

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103119\
 Data File : VD064126.D
 Acq On : 31 Oct 2019 11:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/1/2019 12:06:58 PM

Quant Time: Nov 01 08:16:48 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	7.98	168	252962	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	361142	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	362757	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	205471	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	99577	49.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.00%	
35) Dibromofluoromethane	7.91	113	110383	49.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.36%	
50) Toluene-d8	10.34	98	448890	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
62) 4-Bromofluorobenzene	12.64	95	148973	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	124102	48.045	ug/l	95
3) Chloromethane	2.21	50	195780	45.427	ug/l	99
4) Vinyl Chloride	2.35	62	220533	47.187	ug/l	100
5) Bromomethane	2.77	94	142368	46.742	ug/l	100
6) Chloroethane	2.92	64	133267	45.909	ug/l	96
7) Trichlorofluoromethane	3.27	101	306890	47.700	ug/l	96
8) Diethyl Ether	3.71	74	51472	46.026	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.08	101	113209	48.827	ug/l	99
10) Methyl Iodide	4.29	142	136391	47.481	ug/l	98
11) Tert butyl alcohol	5.26	59	24294m	210.855	ug/l	
12) 1,1-Dichloroethene	4.06	96	104378	47.567	ug/l	85
13) Acrolein	3.92	56	28024	218.464	ug/l	97
14) Allyl chloride	4.71	41	124281	48.390	ug/l	97
15) Acrylonitrile	5.43	53	96046	232.507	ug/l	98
16) Acetone	4.17	43	105224	274.889	ug/l	97
17) Carbon Disulfide	4.40	76	323280	47.941	ug/l	98
18) Methyl Acetate	4.72	43	46281	45.453	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	206276	46.326	ug/l	99
20) Methylene Chloride	4.96	84	120309	49.130	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	119089	48.346	ug/l #	91
22) Diisopropyl ether	6.37	45	270282	47.518	ug/l	97
23) Vinyl Acetate	6.31	43	770216	247.035	ug/l #	93
24) 1,1-Dichloroethane	6.27	63	179161	46.645	ug/l	99
25) 2-Butanone	7.23	43	123532	233.436	ug/l	98
26) 2,2-Dichloropropane	7.21	77	172048	47.194	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	129387	46.942	ug/l	99
28) Bromochloromethane	7.54	49	71283	47.719	ug/l	96
29) Tetrahydrofuran	7.57	42	71689	232.120	ug/l	95
30) Chloroform	7.71	83	204018	46.419	ug/l	94
31) Cyclohexane	7.98	56	165776	44.301	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	198592	48.540	ug/l	97
36) 1,1-Dichloropropene	8.11	75	165265	48.837	ug/l	99
37) Ethyl Acetate	7.30	43	52144	50.062	ug/l #	94
38) Carbon Tetrachloride	8.10	117	183663	49.744	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	206255	49.651	ug/l	95
40) Benzene	8.35	78	444572	48.176	ug/l	100
41) Methacrylonitrile	7.53	41	30715	51.098	ug/l	88
42) 1,2-Dichloroethane	8.43	62	117765	48.312	ug/l	99
43) Isopropyl Acetate	8.46	43	103218	49.034	ug/l	99
44) Trichloroethene	9.11	130	140853	50.360	ug/l	97
45) 1,2-Dichloropropane	9.39	63	103540	48.415	ug/l	92
46) Dibromomethane	9.48	93	62515	48.536	ug/l	97
47) Bromodichloromethane	9.67	83	162553	50.026	ug/l	96
48) Methyl methacrylate	9.46	41	51259	52.657	ug/l	93
49) 1,4-Dioxane	9.47	88	14987	1016.519	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	282673	246.666	ug/l	99
52) Toluene	10.41	92	322790	49.913	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	152826	50.385	ug/l	88
54) cis-1,3-Dichloropropene	10.09	75	176869	49.563	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	84796	46.435	ug/l	95
56) Ethyl methacrylate	10.67	69	101615	46.036	ug/l	98
57) 1,3-Dichloropropane	10.95	76	148014	49.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	216754	270.929	ug/l	98
59) 2-Hexanone	10.99	43	205331	229.345	ug/l	99
60) Dibromochloromethane	11.14	129	124841	50.368	ug/l	99
61) 1,2-Dibromoethane	11.25	107	90704	49.662	ug/l	96
64) Tetrachloroethene	10.88	164	126139	48.402	ug/l	97
65) Chlorobenzene	11.67	112	363172	48.453	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	132462	47.230	ug/l	97
67) Ethyl Benzene	11.75	91	654641	49.104	ug/l	95
68) m/p-Xylenes	11.86	106	535998	99.955	ug/l	98
69) o-Xylene	12.18	106	247669	50.608	ug/l	100
70) Styrene	12.20	104	424764	50.325	ug/l	99
71) Bromoform	12.37	173	73118	48.815	ug/l #	98
73) Isopropylbenzene	12.48	105	687495	48.150	ug/l	100
74) N-amyl acetate	12.30	43	113304	47.767	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	99938	44.406	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	73119m	52.960	ug/l	
77) Bromobenzene	12.77	156	161471	46.839	ug/l	99
78) n-propylbenzene	12.83	91	819104	48.953	ug/l	99
79) 2-Chlorotoluene	12.91	91	425402	47.428	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	579340	48.481	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	34179	50.558	ug/l	100
82) 4-Chlorotoluene	13.01	91	461980	48.203	ug/l	100
83) tert-Butylbenzene	13.23	119	522712	48.701	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	598085	49.823	ug/l	99
85) sec-Butylbenzene	13.41	105	736631	49.977	ug/l	100
86) p-Isopropyltoluene	13.52	119	698529	50.440	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	337800	48.897	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	332202	48.780	ug/l	98
89) n-Butylbenzene	13.85	91	641633	50.232	ug/l	98
90) Hexachloroethane	14.11	117	121744	46.954	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	286740	48.228	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14840	45.150	ug/l	94

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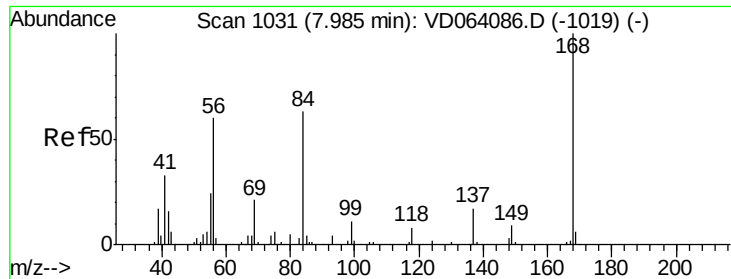
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	208484	48.783	ug/l	99
94) Hexachlorobutadiene	15.27	225	125482	50.237	ug/l	100
95) Naphthalene	15.41	128	337673	48.447	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	176514	47.683	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 168 Resp: 252962

Ion Ratio Lower Upper

168 100

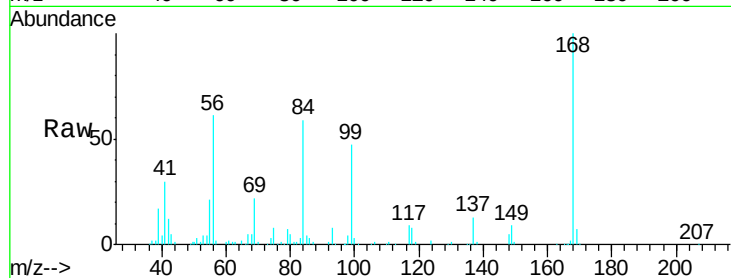
99 46.6 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

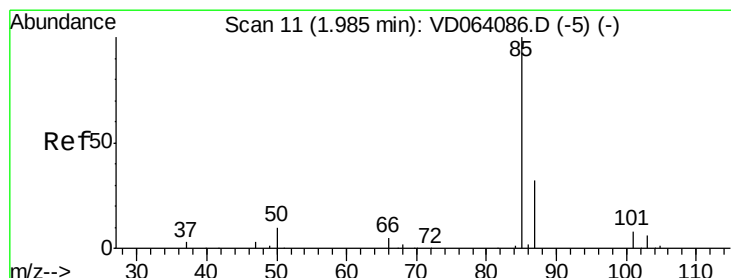
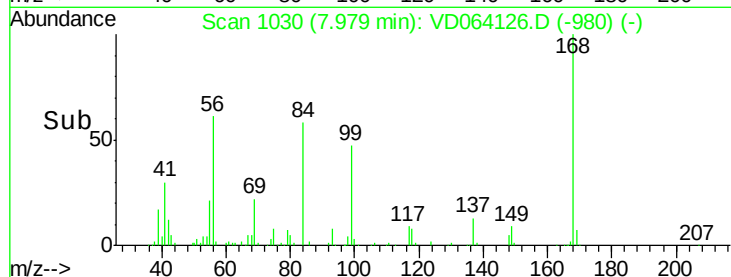
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50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 48.045 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064126.D

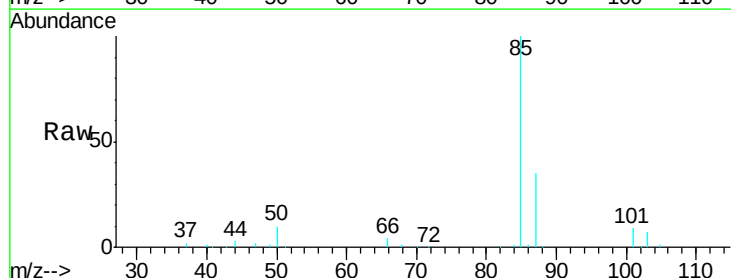
Acq: 31 Oct 2019 11:52

Tgt Ion: 85 Resp: 124102

Ion Ratio Lower Upper

85 100

87 34.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

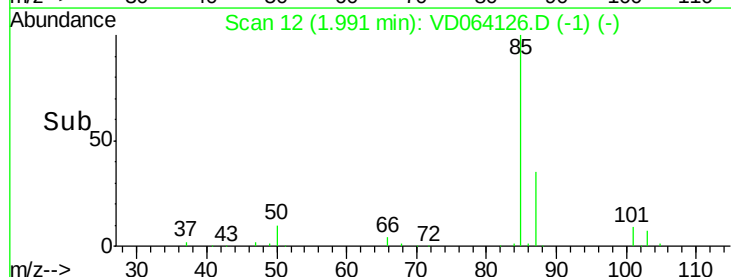
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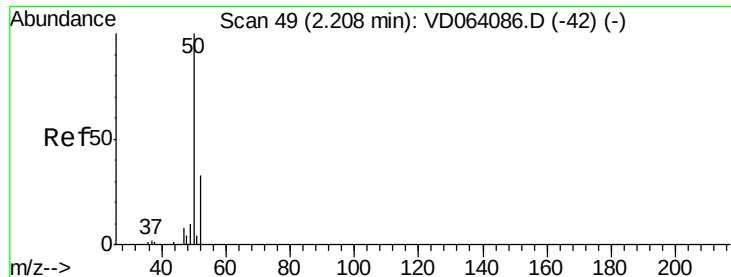
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 45.427 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 50 Resp: 195780

Ion Ratio Lower Upper

50 100

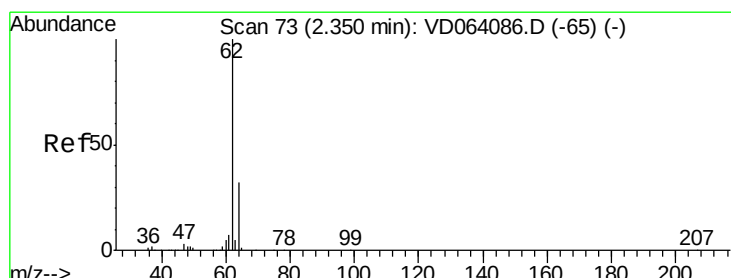
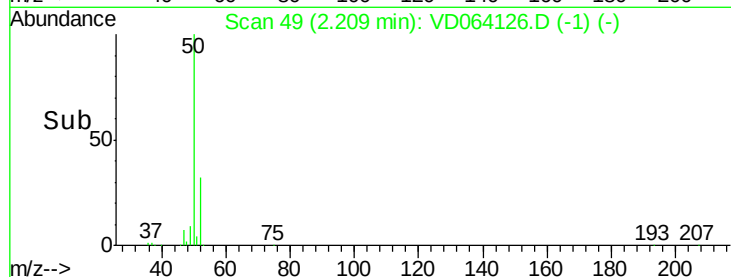
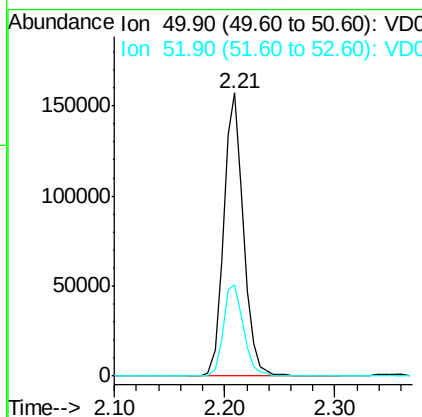
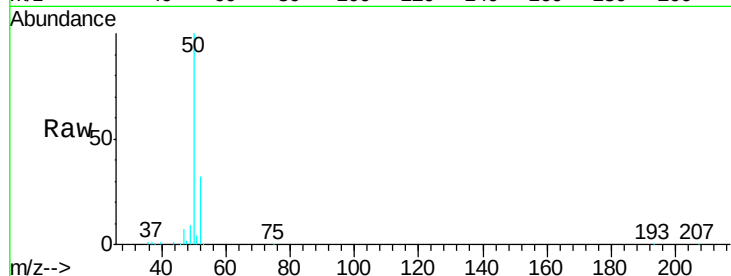
52 32.5 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 47.187 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064126.D

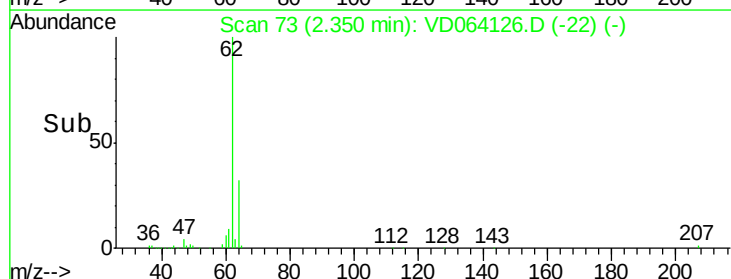
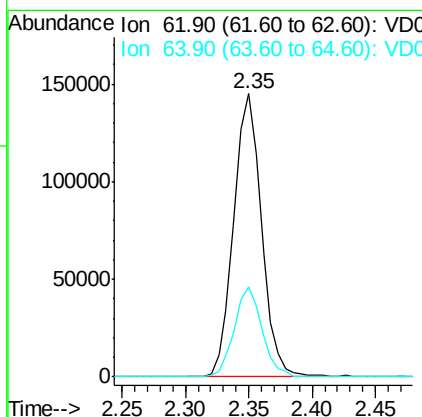
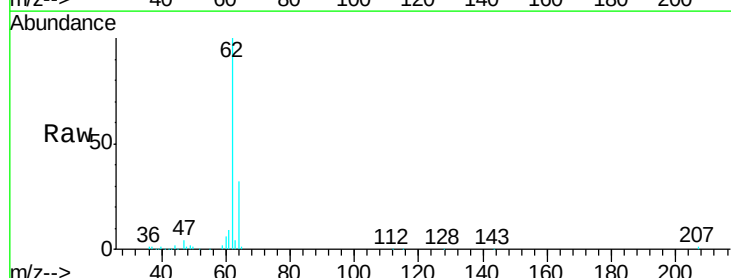
Acq: 31 Oct 2019 11:52

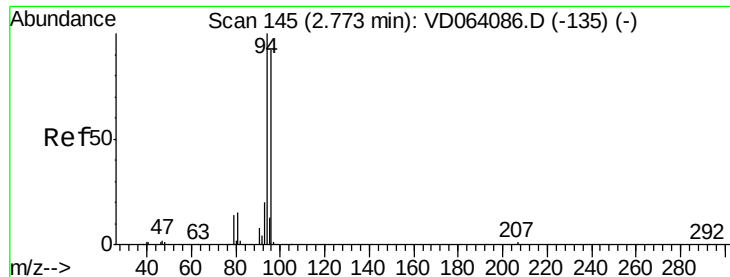
Tgt Ion: 62 Resp: 220533

Ion Ratio Lower Upper

62 100

64 31.7 25.6 38.4





#5

Bromomethane

Concen: 46.742 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 94 Resp: 142368

Ion Ratio Lower Upper

94 100

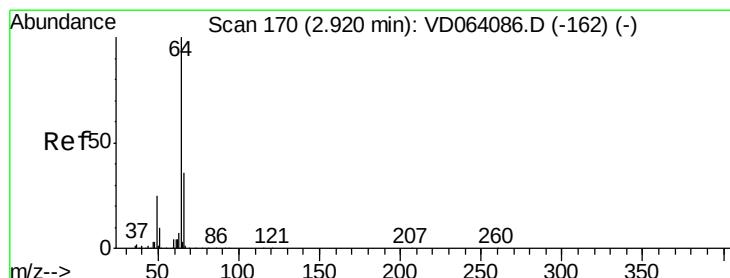
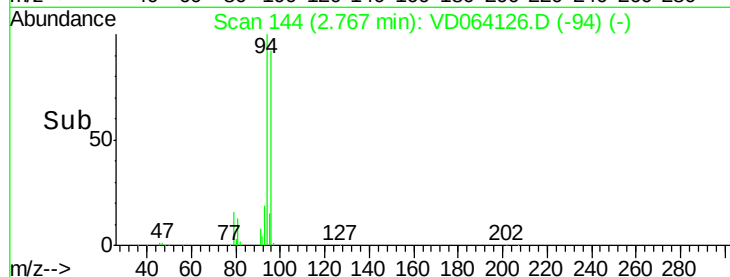
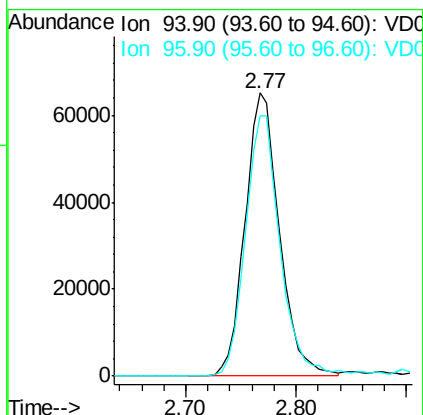
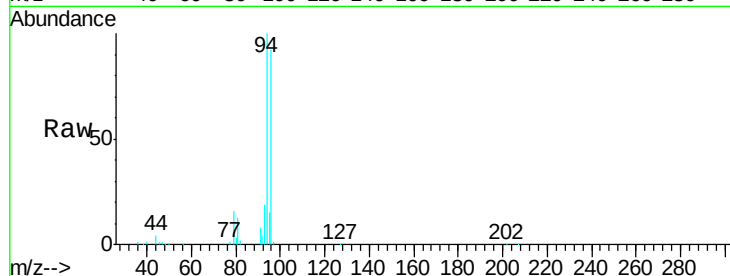
96 92.1 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 45.909 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064126.D

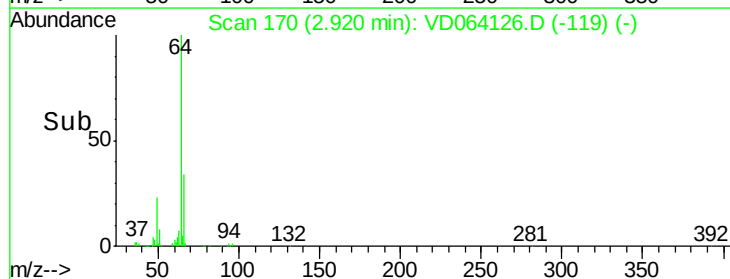
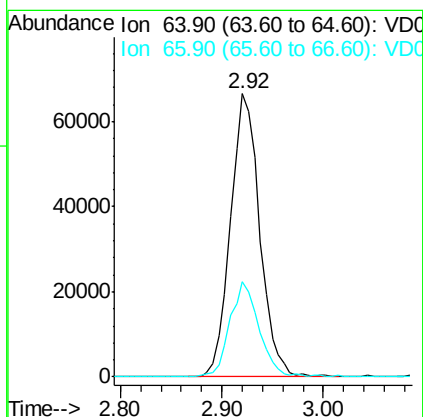
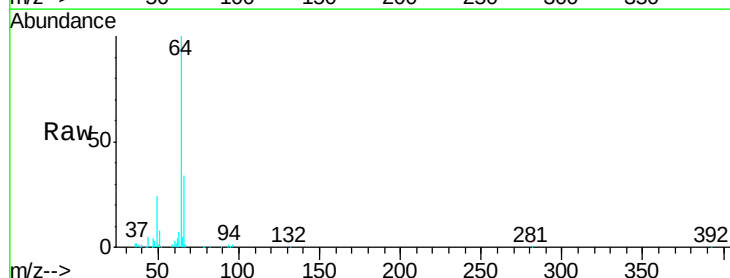
Acq: 31 Oct 2019 11:52

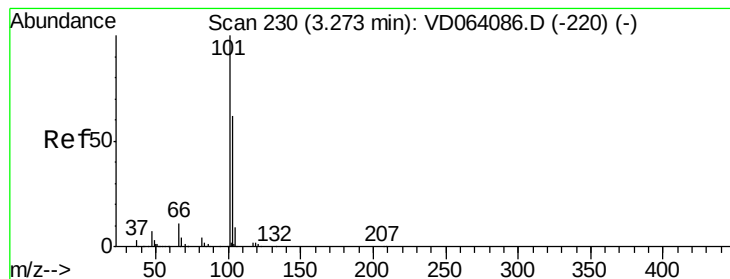
Tgt Ion: 64 Resp: 133267

Ion Ratio Lower Upper

64 100

66 33.6 28.7 43.1





#7

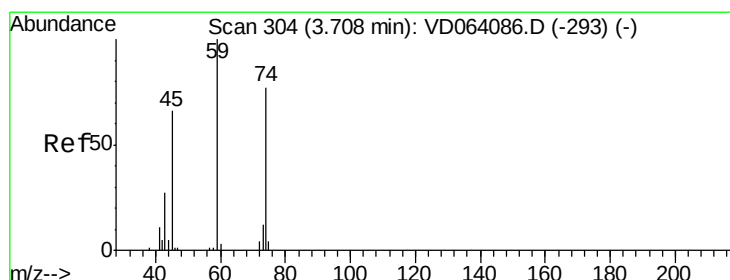
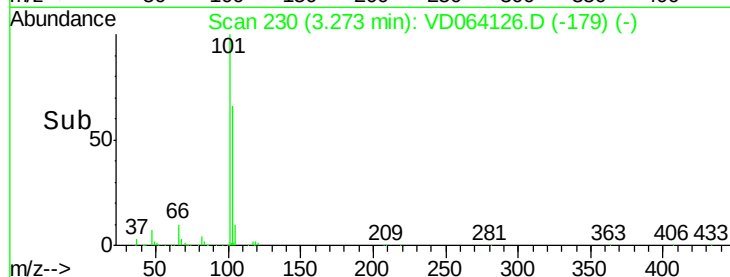
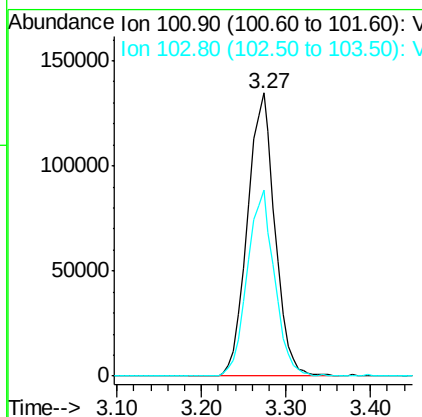
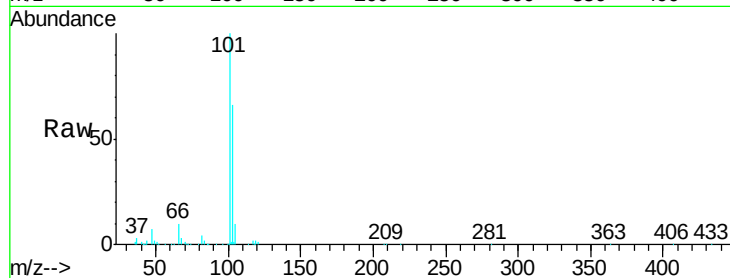
Trichlorofluoromethane
 Concen: 47.700 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
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 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	306890		
103	65.4	49.6	74.4	

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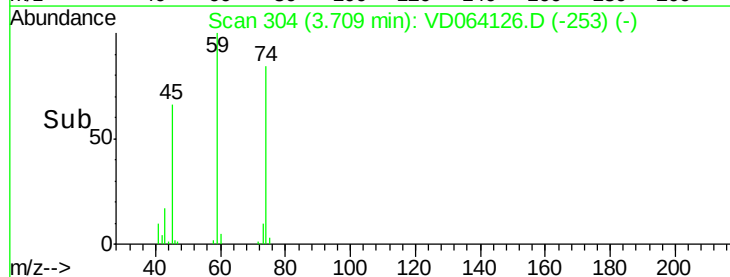
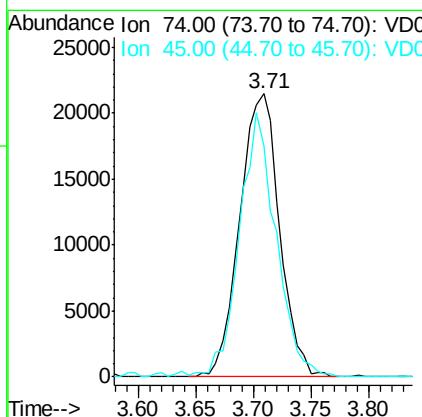
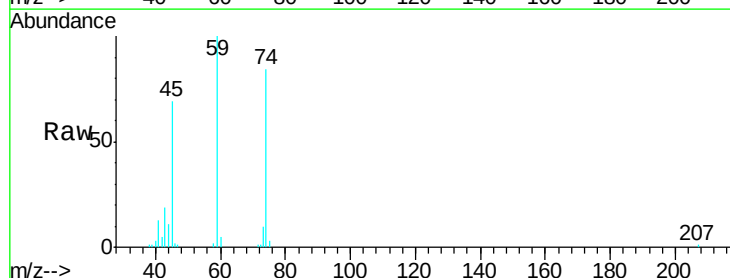
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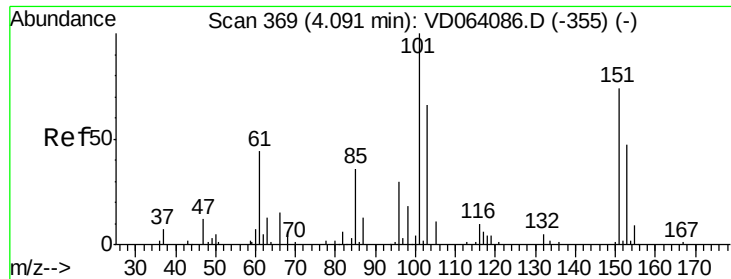


#8

Diethyl Ether
 Concen: 46.026 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51472		
45	85.9	44.1	132.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.827 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

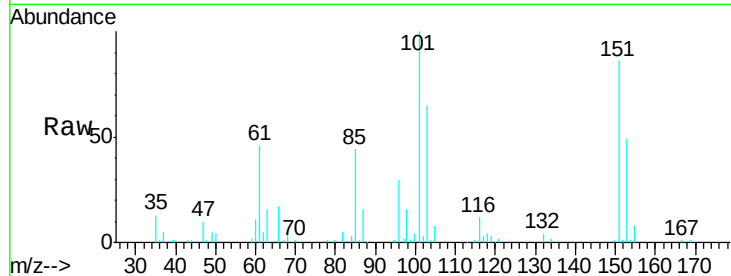
ClientSampleId :

VSTDCCC050

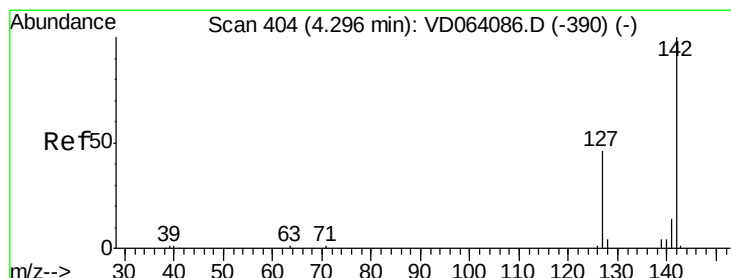
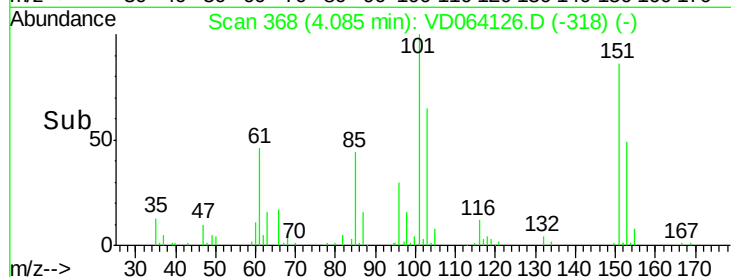
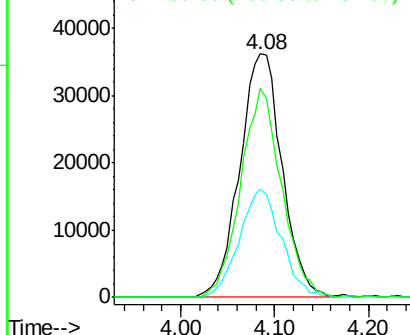
Tgt Ion:	101	Resp:	113209
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.3	52.9
151	82.5	67.0	100.6

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



#10

Methyl Iodide

Concen: 47.481 ug/l

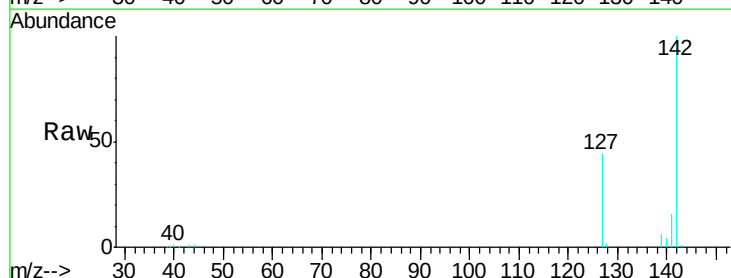
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

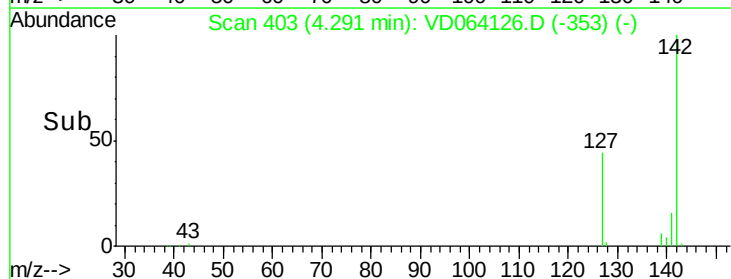
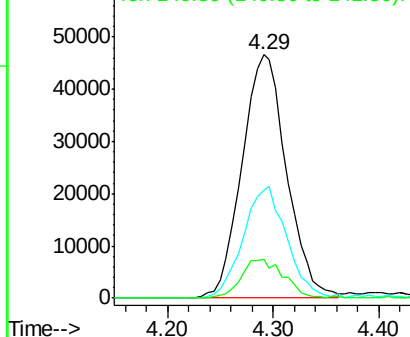
Lab File: VD064126.D

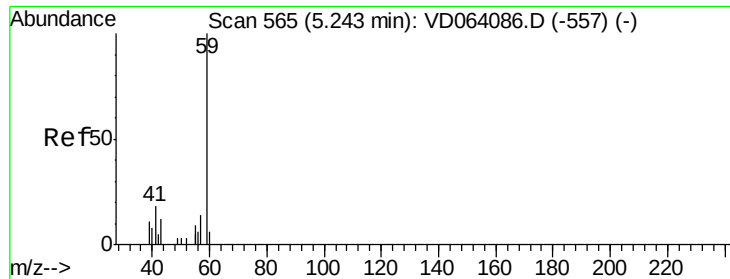
Acq: 31 Oct 2019 11:52

Tgt Ion:	142	Resp:	136391
Ion Ratio	Lower	Upper	
142	100		
127	44.9	35.1	52.7
141	15.3	11.6	17.4



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





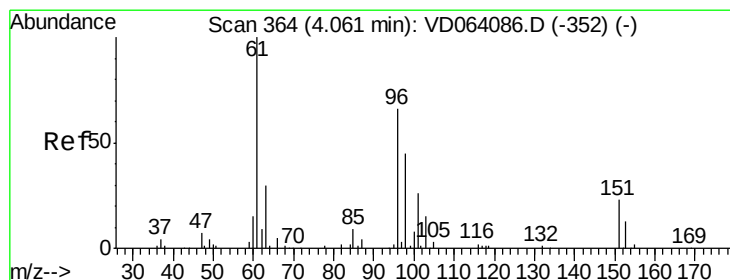
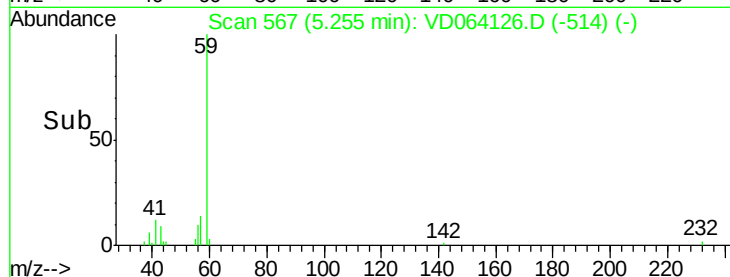
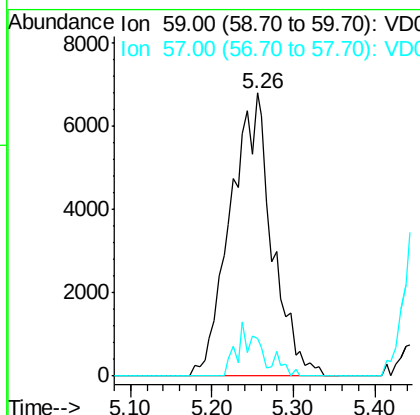
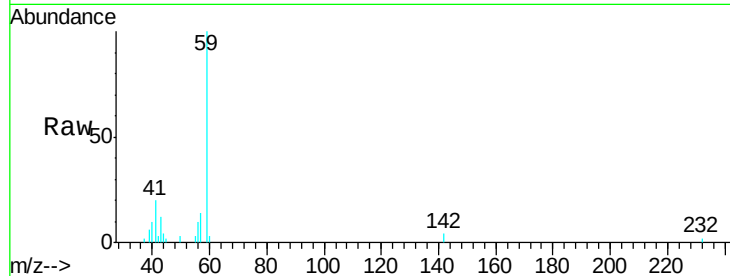
#11
Tert butyl alcohol
Concen: 210.855 ug/l m
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 24294
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

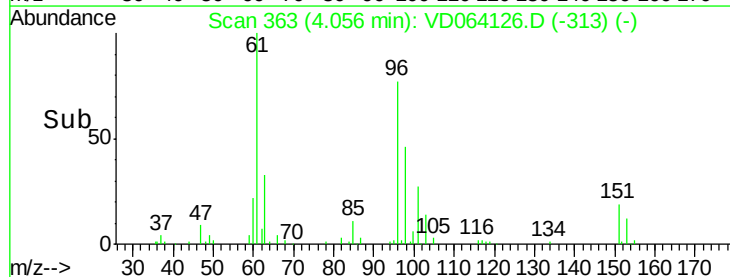
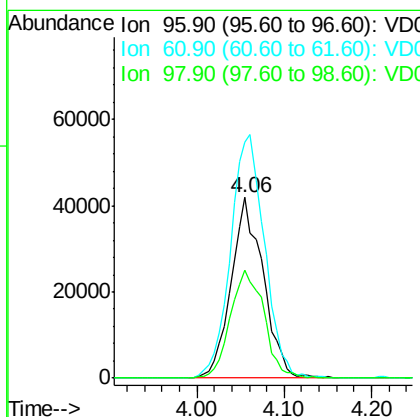
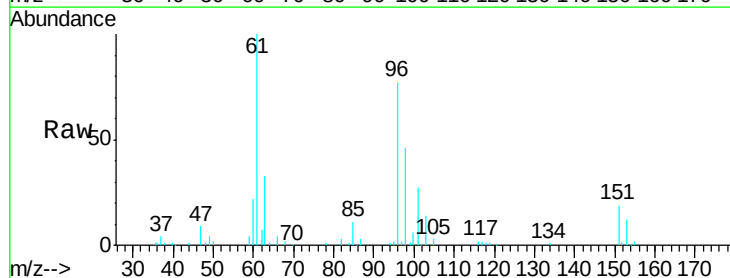
Manual Integrations
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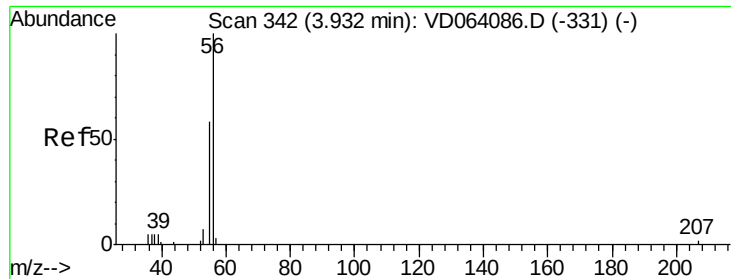
MMDadoda
11/1/2019 12:06:58 PM



#12
1,1-Dichloroethene
Concen: 47.567 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 96 Resp: 104378
Ion Ratio Lower Upper
96 100
61 130.7 121.8 182.6
98 60.0 55.4 83.0





#13

Acrolein

Concen: 218.464 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 56 Resp: 28024

Ion Ratio Lower Upper

56 100

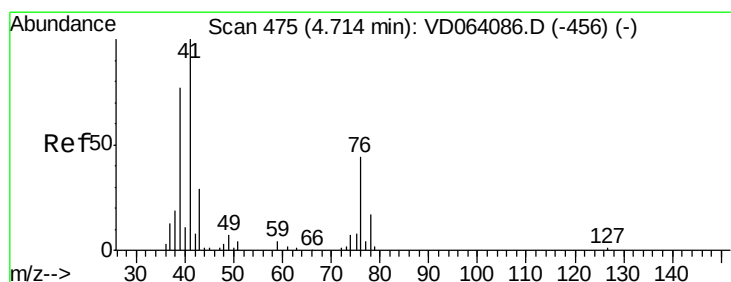
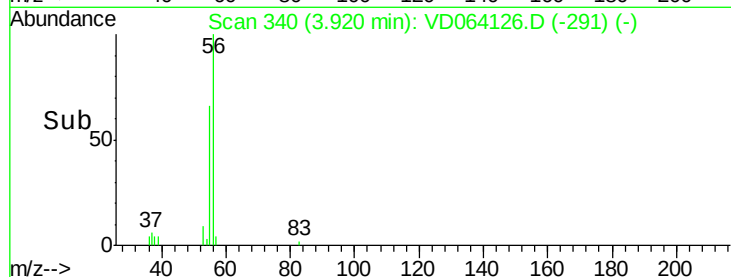
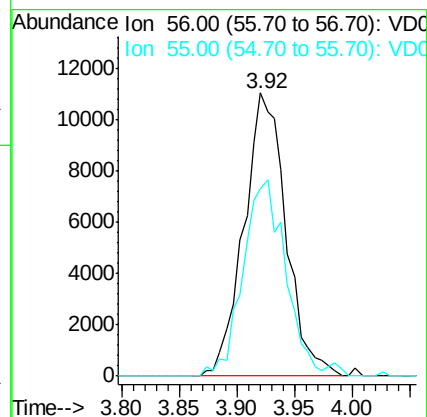
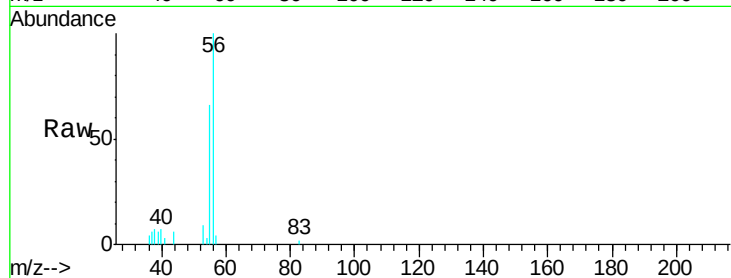
55 69.7 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 48.390 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

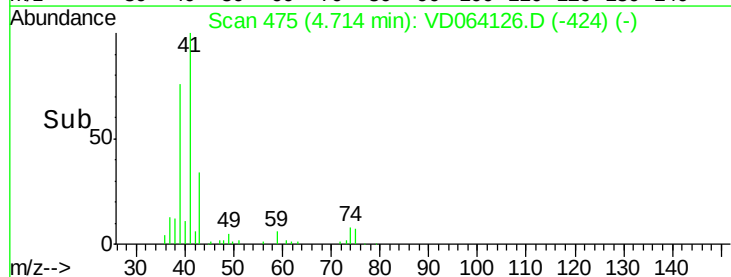
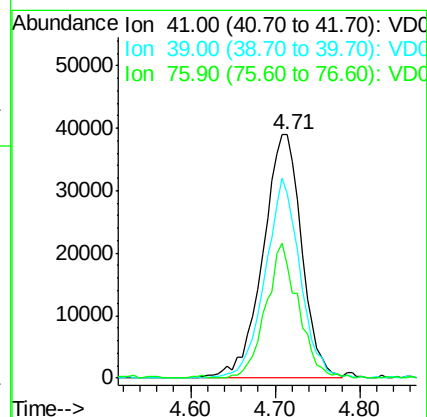
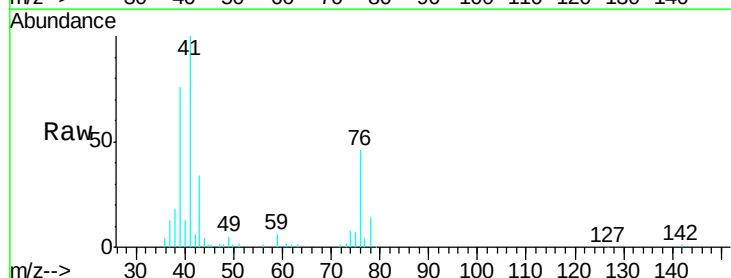
Tgt Ion: 41 Resp: 124281

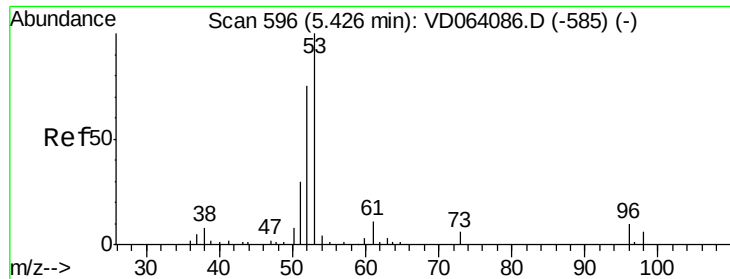
Ion Ratio Lower Upper

41 100

39 73.7 61.5 92.3

76 46.5 36.2 54.4





#15

Acrylonitrile

Concen: 232.507 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

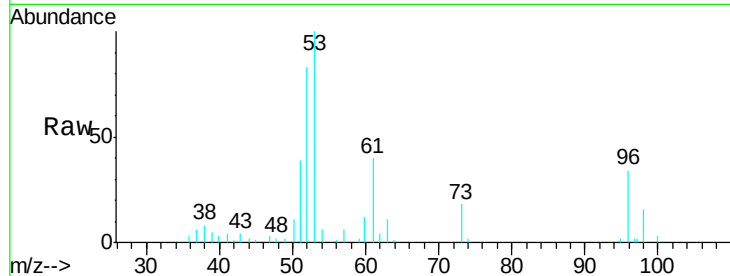
ClientSampleId :

VSTDCCC050

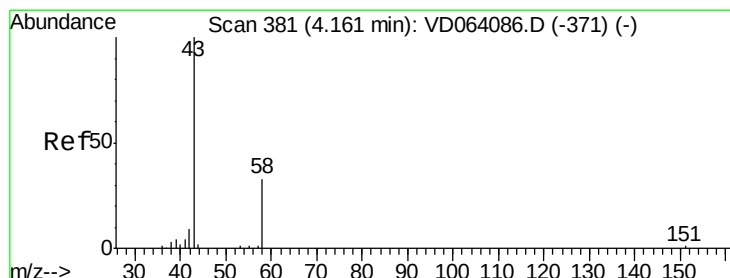
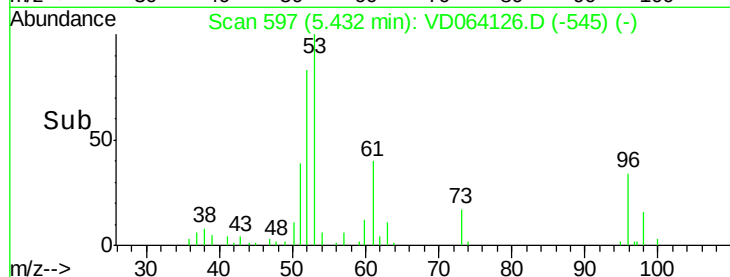
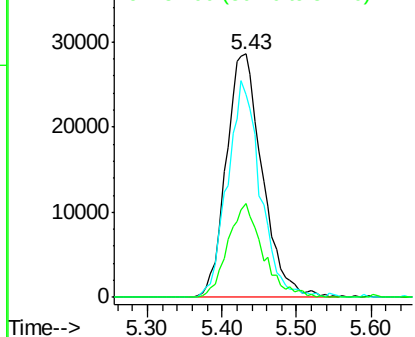
Tgt Ion:	53	Resp:	96046
Ion Ratio	Lower	Upper	
53	100		
52	80.8	66.2	99.4
51	37.4	29.0	43.6

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Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 274.889 ug/l

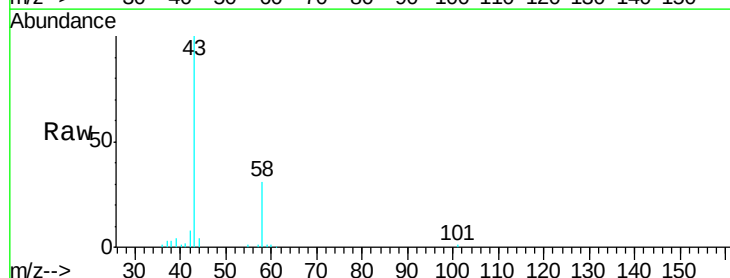
RT: 4.17 min Scan# 382

Delta R.T. 0.01 min

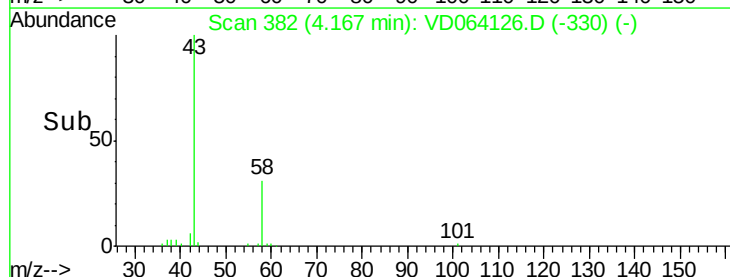
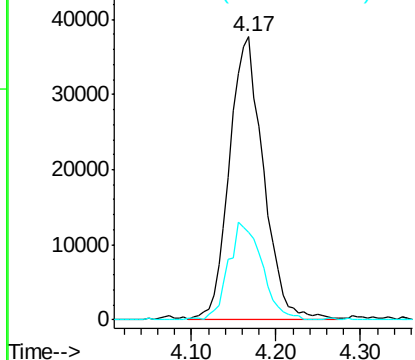
Lab File: VD064126.D

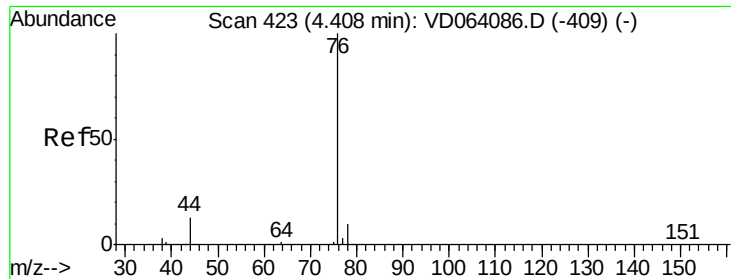
Acq: 31 Oct 2019 11:52

Tgt Ion:	43	Resp:	105224
Ion Ratio	Lower	Upper	
43	100		
58	31.2	26.3	39.5



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





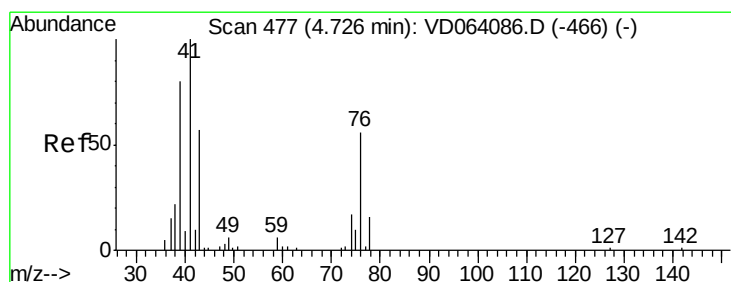
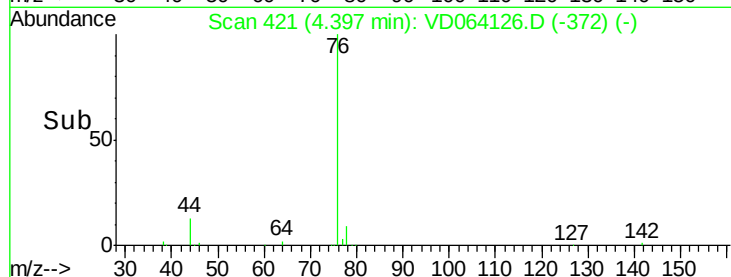
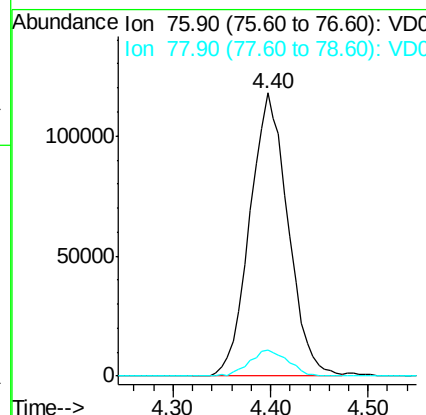
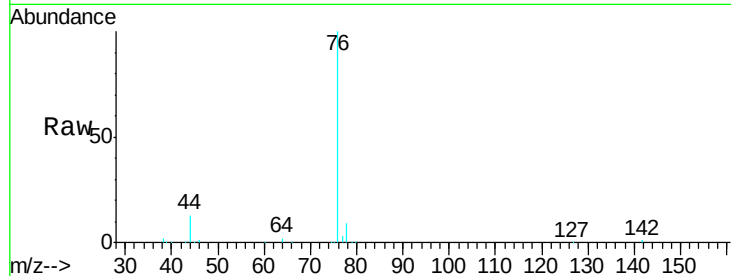
#17
Carbon Disulfide
Concen: 47.941 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
76	100	323280		
78	9.3		8.1	12.1

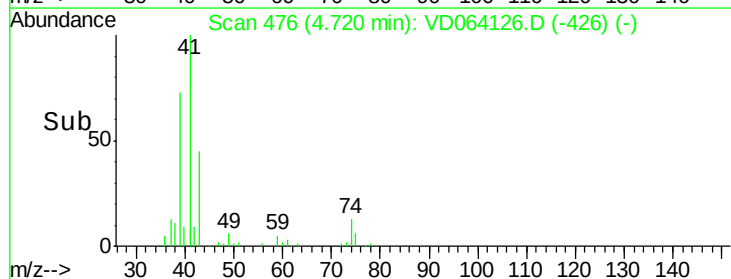
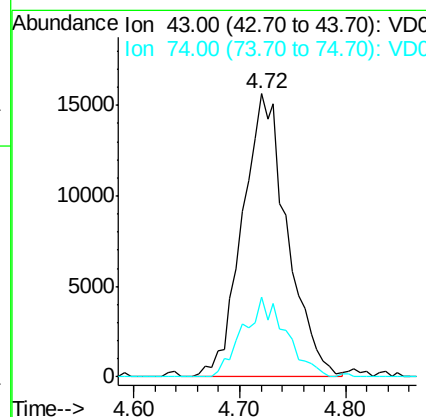
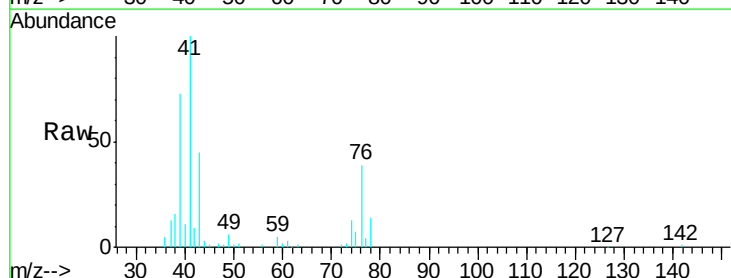
Manual Integrations
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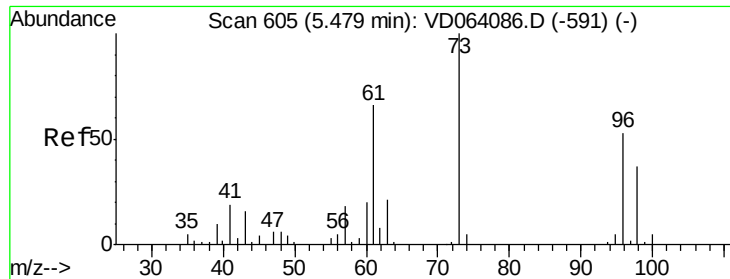
MMDadoda
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#18
Methyl Acetate
Concen: 45.453 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	46281		
74	26.9		22.2	33.4





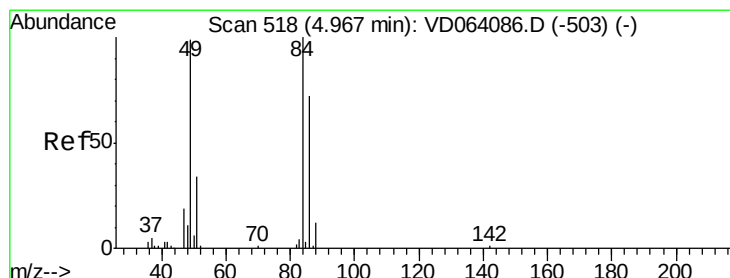
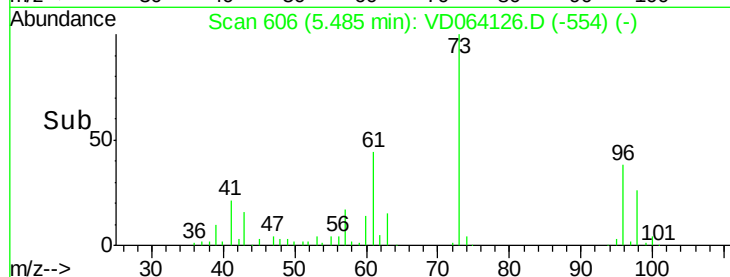
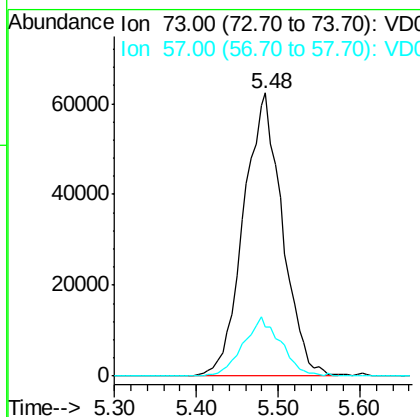
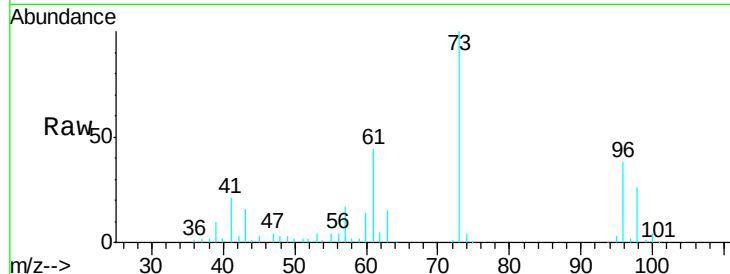
#19
Methyl tert-butyl Ether
Concen: 46.326 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 206276
Ion Ratio Lower Upper
73 100
57 17.4 14.3 21.5

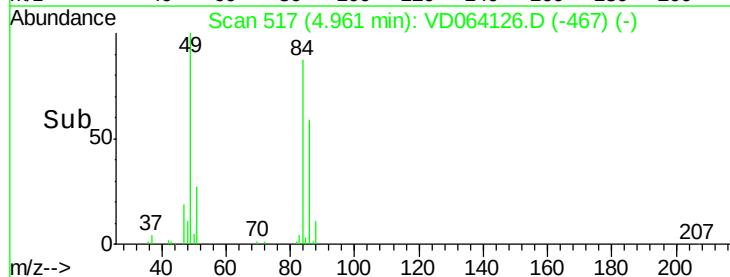
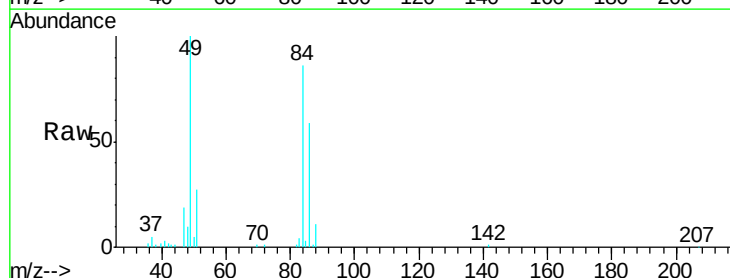
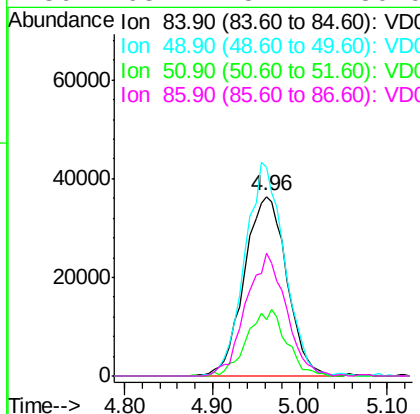
Manual Integrations
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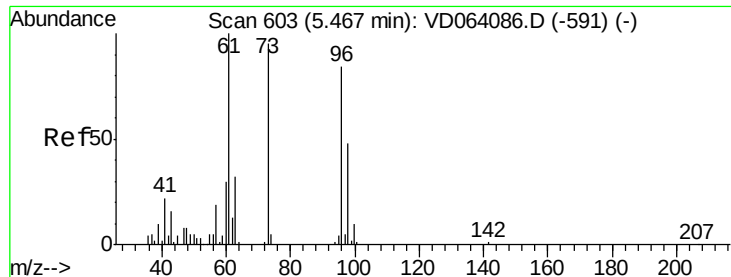
MMDadoda
11/1/2019 12:06:58 PM



#20
Methylene Chloride
Concen: 49.130 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 84 Resp: 120309
Ion Ratio Lower Upper
84 100
49 116.1 79.4 119.0
51 31.4 27.4 41.2
86 68.1 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 48.346 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

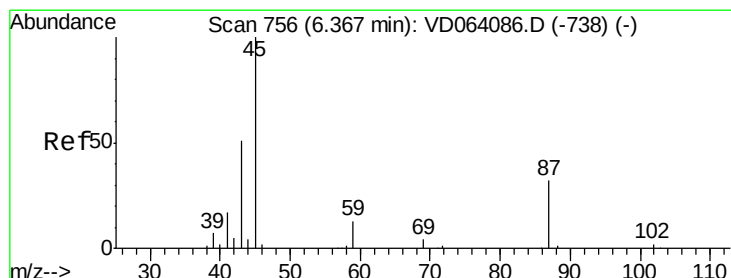
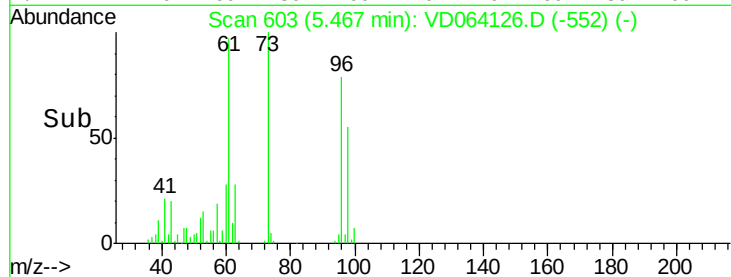
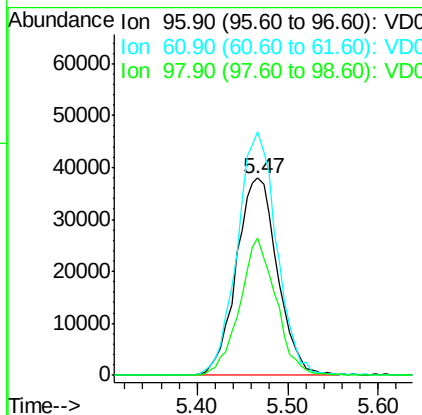
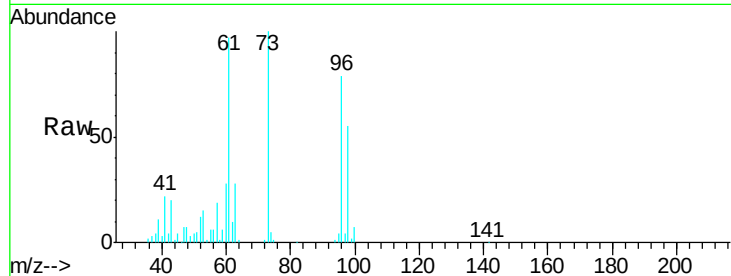
ClientSampleId :

VSTDCCC050

Tgt Ion:	96	Resp:	119089
Ion	Ratio	Lower	Upper
96	100		
61	123.6	95.0	142.6
98	70.1	45.8	68.8#

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#22

Diisopropyl ether

Concen: 47.518 ug/l

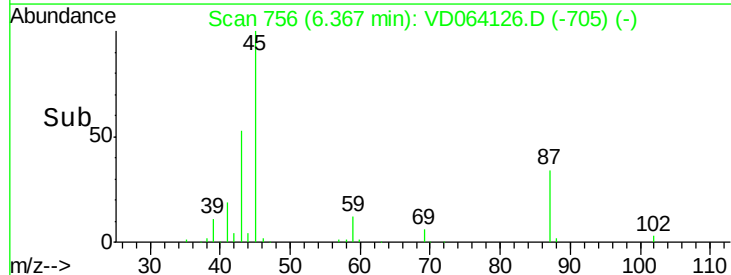
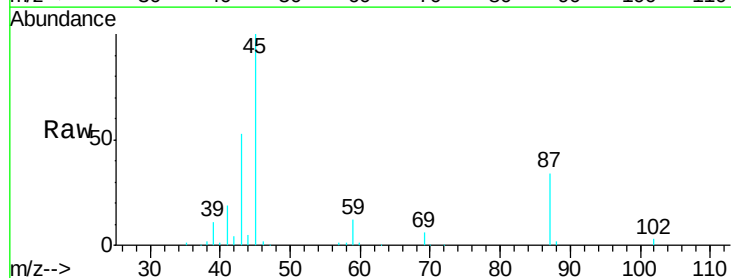
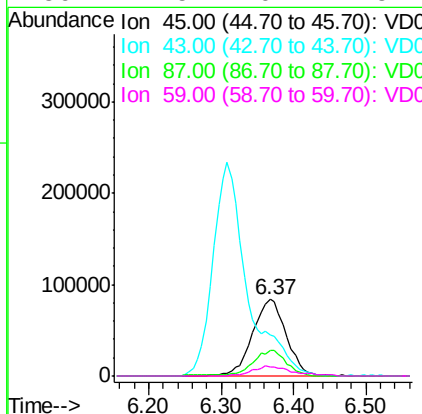
RT: 6.37 min Scan# 756

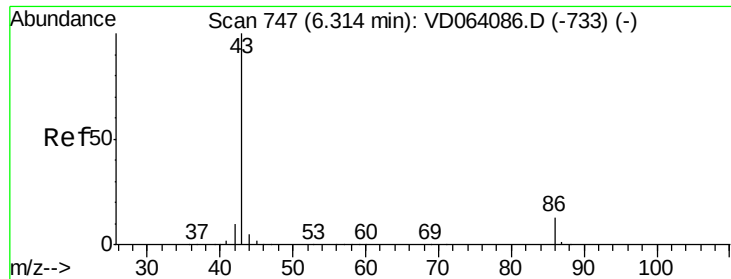
Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion:	45	Resp:	270282
Ion	Ratio	Lower	Upper
45	100		
43	52.4	44.3	66.5
87	34.2	26.6	39.8
59	11.5	10.2	15.2





#23

Vinyl Acetate

Concen: 247.035 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 770216

Ion Ratio Lower Upper

43 100

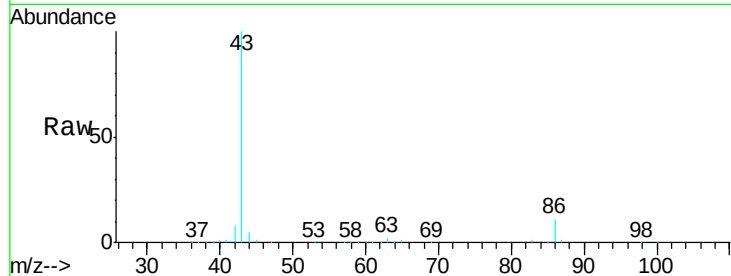
86 10.6 10.7 16.1#

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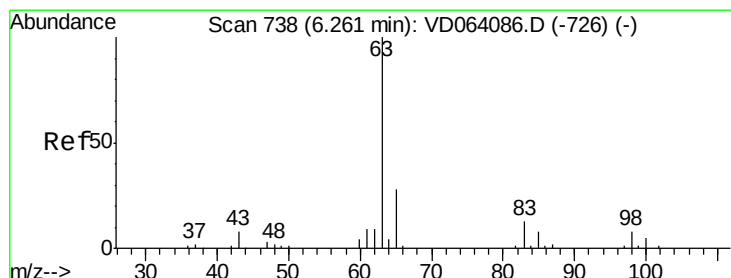
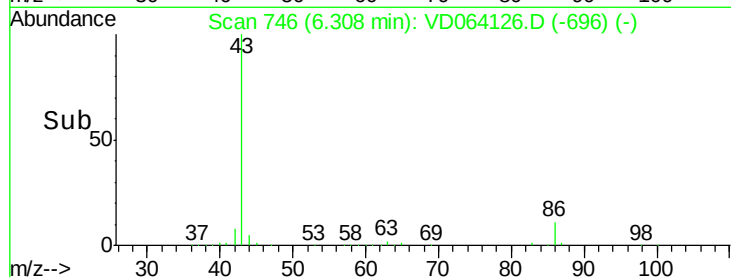
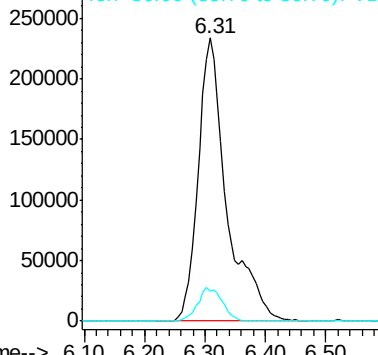
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.645 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

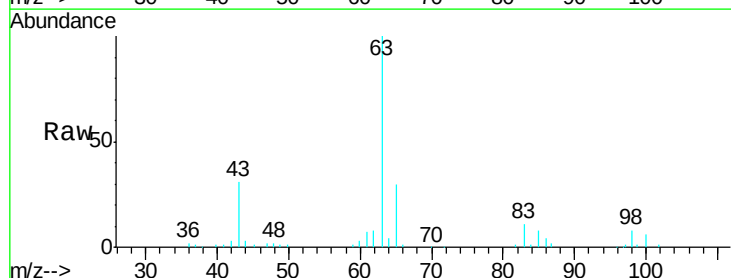
Tgt Ion: 63 Resp: 179161

Ion Ratio Lower Upper

63 100

98 7.7 4.0 11.9

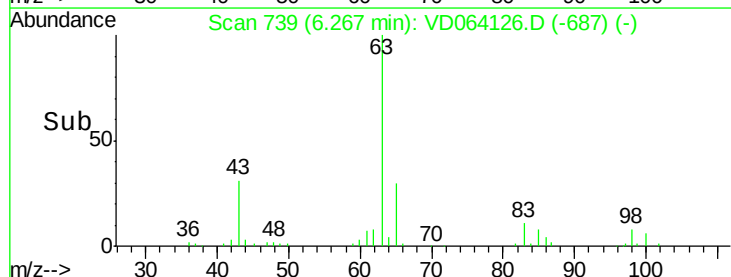
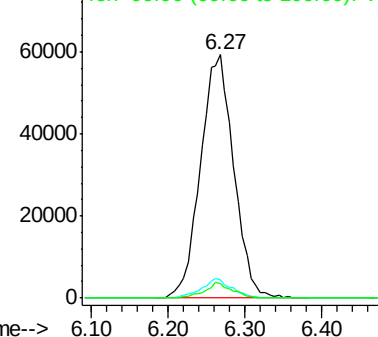
100 6.0 2.6 7.8

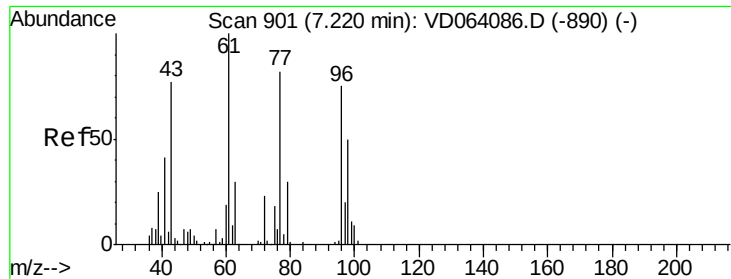


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 233.436 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 123532

Ion Ratio Lower Upper

43 100

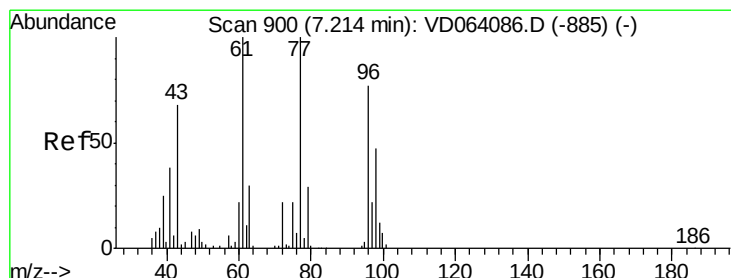
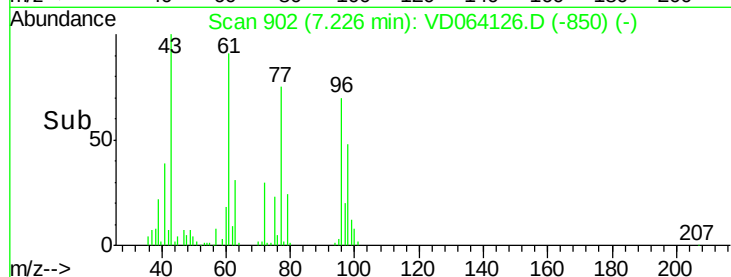
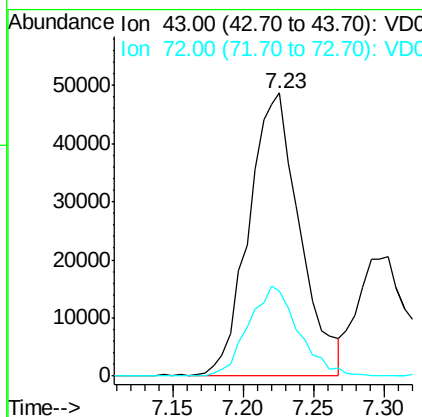
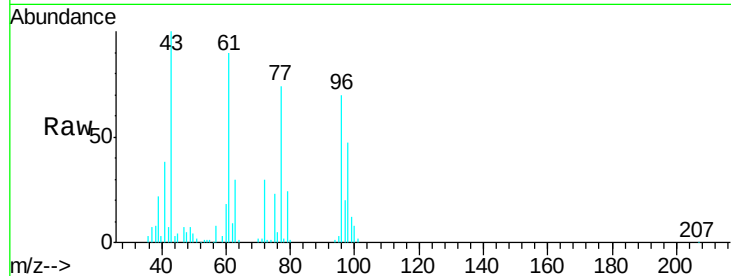
72 30.1 23.4 35.0

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.194 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD064126.D

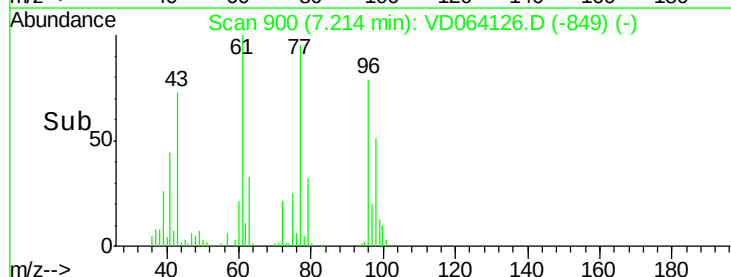
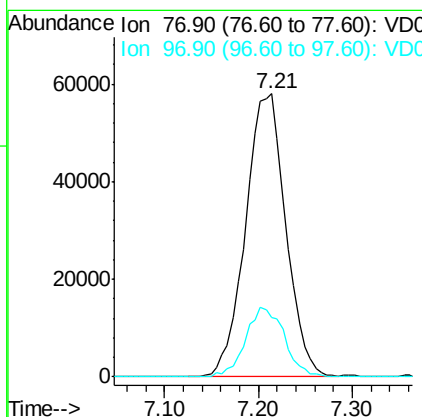
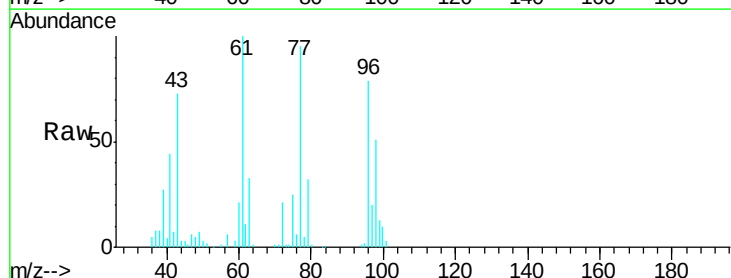
Acq: 31 Oct 2019 11:52

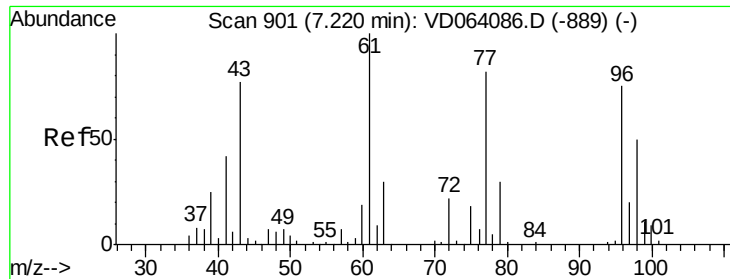
Tgt Ion: 77 Resp: 172048

Ion Ratio Lower Upper

77 100

97 23.7 11.2 33.5





#27

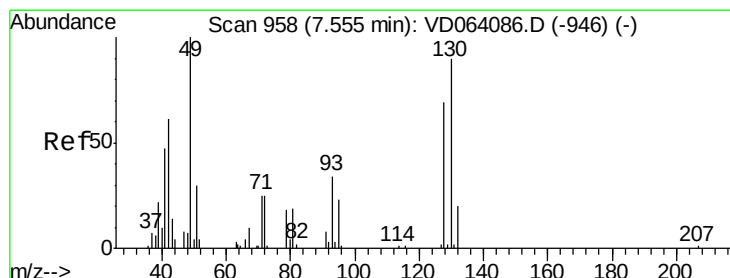
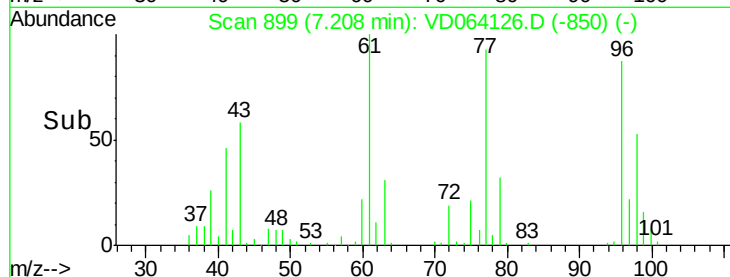
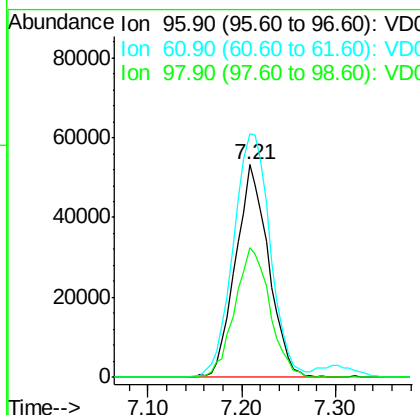
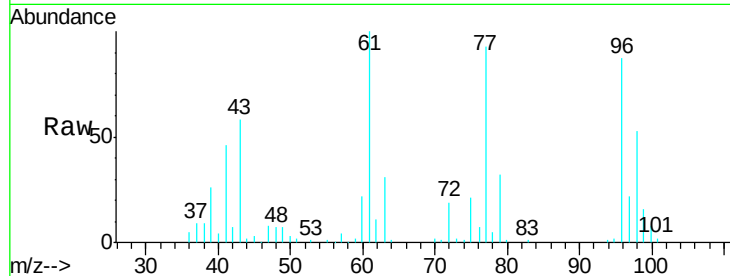
cis-1,2-Dichloroethene
Concen: 46.942 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
96	100		
61	128.3	0.0	258.0
98	64.8	0.0	130.8

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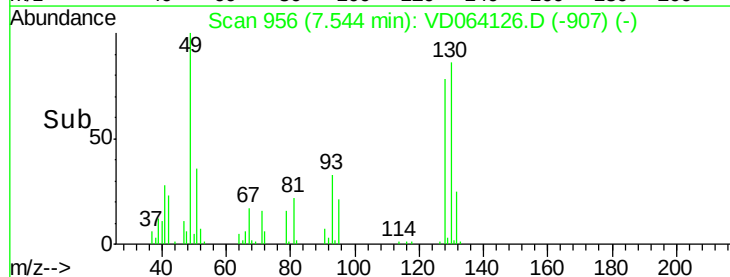
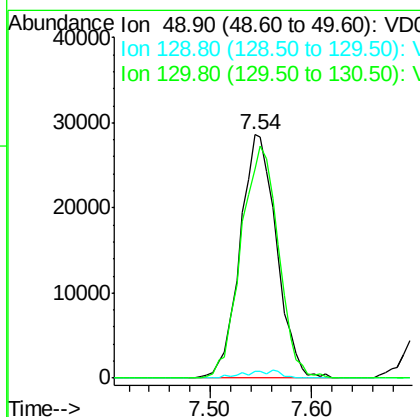
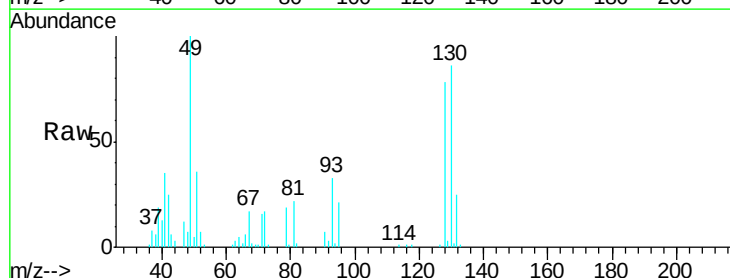
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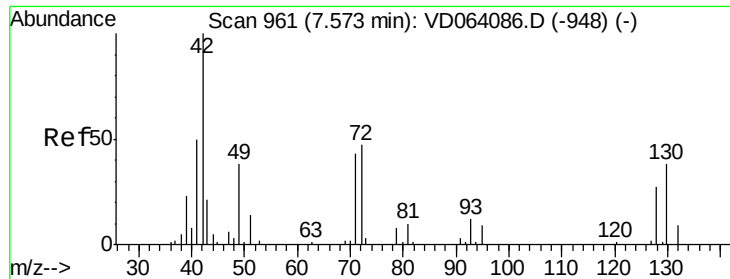


#28

Bromochloromethane
Concen: 47.719 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.1	0.0	5.4
130	97.9	75.3	112.9





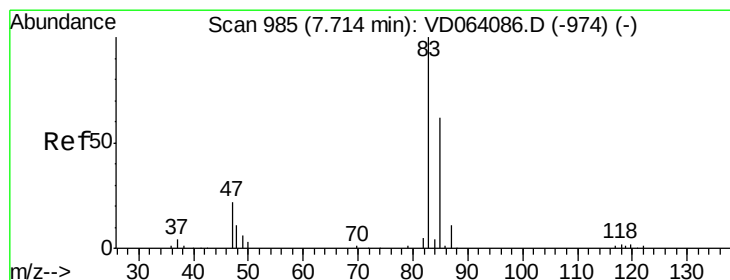
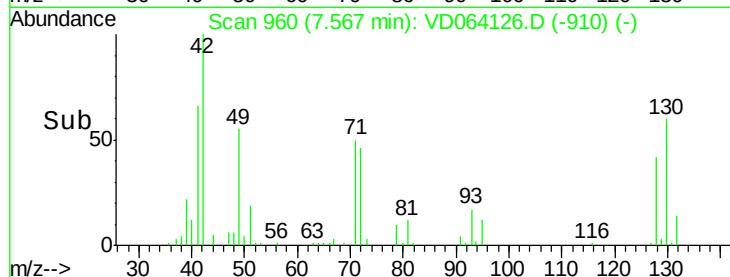
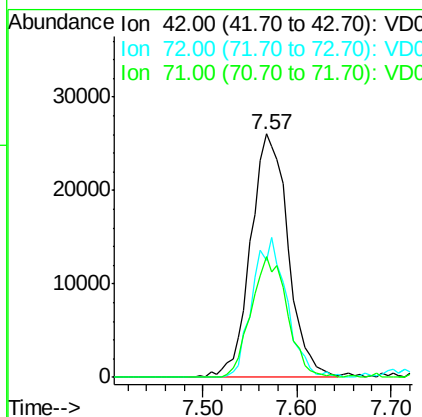
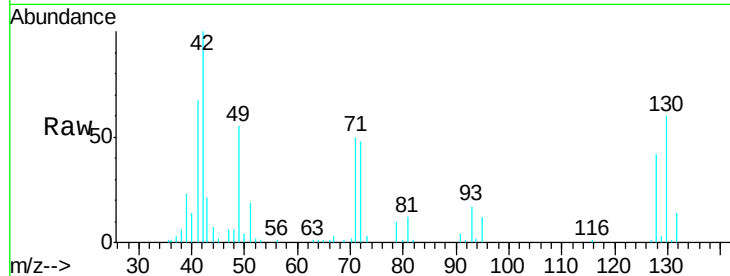
#29
Tetrahydrofuran
Concen: 232.120 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 71689
Ion Ratio Lower Upper
42 100
72 52.2 38.9 58.3
71 47.7 35.4 53.2

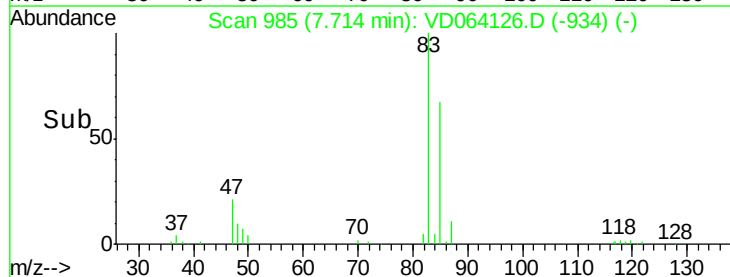
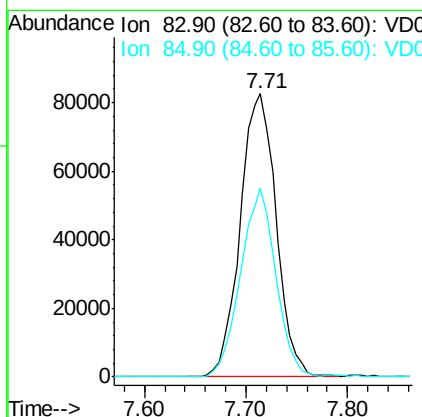
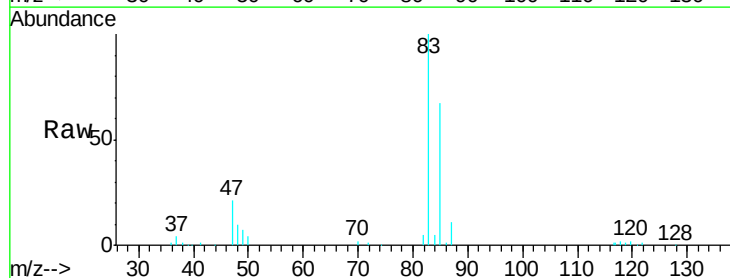
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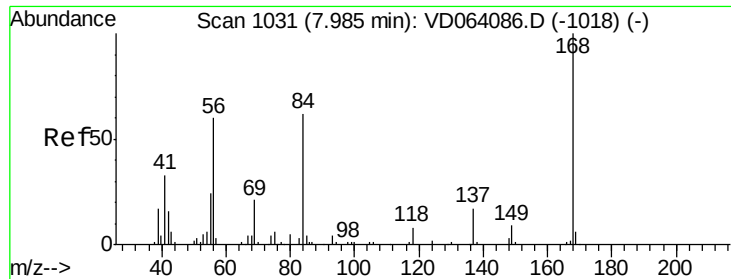
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#30
Chloroform
Concen: 46.419 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 83 Resp: 204018
Ion Ratio Lower Upper
83 100
85 66.7 49.8 74.6





#31

Cyclohexane

Concen: 44.301 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

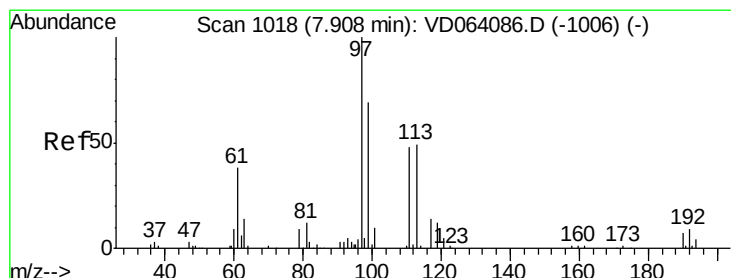
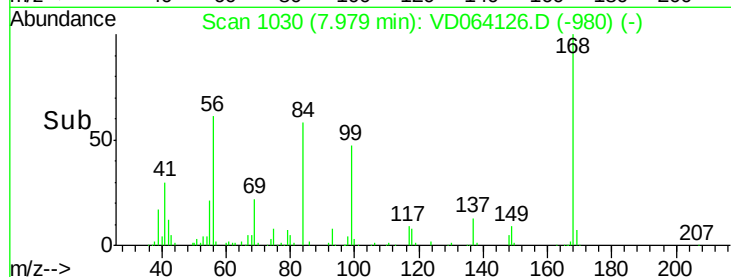
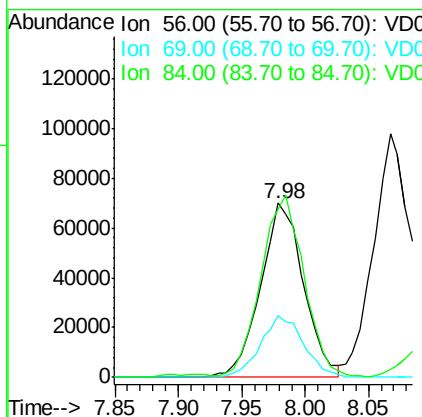
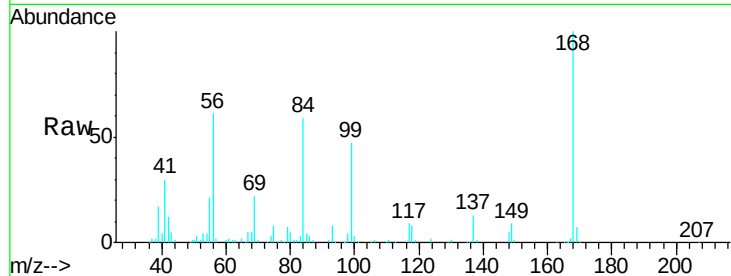
ClientSampleId :

VSTDCCC050

Tgt Ion:	56	Resp:	165776
Ion Ratio	Lower	Upper	
56	100		
69	35.6	27.7	41.5
84	94.7	83.1	124.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.540 ug/l

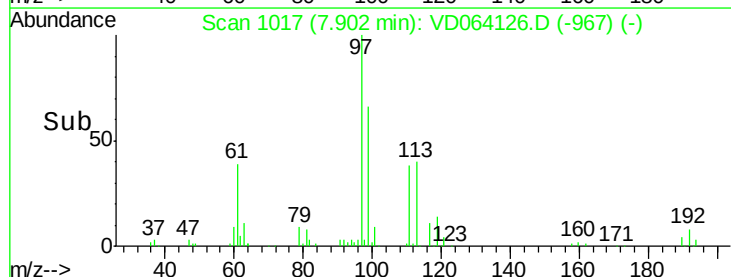
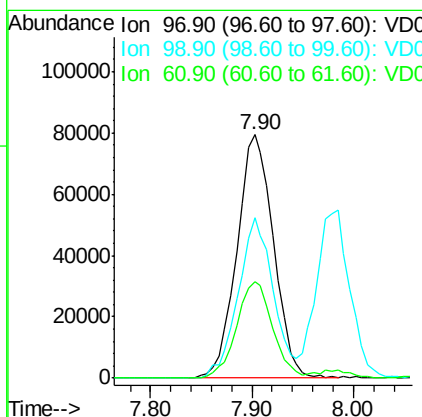
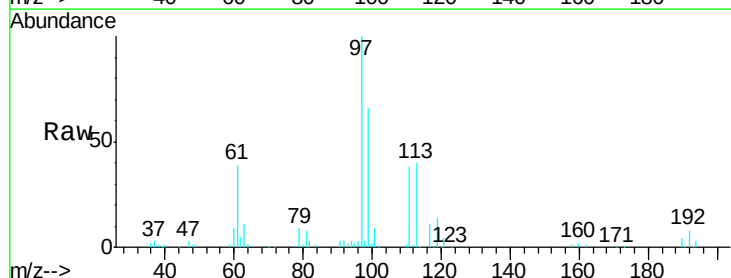
RT: 7.90 min Scan# 1017

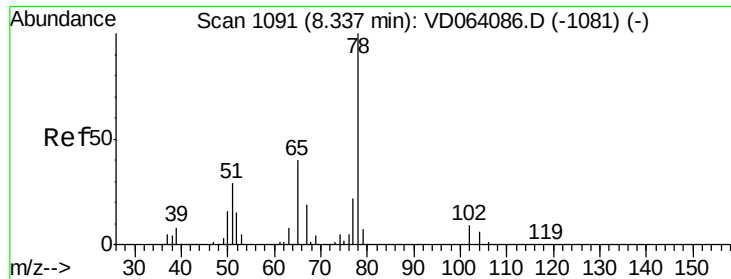
Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion:	97	Resp:	198592
Ion Ratio	Lower	Upper	
97	100		
99	63.4	53.7	80.5
61	39.0	31.8	47.6





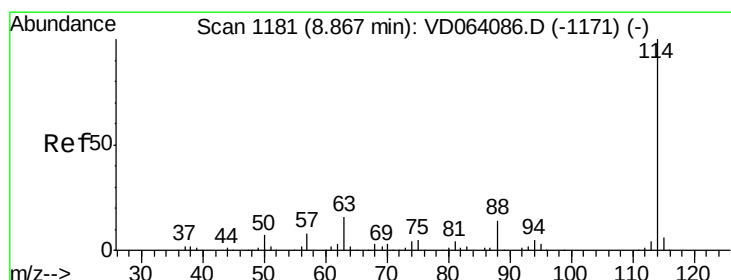
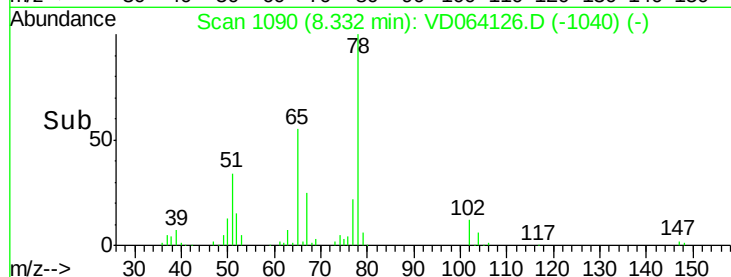
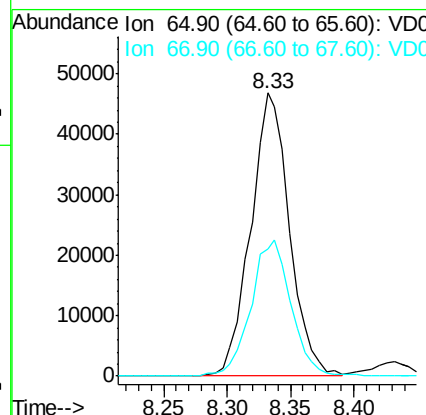
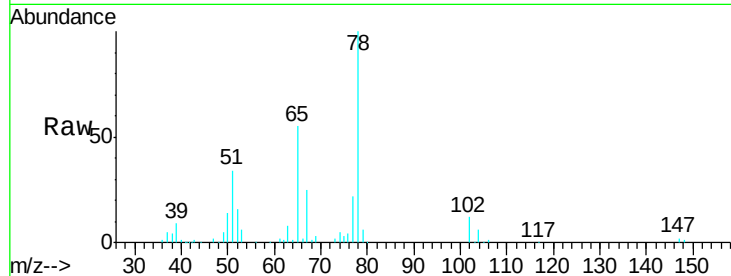
#33
 1,2-Dichloroethane-d4
 Concen: 49.496 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	99577		
67	49.8	0.0	104.6	

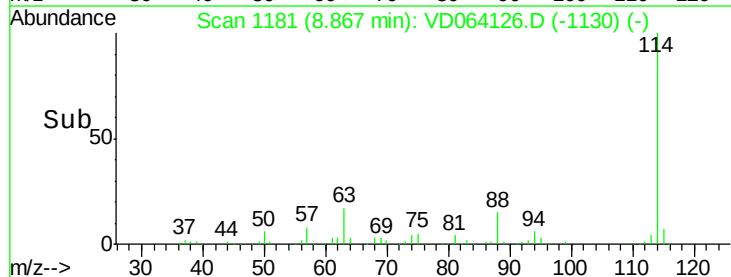
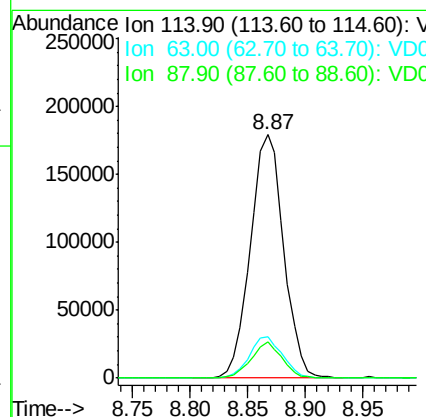
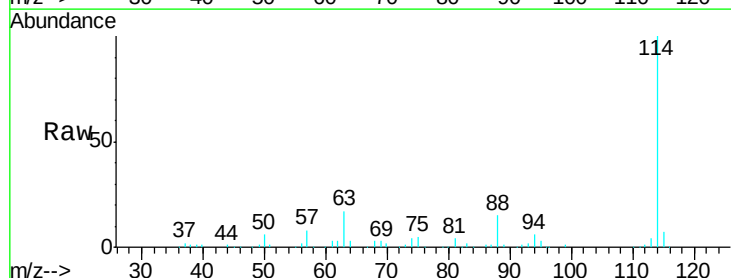
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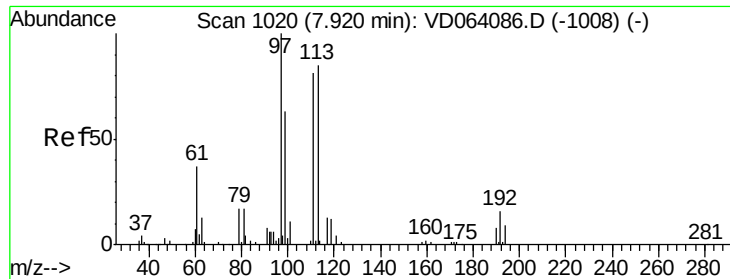
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	361142		
63	16.8	0.0	32.8	
88	15.0	0.0	27.6	





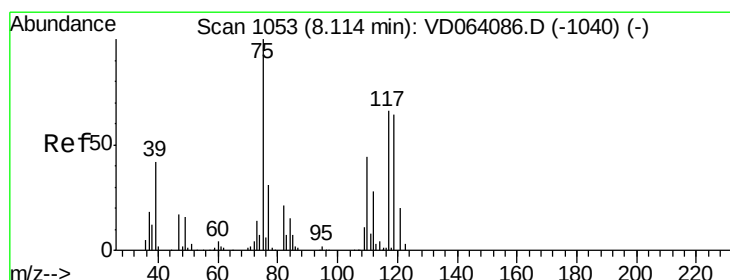
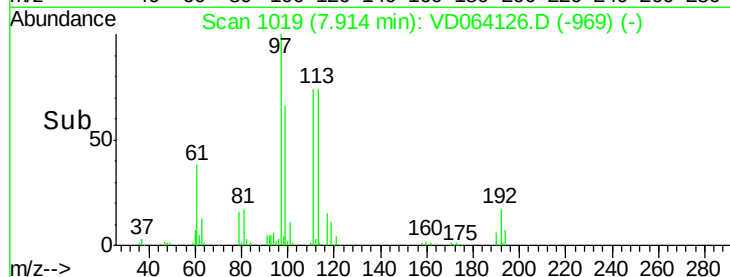
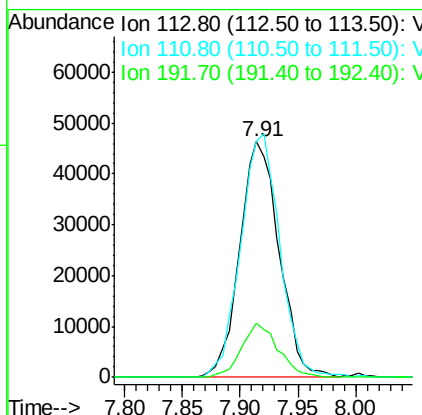
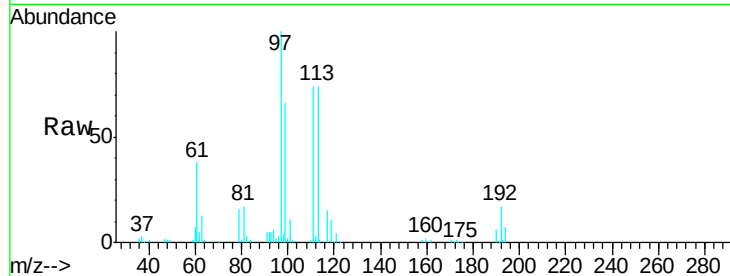
#35
 Dibromofluoromethane
 Concen: 49.681 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	110383		
111	103.3	79.3	118.9	
192	21.3	16.2	24.2	

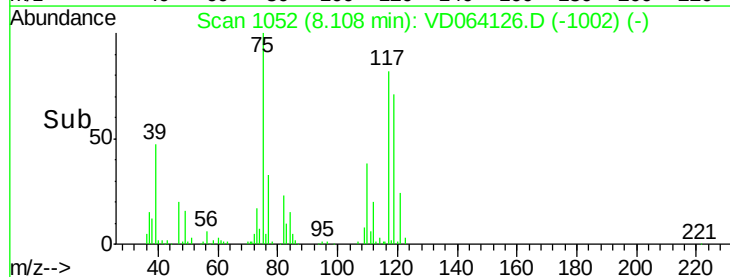
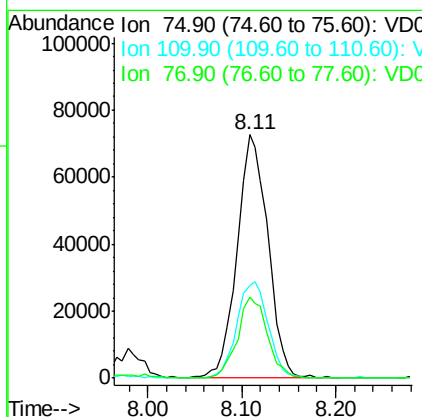
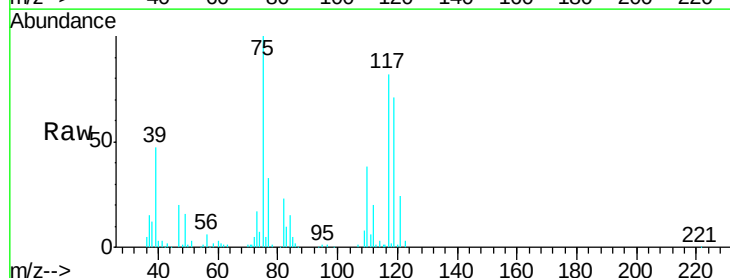
Manual Integrations
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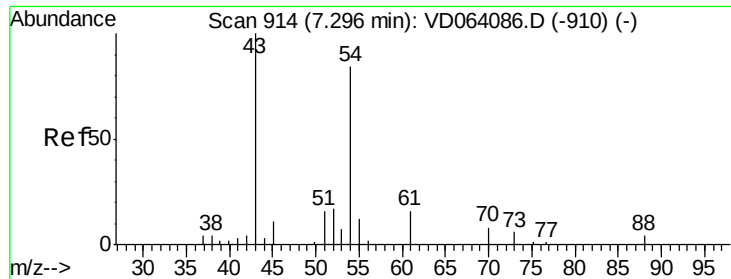
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#36
 1,1-Dichloropropene
 Concen: 48.837 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	165265		
110	40.1	20.0	59.9	
77	32.4	24.7	37.1	





#37

Ethyl Acetate

Concen: 50.062 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 43 Resp: 52144

Ion Ratio Lower Upper

43 100

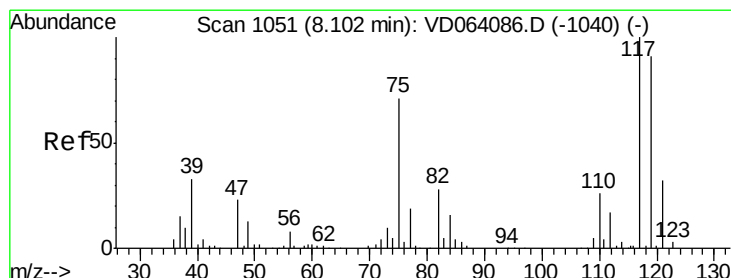
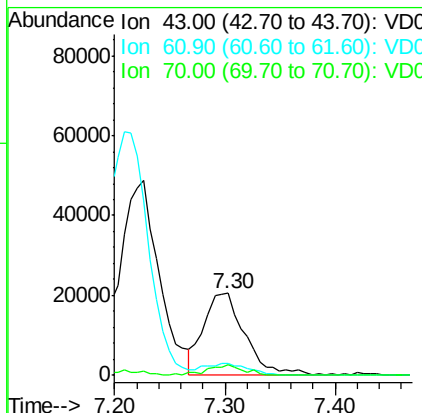
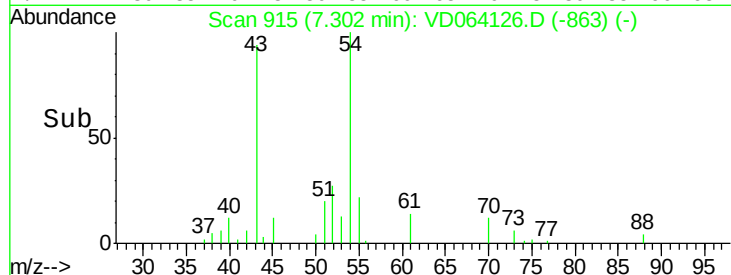
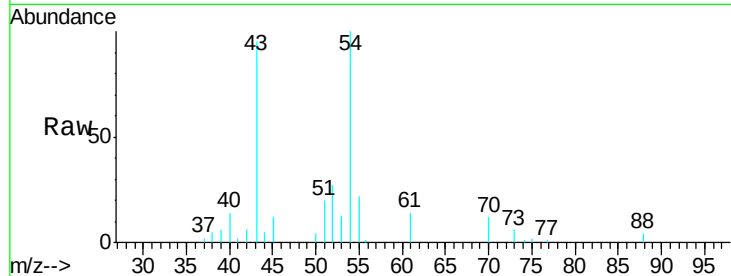
61 15.7 12.0 18.0

70 11.4 3.8 5.6#

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#38

Carbon Tetrachloride

Concen: 49.744 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

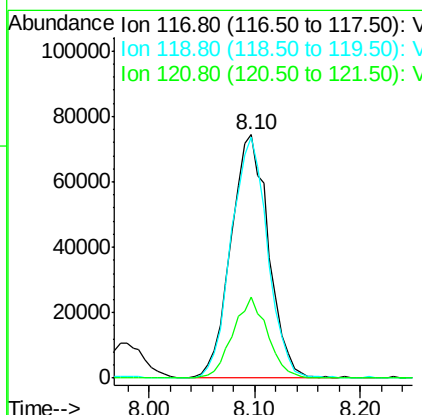
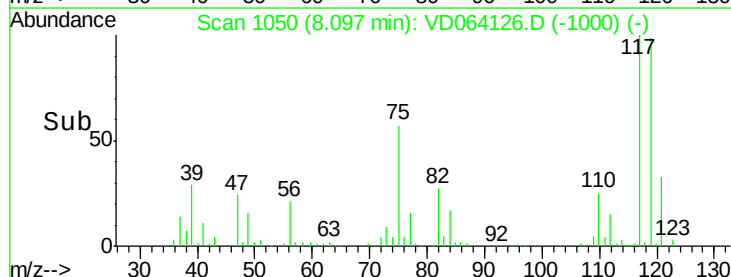
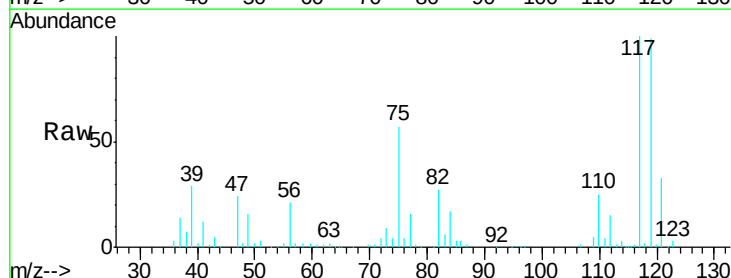
Tgt Ion: 117 Resp: 183663

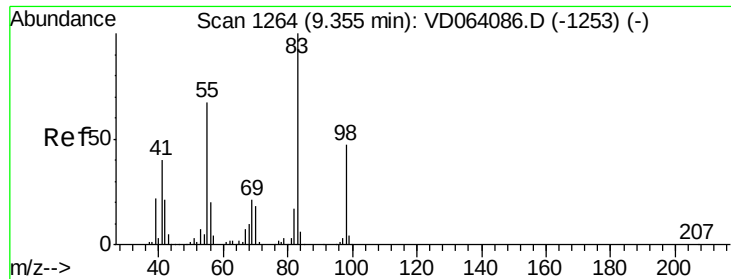
Ion Ratio Lower Upper

117 100

119 98.8 72.6 108.8

121 33.2 25.8 38.6





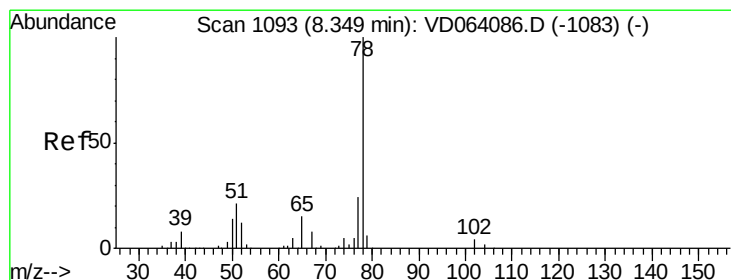
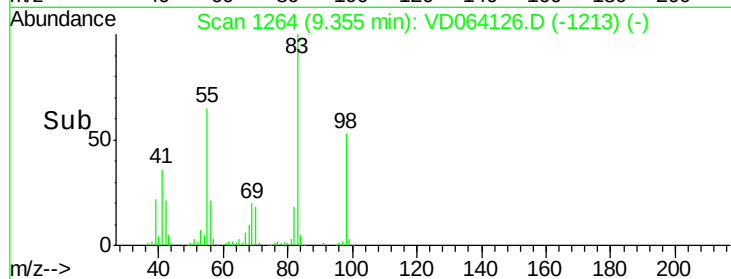
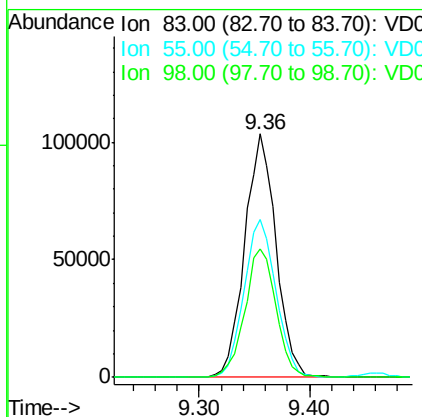
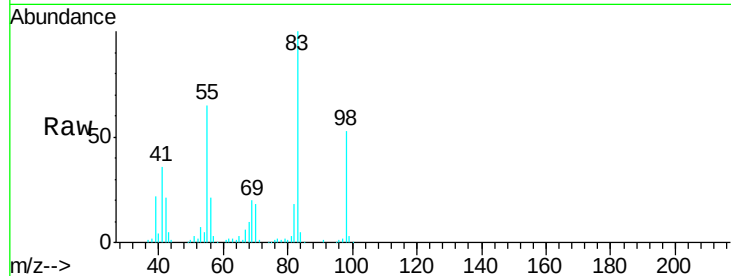
#39
Methylcyclohexane
Concen: 49.651 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	206255		
55	64.9		53.4	80.0
98	52.9		37.8	56.6

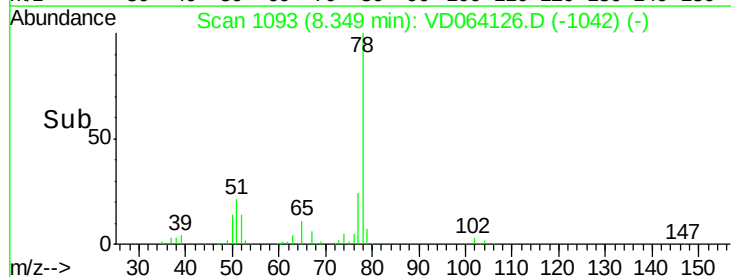
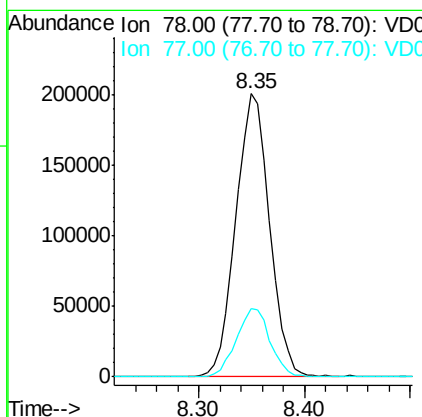
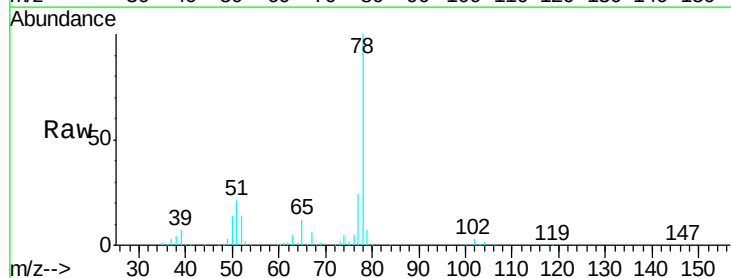
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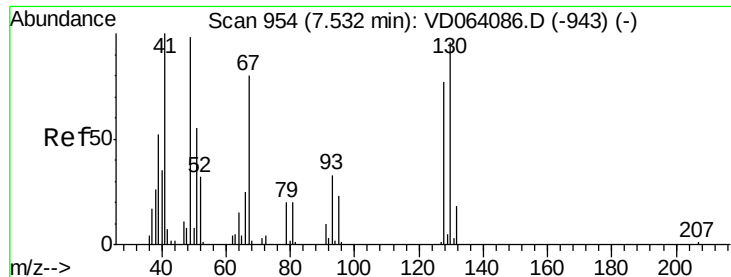
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#40
Benzene
Concen: 48.176 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	444572		
77	23.9		19.0	28.4





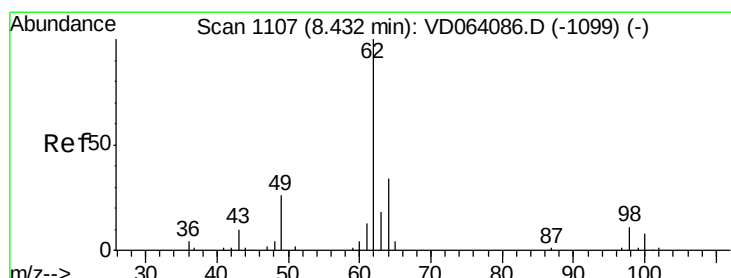
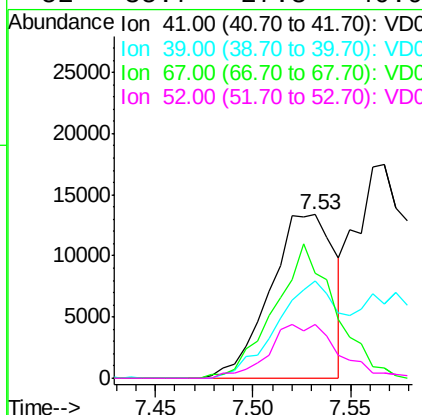
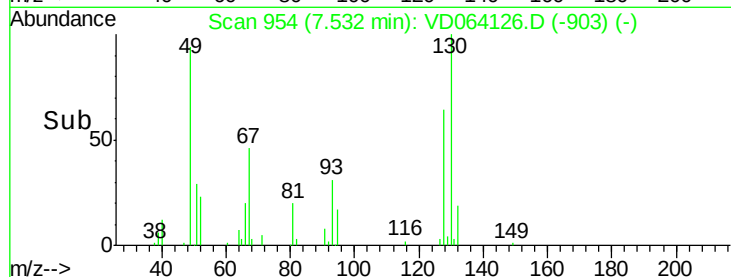
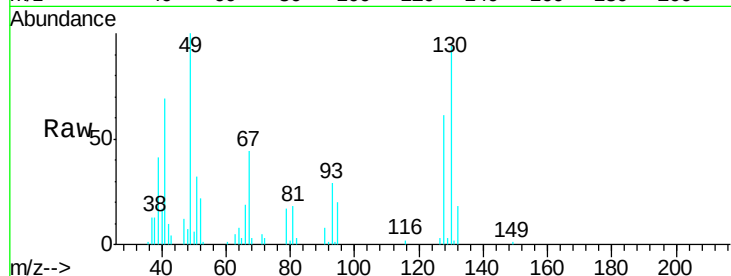
#41
Methacrylonitrile
Concen: 51.098 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
41	100		
39	59.6	41.0	61.4
67	77.5	73.4	110.0
52	35.7	27.3	40.9

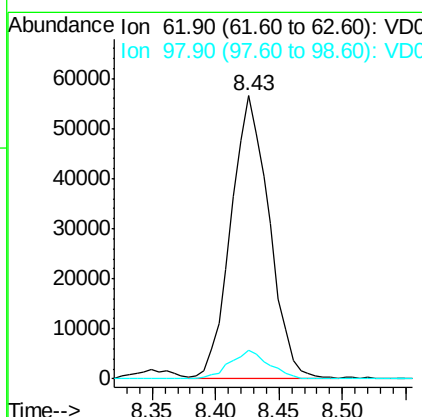
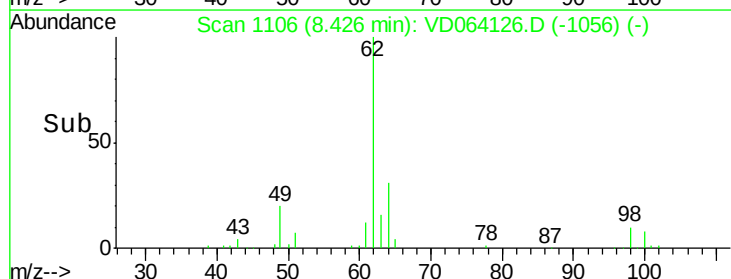
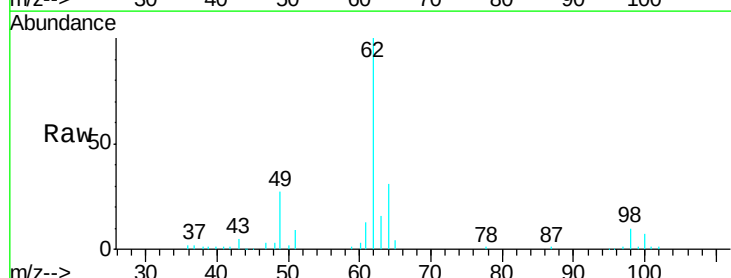
Manual Integrations
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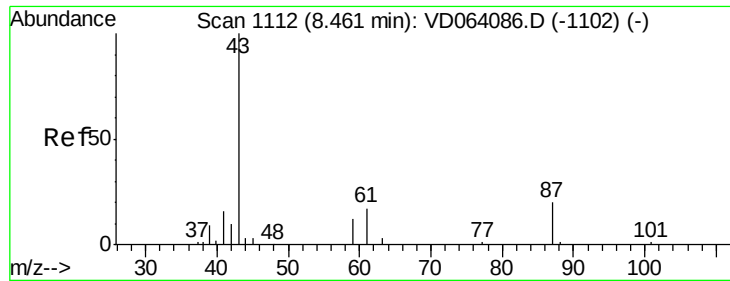
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#42
1,2-Dichloroethane
Concen: 48.312 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	21.0





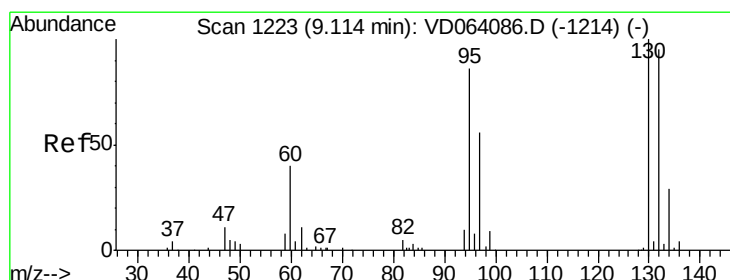
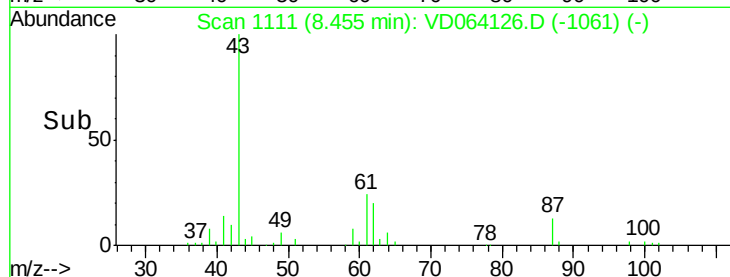
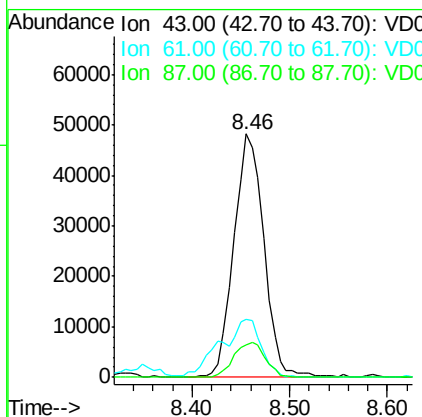
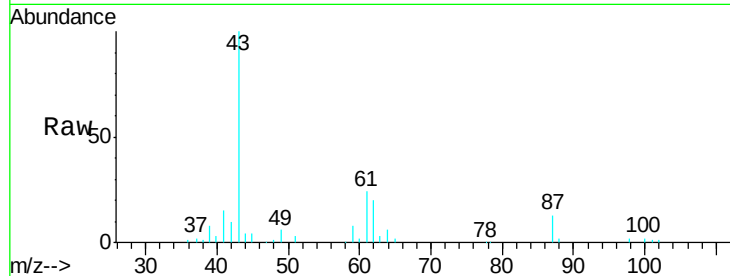
#43
Isopropyl Acetate
Concen: 49.034 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
43	100		
61	32.4	25.8	38.8
87	15.0	13.0	19.4

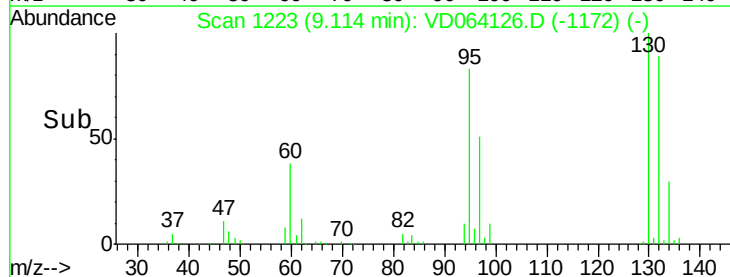
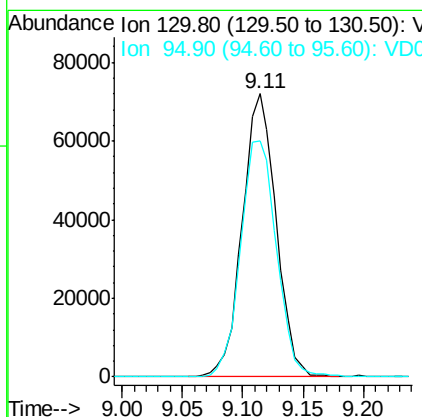
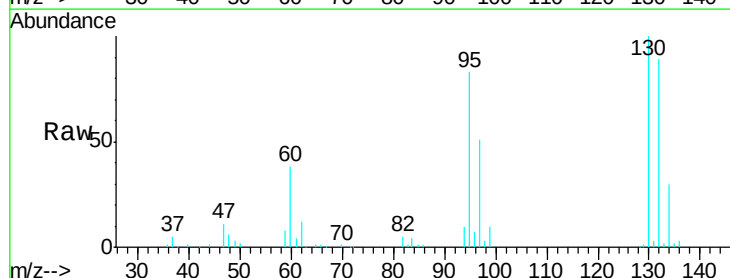
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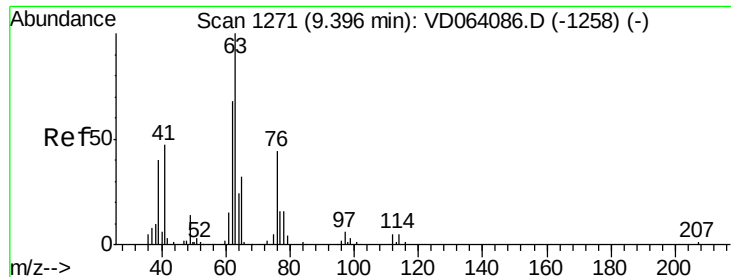
MMDadoda
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#44
Trichloroethene
Concen: 50.360 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.3	0.0	173.0





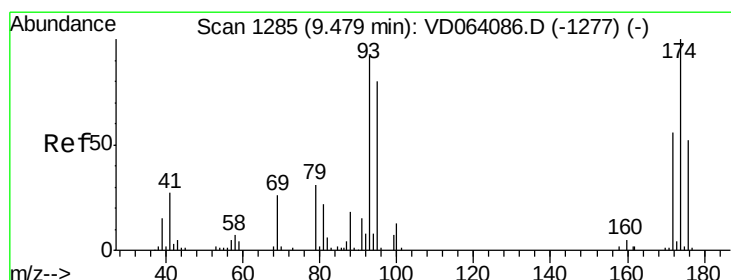
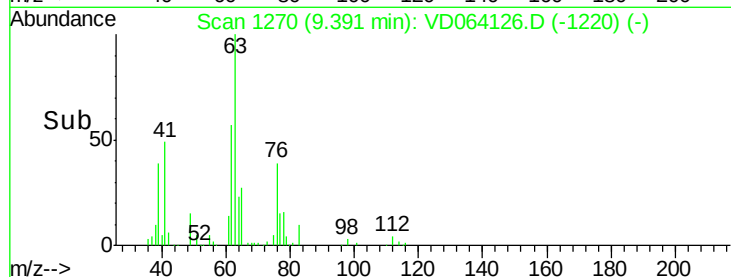
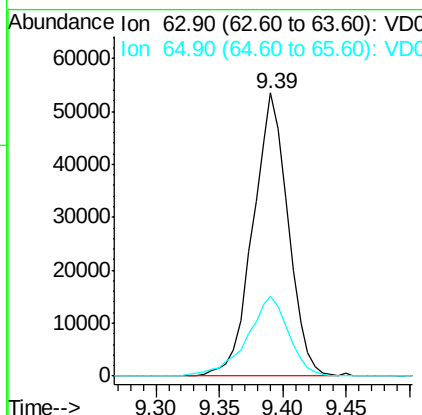
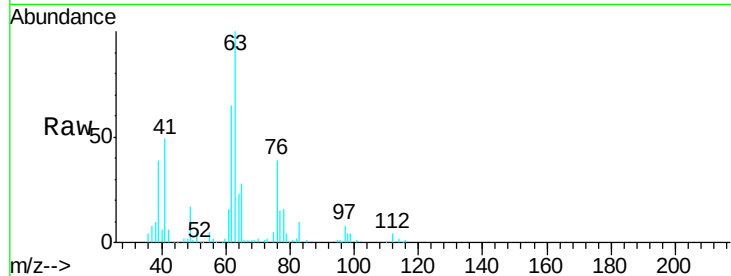
#45
 1,2-Dichloropropane
 Concen: 48.415 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 63 Resp: 103540
 Ion Ratio Lower Upper
 63 100
 65 28.0 25.8 38.8

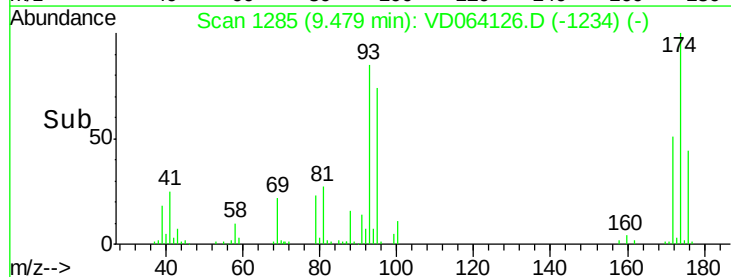
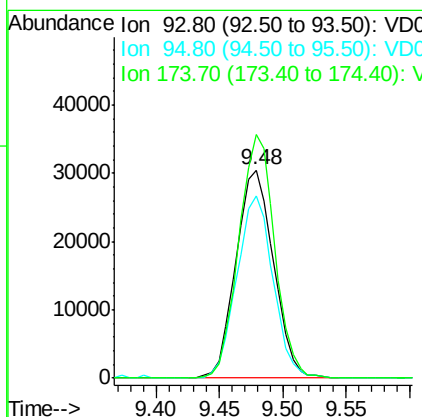
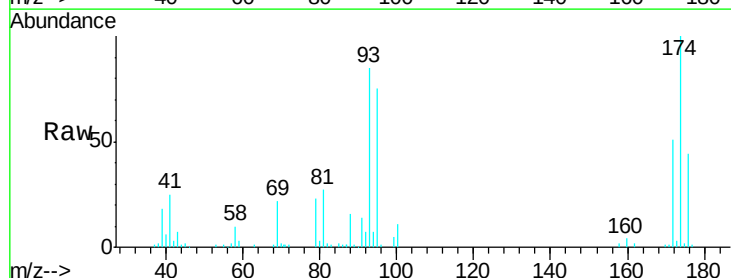
Manual Integrations
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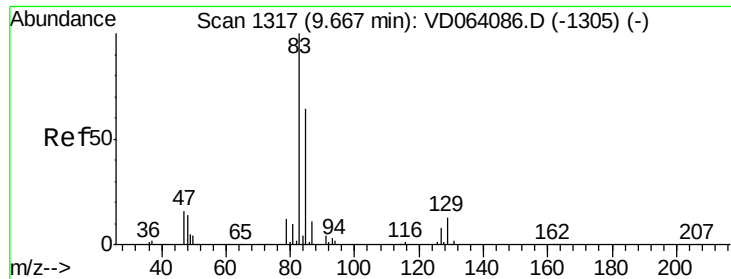
MMDadoda
 11/1/2019 12:06:58 PM



#46
 Dibromomethane
 Concen: 48.536 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 93 Resp: 62515
 Ion Ratio Lower Upper
 93 100
 95 84.7 67.4 101.2
 174 112.5 86.4 129.6





#47

Bromodichloromethane

Concen: 50.026 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

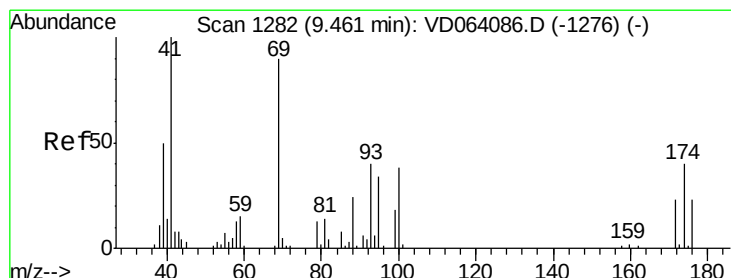
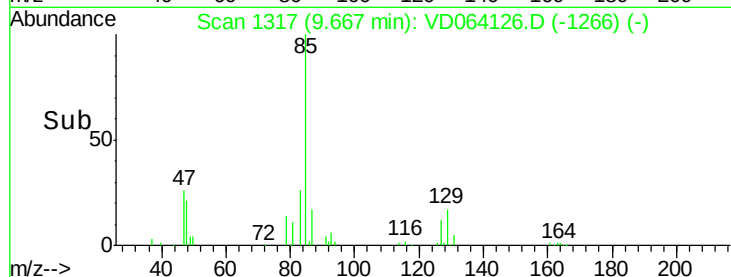
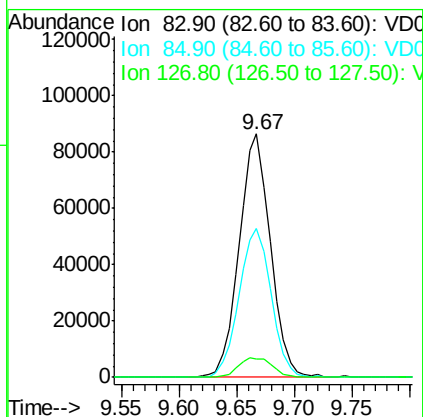
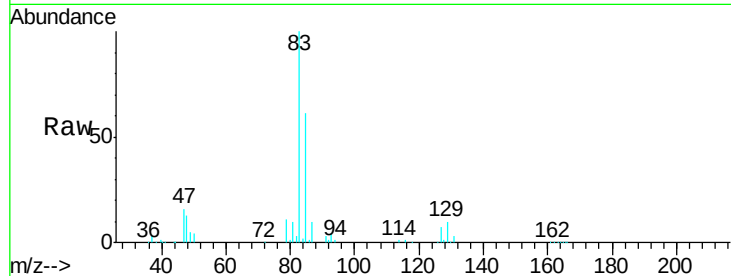
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	162553
Ion Ratio	Lower	Upper	
83	100		
85	61.3	51.4	77.0
127	7.5	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 52.657 ug/l

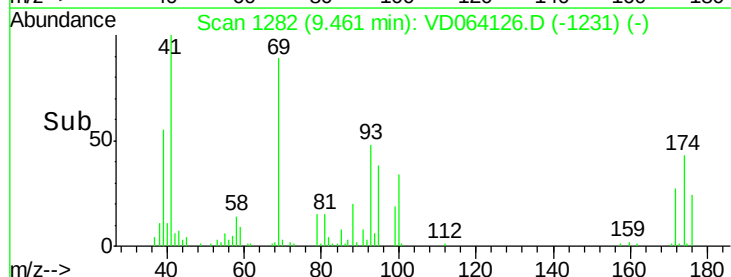
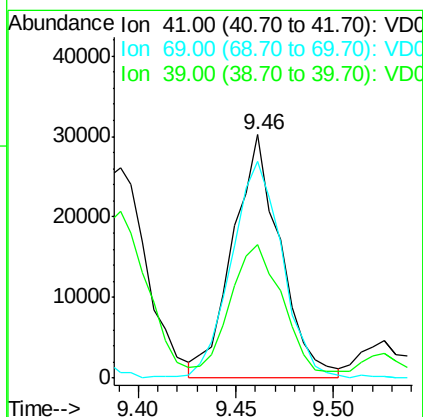
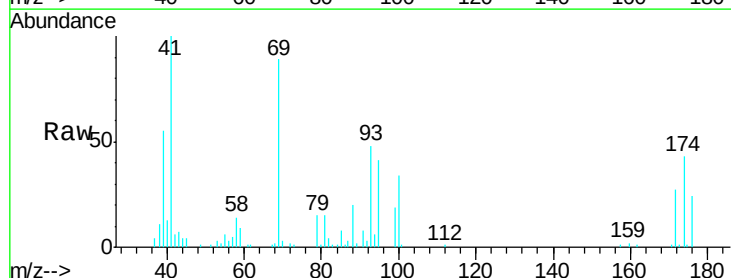
RT: 9.46 min Scan# 1282

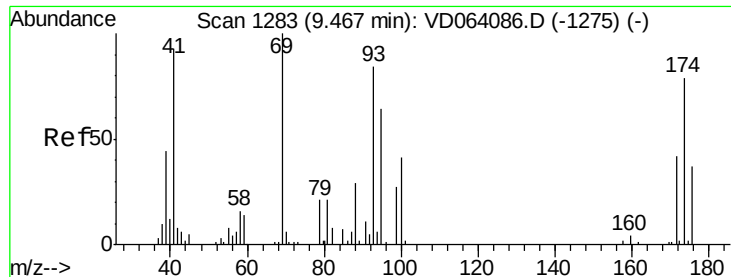
Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion:	41	Resp:	51259
Ion Ratio	Lower	Upper	
41	100		
69	95.4	82.6	124.0
39	54.8	47.0	70.4





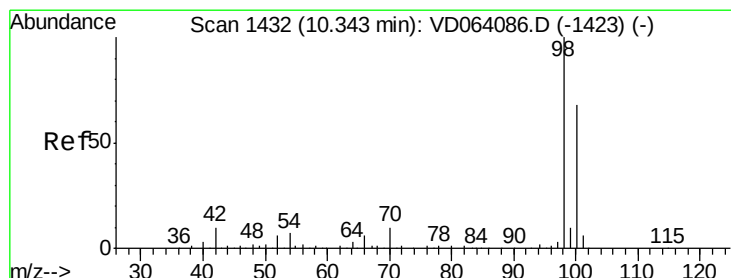
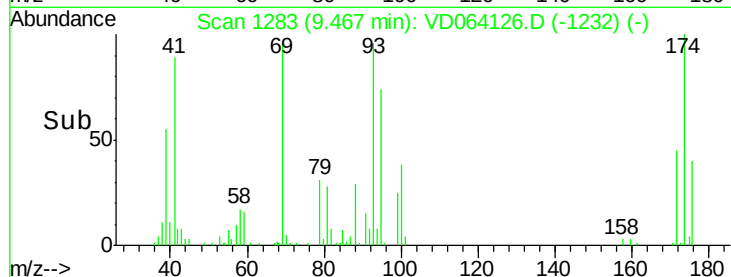
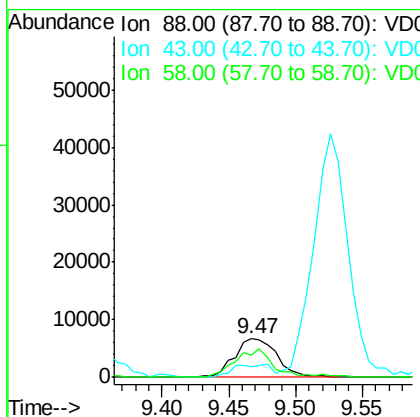
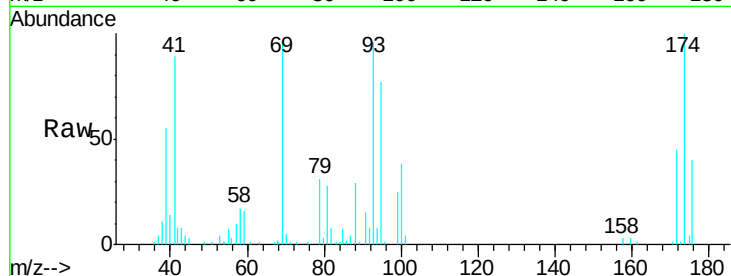
#49
 1,4-Dioxane
 Concen: 1016.519 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
88	100		
43	28.9	13.4	20.0#
58	64.5	46.7	70.1

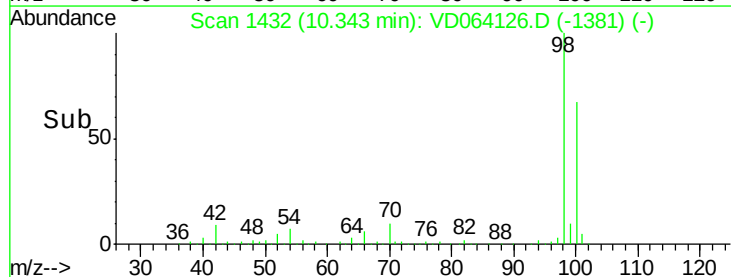
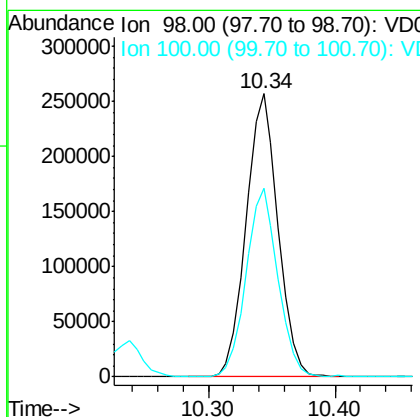
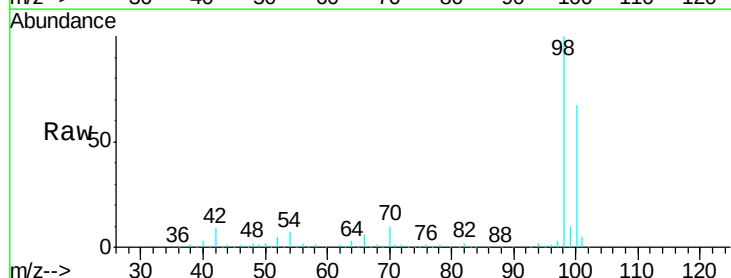
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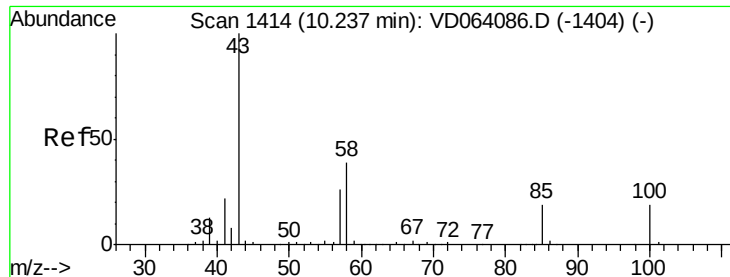
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#50
 Toluene-d8
 Concen: 50.519 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0





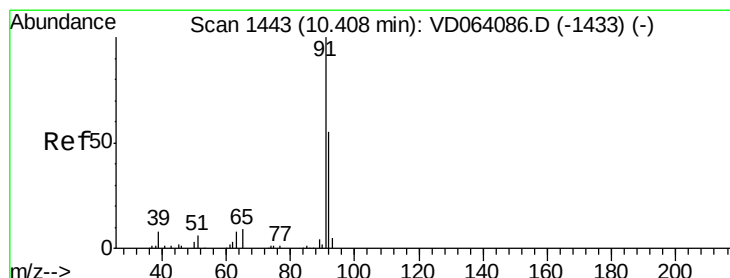
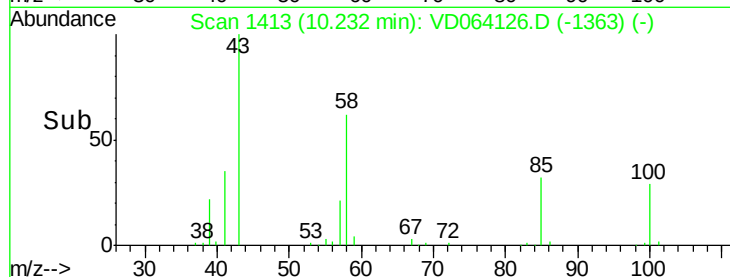
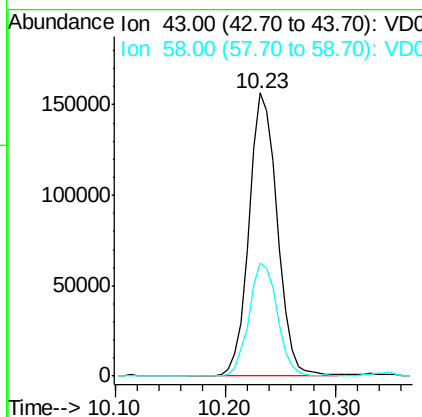
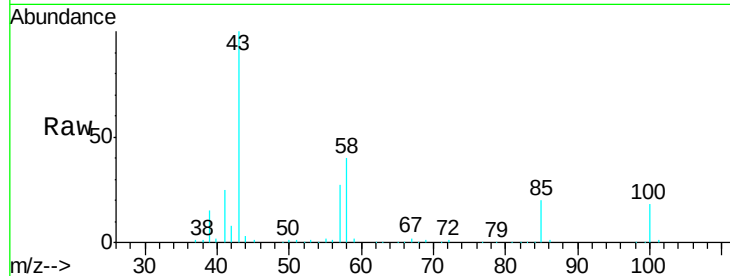
#51
 4-Methyl-2-Pentanone
 Concen: 246.666 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 43 Resp: 282673
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.0 49.4

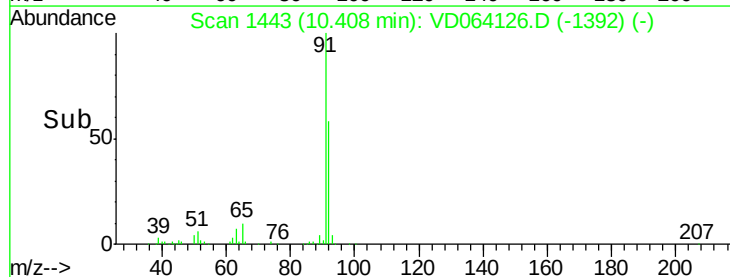
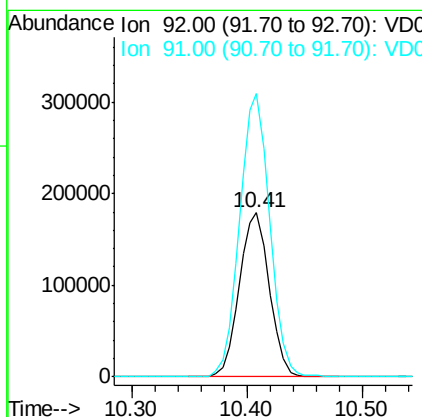
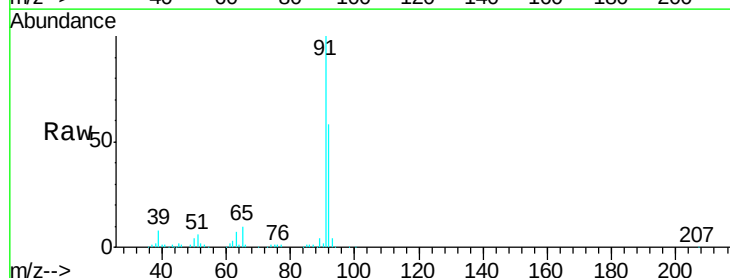
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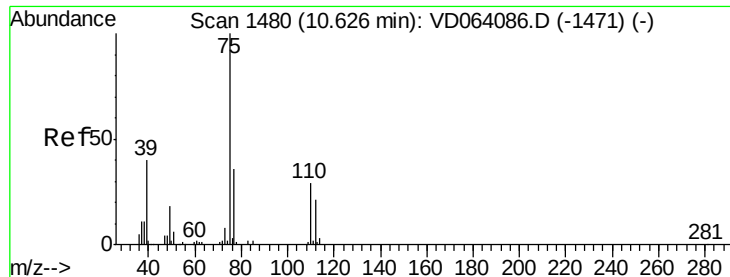
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#52
 Toluene
 Concen: 49.913 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 92 Resp: 322790
 Ion Ratio Lower Upper
 92 100
 91 172.9 140.7 211.1





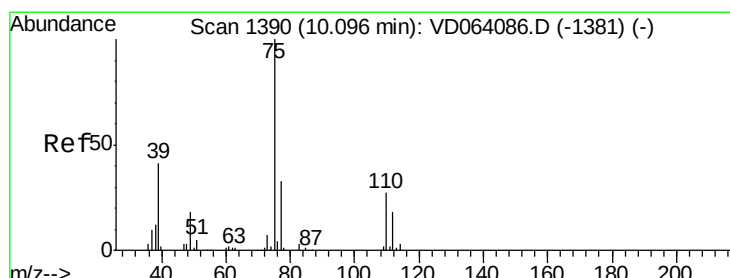
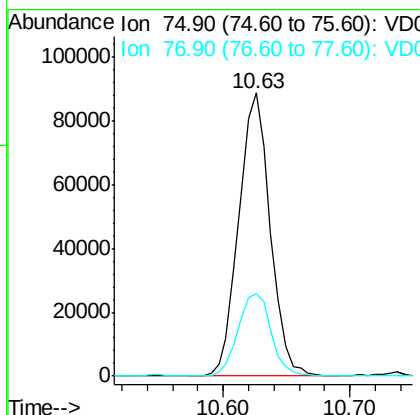
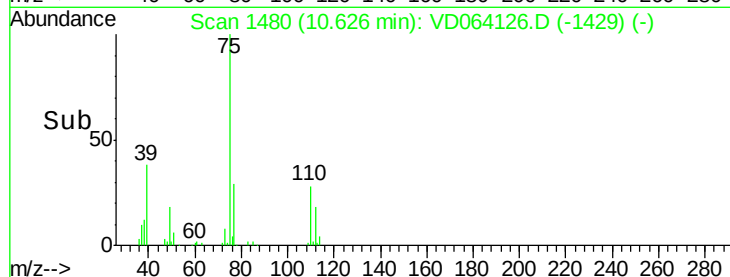
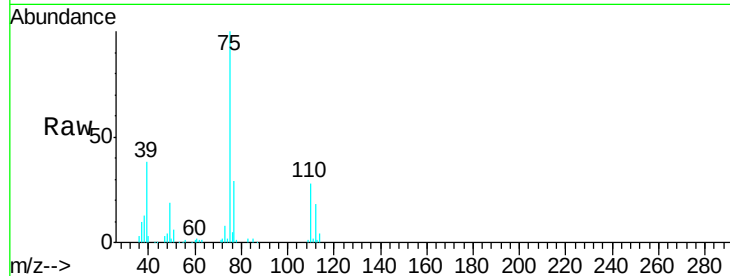
#53
t-1,3-Dichloropropene
Concen: 50.385 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 152826
Ion Ratio Lower Upper
75 100
77 29.0 28.7 43.1

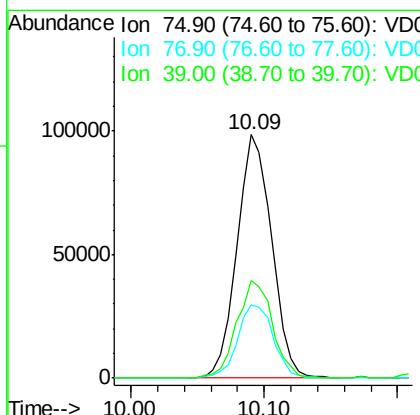
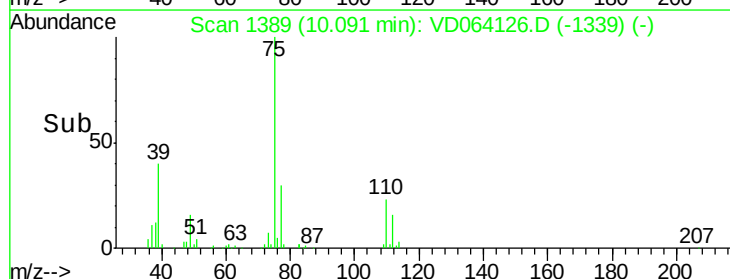
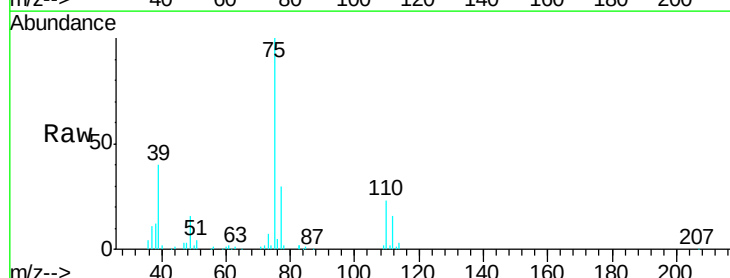
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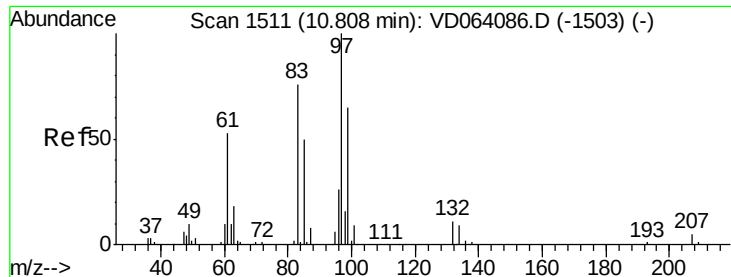
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#54
cis-1,3-Dichloropropene
Concen: 49.563 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 75 Resp: 176869
Ion Ratio Lower Upper
75 100
77 30.3 26.8 40.2
39 39.9 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 46.435 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.01 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

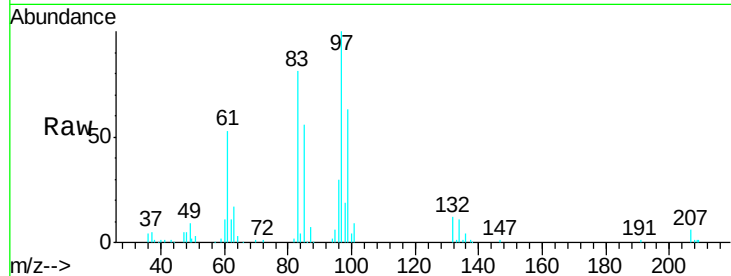
ClientSampleId :

VSTDCCC050

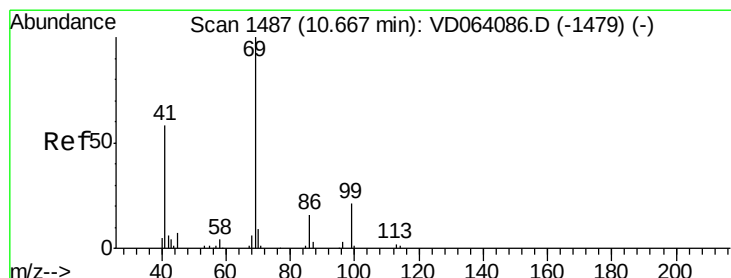
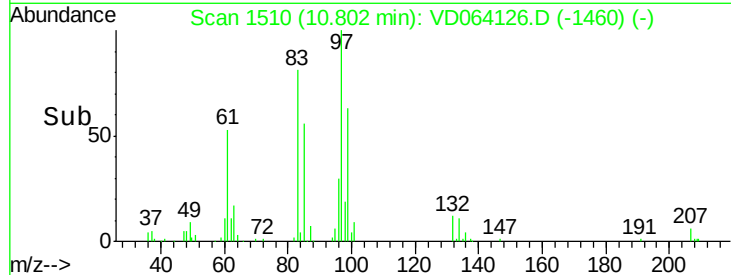
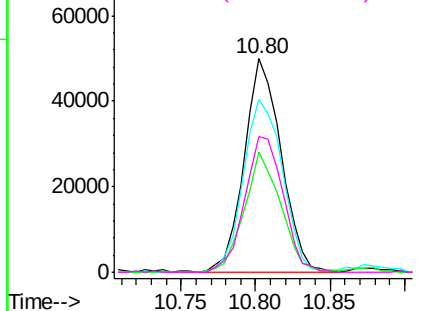
Tgt Ion:	97	Resp:	84796
Ion	Ratio	Lower	Upper
97	100		
83	81.1	60.9	91.3
85	56.5	40.2	60.2
99	63.5	51.9	77.9

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



#56

Ethyl methacrylate

Concen: 46.036 ug/l

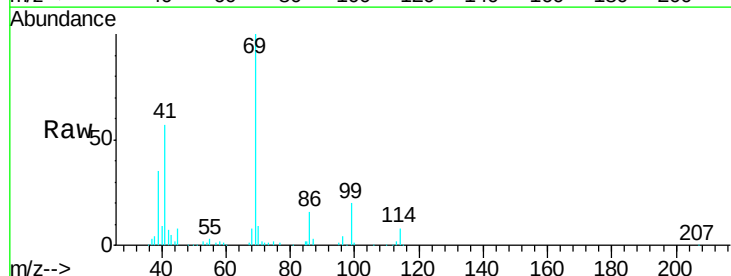
RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

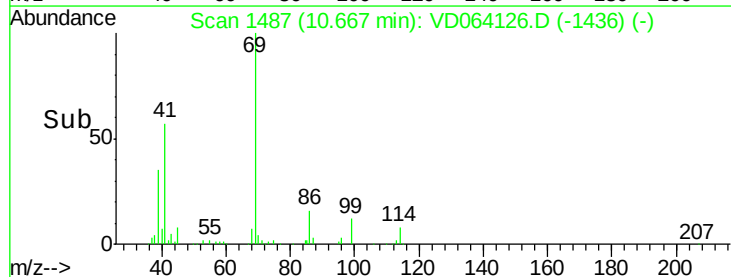
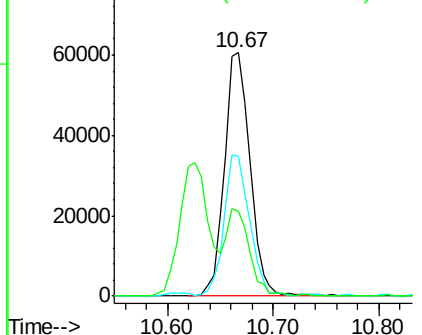
Lab File: VD064126.D

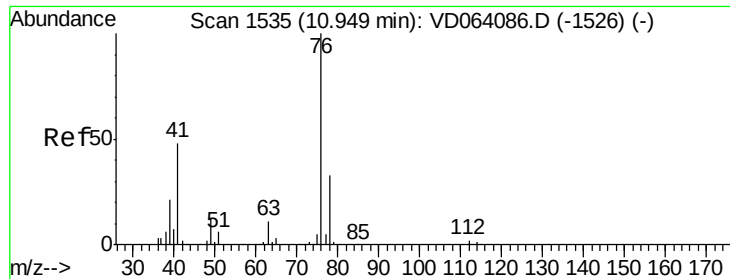
Acq: 31 Oct 2019 11:52

Tgt Ion:	69	Resp:	101615
Ion	Ratio	Lower	Upper
69	100		
41	57.8	46.9	70.3
39	32.6	27.3	40.9



Abundance Ion 69.00 (68.70 to 69.70): VDC
Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





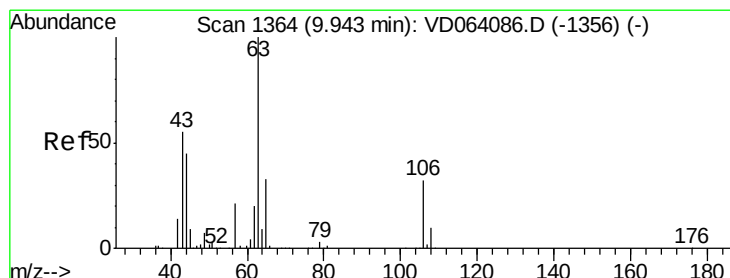
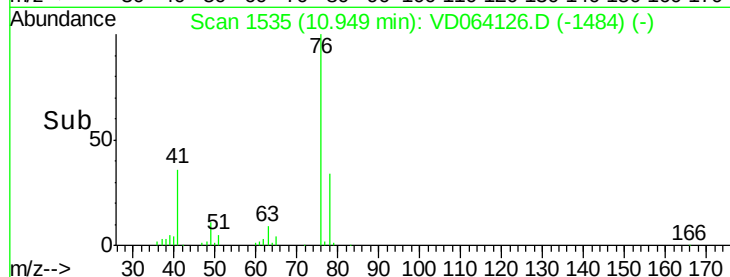
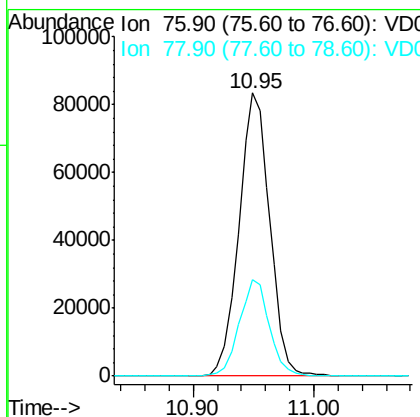
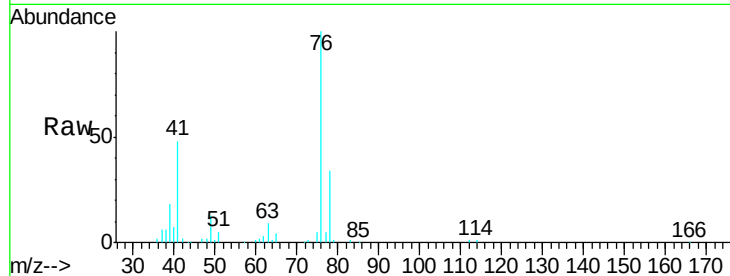
#57
 1,3-Dichloropropane
 Concen: 49.009 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.9	38.9

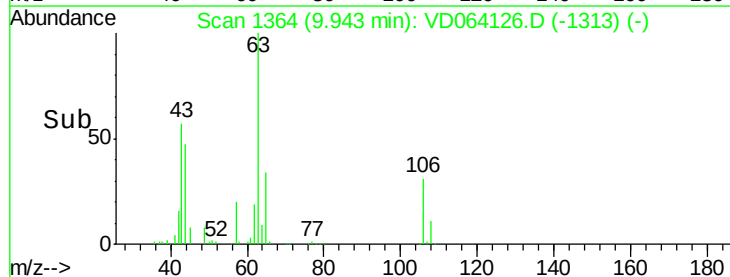
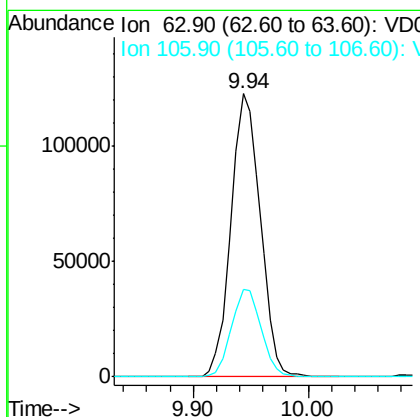
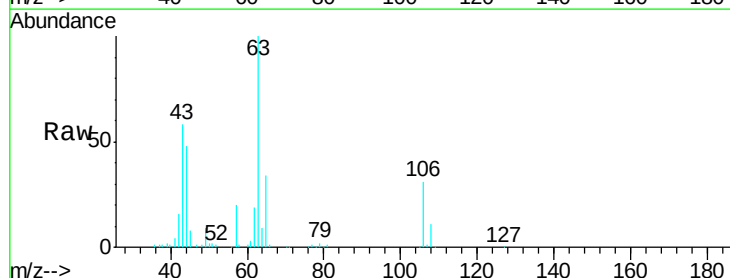
Manual Integrations
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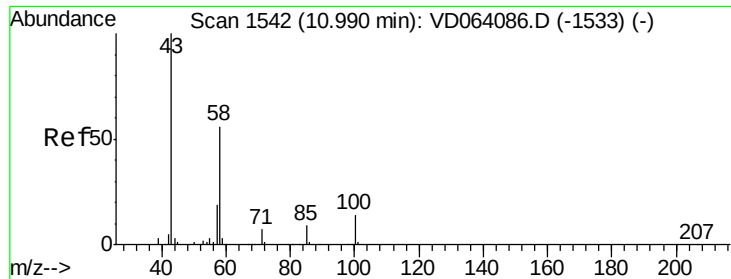
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#58
 2-Chloroethyl Vinyl ether
 Concen: 270.929 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.1	25.8	38.8





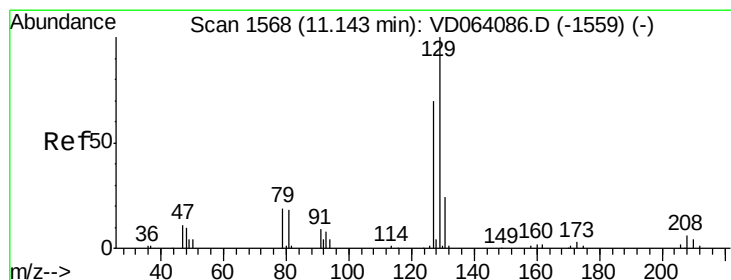
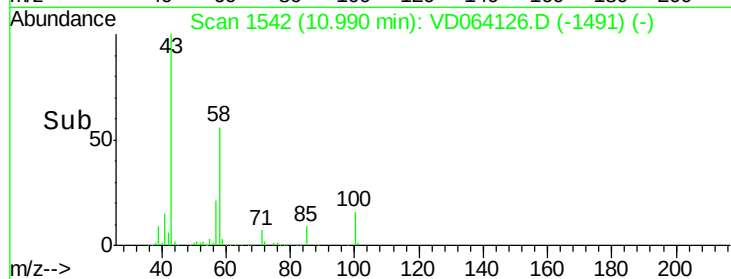
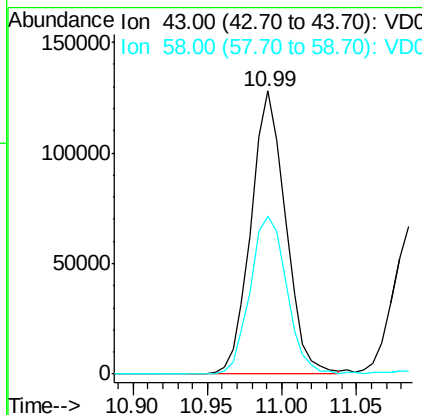
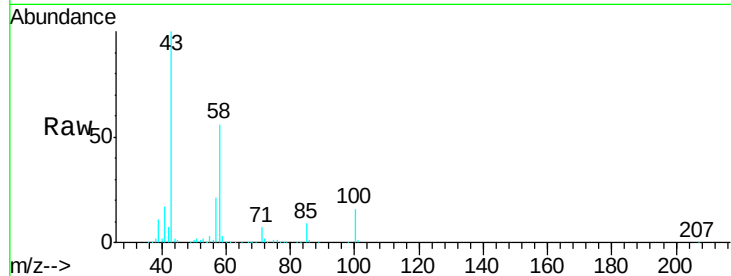
#59
2-Hexanone
Concen: 229.345 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampled :
VSTDCCC050

Tgt Ion: 43 Resp: 205331
Ion Ratio Lower Upper
43 100
58 58.8 29.2 87.6

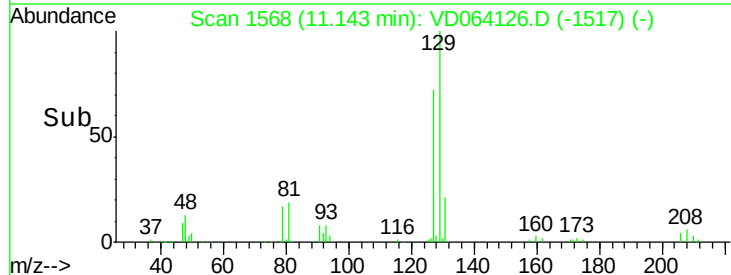
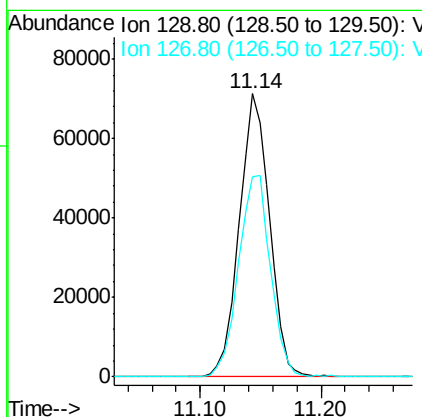
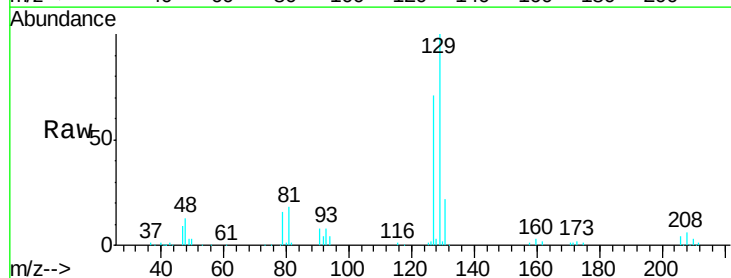
Manual Integrations
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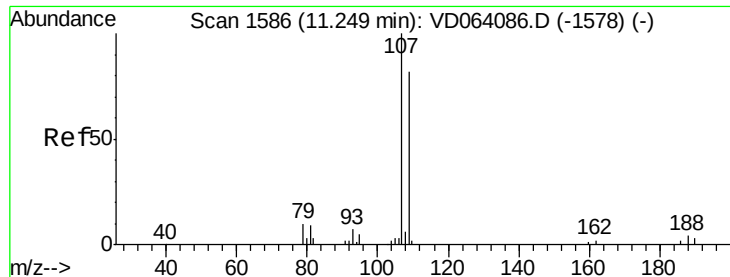
MMDadoda
11/1/2019 12:06:58 PM



#60
Dibromochloromethane
Concen: 50.368 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 129 Resp: 124841
Ion Ratio Lower Upper
129 100
127 75.3 38.3 114.8





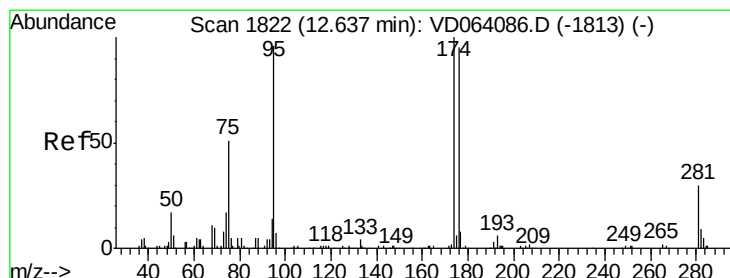
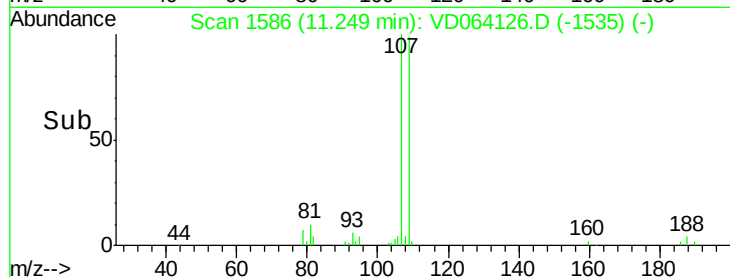
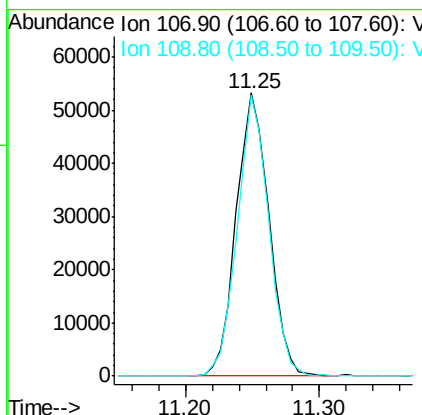
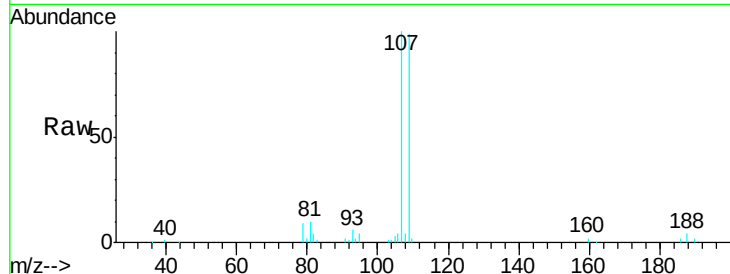
#61
 1,2-Dibromoethane
 Concen: 49.662 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion: 107 Resp: 90704
 Ion Ratio Lower Upper
 107 100
 109 95.0 73.0 109.4

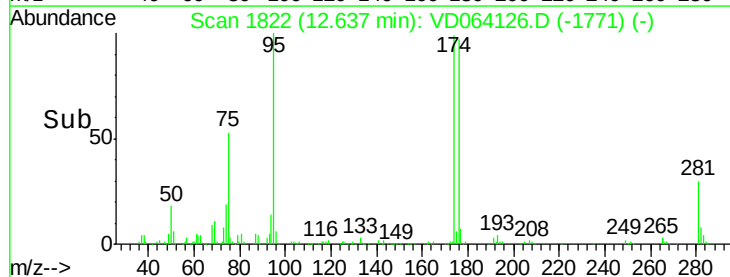
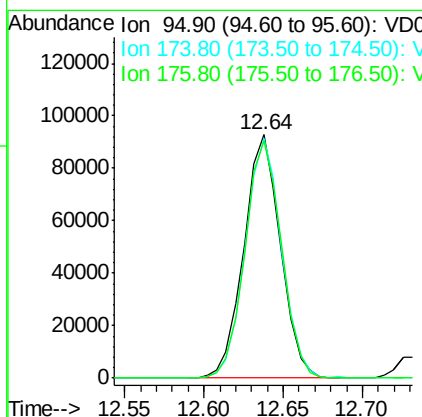
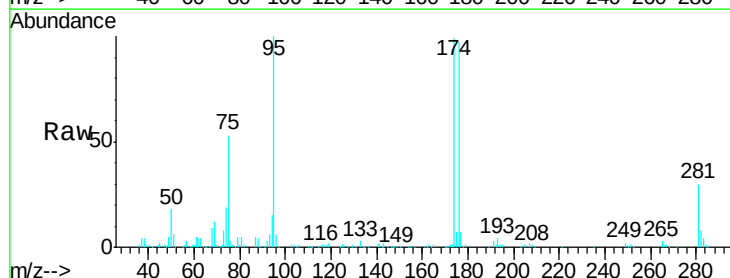
Manual Integrations
 APPROVED

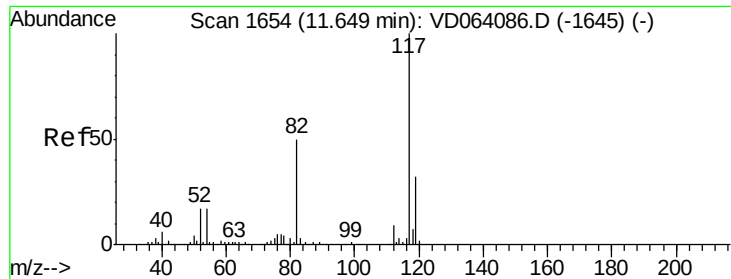
MMDadoda
 11/1/2019 12:06:58 PM



#62
 4-Bromofluorobenzene
 Concen: 50.571 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion: 95 Resp: 148973
 Ion Ratio Lower Upper
 95 100
 174 97.5 0.0 201.6
 176 97.3 0.0 192.6





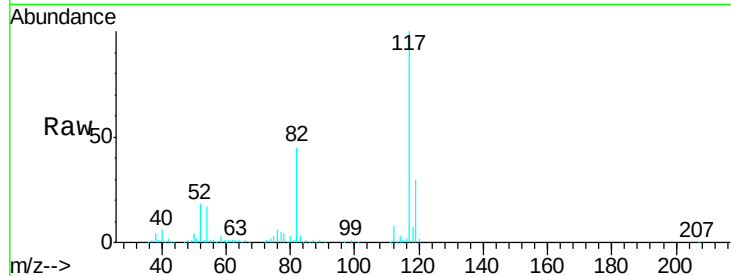
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	45.3	40.2	60.4
119	30.1	26.0	39.0

Manual Integrations
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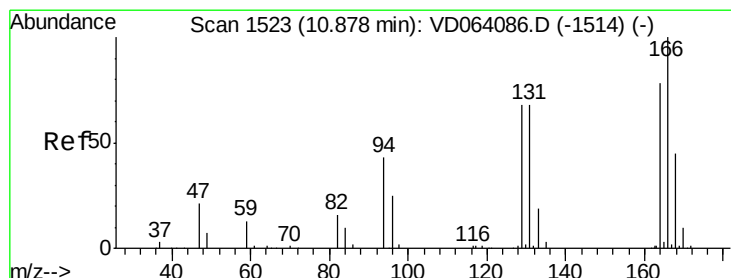
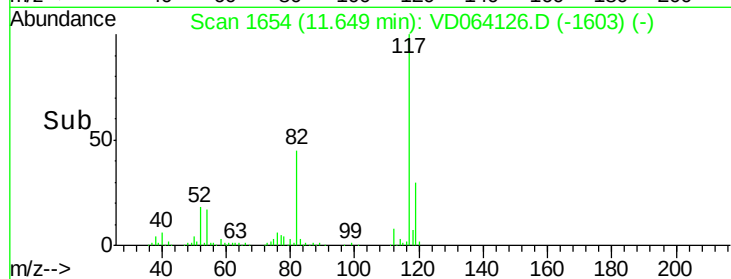
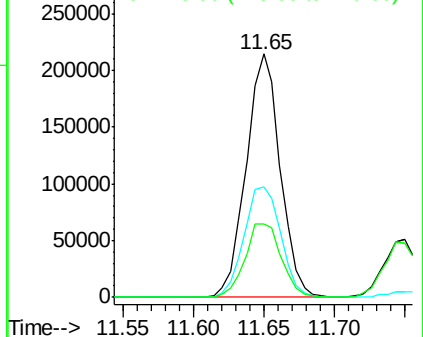


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 48.402 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	126.7	102.7	154.1
129	83.6	69.8	104.6
131	89.1	69.4	104.0

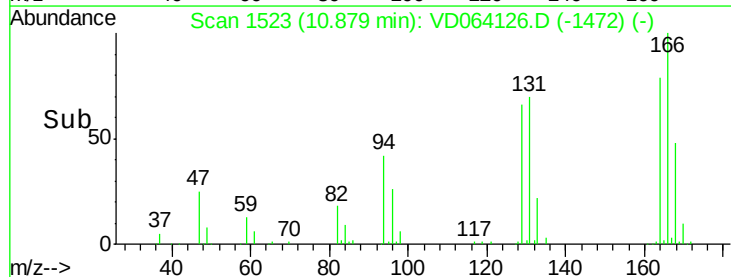
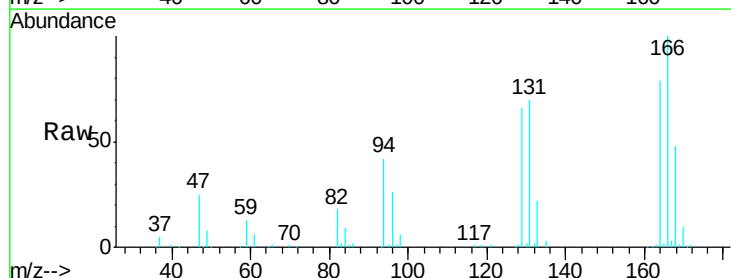
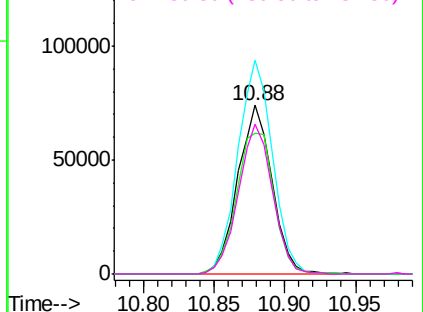
Abundance

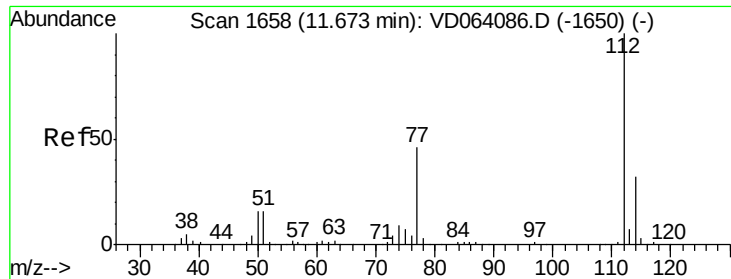
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





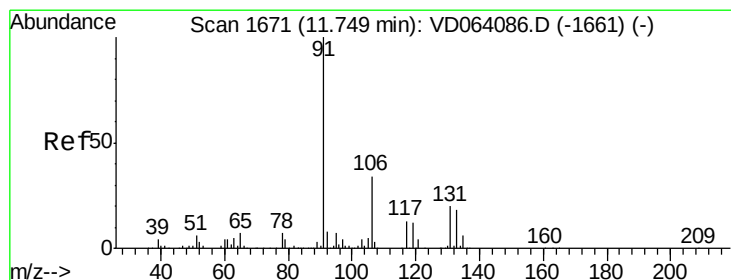
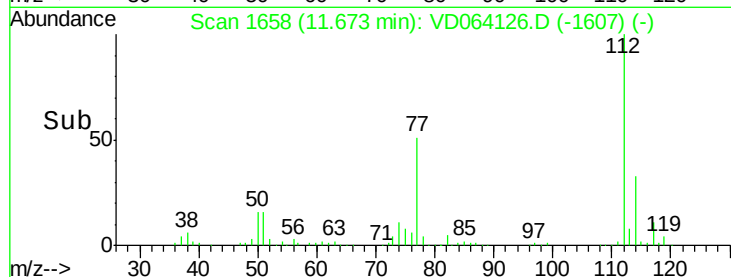
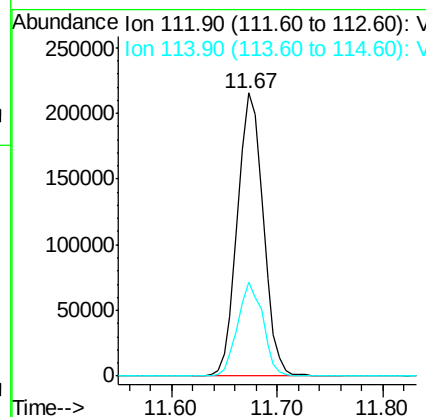
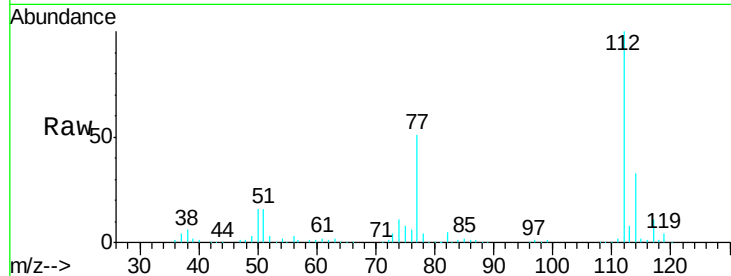
#65
Chlorobenzene
Concen: 48.453 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 363172
Ion Ratio Lower Upper
112 100
114 33.3 25.4 38.0

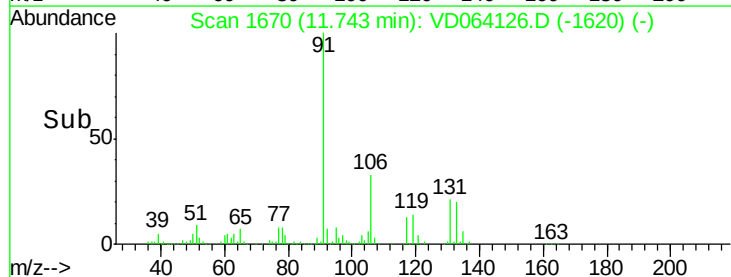
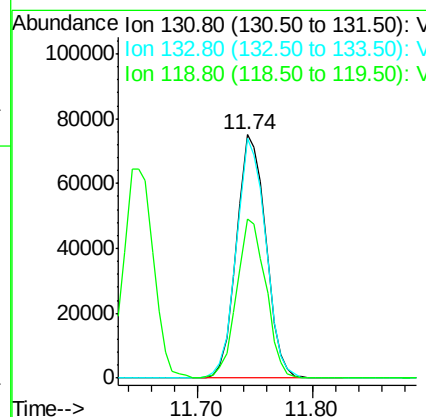
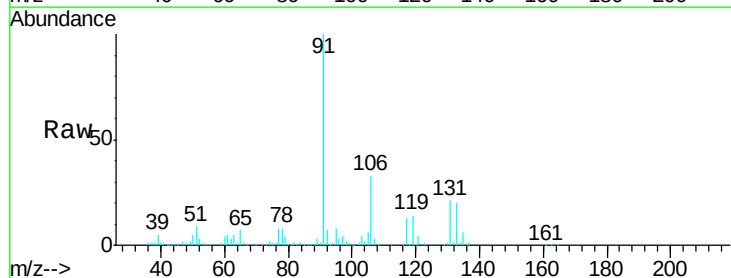
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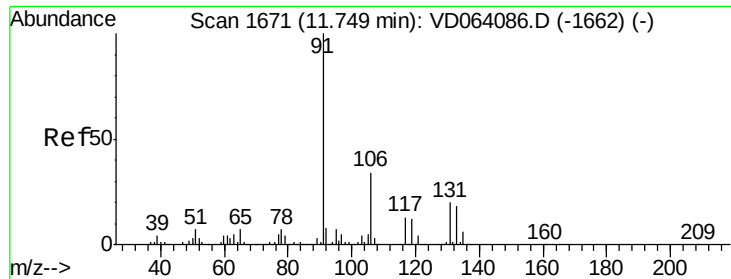
MMDadoda
11/1/2019 12:06:58 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.230 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion:131 Resp: 132462
Ion Ratio Lower Upper
131 100
133 98.4 47.6 142.9
119 65.0 31.4 94.3





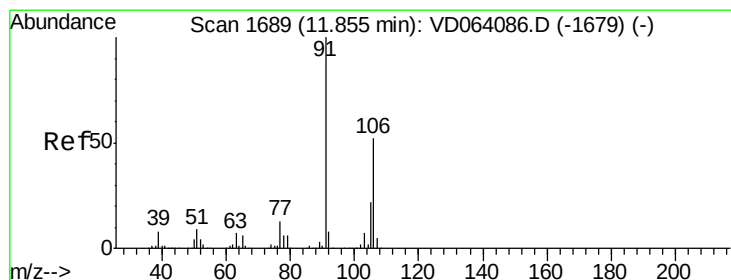
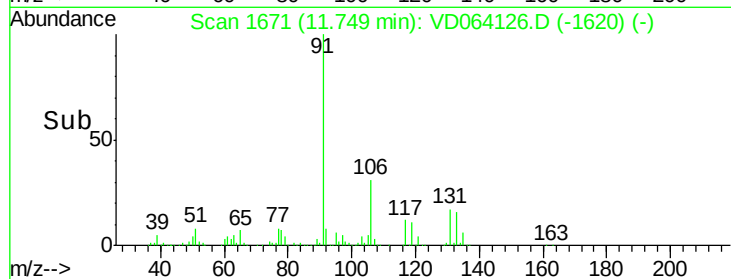
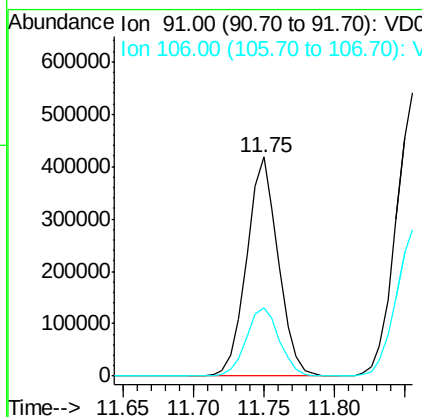
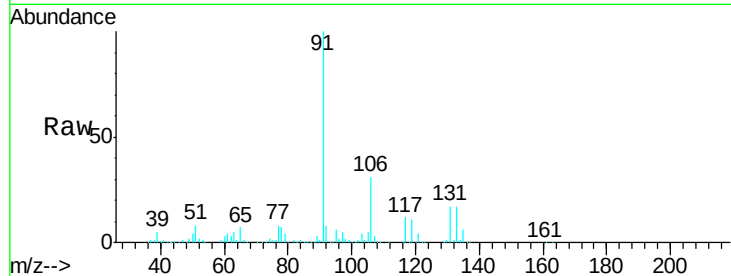
#67
Ethyl Benzene
Concen: 49.104 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 654641
Ion Ratio Lower Upper
91 100
106 31.0 27.0 40.6

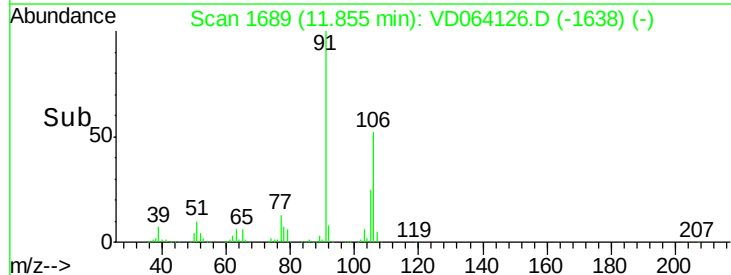
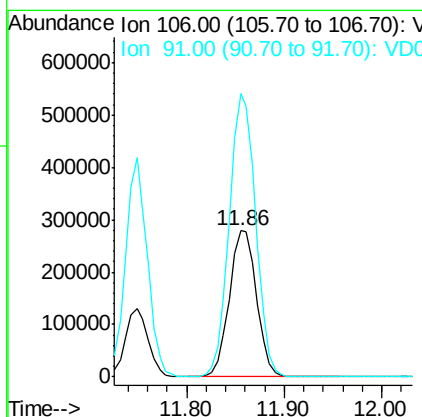
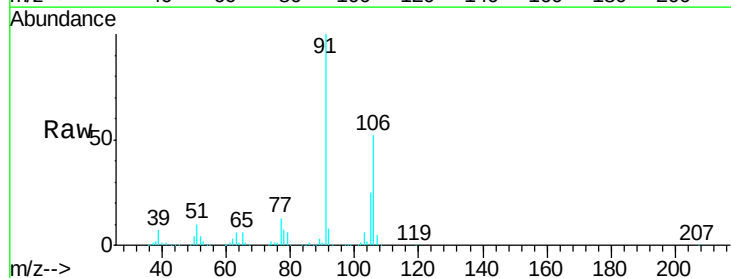
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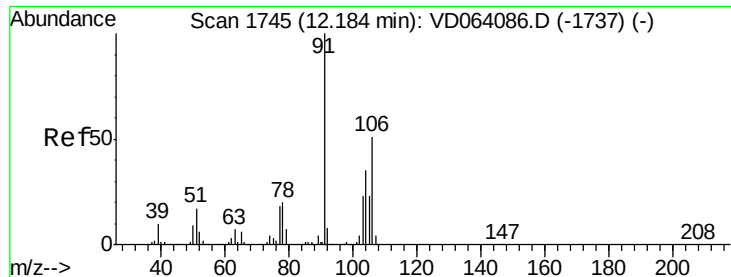
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11/1/2019 12:06:58 PM



#68
m/p-Xylenes
Concen: 99.955 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion: 106 Resp: 535998
Ion Ratio Lower Upper
106 100
91 189.2 154.0 231.0





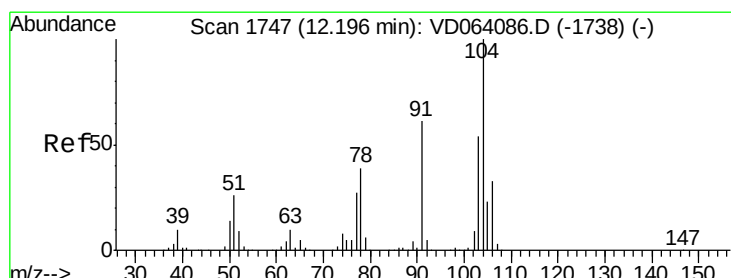
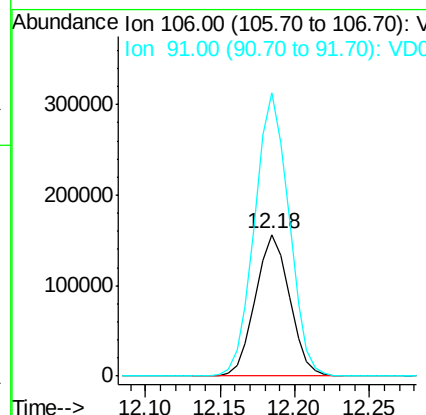
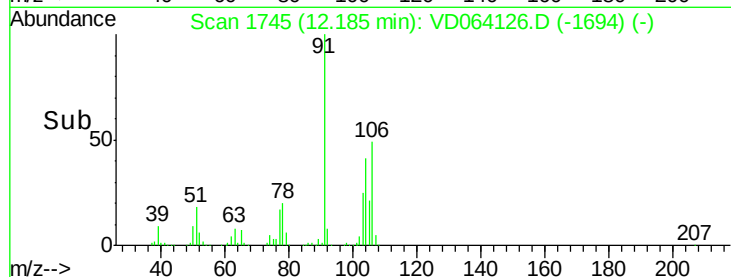
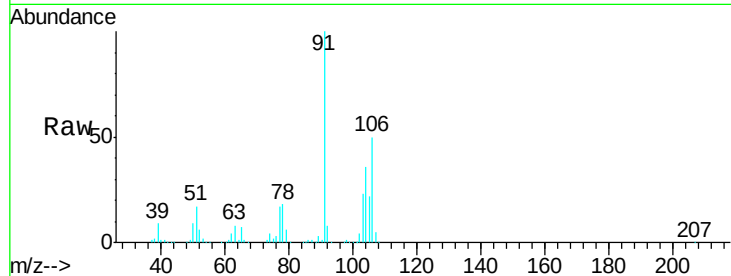
#69
o-Xylene
Concen: 50.608 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 247669
Ion Ratio Lower Upper
106 100
91 201.3 100.6 301.9

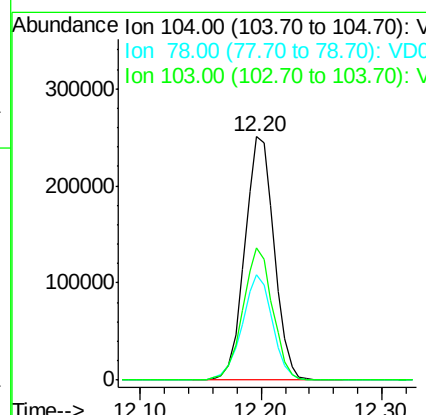
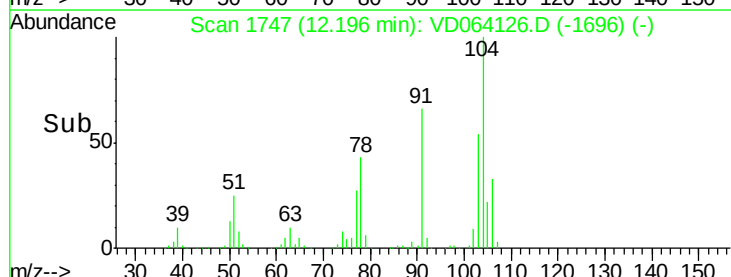
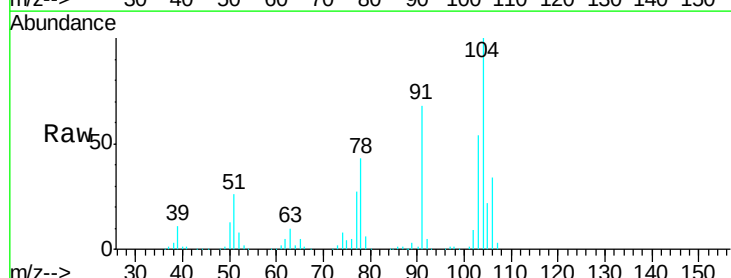
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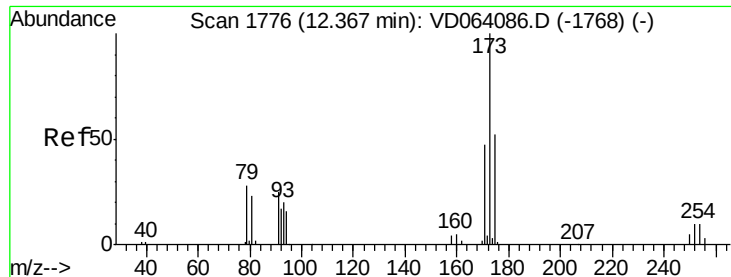
MMDadoda
11/1/2019 12:06:58 PM



#70
Styrene
Concen: 50.325 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion:104 Resp: 424764
Ion Ratio Lower Upper
104 100
78 44.6 34.6 51.8
103 55.3 44.2 66.2





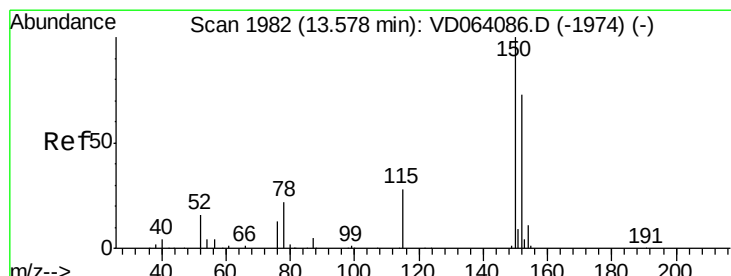
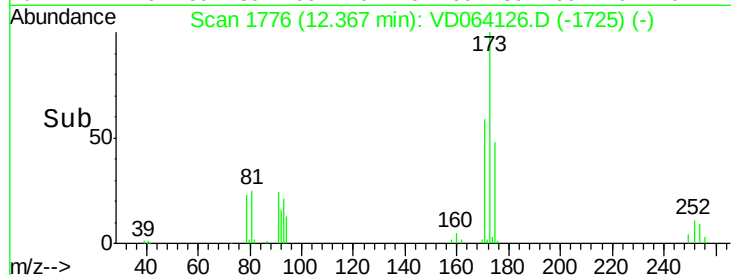
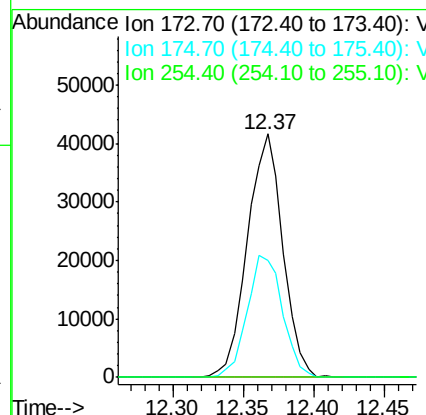
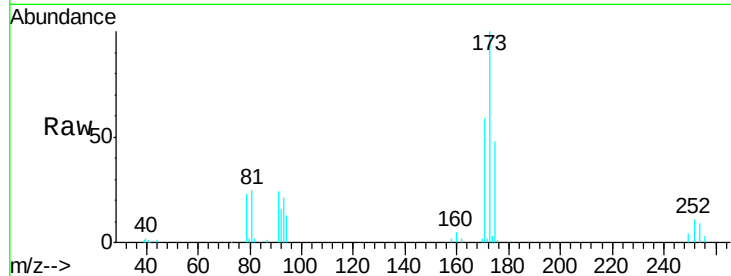
#71
Bromoform
Concen: 48.815 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.3	72.9
254	0.0	0.0	0.0

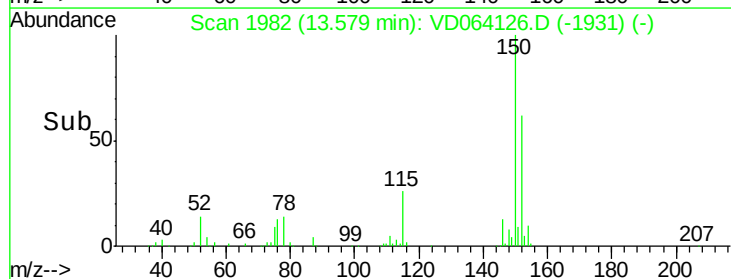
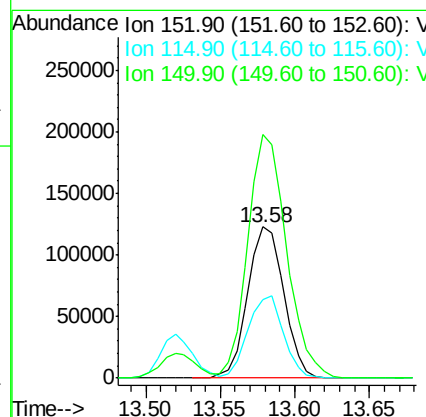
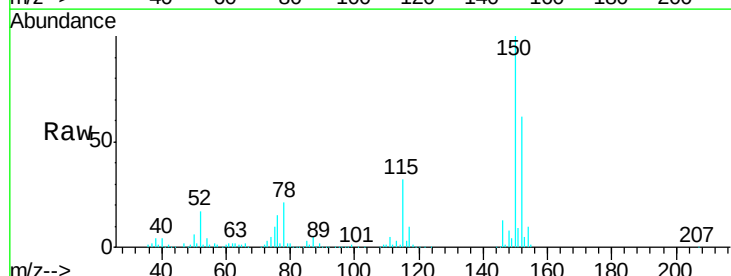
Manual Integrations
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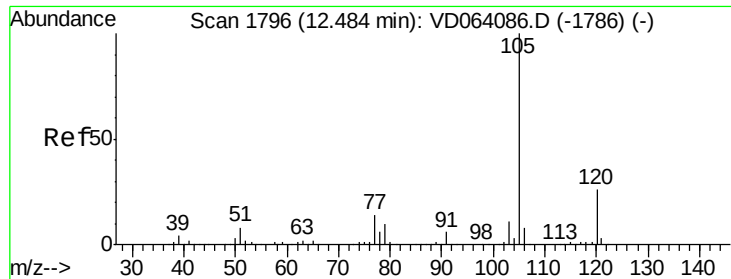
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11/1/2019 12:06:58 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.3	26.2	78.6
150	173.4	0.0	338.8





#73

Isopropylbenzene

Concen: 48.150 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 105 Resp: 687495

Ion Ratio Lower Upper

105 100

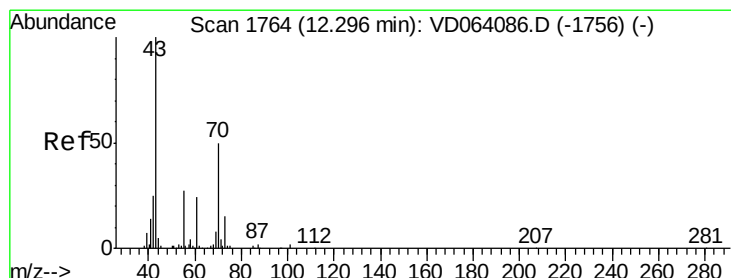
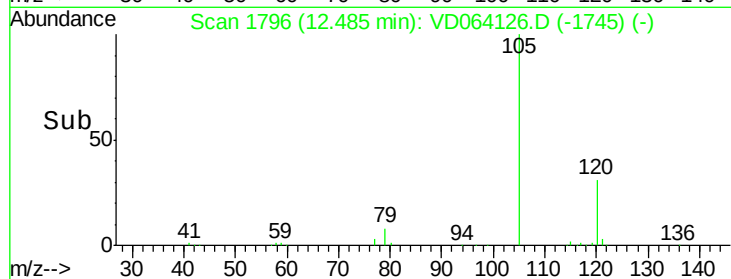
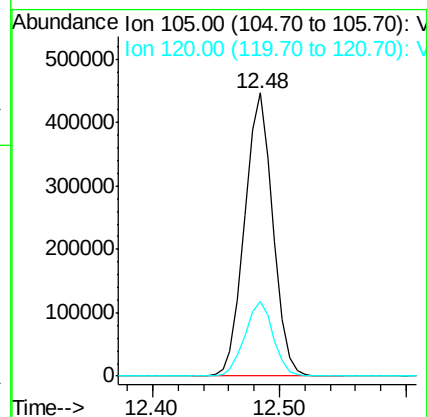
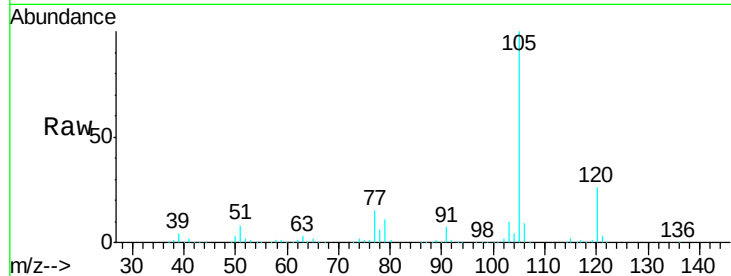
120 26.5 13.3 39.9

Manual Integrations

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#74

N-ethyl acetate

Concen: 47.767 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion: 43 Resp: 113304

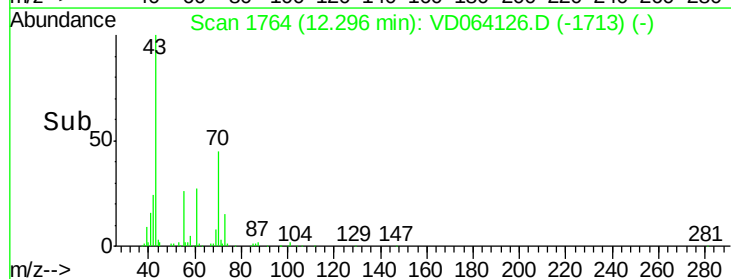
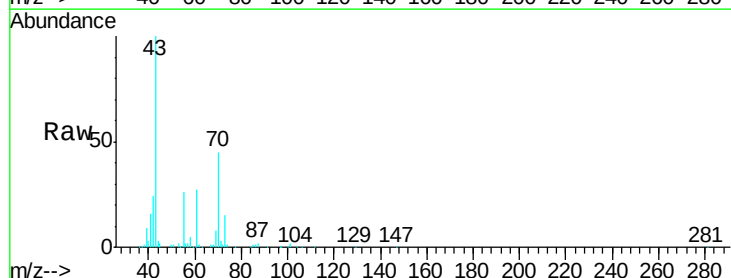
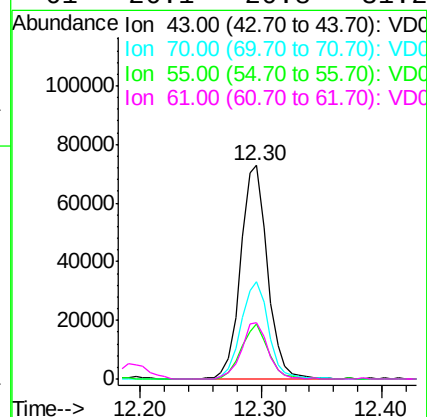
Ion Ratio Lower Upper

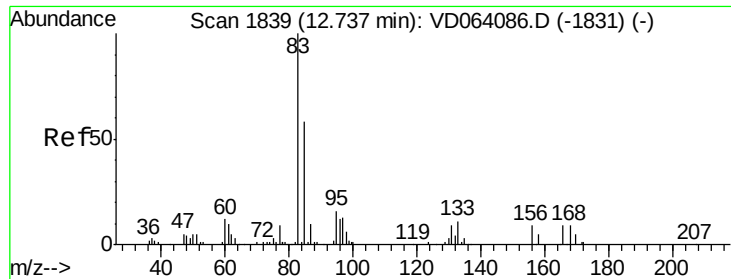
43 100

70 46.5 38.6 58.0

55 25.7 20.4 30.6

61 26.1 20.8 31.2





#75

1,1,2,2-Tetrachloroethane

Concen: 44.406 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

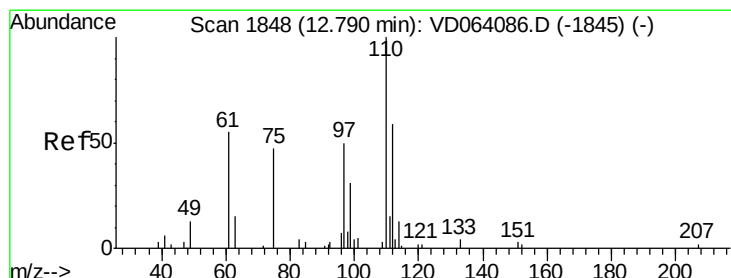
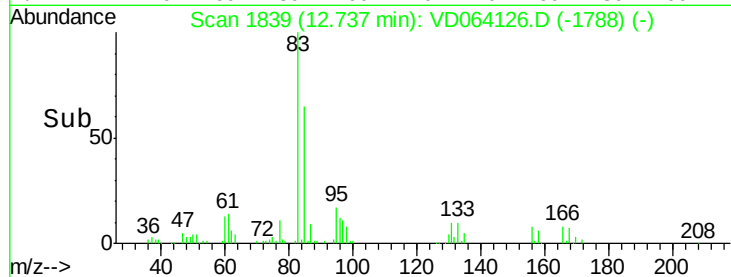
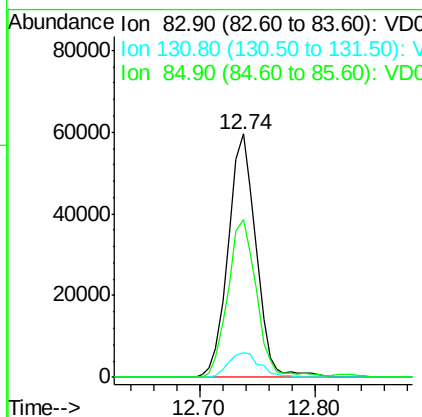
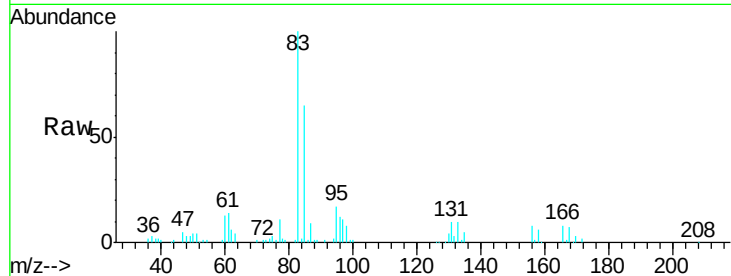
ClientSampleId :

VSTDCCC050

Tgt Ion:	83	Resp:	99938
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.0
85	65.4	32.1	96.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.960 ug/l m

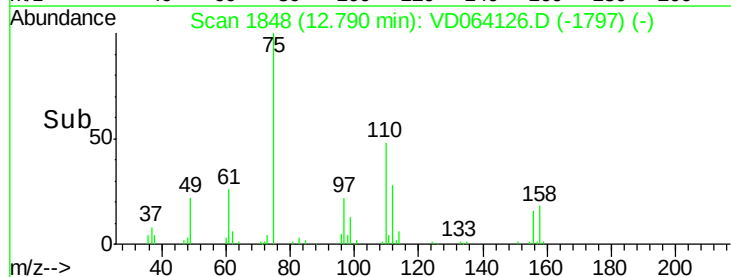
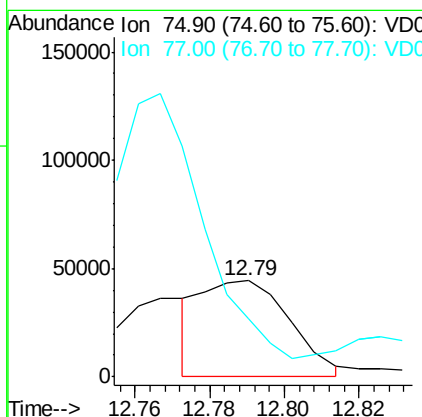
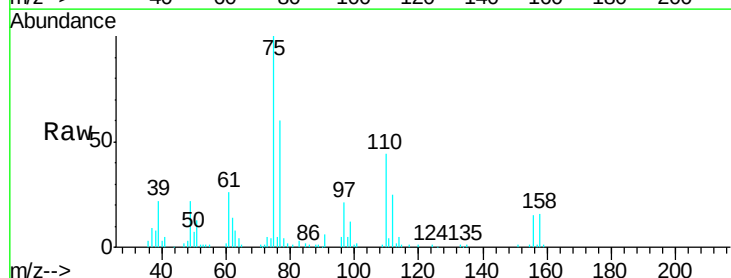
RT: 12.79 min Scan# 1848

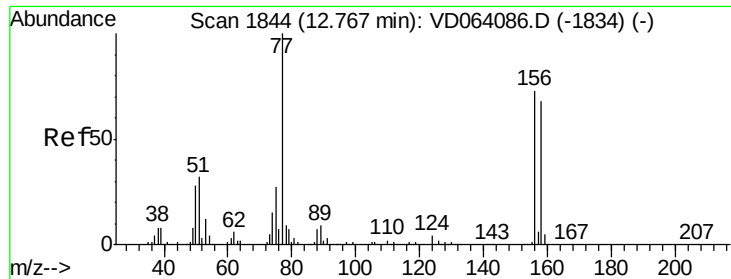
Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion:	75	Resp:	73119
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 46.839 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

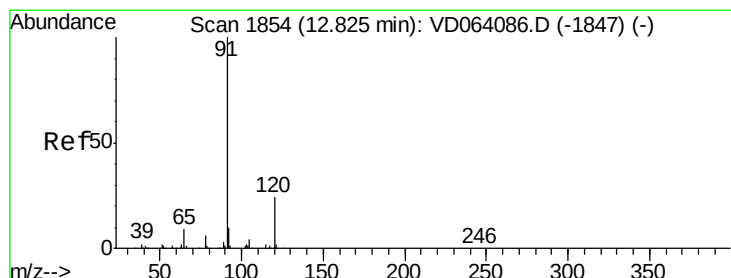
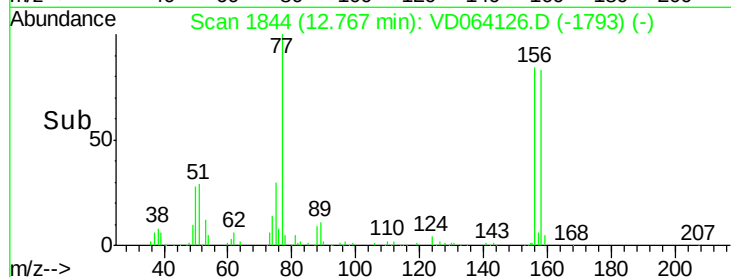
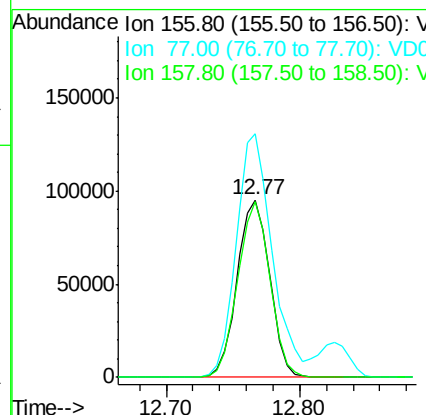
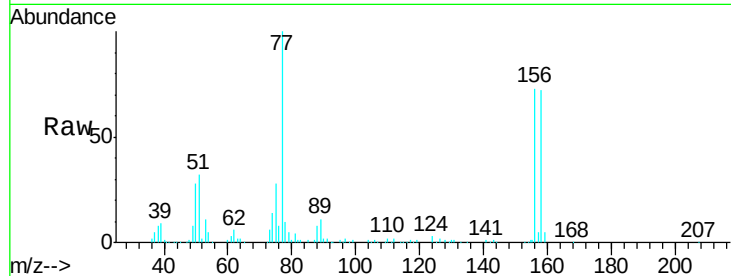
ClientSampleId :

VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
156	100		
77	151.2	76.0	228.0
158	97.9	47.6	142.8

Manual Integrations
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#78

n-propylbenzene

Concen: 48.953 ug/l

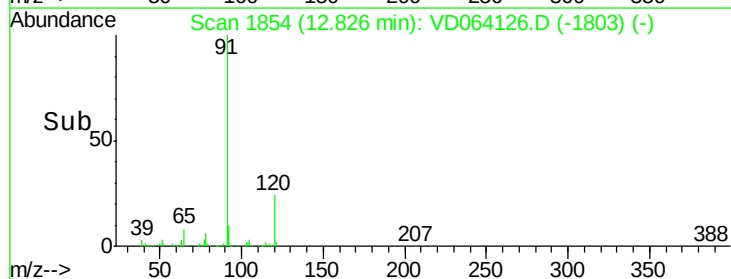
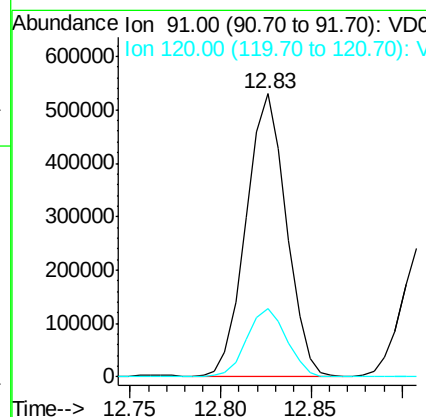
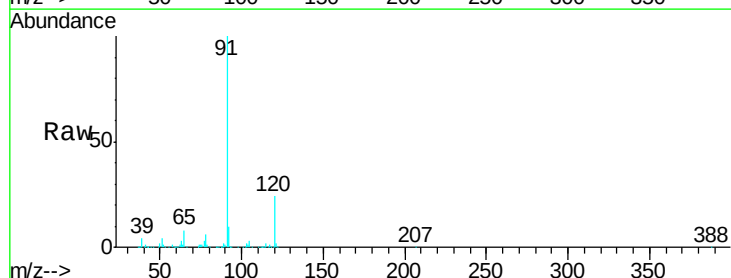
RT: 12.83 min Scan# 1854

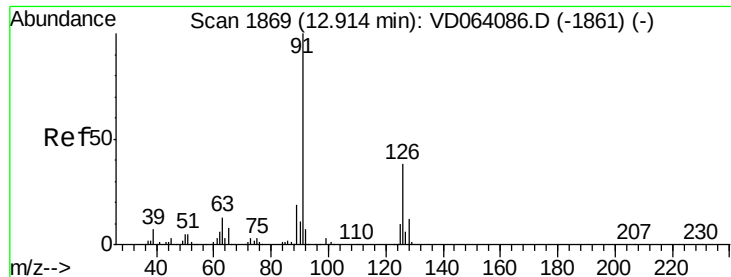
Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.1	36.3





#79

2-Chlorotoluene

Concen: 47.428 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion: 91 Resp: 425402

Ion Ratio Lower Upper

91 100

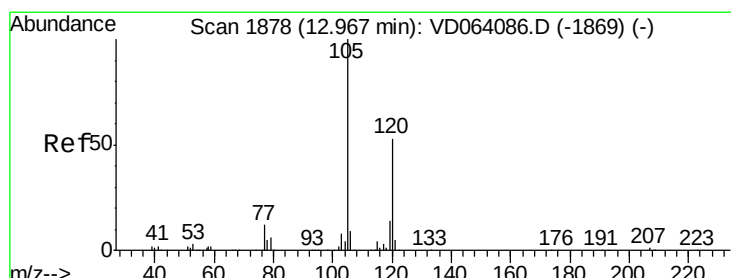
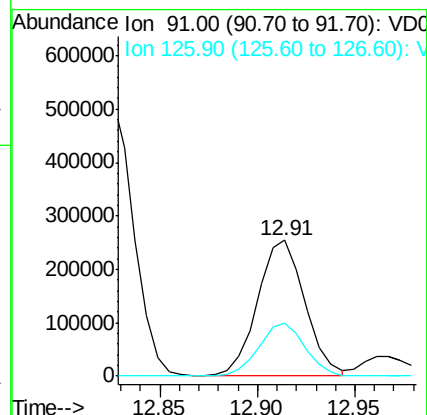
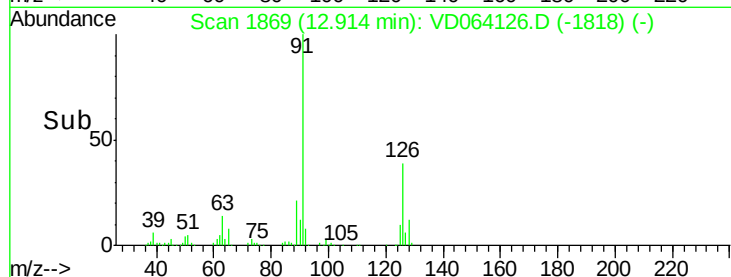
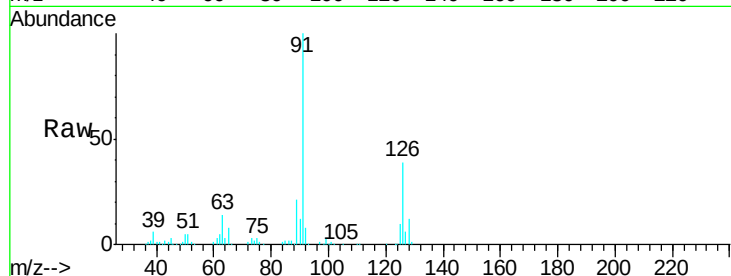
126 38.3 19.1 57.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 48.481 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064126.D

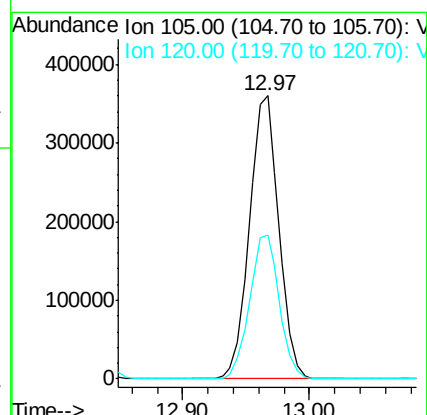
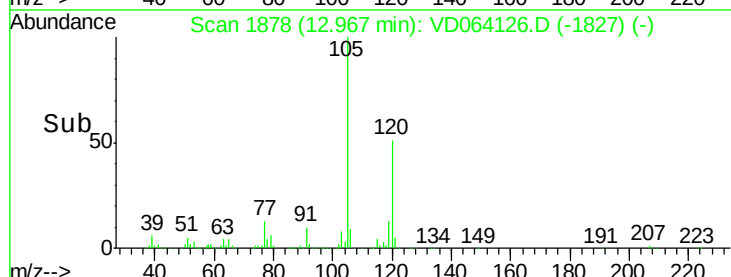
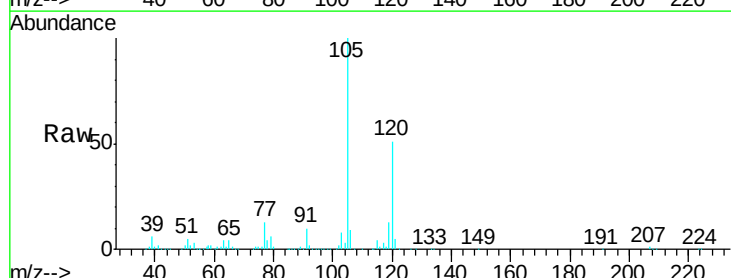
Acq: 31 Oct 2019 11:52

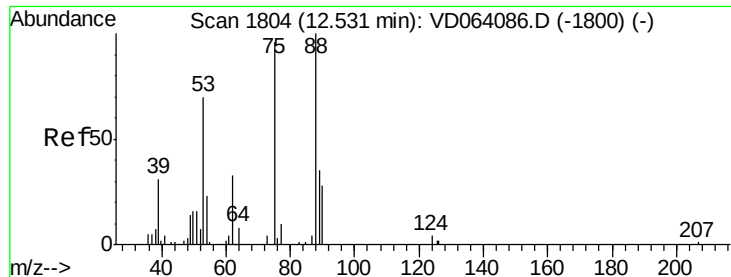
Tgt Ion: 105 Resp: 579340

Ion Ratio Lower Upper

105 100

120 51.3 25.8 77.4





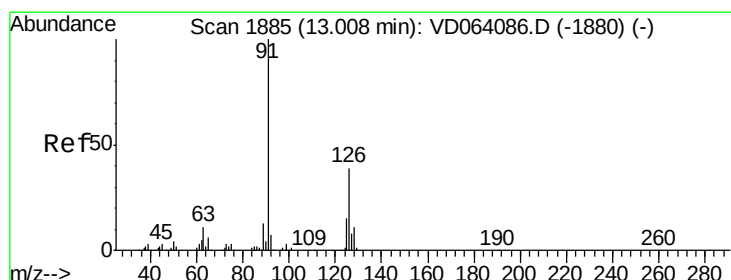
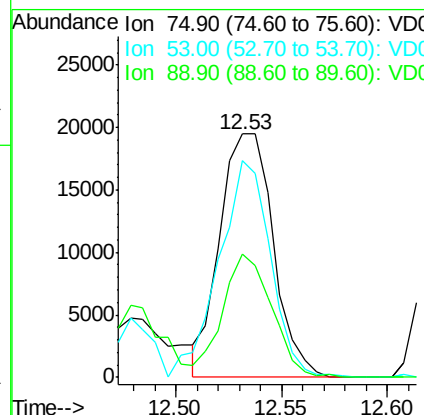
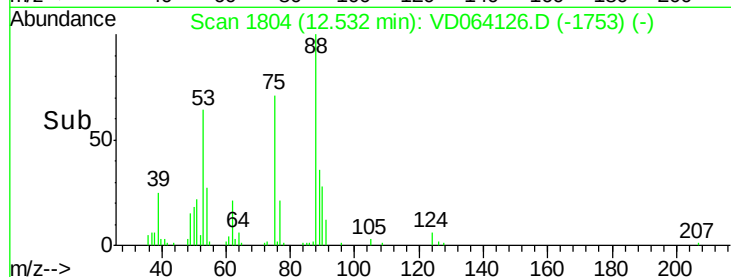
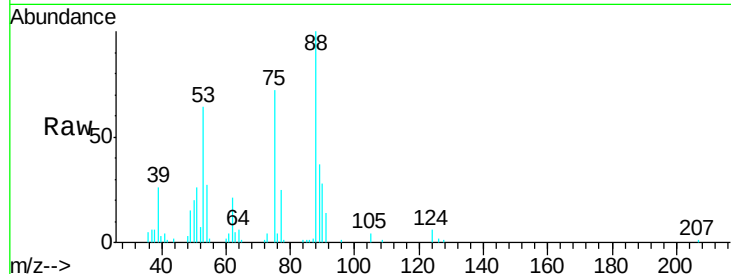
#81
trans-1,4-Dichloro-2-butene
Concen: 50.558 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
75	100		
53	86.2	68.6	103.0
89	46.5	36.9	55.3

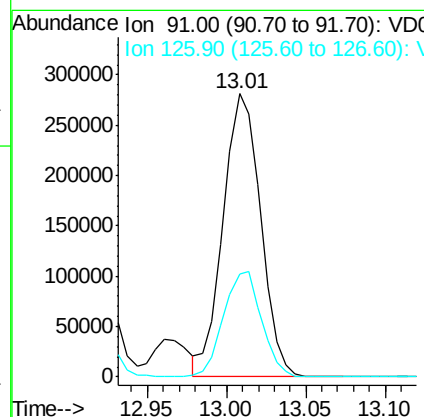
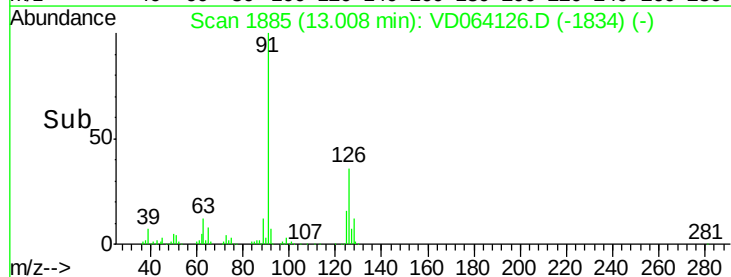
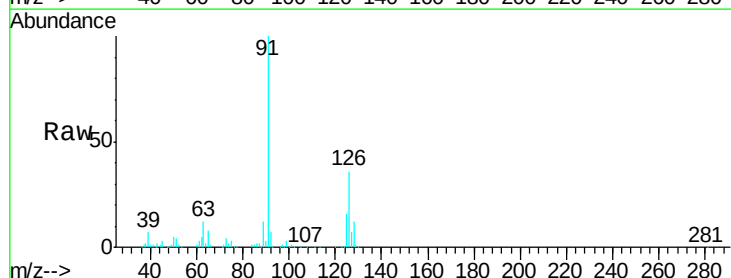
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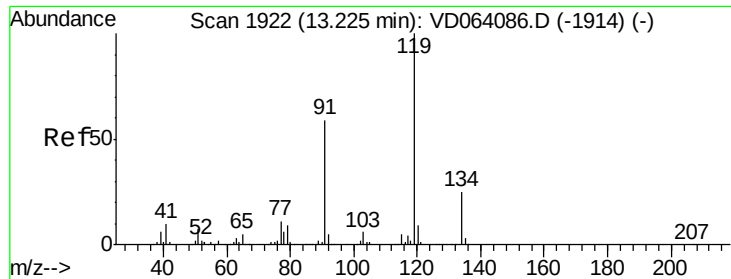
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#82
4-Chlorotoluene
Concen: 48.203 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.7	18.9	56.5





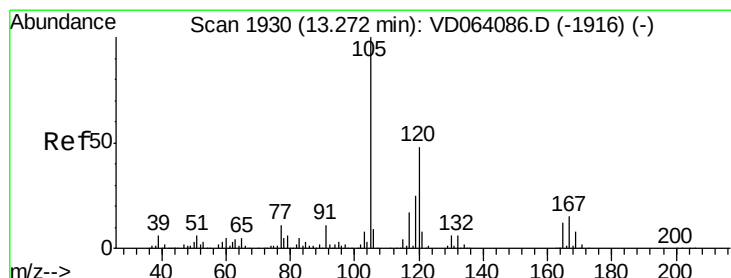
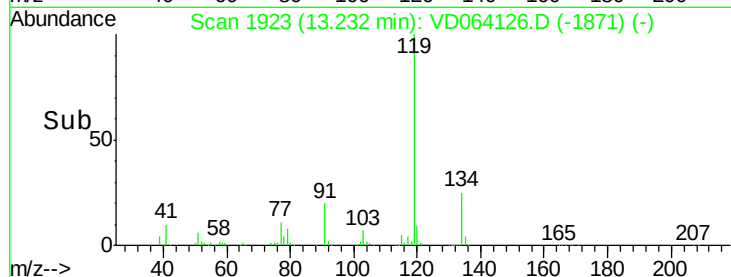
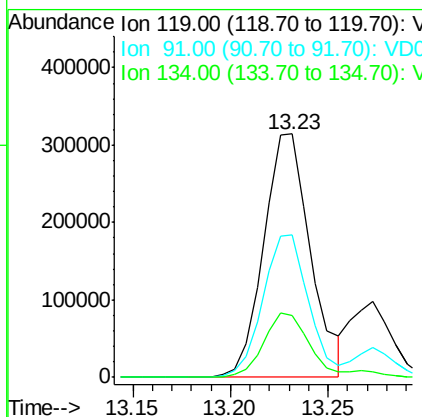
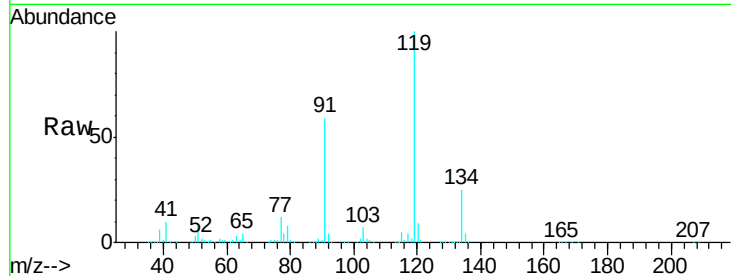
#83
 tert-Butylbenzene
 Concen: 48.701 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	522712		
91	57.1	28.3	85.0	
134	27.2	12.9	38.6	

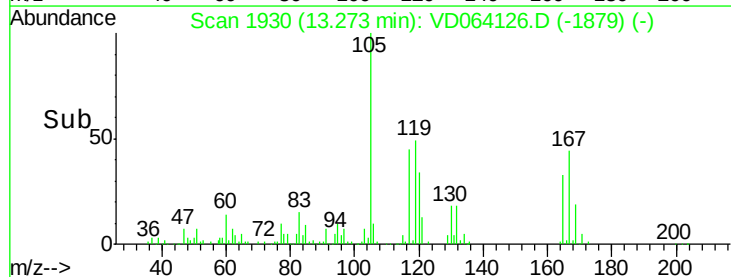
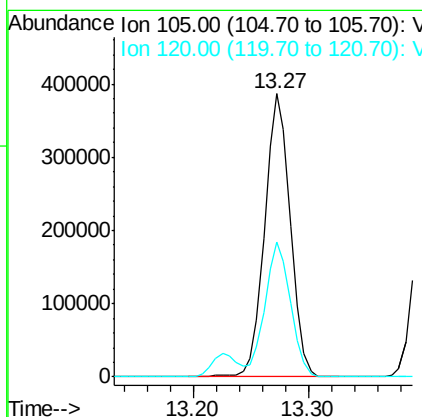
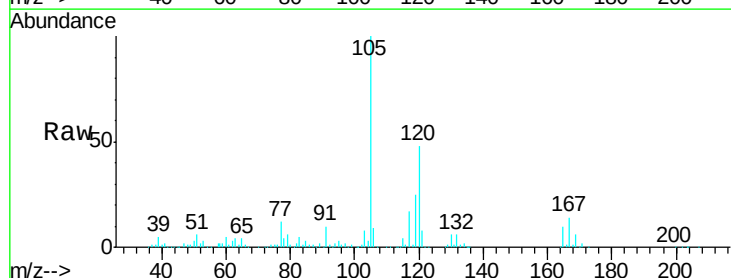
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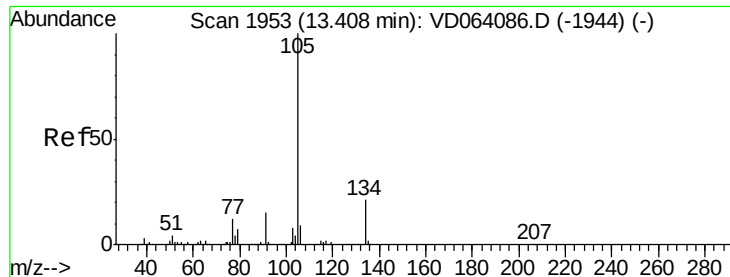
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#84
 1,2,4-Trimethylbenzene
 Concen: 49.823 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	598085		
120	48.0	24.1	72.4	





#85

sec-Butylbenzene

Concen: 49.977 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tgt Ion:105 Resp: 736631

Ion Ratio Lower Upper

105 100

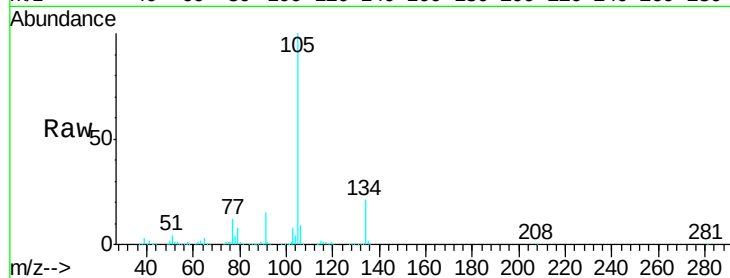
134 20.8 10.4 31.2

Manual Integrations

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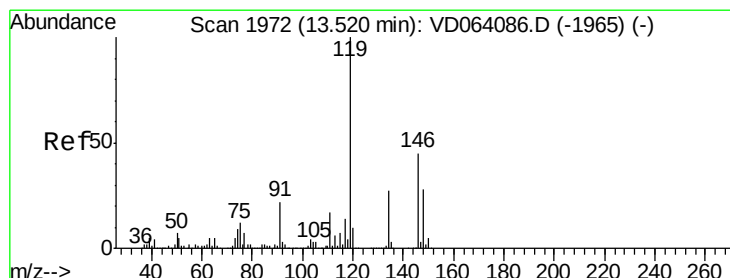
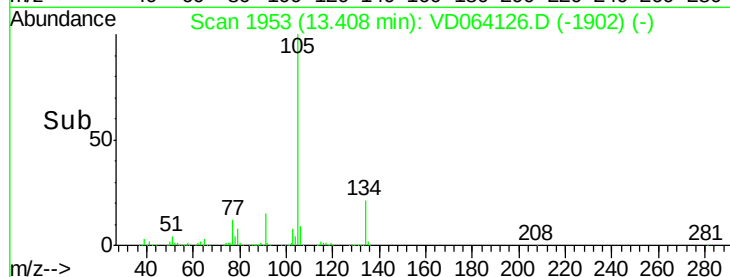
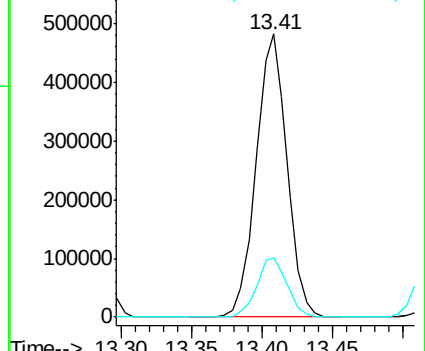
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 50.440 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064126.D

Acq: 31 Oct 2019 11:52

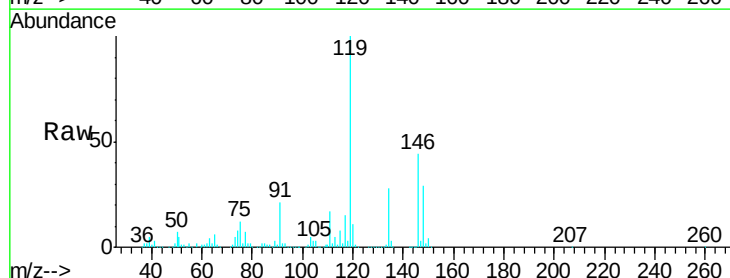
Tgt Ion:119 Resp: 698529

Ion Ratio Lower Upper

119 100

134 27.6 13.6 40.8

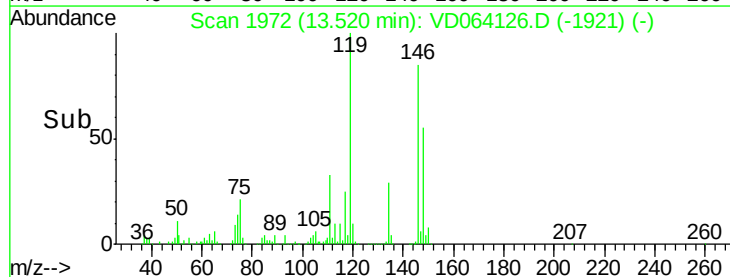
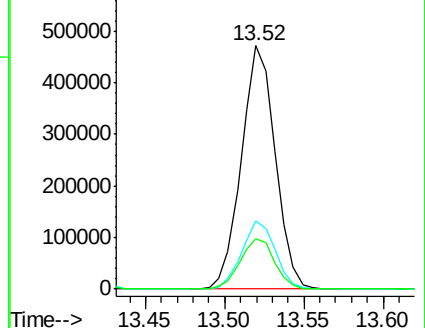
91 21.3 10.9 32.6

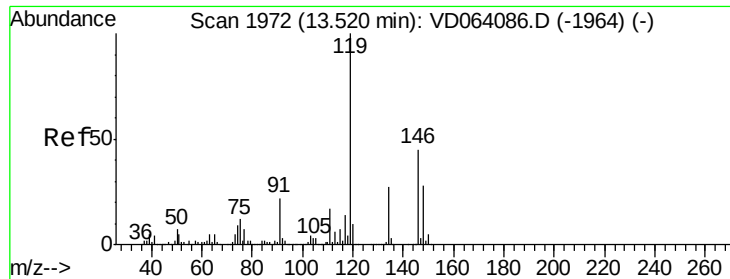


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





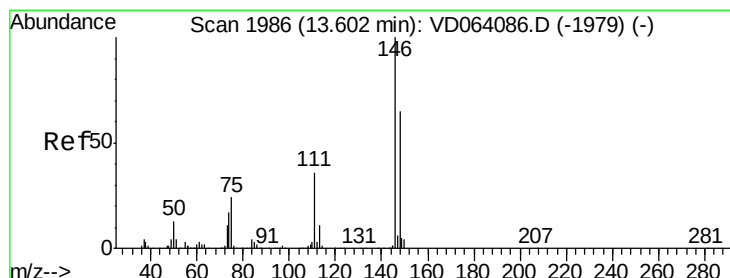
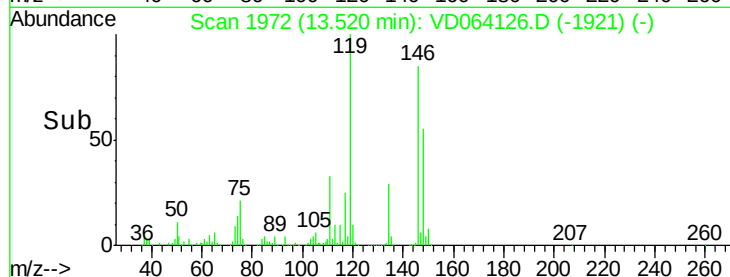
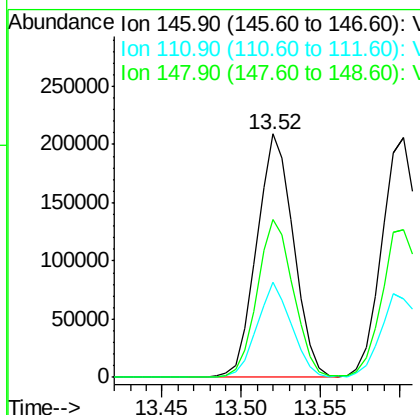
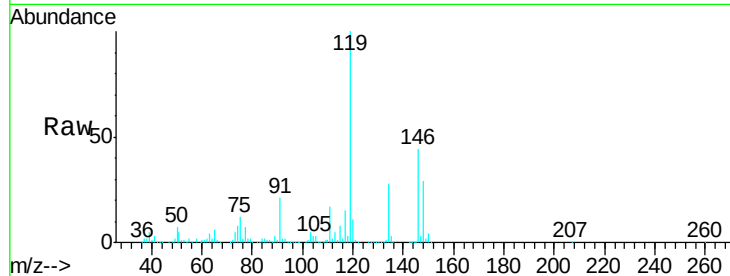
#87
 1,3-Dichlorobenzene
 Concen: 48.897 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.9
148	63.9	32.1	96.3

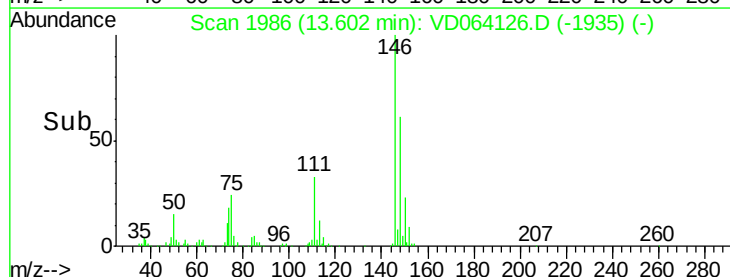
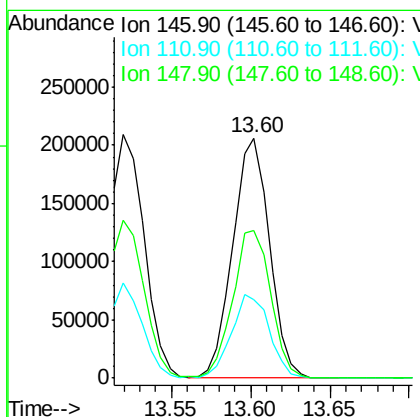
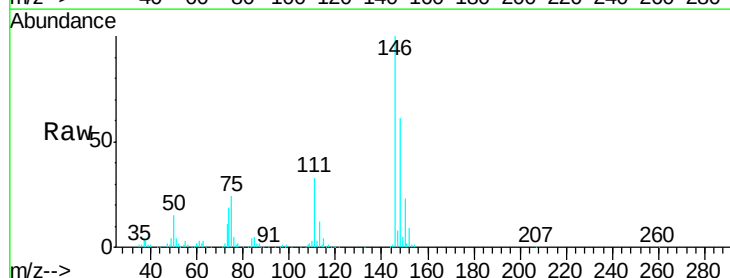
Manual Integrations
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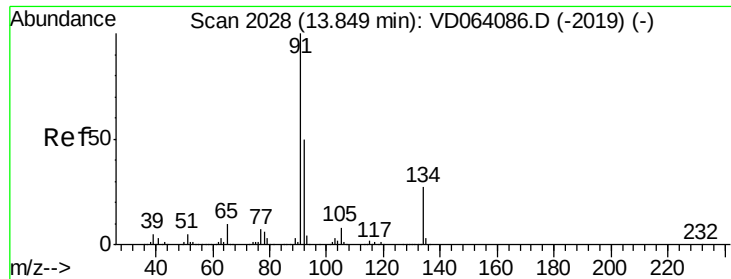
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#88
 1,4-Dichlorobenzene
 Concen: 48.780 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.5	18.4	55.4
148	63.7	32.4	97.0





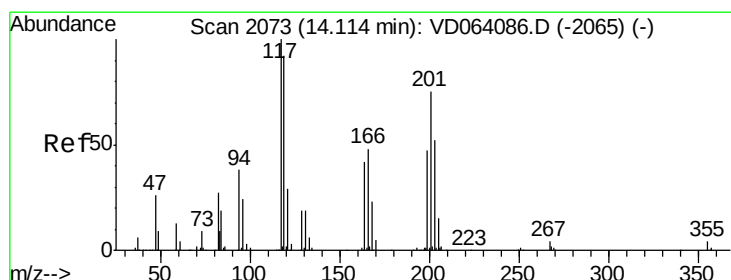
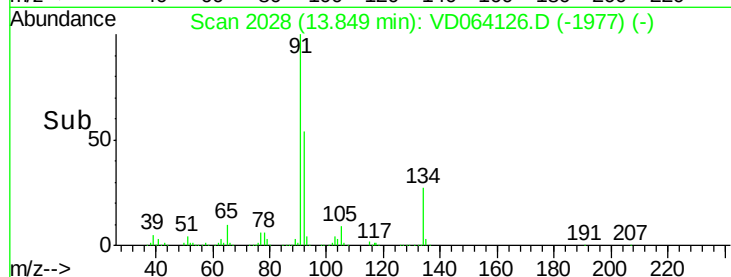
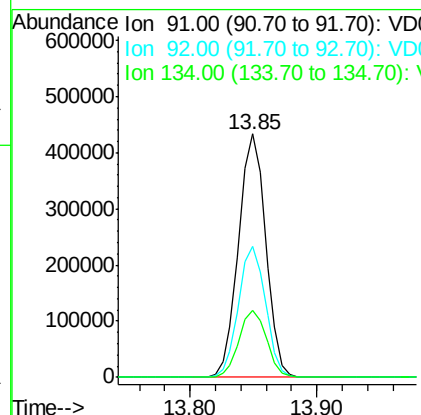
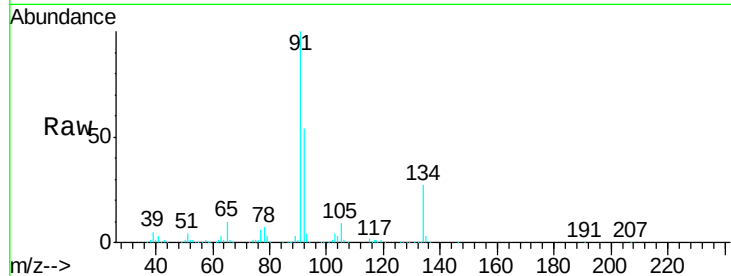
#89
n-Butylbenzene
Concen: 50.232 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	25.6	76.6
134	27.9	14.0	42.0

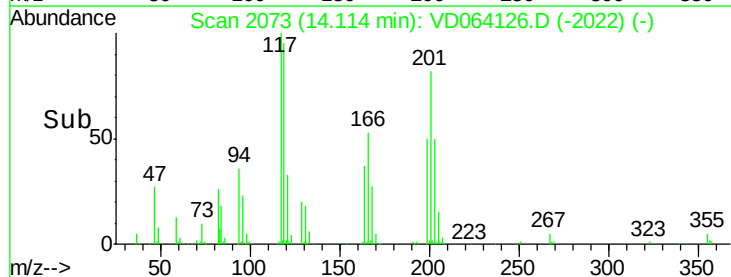
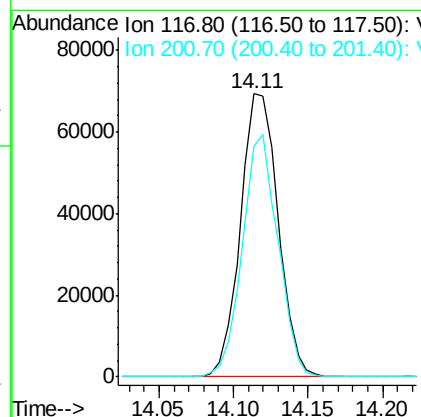
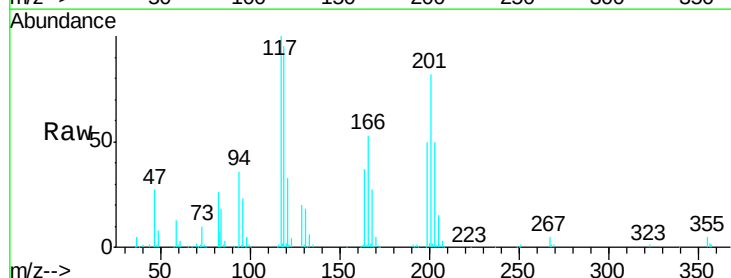
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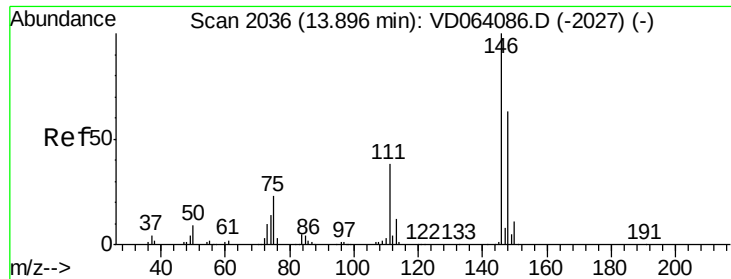
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#90
Hexachloroethane
Concen: 46.954 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	38.4	115.2





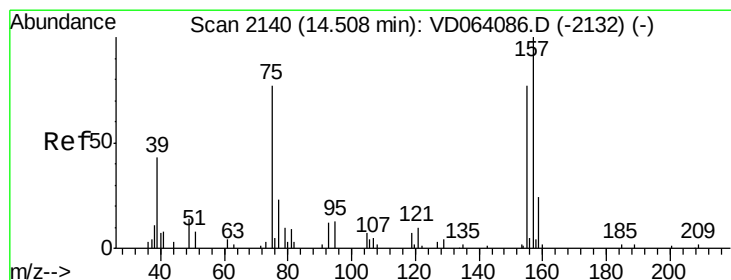
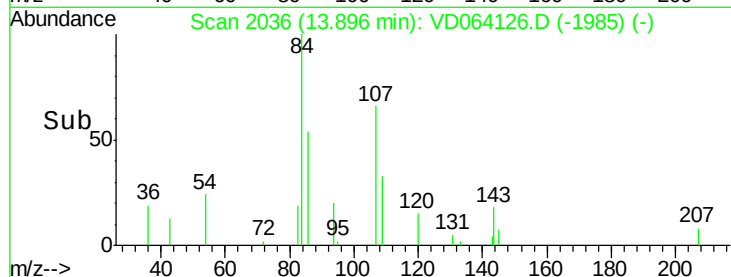
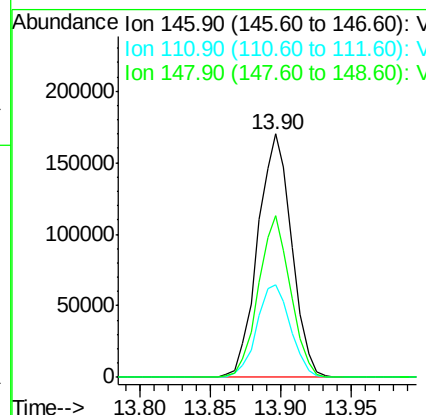
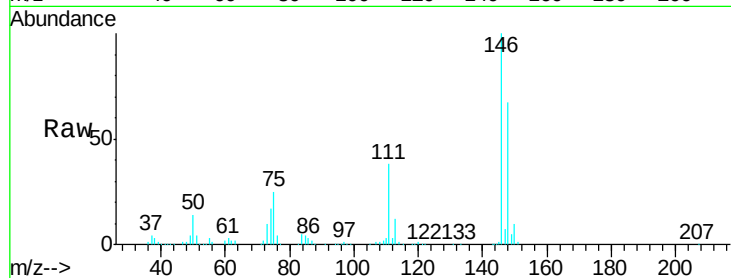
#91
 1,2-Dichlorobenzene
 Concen: 48.228 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	19.1	57.1
148	62.9	32.1	96.5

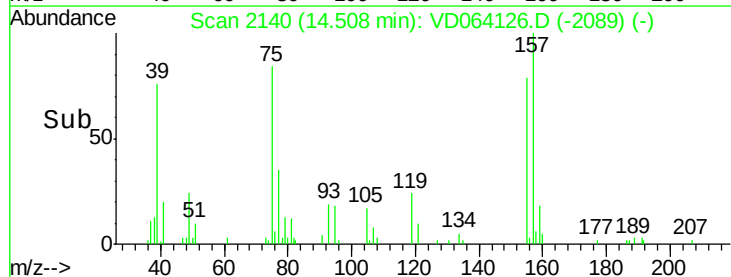
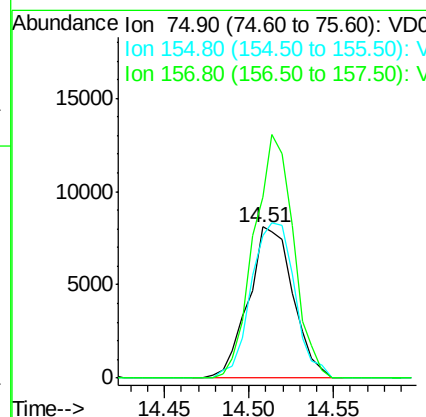
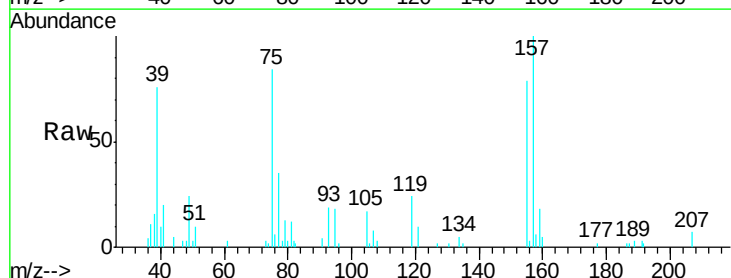
Manual Integrations
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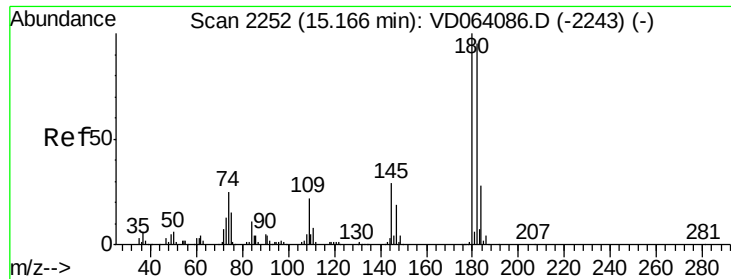
MMDadoda
 11/1/2019 12:06:58 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.150 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.4	56.3	168.9
157	142.8	72.2	216.6





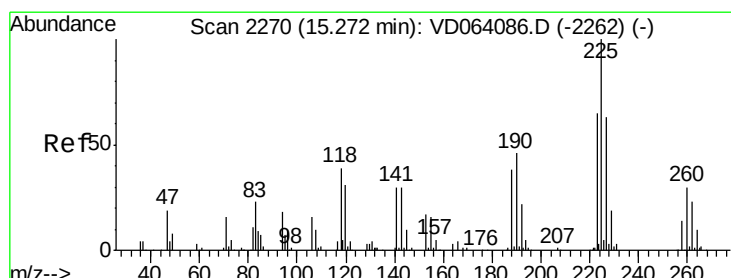
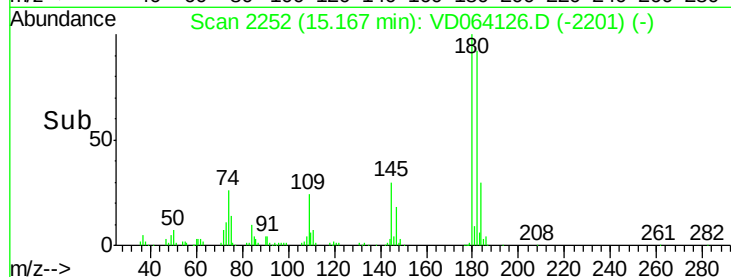
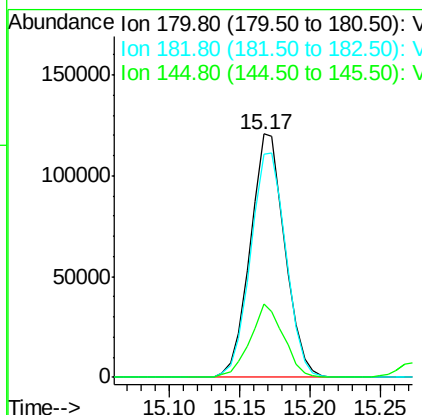
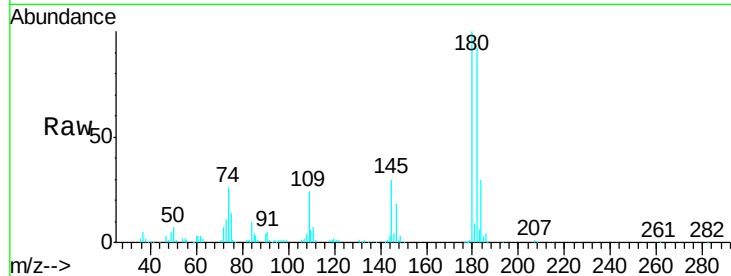
#93
 1,2,4-Trichlorobenzene
 Concen: 48.783 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	208484		
182	94.2	46.9	140.7	
145	29.1	14.2	42.6	

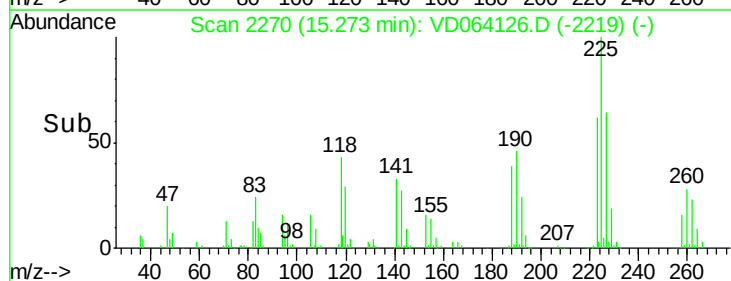
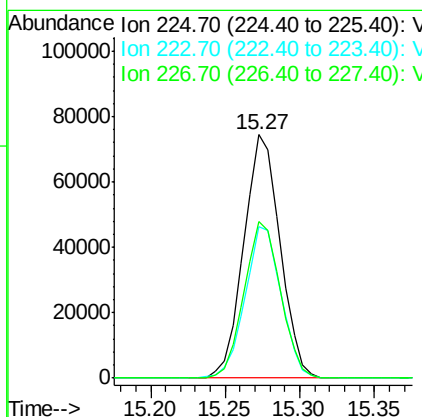
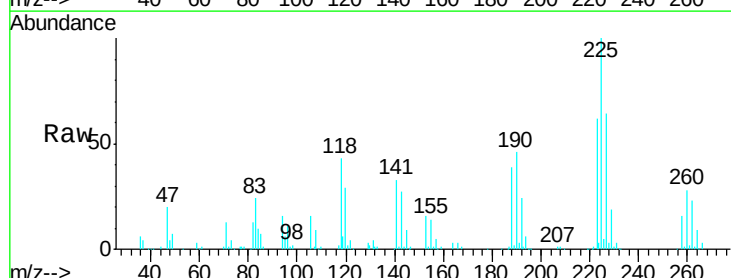
Manual Integrations
 APPROVED

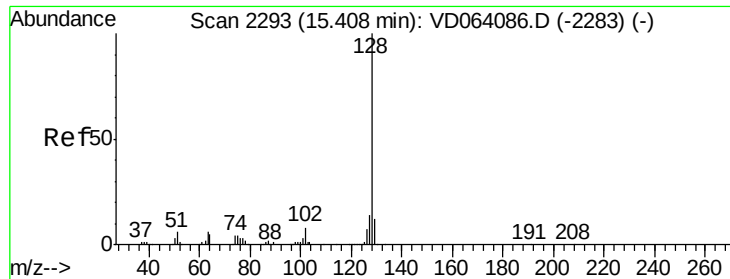
MMDadoda
 11/1/2019 12:06:58 PM



#94
 Hexachlorobutadiene
 Concen: 50.237 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD064126.D
 Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	125482		
223	61.4	30.8	92.3	
227	63.9	31.7	95.1	





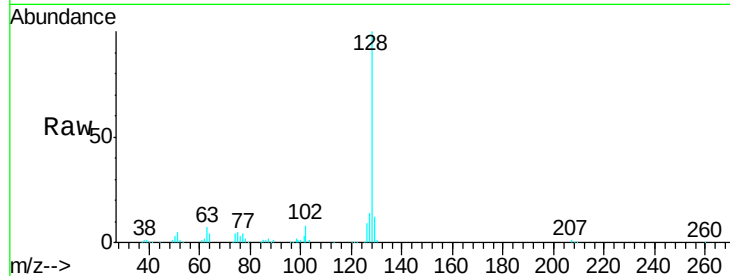
#95
Naphthalene
Concen: 48.447 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

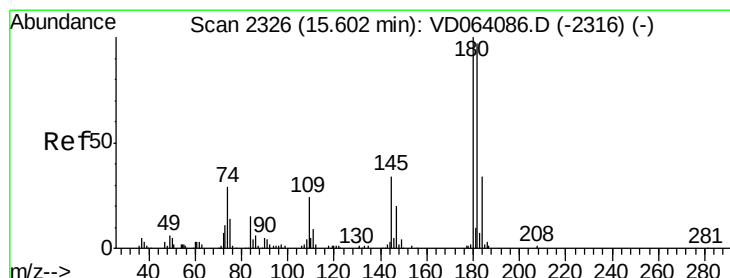
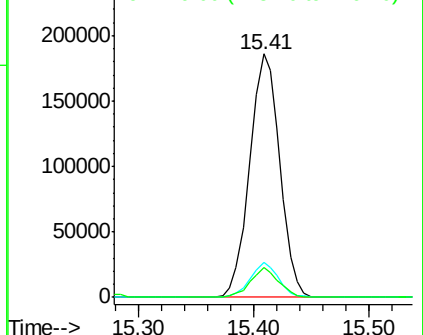
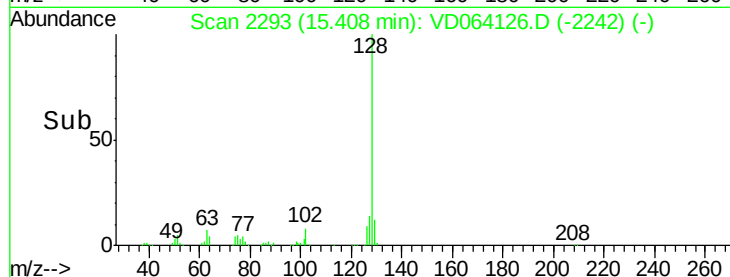
Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.9	16.3
129	11.3	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
11/1/2019 12:06:58 PM

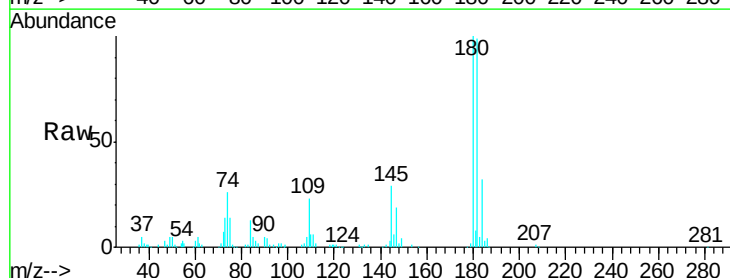


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 47.683 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064126.D
Acq: 31 Oct 2019 11:52

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	48.4	145.0
145	30.2	16.4	49.4



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

