

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
 Data File : VD064111.D
 Acq On : 30 Oct 2019 13:23
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2019 3:39:20 PM

Quant Time: Oct 31 04:20:05 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	228456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	339145	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	328545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173833	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	95831	52.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.48%	
35) Dibromofluoromethane	7.92	113	105760	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	422900	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	
62) 4-Bromofluorobenzene	12.64	95	141483	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	49229	21.103	ug/l	98
3) Chloromethane	2.21	50	81223	20.868	ug/l	99
4) Vinyl Chloride	2.35	62	88461	20.958	ug/l	99
5) Bromomethane	2.76	94	57642	20.955	ug/l	88
6) Chloroethane	2.92	64	56559	21.574	ug/l	98
7) Trichlorofluoromethane	3.27	101	121605	20.929	ug/l	95
8) Diethyl Ether	3.71	74	20859	20.653	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	42951	20.512	ug/l	99
10) Methyl Iodide	4.29	142	50976	19.650	ug/l	98
11) Tert butyl alcohol	5.25	59	10099m	100.395	ug/l	
12) 1,1-Dichloroethene	4.06	96	42199	21.294	ug/l #	78
13) Acrolein	3.92	56	10666	92.067	ug/l	97
14) Allyl chloride	4.70	41	47382	20.428	ug/l	98
15) Acrylonitrile	5.43	53	39114	104.843	ug/l	96
16) Acetone	4.16	43	34840	100.780	ug/l #	88
17) Carbon Disulfide	4.40	76	126601	20.788	ug/l	96
18) Methyl Acetate	4.73	43	18955	20.613	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	80601	20.043	ug/l	100
20) Methylene Chloride	4.96	84	50511	20.463	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	48131	21.636	ug/l #	90
22) Diisopropyl ether	6.37	45	100531	19.570	ug/l	95
23) Vinyl Acetate	6.31	43	293756	104.324	ug/l	95
24) 1,1-Dichloroethane	6.26	63	66937	19.296	ug/l	96
25) 2-Butanone	7.23	43	49064	102.661	ug/l #	86
26) 2,2-Dichloropropane	7.20	77	62179	18.886	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	48181	19.355	ug/l	97
28) Bromochloromethane	7.55	49	18290	15.168	ug/l	89
29) Tetrahydrofuran	7.57	42	29371	105.301	ug/l	95
30) Chloroform	7.71	83	80475	20.274	ug/l	88
31) Cyclohexane	7.98	56	65776	19.463	ug/l #	90
32) 1,1,1-Trichloroethane	7.90	97	77518	20.979	ug/l	96
36) 1,1-Dichloropropene	8.11	75	62051	19.526	ug/l	99
37) Ethyl Acetate	7.30	43	20971	21.439	ug/l #	95
38) Carbon Tetrachloride	8.10	117	71419	20.598	ug/l	97

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MMDadoda
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Quant Time: Oct 31 04:20:05 2019
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 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)
39) Methylcyclohexane	9.36	83	80020	20.512	ug/l	95
40) Benzene	8.36	78	171188	19.754	ug/l	97
41) Methacrylonitrile	7.53	41	11897	21.076	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	44702	19.528	ug/l	98
43) Isopropyl Acetate	8.46	43	39949	20.209	ug/l	98
44) Trichloroethene	9.11	130	51982	19.791	ug/l	97
45) 1,2-Dichloropropane	9.39	63	39128	19.483	ug/l #	83
46) Dibromomethane	9.48	93	23961	19.810	ug/l	98
47) Bromodichloromethane	9.67	83	60938	19.970	ug/l #	96
48) Methyl methacrylate	9.46	41	20115	22.004	ug/l	91
49) 1,4-Dioxane	9.47	88	6130	442.745	ug/l #	85
51) 4-Methyl-2-Pentanone	10.24	43	109429	101.683	ug/l	100
52) Toluene	10.41	92	119470	19.672	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	58507	20.540	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	64333	19.197	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	34997	20.408	ug/l	95
56) Ethyl methacrylate	10.67	69	37407	19.882	ug/l	99
57) 1,3-Dichloropropane	10.96	76	53983	19.034	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	73458	97.773	ug/l	98
59) 2-Hexanone	10.99	43	77330	97.375	ug/l	100
60) Dibromochloromethane	11.14	129	45254	19.442	ug/l	98
61) 1,2-Dibromoethane	11.25	107	34985	20.397	ug/l	99
64) Tetrachloroethene	10.88	164	49135	20.817	ug/l	93
65) Chlorobenzene	11.67	112	139348	20.527	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	49155	19.351	ug/l	98
67) Ethyl Benzene	11.75	91	241314	19.986	ug/l	97
68) m/p-Xylenes	11.86	106	192003	39.534	ug/l	100
69) o-Xylene	12.18	106	86044	19.413	ug/l	98
70) Styrene	12.20	104	148436	19.418	ug/l	97
71) Bromoform	12.36	173	28365	20.909	ug/l #	94
73) Isopropylbenzene	12.48	105	236871	19.609	ug/l	95
74) N-amyl acetate	12.30	43	40223	20.043	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	38274	20.102	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	22945m	19.644	ug/l	
77) Bromobenzene	12.77	156	58411	20.027	ug/l	98
78) n-propylbenzene	12.83	91	285866	20.194	ug/l	99
79) 2-Chlorotoluene	12.91	91	154991	20.425	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	200669	19.849	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	11907	20.818	ug/l	93
82) 4-Chlorotoluene	13.01	91	163985	20.224	ug/l	99
83) tert-Butylbenzene	13.23	119	180237	19.849	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	205358	20.221	ug/l	99
85) sec-Butylbenzene	13.41	105	248666	19.941	ug/l	98
86) p-Isopropyltoluene	13.52	119	233706	19.947	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	114357	19.566	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	118439	20.557	ug/l	99
89) n-Butylbenzene	13.85	91	221772	20.522	ug/l	99
90) Hexachloroethane	14.11	117	42109	19.197	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	99357	19.753	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	6383	22.954	ug/l	78

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Instrument :
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ClientSampleId :
VD1030SBSD01

Manual Integrations
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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)
93) 1,2,4-Trichlorobenzene	15.17	180	72584	20.075	ug/l	95
94) Hexachlorobutadiene	15.28	225	44607	21.109	ug/l	99
95) Naphthalene	15.41	128	127311	21.590	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	64435	20.574	ug/l	99

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

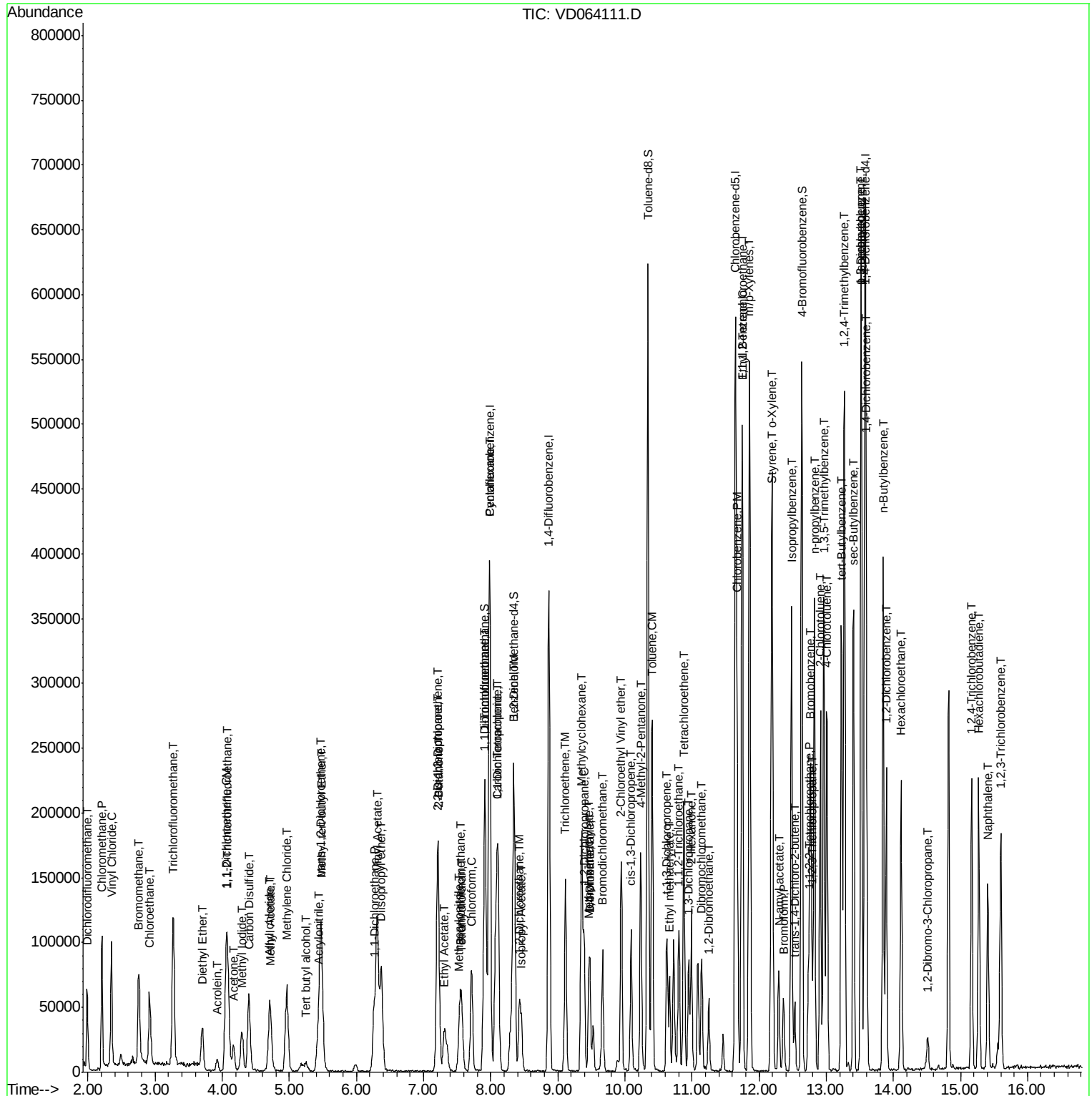
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD103019\
Data File : VD064111.D
Acq On : 30 Oct 2019 13:23
Operator : VA/SY
Sample : VD1030SBS01
Misc : 5.00G/5.00ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

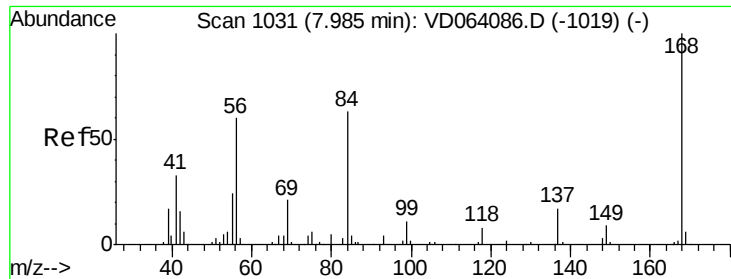
Instrument :
MSVOA_D
Client Sampled :
VD1030SBS01

Manual Integrations
APPROVED

MMDadoda
10/31/2019 3:39:20 PM

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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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBSD01

Tgt Ion: 168 Resp: 228456

Ion Ratio Lower Upper

168 100

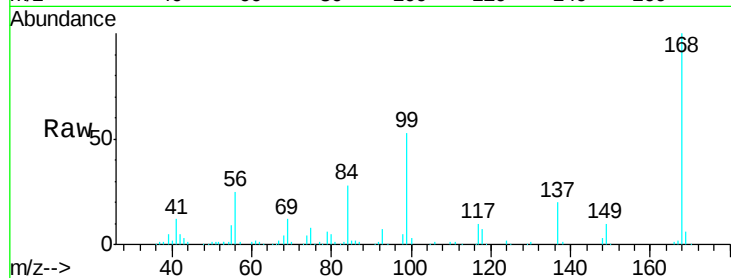
99 52.4 37.6 56.4

Manual Integrations

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10/31/2019 3:39:20 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

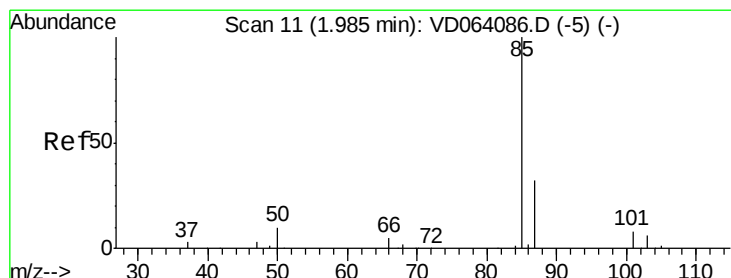
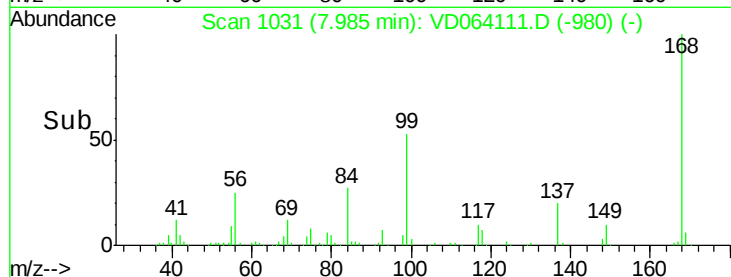
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 21.103 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD064111.D

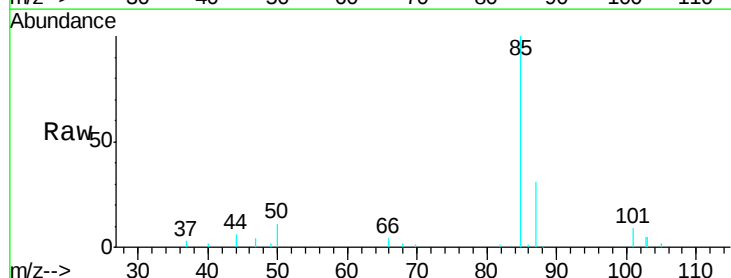
Acq: 30 Oct 2019 13:23

Tgt Ion: 85 Resp: 49229

Ion Ratio Lower Upper

85 100

87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

40000

30000

20000

10000

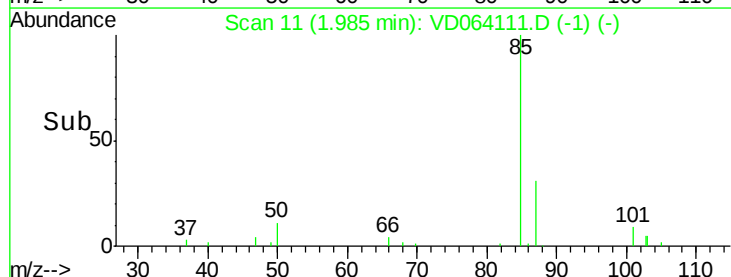
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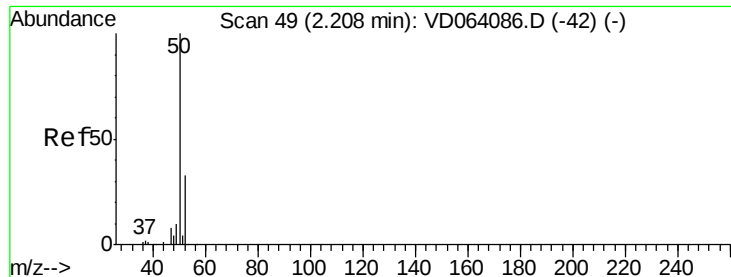
1.95

2.00

2.05

Time-->





#3

Chloromethane

Concen: 20.868 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 50 Resp: 81223

Ion Ratio Lower Upper

50 100

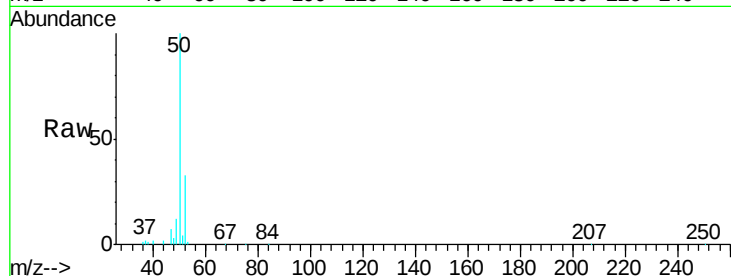
52 32.5 26.5 39.7

Manual Integrations

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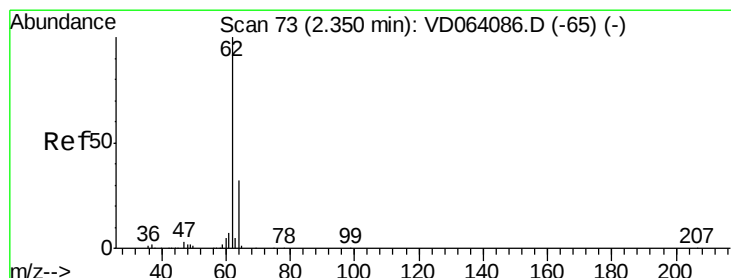
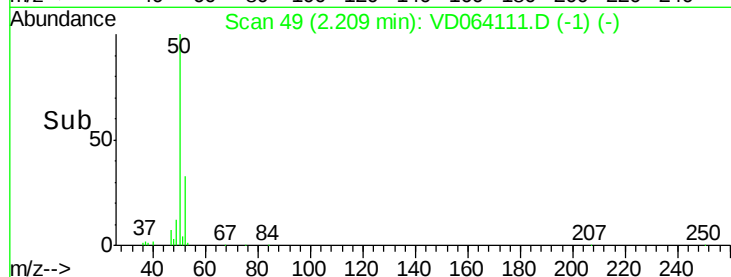
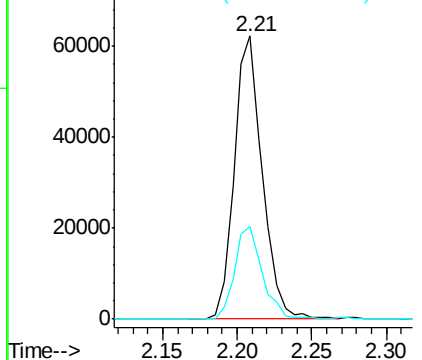
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.958 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064111.D

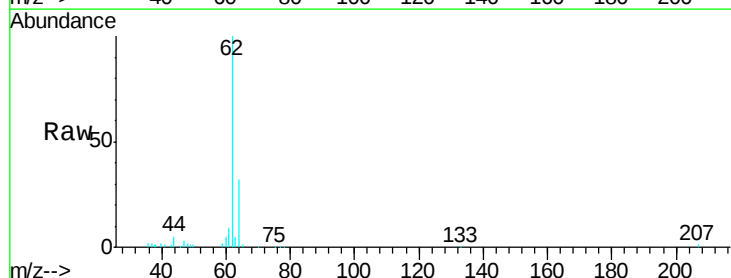
Acq: 30 Oct 2019 13:23

Tgt Ion: 62 Resp: 88461

Ion Ratio Lower Upper

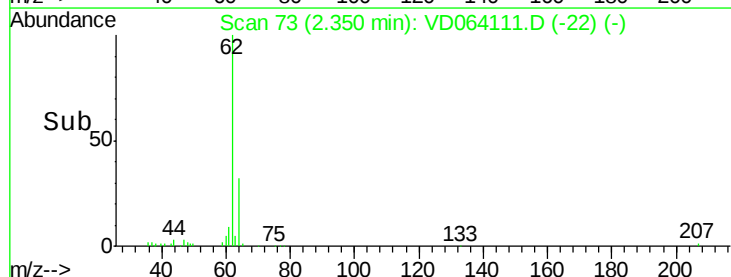
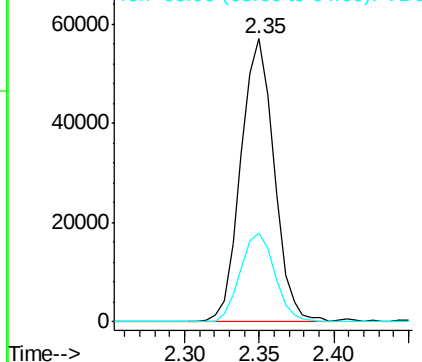
62 100

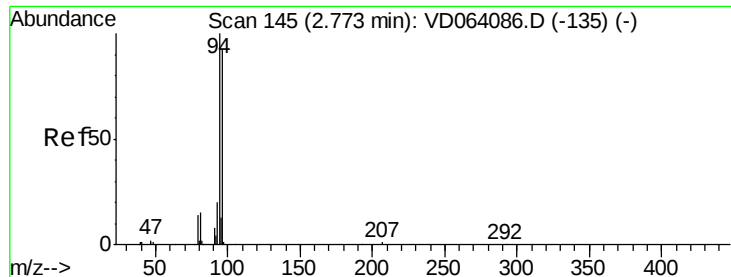
64 31.6 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.955 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 94 Resp: 57642

Ion Ratio Lower Upper

94 100

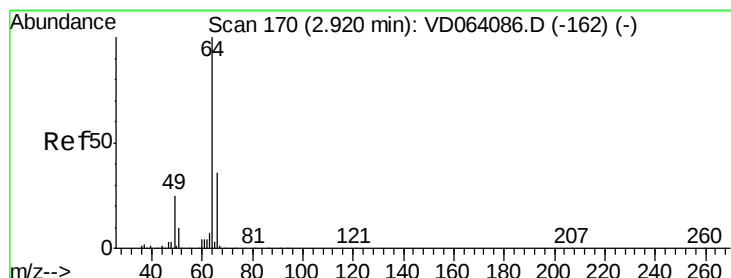
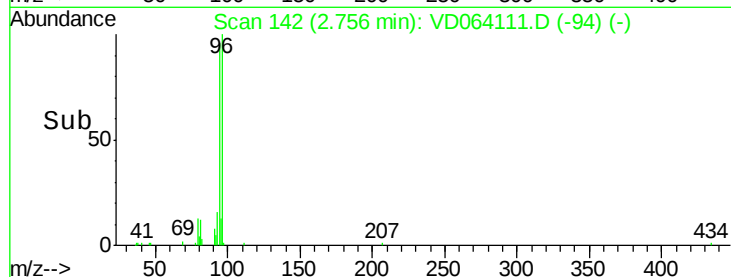
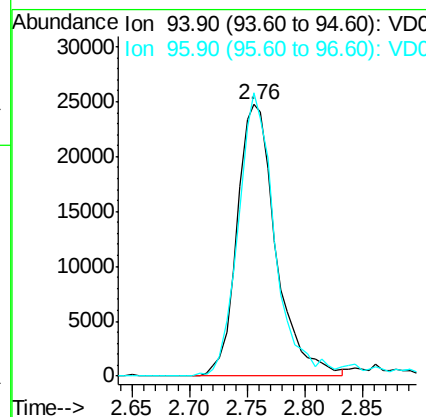
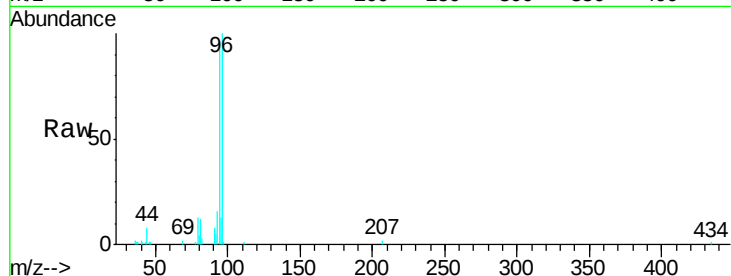
96 104.2 73.9 110.9

Manual Integrations

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#6

Chloroethane

Concen: 21.574 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD064111.D

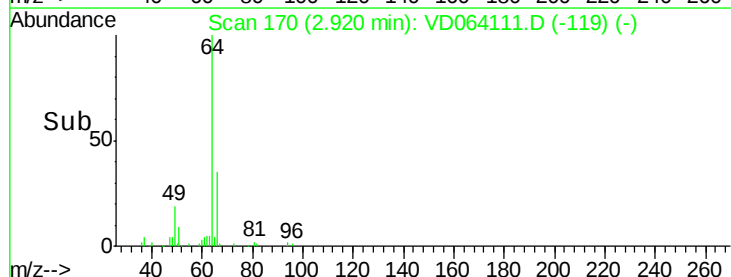
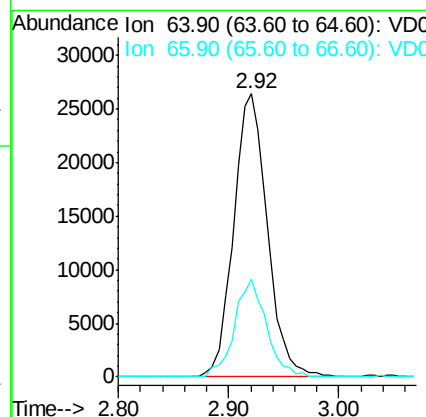
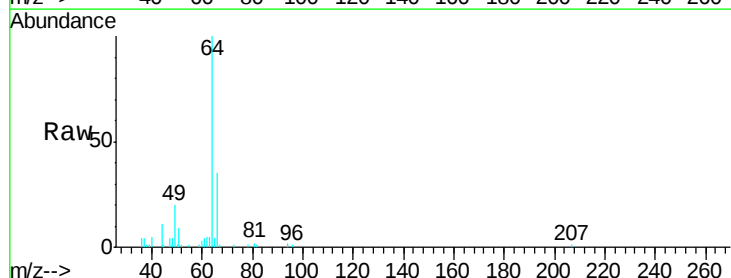
Acq: 30 Oct 2019 13:23

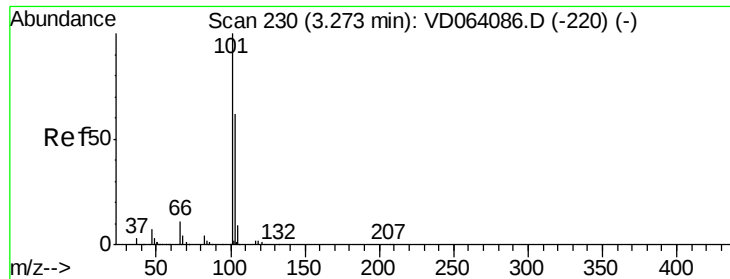
Tgt Ion: 64 Resp: 56559

Ion Ratio Lower Upper

64 100

66 34.7 28.7 43.1





#7

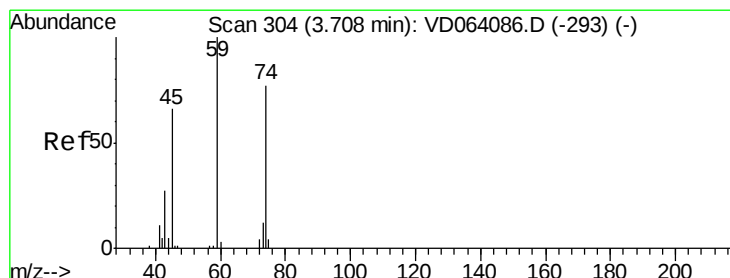
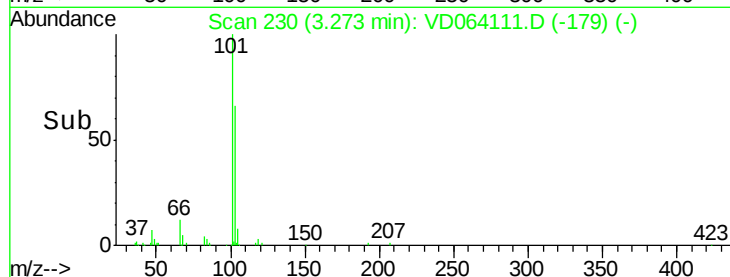
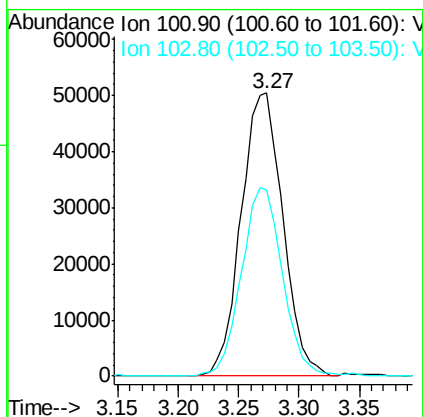
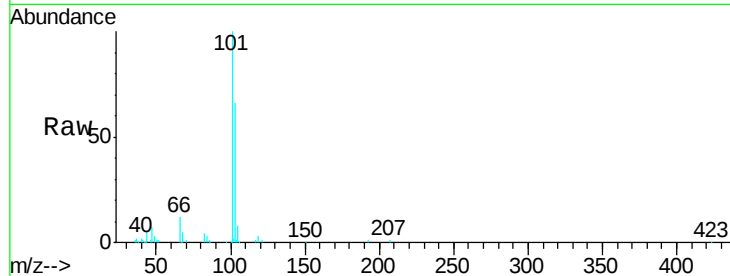
Trichlorofluoromethane
 Concen: 20.929 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	121605		
103	65.7	49.6	74.4	

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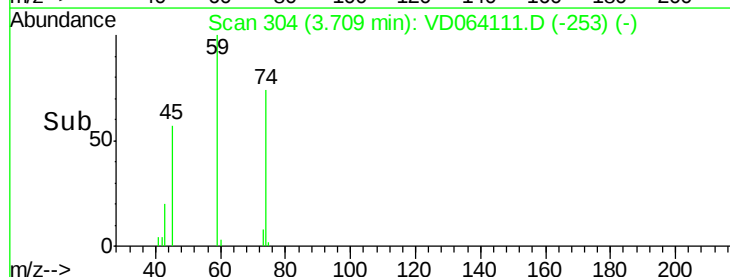
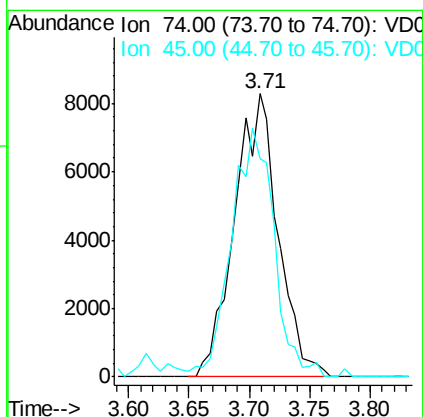
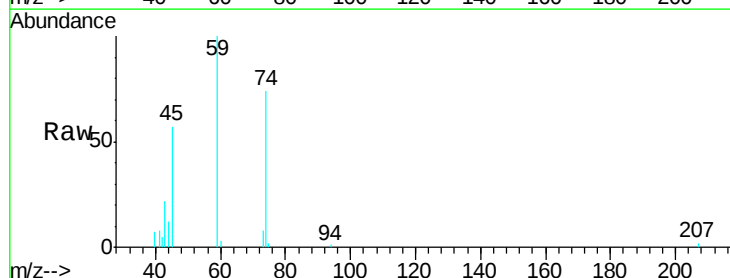
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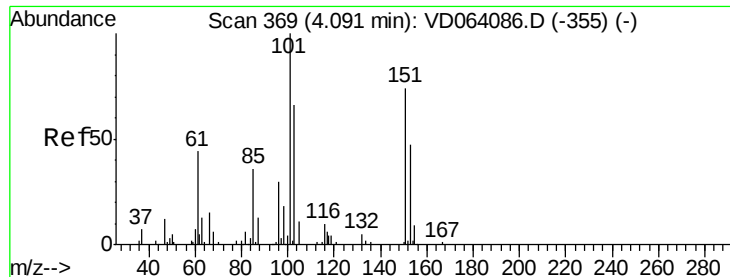


#8

Diethyl Ether
 Concen: 20.653 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	20859		
45	85.4	44.1	132.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.512 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

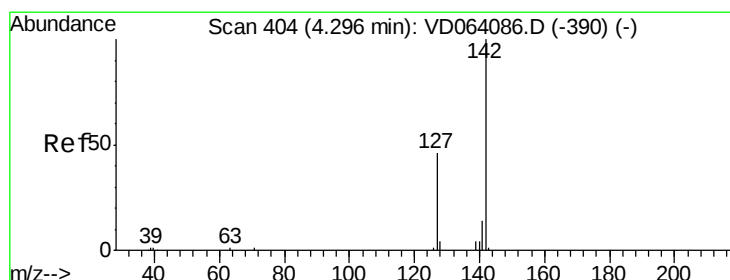
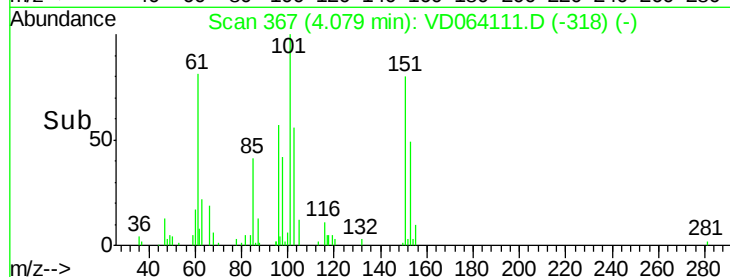
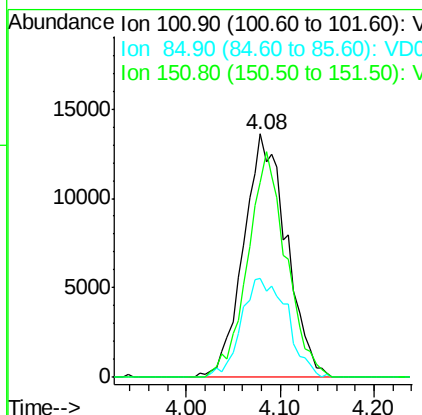
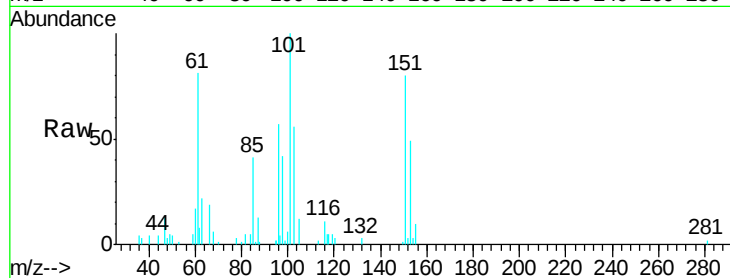
ClientSampleId :

VD1030SBS01

Tgt Ion:	101	Resp:	42951
Ion Ratio	Lower	Upper	
101	100		
85	43.6	35.3	52.9
151	83.4	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 19.650 ug/l

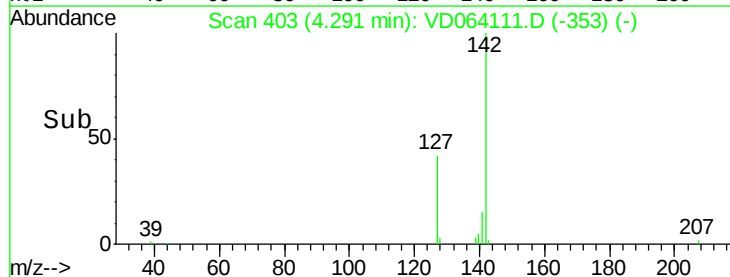
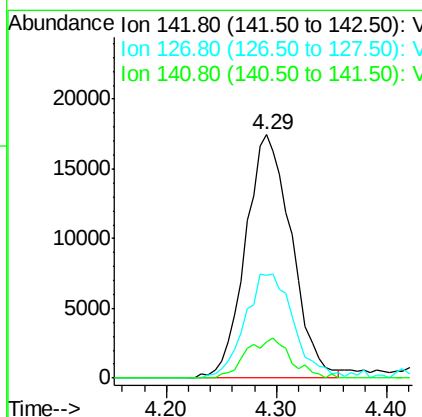
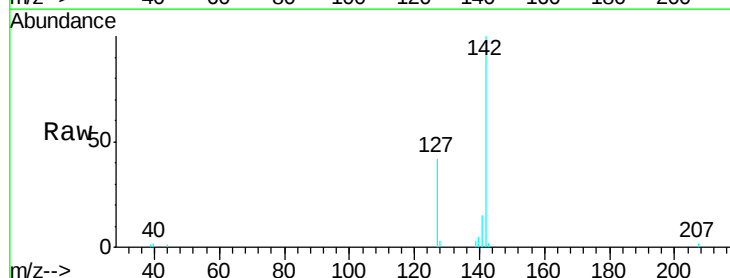
RT: 4.29 min Scan# 403

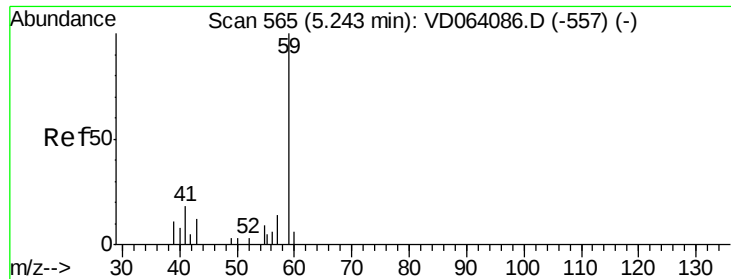
Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion:	142	Resp:	50976
Ion Ratio	Lower	Upper	
142	100		
127	45.2	35.1	52.7
141	15.9	11.6	17.4





#11

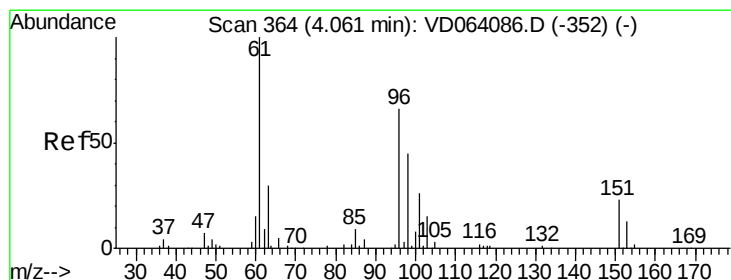
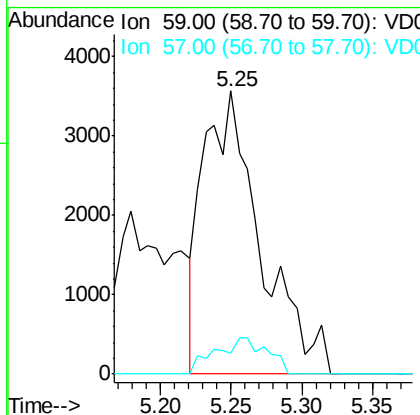
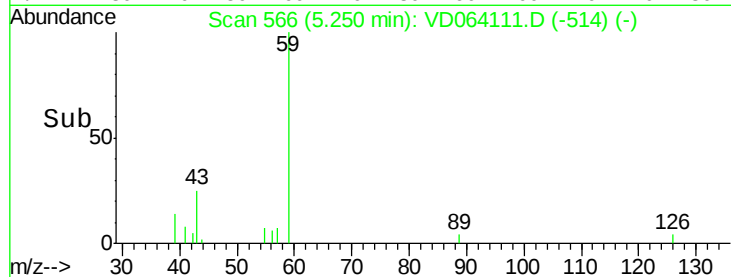
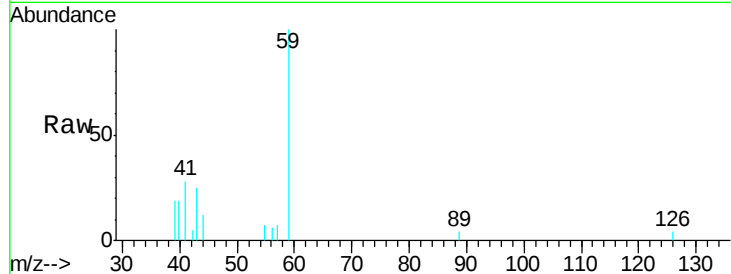
Tert butyl alcohol
Concen: 100.395 ug/l m
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion: 59 Resp: 10099
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

Manual Integrations
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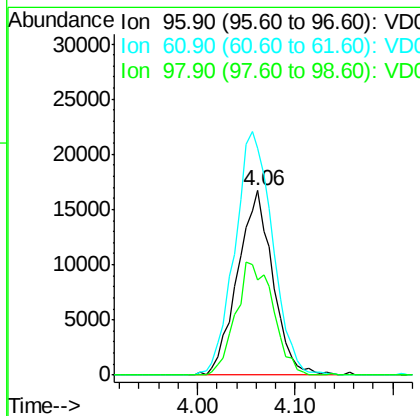
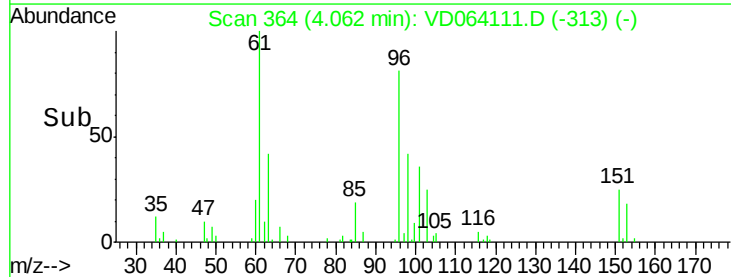
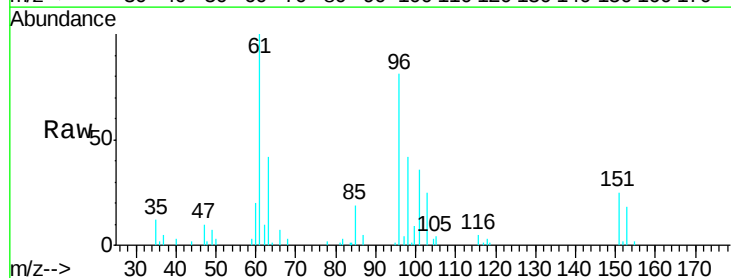
MMDadoda
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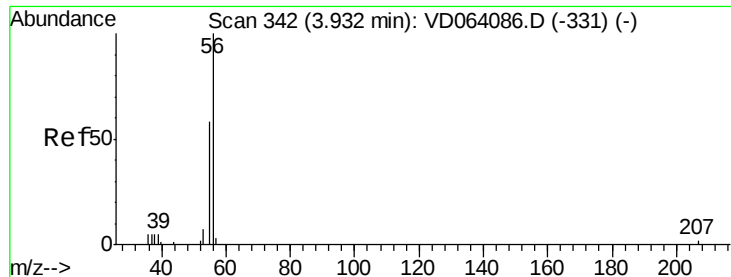


#12

1,1-Dichloroethene
Concen: 21.294 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 96 Resp: 42199
Ion Ratio Lower Upper
96 100
61 123.2 121.8 182.6
98 51.8 55.4 83.0#





#13

Acrolein

Concen: 92.067 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 56 Resp: 10666

Ion Ratio Lower Upper

56 100

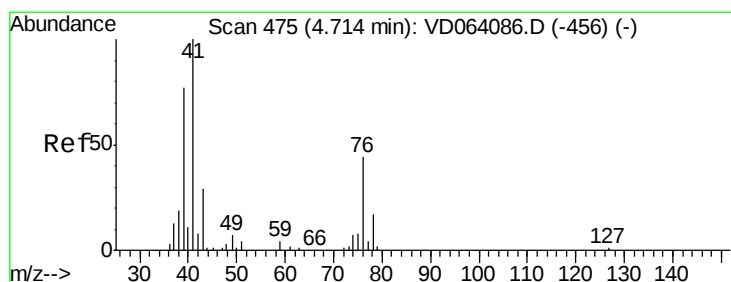
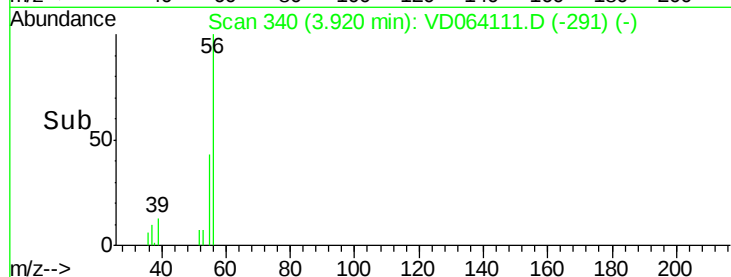
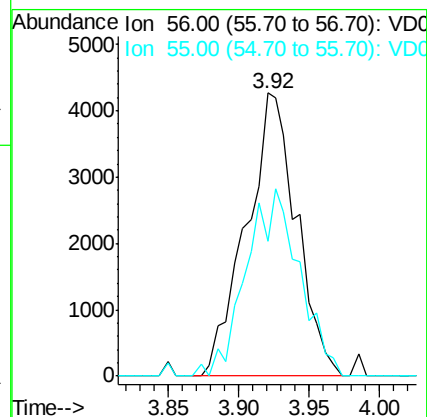
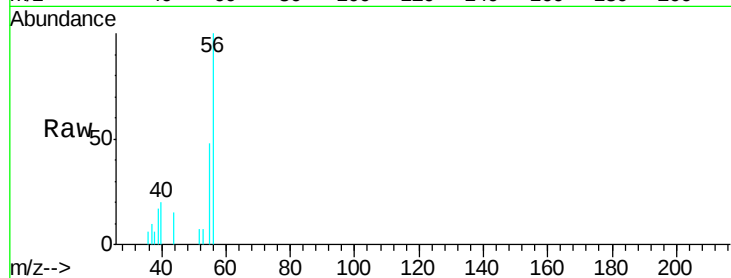
55 69.5 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 20.428 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

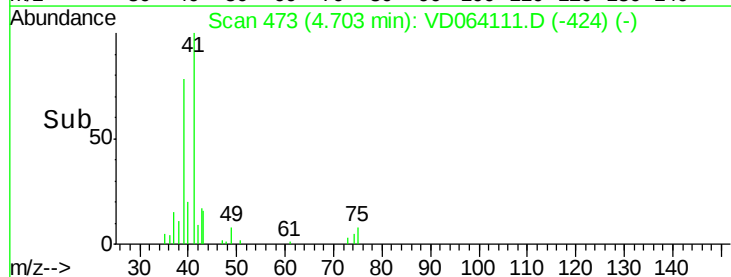
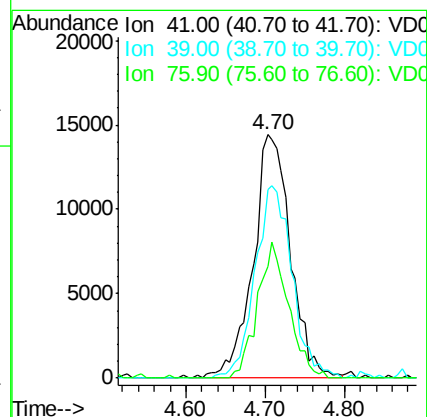
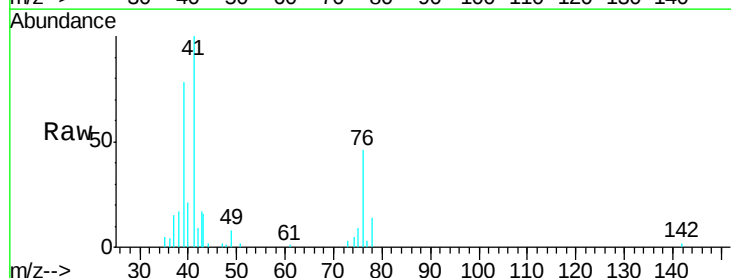
Tgt Ion: 41 Resp: 47382

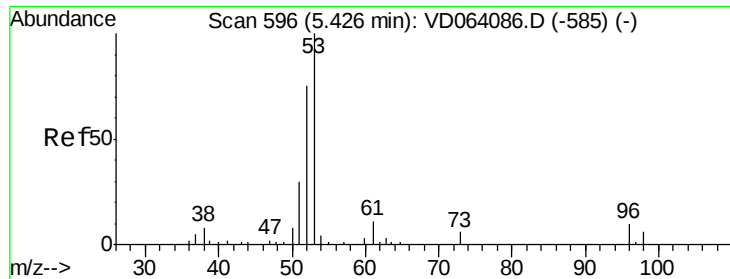
Ion Ratio Lower Upper

41 100

39 78.2 61.5 92.3

76 46.6 36.2 54.4





#15

Acrylonitrile

Concen: 104.843 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

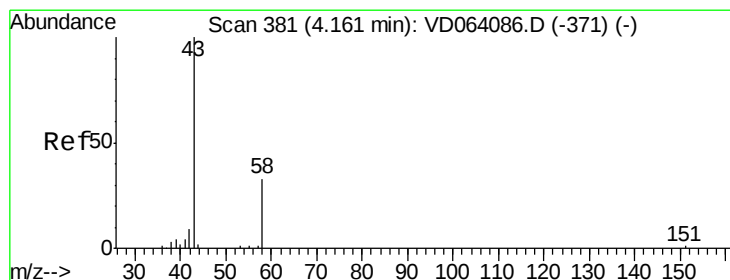
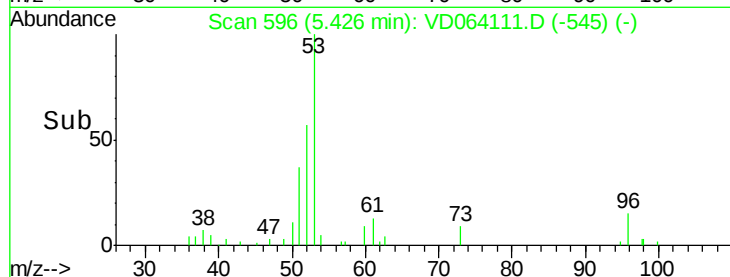
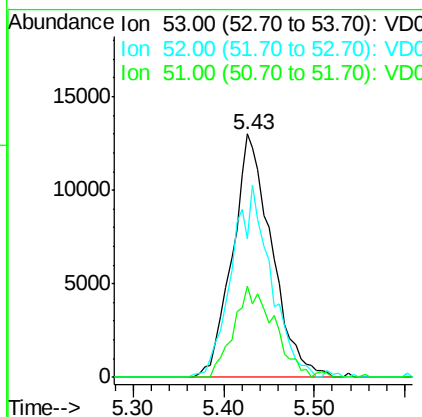
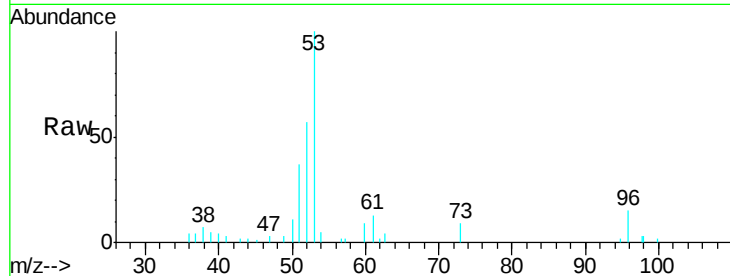
ClientSampleId :

VD1030SBS01

Tgt Ion:	53	Resp:	39114
Ion	Ratio	Lower	Upper
53	100		
52	78.7	66.2	99.4
51	38.1	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 100.780 ug/l

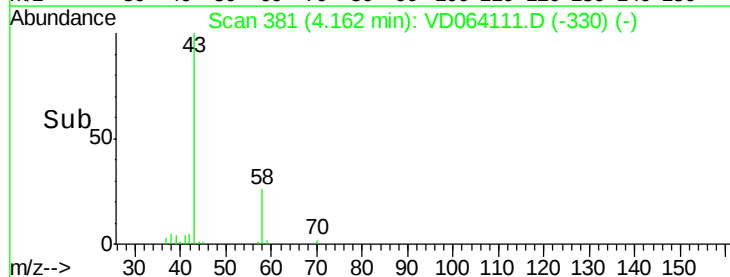
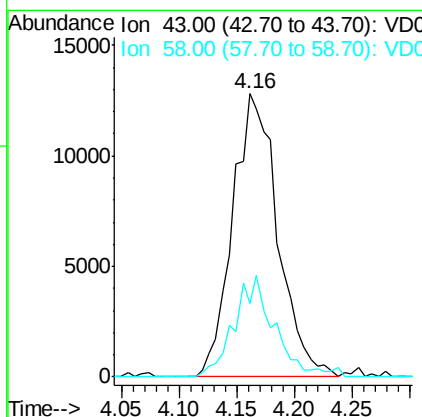
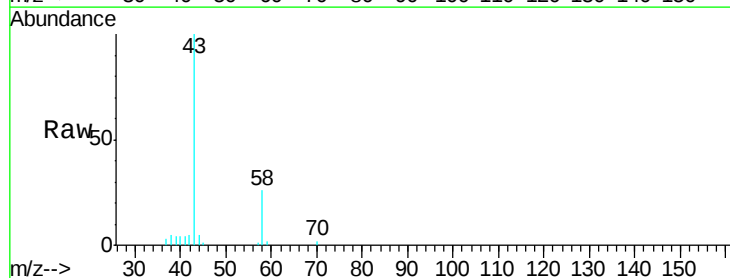
RT: 4.16 min Scan# 381

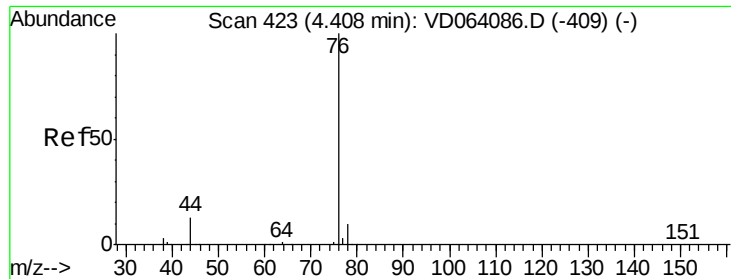
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion:	43	Resp:	34840
Ion	Ratio	Lower	Upper
43	100		
58	26.0	26.3	39.5#





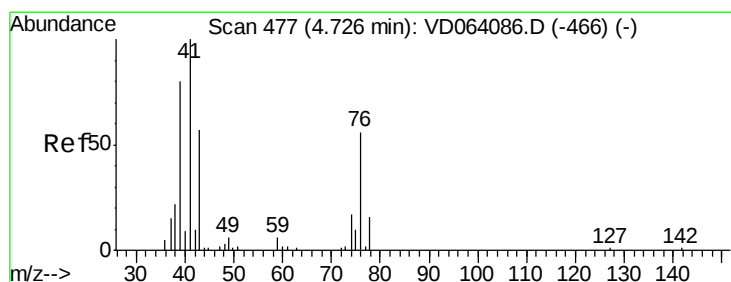
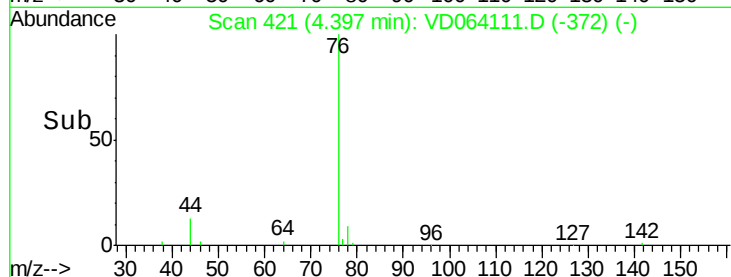
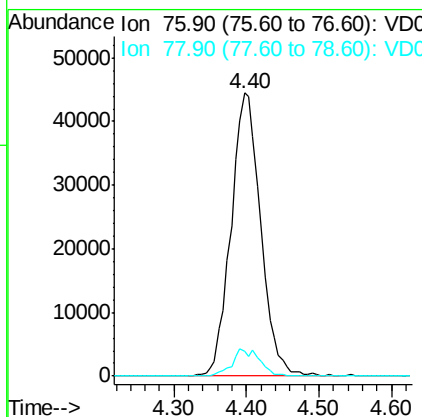
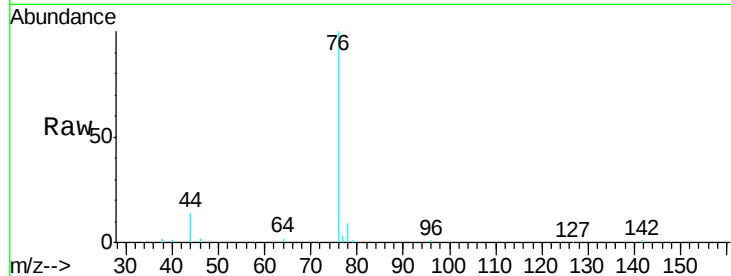
#17
Carbon Disulfide
Concen: 20.788 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion: 76 Resp: 126601
Ion Ratio Lower Upper
76 100
78 8.7 8.1 12.1

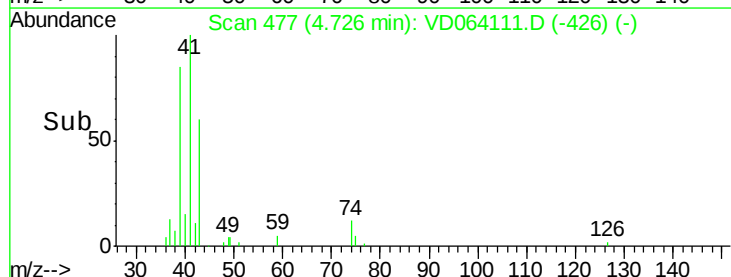
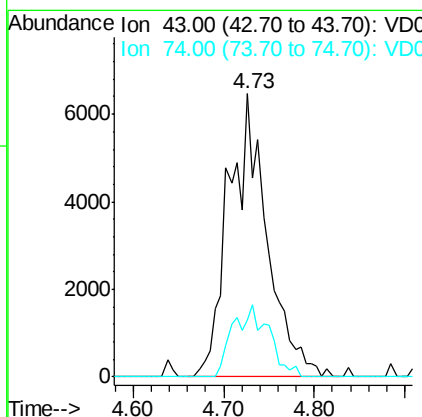
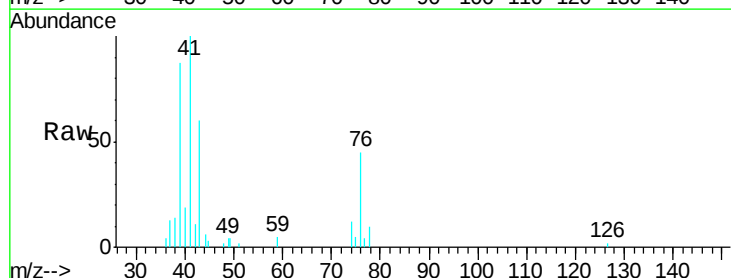
Manual Integrations
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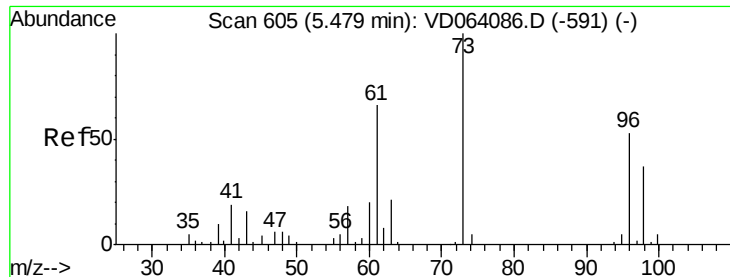
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#18
Methyl Acetate
Concen: 20.613 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 43 Resp: 18955
Ion Ratio Lower Upper
43 100
74 23.7 22.2 33.4





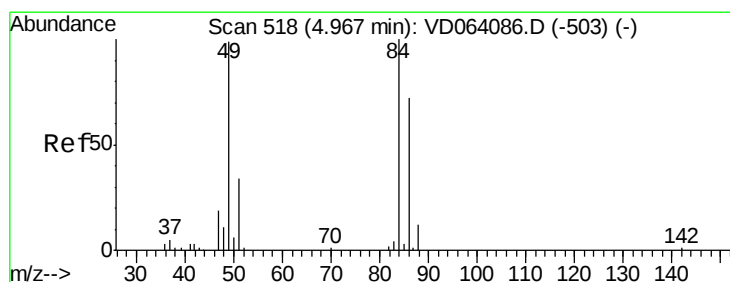
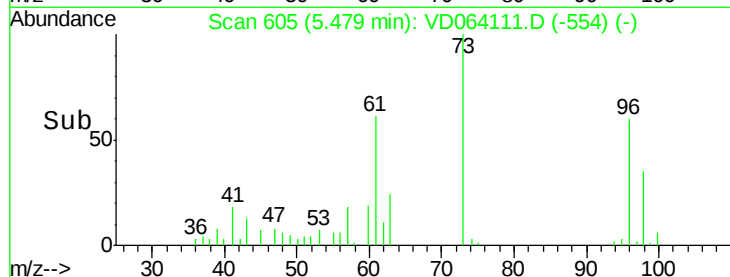
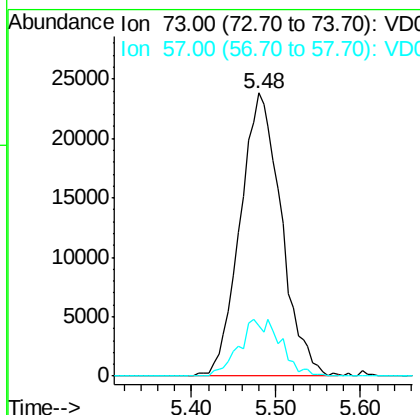
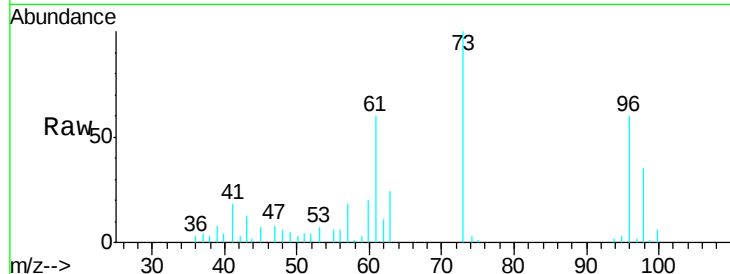
#19
Methyl tert-butyl Ether
Concen: 20.043 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 73 Resp: 80601
Ion Ratio Lower Upper
73 100
57 17.8 14.3 21.5

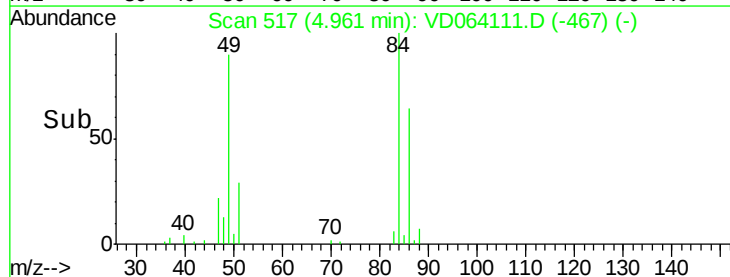
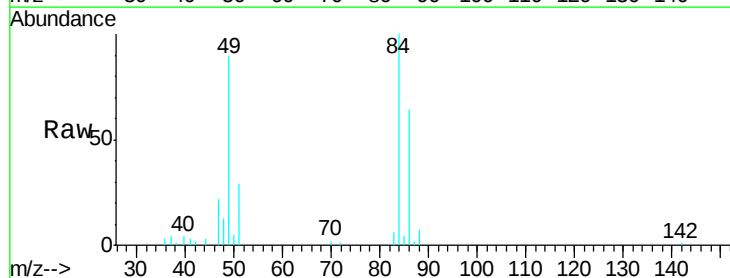
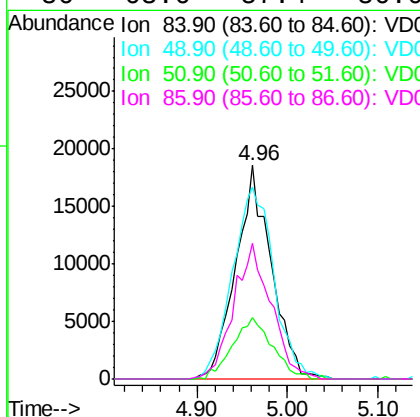
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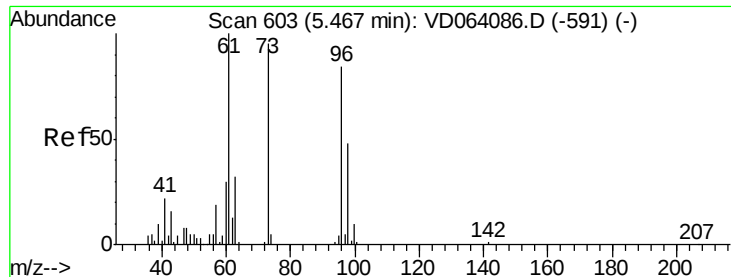
MMDadoda
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#20
Methylene Chloride
Concen: 20.463 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 84 Resp: 50511
Ion Ratio Lower Upper
84 100
49 89.6 79.4 119.0
51 28.7 27.4 41.2
86 63.6 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 21.636 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

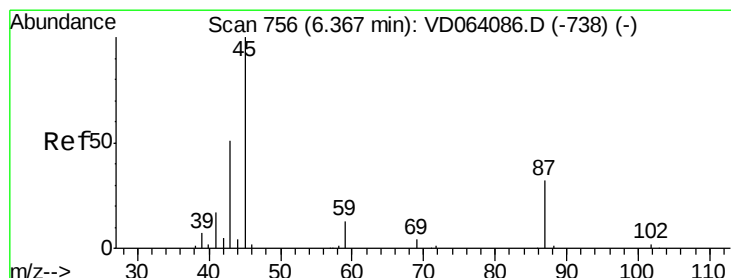
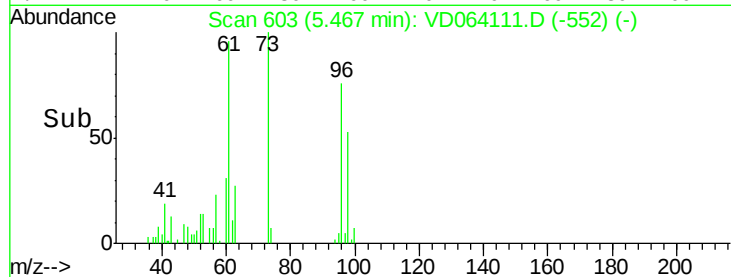
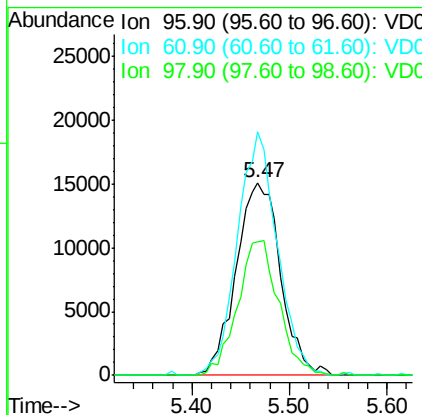
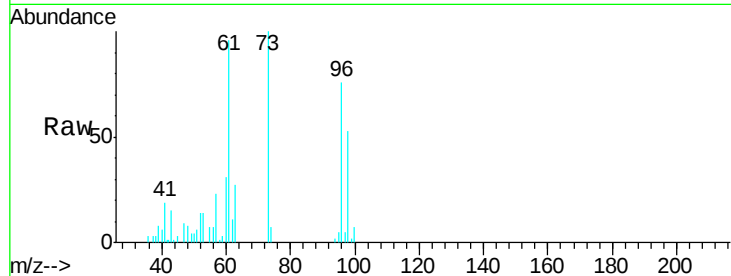
ClientSampleId :

VD1030SBS01

Tgt Ion:	96	Resp:	48131
Ion	Ratio	Lower	Upper
96	100		
61	126.2	95.0	142.6
98	69.1	45.8	68.8#

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.570 ug/l

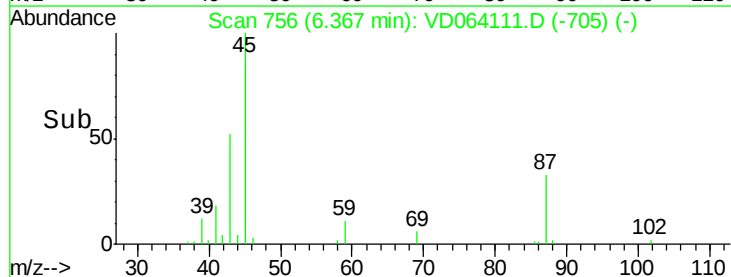
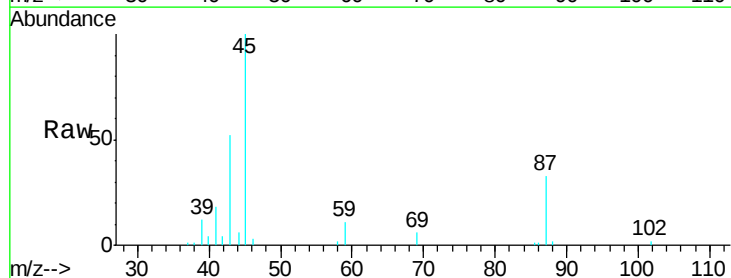
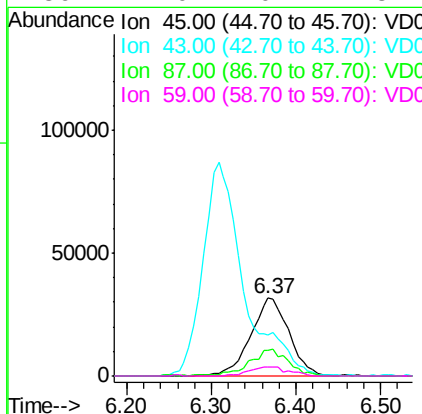
RT: 6.37 min Scan# 756

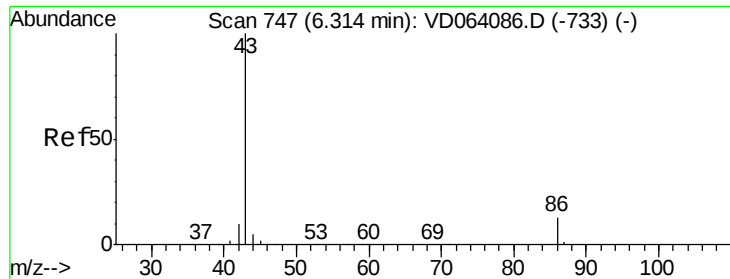
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion:	45	Resp:	100531
Ion	Ratio	Lower	Upper
45	100		
43	50.5	44.3	66.5
87	32.4	26.6	39.8
59	11.0	10.2	15.2





#23

Vinyl Acetate

Concen: 104.324 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 43 Resp: 293756

Ion Ratio Lower Upper

43 100

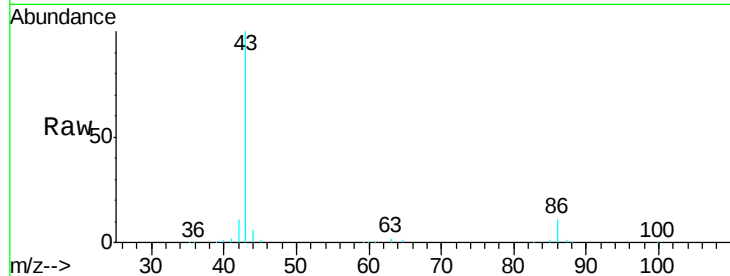
86 11.5 10.7 16.1

Manual Integrations

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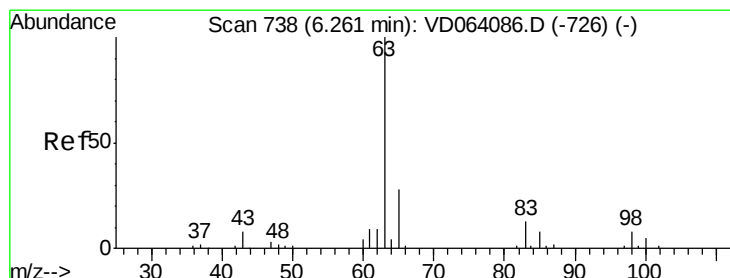
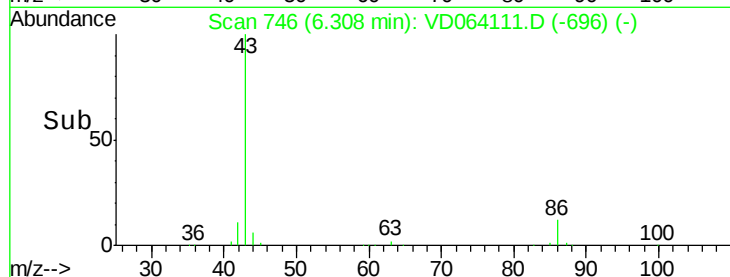
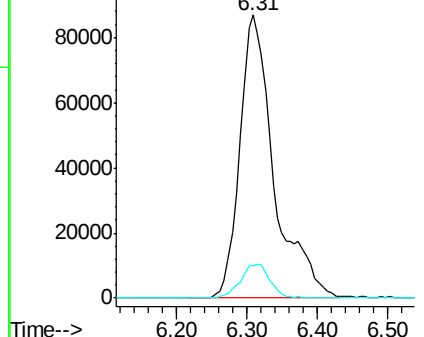
MMDadoda

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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: 19.296 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

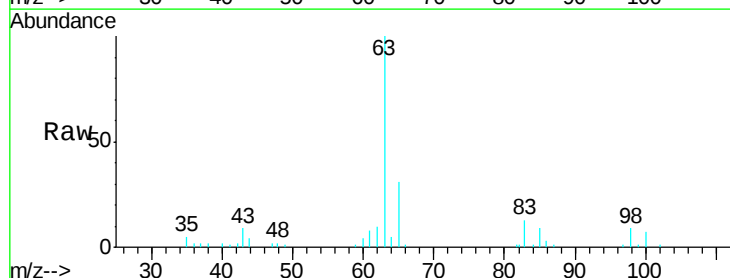
Tgt Ion: 63 Resp: 66937

Ion Ratio Lower Upper

63 100

98 9.4 4.0 11.9

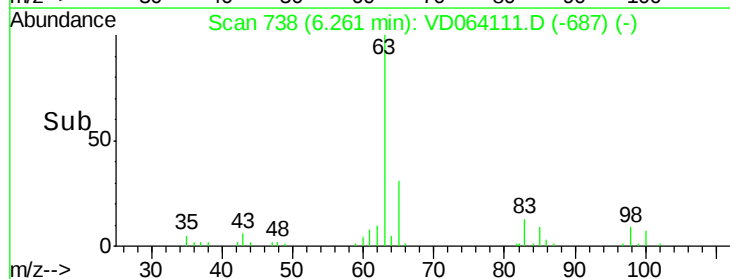
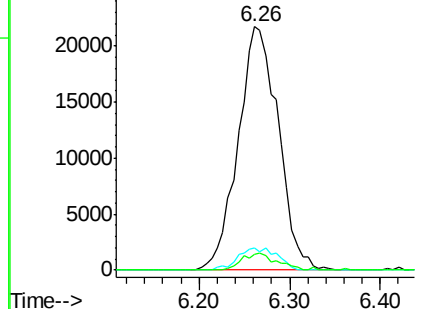
100 6.5 2.6 7.8

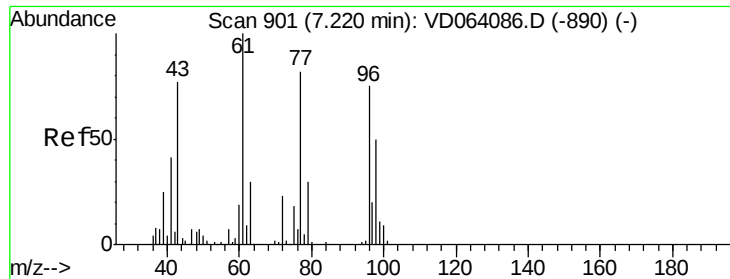


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 102.661 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 43 Resp: 49064

Ion Ratio Lower Upper

43 100

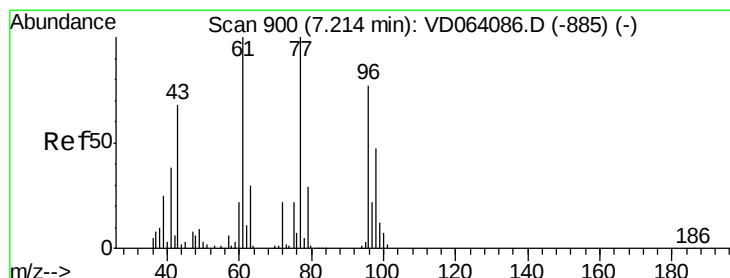
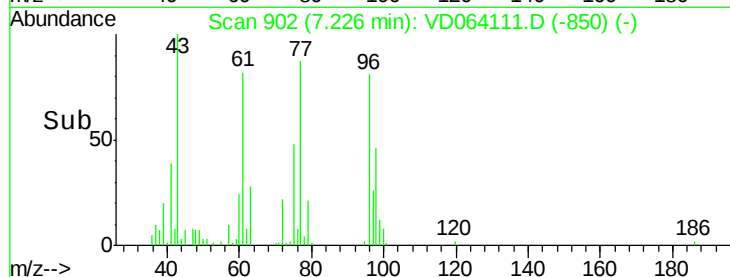
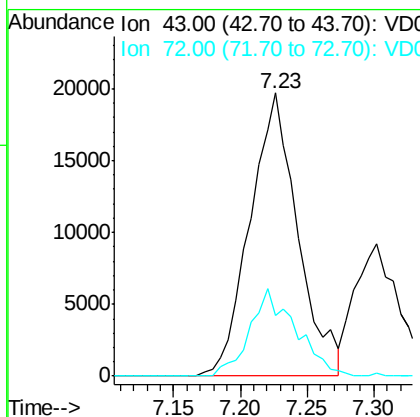
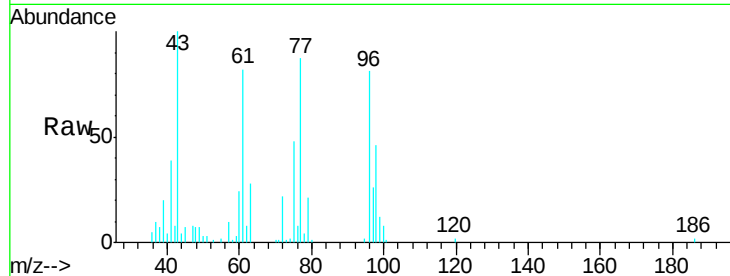
72 21.7 23.4 35.0#

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#26

2,2-Dichloropropane

Concen: 18.886 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064111.D

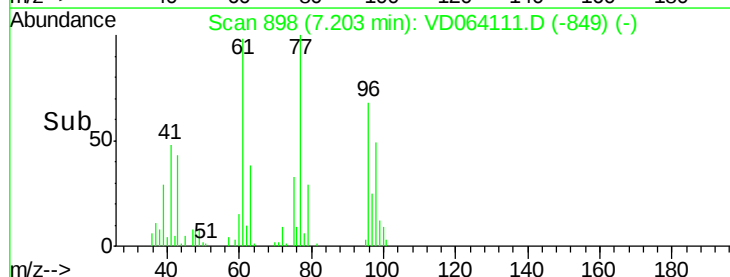
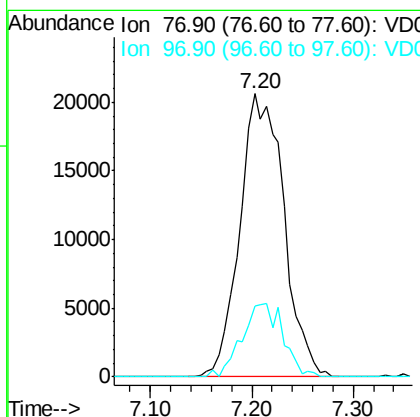
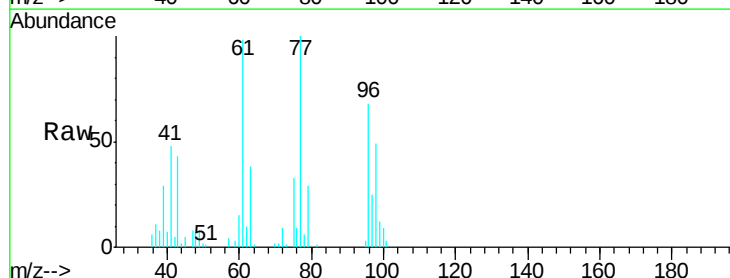
Acq: 30 Oct 2019 13:23

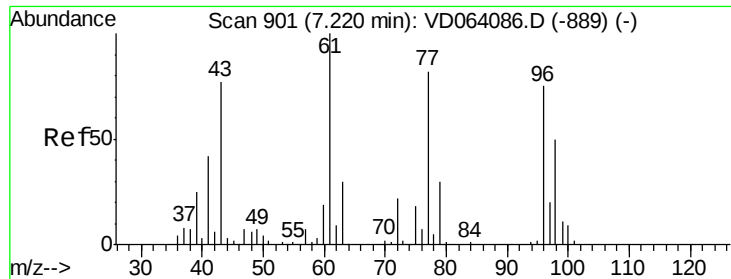
Tgt Ion: 77 Resp: 62179

Ion Ratio Lower Upper

77 100

97 24.2 11.2 33.5





#27

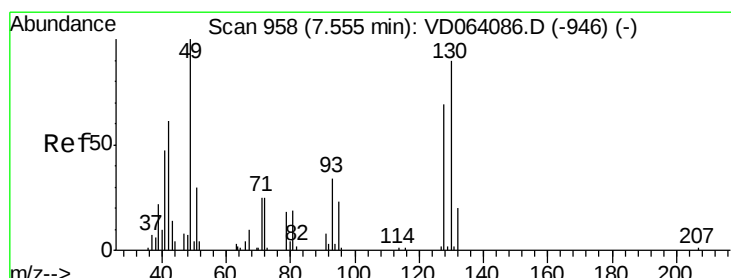
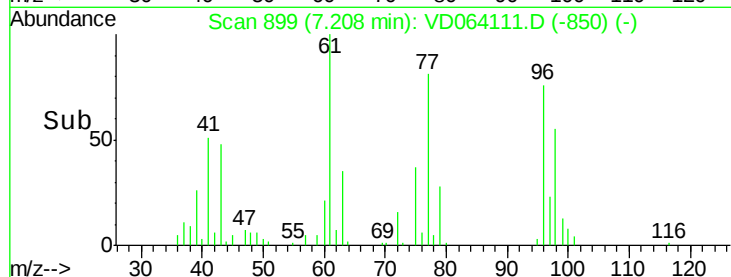
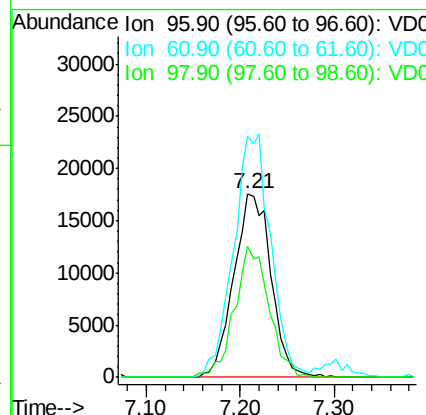
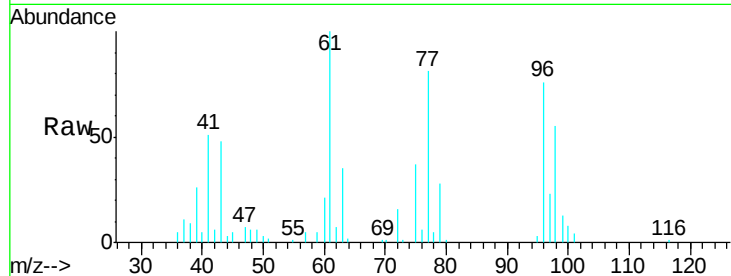
cis-1,2-Dichloroethene
Concen: 19.355 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	258.0
98	66.3	0.0	130.8

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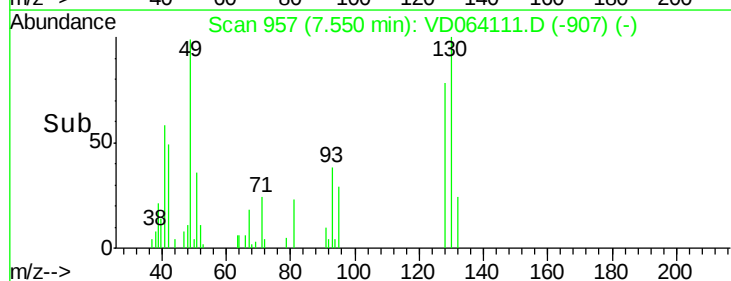
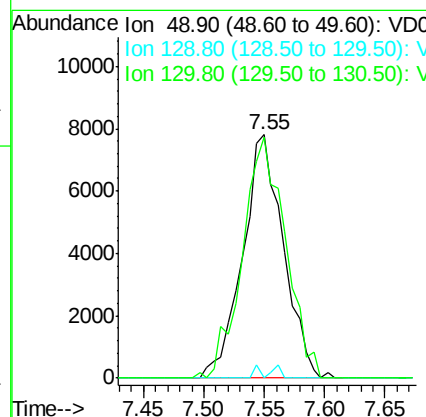
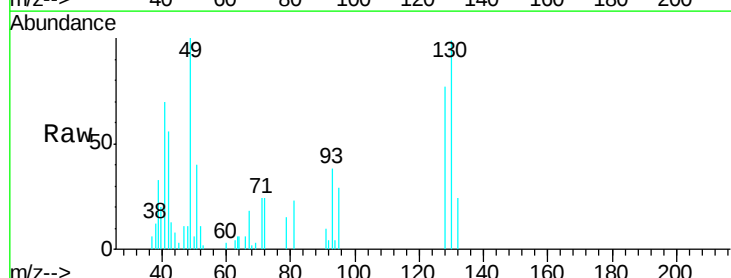
MMDadoda
10/31/2019 3:39:20 PM

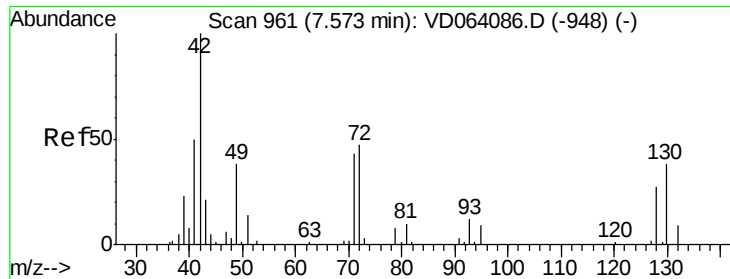


#28

Bromochloromethane
Concen: 15.168 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	5.4
130	104.8	75.3	112.9





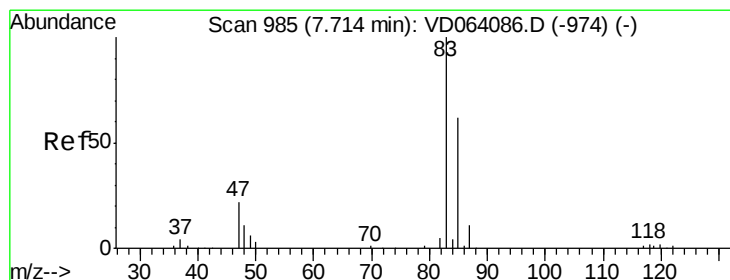
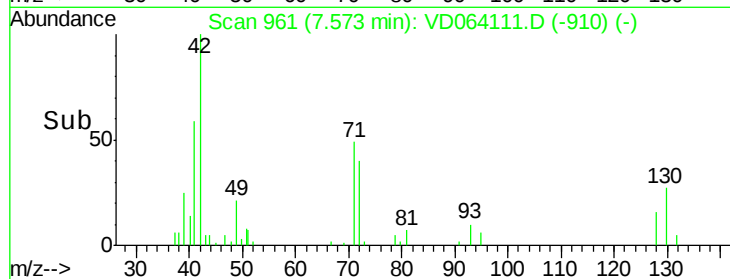
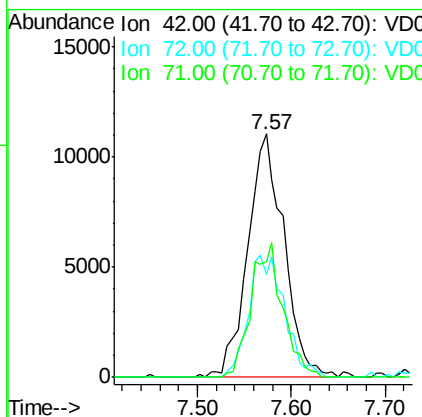
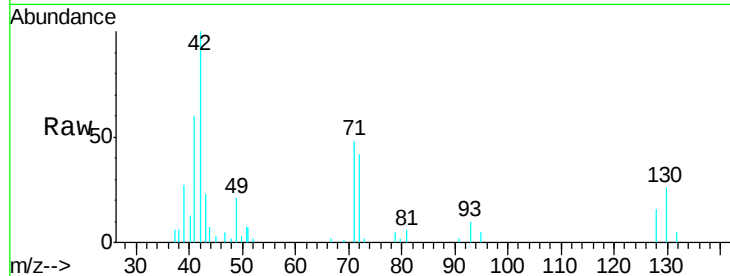
#29
Tetrahydrofuran
Concen: 105.301 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	50.2	38.9	58.3
71	48.8	35.4	53.2

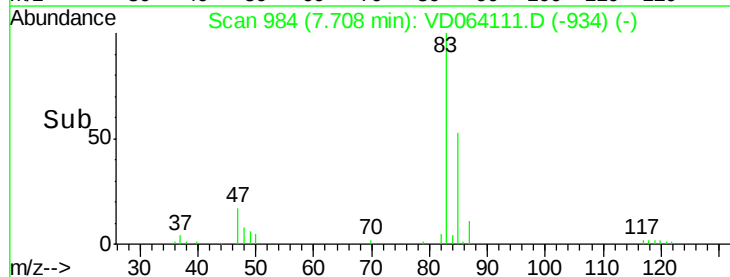
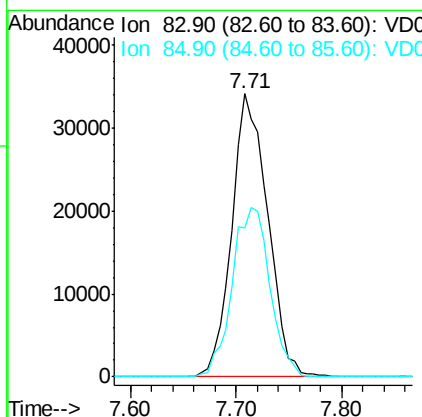
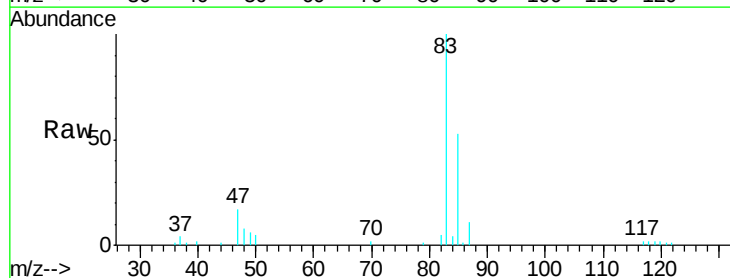
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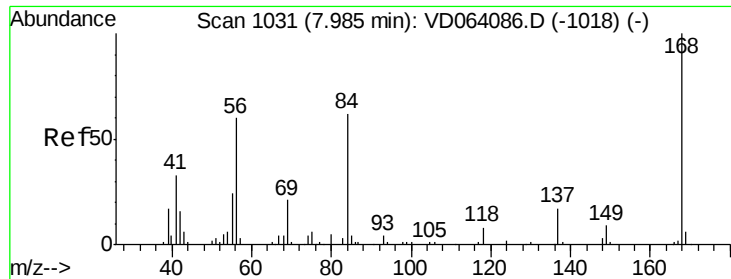
MMDadoda
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#30
Chloroform
Concen: 20.274 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	52.8	49.8	74.6





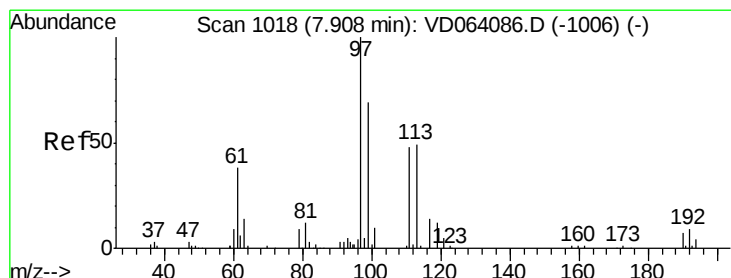
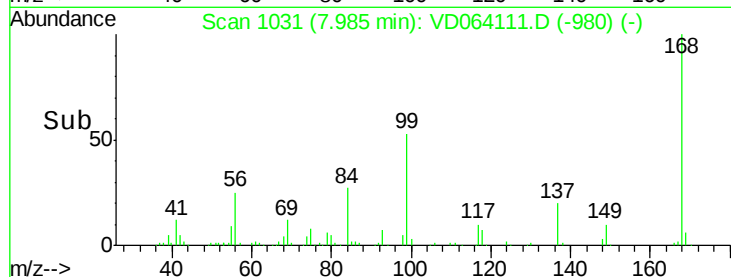
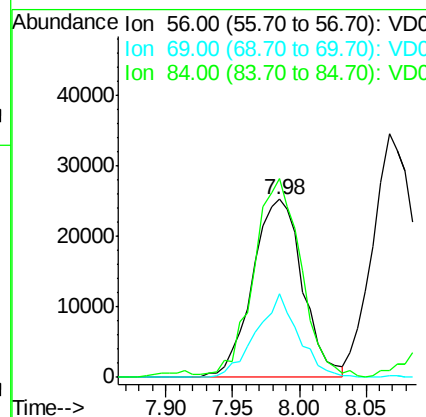
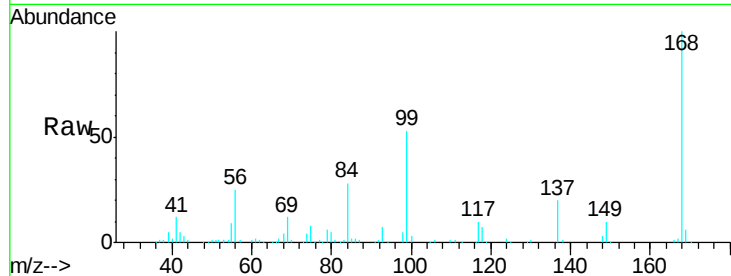
#31
Cyclohexane
Concen: 19.463 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion	Ratio	Lower	Upper
56	100		
69	46.9	27.7	41.5#
84	109.7	83.1	124.7

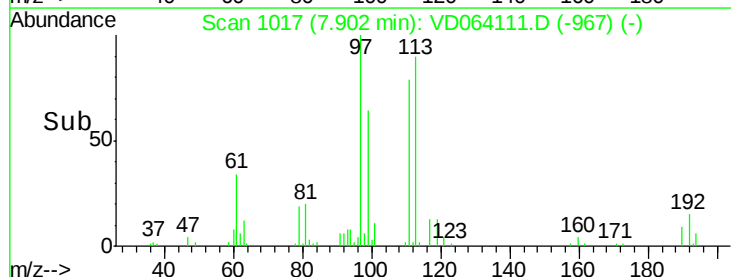
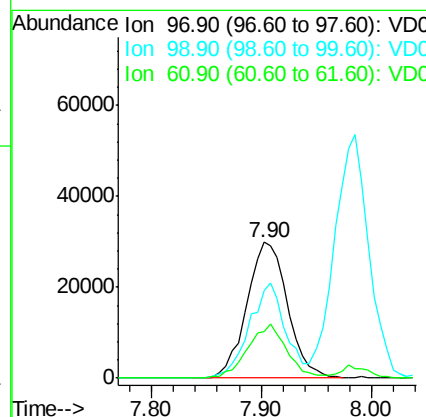
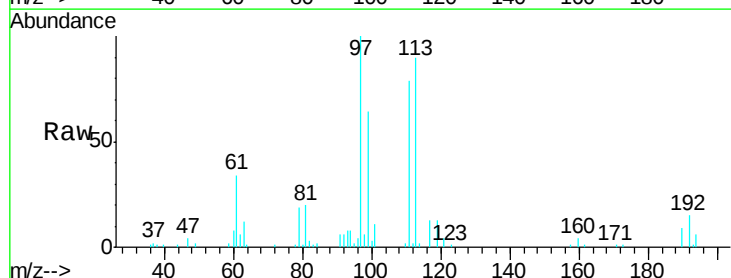
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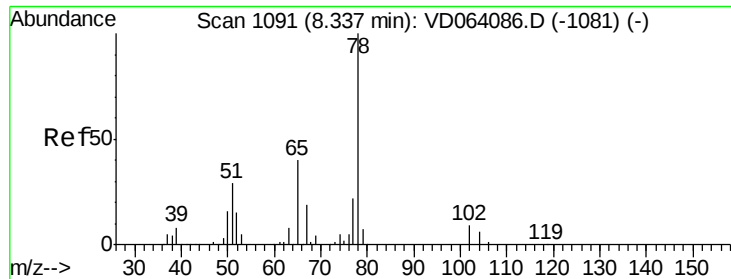
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#32
1,1,1-Trichloroethane
Concen: 20.979 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	53.7	80.5
61	37.8	31.8	47.6





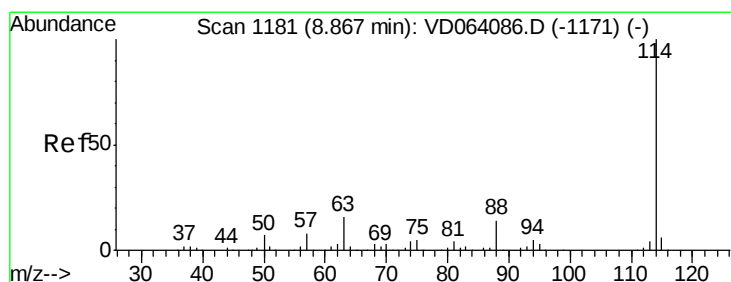
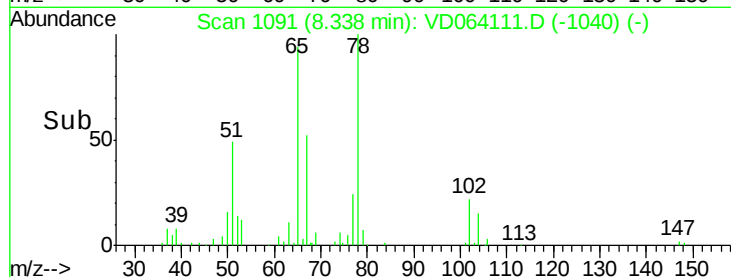
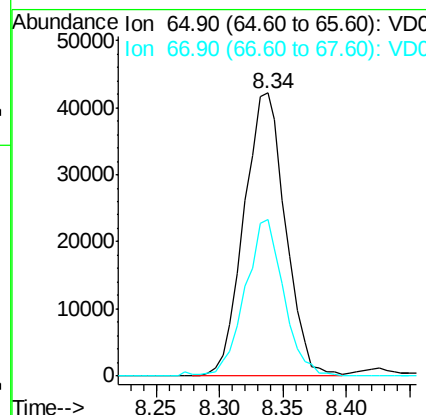
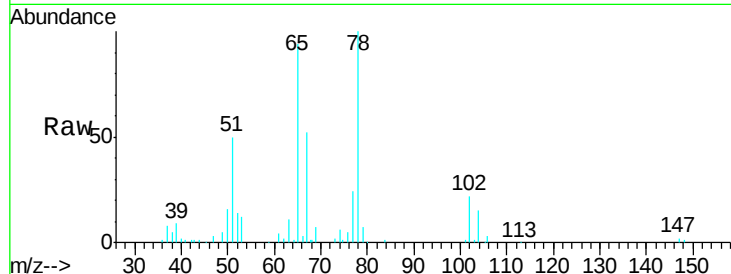
#33
 1,2-Dichloroethane-d4
 Concen: 52.743 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion: 65 Resp: 95831
 Ion Ratio Lower Upper
 65 100
 67 51.6 0.0 104.6

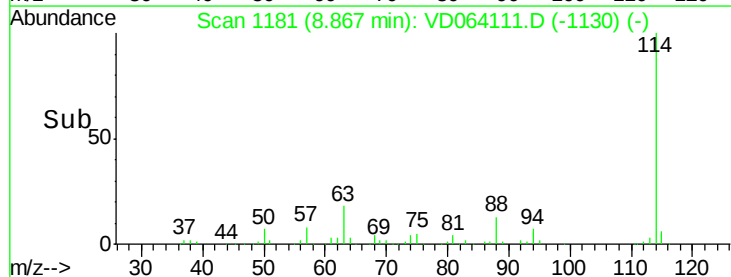
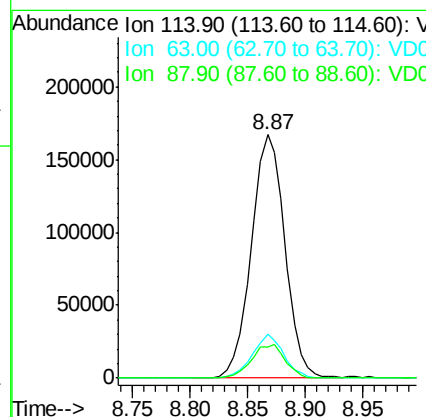
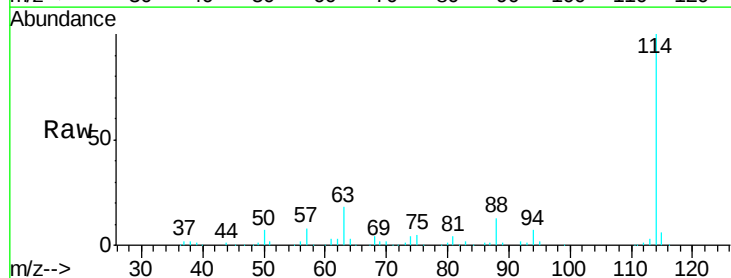
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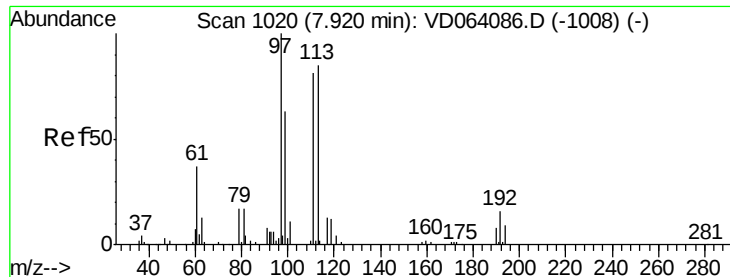
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion: 114 Resp: 339145
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 32.8
 88 13.0 0.0 27.6





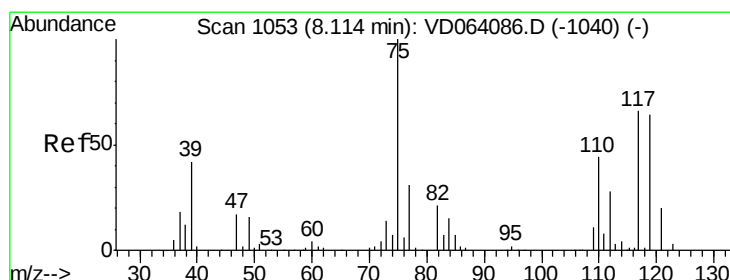
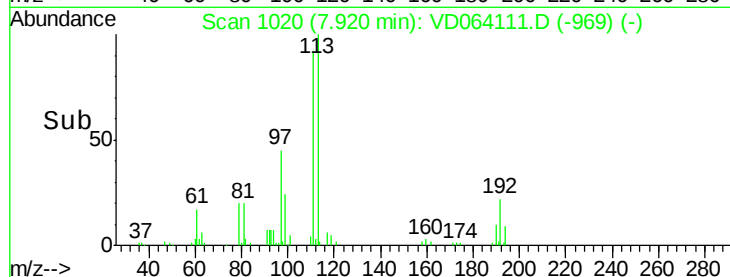
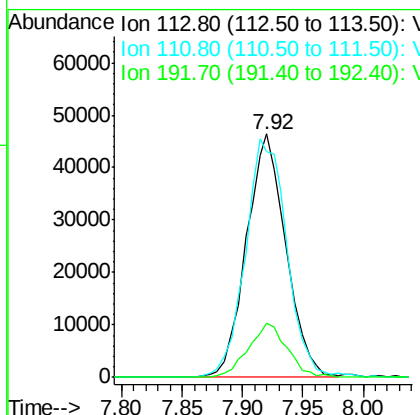
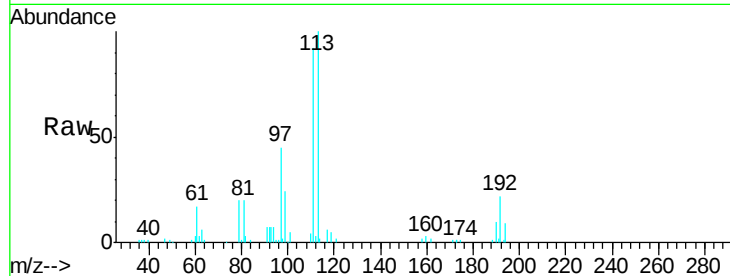
#35
 Dibromofluoromethane
 Concen: 50.687 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.2	79.3	118.9
192	21.8	16.2	24.2

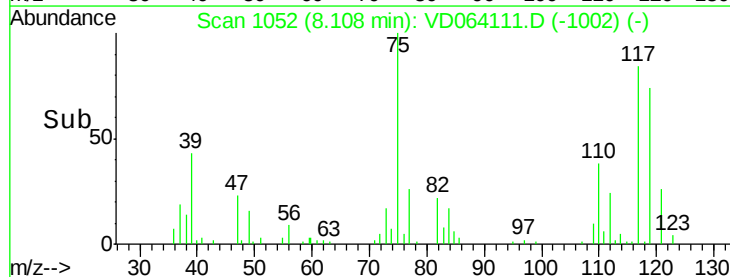
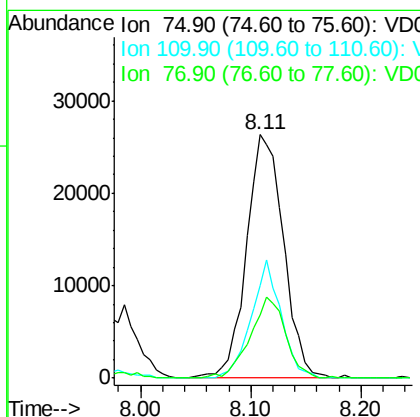
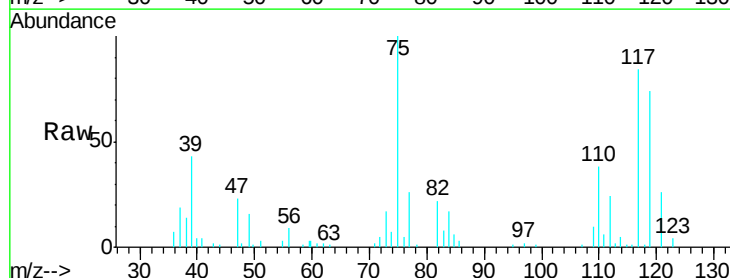
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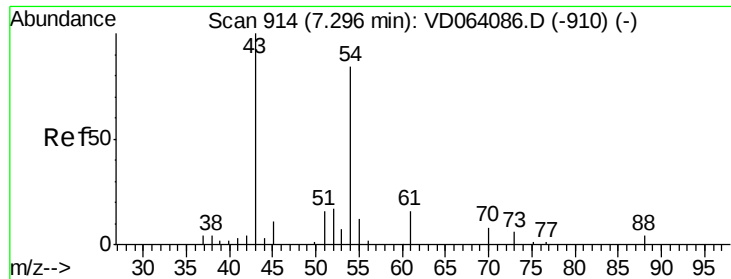
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#36
 1,1-Dichloropropene
 Concen: 19.526 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.0	20.0	59.9
77	31.6	24.7	37.1





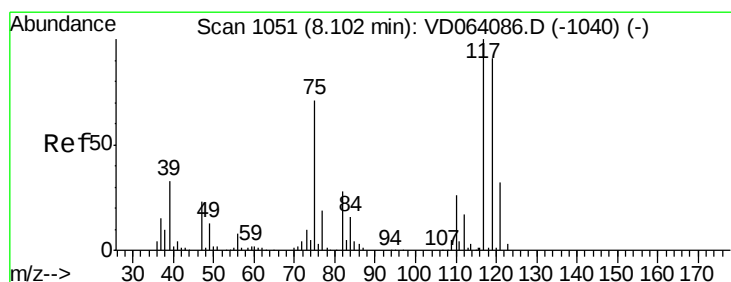
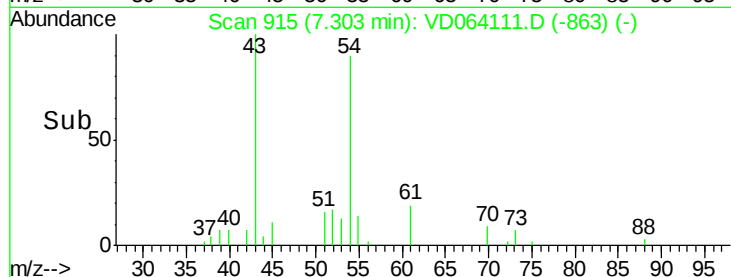
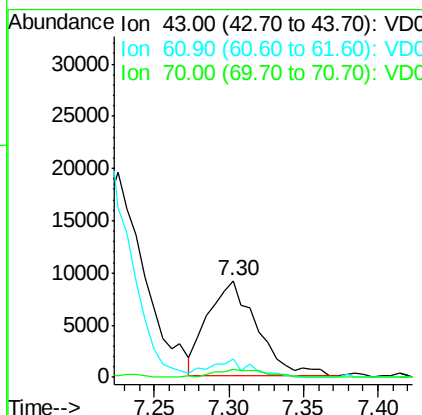
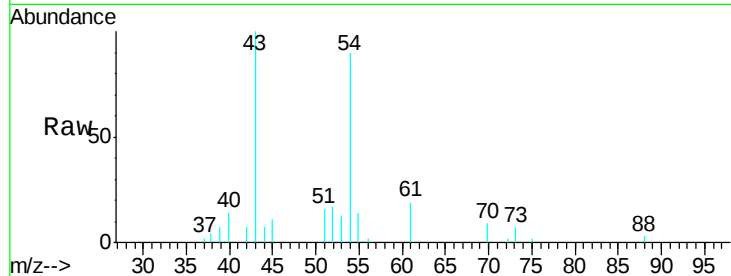
#37
Ethyl Acetate
Concen: 21.439 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion: 43 Resp: 20971
Ion Ratio Lower Upper
43 100
61 16.3 12.0 18.0
70 8.6 3.8 5.6#

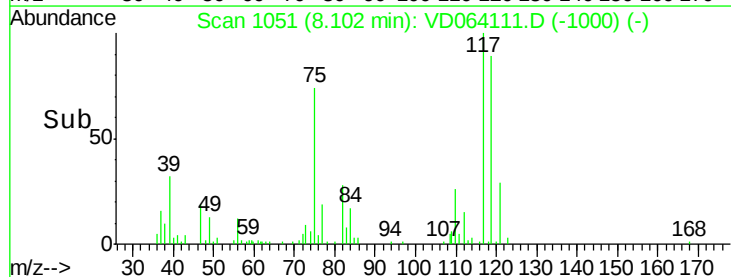
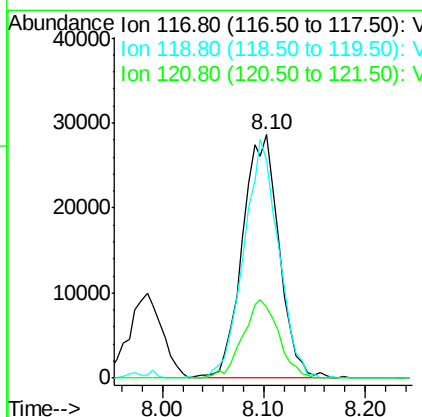
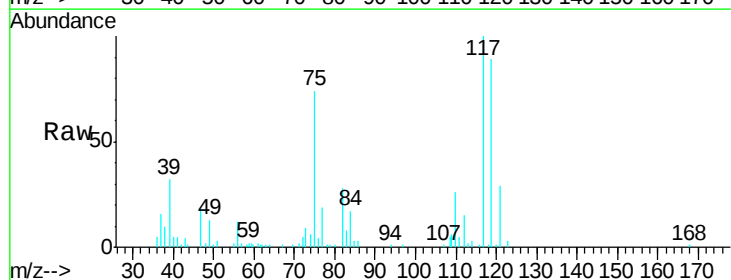
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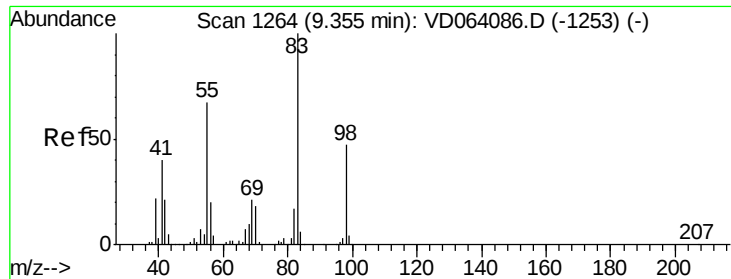
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#38
Carbon Tetrachloride
Concen: 20.598 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 117 Resp: 71419
Ion Ratio Lower Upper
117 100
119 89.3 72.6 108.8
121 29.0 25.8 38.6





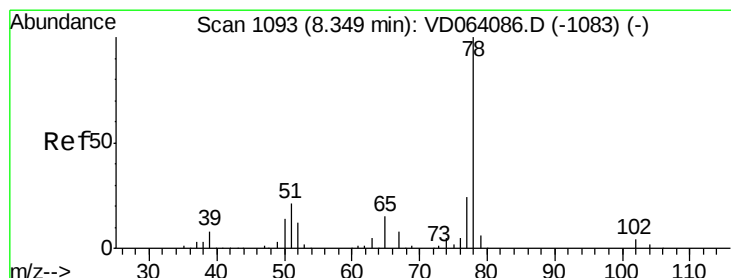
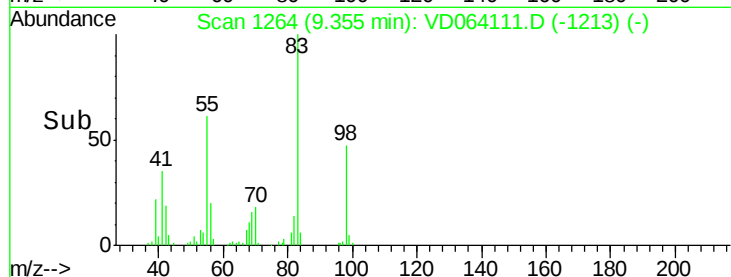
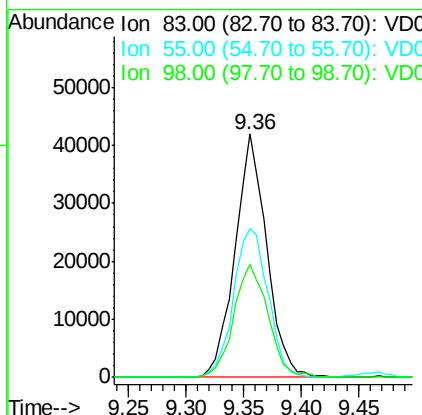
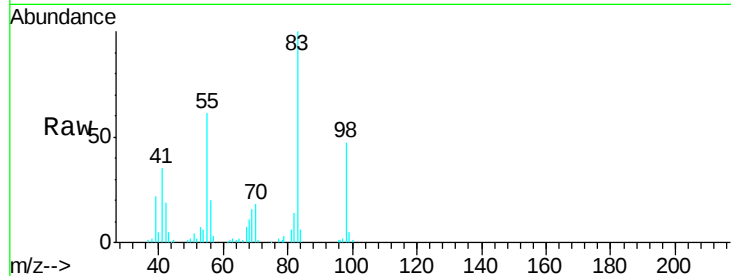
#39
Methylcyclohexane
Concen: 20.512 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	61.0	53.4	80.0
98	46.5	37.8	56.6

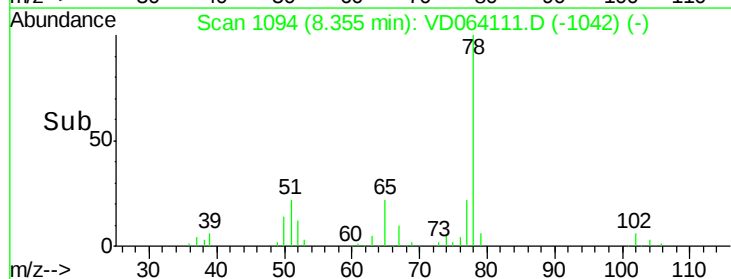
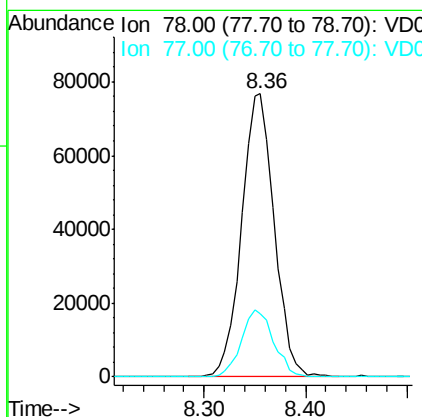
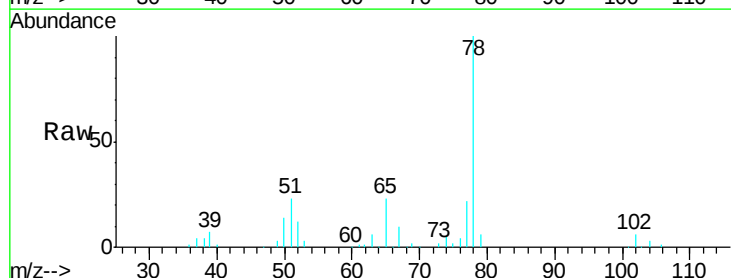
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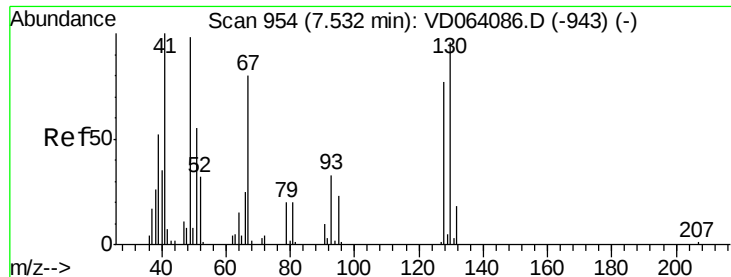
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#40
Benzene
Concen: 19.754 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	19.0	28.4





#41

Methacrylonitrile

Concen: 21.076 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 41 Resp: 11897
Ion Ratio Lower Upper

41 100

39 69.8 41.0 61.4#

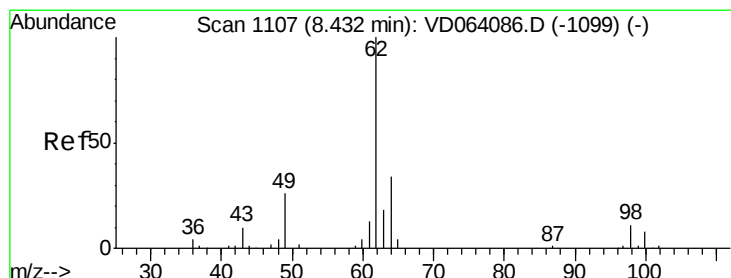
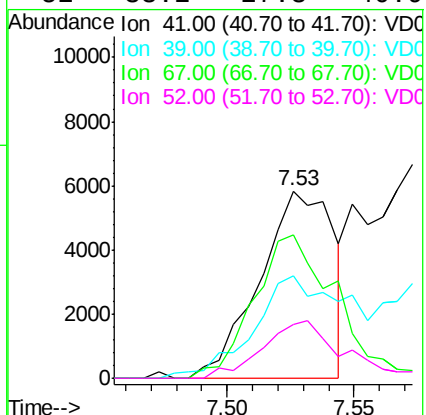
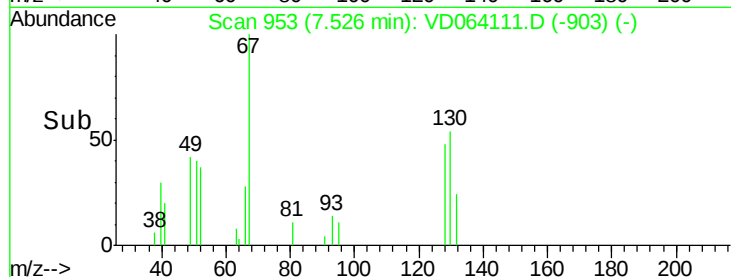
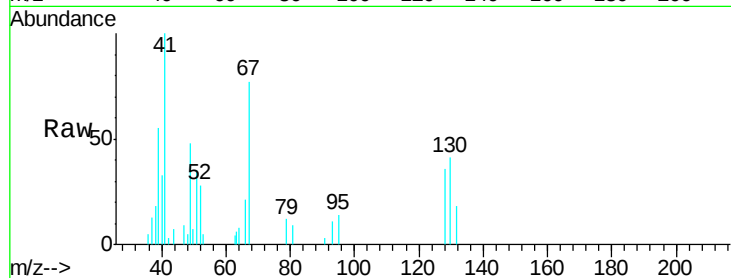
67 84.8 73.4 110.0

52 33.2 27.3 40.9

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.528 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

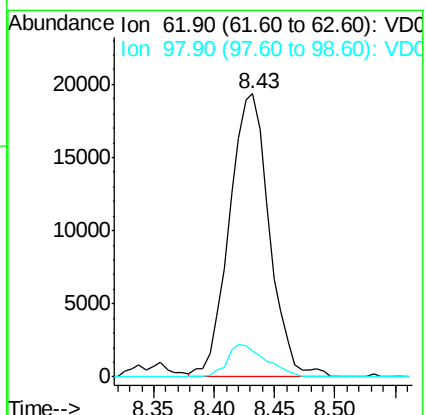
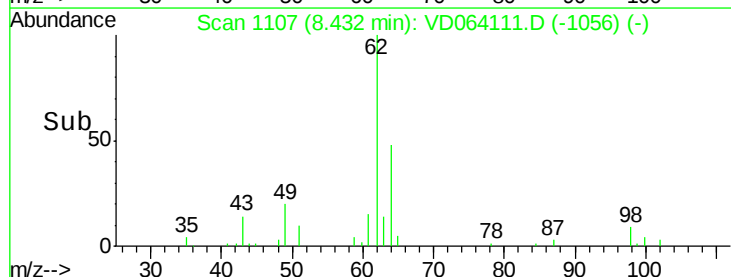
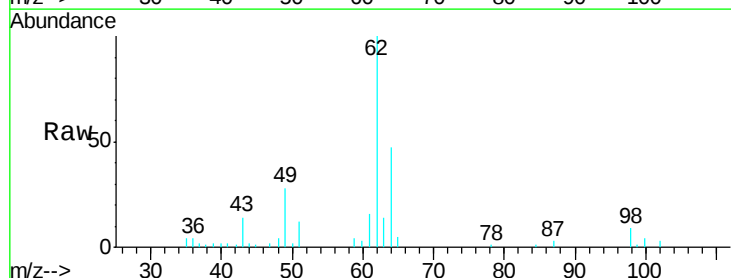
Lab File: VD064111.D

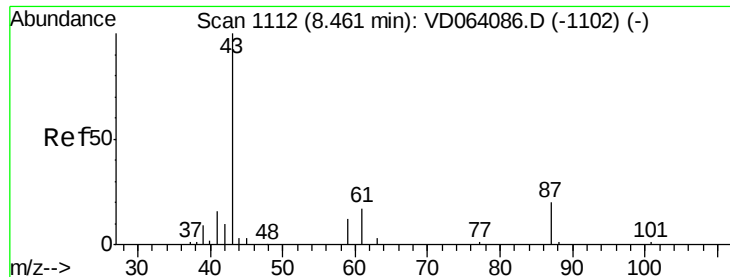
Acq: 30 Oct 2019 13:23

Tgt Ion: 62 Resp: 44702
Ion Ratio Lower Upper

62 100

98 11.1 0.0 21.0





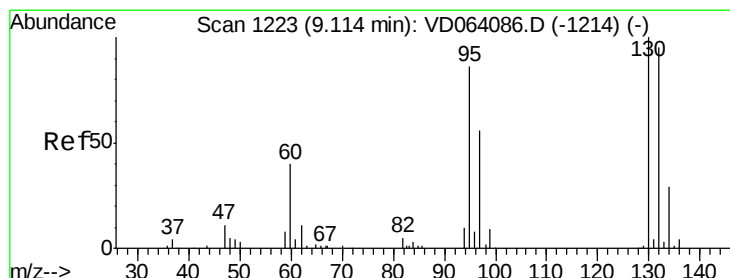
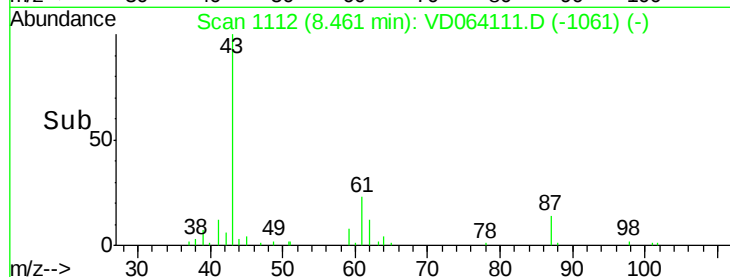
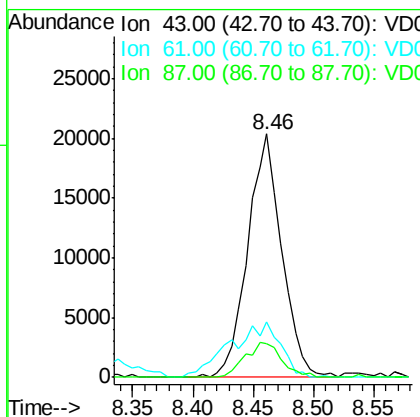
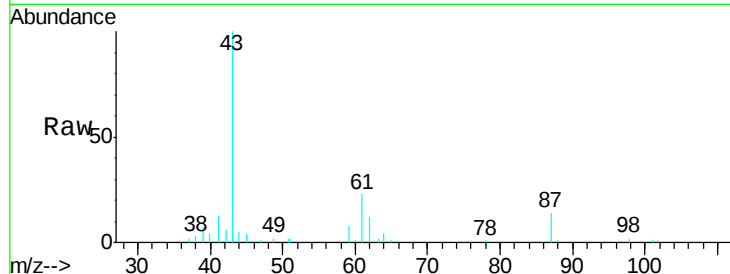
#43
Isopropyl Acetate
Concen: 20.209 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion	Ratio	Lower	Upper
43	100		
61	33.3	25.8	38.8
87	15.5	13.0	19.4

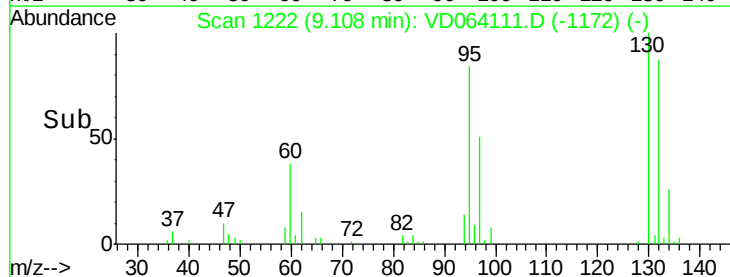
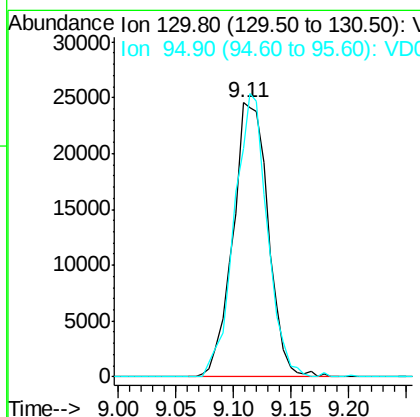
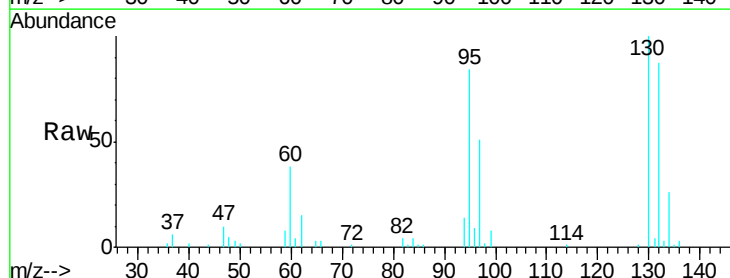
Manual Integrations
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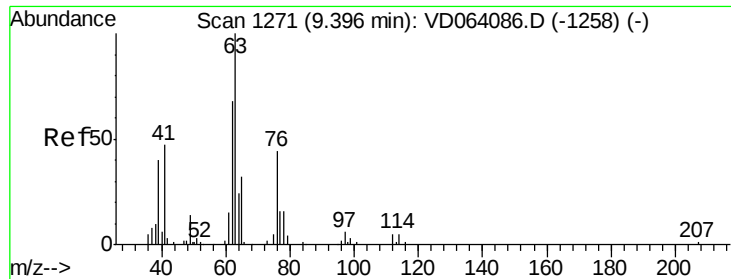
MMDadoda
10/31/2019 3:39:20 PM



#44
Trichloroethene
Concen: 19.791 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
130	100		
95	83.5	0.0	173.0





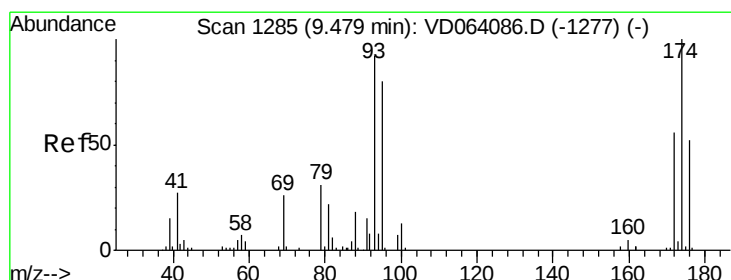
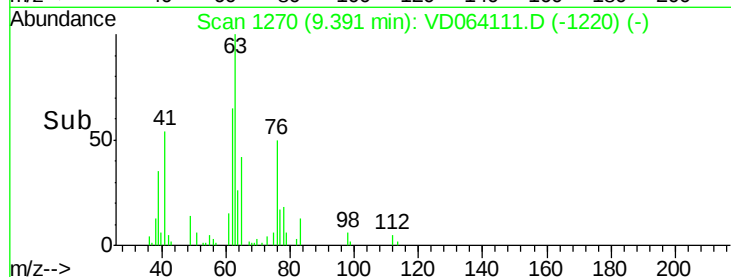
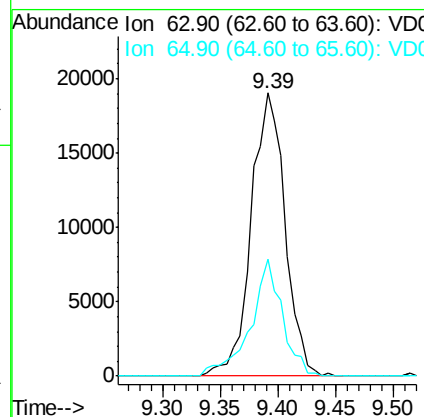
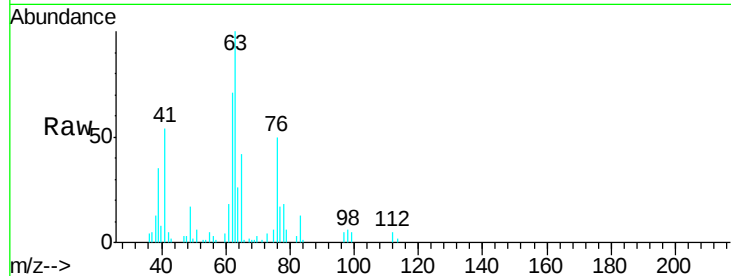
#45
 1,2-Dichloropropane
 Concen: 19.483 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion: 63 Resp: 39128
 Ion Ratio Lower Upper
 63 100
 65 41.5 25.8 38.8#

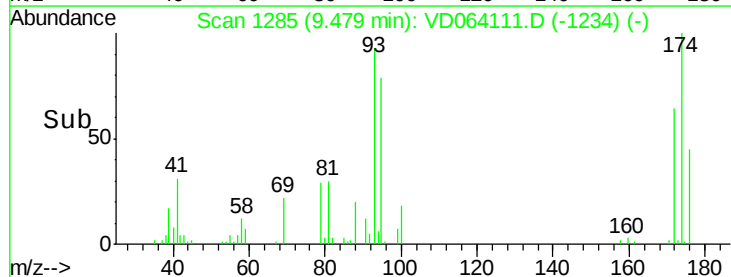
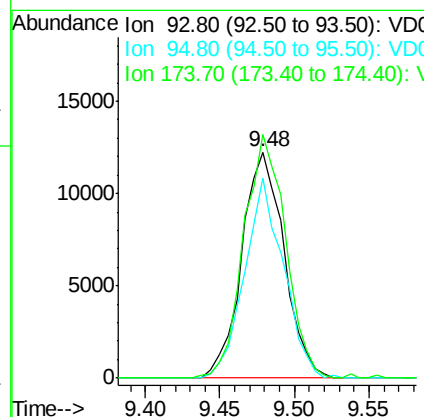
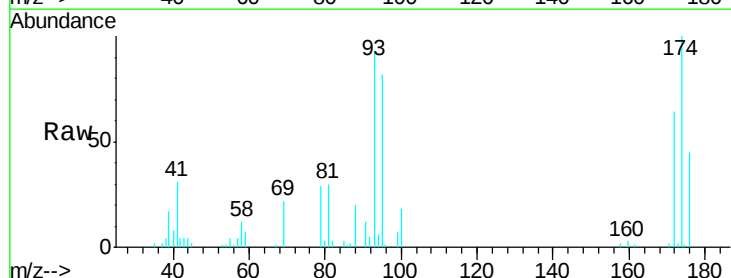
Manual Integrations
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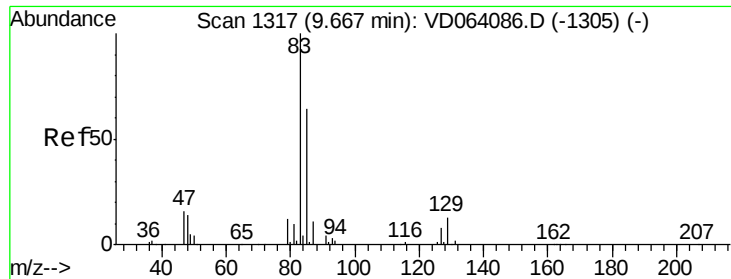
MMDadoda
 10/31/2019 3:39:20 PM



#46
 Dibromomethane
 Concen: 19.810 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion: 93 Resp: 23961
 Ion Ratio Lower Upper
 93 100
 95 81.5 67.4 101.2
 174 107.1 86.4 129.6





#47

Bromodichloromethane

Concen: 19.970 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

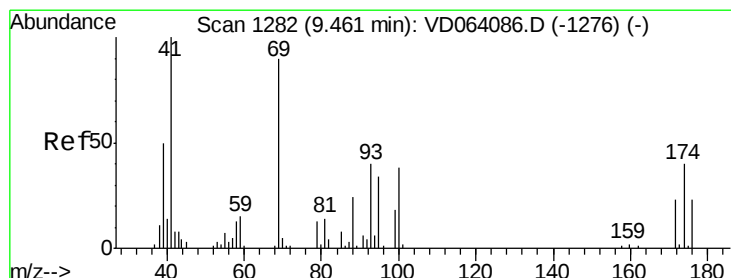
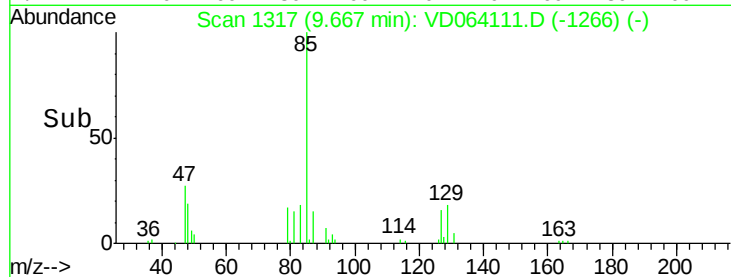
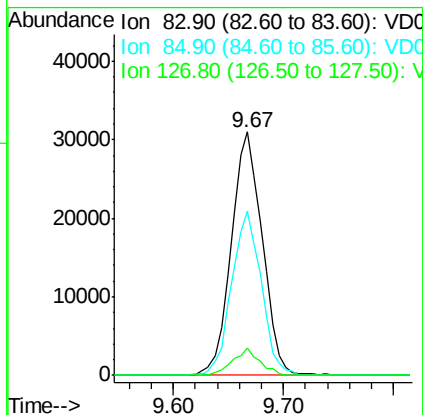
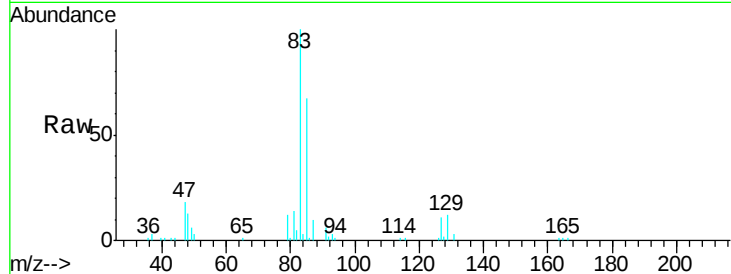
ClientSampleId :

VD1030SBS01

Tgt Ion:	83	Resp:	60938
Ion	Ratio	Lower	Upper
83	100		
85	67.4	51.4	77.0
127	11.1	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 22.004 ug/l

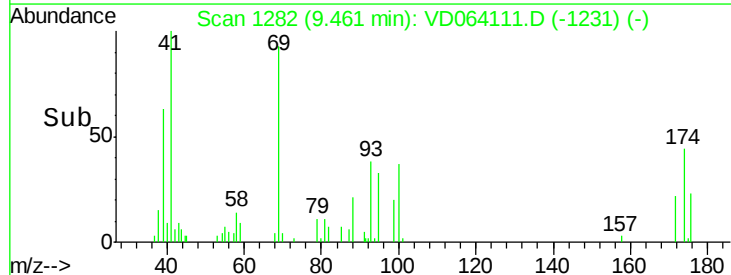
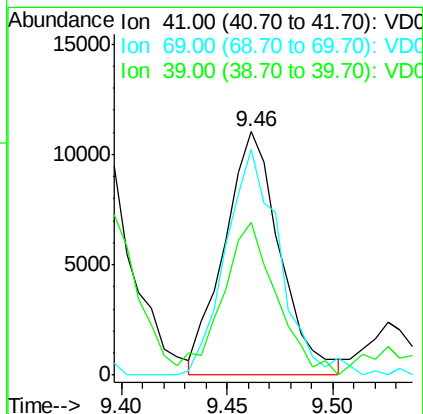
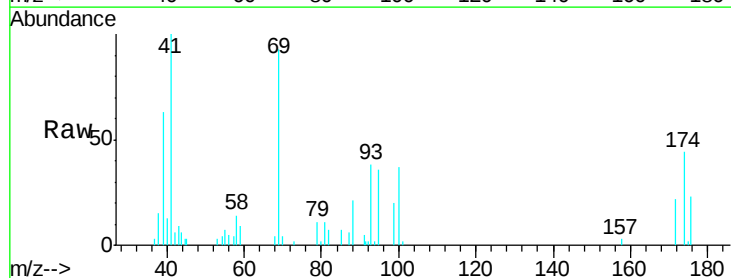
RT: 9.46 min Scan# 1282

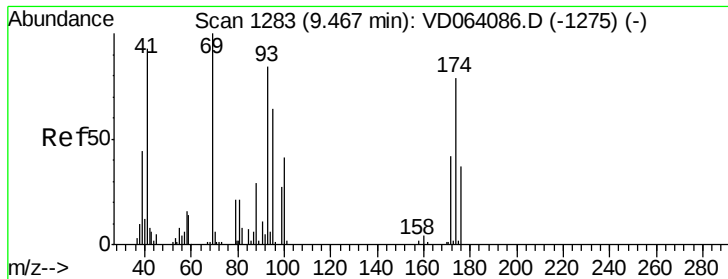
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion:	41	Resp:	20115
Ion	Ratio	Lower	Upper
41	100		
69	90.5	82.6	124.0
39	60.8	47.0	70.4





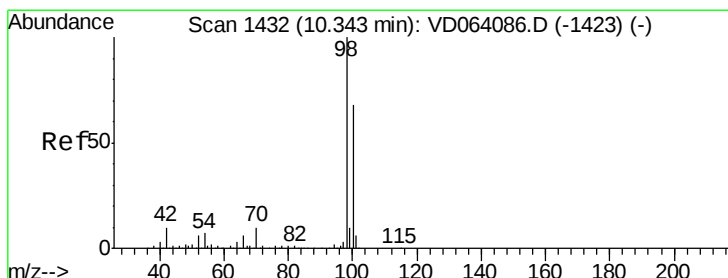
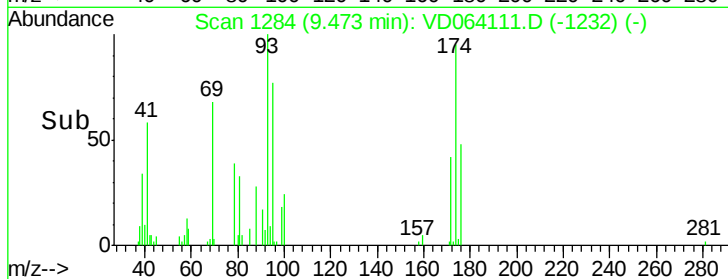
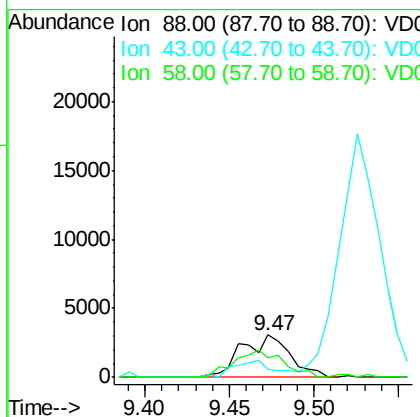
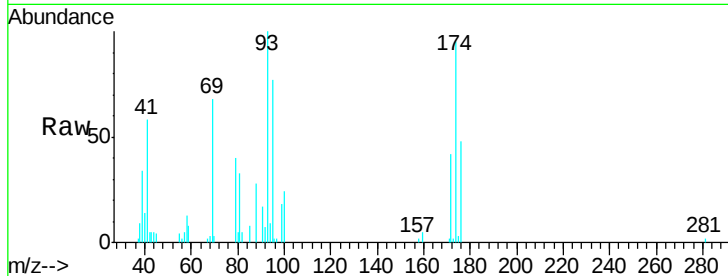
#49
1,4-Dioxane
Concen: 442.745 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
88	100		
43	32.6	13.4	20.0#
58	64.7	46.7	70.1

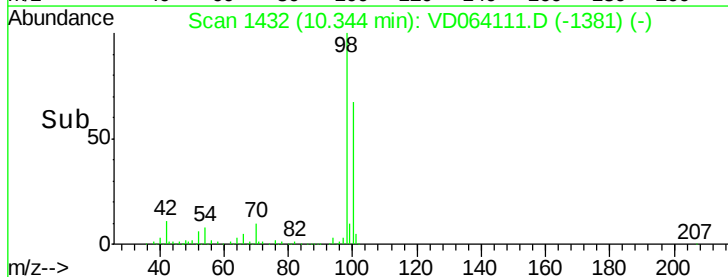
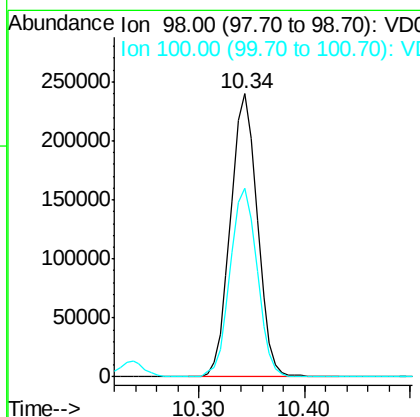
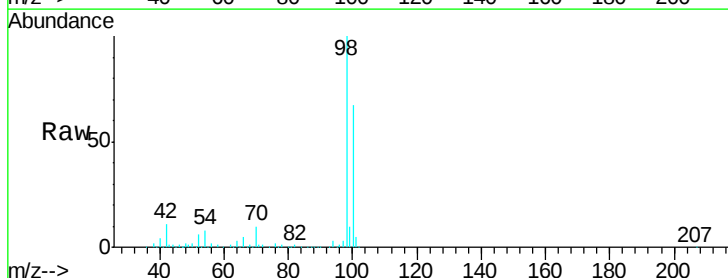
Manual Integrations
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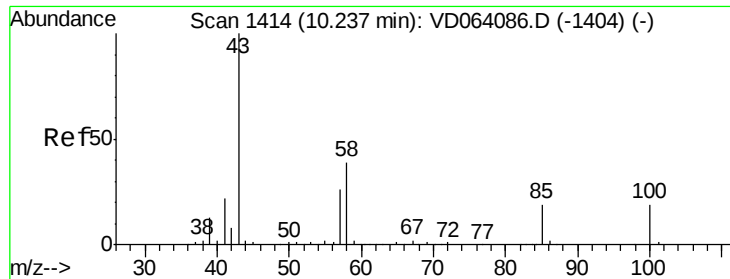
MMDadoda
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#50
Toluene-d8
Concen: 50.681 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.3	53.4	80.0





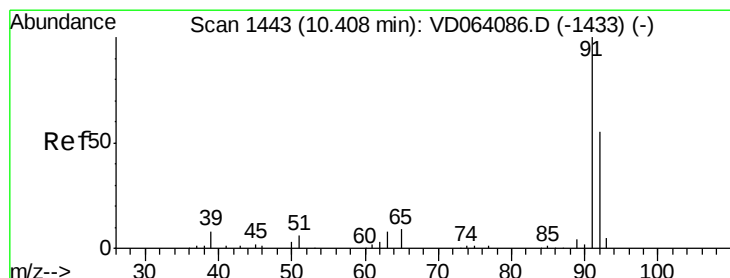
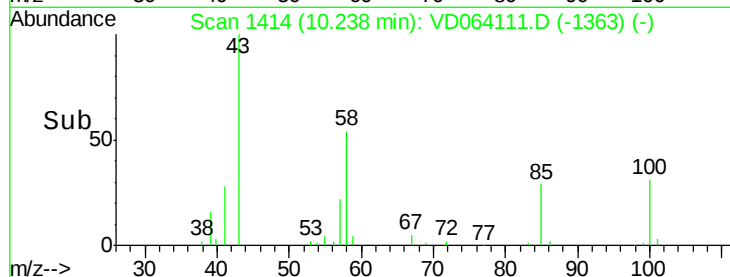
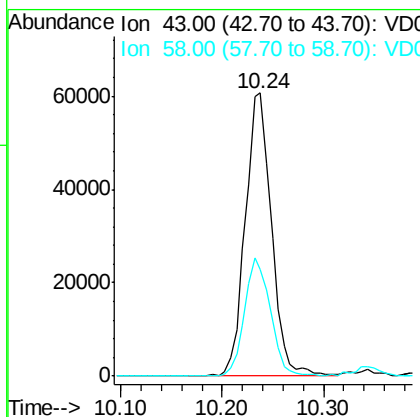
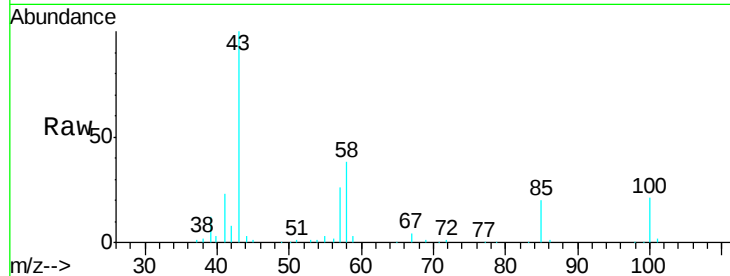
#51
4-Methyl-2-Pentanone
Concen: 101.683 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 43 Resp: 109429
Ion Ratio Lower Upper
43 100
58 41.2 33.0 49.4

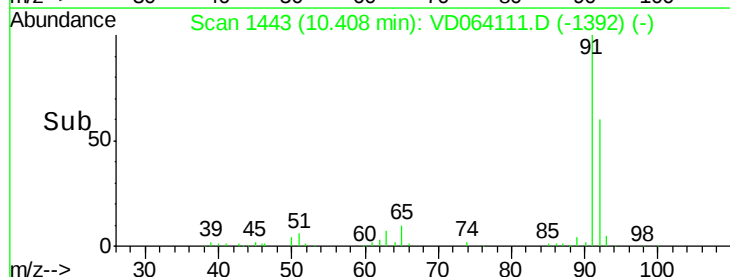
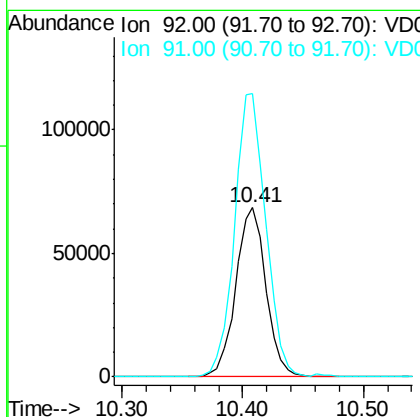
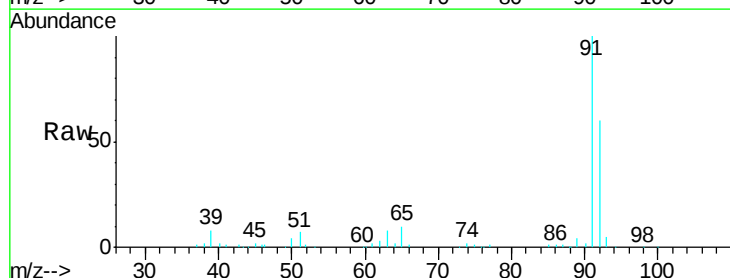
Manual Integrations
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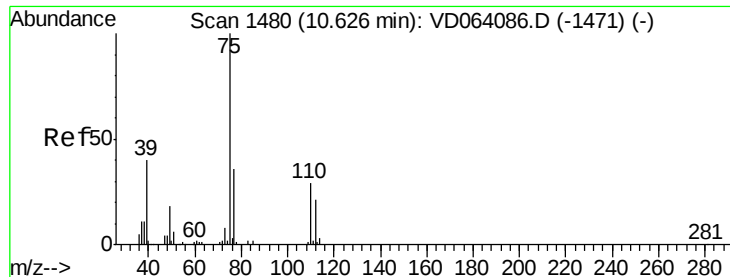
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#52
Toluene
Concen: 19.672 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 92 Resp: 119470
Ion Ratio Lower Upper
92 100
91 173.0 140.7 211.1





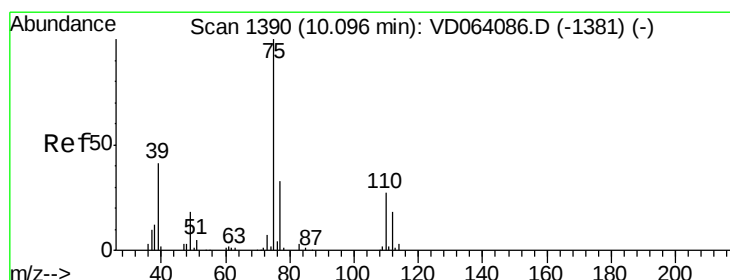
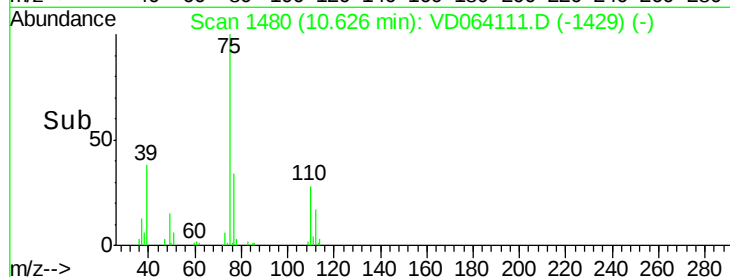
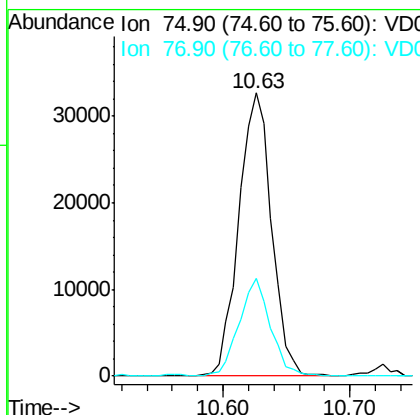
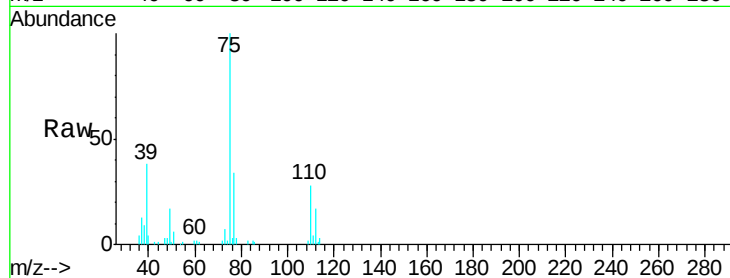
#53
t-1,3-Dichloropropene
Concen: 20.540 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 75 Resp: 58507
Ion Ratio Lower Upper
75 100
77 34.3 28.7 43.1

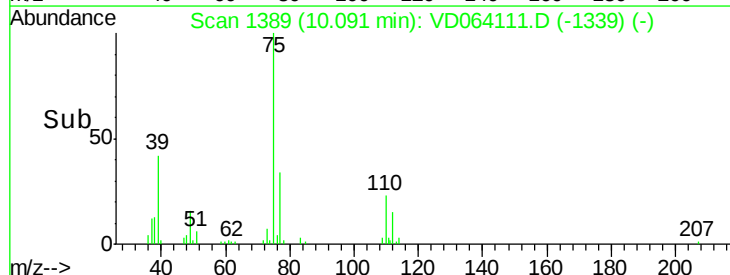
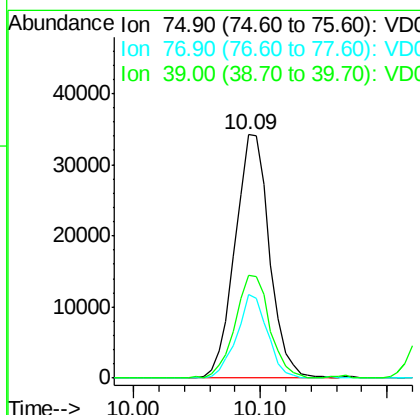
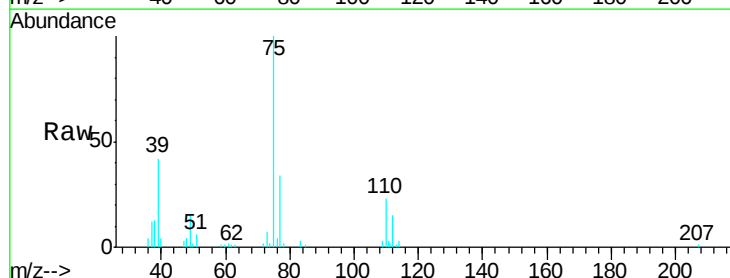
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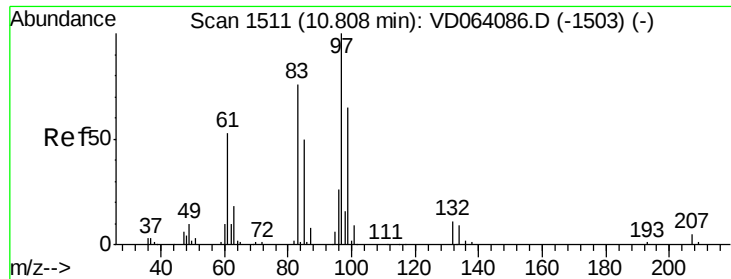
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#54
cis-1,3-Dichloropropene
Concen: 19.197 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 75 Resp: 64333
Ion Ratio Lower Upper
75 100
77 34.3 26.8 40.2
39 42.0 32.7 49.1





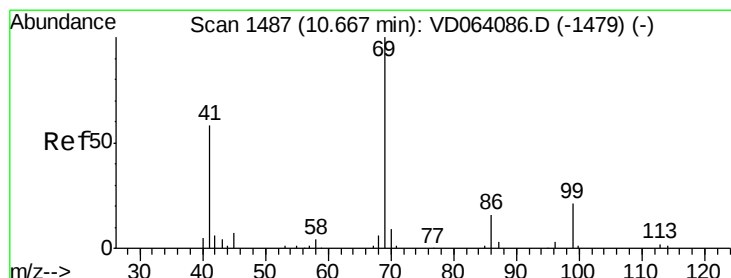
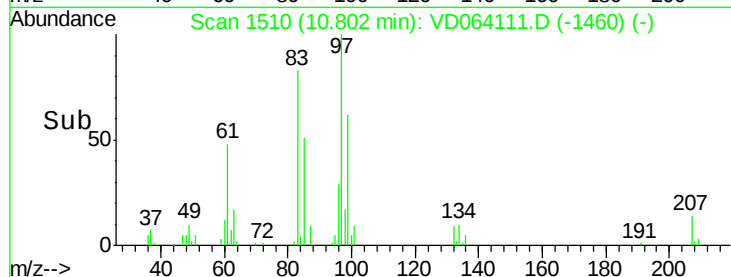
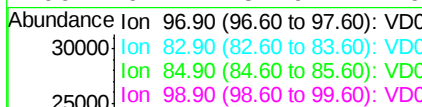
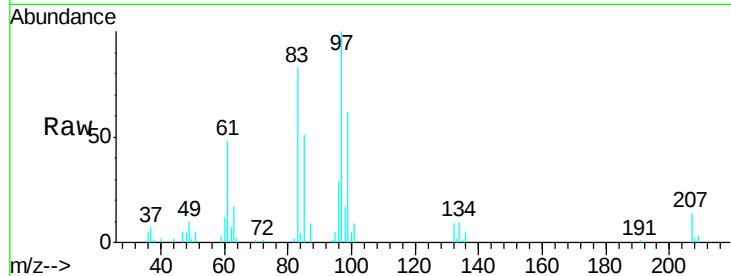
#55
 1,1,2-Trichloroethane
 Concen: 20.408 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

Tgt Ion	Ratio	Lower	Upper
97	100		
83	82.9	60.9	91.3
85	51.0	40.2	60.2
99	62.4	51.9	77.9

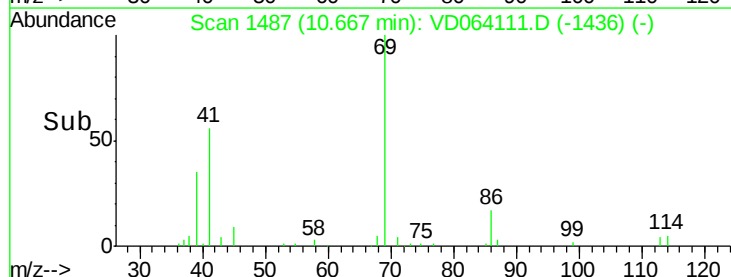
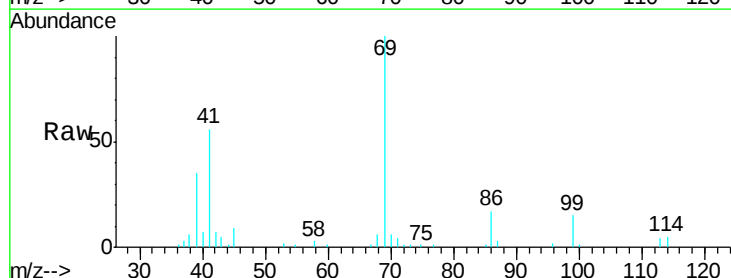
Manual Integrations
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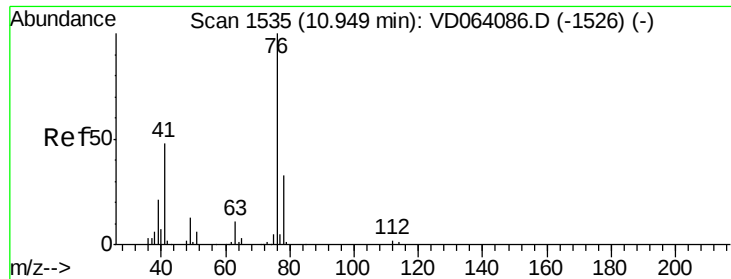
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 10/31/2019 3:39:20 PM



#56
 Ethyl methacrylate
 Concen: 19.882 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
69	100		
41	59.1	46.9	70.3
39	33.6	27.3	40.9





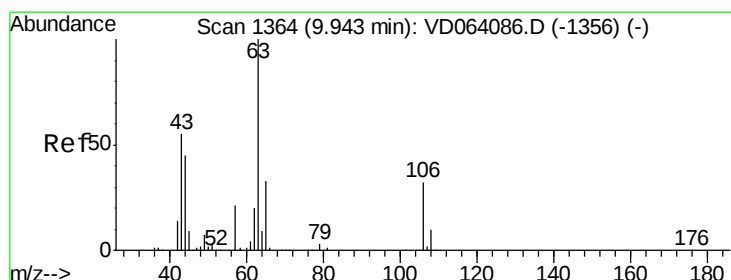
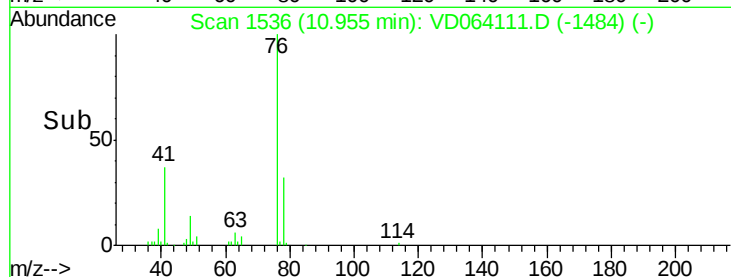
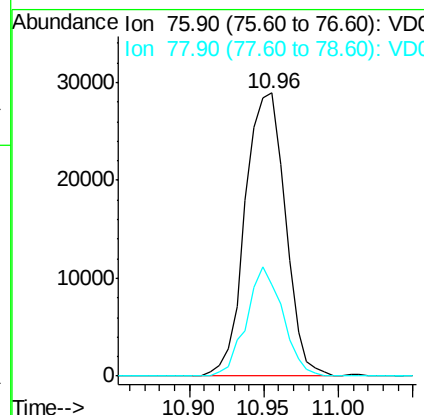
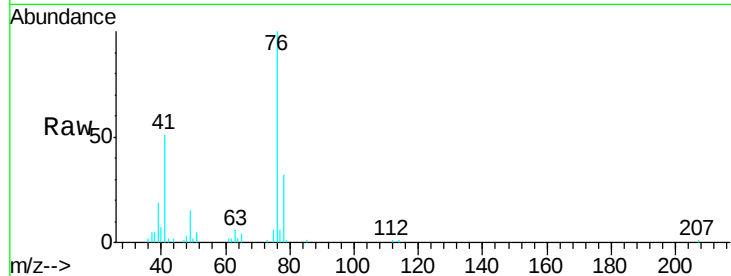
#57
 1,3-Dichloropropane
 Concen: 19.034 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

Tgt Ion: 76 Resp: 53983
 Ion Ratio Lower Upper
 76 100
 78 34.9 25.9 38.9

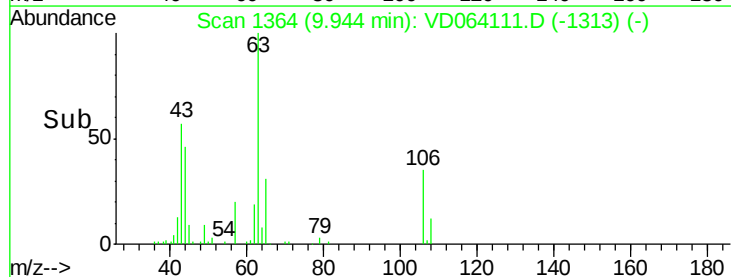
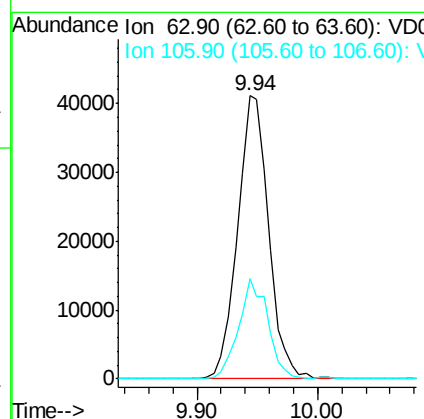
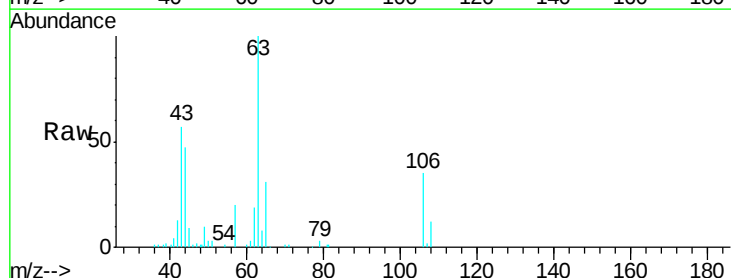
Manual Integrations
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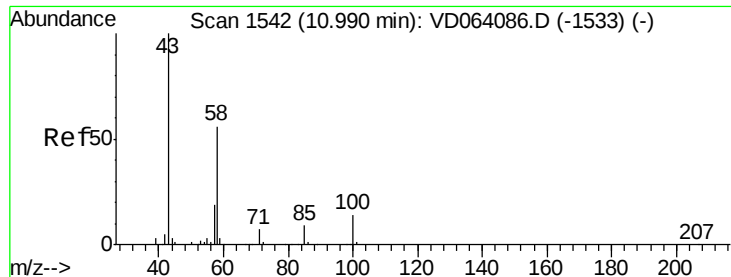
MMDadoda
 10/31/2019 3:39:20 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.773 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion: 63 Resp: 73458
 Ion Ratio Lower Upper
 63 100
 106 33.5 25.8 38.8





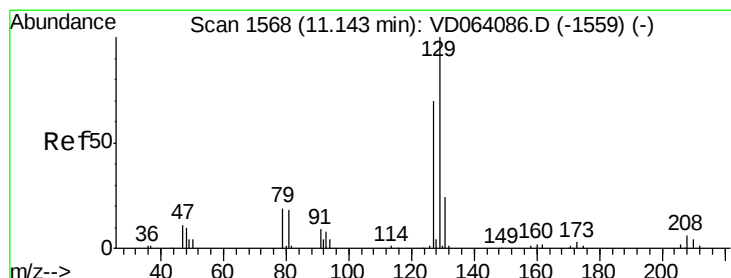
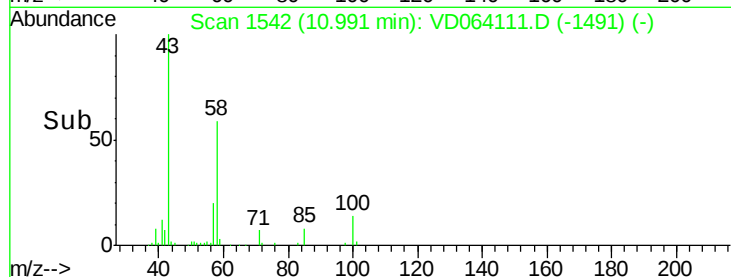
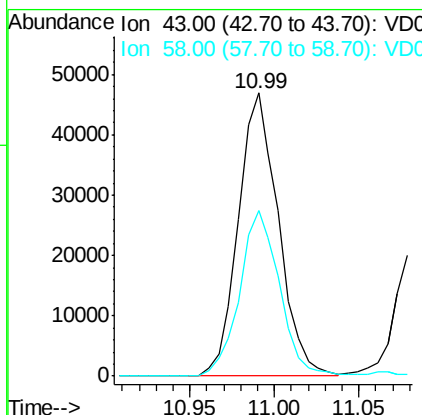
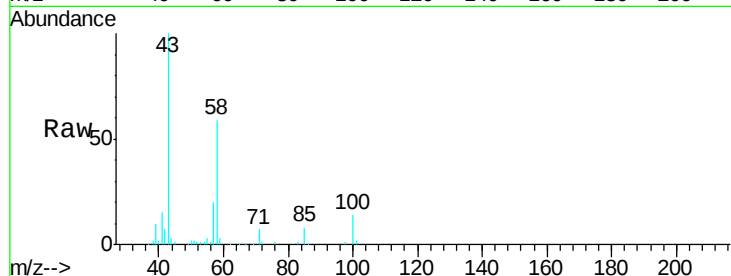
#59
2-Hexanone
Concen: 97.375 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 43 Resp: 77330
Ion Ratio Lower Upper
43 100
58 58.4 29.2 87.6

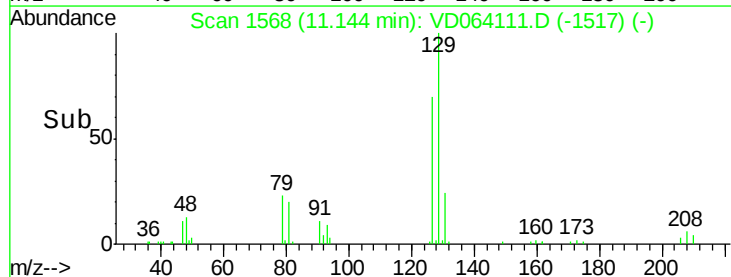
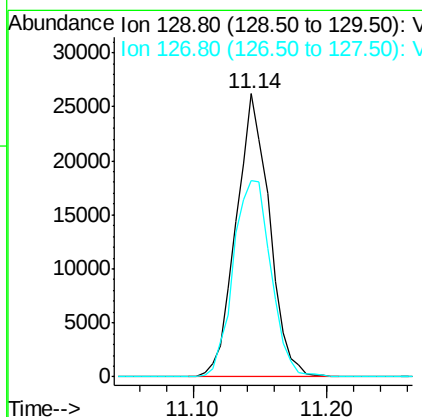
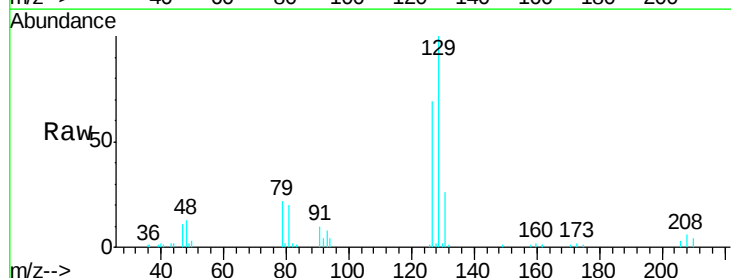
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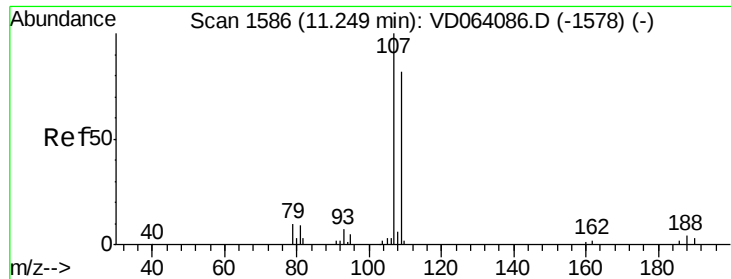
MMDadoda
10/31/2019 3:39:20 PM



#60
Dibromochloromethane
Concen: 19.442 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 129 Resp: 45254
Ion Ratio Lower Upper
129 100
127 78.6 38.3 114.8





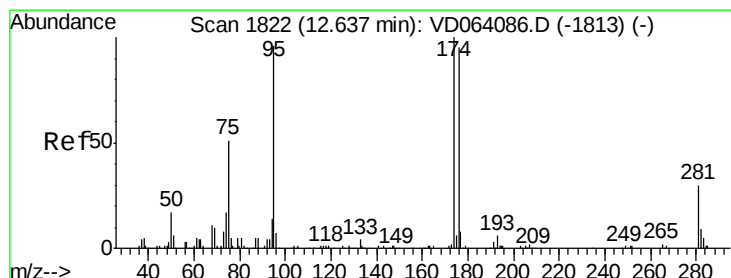
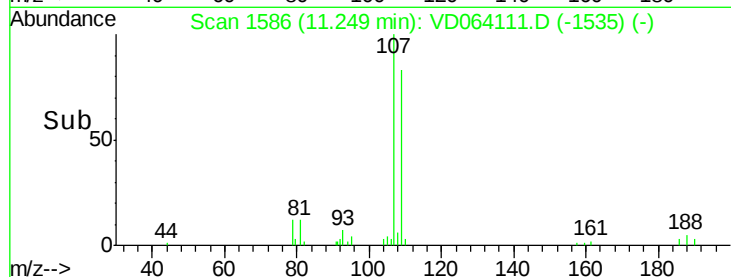
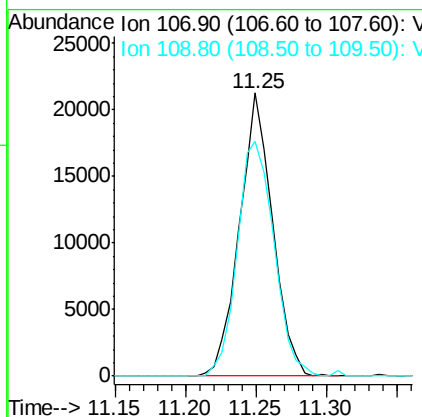
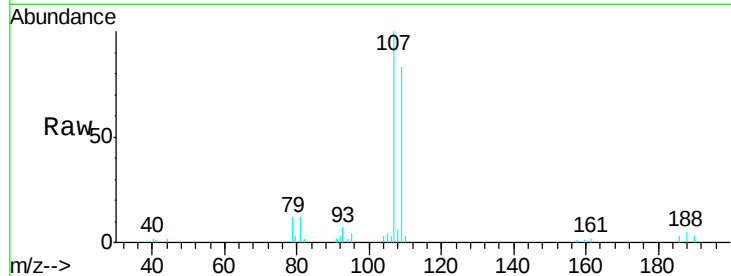
#61
1,2-Dibromoethane
Concen: 20.397 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion: 107 Resp: 34985
Ion Ratio Lower Upper
107 100
109 92.2 73.0 109.4

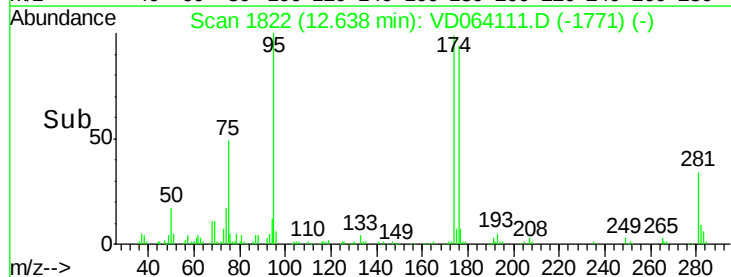
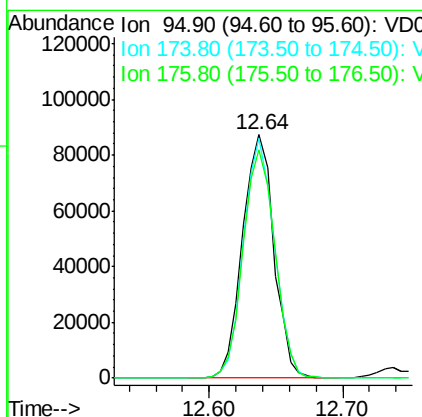
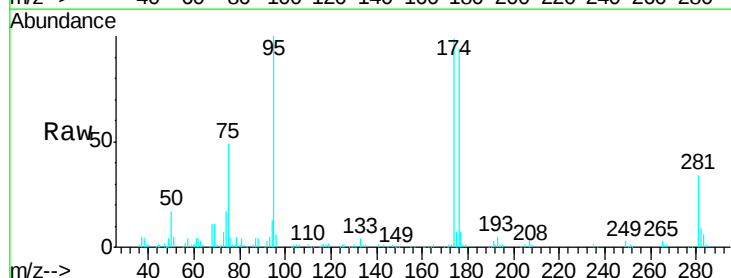
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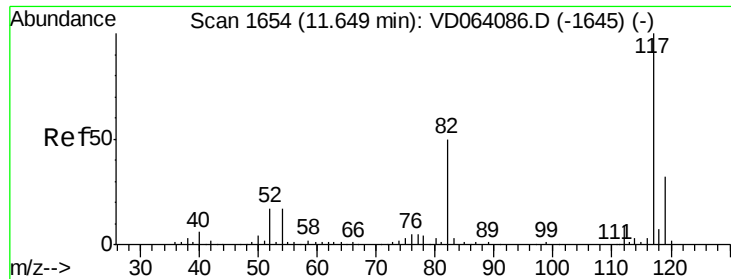
MMDadoda
10/31/2019 3:39:20 PM



#62
4-Bromofluorobenzene
Concen: 51.143 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 95 Resp: 141483
Ion Ratio Lower Upper
95 100
174 97.4 0.0 201.6
176 95.3 0.0 192.6





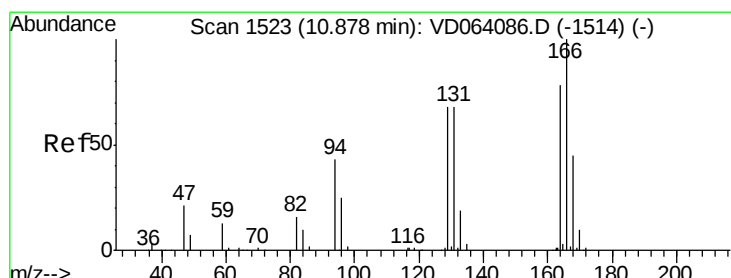
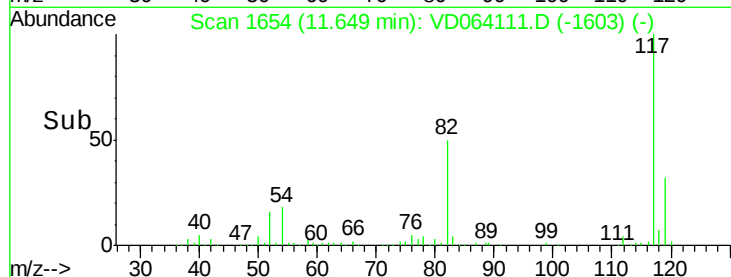
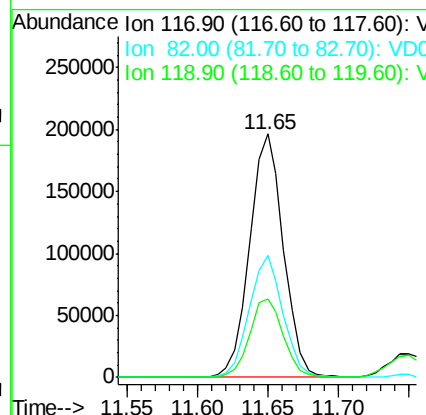
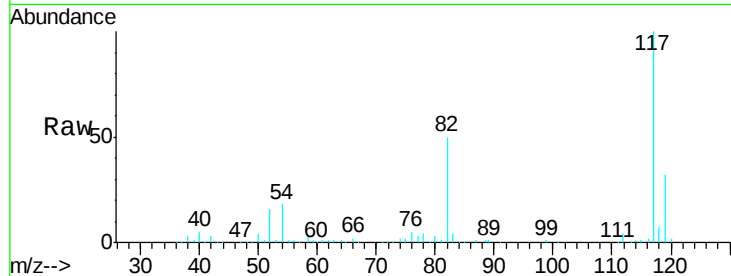
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	328545		
82	49.9	40.2	60.4	
119	32.3	26.0	39.0	

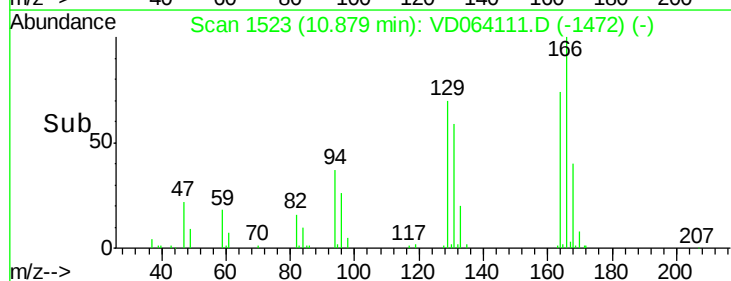
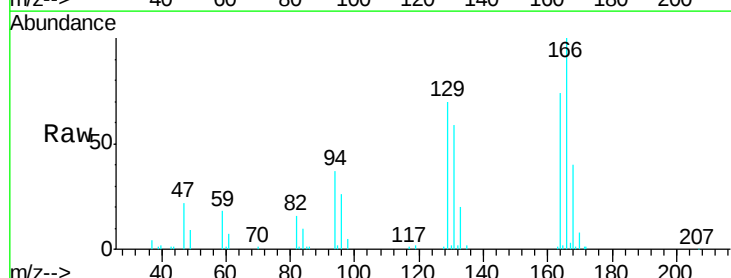
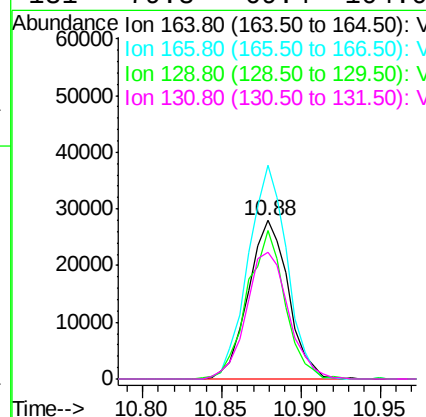
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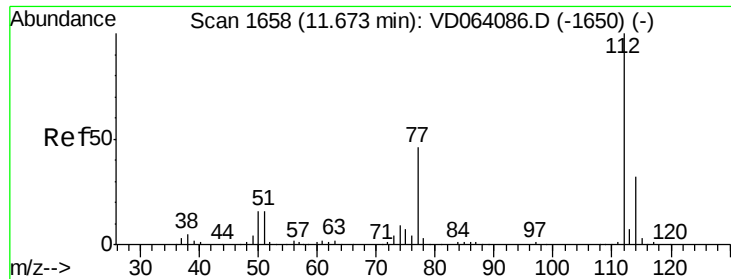
MMDadoda
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#64
Tetrachloroethene
Concen: 20.817 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49135		
166	134.8	102.7	154.1	
129	93.8	69.8	104.6	
131	79.8	69.4	104.0	





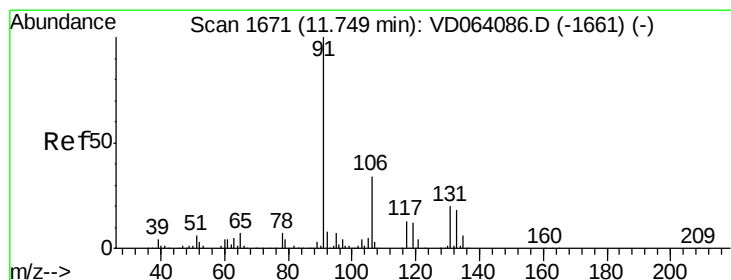
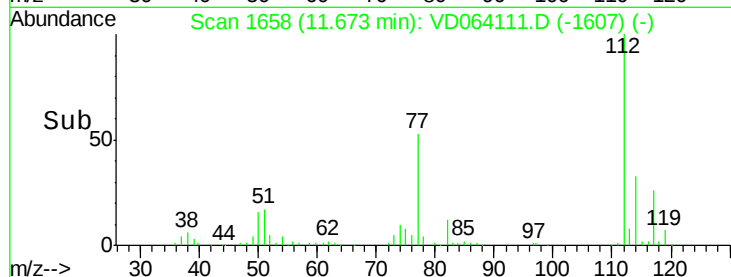
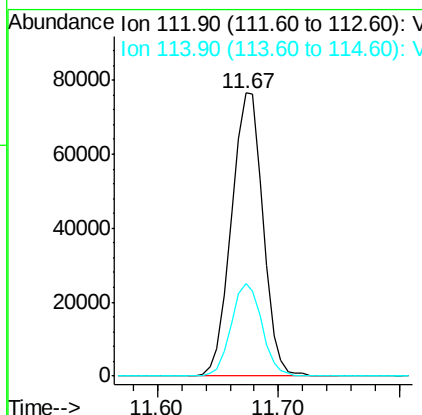
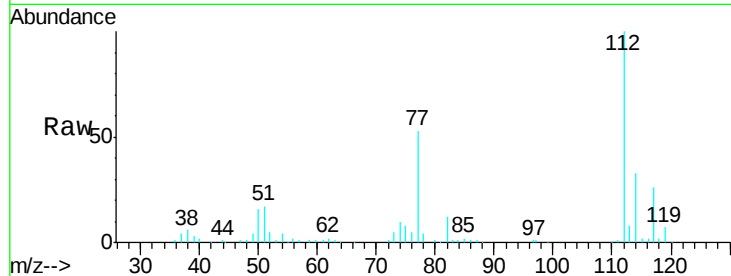
#65
Chlorobenzene
Concen: 20.527 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion:112 Resp: 139348
Ion Ratio Lower Upper
112 100
114 32.9 25.4 38.0

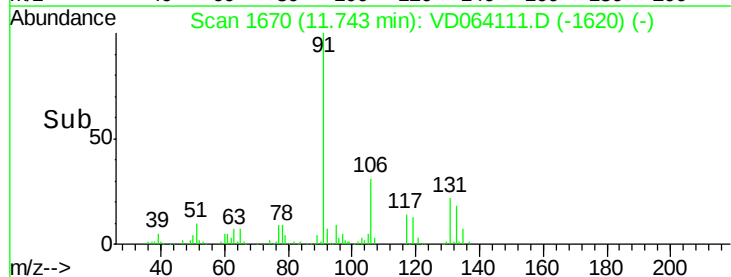
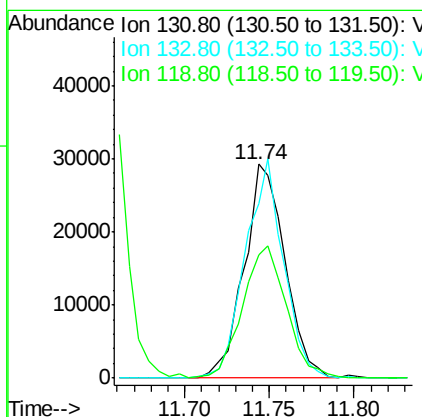
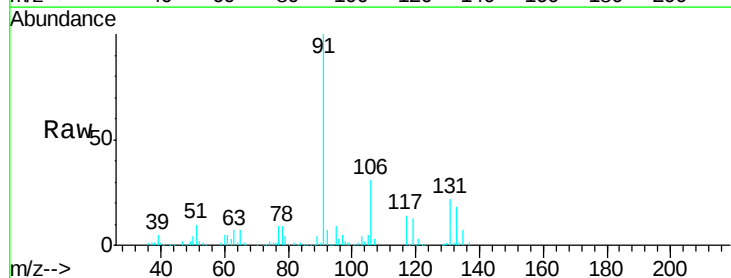
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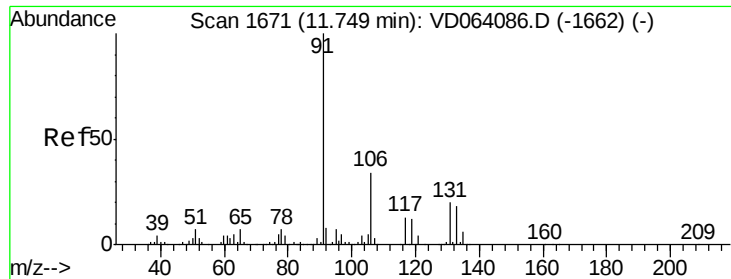
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.351 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion:131 Resp: 49155
Ion Ratio Lower Upper
131 100
133 95.9 47.6 142.9
119 66.4 31.4 94.3





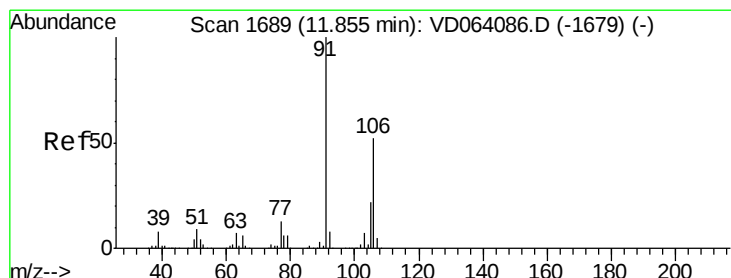
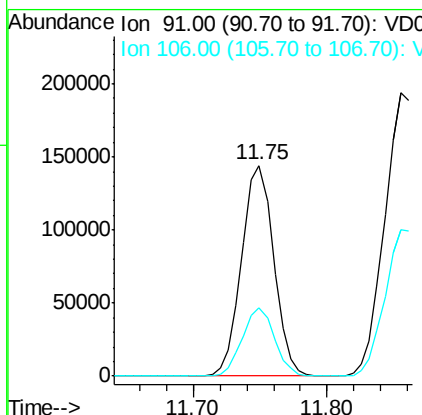
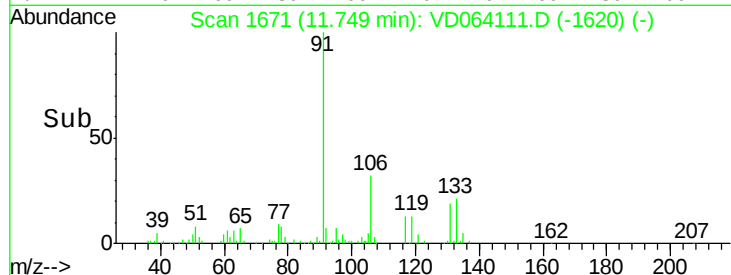
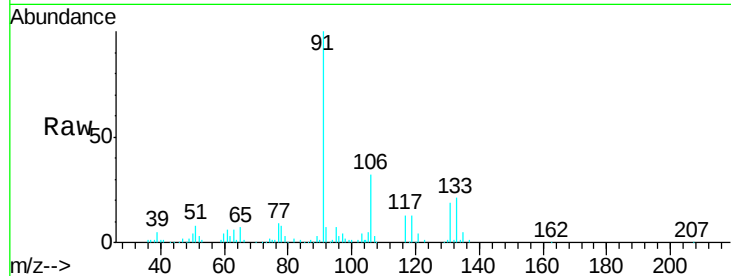
#67
Ethyl Benzene
Concen: 19.986 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion: 91 Resp: 241314
Ion Ratio Lower Upper
91 100
106 32.3 27.0 40.6

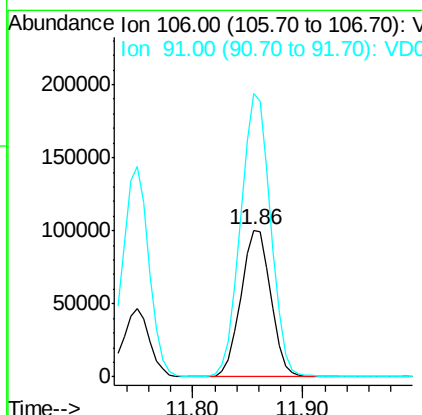
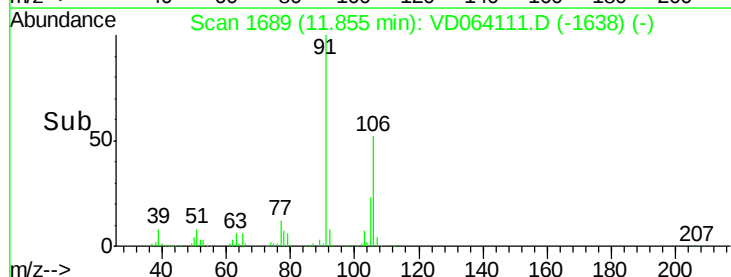
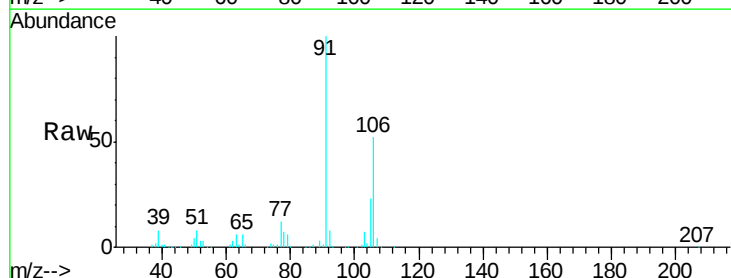
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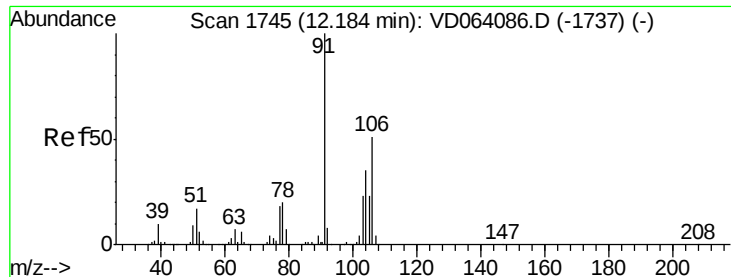
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#68
m/p-Xylenes
Concen: 39.534 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion: 106 Resp: 192003
Ion Ratio Lower Upper
106 100
91 192.8 154.0 231.0





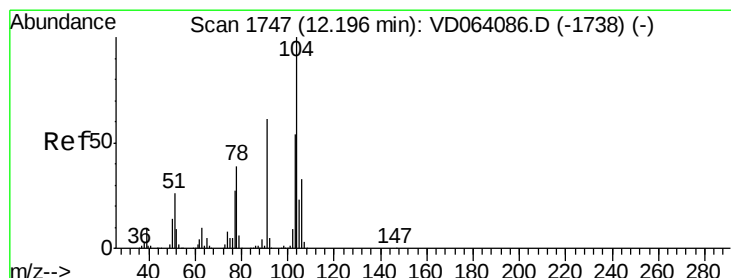
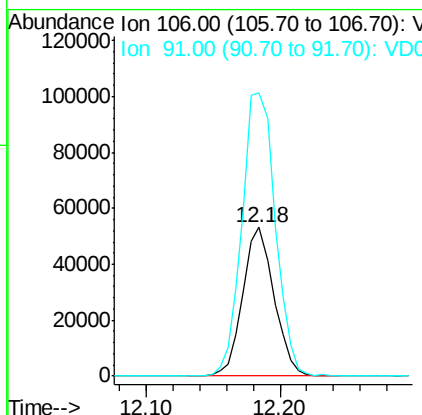
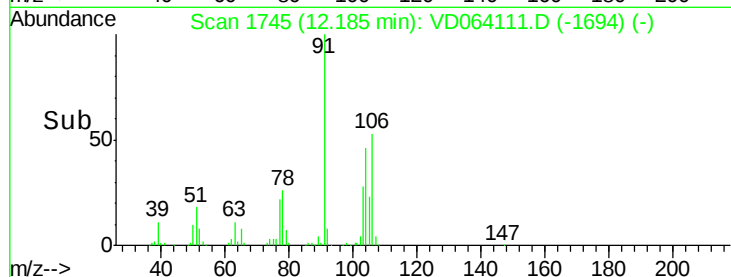
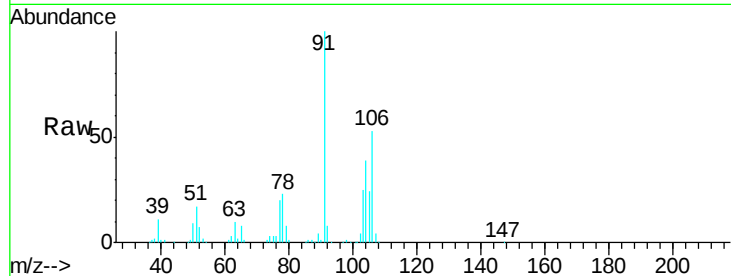
#69
o-Xylene
Concen: 19.413 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion:106 Resp: 86044
Ion Ratio Lower Upper
106 100
91 203.7 100.6 301.9

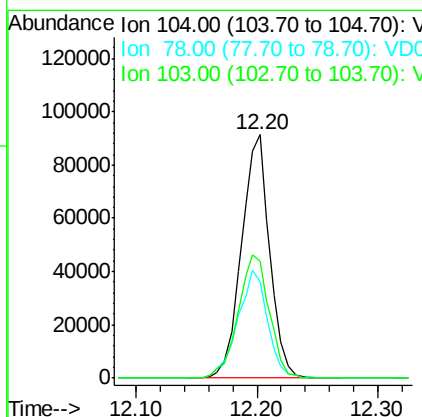
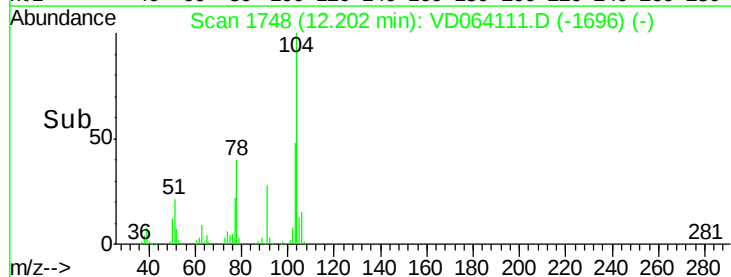
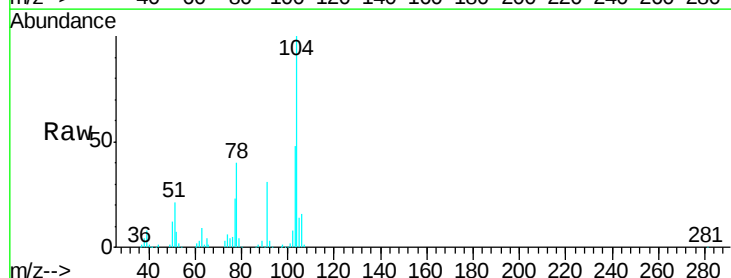
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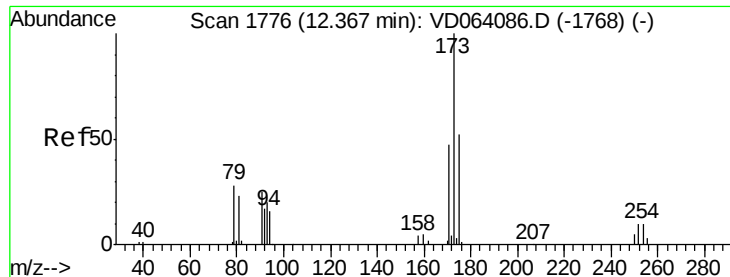
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#70
Styrene
Concen: 19.418 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion:104 Resp: 148436
Ion Ratio Lower Upper
104 100
78 47.0 34.6 51.8
103 55.9 44.2 66.2





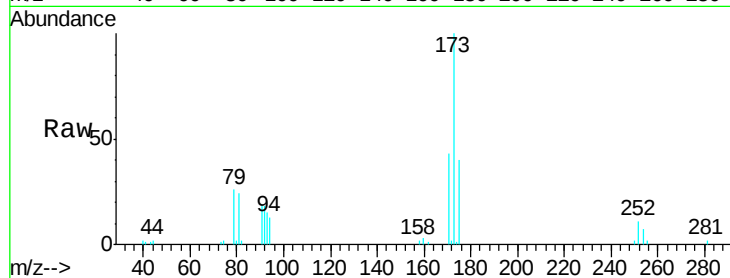
#71
Bromoform
Concen: 20.909 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

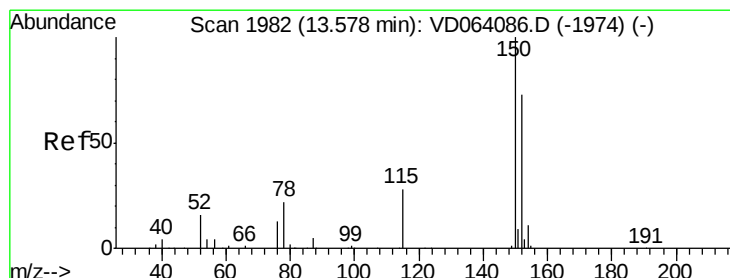
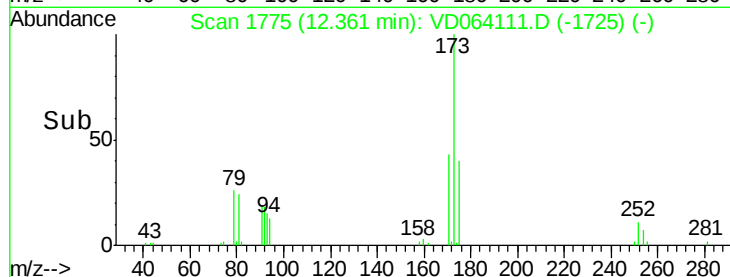
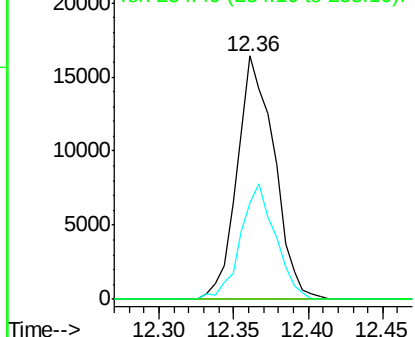
Tgt Ion	Ratio	Resp	Lower	Upper
173	100	28365		
175	44.2	24.3	72.9	
254	0.0	0.0	0.0	

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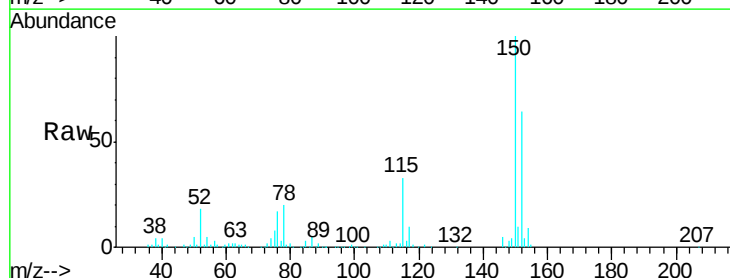


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

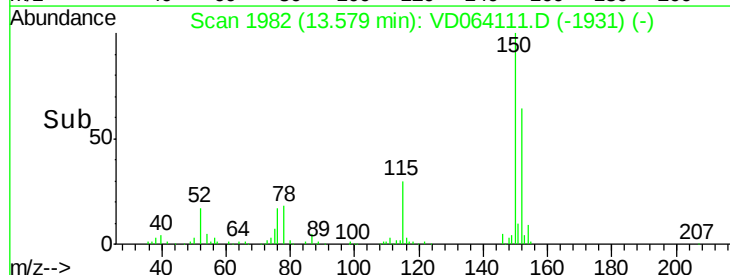
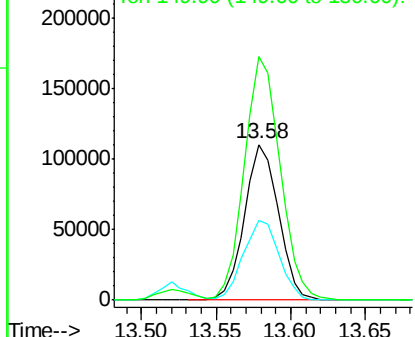


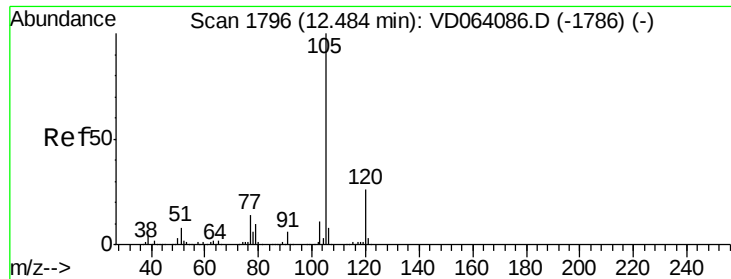
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	173833		
115	54.2	26.2	78.6	
150	165.1	0.0	338.8	



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 19.609 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 105 Resp: 236871

Ion Ratio Lower Upper

105 100

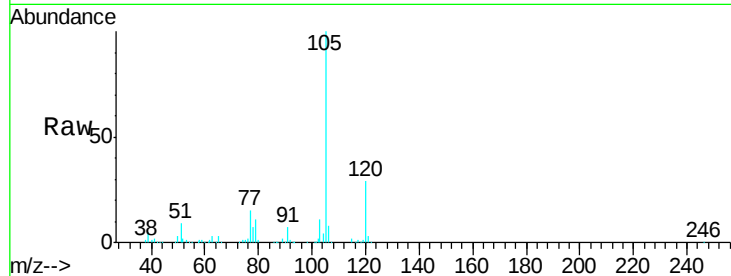
120 29.0 13.3 39.9

Manual Integrations

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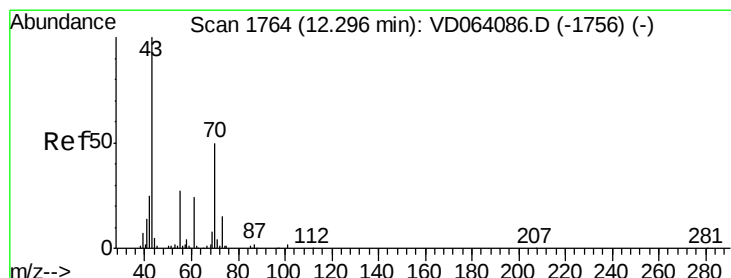
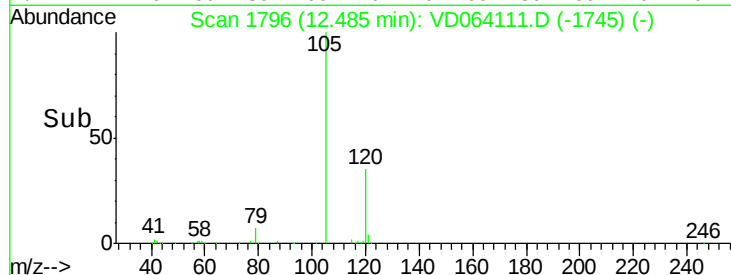
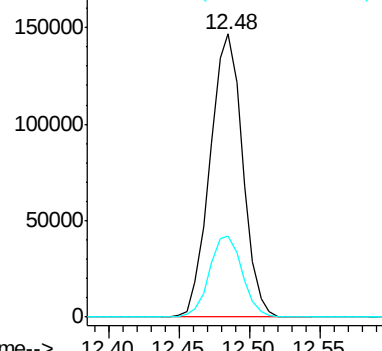
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.043 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion: 43 Resp: 40223

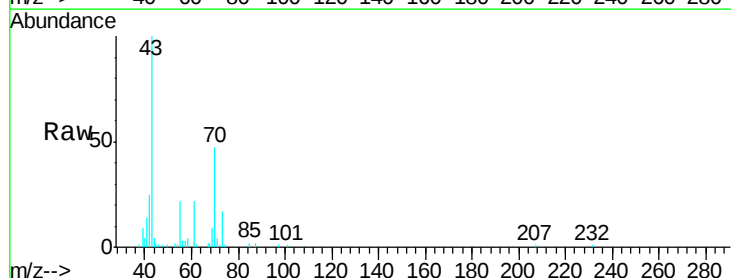
Ion Ratio Lower Upper

43 100

70 50.1 38.6 58.0

55 25.6 20.4 30.6

61 24.1 20.8 31.2

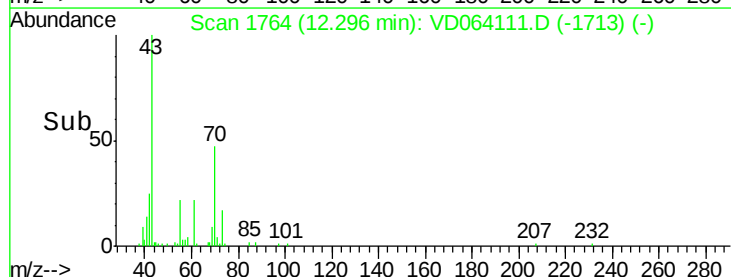
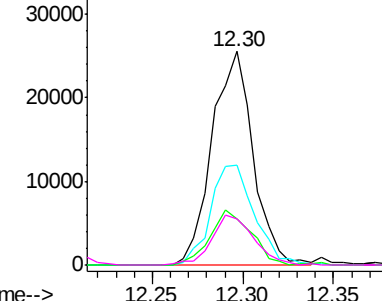


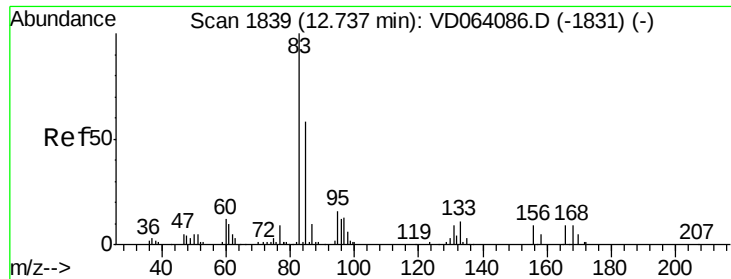
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 20.102 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

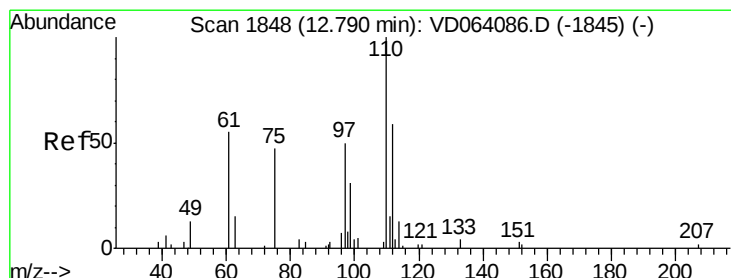
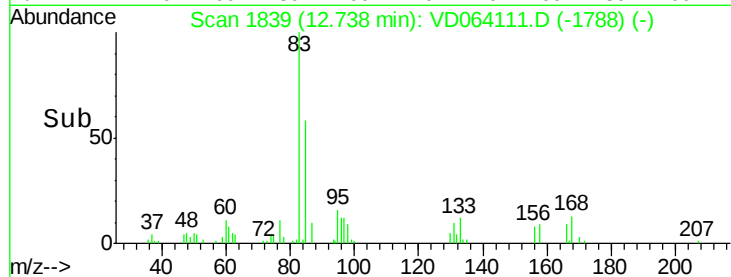
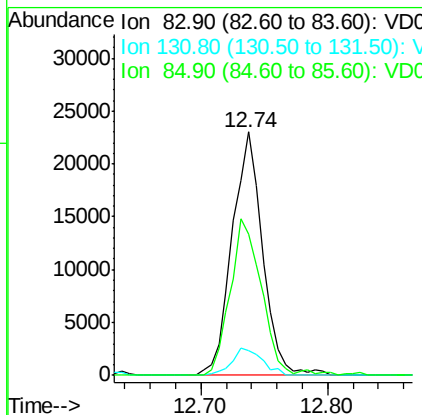
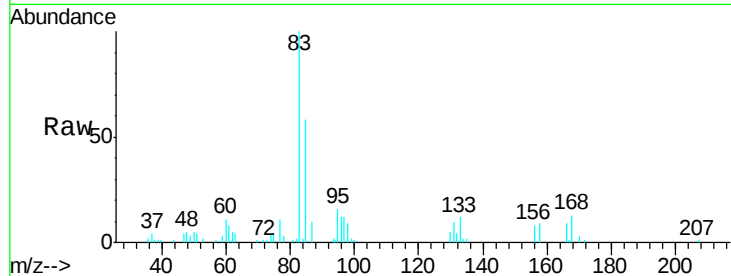
ClientSampleId :

VD1030SBS01

Tgt Ion:	83	Resp:	38274
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.7	17.0
85	65.3	32.1	96.5

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#76

1,2,3-Trichloropropane

Concen: 19.644 ug/l m

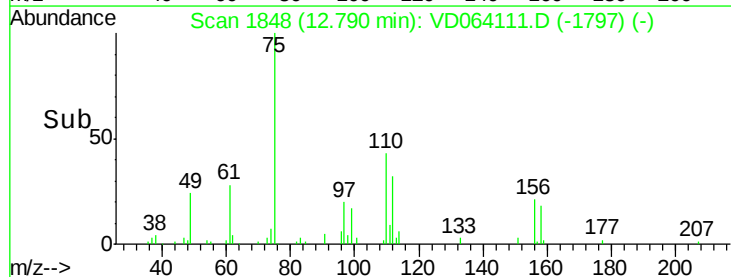
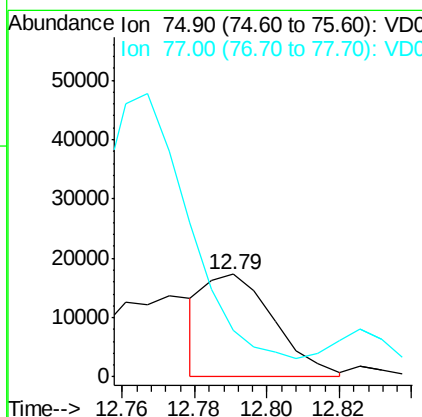
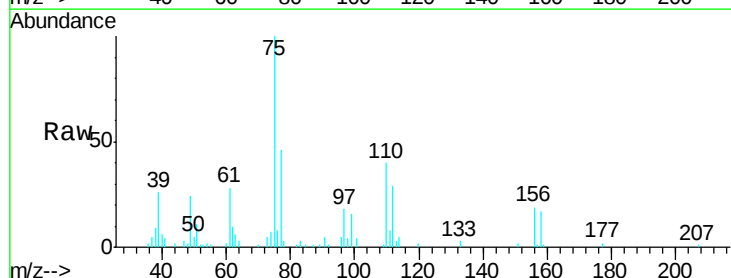
RT: 12.79 min Scan# 1848

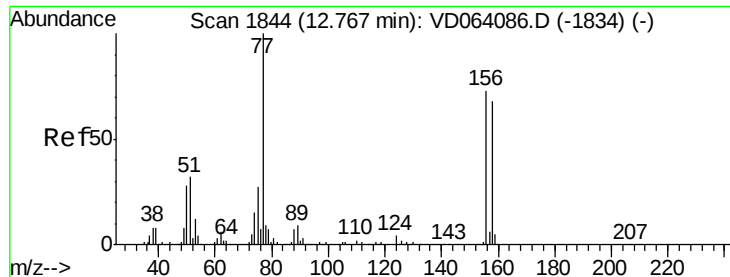
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion:	75	Resp:	22945
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.027 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

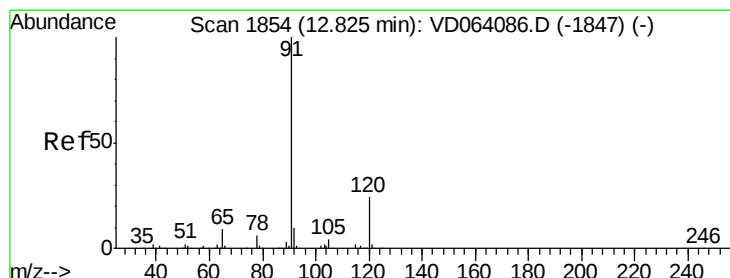
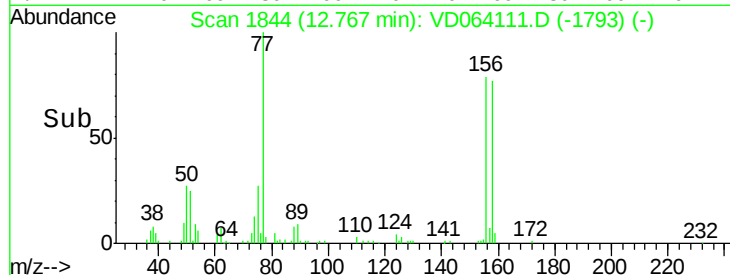
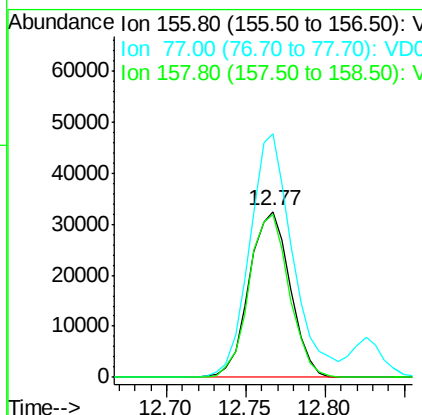
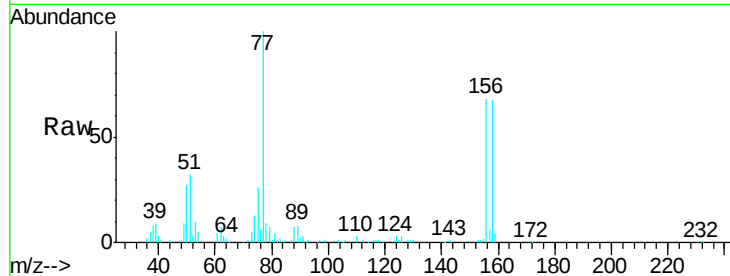
ClientSampleId :

VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	154.7	76.0	228.0
158	96.2	47.6	142.8

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#78

n-propylbenzene

Concen: 20.194 ug/l

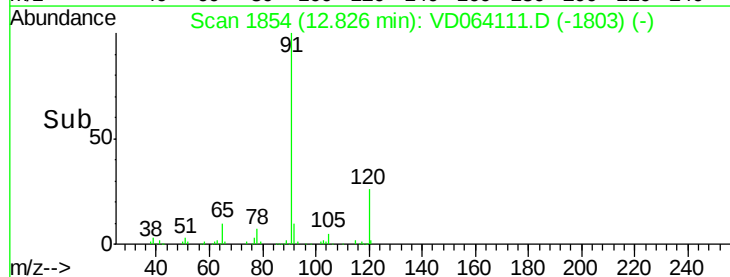
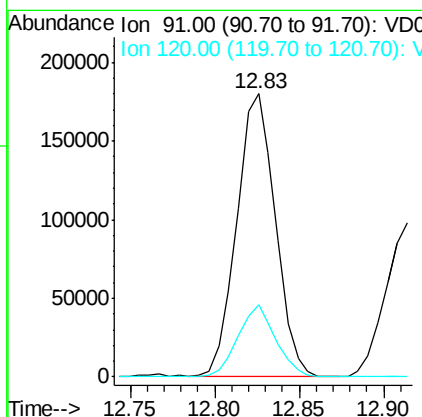
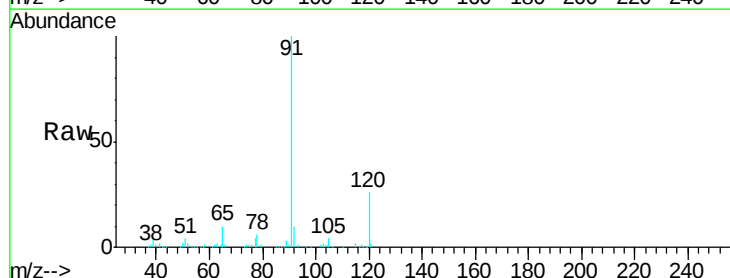
RT: 12.83 min Scan# 1854

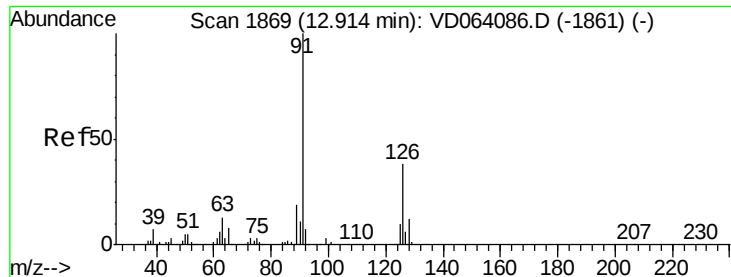
Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.8	12.1	36.3





#79

2-Chlorotoluene

Concen: 20.425 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion: 91 Resp: 154991

Ion Ratio Lower Upper

91 100

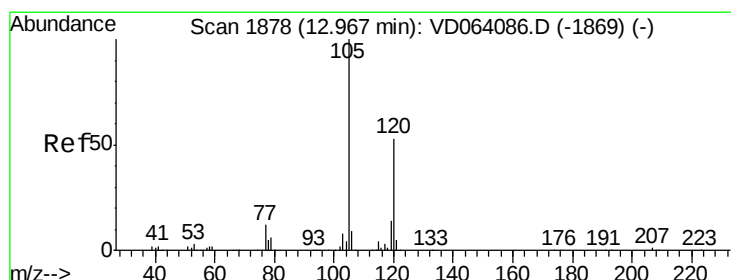
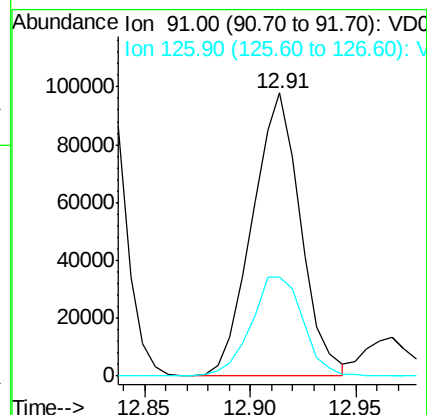
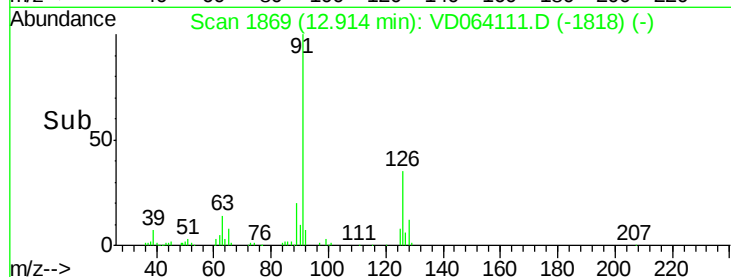
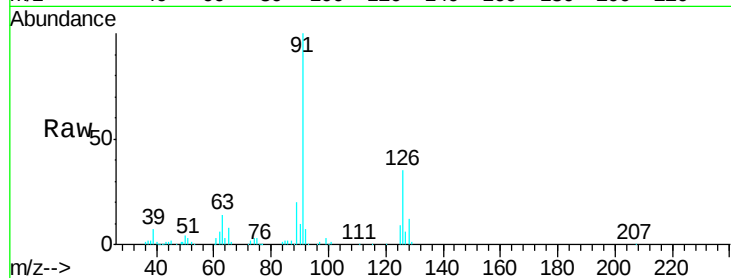
126 37.6 19.1 57.1

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 19.849 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064111.D

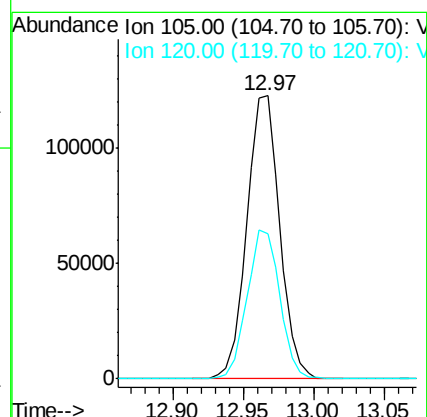
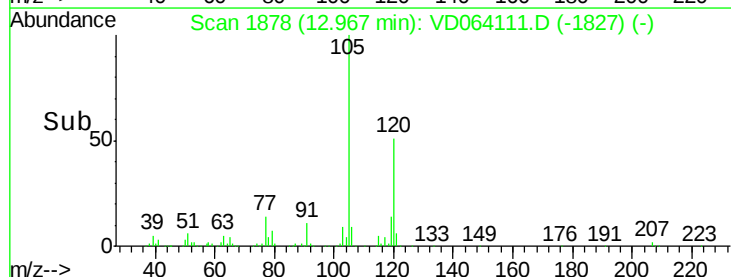
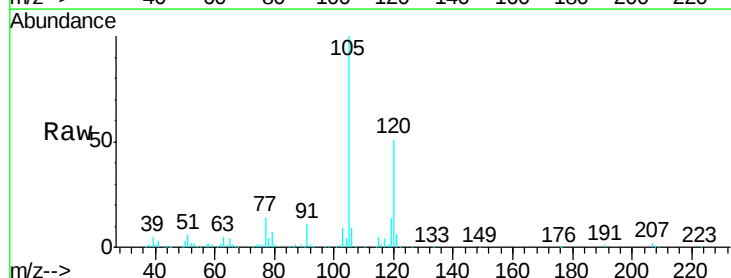
Acq: 30 Oct 2019 13:23

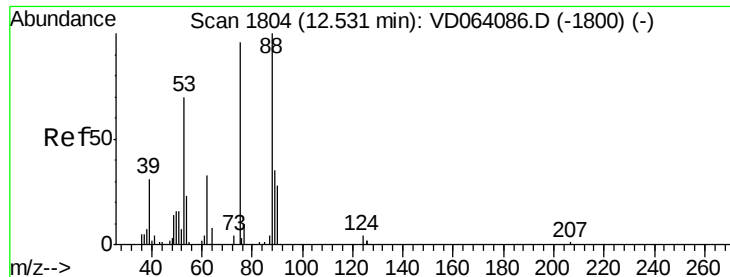
Tgt Ion: 105 Resp: 200669

Ion Ratio Lower Upper

105 100

120 52.6 25.8 77.4





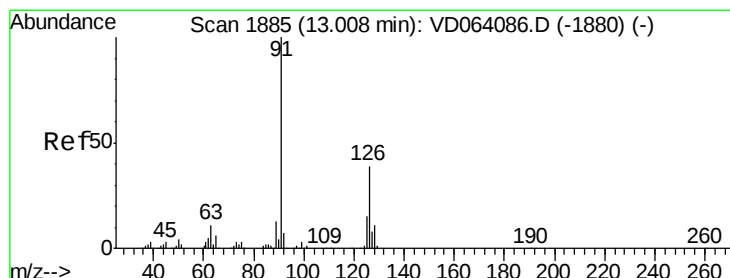
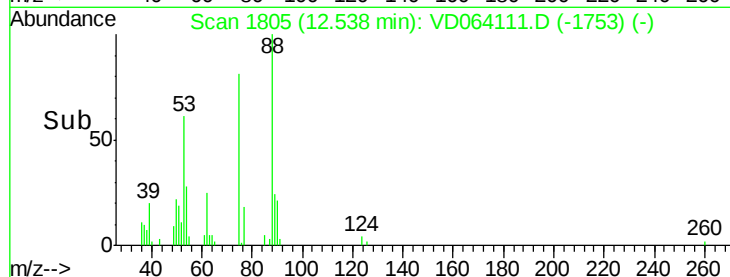
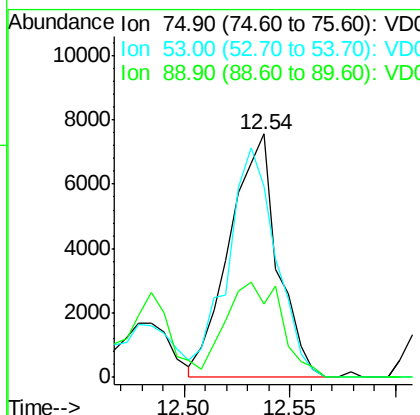
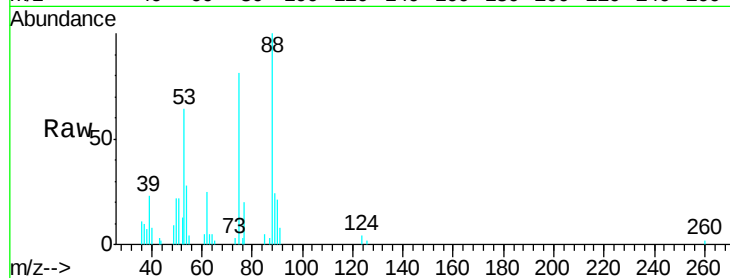
#81
trans-1,4-Dichloro-2-butene
Concen: 20.818 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBSD01

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.7	68.6	103.0
89	45.4	36.9	55.3

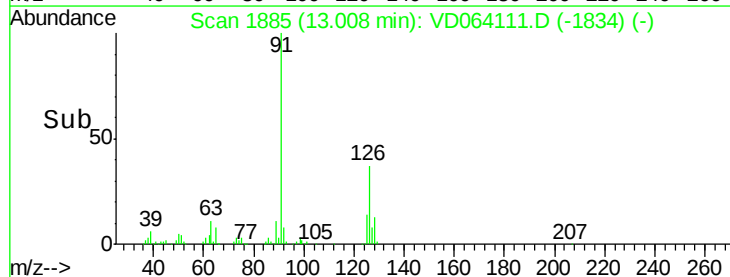
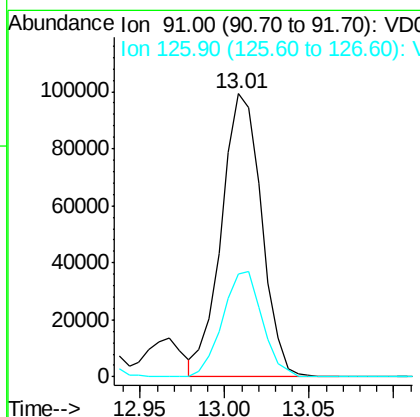
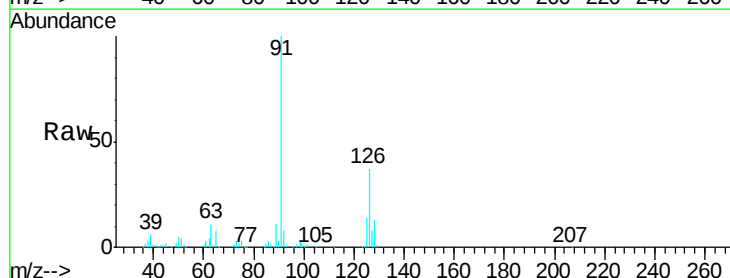
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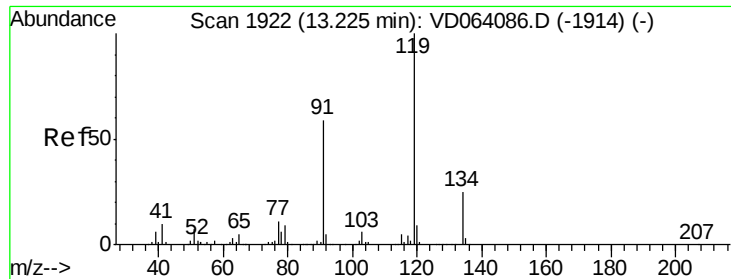
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#82
4-Chlorotoluene
Concen: 20.224 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.0	18.9	56.5





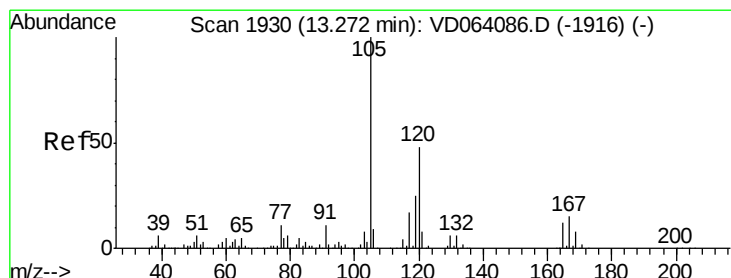
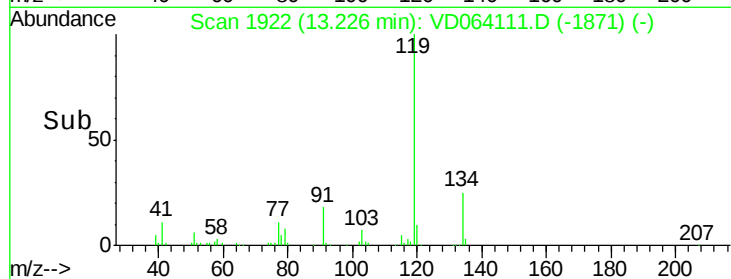
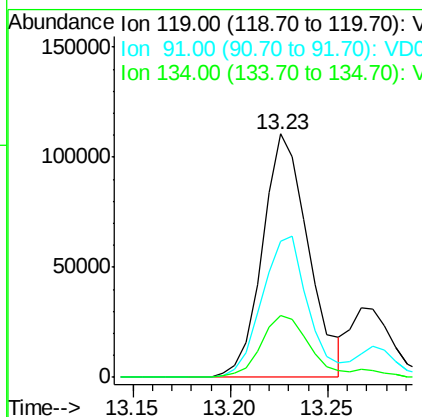
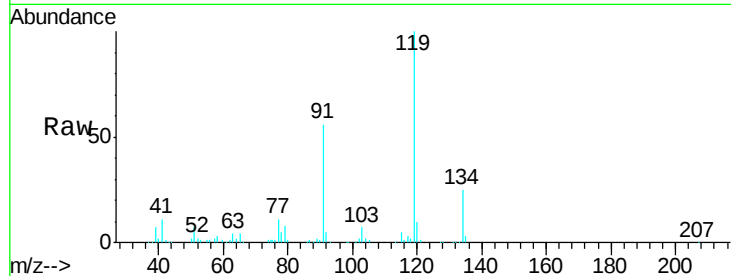
#83
tert-Butylbenzene
Concen: 19.849 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
119	100		
91	57.9	28.3	85.0
134	26.8	12.9	38.6

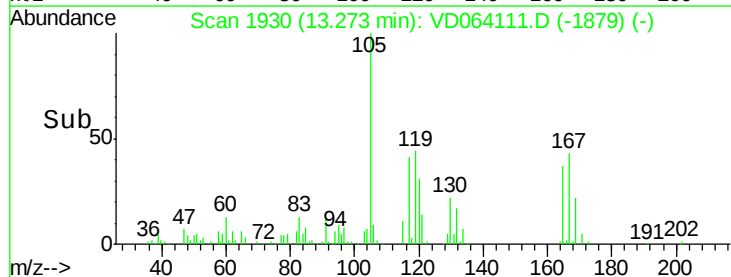
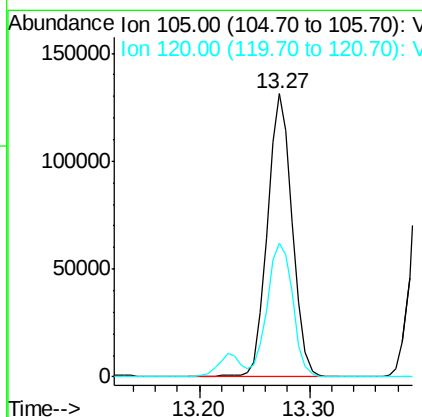
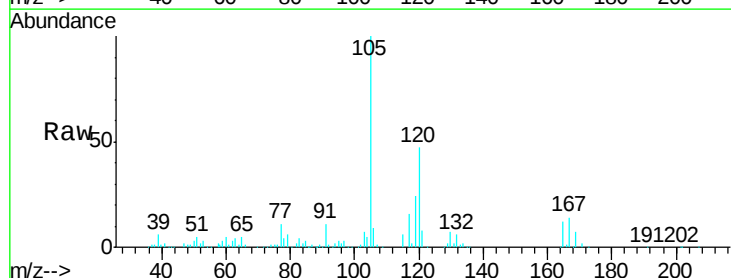
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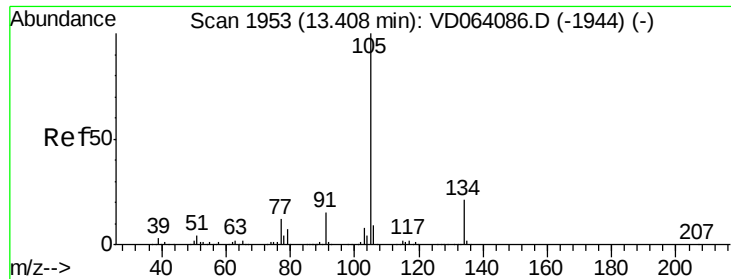
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#84
1,2,4-Trimethylbenzene
Concen: 20.221 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	48.8	24.1	72.4





#85

sec-Butylbenzene

Concen: 19.941 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tgt Ion:105 Resp: 248666

Ion Ratio Lower Upper

105 100

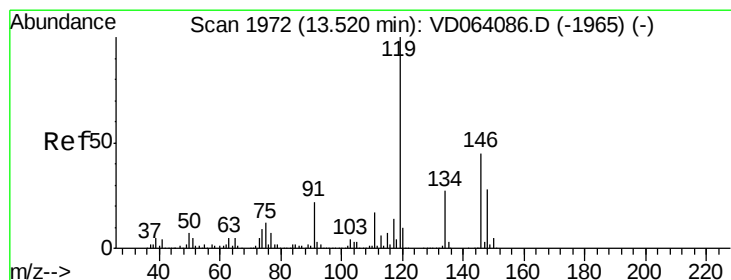
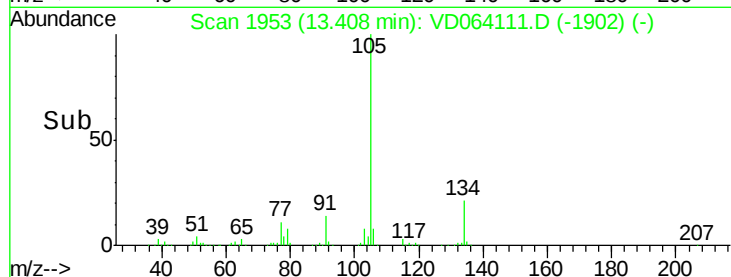
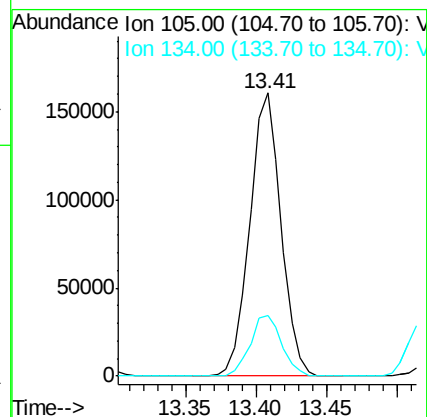
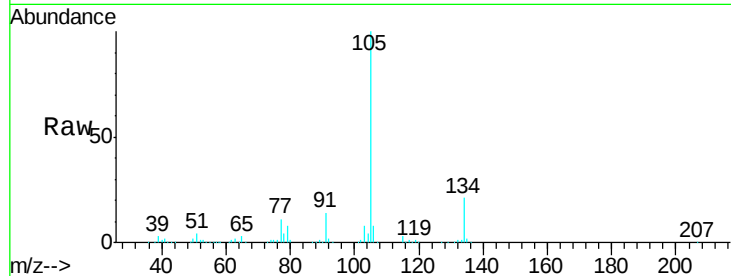
134 21.9 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 19.947 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064111.D

Acq: 30 Oct 2019 13:23

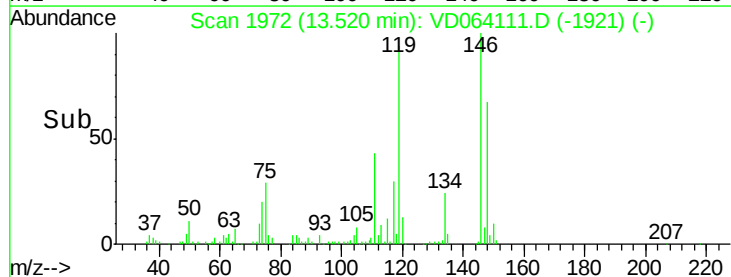
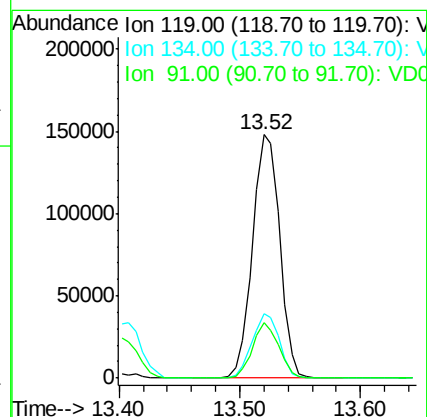
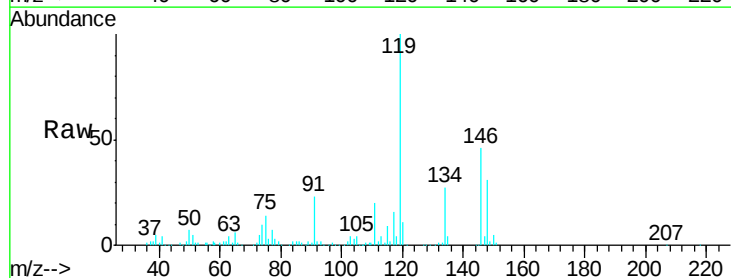
Tgt Ion:119 Resp: 233706

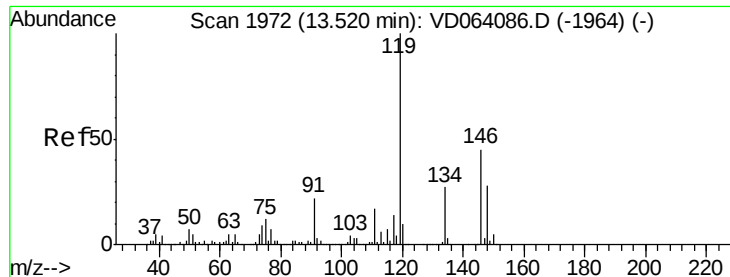
Ion Ratio Lower Upper

119 100

134 26.5 13.6 40.8

91 22.0 10.9 32.6





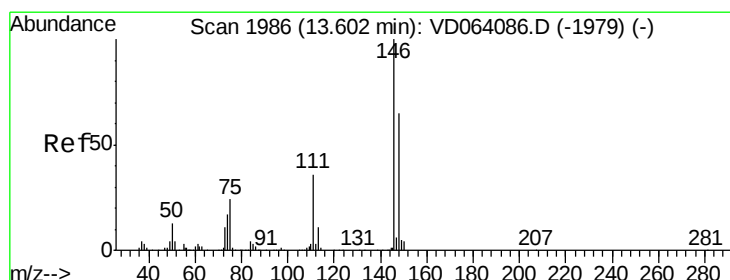
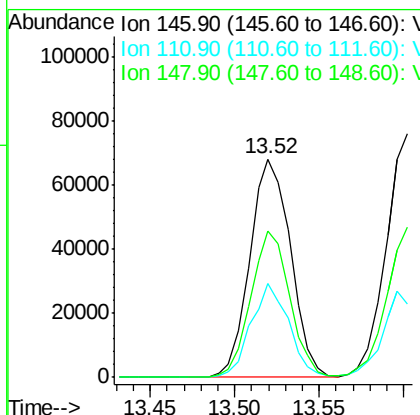
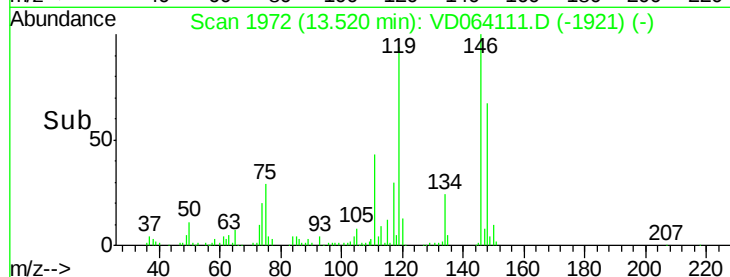
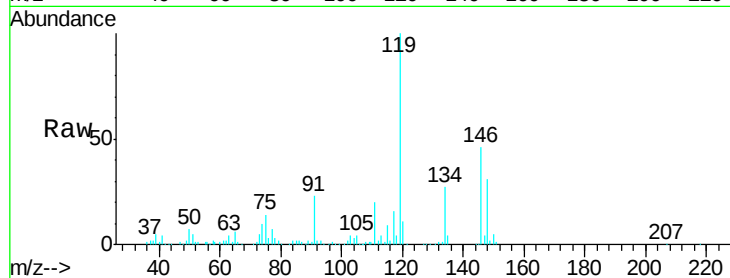
#87
 1,3-Dichlorobenzene
 Concen: 19.566 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	114357		
111	39.8	18.9	56.9	
148	64.4	32.1	96.3	

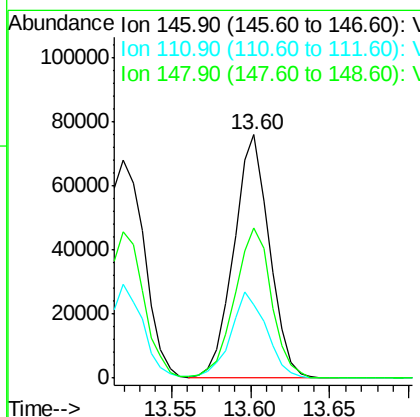
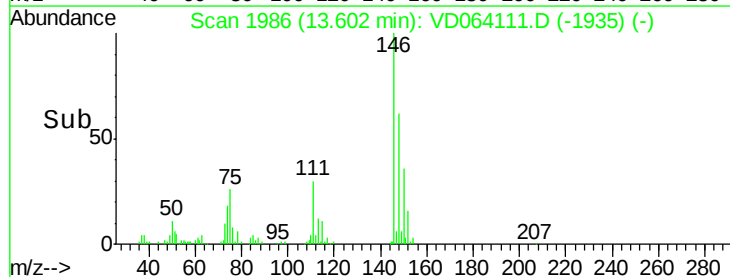
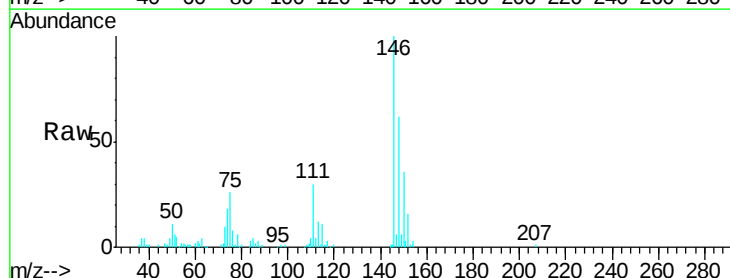
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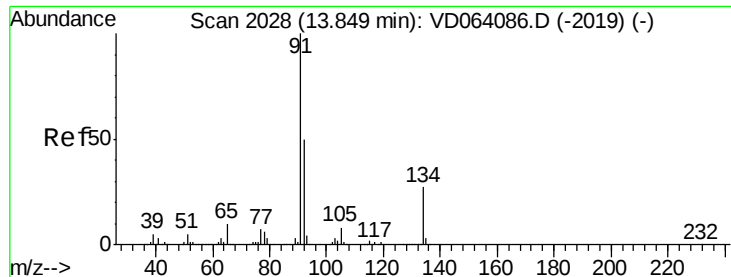
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#88
 1,4-Dichlorobenzene
 Concen: 20.557 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	118439		
111	35.6	18.4	55.4	
148	64.2	32.4	97.0	





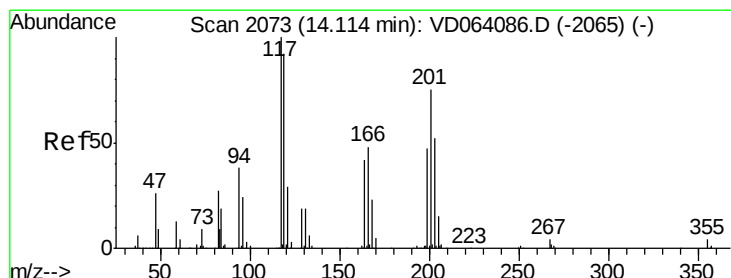
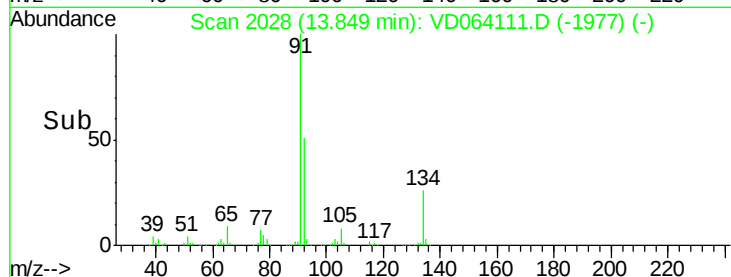
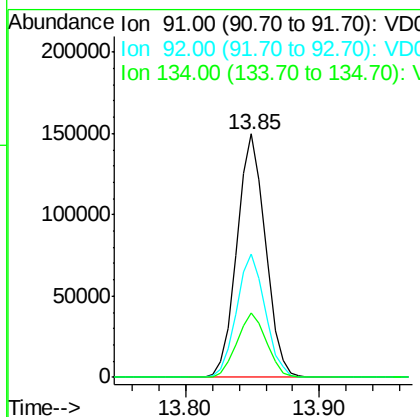
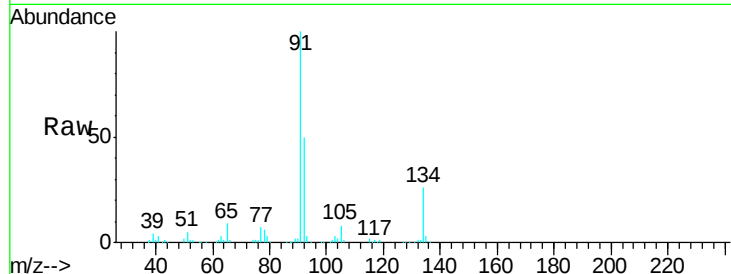
#89
n-Butylbenzene
Concen: 20.522 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	50.9	25.6	76.6
134	27.1	14.0	42.0

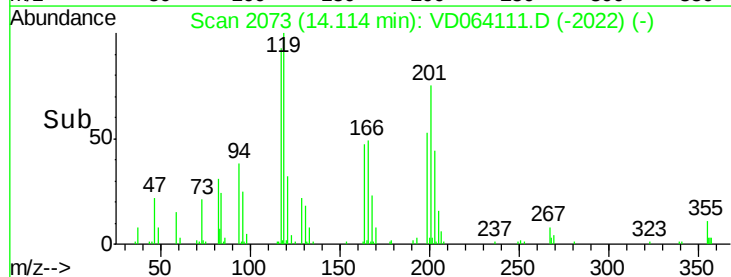
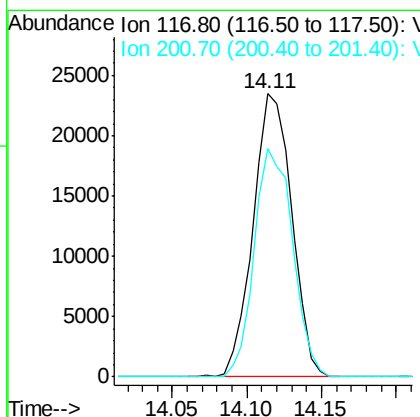
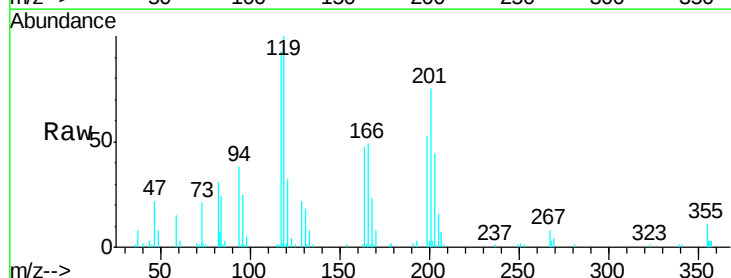
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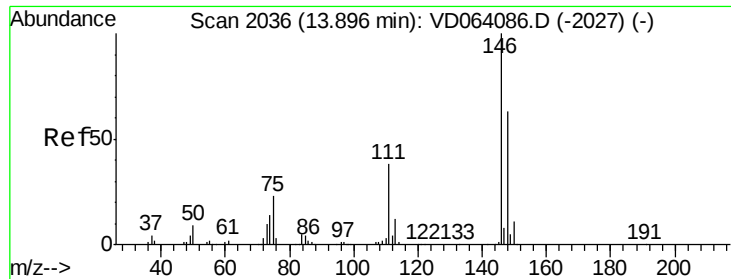
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#90
Hexachloroethane
Concen: 19.197 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	38.4	115.2





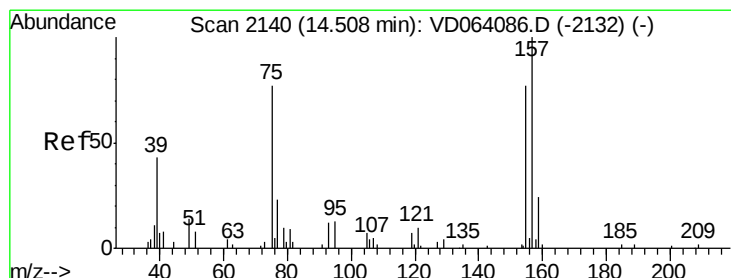
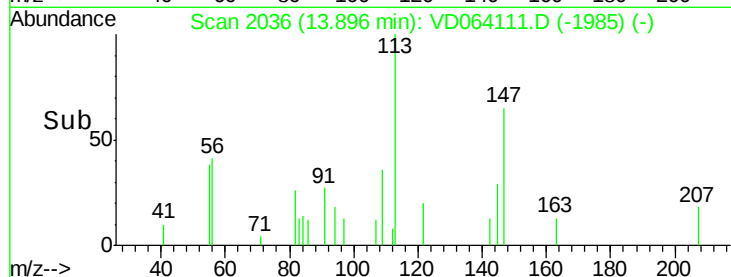
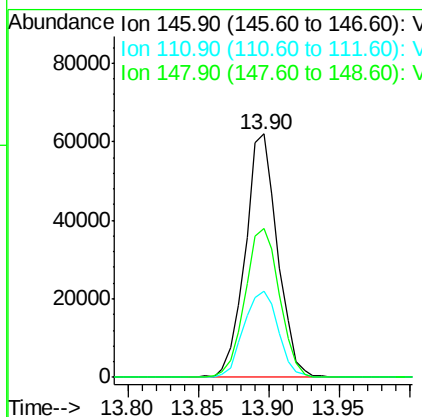
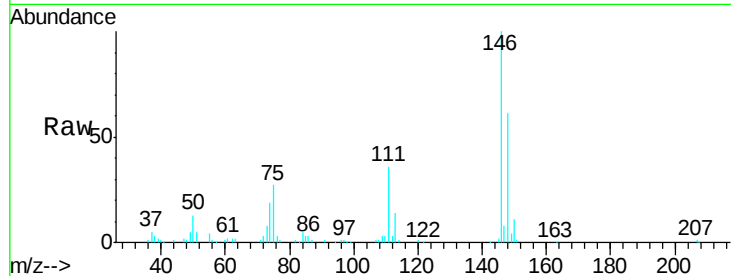
#91
 1,2-Dichlorobenzene
 Concen: 19.753 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBSD01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.9	19.1	57.1
148	65.3	32.1	96.5

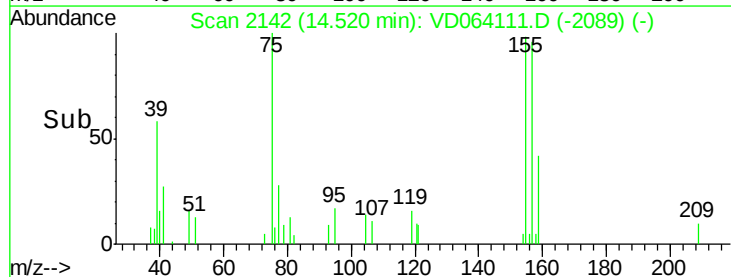
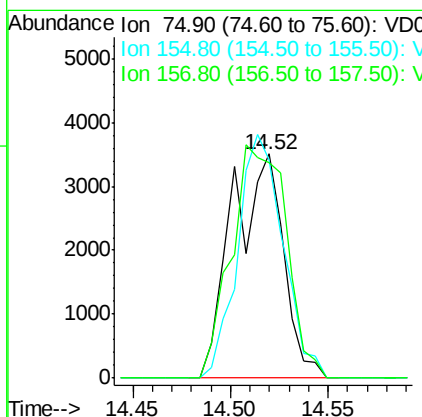
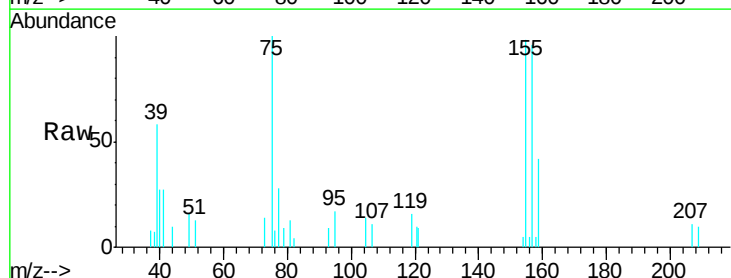
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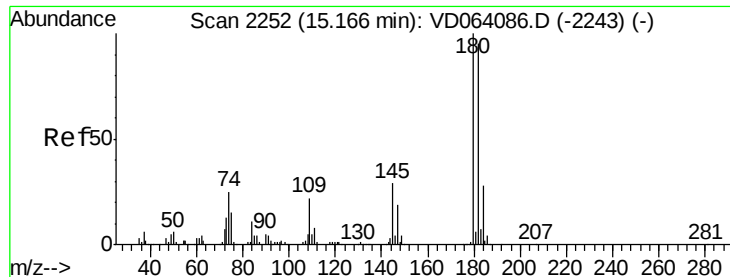
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.954 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.1	56.3	168.9
157	111.2	72.2	216.6





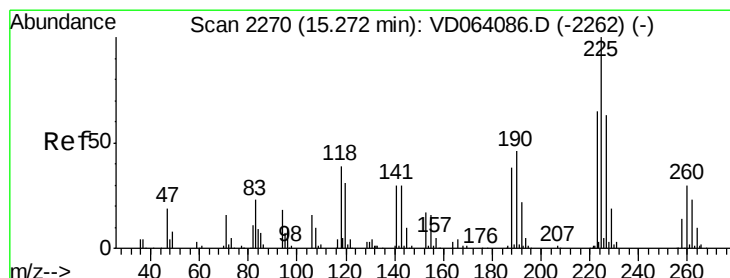
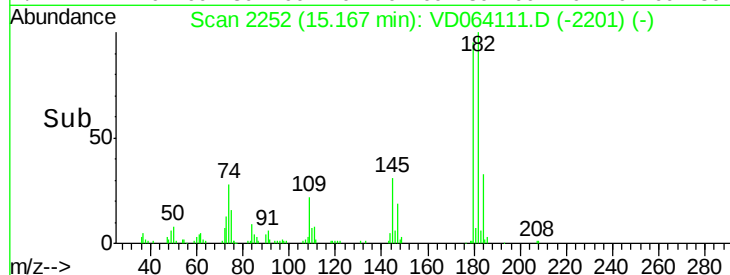
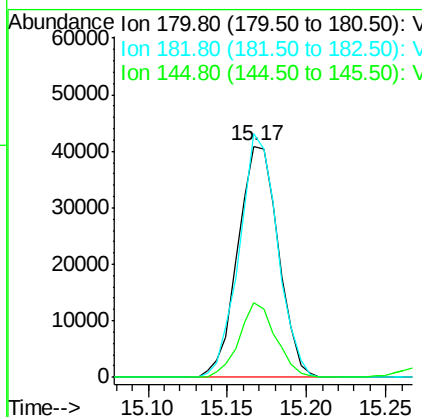
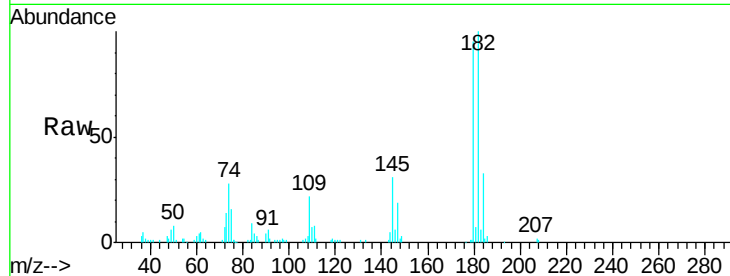
#93
 1,2,4-Trichlorobenzene
 Concen: 20.075 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.1	46.9	140.7	
145	29.4	14.2	42.6	

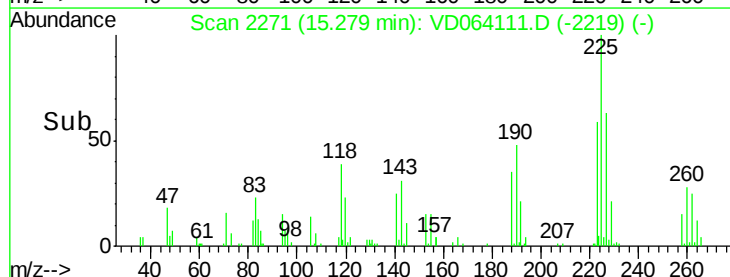
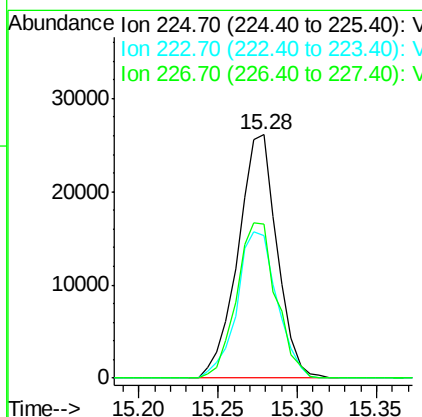
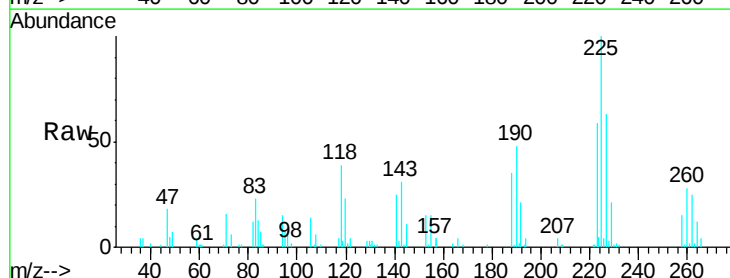
Manual Integrations
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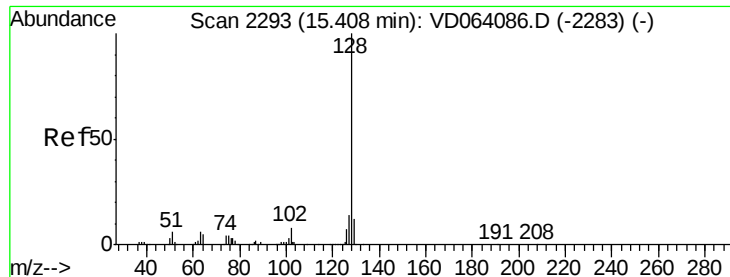
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#94
 Hexachlorobutadiene
 Concen: 21.109 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064111.D
 Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	61.7	30.8	92.3	
227	64.5	31.7	95.1	





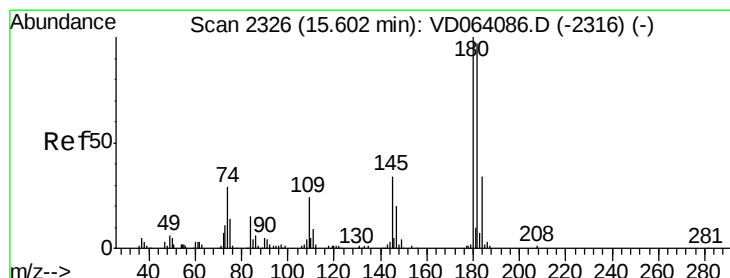
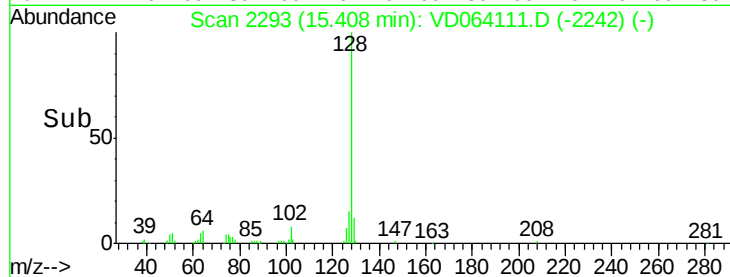
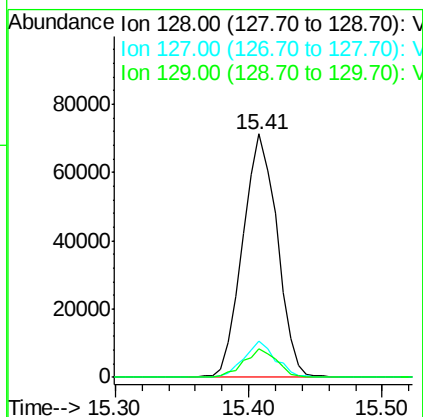
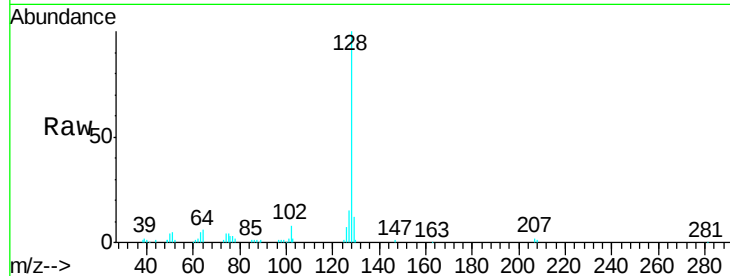
#95
Naphthalene
Concen: 21.590 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	127311		
127	13.7	10.9	16.3	
129	10.9	8.8	13.2	

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.574 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064111.D
Acq: 30 Oct 2019 13:23

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	64435		
182	96.1	48.4	145.0	
145	31.2	16.4	49.4	

