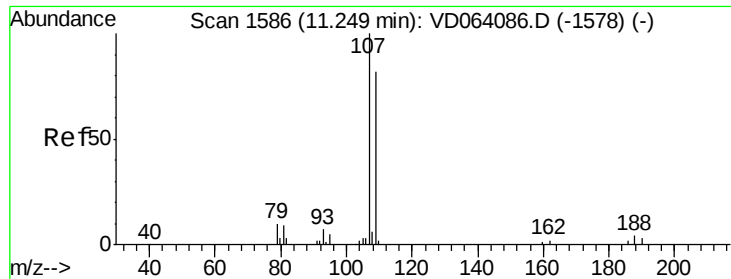
MMDadoda
10/31/2019 3:39:25 PM



#60
Dibromochloromethane
Concen: 53.061 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 129 Resp: 123437
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





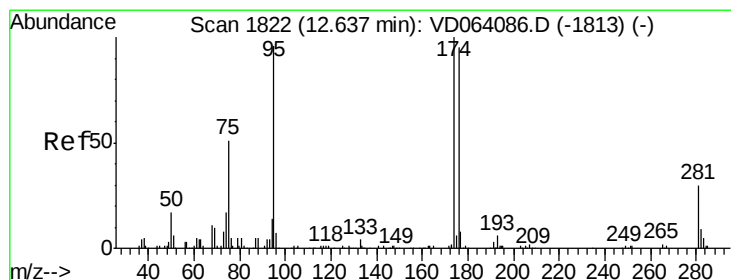
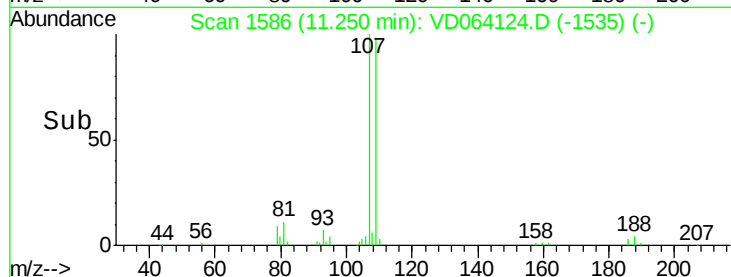
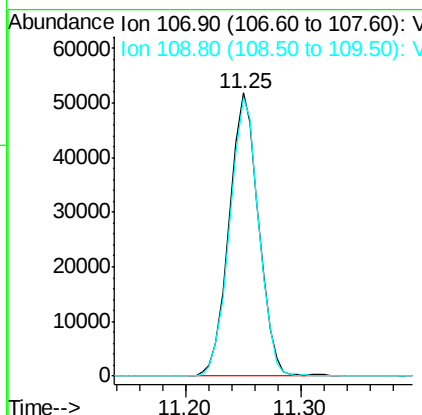
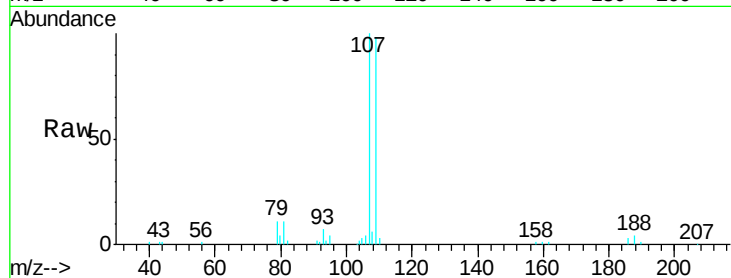
#61
 1,2-Dibromoethane
 Concen: 53.257 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 107 Resp: 91295
 Ion Ratio Lower Upper
 107 100
 109 97.3 73.0 109.4

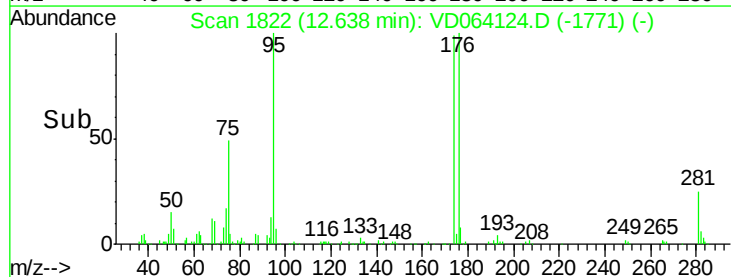
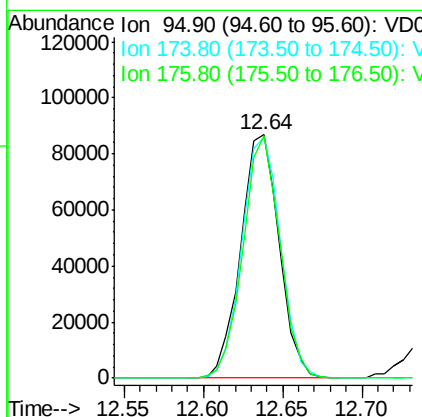
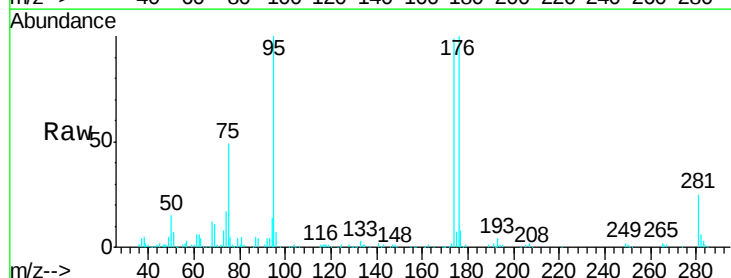
Manual Integrations
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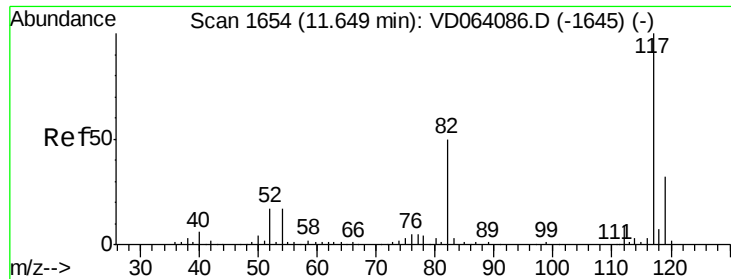
MMDadoda
 10/31/2019 3:39:25 PM



#62
 4-Bromofluorobenzene
 Concen: 52.972 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 95 Resp: 146460
 Ion Ratio Lower Upper
 95 100
 174 99.4 0.0 201.6
 176 95.0 0.0 192.6





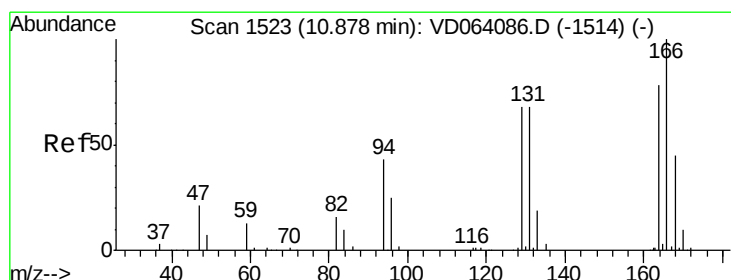
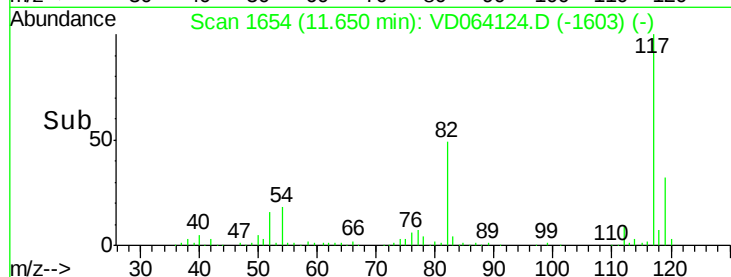
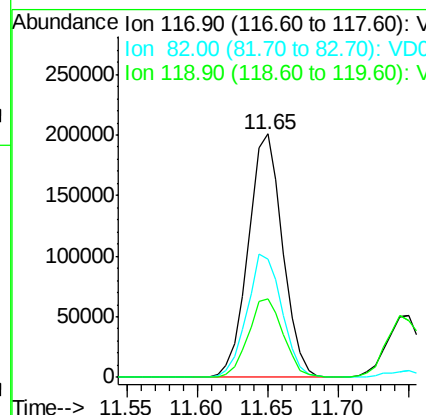
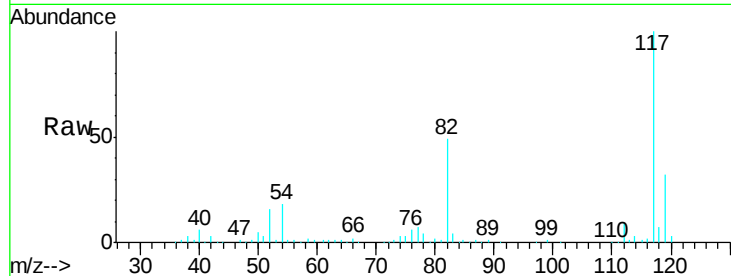
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 343642
Ion Ratio Lower Upper
117 100
82 48.6 40.2 60.4
119 32.5 26.0 39.0

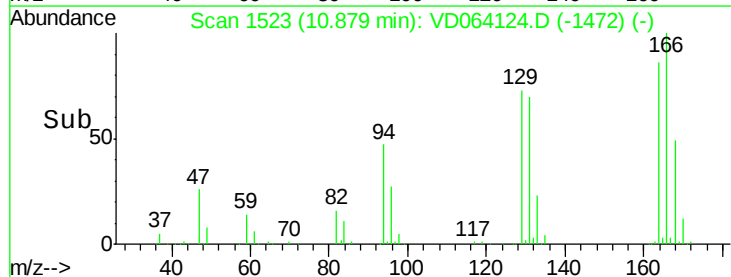
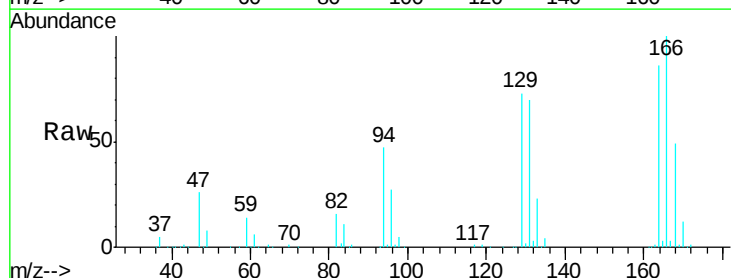
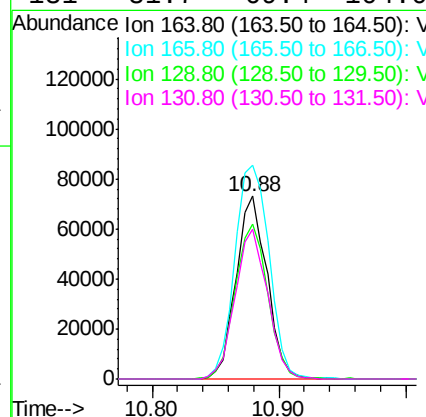
Manual Integrations
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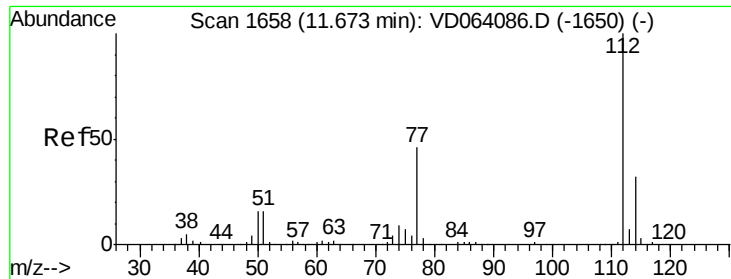
MMDadoda
10/31/2019 3:39:25 PM



#64
Tetrachloroethene
Concen: 50.104 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:164 Resp: 123693
Ion Ratio Lower Upper
164 100
166 116.8 102.7 154.1
129 84.9 69.8 104.6
131 81.7 69.4 104.0





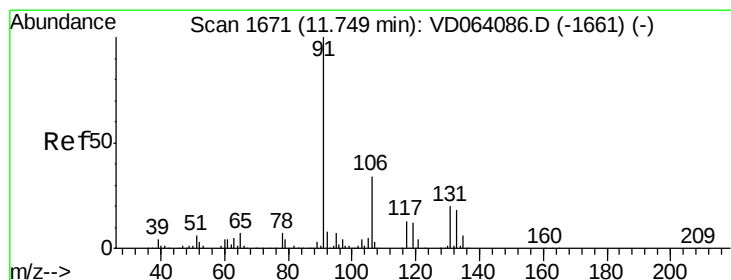
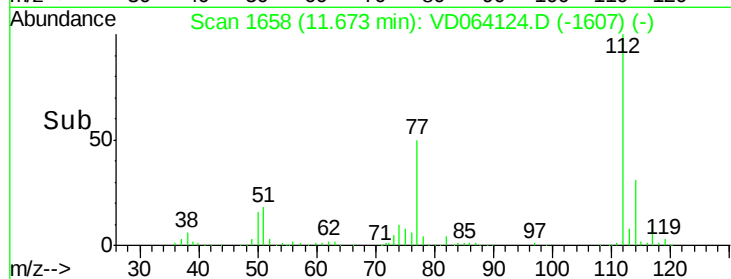
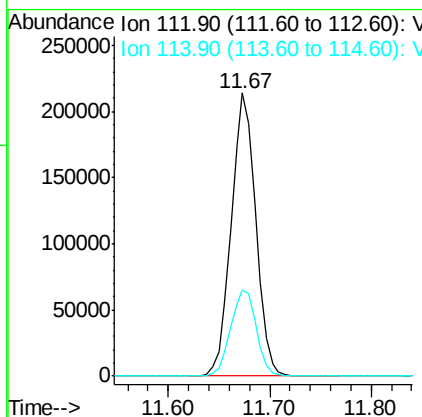
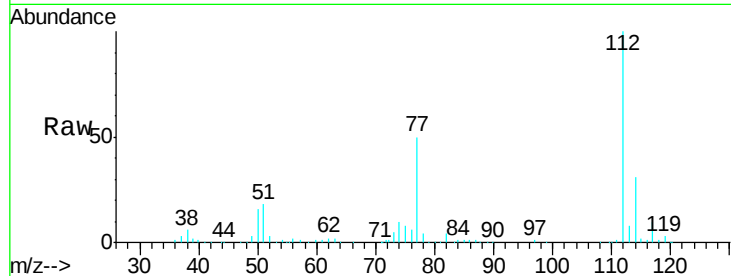
#65
Chlorobenzene
Concen: 50.518 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 358703
Ion Ratio Lower Upper
112 100
114 30.7 25.4 38.0

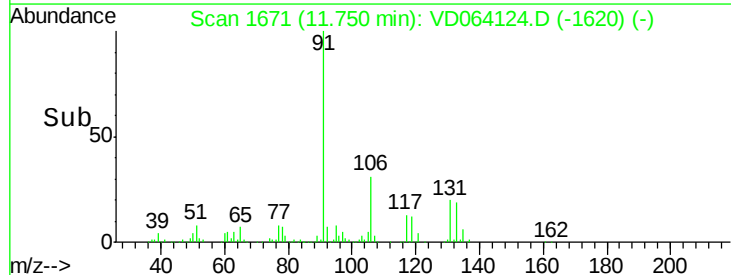
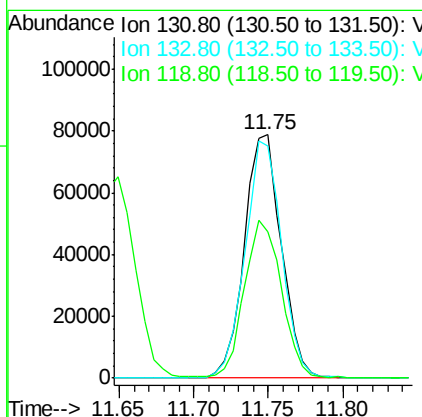
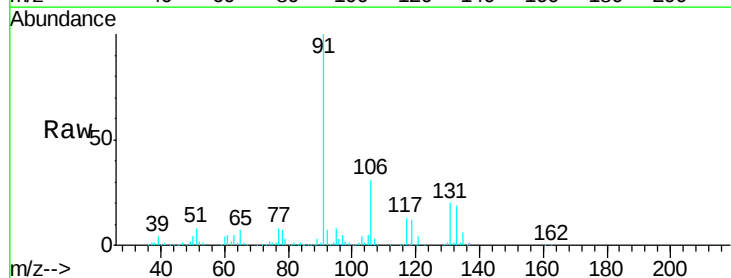
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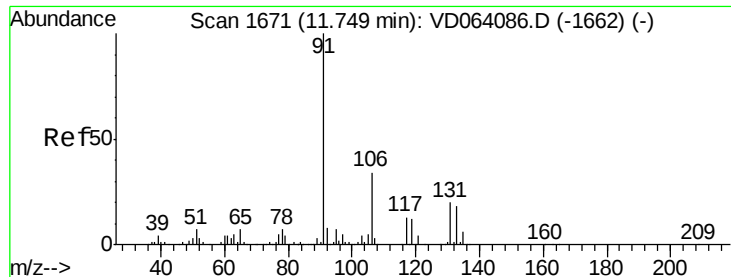
MMDadoda
10/31/2019 3:39:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.872 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:131 Resp: 135160
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.9
119 65.3 31.4 94.3





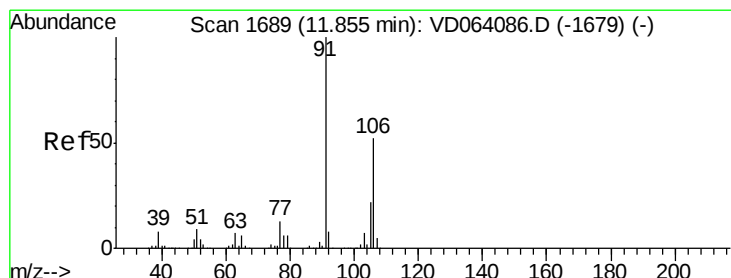
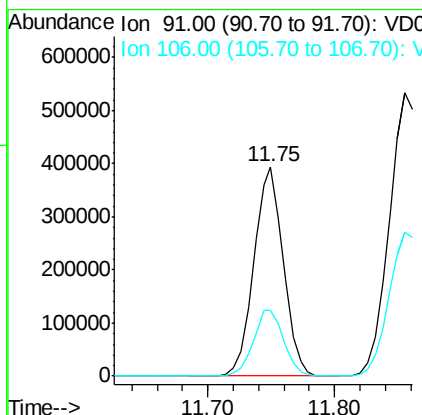
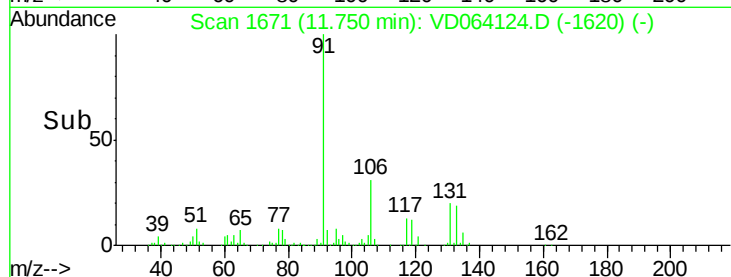
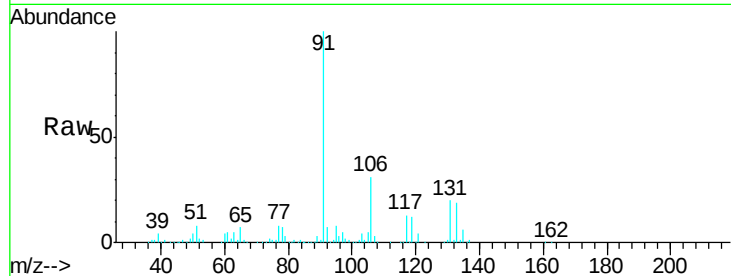
#67
 Ethyl Benzene
 Concen: 50.406 ug/l
 RT: 11.75 min Scan# 1671
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 636584
 Ion Ratio Lower Upper
 91 100
 106 31.5 27.0 40.6

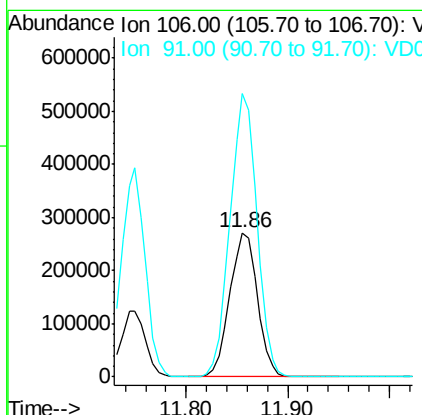
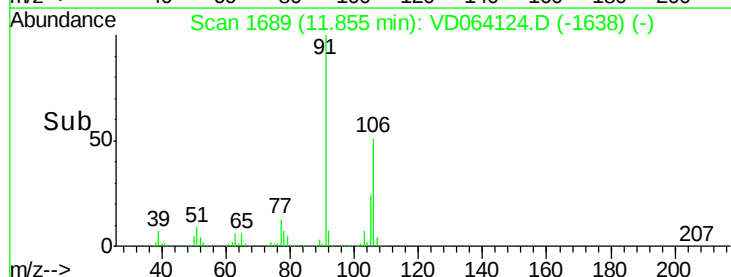
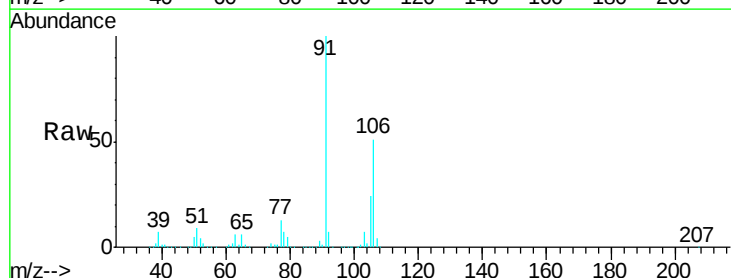
Manual Integrations
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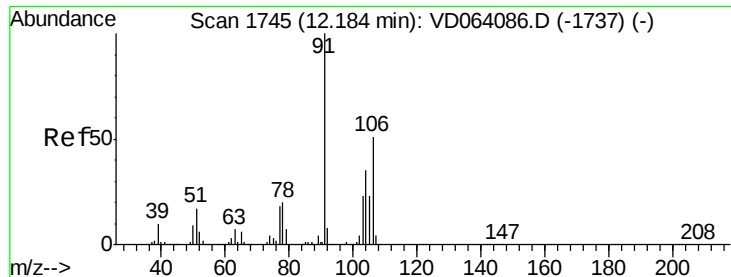
MMDadoda
 10/31/2019 3:39:25 PM



#68
 m/p-Xylenes
 Concen: 101.296 ug/l
 RT: 11.86 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion: 106 Resp: 514565
 Ion Ratio Lower Upper
 106 100
 91 191.4 154.0 231.0





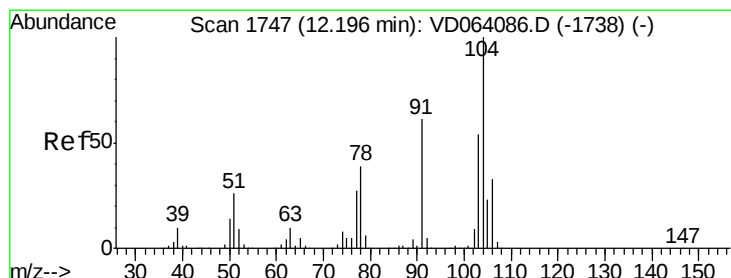
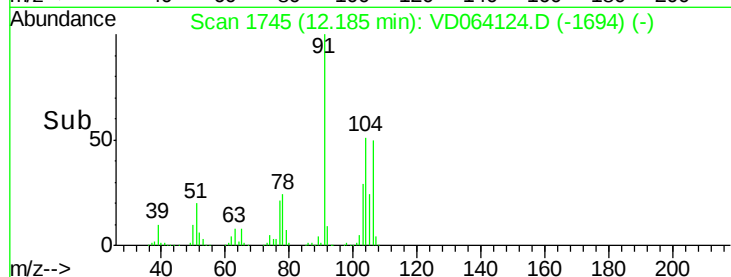
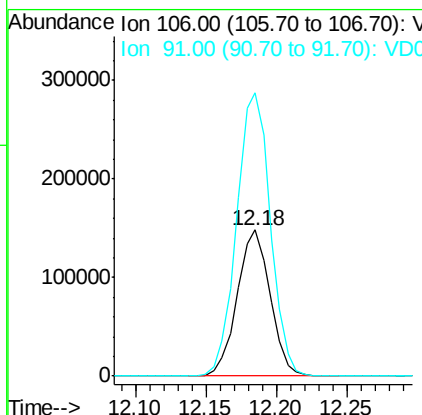
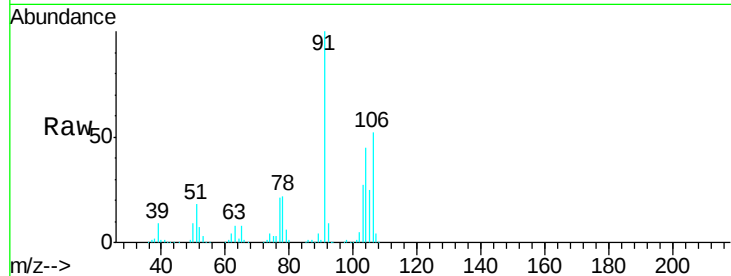
#69
o-Xylene
Concen: 52.244 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 242202
Ion Ratio Lower Upper
106 100
91 198.4 100.6 301.9

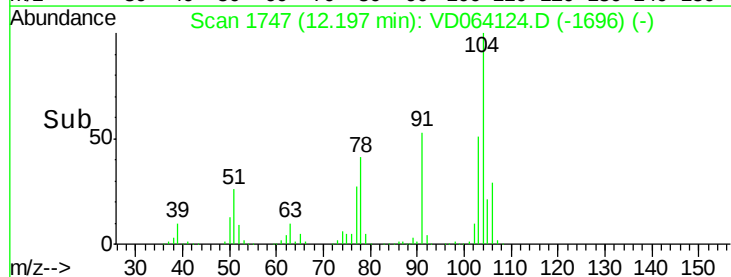
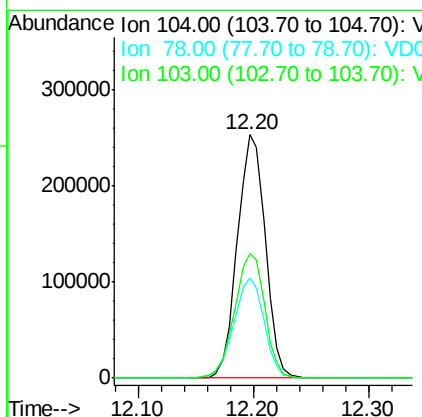
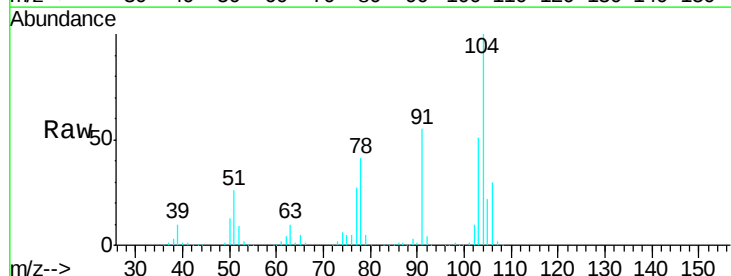
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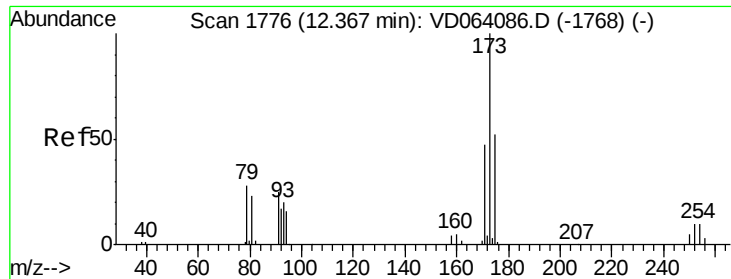
MMDadoda
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#70
Styrene
Concen: 52.969 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion:104 Resp: 423522
Ion Ratio Lower Upper
104 100
78 44.5 34.6 51.8
103 55.4 44.2 66.2





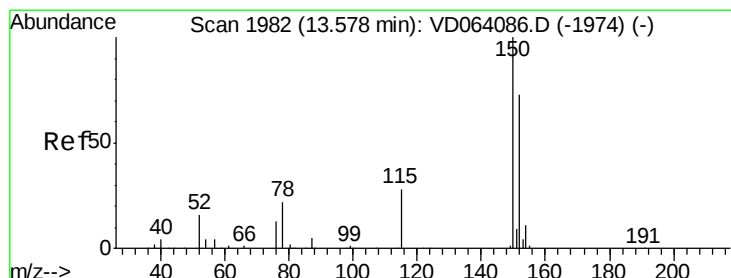
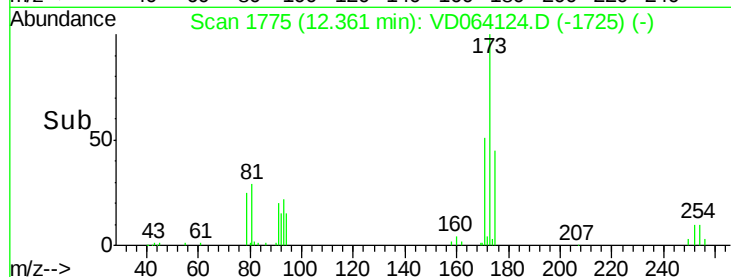
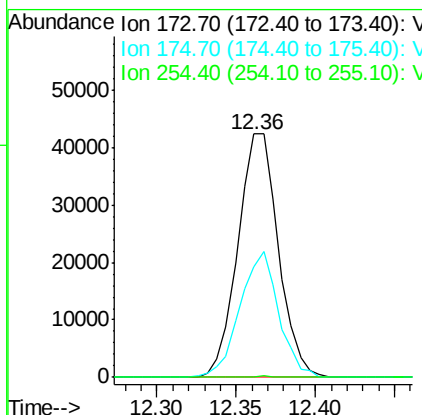
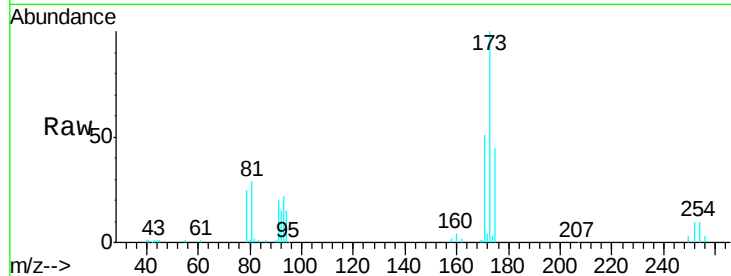
#71
Bromoform
Concen: 52.959 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.7	24.3	72.9
254	0.1	0.0	0.0#

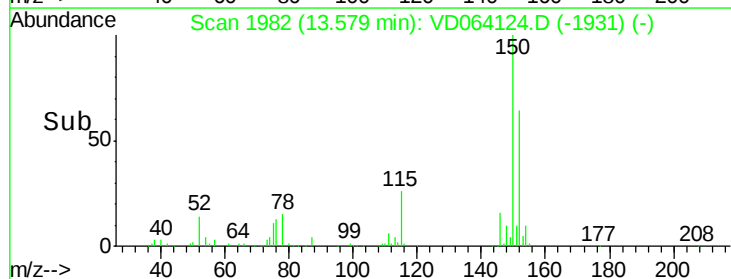
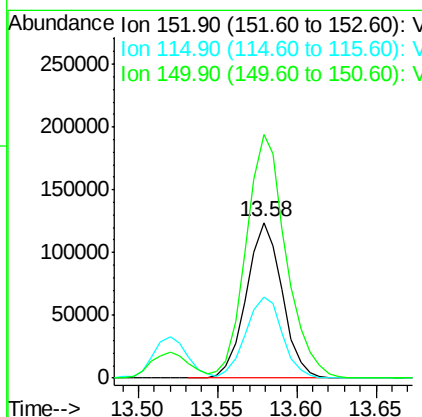
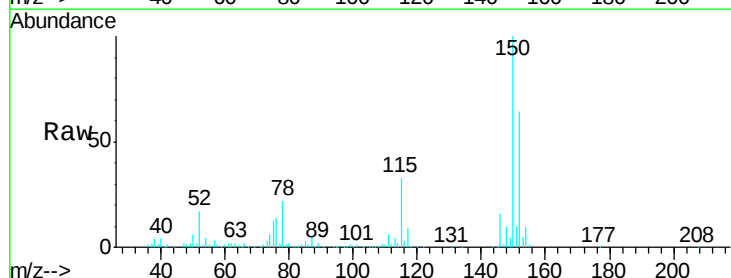
Manual Integrations
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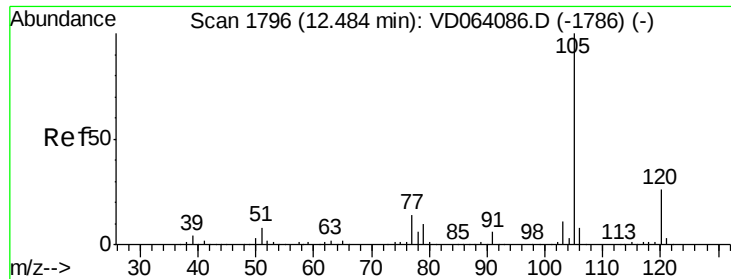
MMDadoda
10/31/2019 3:39:25 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.7	26.2	78.6
150	174.5	0.0	338.8





#73

Isopropylbenzene

Concen: 48.666 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 656395

Ion Ratio Lower Upper

105 100

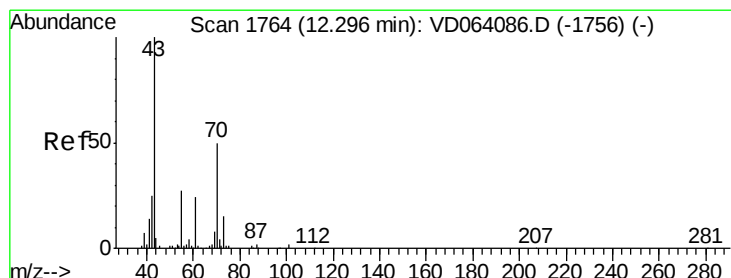
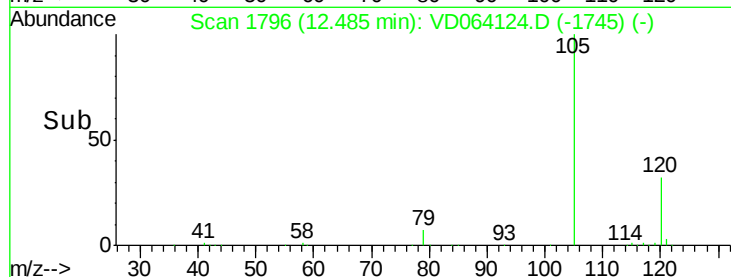
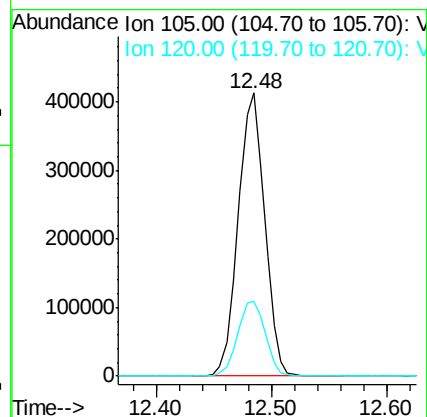
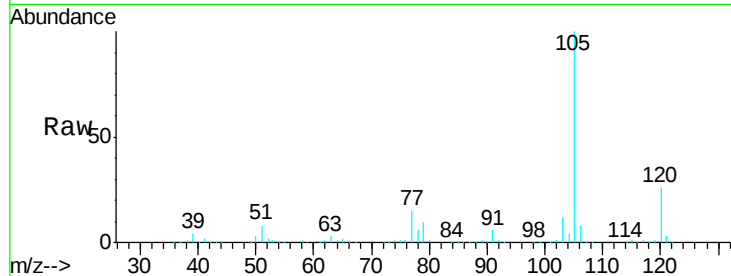
120 27.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 52.013 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Tgt Ion: 43 Resp: 116545

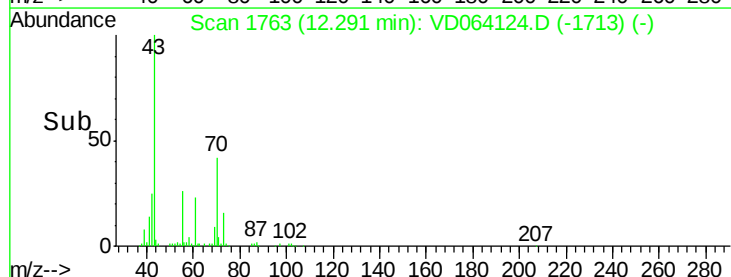
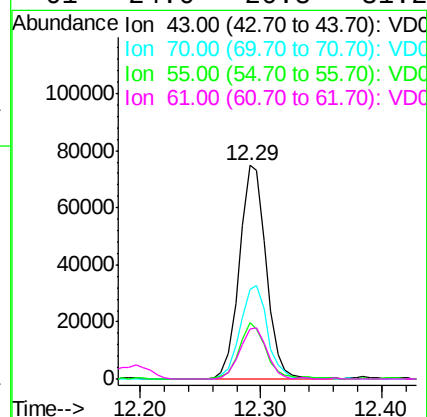
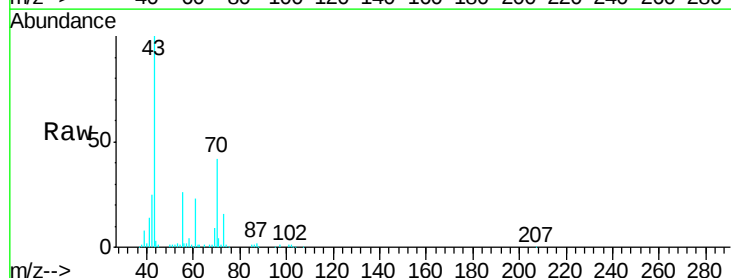
Ion Ratio Lower Upper

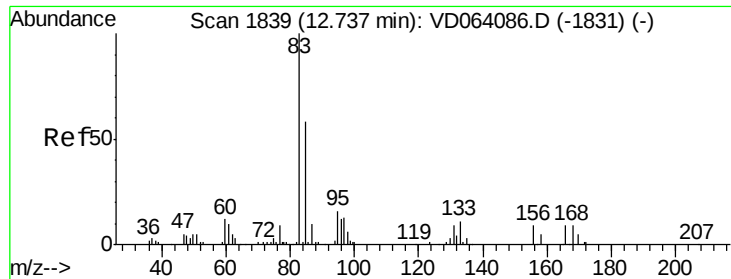
43 100

70 44.9 38.6 58.0

55 26.4 20.4 30.6

61 24.6 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 49.756 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 83 Resp: 105778

Ion Ratio Lower Upper

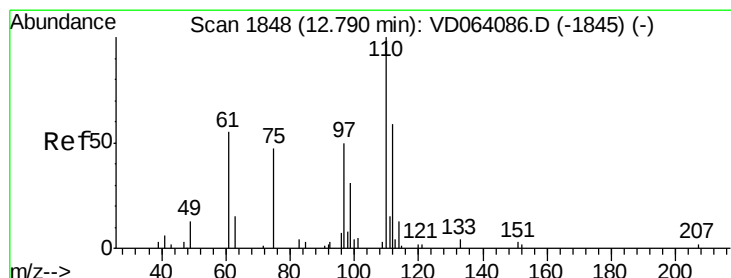
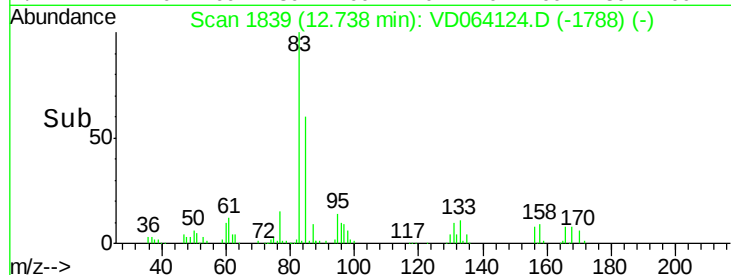
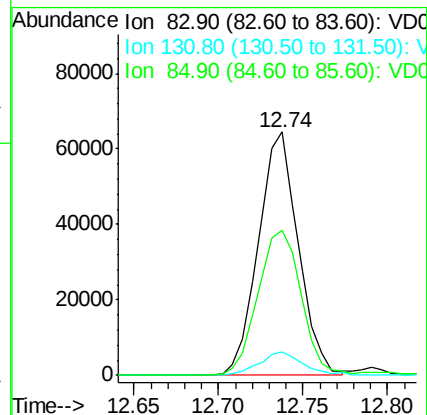
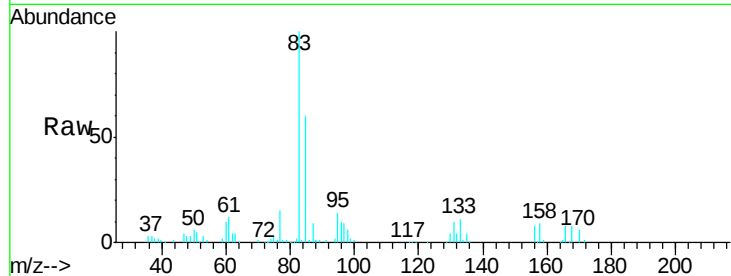
83 100

131 10.8 5.7 17.0

85 64.9 32.1 96.5

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#76

1,2,3-Trichloropropane

Concen: 54.336 ug/l m

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD064124.D

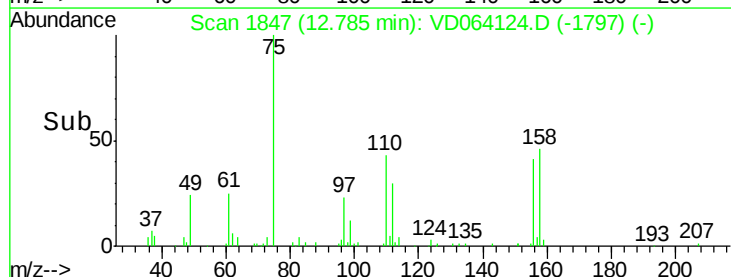
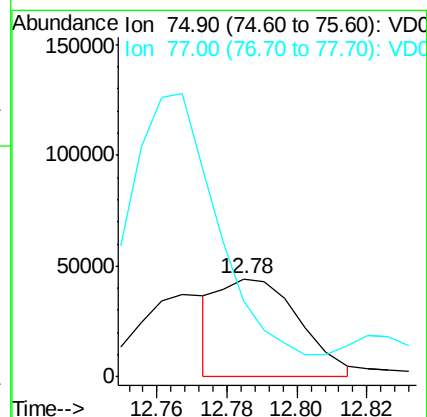
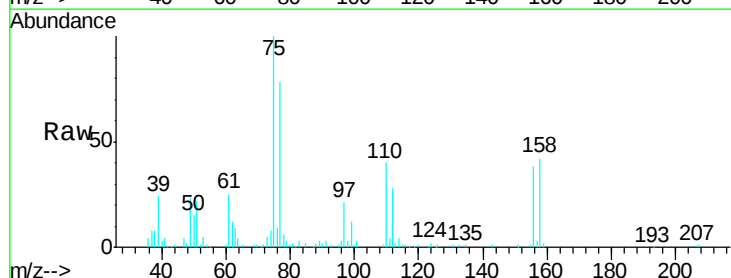
Acq: 30 Oct 2019 20:46

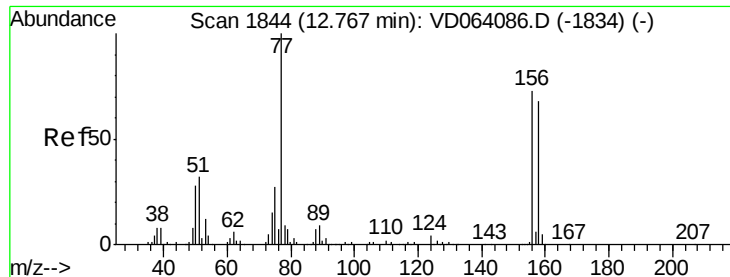
Tgt Ion: 75 Resp: 70866

Ion Ratio Lower Upper

75 100

77 344.2 0.0 0.0#





#77

Bromobenzene

Concen: 50.117 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

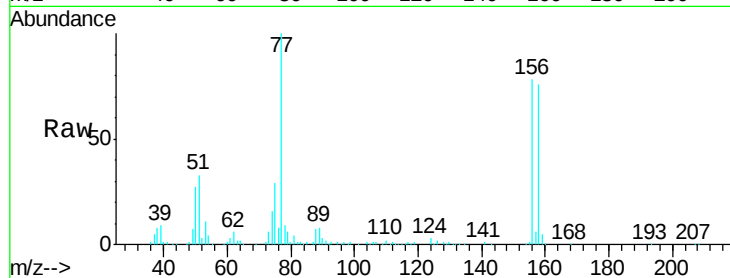
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	149.5	76.0	228.0
158	98.9	47.6	142.8

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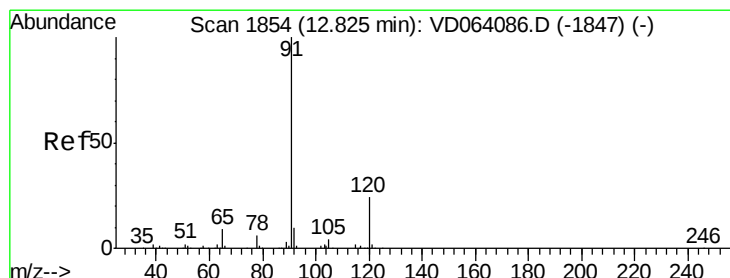
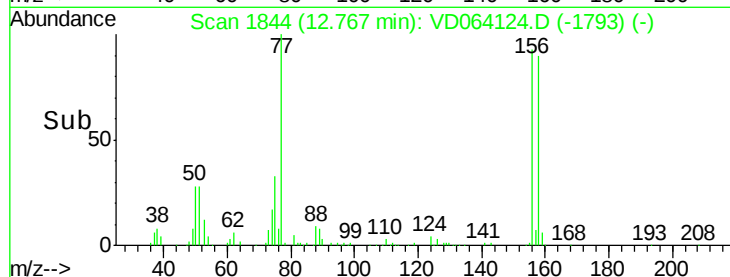
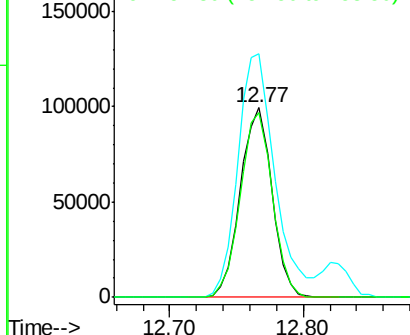
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 47.824 ug/l

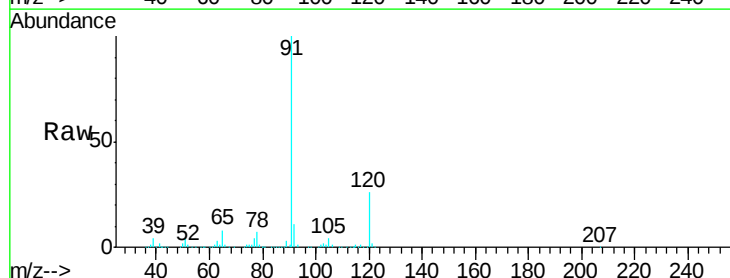
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064124.D

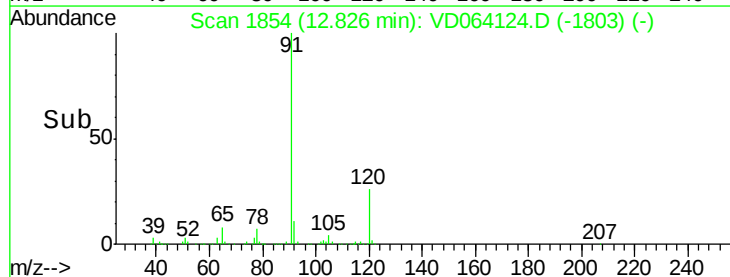
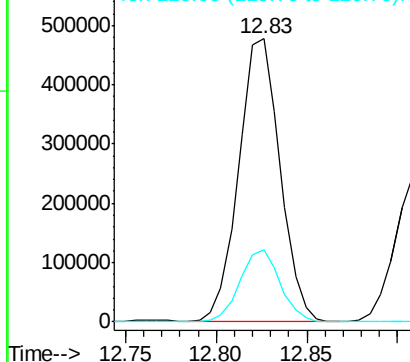
Acq: 30 Oct 2019 20:46

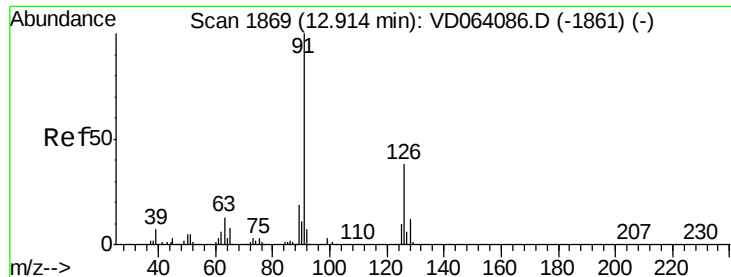
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.1	36.3



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 49.427 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 418789

Ion Ratio Lower Upper

91 100

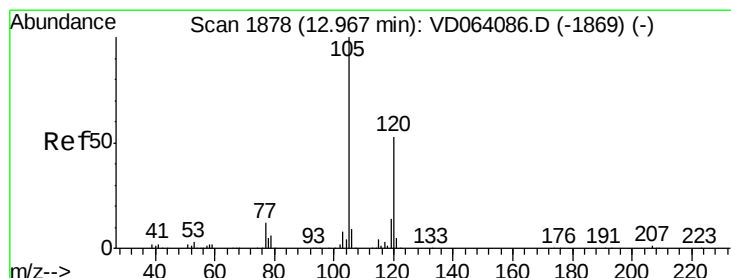
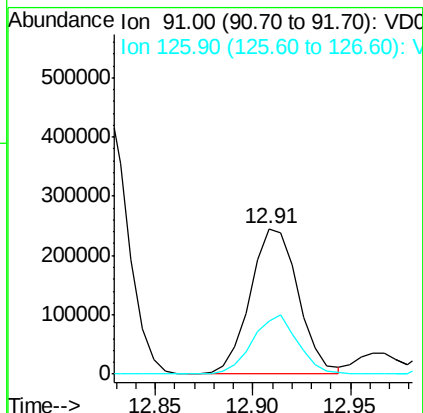
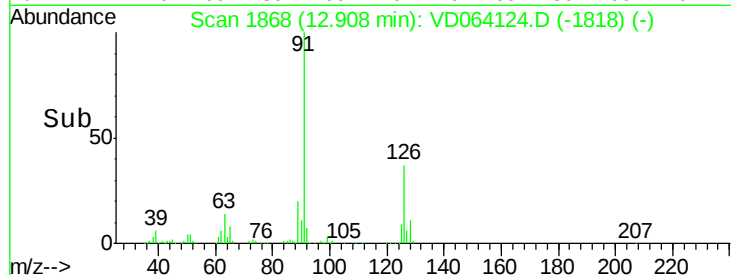
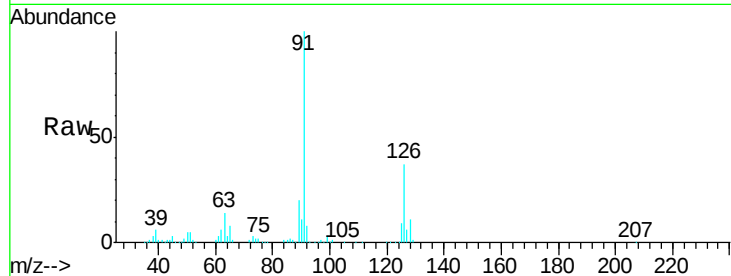
126 38.3 19.1 57.1

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#80

1,3,5-Trimethylbenzene

Concen: 50.071 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD064124.D

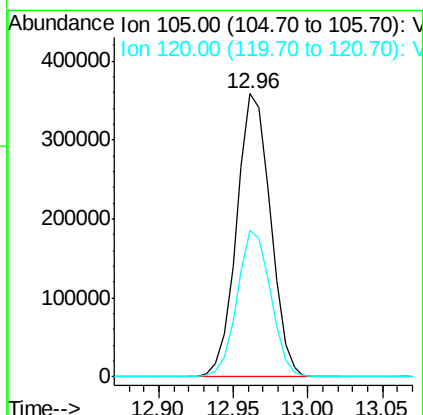
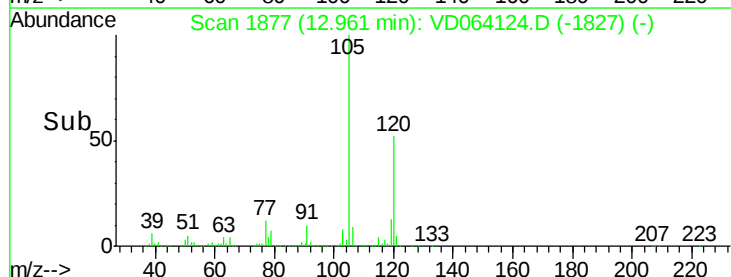
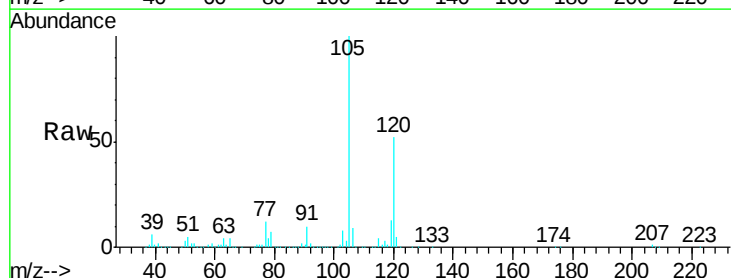
Acq: 30 Oct 2019 20:46

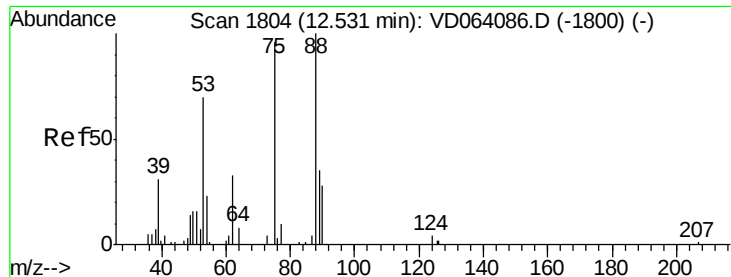
Tgt Ion: 105 Resp: 565204

Ion Ratio Lower Upper

105 100

120 51.3 25.8 77.4





#81

trans-1,4-Dichloro-2-butene

Concen: 49.603 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Instrument :

MSVOA_D

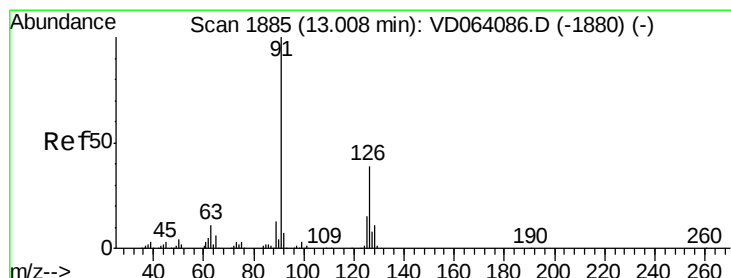
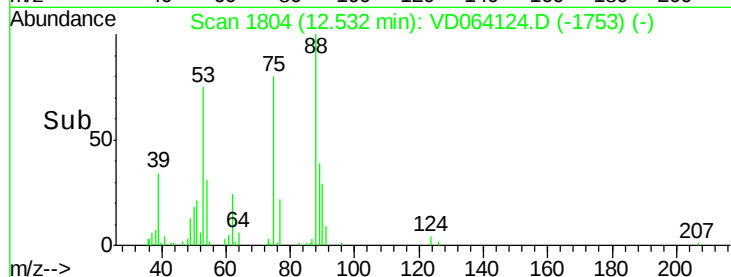
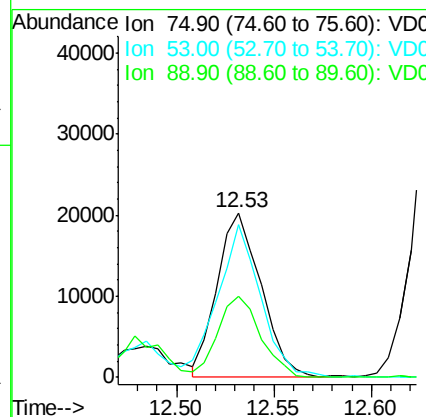
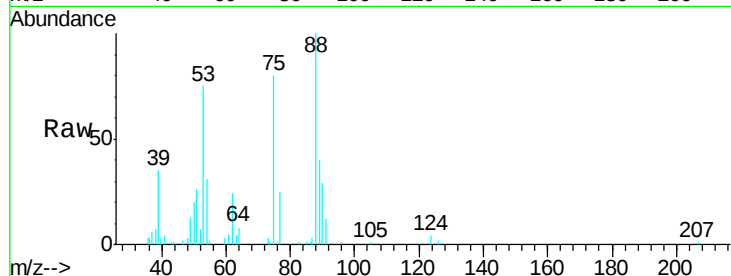
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	75	Resp:	31677
Ion Ratio	Lower	Upper	
75	100		
53	91.1	68.6	103.0
89	47.3	36.9	55.3

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#82

4-Chlorotoluene

Concen: 50.104 ug/l

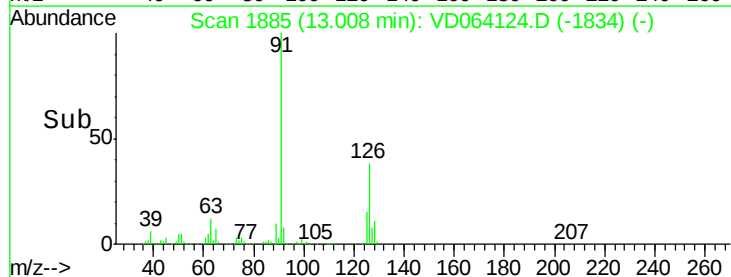
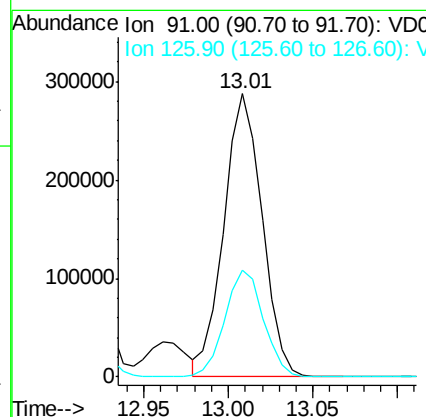
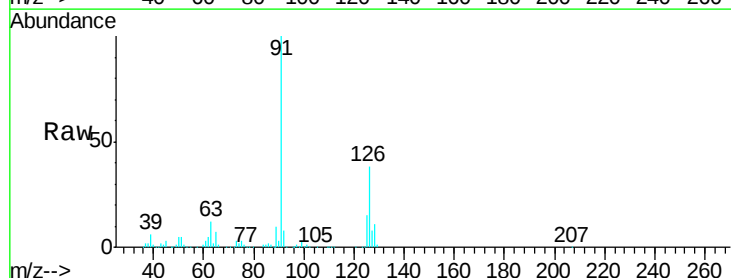
RT: 13.01 min Scan# 1885

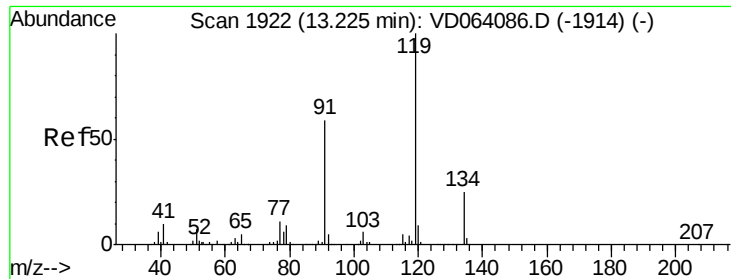
Delta R.T. 0.00 min

Lab File: VD064124.D

Acq: 30 Oct 2019 20:46

Tgt Ion:	91	Resp:	453617
Ion Ratio	Lower	Upper	
91	100		
126	38.2	18.9	56.5





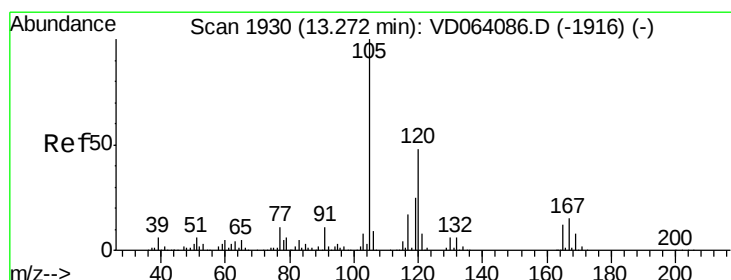
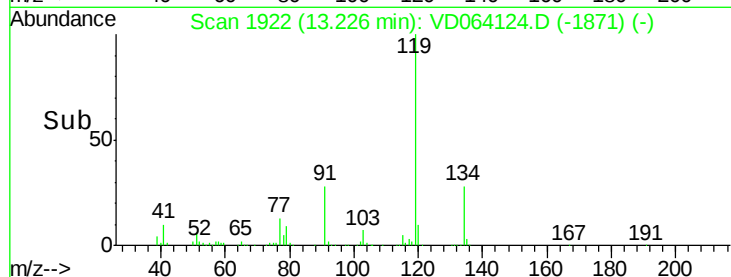
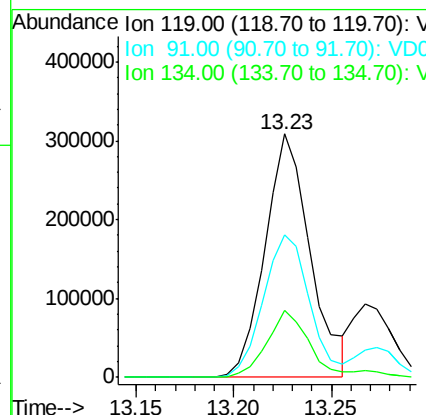
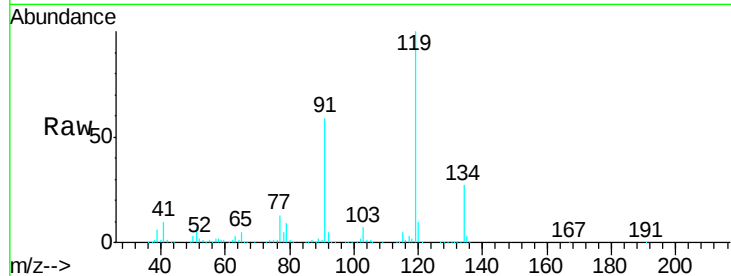
#83
tert-Butylbenzene
Concen: 48.913 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	495920		
91	59.8	28.3	85.0	
134	27.2	12.9	38.6	

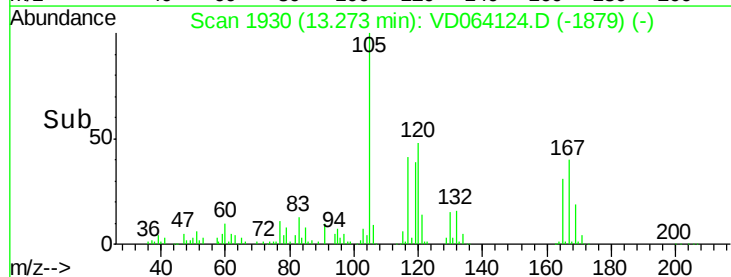
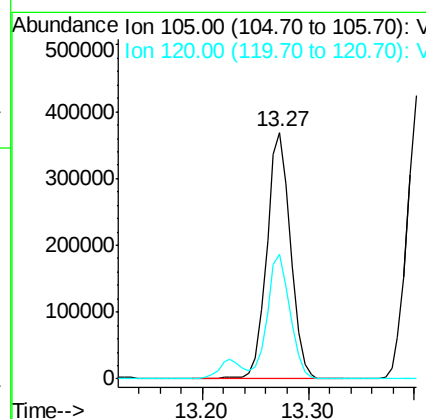
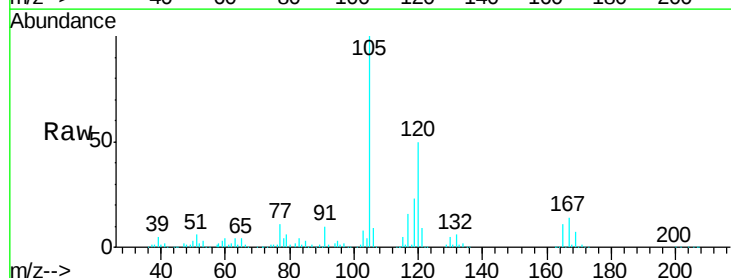
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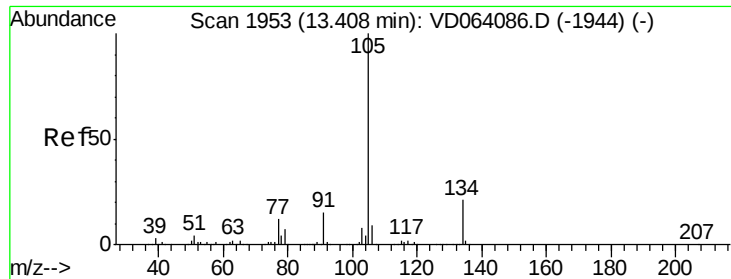
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#84
1,2,4-Trimethylbenzene
Concen: 50.602 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	573804		
120	48.6	24.1	72.4	





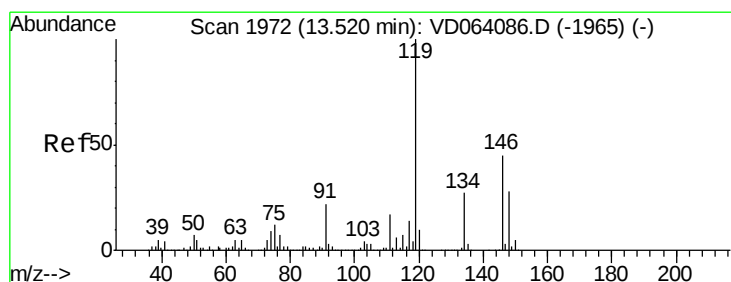
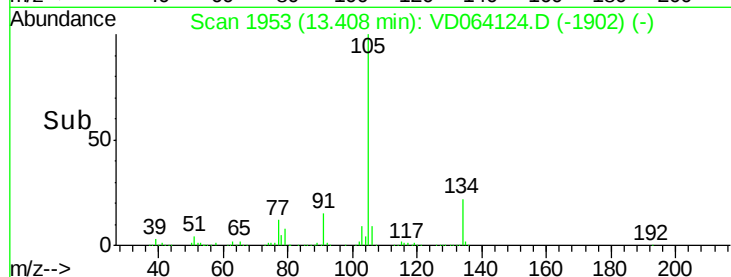
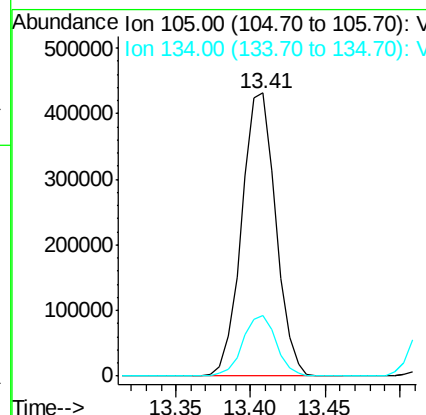
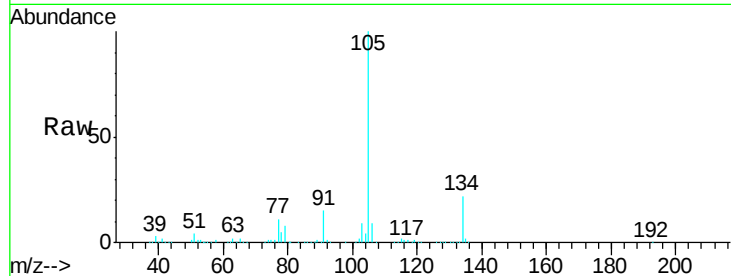
#85
 sec-Butylbenzene
 Concen: 49.102 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:105 Resp: 683666
 Ion Ratio Lower Upper
 105 100
 134 21.1 10.4 31.2

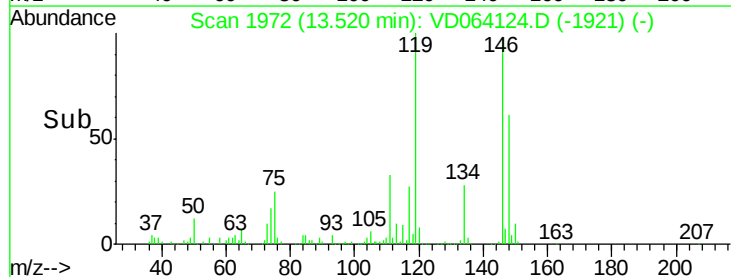
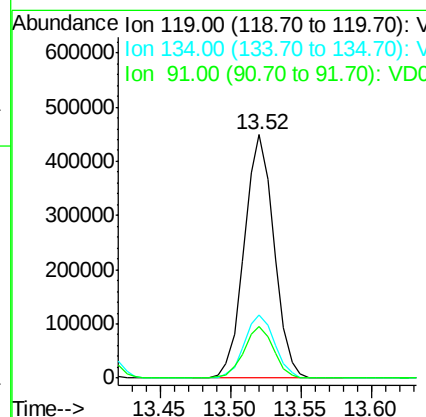
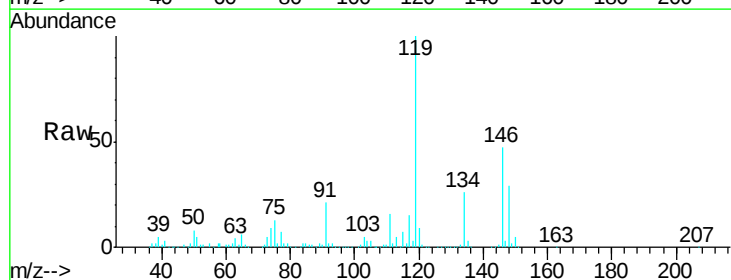
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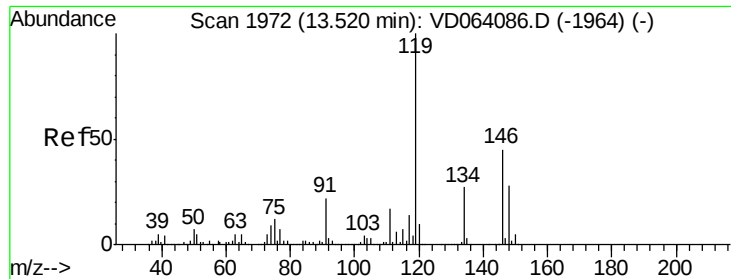
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#86
 p-Isopropyltoluene
 Concen: 50.476 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion:119 Resp: 660334
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.6 40.8
 91 21.1 10.9 32.6





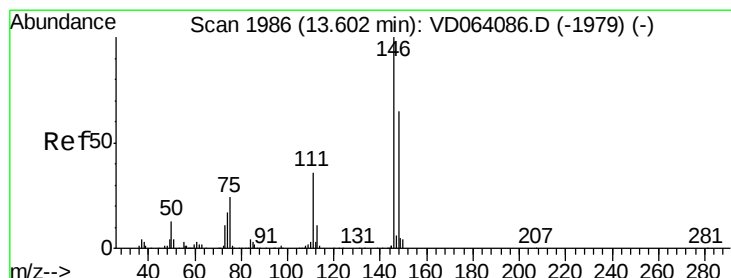
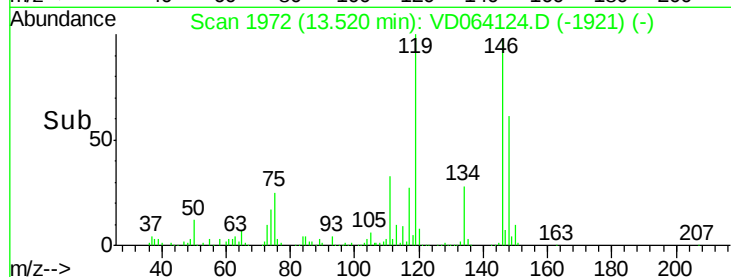
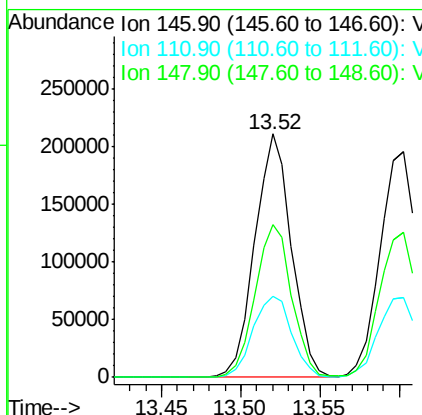
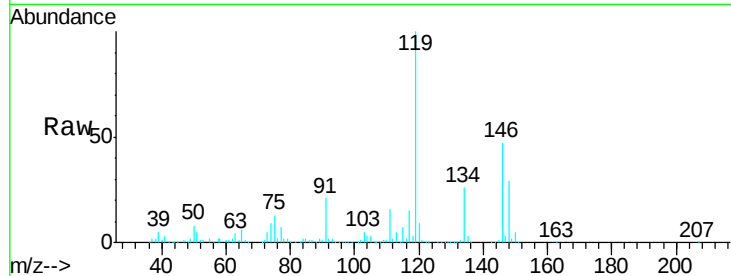
#87
 1,3-Dichlorobenzene
 Concen: 51.756 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.9	56.9
148	62.9	32.1	96.3

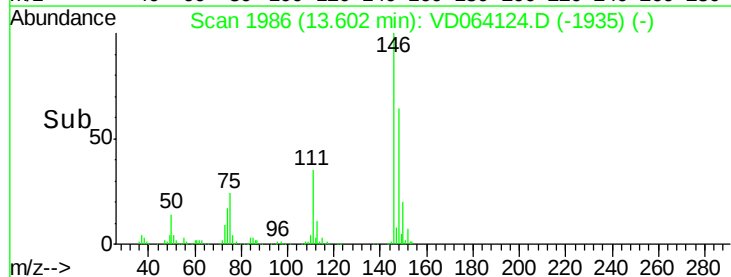
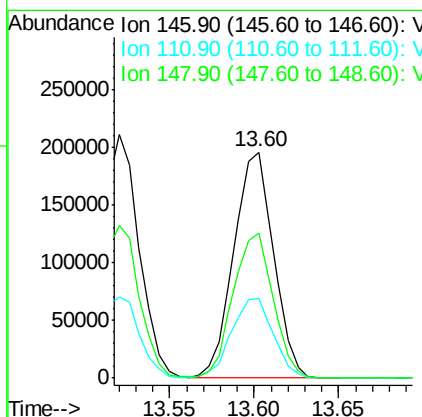
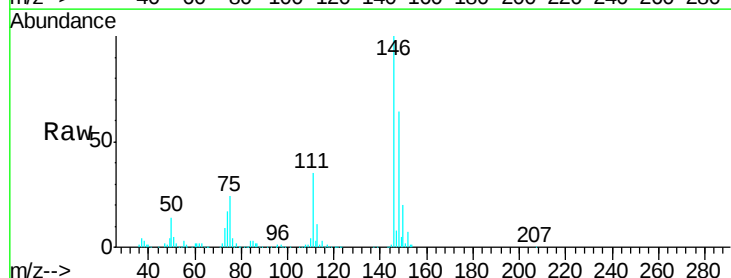
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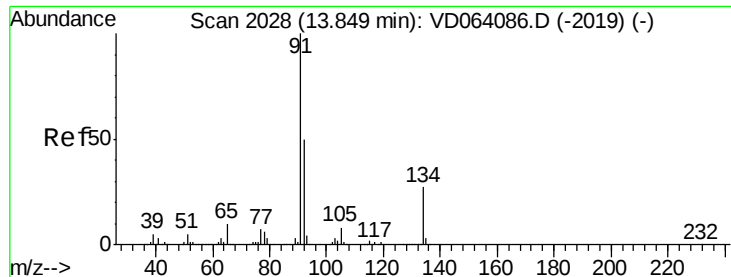
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#88
 1,4-Dichlorobenzene
 Concen: 49.988 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.4
148	64.7	32.4	97.0





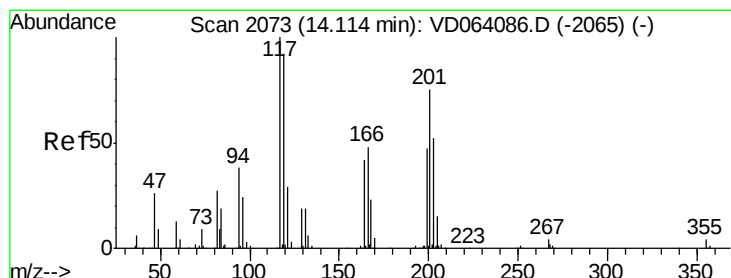
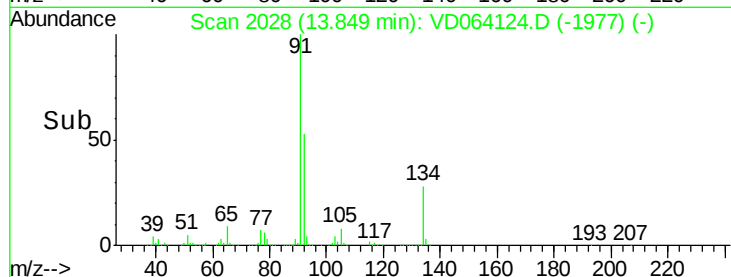
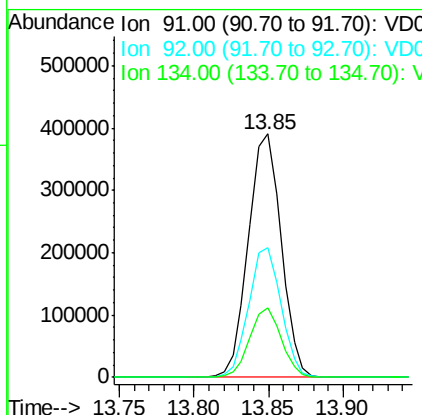
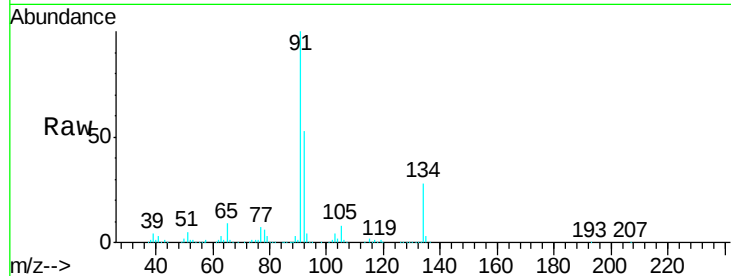
#89
n-Butylbenzene
Concen: 49.249 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 594248
Ion Ratio Lower Upper
91 100
92 52.6 25.6 76.6
134 27.4 14.0 42.0

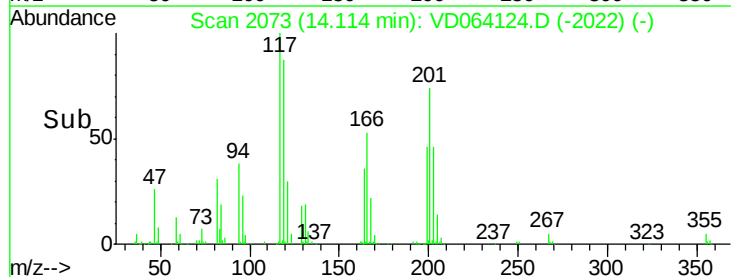
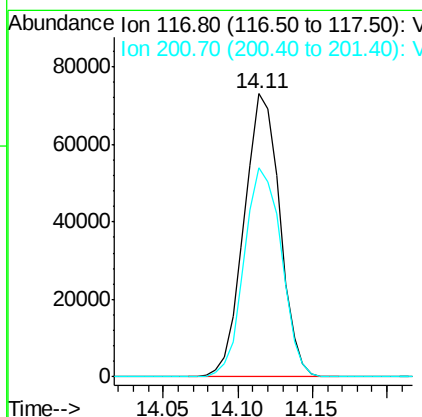
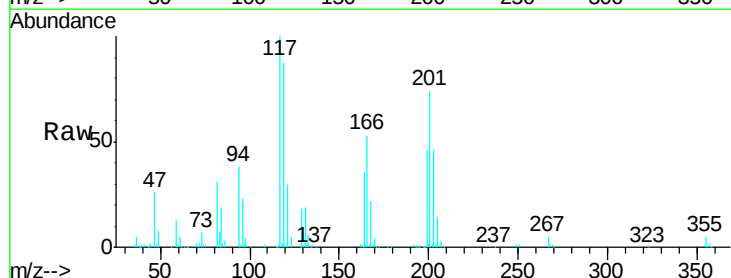
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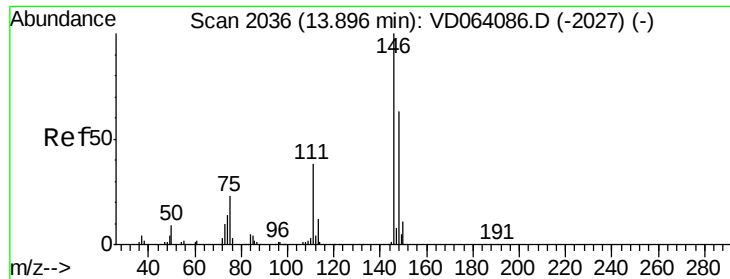
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#90
Hexachloroethane
Concen: 49.429 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion: 117 Resp: 121065
Ion Ratio Lower Upper
117 100
201 77.0 38.4 115.2





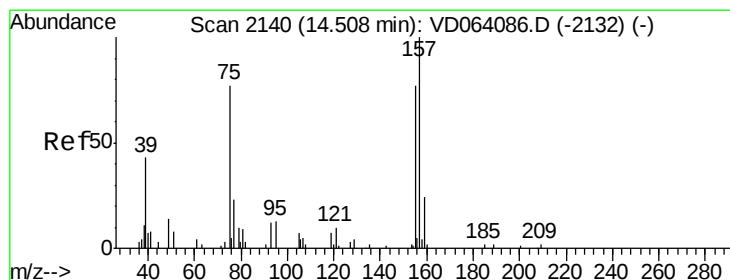
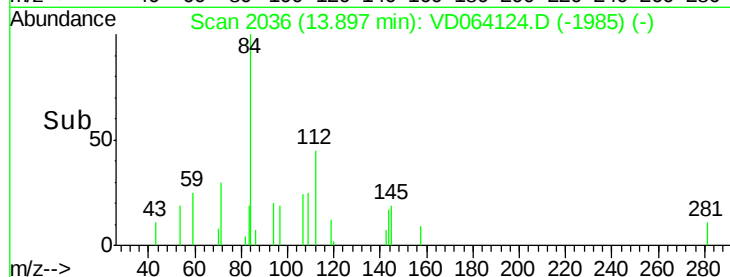
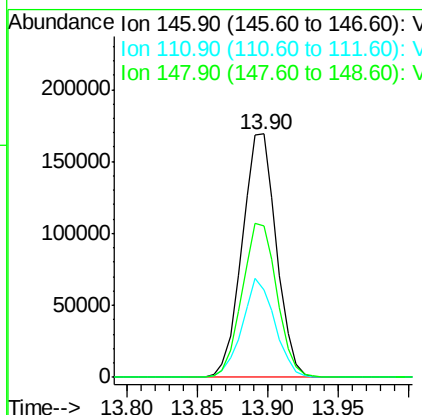
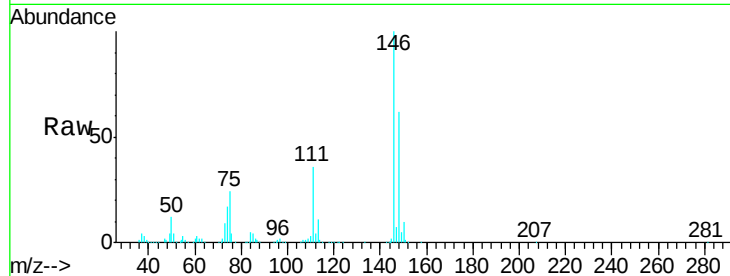
#91
 1,2-Dichlorobenzene
 Concen: 51.143 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.1
148	64.2	32.1	96.5

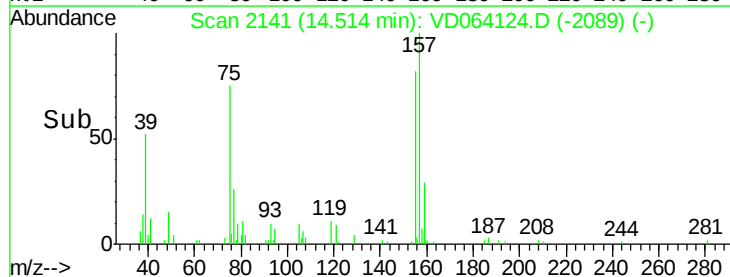
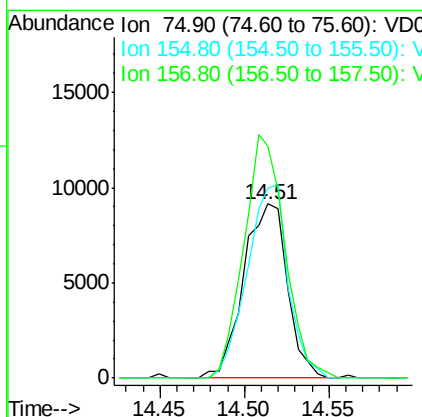
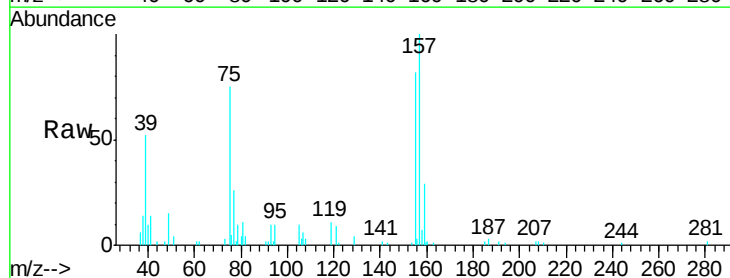
Manual Integrations
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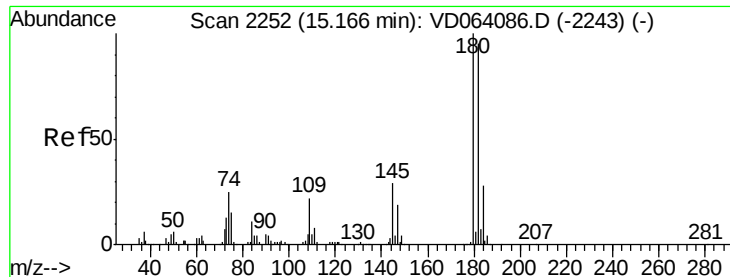
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.010 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	104.2	56.3	168.9
157	131.2	72.2	216.6





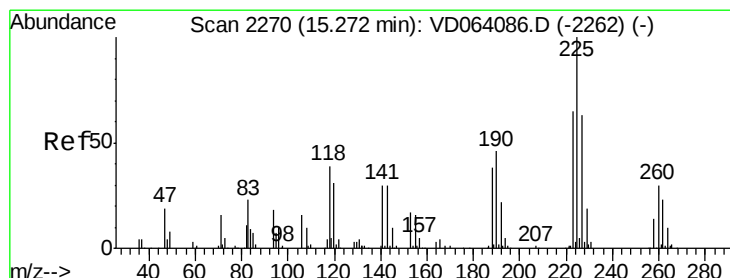
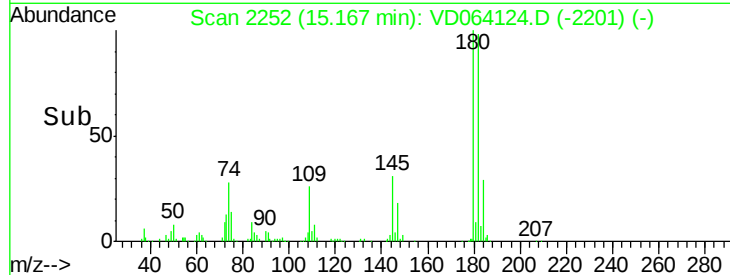
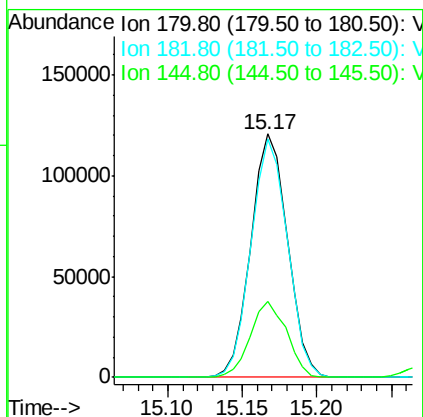
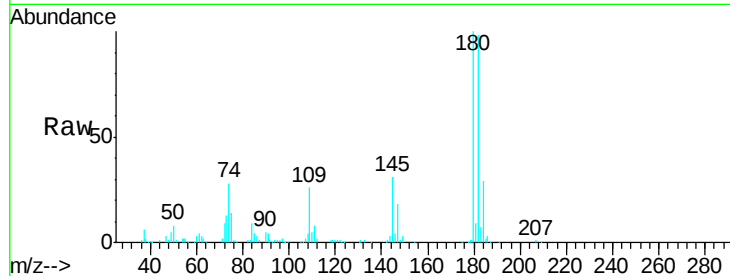
#93
 1,2,4-Trichlorobenzene
 Concen: 50.775 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	204985		
182	97.3	46.9	140.7	
145	30.9	14.2	42.6	

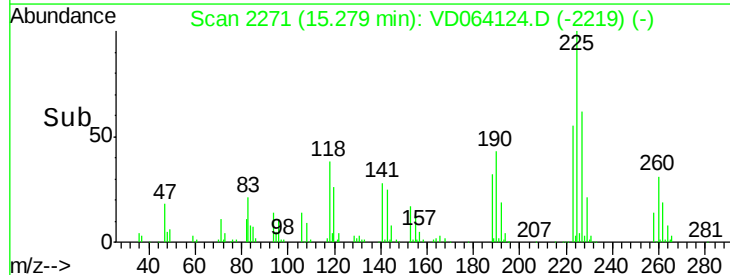
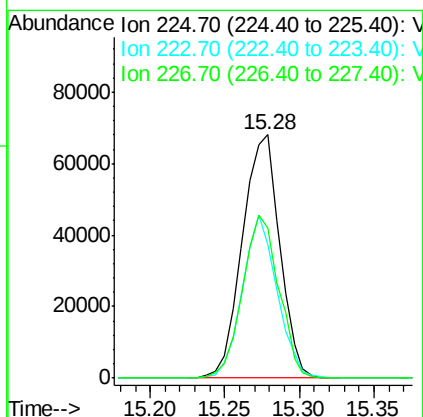
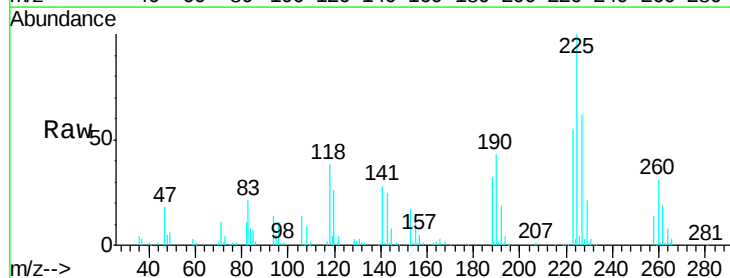
Manual Integrations
 APPROVED

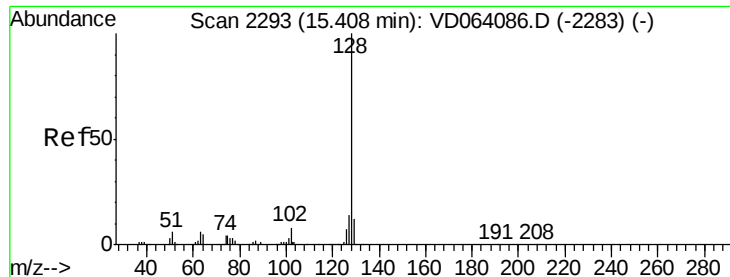
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#94
 Hexachlorobutadiene
 Concen: 50.054 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064124.D
 Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	118102		
223	62.0	30.8	92.3	
227	64.8	31.7	95.1	





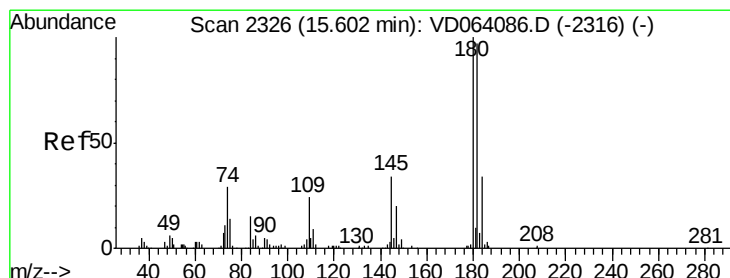
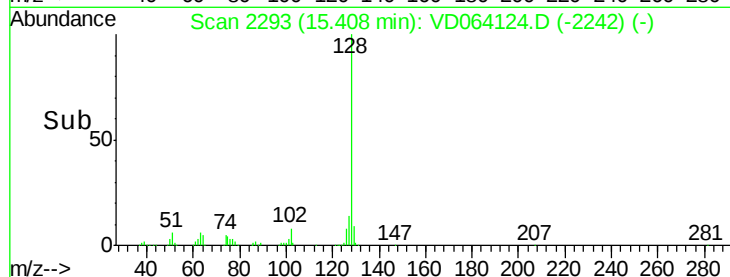
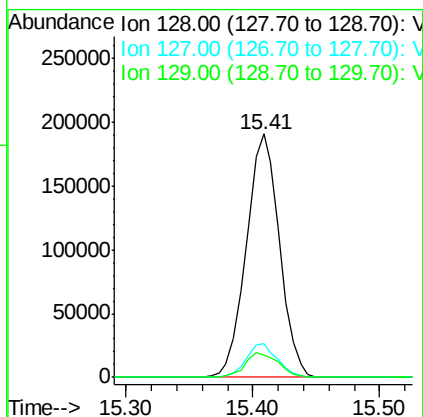
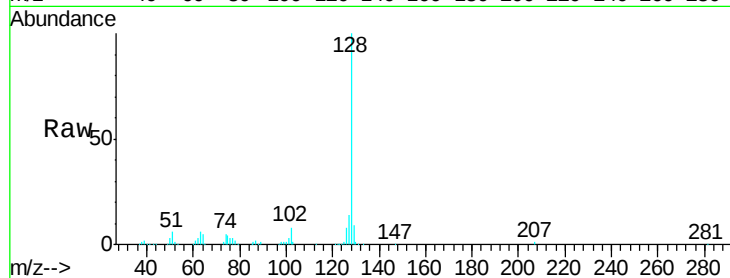
#95
Naphthalene
Concen: 52.573 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	346144		
127	13.4	10.9	16.3	
129	10.2	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 49.612 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD064124.D
Acq: 30 Oct 2019 20:46

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	173487		
182	99.1	48.4	145.0	
145	31.2	16.4	49.4	

