

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111219\
 Data File : VD064199.D
 Acq On : 12 Nov 2019 16:36
 Operator : VA/SY
 Sample : VD1112SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 9:39:01 AM

Quant Time: Nov 13 04:30:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	586943	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	855791	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	750024	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	368112	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	236822	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
35) Dibromofluoromethane	7.92	113	235910	48.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.04%	
50) Toluene-d8	10.34	98	890424	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	
62) 4-Bromofluorobenzene	12.64	95	295553	46.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	90914	18.676	ug/l	99
3) Chloromethane	2.21	50	112564	21.558	ug/l	99
4) Vinyl Chloride	2.35	62	122899	22.010	ug/l	98
5) Bromomethane	2.76	94	83119	23.574	ug/l	98
6) Chloroethane	2.92	64	84716	23.744	ug/l	97
7) Trichlorofluoromethane	3.27	101	204498	22.589	ug/l	99
8) Diethyl Ether	3.70	74	51134	20.543	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	99936	19.314	ug/l	98
10) Methyl Iodide	4.29	142	96999	17.787	ug/l	97
11) Tert butyl alcohol	5.24	59	37299m	110.626	ug/l	
12) 1,1-Dichloroethene	4.06	96	98319	19.935	ug/l	95
13) Acrolein	3.93	56	24341	85.338	ug/l	97
14) Allyl chloride	4.71	41	168945	19.374	ug/l	96
15) Acrylonitrile	5.44	53	110717	104.335	ug/l	99
16) Acetone	4.17	43	101510	88.765	ug/l	94
17) Carbon Disulfide	4.40	76	296389	19.297	ug/l	99
18) Methyl Acetate	4.73	43	63000	19.724	ug/l	97
19) Methyl tert-butyl Ether	5.49	73	237043	20.133	ug/l	99
20) Methylene Chloride	4.96	84	114068	19.747	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	113322	20.280	ug/l	92
22) Diisopropyl ether	6.37	45	318662	19.695	ug/l	99
23) Vinyl Acetate	6.31	43	922638	102.301	ug/l	99
24) 1,1-Dichloroethane	6.27	63	186724	19.876	ug/l	98
25) 2-Butanone	7.23	43	151243	102.368	ug/l	98
26) 2,2-Dichloropropane	7.21	77	177902	19.310	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124151	20.719	ug/l	94
28) Bromochloromethane	7.56	49	56696	17.335	ug/l	98
29) Tetrahydrofuran	7.57	42	95399	107.470	ug/l	99
30) Chloroform	7.71	83	208732	21.722	ug/l	99
31) Cyclohexane	7.98	56	176381	18.617	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	181496	19.725	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152926	19.362	ug/l	99
37) Ethyl Acetate	7.30	43	64639	19.413	ug/l	99
38) Carbon Tetrachloride	8.10	117	161673	19.130	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	184603	18.471	ug/l	94
40) Benzene	8.36	78	419952	19.455	ug/l	97
41) Methacrylonitrile	7.53	41	42718	20.412	ug/l	93
42) 1,2-Dichloroethane	8.43	62	126232	19.471	ug/l	96
43) Isopropyl Acetate	8.46	43	134571	19.615	ug/l	97
44) Trichloroethene	9.11	130	130212	20.099	ug/l	99
45) 1,2-Dichloropropane	9.39	63	102540	19.517	ug/l	98
46) Dibromomethane	9.48	93	56080	19.938	ug/l	97
47) Bromodichloromethane	9.67	83	148578	19.610	ug/l	98
48) Methyl methacrylate	9.46	41	64212	19.141	ug/l	98
49) 1,4-Dioxane	9.47	88	14047	415.826	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	326098	99.120	ug/l	100
52) Toluene	10.41	92	269190	18.965	ug/l	95
53) t-1,3-Dichloropropene	10.63	75	147240	19.398	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	170700	19.272	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	78661	20.615	ug/l	98
56) Ethyl methacrylate	10.67	69	104037	19.491	ug/l	97
57) 1,3-Dichloropropane	10.95	76	134744	20.248	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	215348	99.599	ug/l	99
59) 2-Hexanone	10.99	43	229925	98.233	ug/l	99
60) Dibromochloromethane	11.14	129	106701	20.040	ug/l	98
61) 1,2-Dibromoethane	11.25	107	76298	19.964	ug/l	98
64) Tetrachloroethene	10.88	164	111846	19.390	ug/l	97
65) Chlorobenzene	11.67	112	292521	19.179	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	113354	19.546	ug/l	98
67) Ethyl Benzene	11.75	91	535119	19.397	ug/l	99
68) m/p-Xylenes	11.86	106	408881	38.667	ug/l	97
69) o-Xylene	12.18	106	189942	19.368	ug/l	99
70) Styrene	12.20	104	325098	18.990	ug/l	99
71) Bromoform	12.37	173	66073	20.019	ug/l #	100
73) Isopropylbenzene	12.48	105	509817	18.869	ug/l	100
74) N-amyl acetate	12.29	43	121418	19.029	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	81713	20.070	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	52002m	17.538	ug/l	
77) Bromobenzene	12.77	156	125968	19.190	ug/l	99
78) n-propylbenzene	12.83	91	589832	19.107	ug/l	99
79) 2-Chlorotoluene	12.91	91	325846	18.696	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	421868	19.002	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	26530	17.774	ug/l	95
82) 4-Chlorotoluene	13.01	91	341181	18.769	ug/l	98
83) tert-Butylbenzene	13.23	119	369394	18.869	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	415813	18.970	ug/l	100
85) sec-Butylbenzene	13.41	105	491944	18.710	ug/l	100
86) p-Isopropyltoluene	13.52	119	465039	18.603	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	236486	19.408	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	232471	19.548	ug/l	100
89) n-Butylbenzene	13.85	91	427937	18.949	ug/l	99
90) Hexachloroethane	14.12	117	86674	18.762	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	202154	19.601	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13444	18.469	ug/l	98

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ClientSampleId :
VD1112SBSD01

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QLast Update : Tue Nov 12 02:43:24 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	157289	19.770	ug/l	99
94) Hexachlorobutadiene	15.28	225	97368	18.948	ug/l	99
95) Naphthalene	15.41	128	276797	21.224	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	132745	19.629	ug/l	99

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

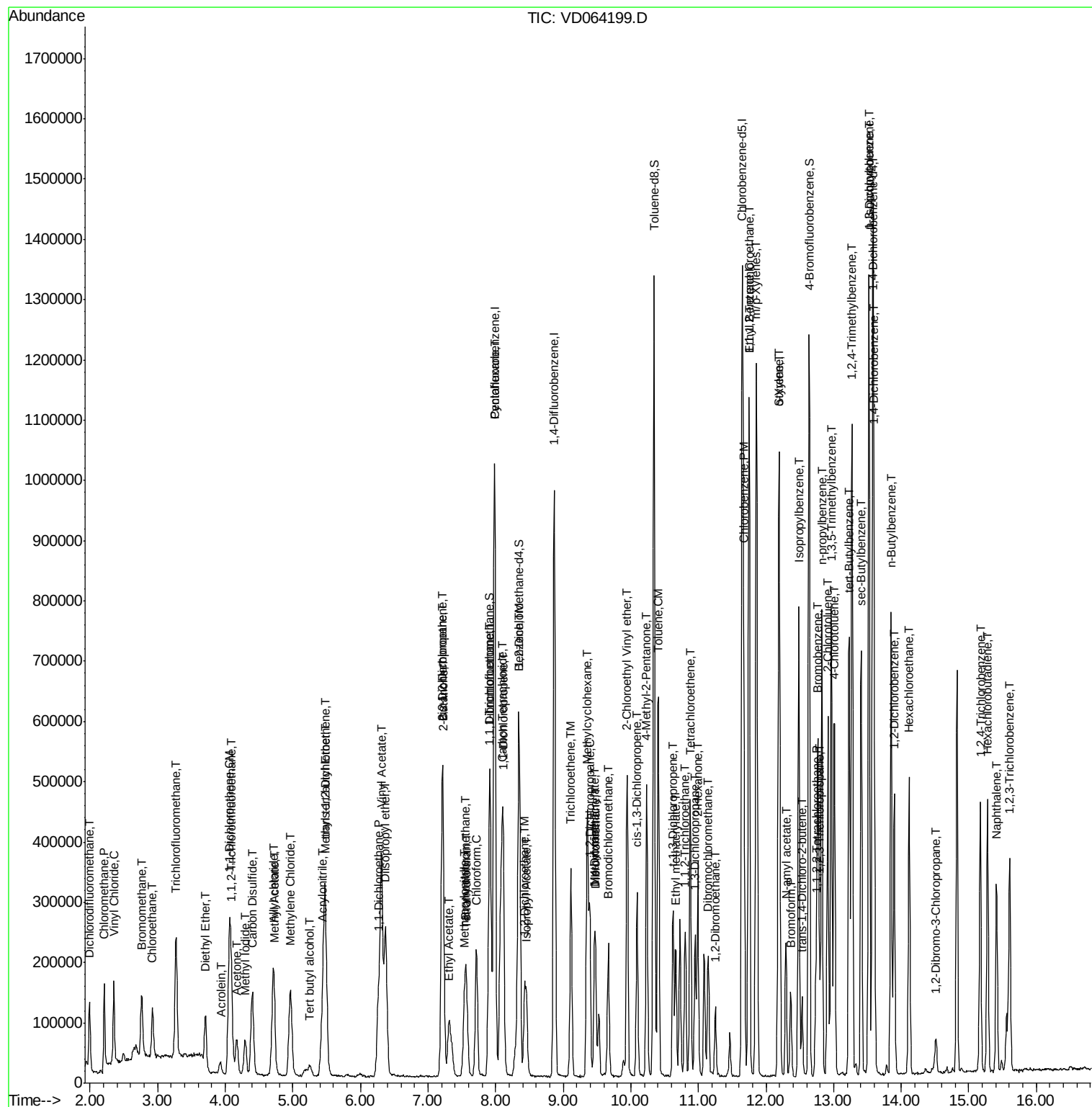
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 Data File : VD064199.D
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 Operator : VA/SY
 Sample : VD1112SBSD01
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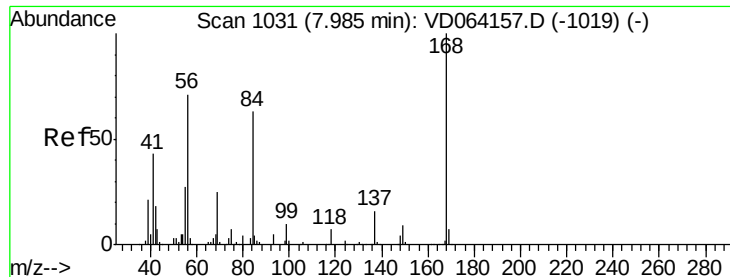
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion:168 Resp: 586943

Ion Ratio Lower Upper

168 100

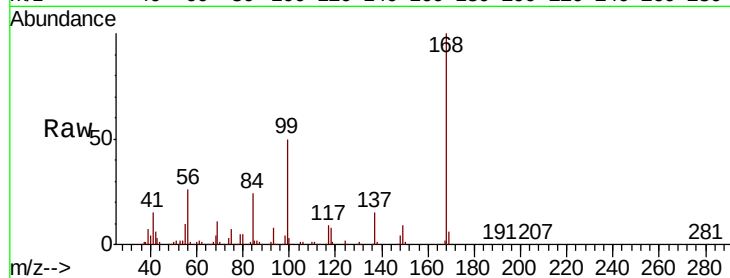
99 49.8 41.6 62.4

Manual Integrations

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11/13/2019 9:39:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

150000

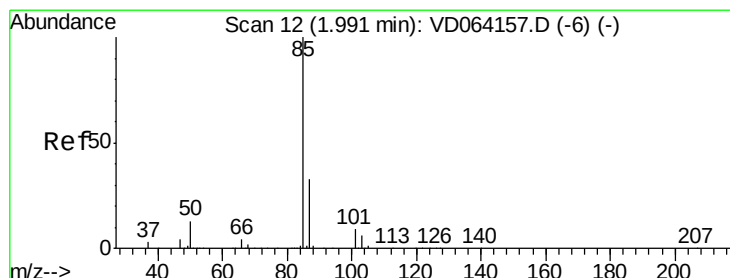
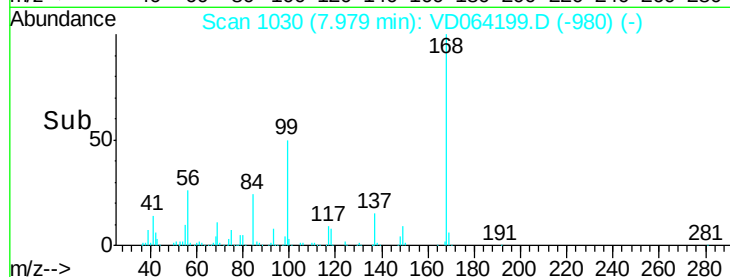
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.676 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064199.D

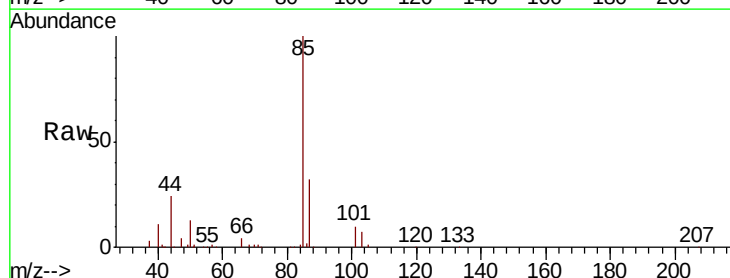
Acq: 12 Nov 2019 16:36

Tgt Ion: 85 Resp: 90914

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

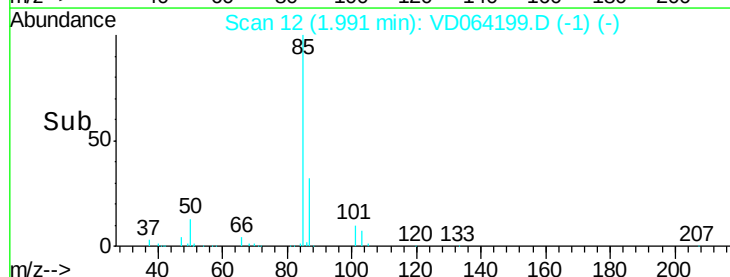
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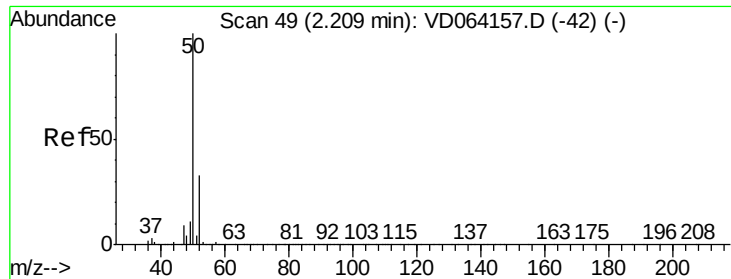
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 21.558 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion: 50 Resp: 112564

Ion Ratio Lower Upper

50 100

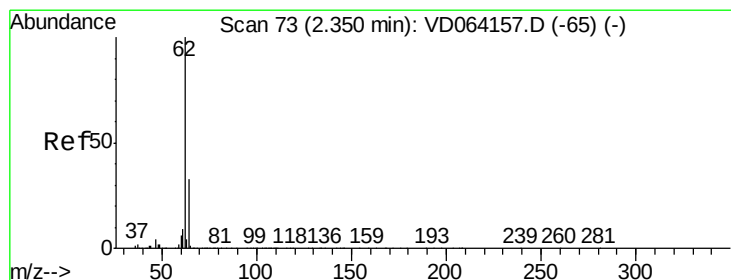
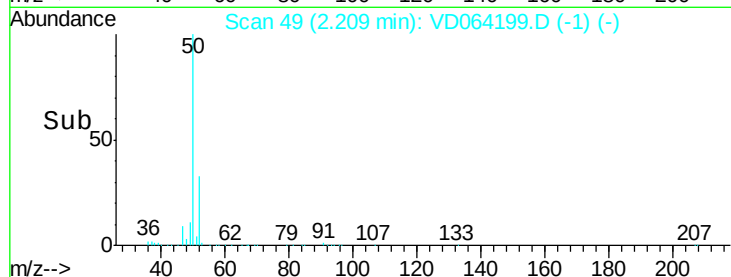
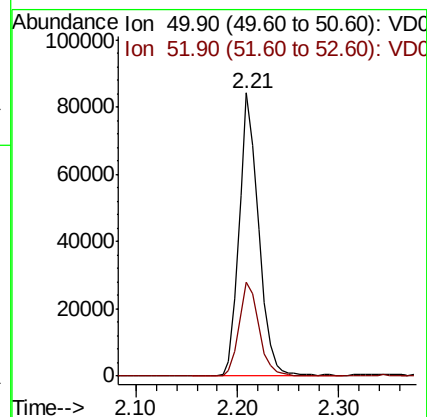
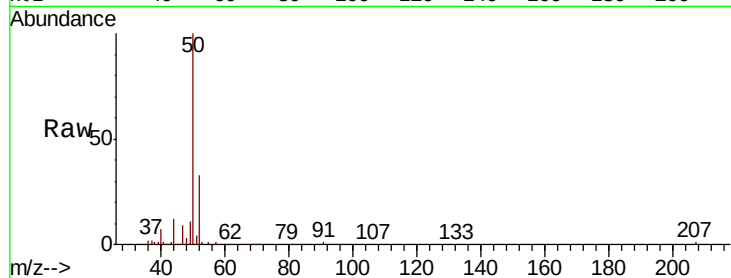
52 33.3 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 22.010 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064199.D

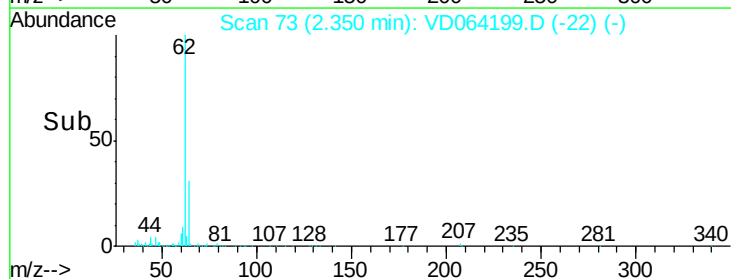
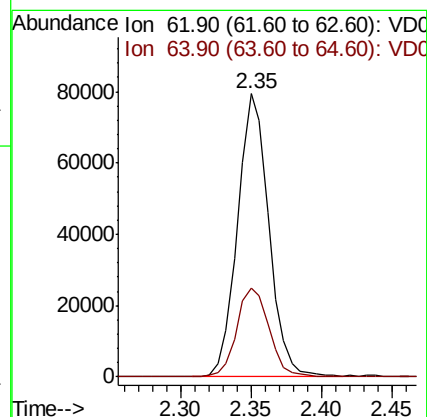
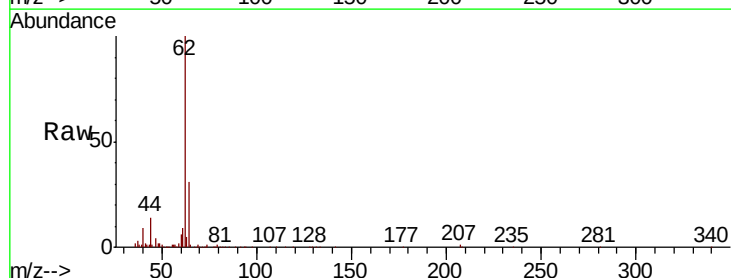
Acq: 12 Nov 2019 16:36

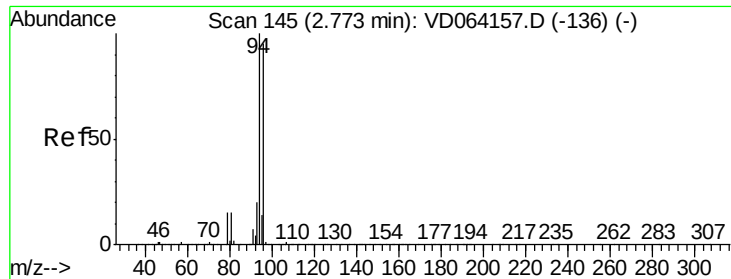
Tgt Ion: 62 Resp: 122899

Ion Ratio Lower Upper

62 100

64 31.3 26.2 39.2





#5

Bromomethane

Concen: 23.574 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion: 94 Resp: 83119

Ion Ratio Lower Upper

94 100

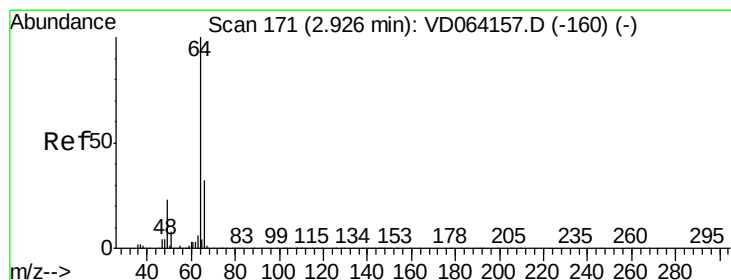
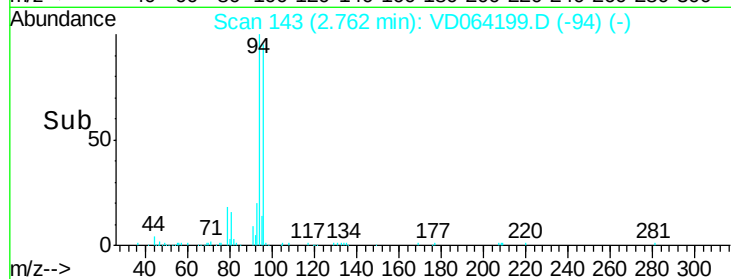
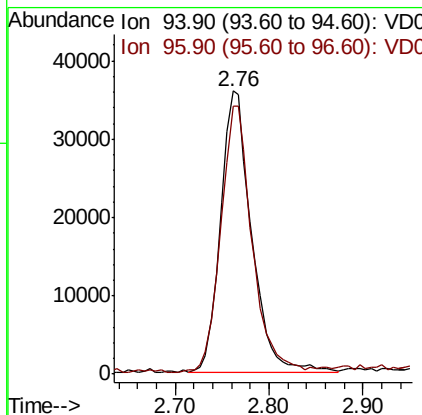
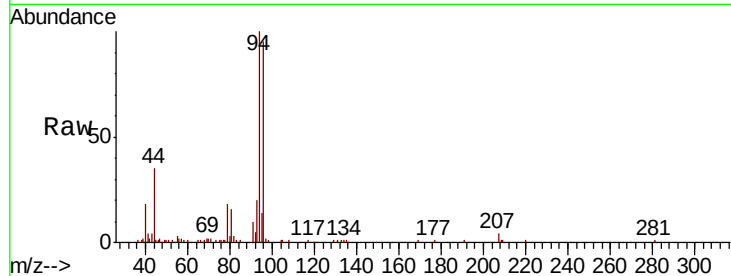
96 93.6 76.2 114.4

Manual Integrations

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11/13/2019 9:39:01 AM



#6

Chloroethane

Concen: 23.744 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064199.D

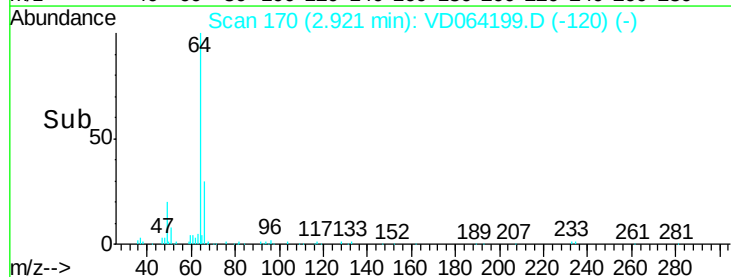
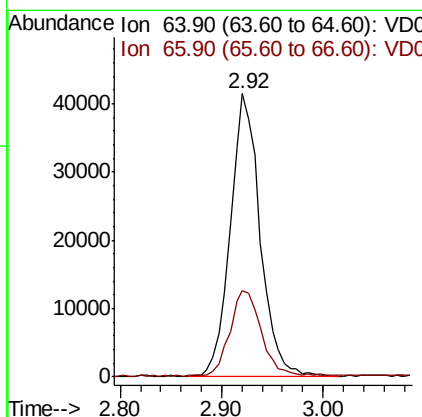
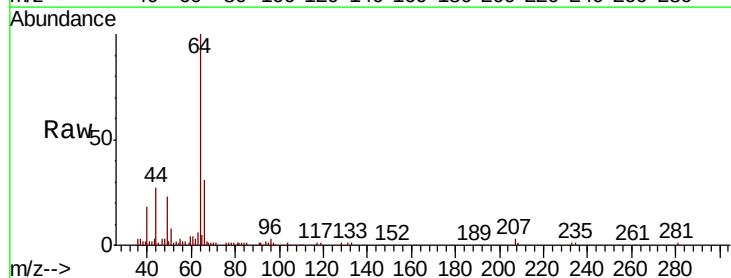
Acq: 12 Nov 2019 16:36

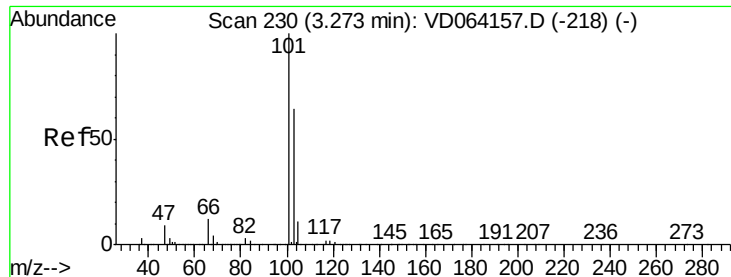
Tgt Ion: 64 Resp: 84716

Ion Ratio Lower Upper

64 100

66 30.1 25.5 38.3





#7

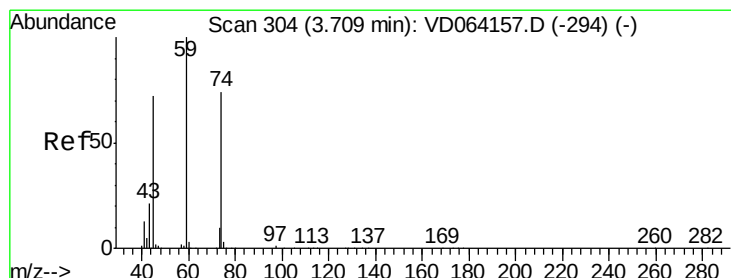
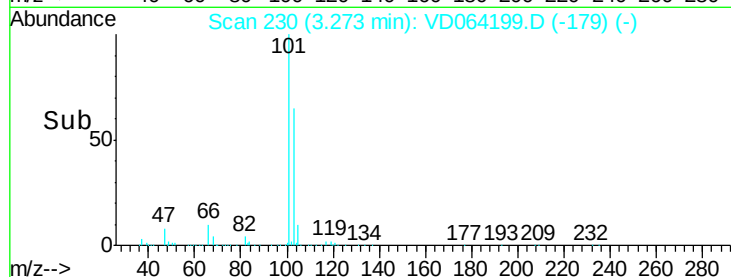
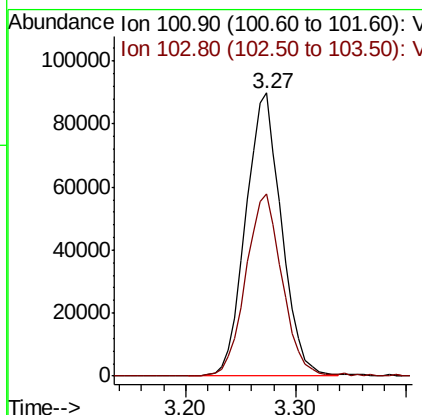
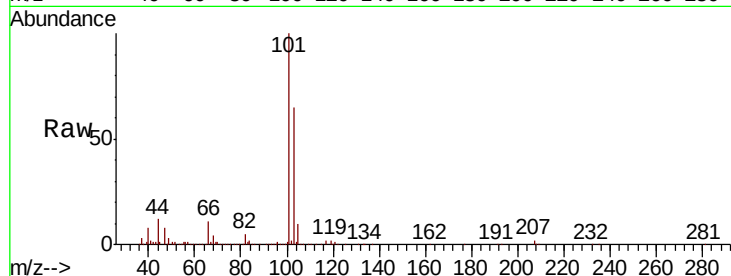
Trichlorofluoromethane
Concen: 22.589 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	50.8	76.2

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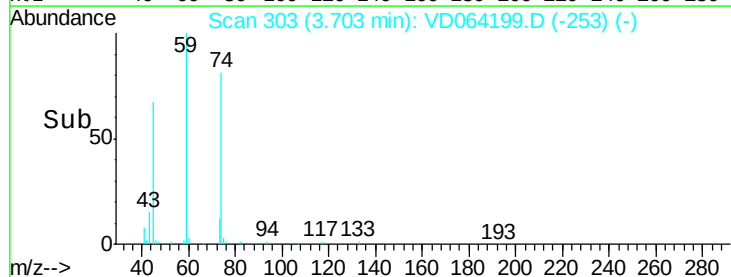
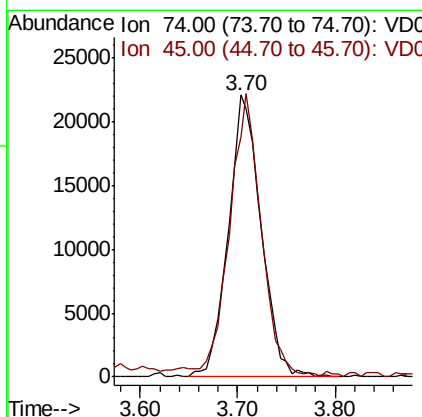
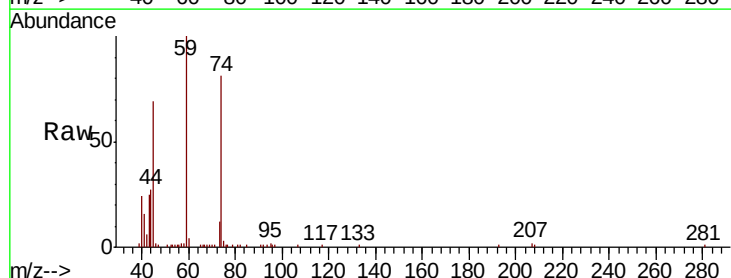
MMDadoda
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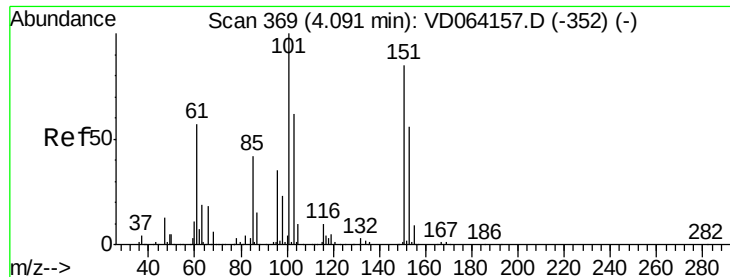


#8

Diethyl Ether
Concen: 20.543 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.314 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

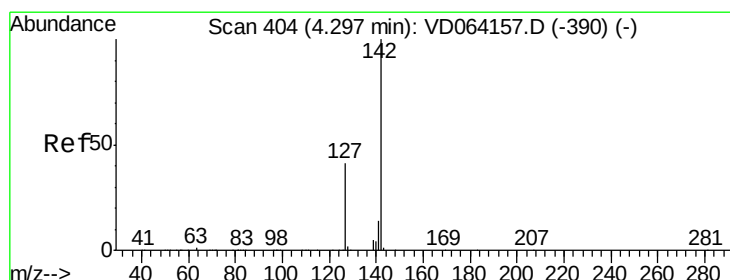
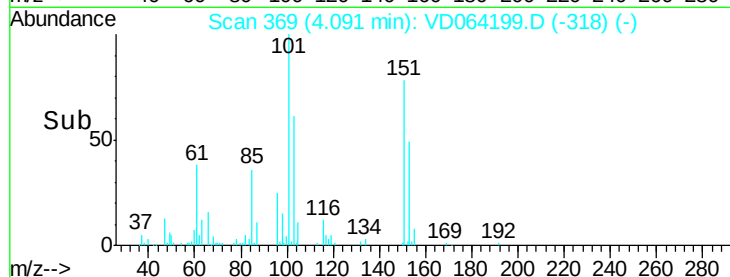
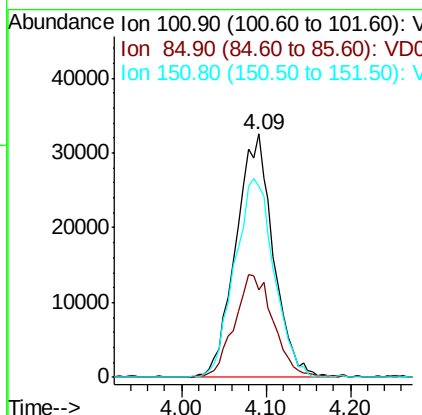
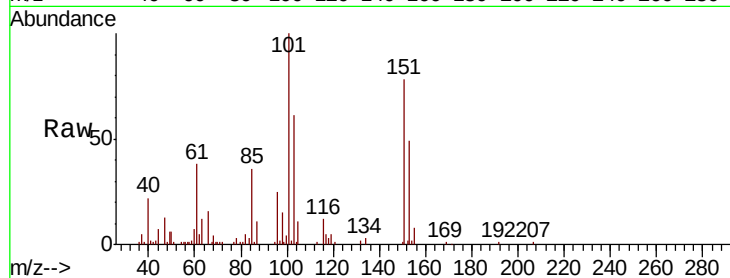
ClientSampleId :

VD1112SBSD01

Tot Ion:	101	Resp:	99936
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.4	51.6
151	86.2	68.1	102.1

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#10

Methyl Iodide

Concen: 17.787 ug/l

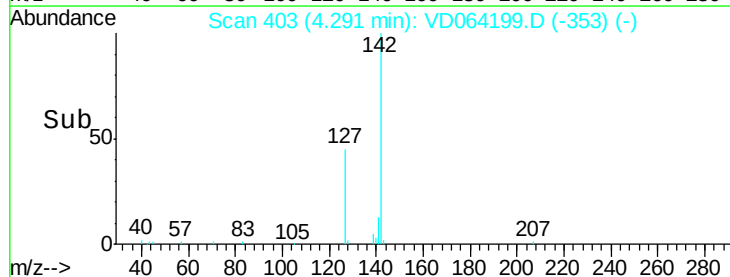
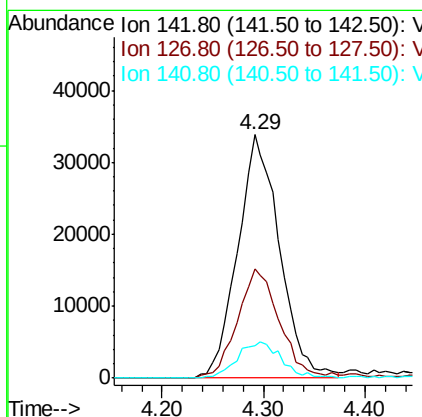
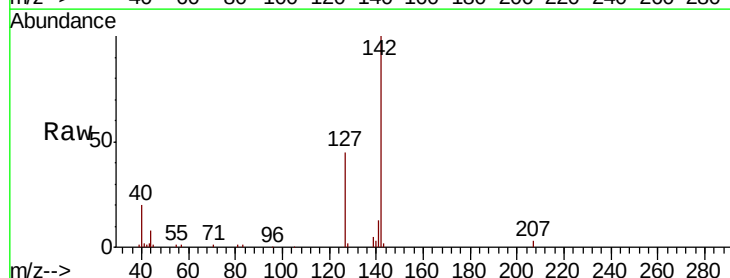
RT: 4.29 min Scan# 403

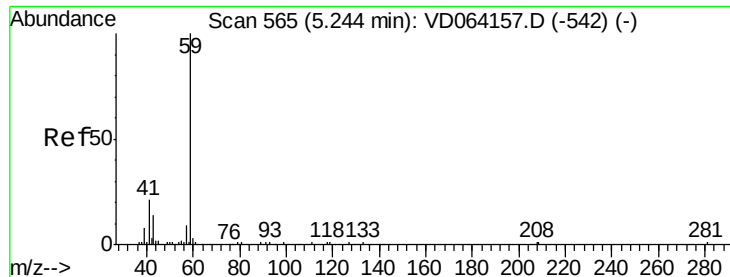
Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion:	142	Resp:	96999
Ion Ratio	Lower	Upper	
142	100		
127	44.7	34.4	51.6
141	15.6	11.2	16.8





#11

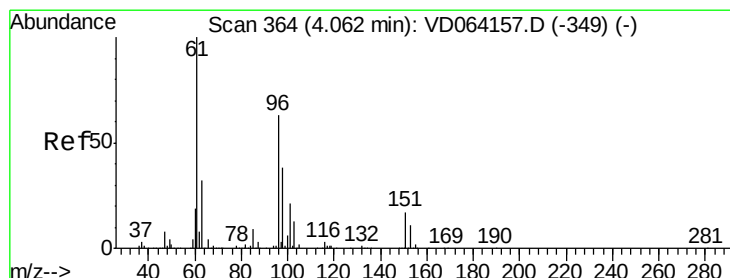
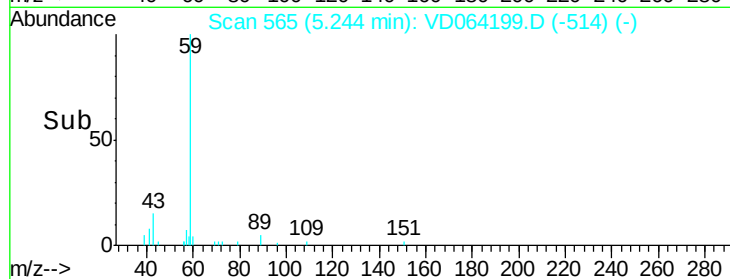
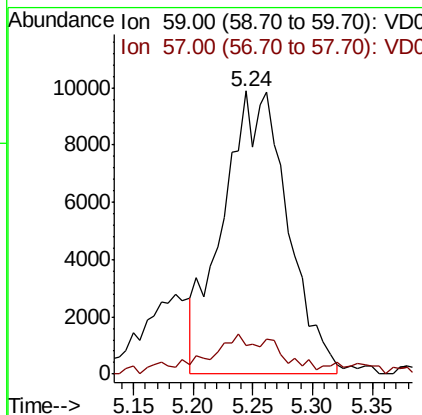
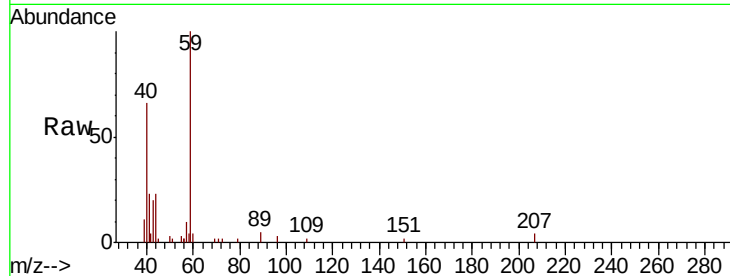
Tert butyl alcohol
Concen: 110.626 ug/l m
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.4	9.4	14.2#

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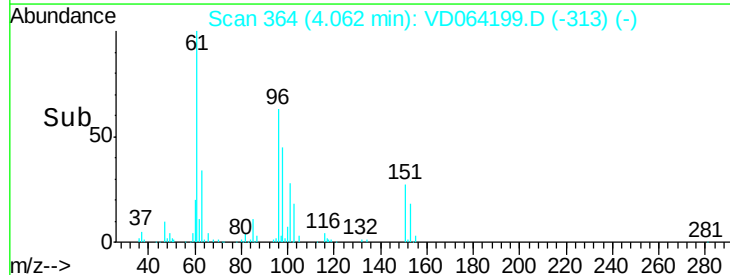
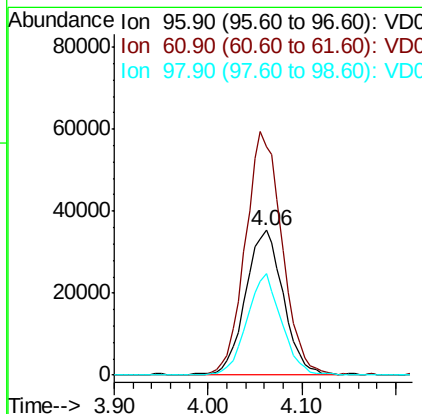
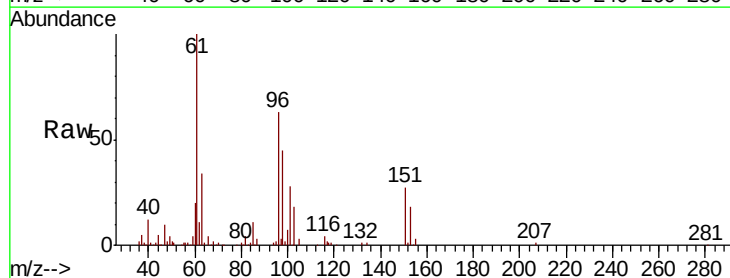
MMDadoda
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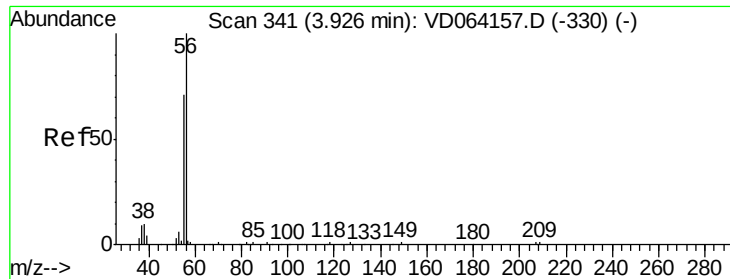


#12

1,1-Dichloroethene
Concen: 19.935 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.6	127.4	191.2
98	70.4	48.1	72.1





#13

Acrolein

Concen: 85.338 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion: 56 Resp: 24341

Ion Ratio Lower Upper

56 100

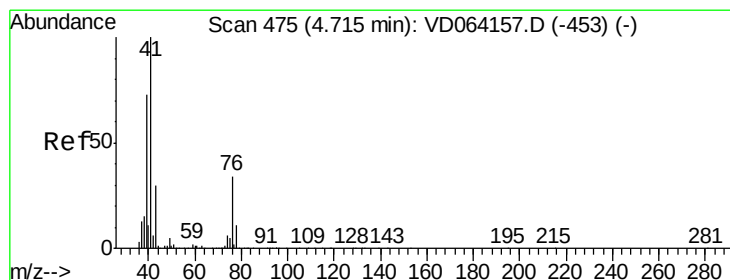
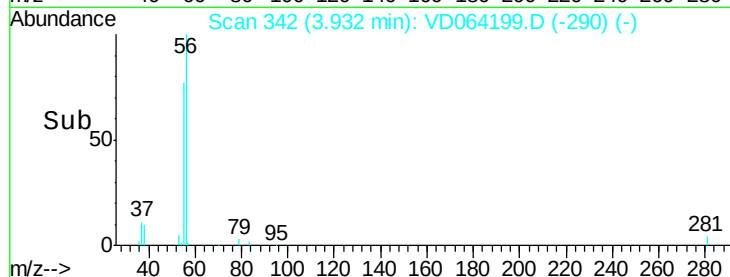
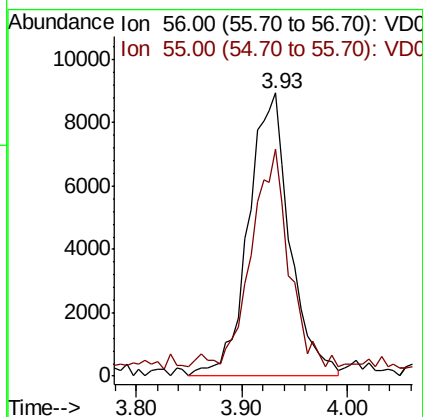
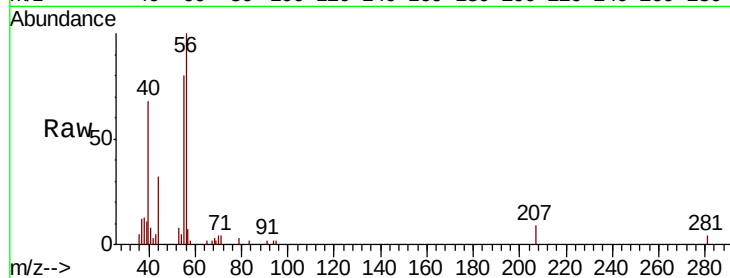
55 67.8 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.374 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

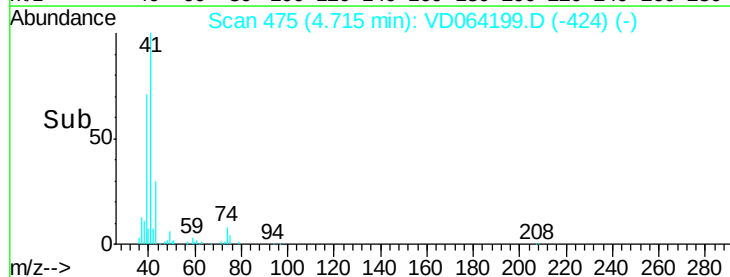
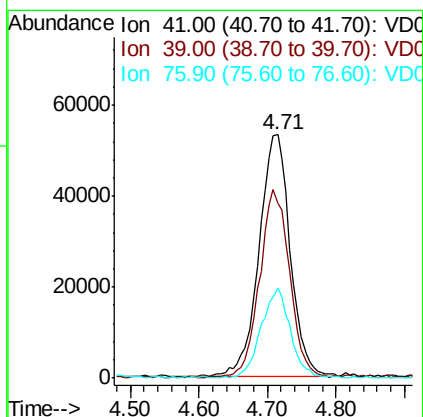
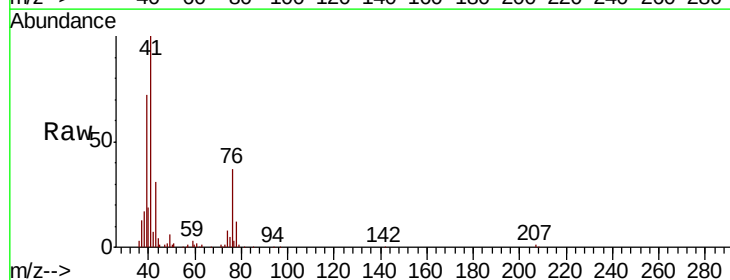
Tgt Ion: 41 Resp: 168945

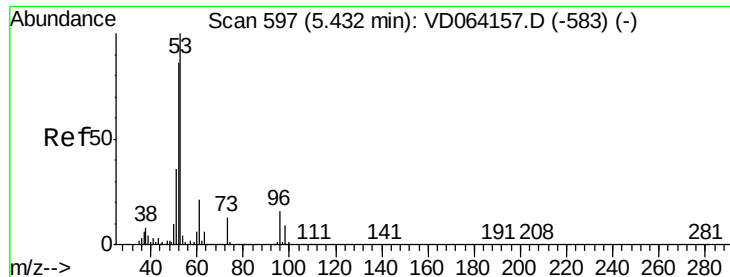
Ion Ratio Lower Upper

41 100

39 75.3 57.5 86.3

76 34.8 26.8 40.2





#15

Acrylonitrile

Concen: 104.335 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

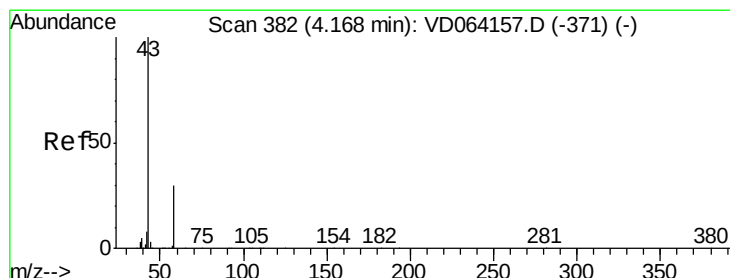
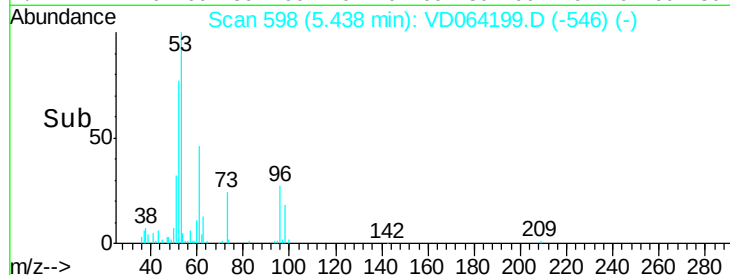
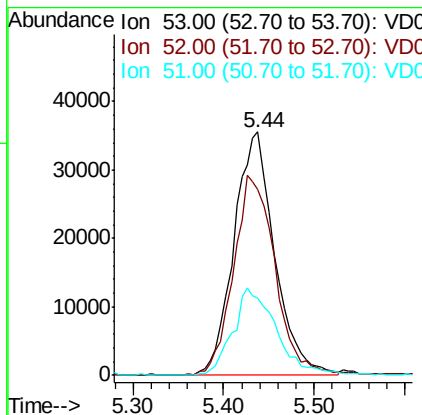
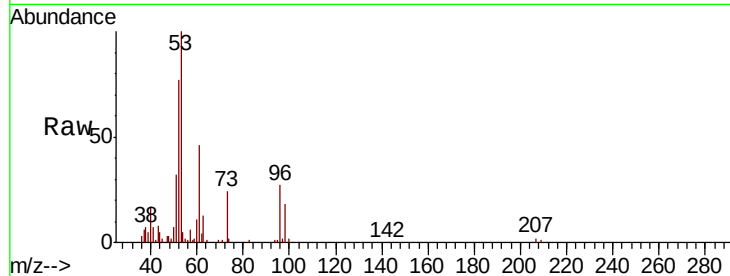
ClientSampleId :

VD1112SBS01

Tot Ion:	53	Resp:	110717
Ion	Ratio	Lower	Upper
53	100		
52	84.2	66.7	100.1
51	38.4	30.6	46.0

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#16

Acetone

Concen: 88.765 ug/l

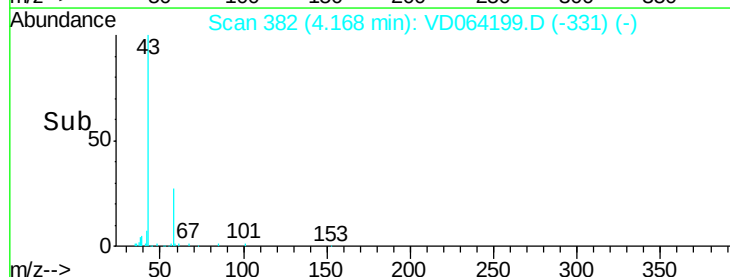
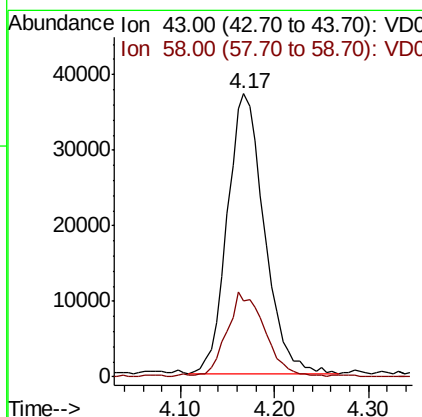
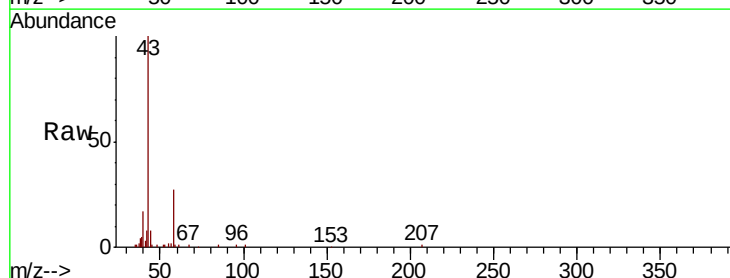
RT: 4.17 min Scan# 382

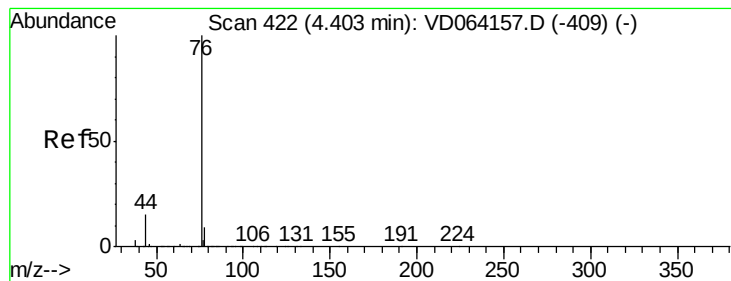
Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion:	43	Resp:	101510
Ion	Ratio	Lower	Upper
43	100		
58	26.9	24.1	36.1





#17

Carbon Disulfide

Concen: 19.297 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion: 76 Resp: 296389

Ion Ratio Lower Upper

76 100

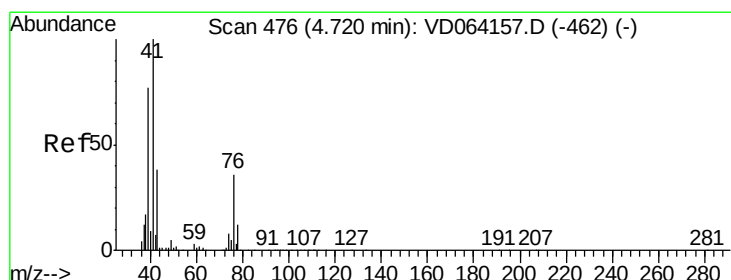
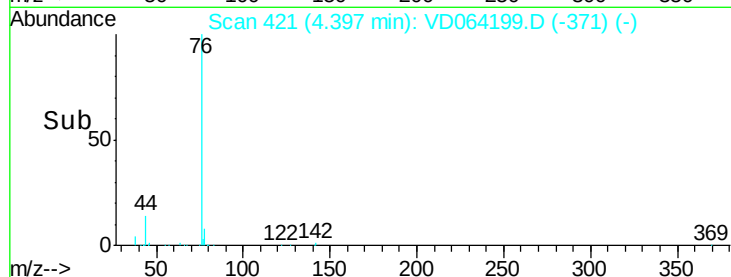
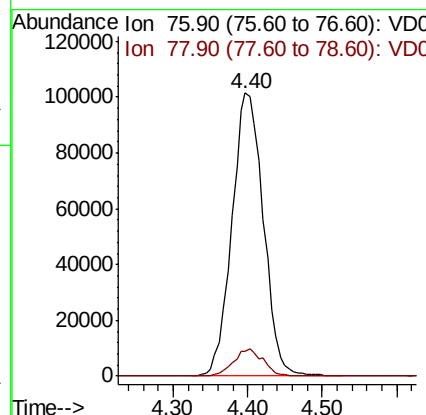
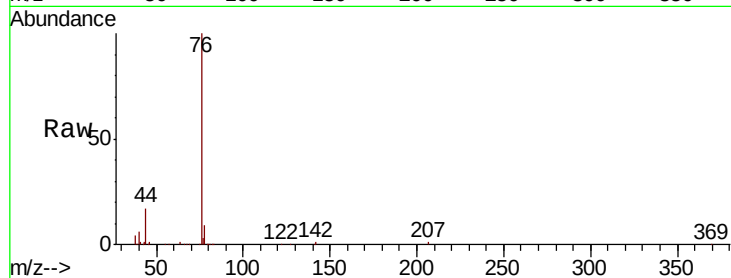
78 8.6 7.2 10.8

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#18

Methyl Acetate

Concen: 19.724 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064199.D

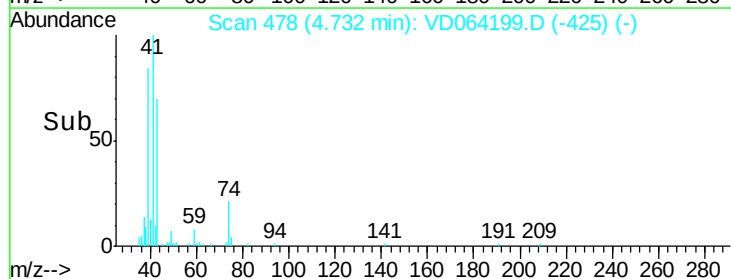
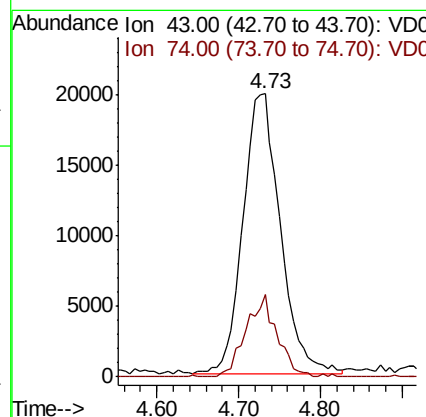
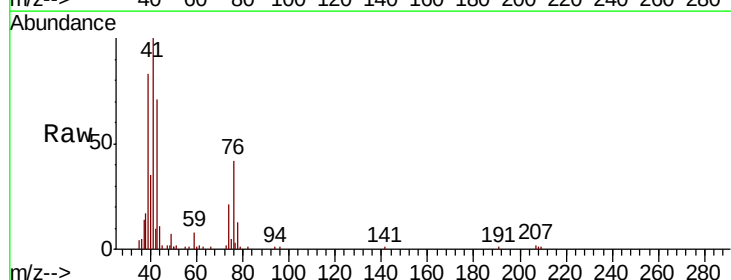
Acq: 12 Nov 2019 16:36

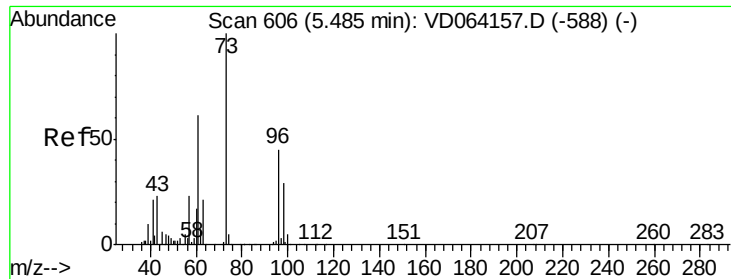
Tgt Ion: 43 Resp: 63000

Ion Ratio Lower Upper

43 100

74 24.4 18.4 27.6





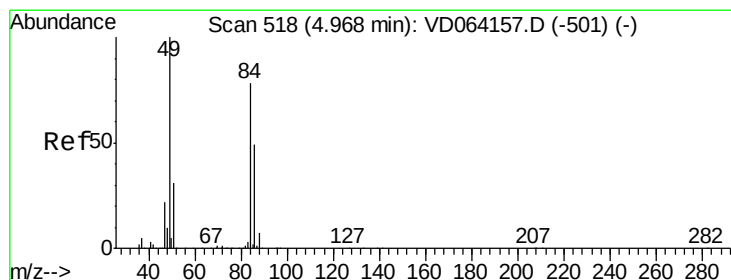
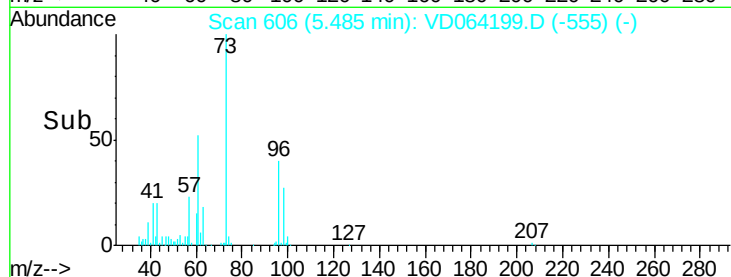
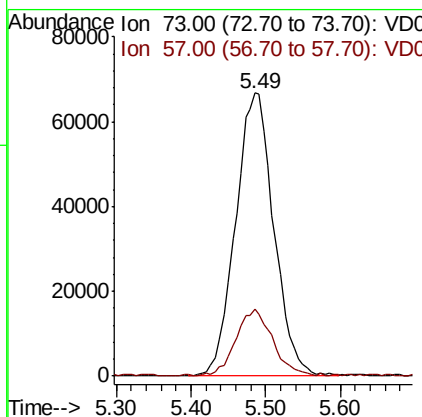
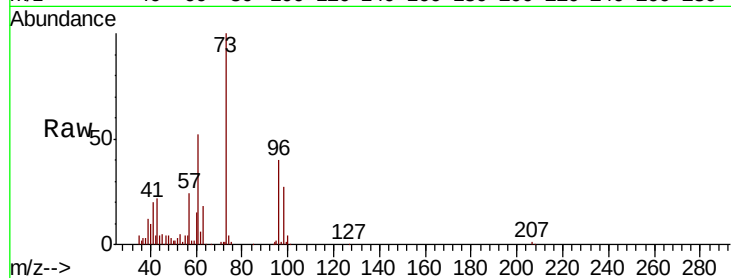
#19
Methyl tert-butyl Ether
Concen: 20.133 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampled :
VD1112SBS01

Tot Ion: 73 Resp: 237043
Ion Ratio Lower Upper
73 100
57 23.4 18.4 27.6

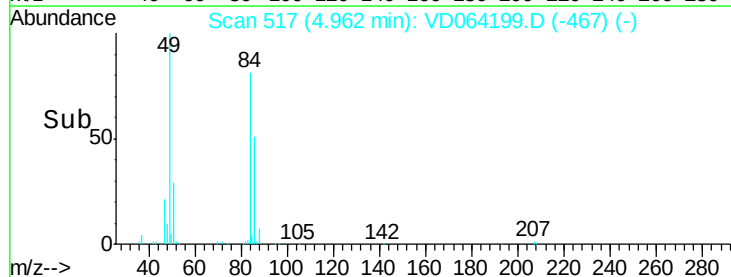
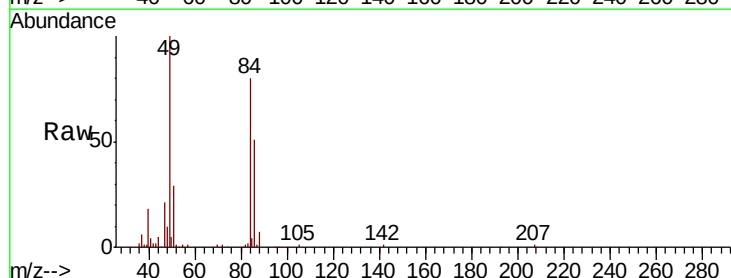
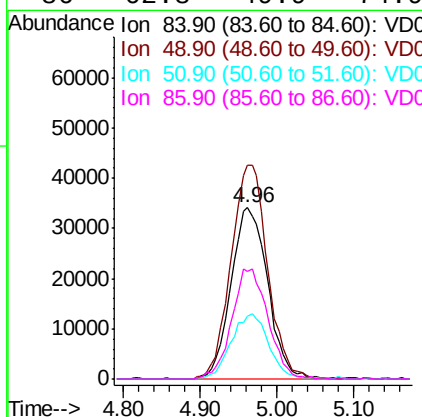
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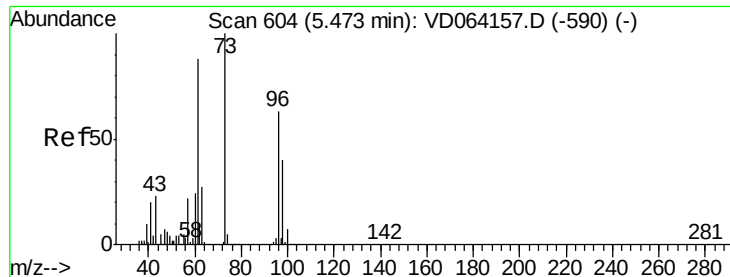
MMDadoda
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#20
Methylene Chloride
Concen: 19.747 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 84 Resp: 114068
Ion Ratio Lower Upper
84 100
49 124.3 102.1 153.1
51 36.3 32.2 48.2
86 62.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.280 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion: 96 Resp: 113322

Ion Ratio Lower Upper

96 100

61 126.4 111.8 167.6

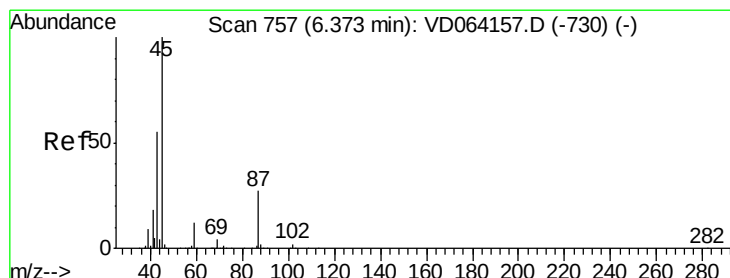
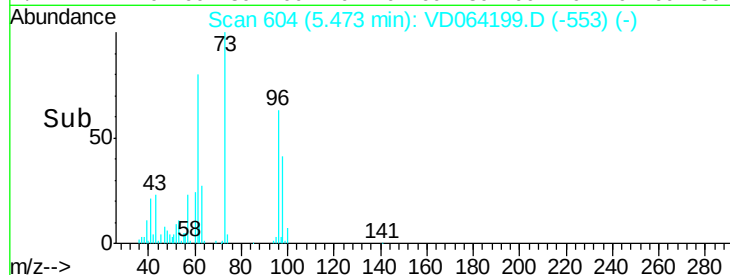
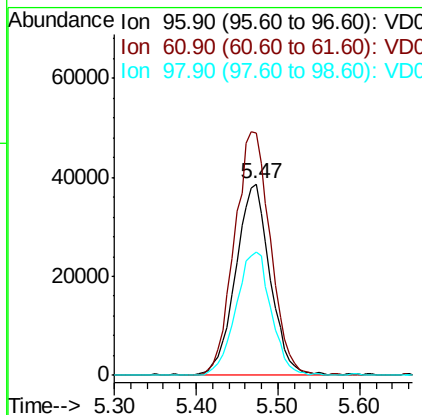
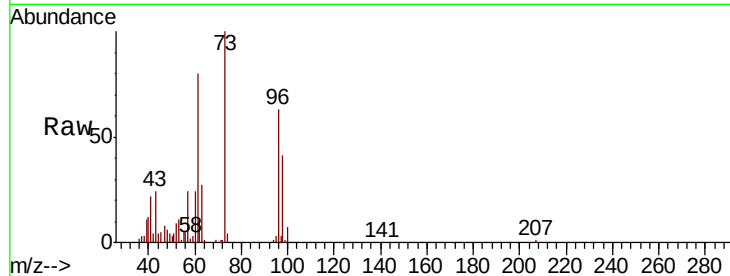
98 64.5 50.3 75.5

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#22

Diisopropyl ether

Concen: 19.695 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion: 45 Resp: 318662

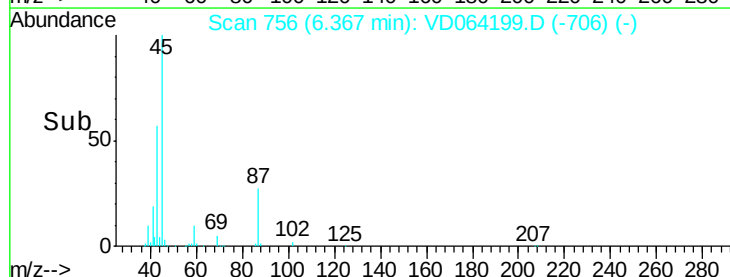
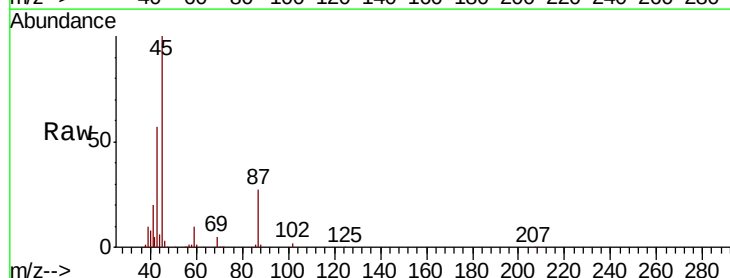
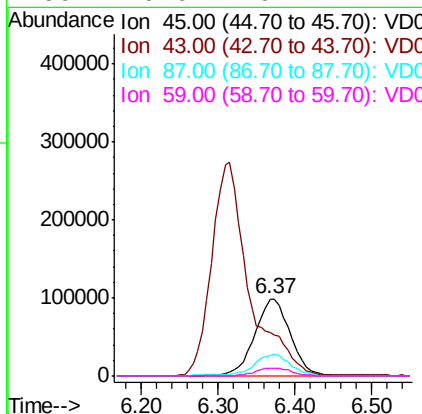
Ion Ratio Lower Upper

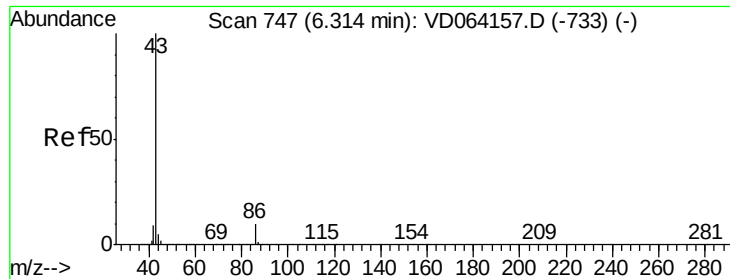
45 100

43 55.9 44.4 66.6

87 26.6 21.9 32.9

59 10.0 9.4 14.2





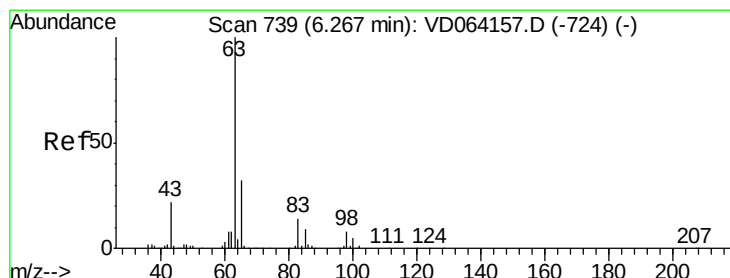
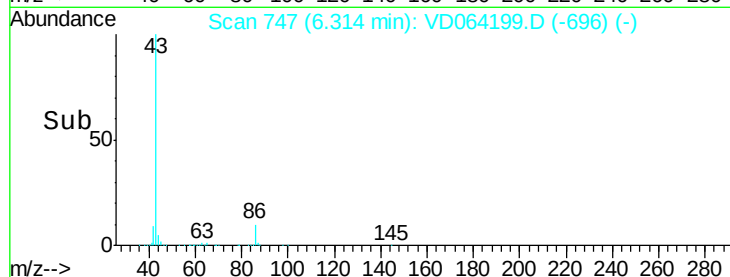
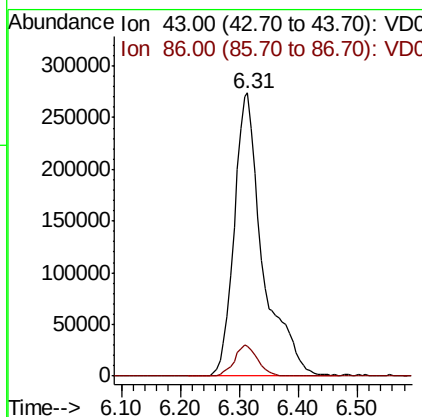
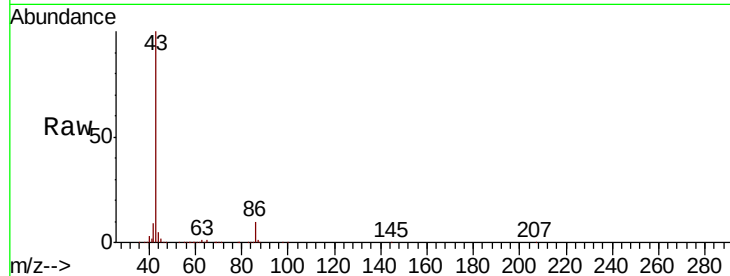
#23
 Vinyl Acetate
 Concen: 102.301 ug/l
 RT: 6.31 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	43	Resp	922638
Ion Ratio	100	Lower	Upper
43	100		
86	10.5	8.2	12.2

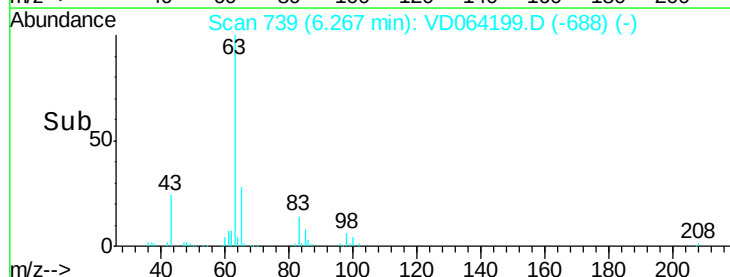
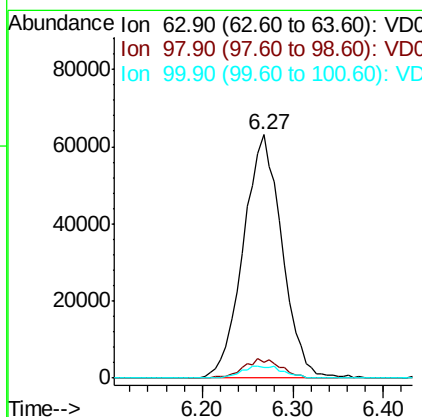
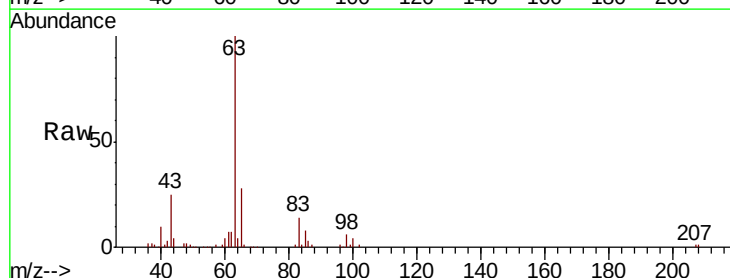
Manual Integrations
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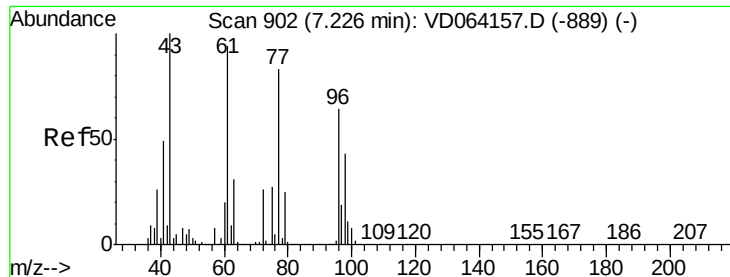
MMDadoda
 11/13/2019 9:39:01 AM



#24
 1,1-Dichloroethane
 Concen: 19.876 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	63	Resp	186724
Ion Ratio	100	Lower	Upper
63	100		
98	6.5	3.8	11.4
100	4.4	2.4	7.2





#25

2-Butanone

Concen: 102.368 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 43 Resp: 151243

Ion Ratio Lower Upper

43 100

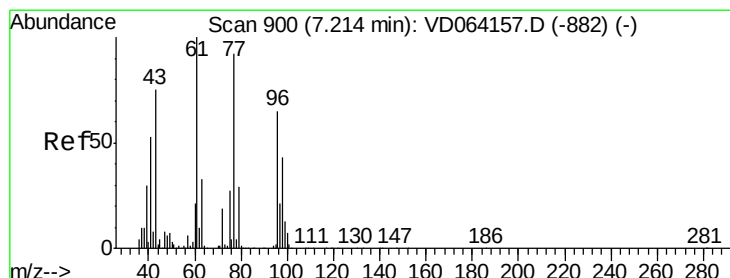
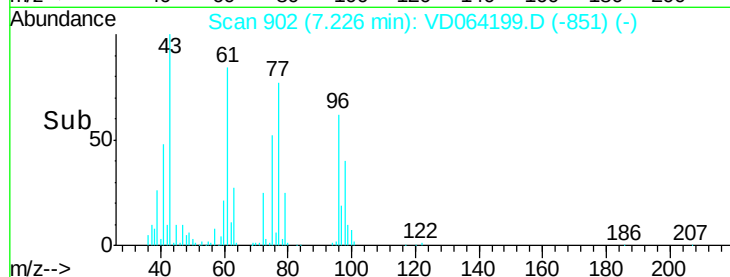
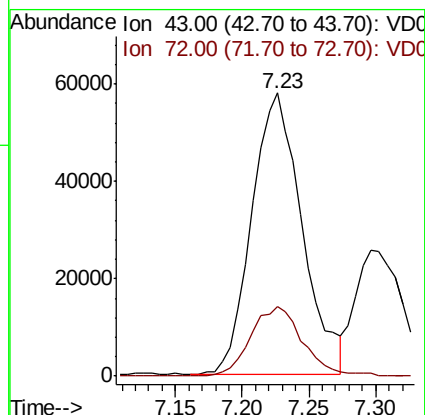
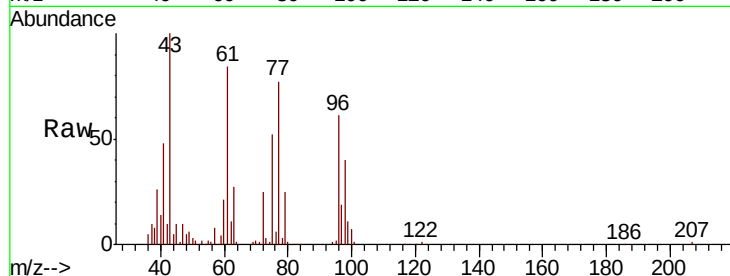
72 24.7 20.6 30.8

Manual Integrations

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11/13/2019 9:39:01 AM



#26

2,2-Dichloropropane

Concen: 19.310 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064199.D

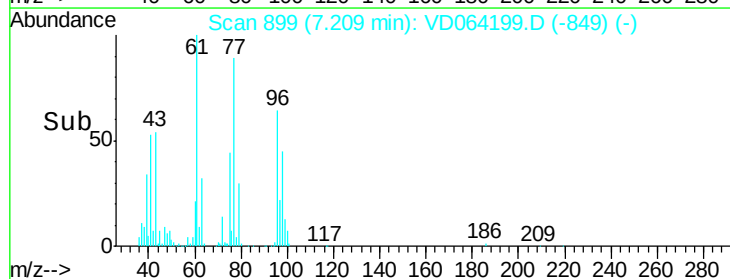
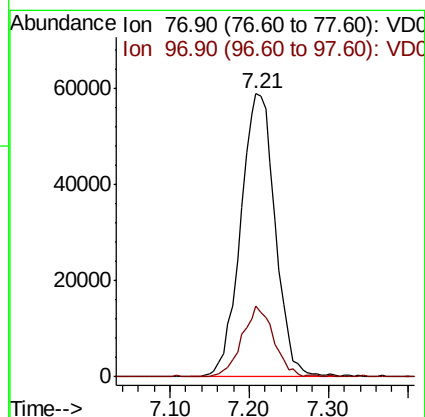
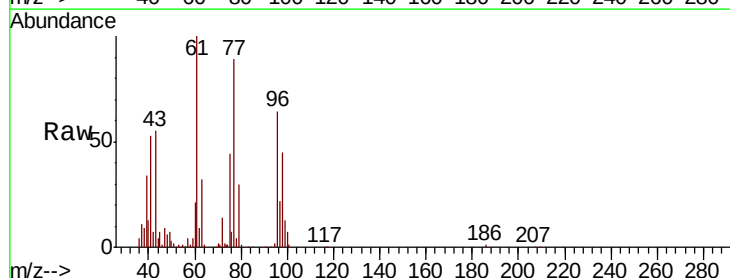
Acq: 12 Nov 2019 16:36

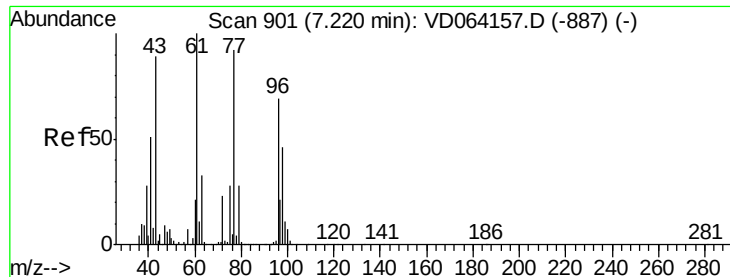
Tgt Ion: 77 Resp: 177902

Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3





#27

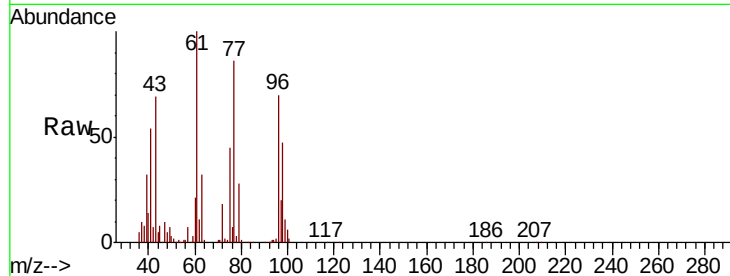
cis-1,2-Dichloroethene
Concen: 20.719 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

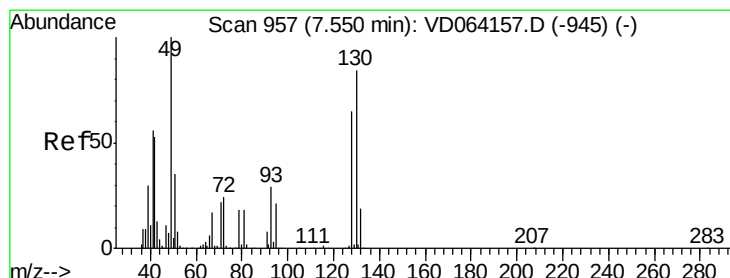
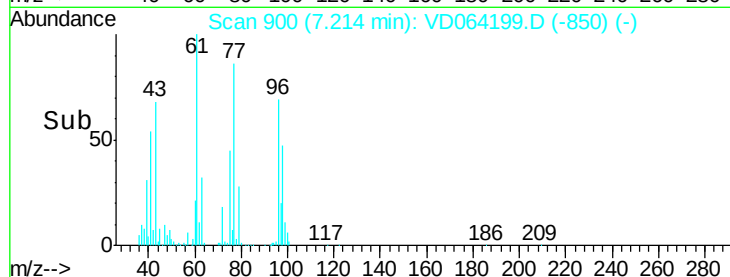
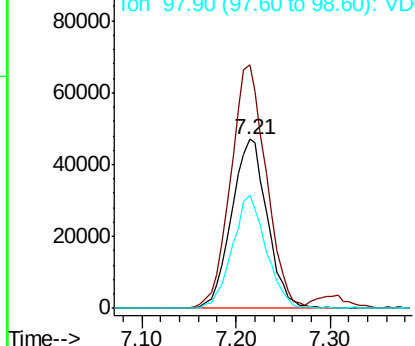
Tot Ion	Ratio	Lower	Upper
96	100		
61	143.0	0.0	301.4
98	63.2	0.0	133.2

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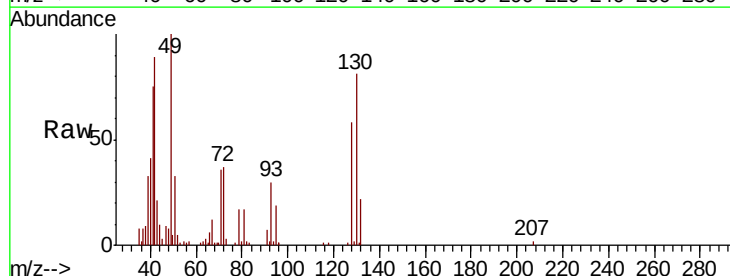
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



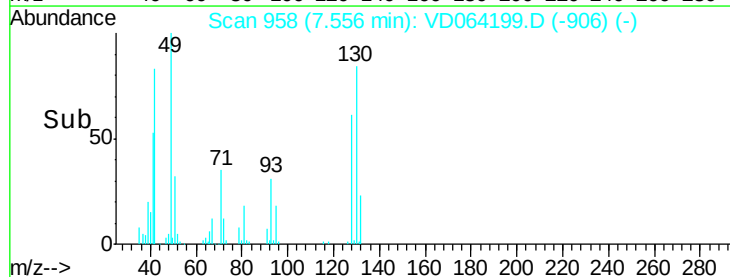
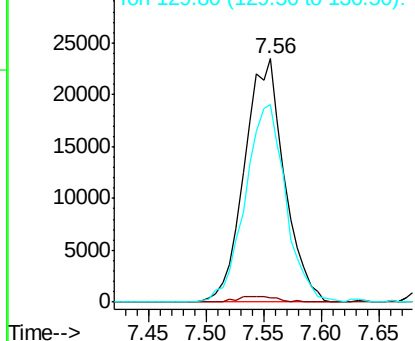
#28

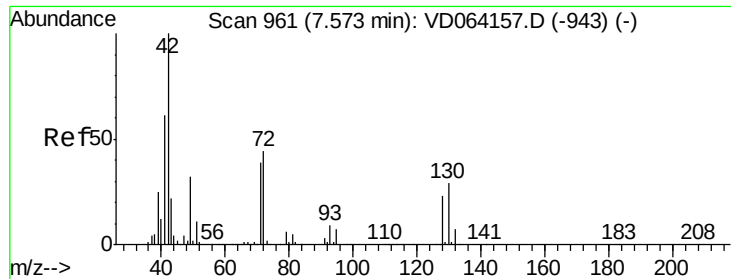
Bromochloromethane
Concen: 17.335 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.3	0.0	4.4
130	81.9	66.8	100.2



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





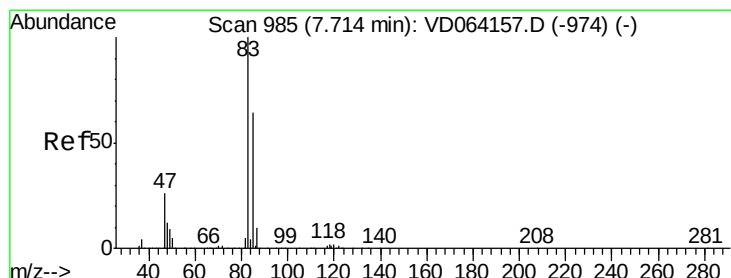
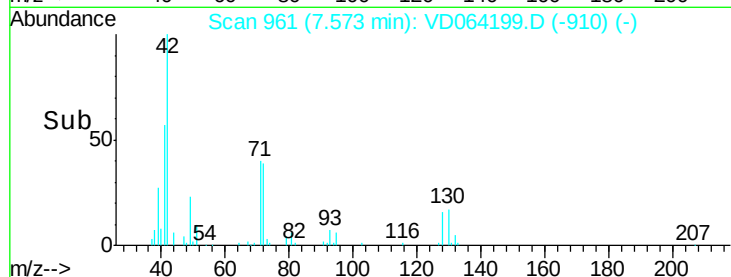
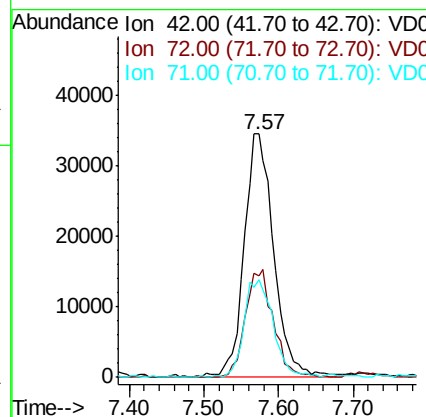
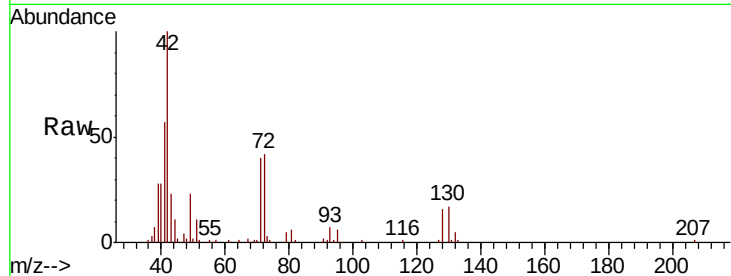
#29
Tetrahydrofuran
Concen: 107.470 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.4	50.2
71	39.4	31.0	46.4

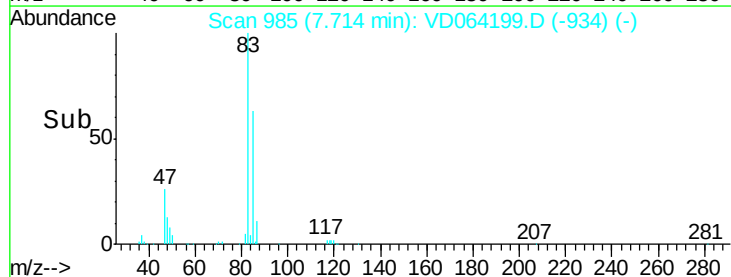
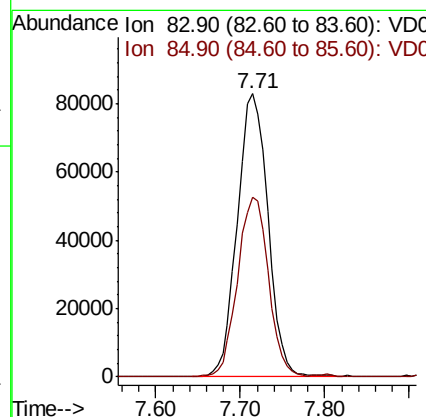
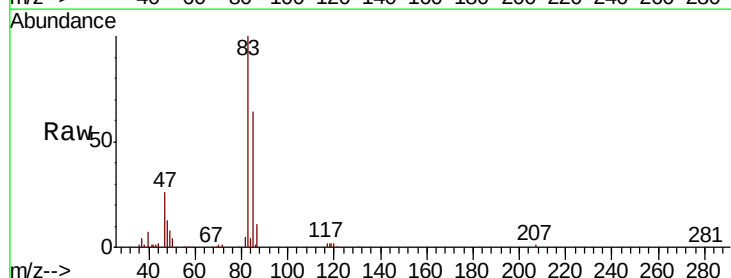
Manual Integrations
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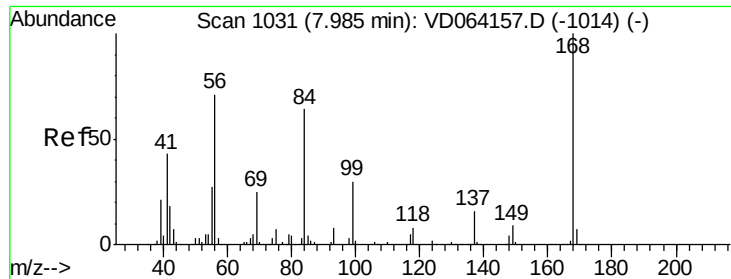
MMDadoda
11/13/2019 9:39:01 AM



#30
Chloroform
Concen: 21.722 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	51.4	77.0





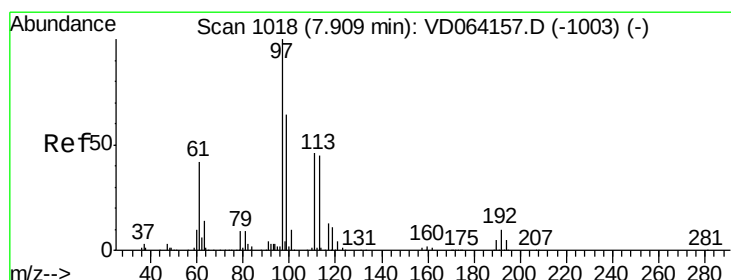
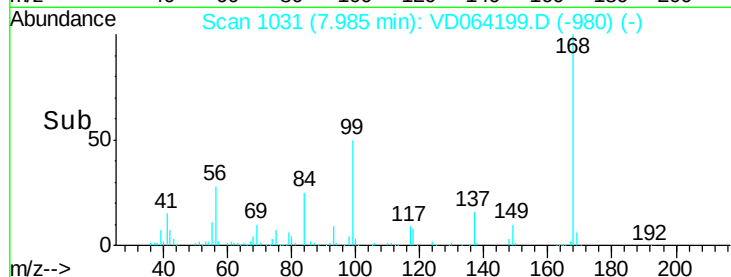
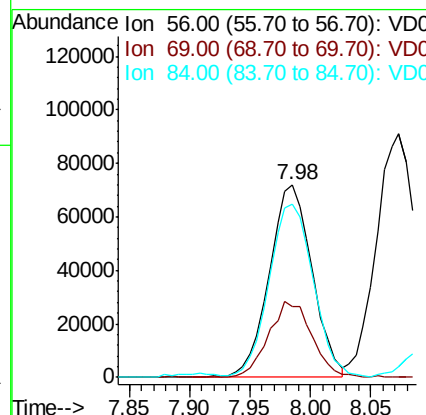
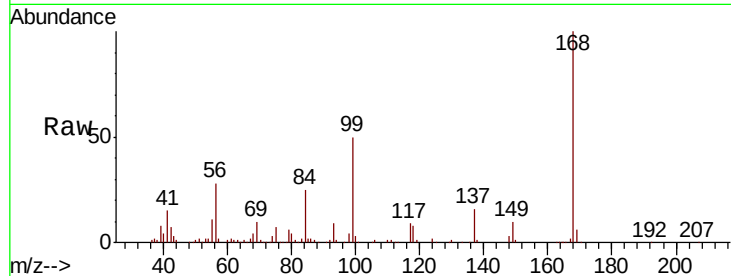
#31
Cyclohexane
Concen: 18.617 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.8	28.2	42.4
84	88.1	71.8	107.6

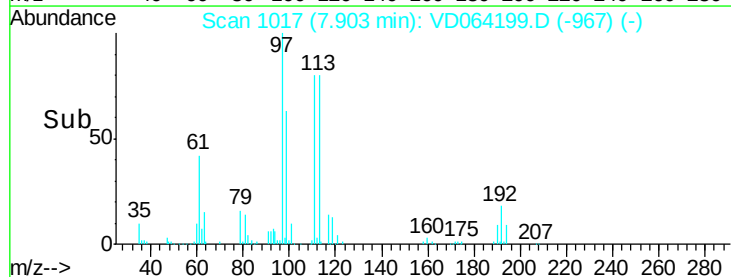
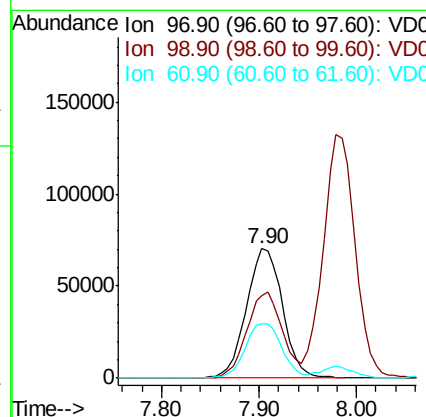
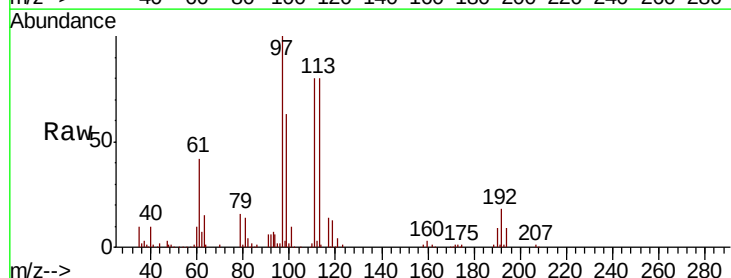
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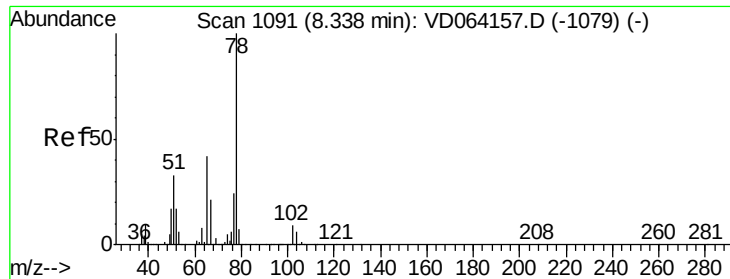
MMDadoda
11/13/2019 9:39:01 AM



#32
1,1,1-Trichloroethane
Concen: 19.725 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.6	77.4
61	42.9	34.2	51.2





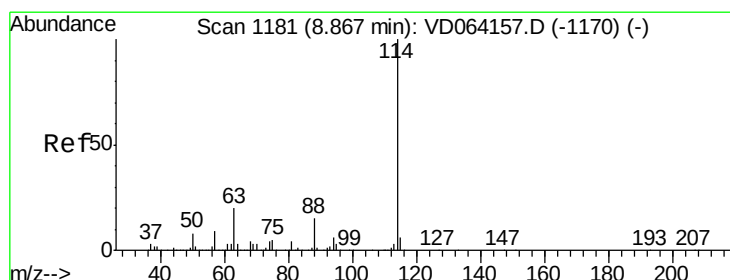
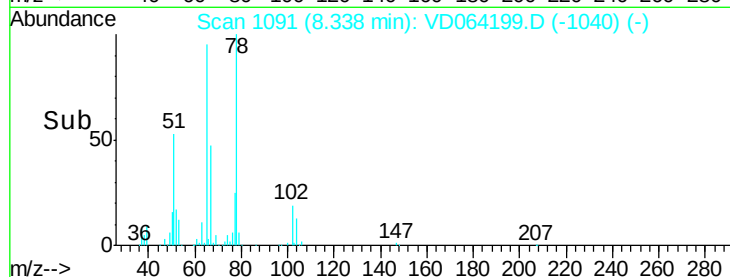
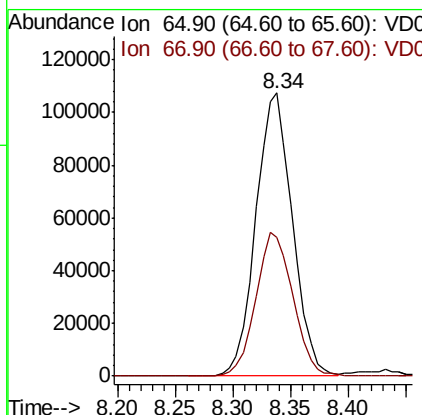
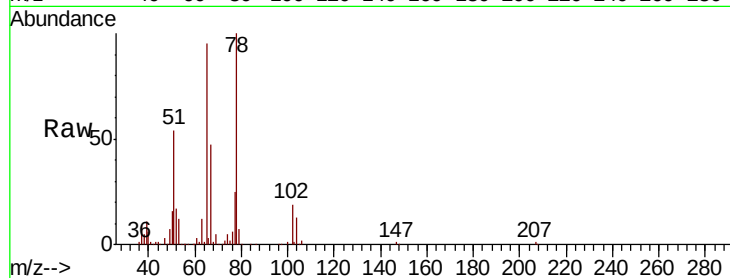
#33
 1,2-Dichloroethane-d4
 Concen: 49.059 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.7	0.0	104.4	

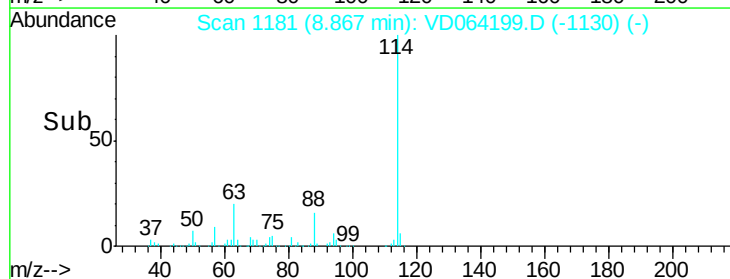
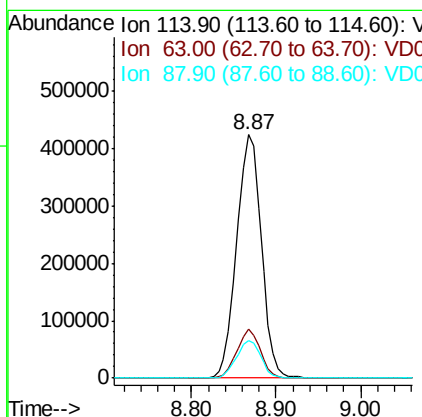
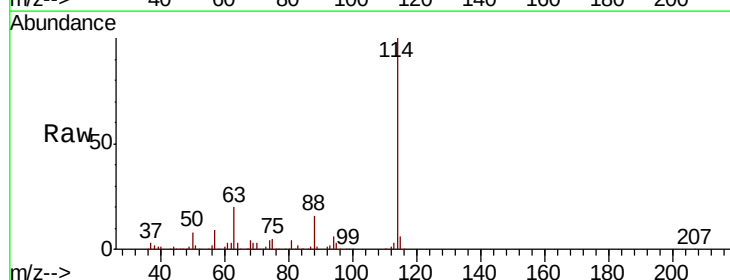
Manual Integrations
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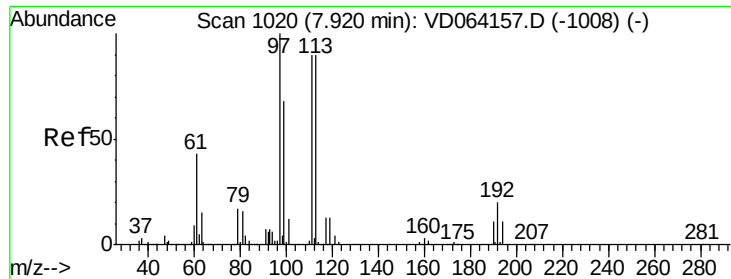
MMDadoda
 11/13/2019 9:39:01 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.9	0.0	40.0	
88	15.7	0.0	30.2	





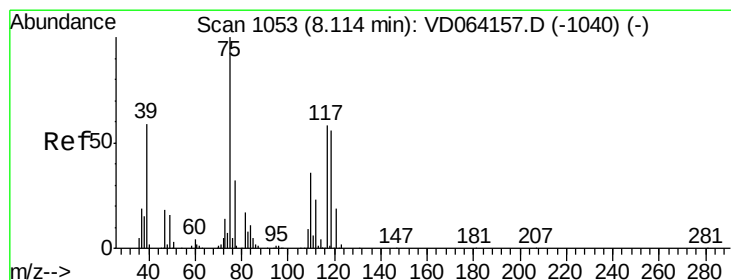
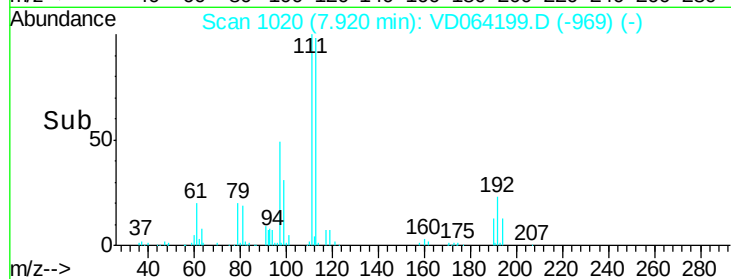
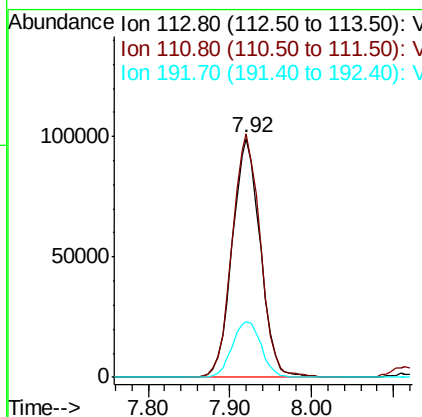
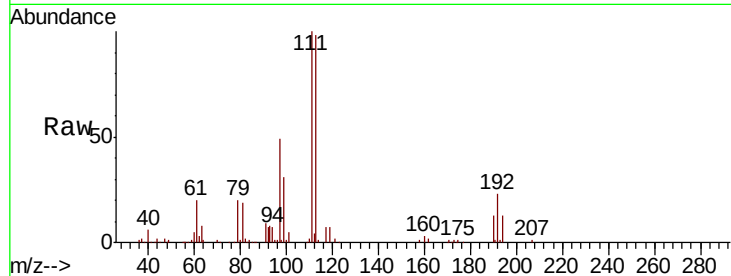
#35
 Dibromofluoromethane
 Concen: 48.024 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	235910		
111	103.0	81.5	122.3	
192	24.3	18.8	28.2	

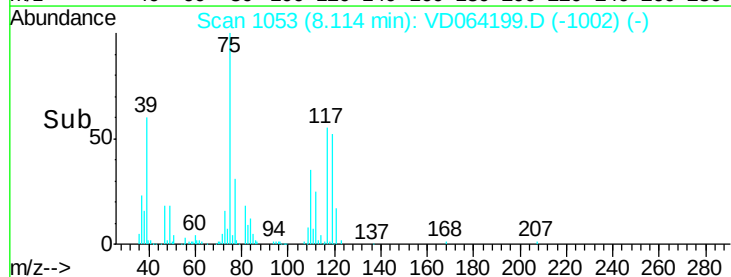
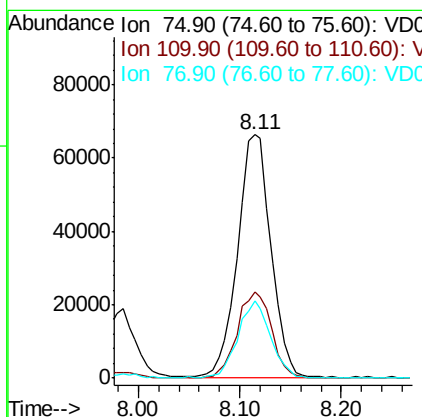
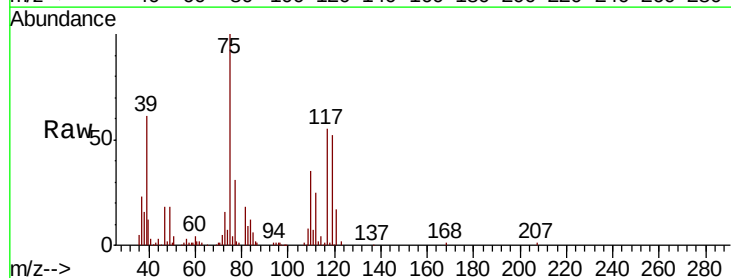
Manual Integrations
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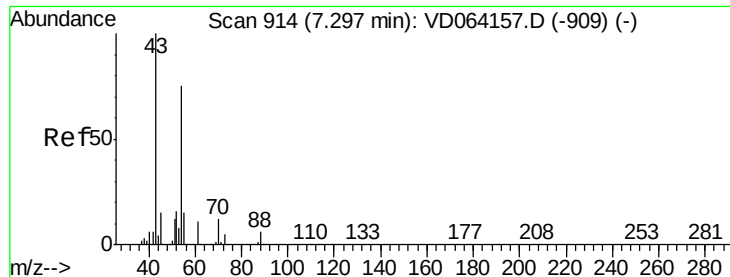
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 11/13/2019 9:39:01 AM



#36
 1,1-Dichloropropene
 Concen: 19.362 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152926		
110	36.3	18.3	54.9	
77	30.8	25.0	37.6	





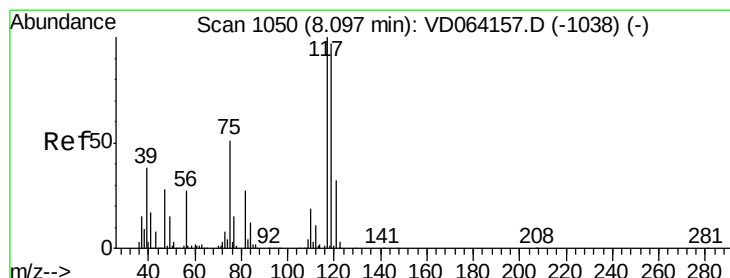
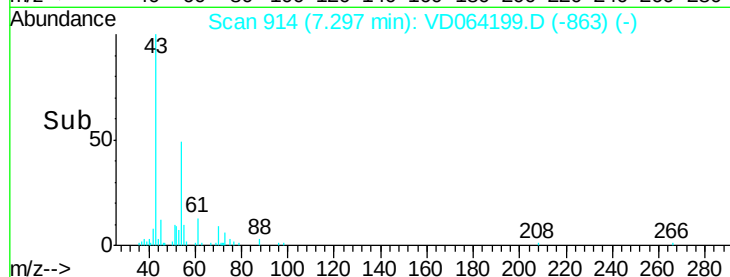
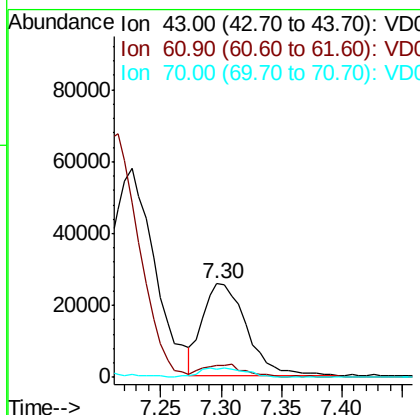
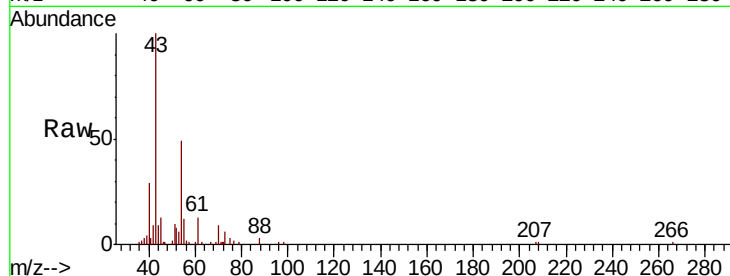
#37
Ethyl Acetate
Concen: 19.413 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	43	Resp	64639
Ion Ratio	100	Lower	Upper
43	100		
61	12.6	10.2	15.2
70	10.9	8.5	12.7

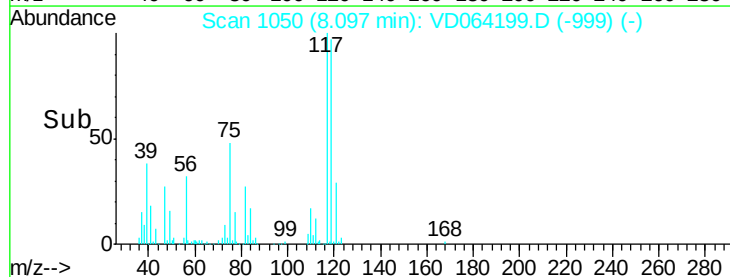
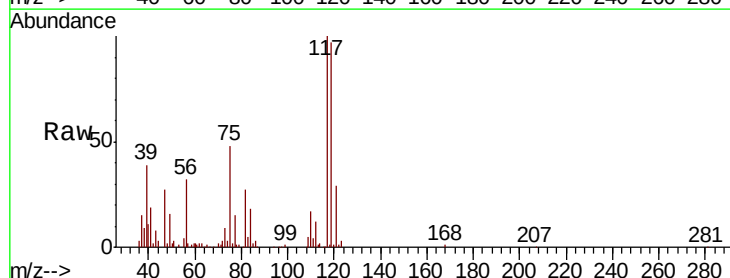
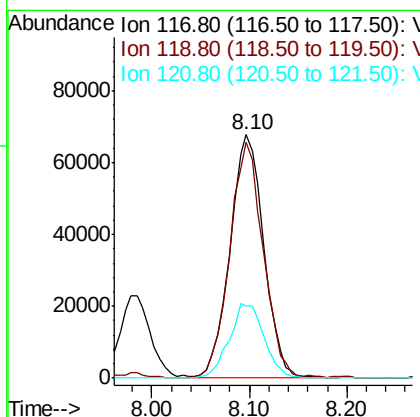
Manual Integrations
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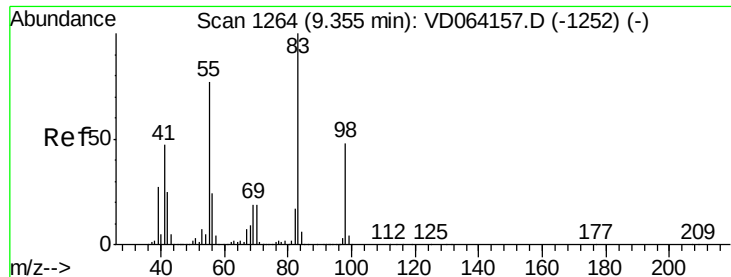
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11/13/2019 9:39:01 AM



#38
Carbon Tetrachloride
Concen: 19.130 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	117	Resp	161673
Ion Ratio	100	Lower	Upper
117	100		
119	96.8	77.2	115.8
121	29.5	25.5	38.3





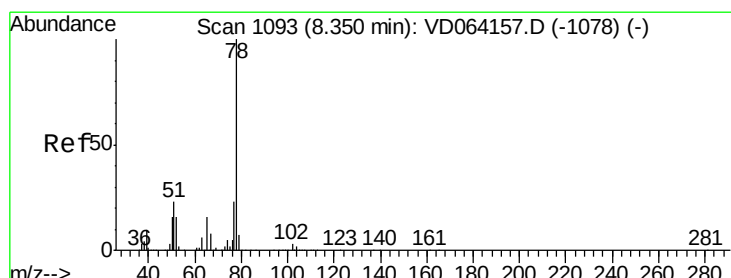
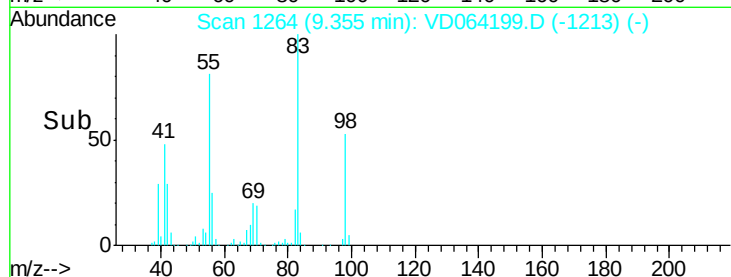
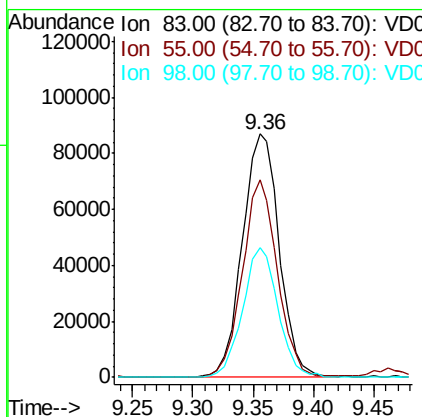
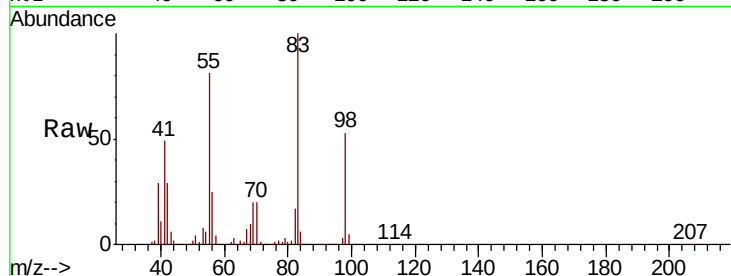
#39
Methylvlcyclohexane
Concen: 18.471 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.1	61.7	92.5
98	53.1	38.6	58.0

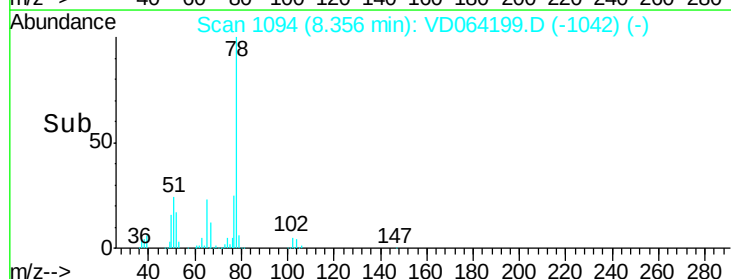
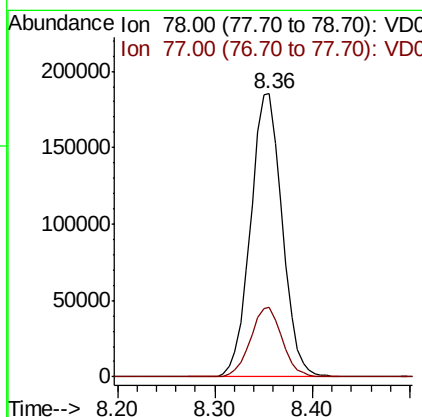
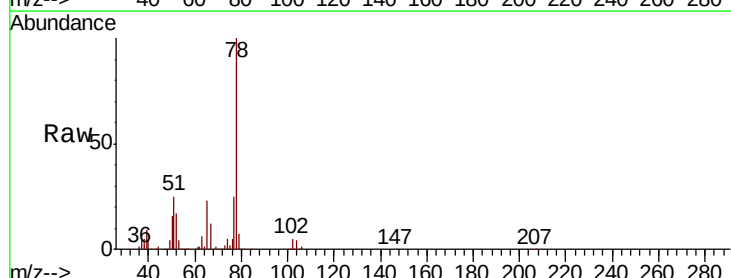
Manual Integrations
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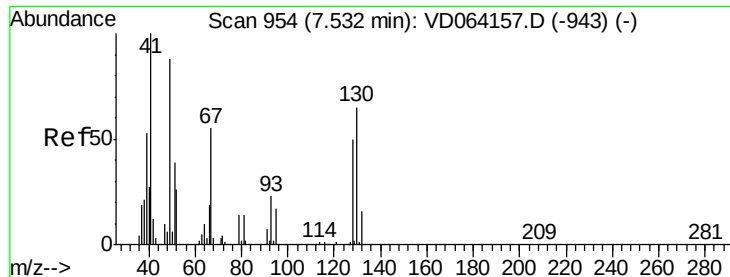
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11/13/2019 9:39:01 AM



#40
Benzene
Concen: 19.455 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.6	28.0





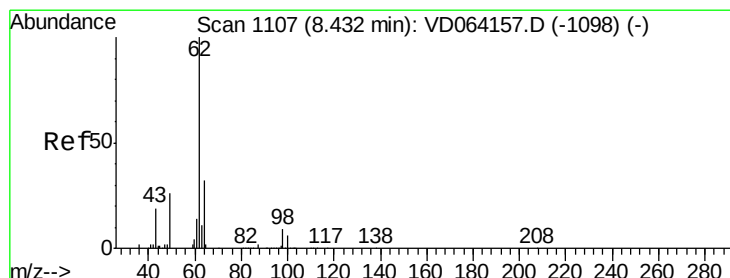
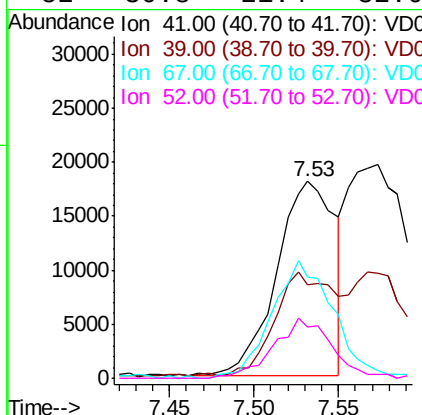
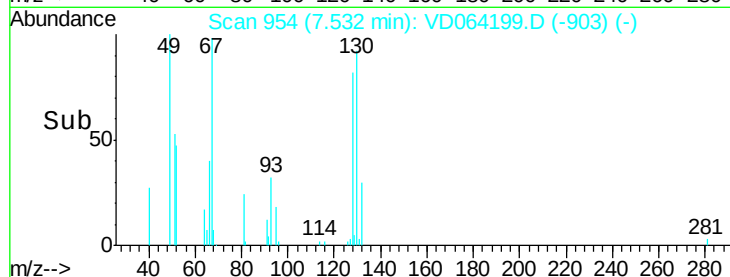
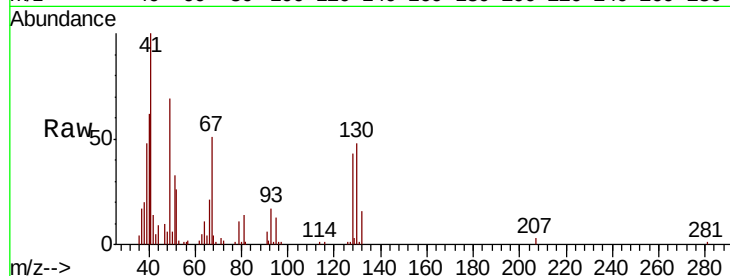
#41
Methacrylonitrile
Concen: 20.412 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.5	49.4	74.2
67	64.6	49.6	74.4
52	30.8	21.4	32.0

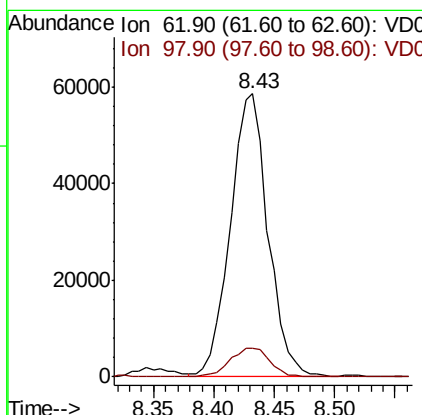
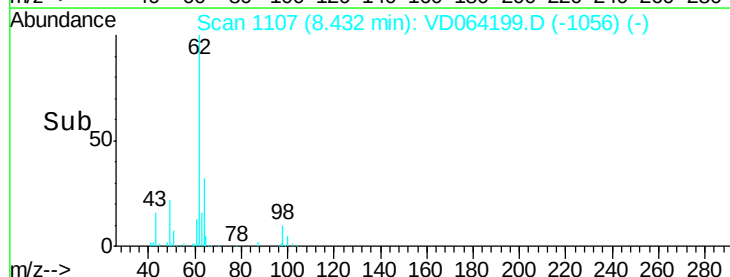
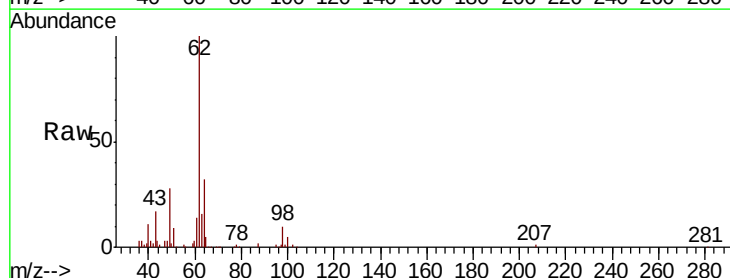
Manual Integrations
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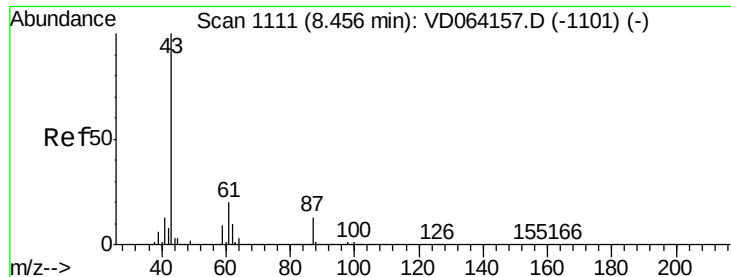
MMDadoda
11/13/2019 9:39:01 AM



#42
1,2-Dichloroethane
Concen: 19.471 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
62	100		
98	11.0	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.615 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

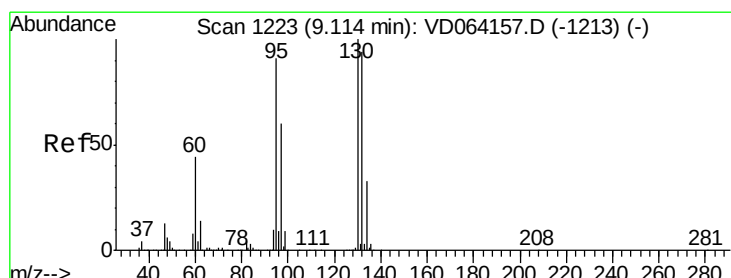
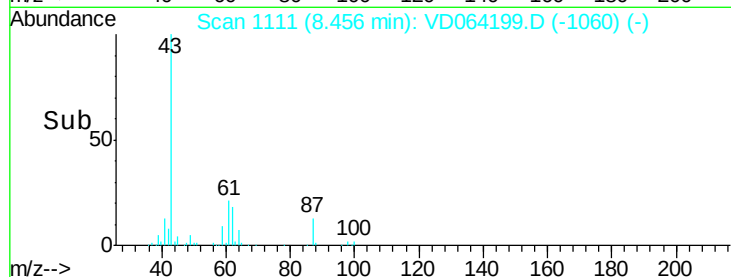
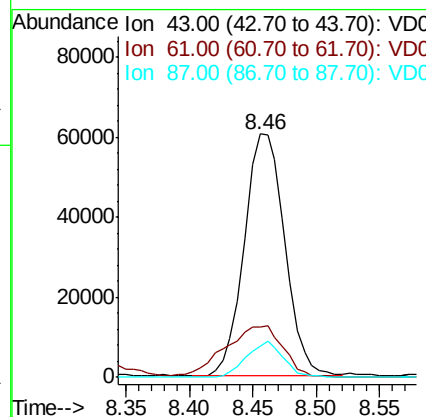
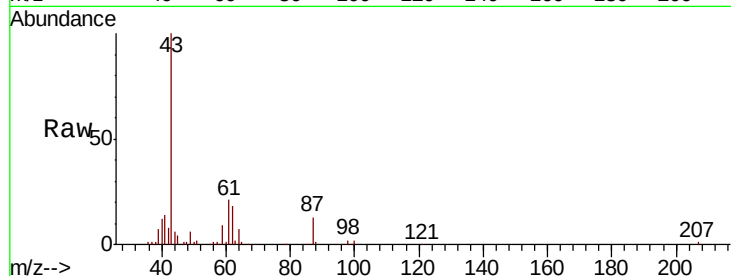
ClientSampleId :

VD1112SBS01

Tot Ion:	43	Resp:	134571
Ion	Ratio	Lower	Upper
43	100		
61	30.6	22.9	34.3
87	13.5	10.2	15.2

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#44

Trichloroethene

Concen: 20.099 ug/l

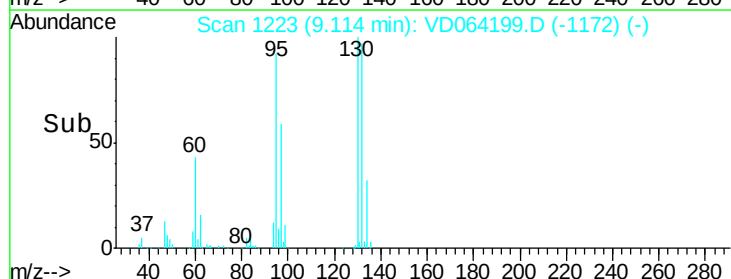
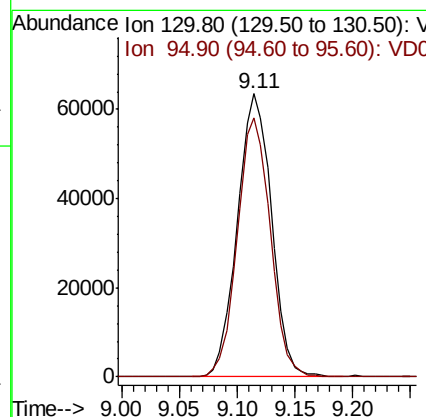
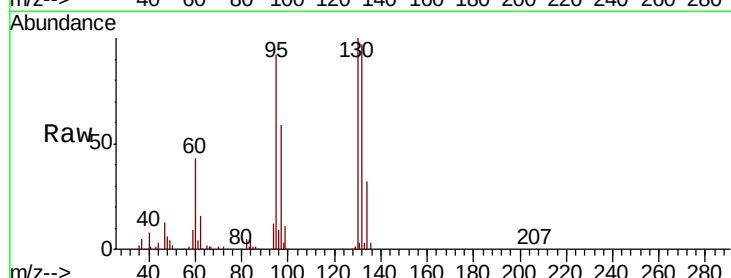
RT: 9.11 min Scan# 1223

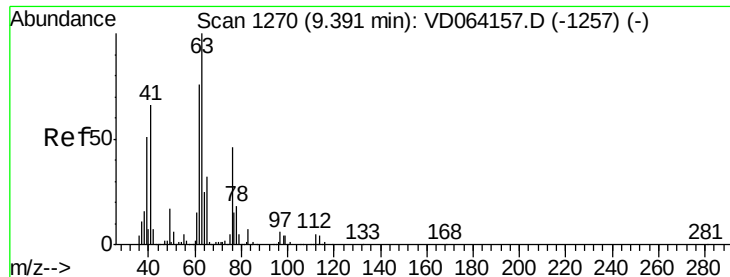
Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion:	130	Resp:	130212
Ion	Ratio	Lower	Upper
130	100		
95	91.5	0.0	181.6





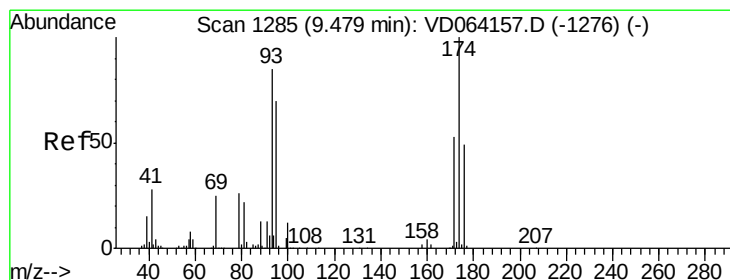
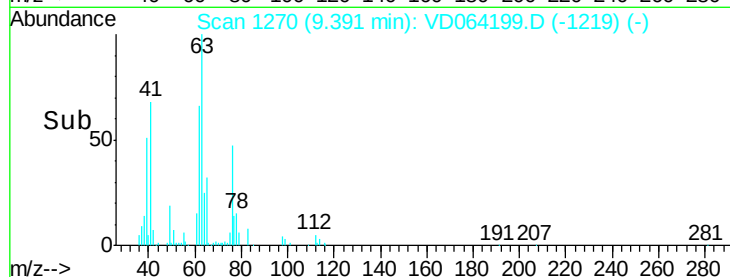
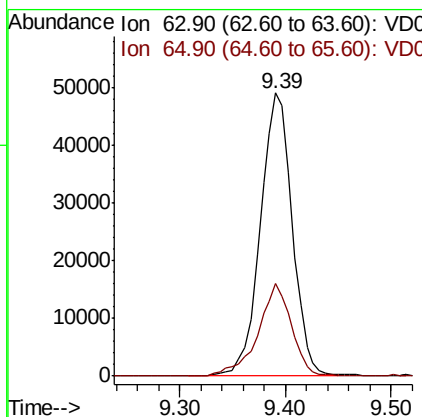
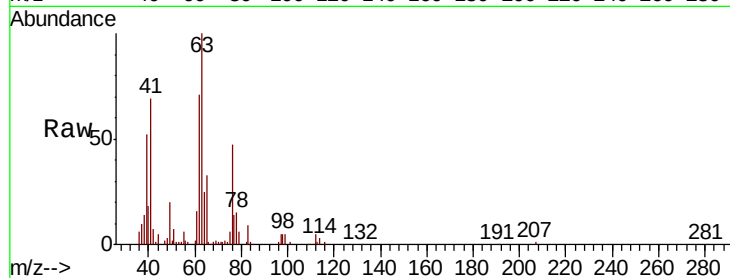
#45
 1,2-Dichloropropane
 Concen: 19.517 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.9	25.7	38.5

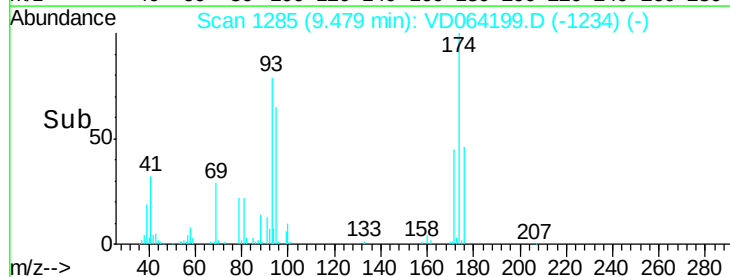
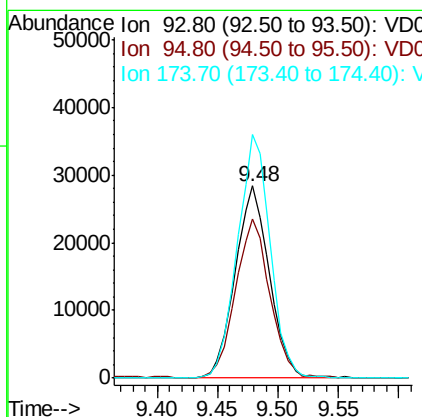
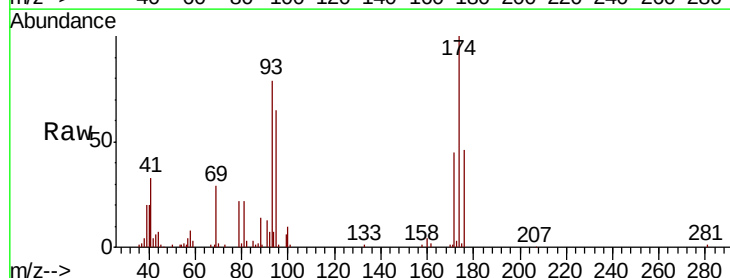
Manual Integrations
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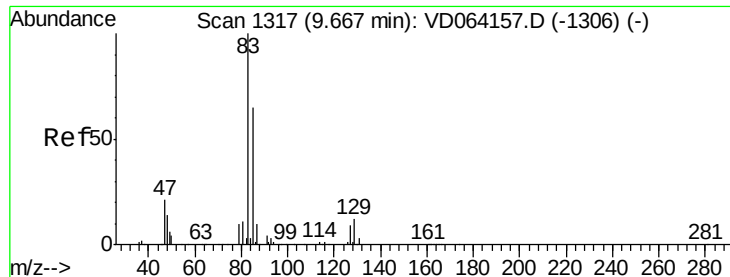
MMDadoda
 11/13/2019 9:39:01 AM



#46
 Dibromomethane
 Concen: 19.938 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.5	98.3
174	121.4	93.9	140.9





#47

Bromodichloromethane

Concen: 19.610 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

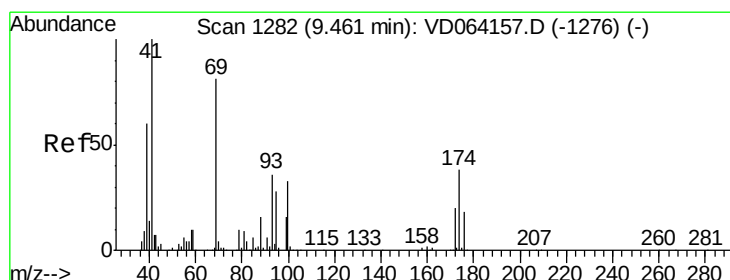
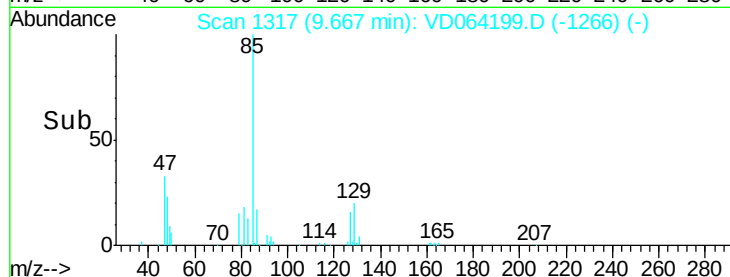
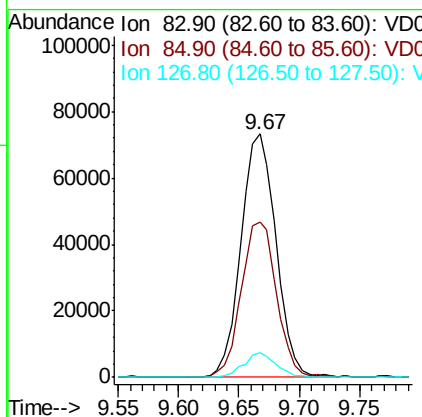
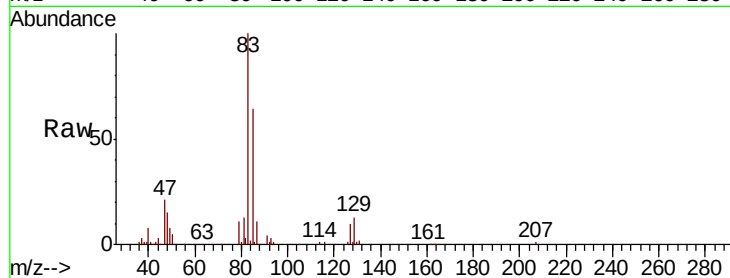
ClientSampleId :

VD1112SBSD01

Tot Ion:	83	Resp:	148578
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.2	78.4
127	10.0	7.5	11.3

Manual Integrations
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MMDadoda
11/13/2019 9:39:01 AM



#48

Methyl methacrylate

Concen: 19.141 ug/l

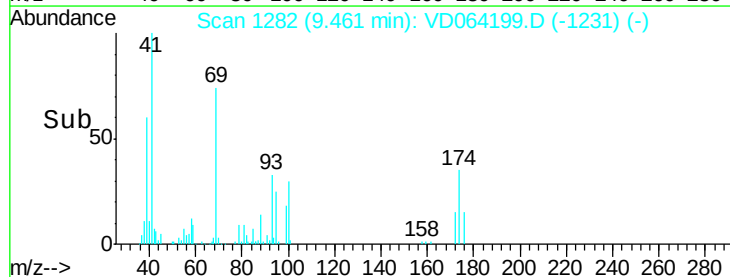
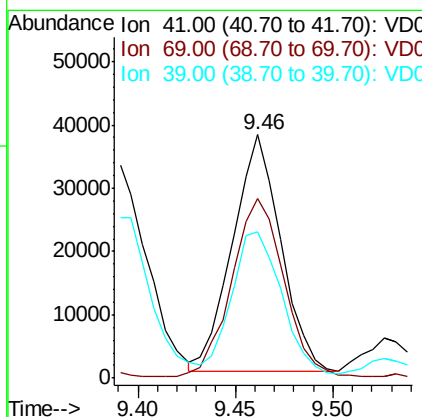
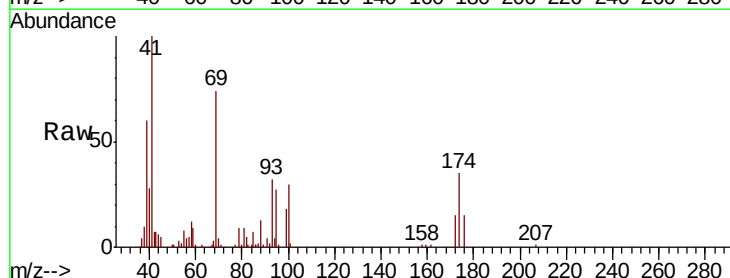
RT: 9.46 min Scan# 1282

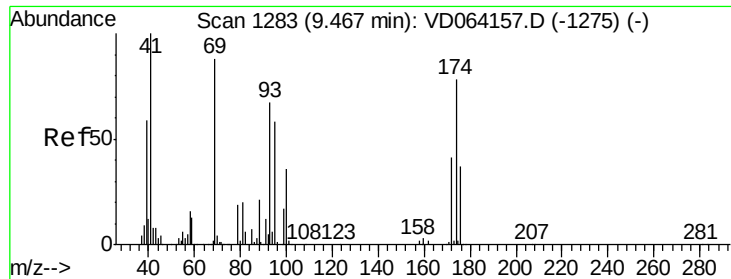
Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion:	41	Resp:	64212
Ion	Ratio	Lower	Upper
41	100		
69	81.7	64.6	97.0
39	62.2	48.2	72.2





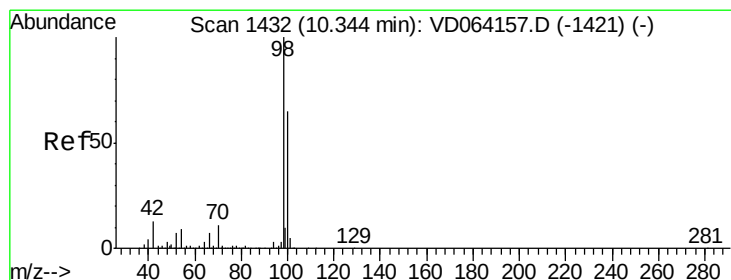
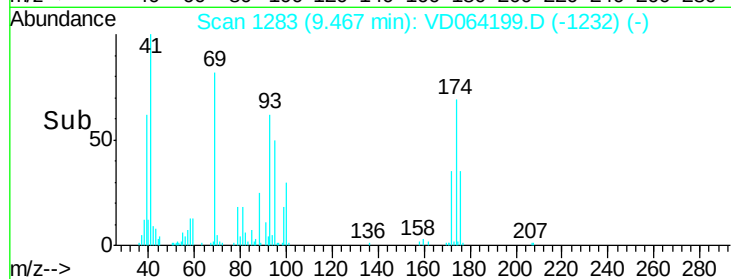
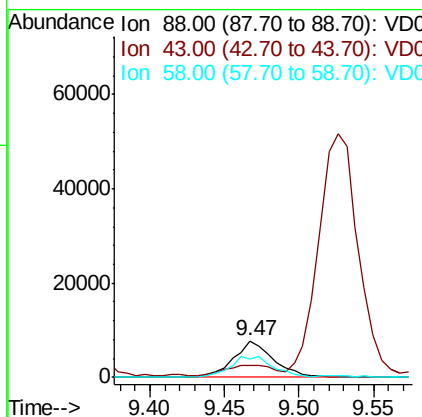
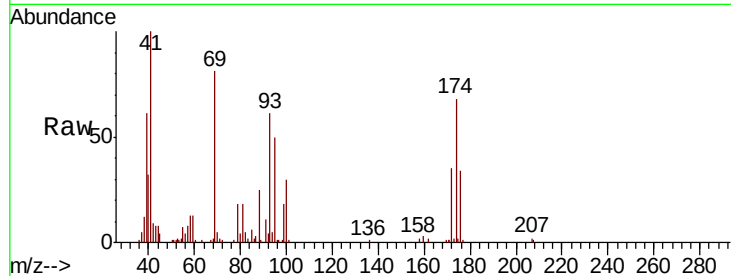
#49
1,4-Dioxane
Concen: 415.826 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	88	Resp	14047
Ion	Ratio	Lower	Upper
88	100		
43	37.7	29.8	44.8
58	65.1	58.1	87.1

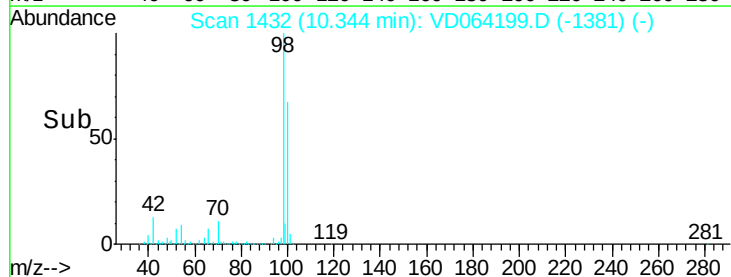
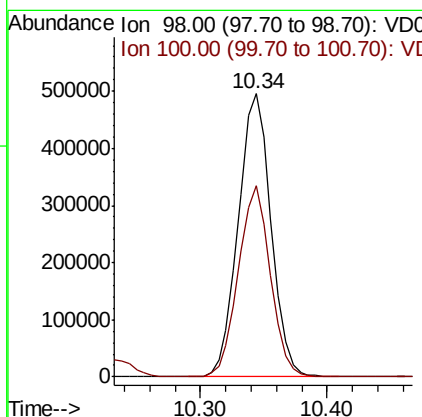
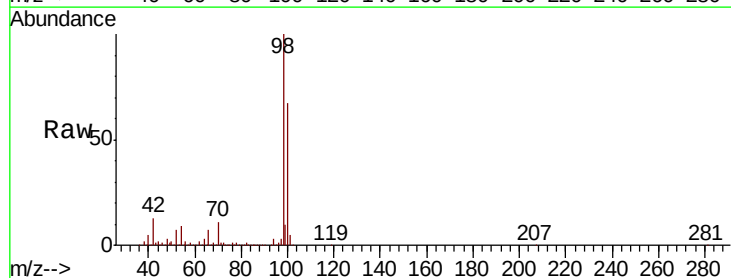
Manual Integrations
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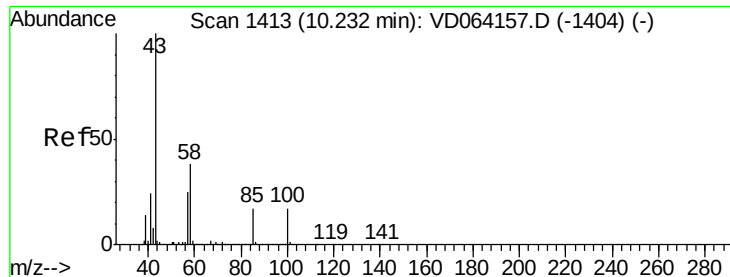
MMDadoda
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#50
Toluene-d8
Concen: 48.049 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	98	Resp	890424
Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





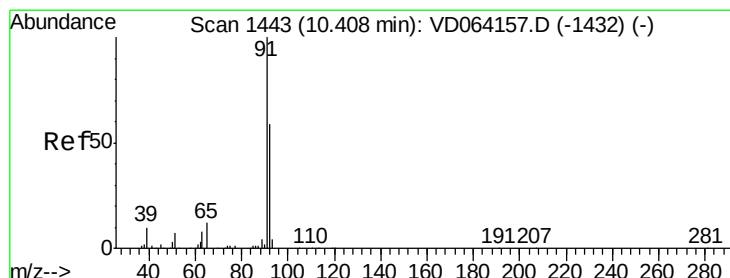
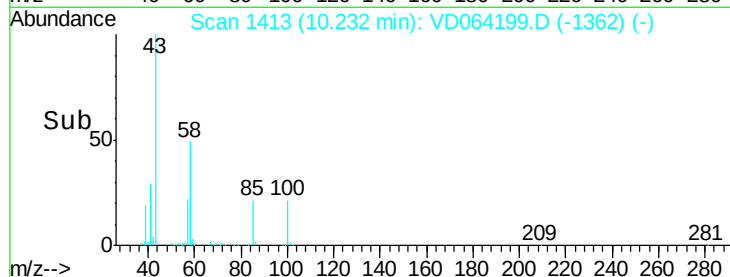
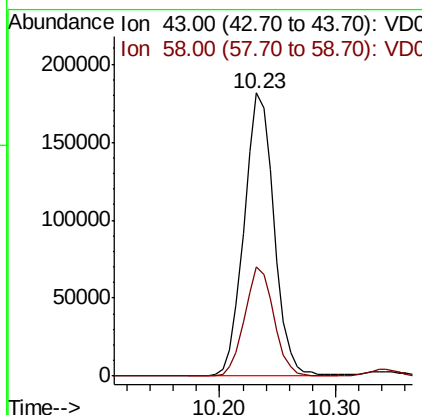
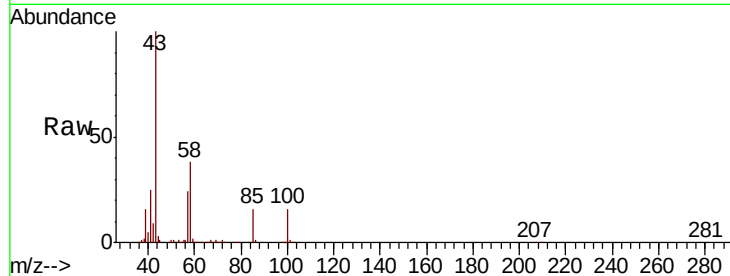
#51
4-Methyl-2-Pentanone
Concen: 99.120 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.2	45.4

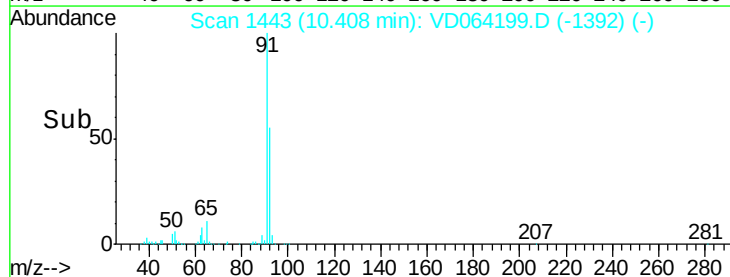
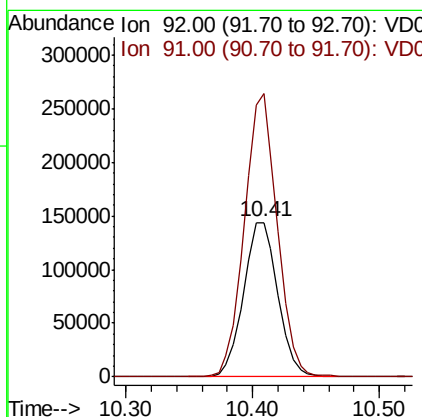
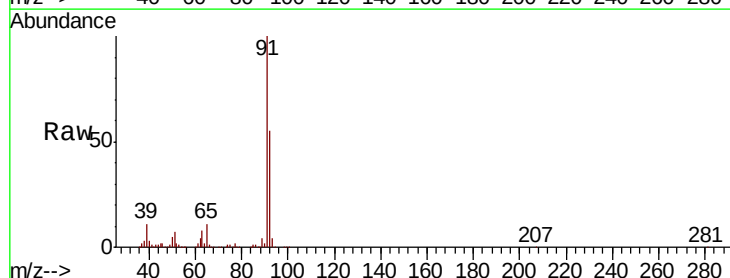
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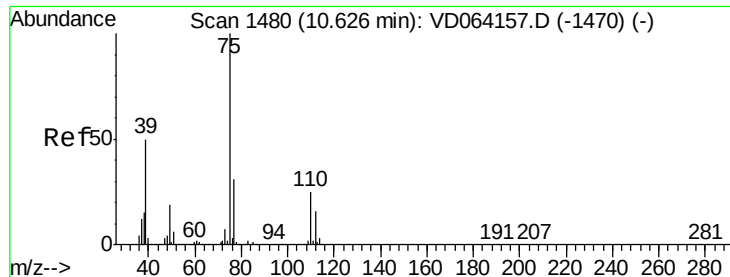
MMDadoda
11/13/2019 9:39:01 AM



#52
Toluene
Concen: 18.965 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
92	100		
91	176.8	136.4	204.6





#53

t-1,3-Dichloropropene

Concen: 19.398 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 75 Resp: 147240

Ion Ratio Lower Upper

75 100

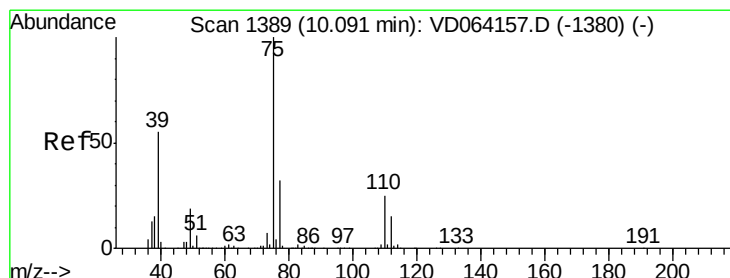
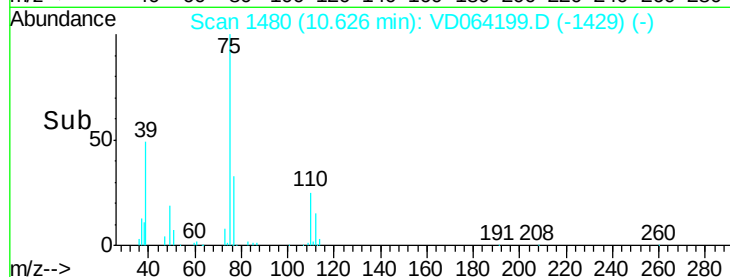
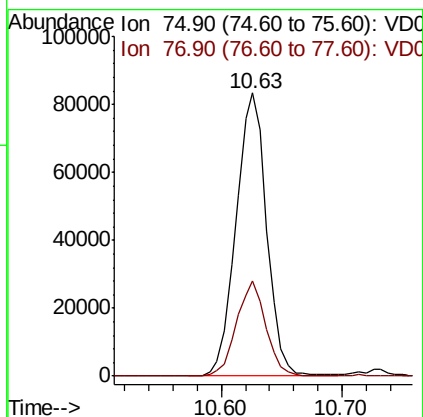
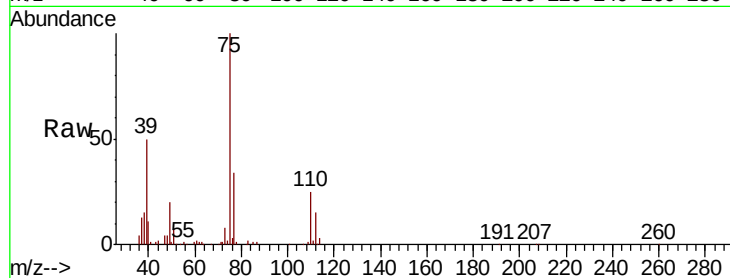
77 33.4 24.7 37.1

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 19.272 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

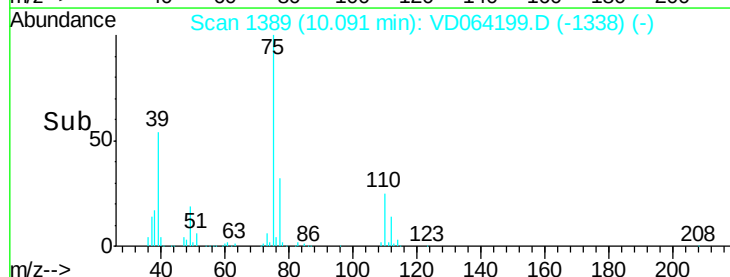
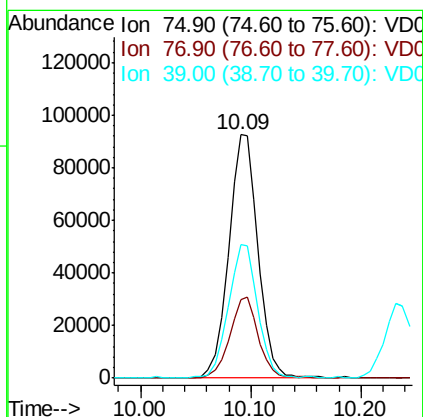
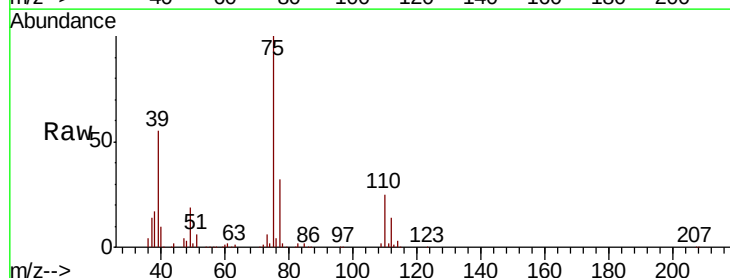
Tgt Ion: 75 Resp: 170700

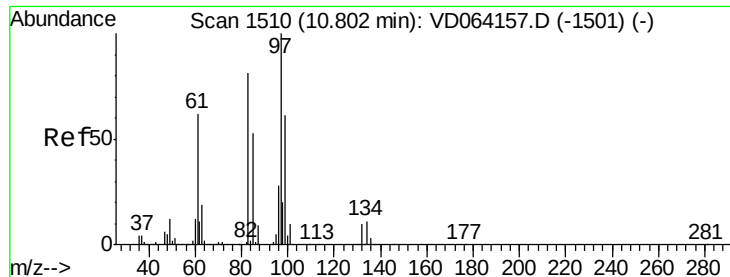
Ion Ratio Lower Upper

75 100

77 32.2 25.2 37.8

39 54.5 44.2 66.2





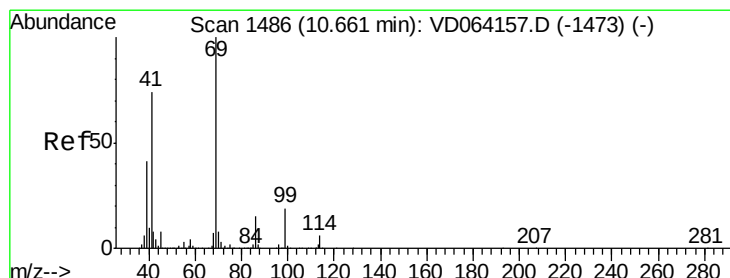
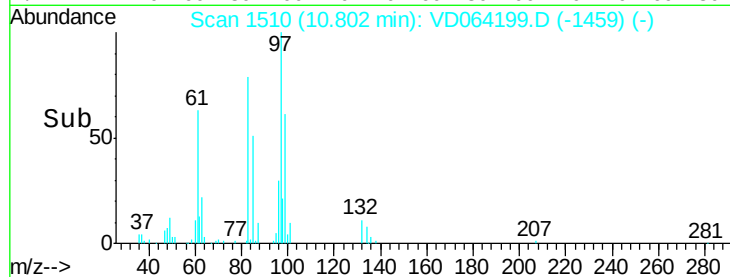
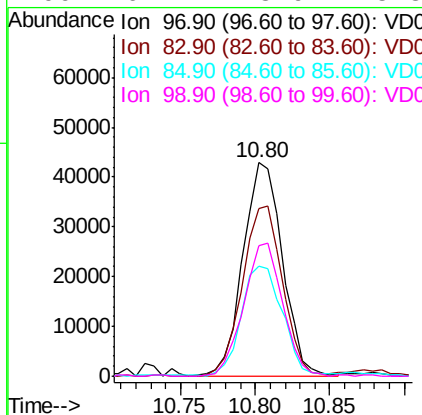
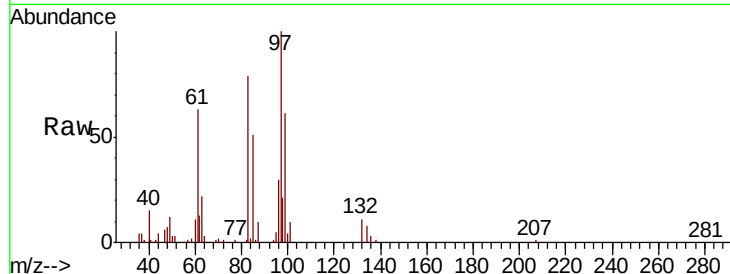
#55
 1,1,2-Trichloroethane
 Concen: 20.615 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		78661		
83	78.8	65.1	97.7		
85	50.8	42.0	63.0		
99	61.1	48.9	73.3		

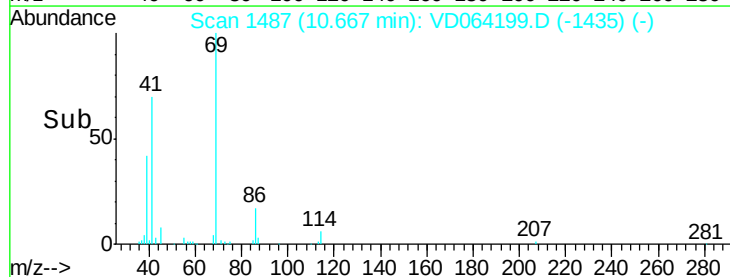
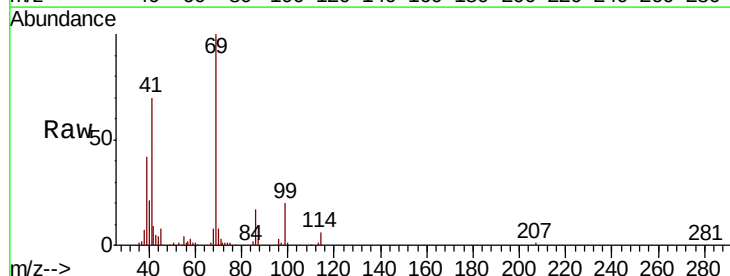
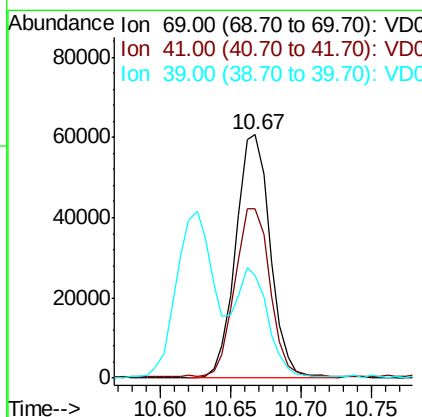
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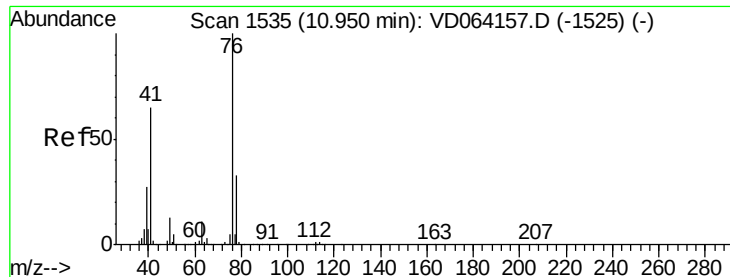
MMDadoda
 11/13/2019 9:39:01 AM



#56
 Ethyl methacrylate
 Concen: 19.491 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		104037		
41	70.5	57.9	86.9		
39	38.2	29.0	43.4		





#57

1,3-Dichloropropane

Concen: 20.248 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 76 Resp: 134744

Ion Ratio Lower Upper

76 100

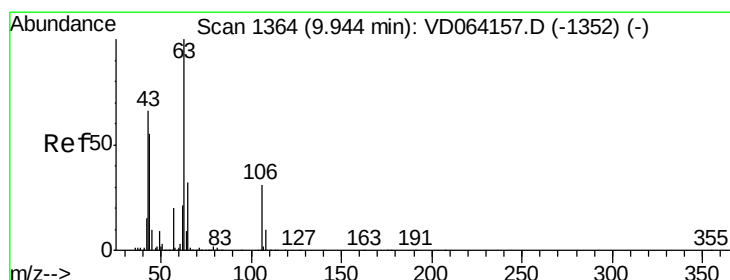
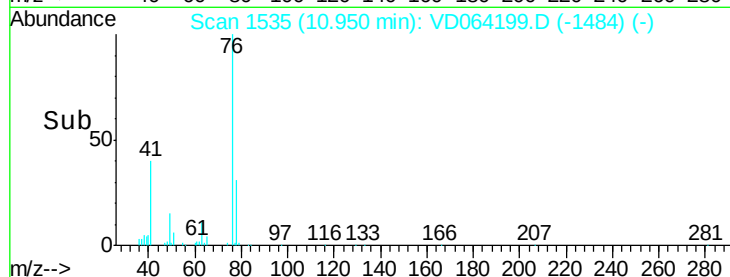
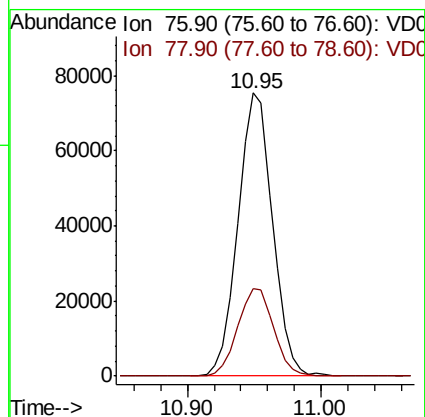
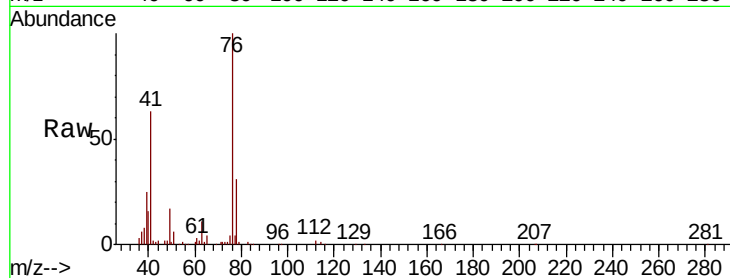
78 32.0 26.2 39.4

Manual Integrations

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11/13/2019 9:39:01 AM



#58

2-Chloroethyl Vinyl ether

Concen: 99.599 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064199.D

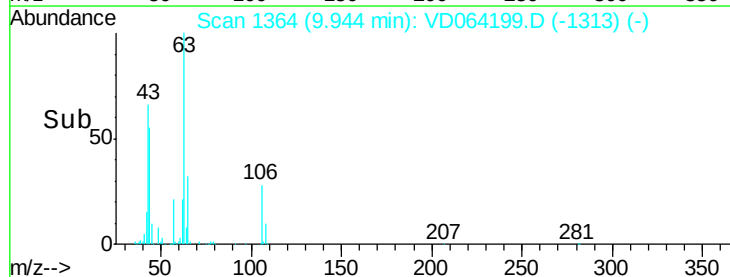
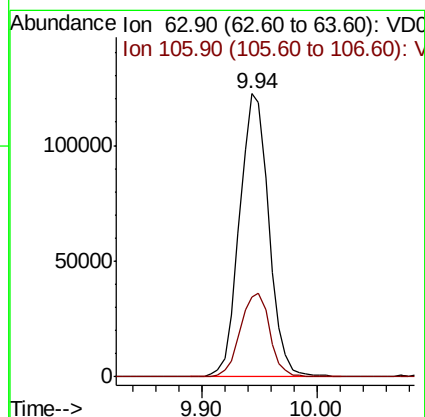
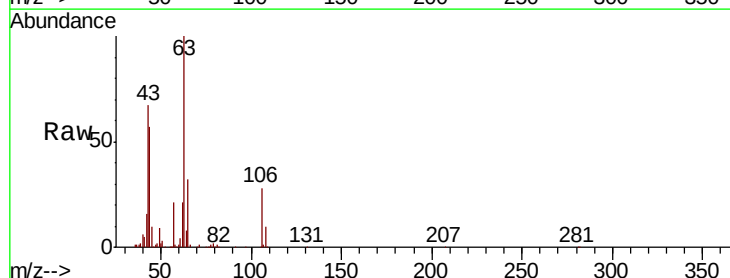
Acq: 12 Nov 2019 16:36

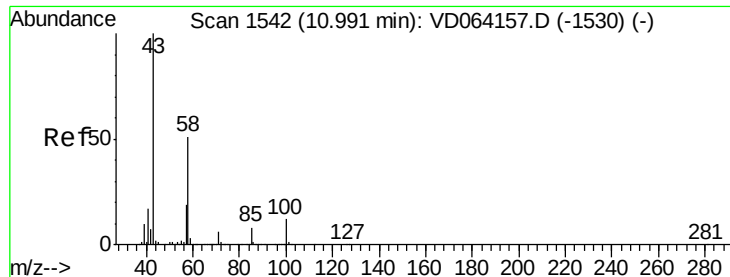
Tgt Ion: 63 Resp: 215348

Ion Ratio Lower Upper

63 100

106 29.6 24.1 36.1





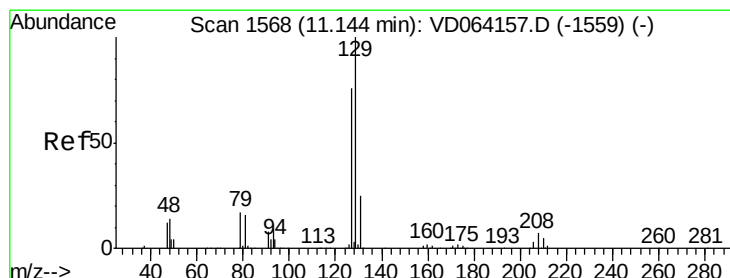
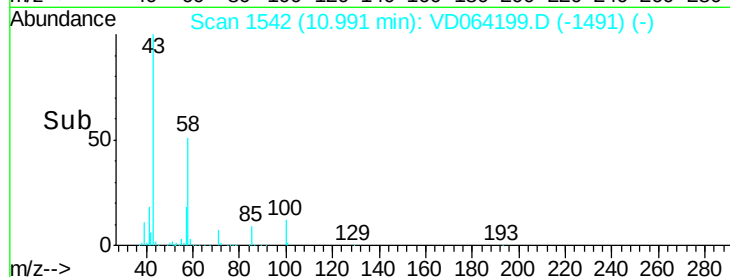
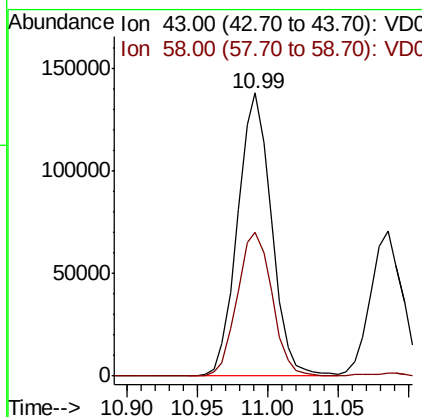
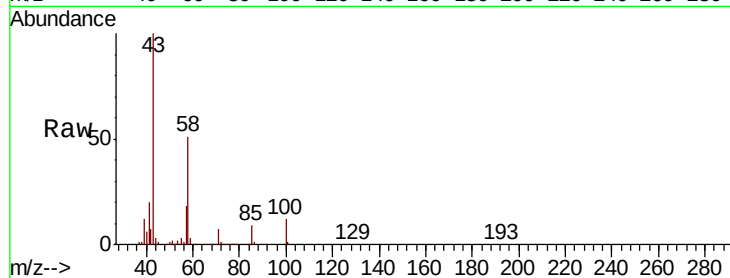
#59
2-Hexanone
Concen: 98.233 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion: 43 Resp: 229925
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7

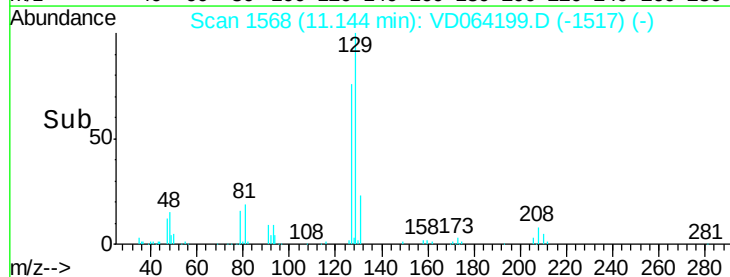
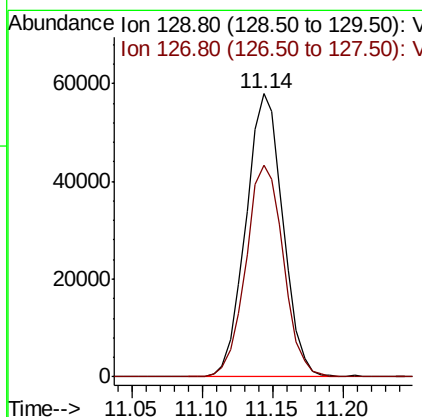
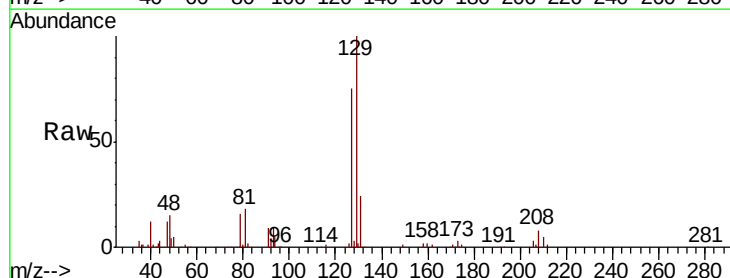
Manual Integrations
APPROVED

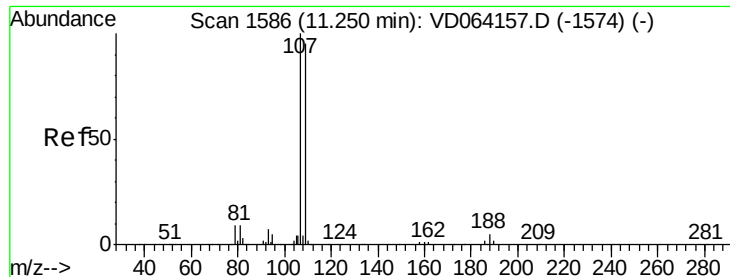
MMDadoda
11/13/2019 9:39:01 AM



#60
Dibromochloromethane
Concen: 20.040 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion: 129 Resp: 106701
Ion Ratio Lower Upper
129 100
127 75.7 38.6 115.8





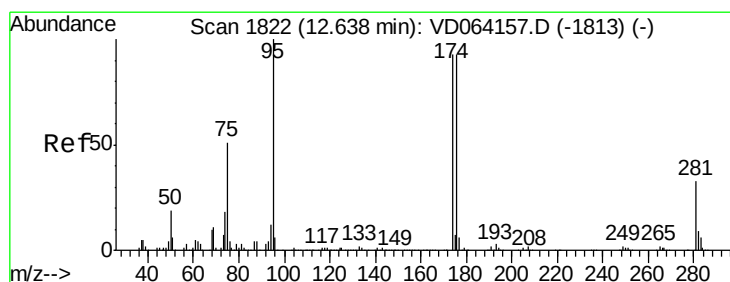
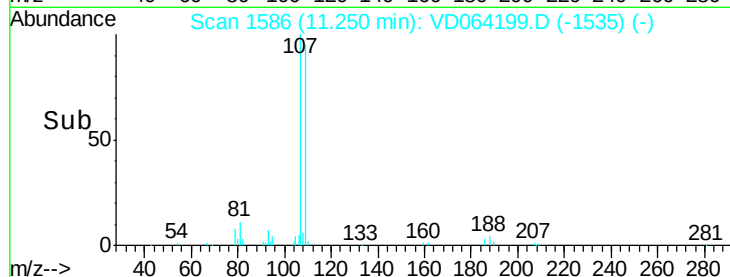
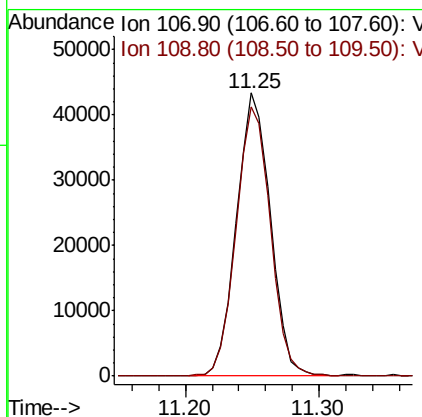
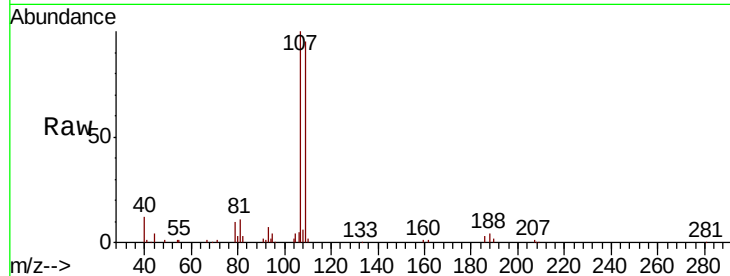
#61
 1,2-Dibromoethane
 Concen: 19.964 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.2	75.1	112.7

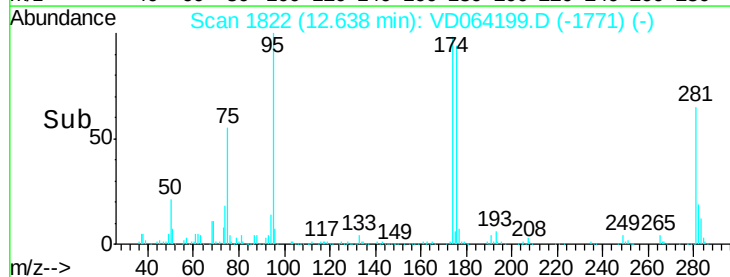
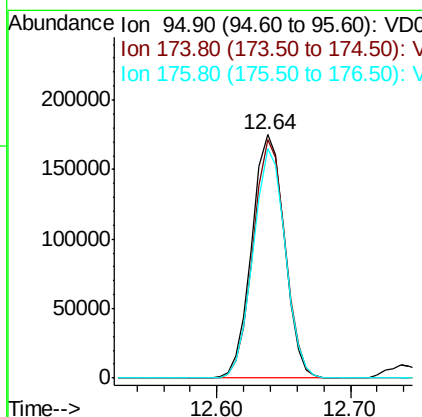
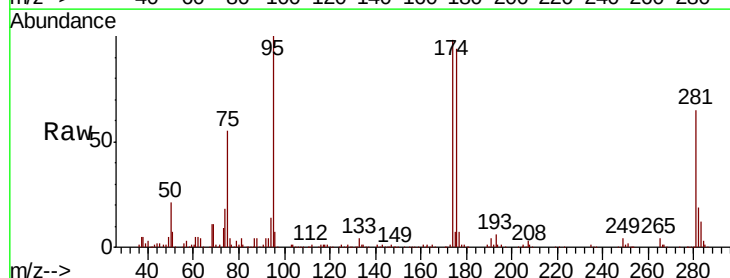
Manual Integrations
 APPROVED

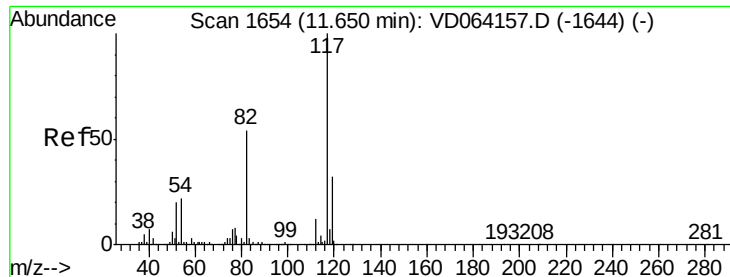
MMDadoda
 11/13/2019 9:39:01 AM



#62
 4-Bromofluorobenzene
 Concen: 46.053 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
95	100		
174	95.9	0.0	183.6
176	93.0	0.0	180.2





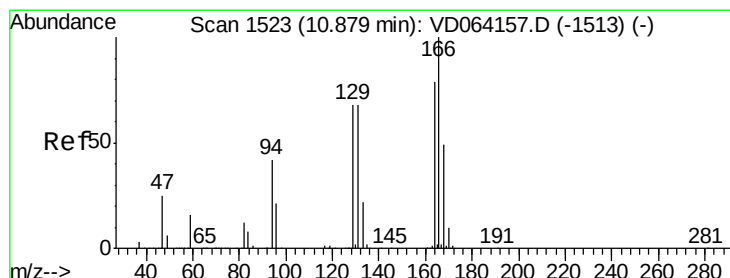
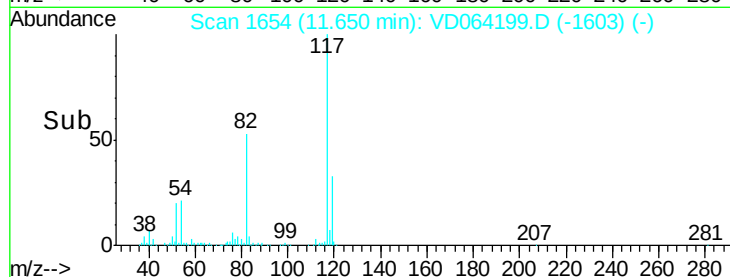
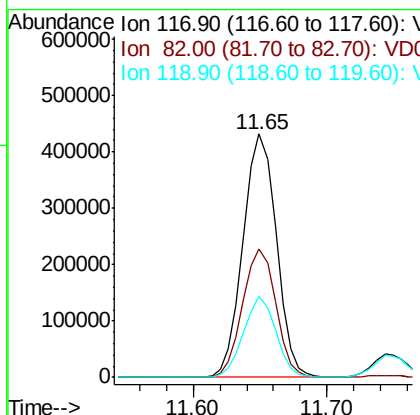
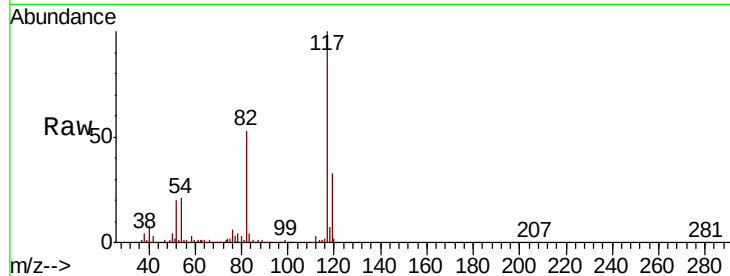
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.0	42.8	64.2
119	33.2	25.6	38.4

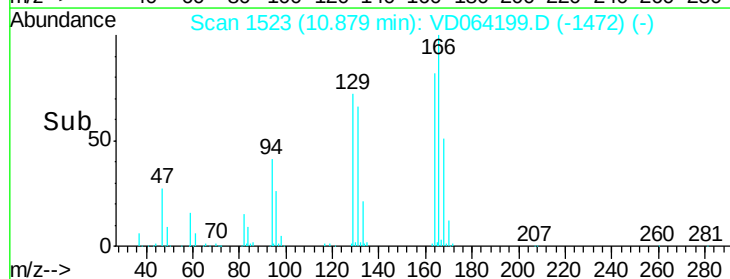
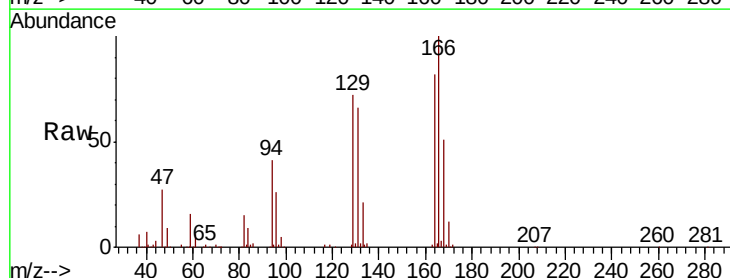
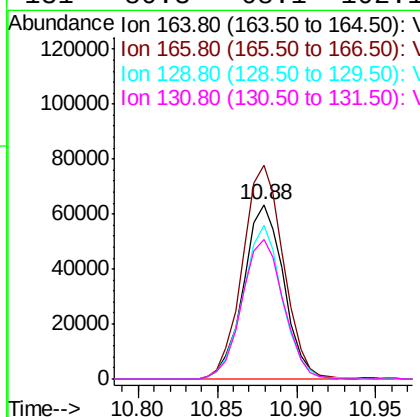
Manual Integrations
APPROVED

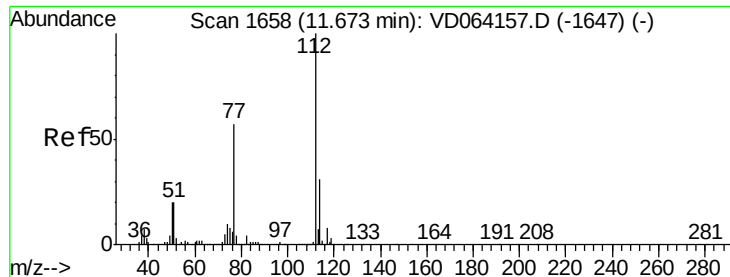
MMDadoda
11/13/2019 9:39:01 AM



#64
Tetrachloroethene
Concen: 19.390 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.5	100.8	151.2
129	87.7	68.7	103.1
131	80.3	68.1	102.1





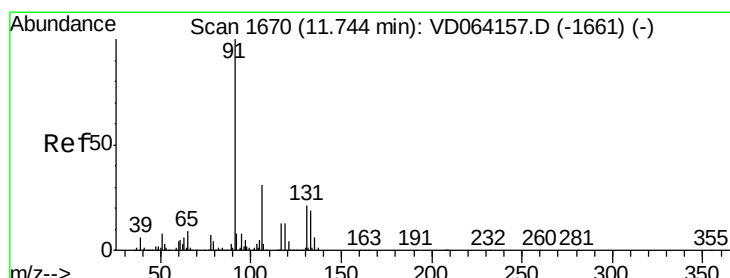
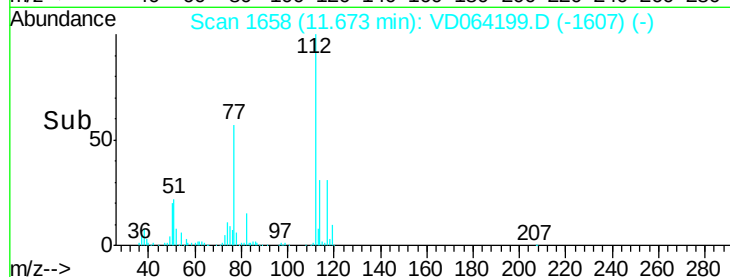
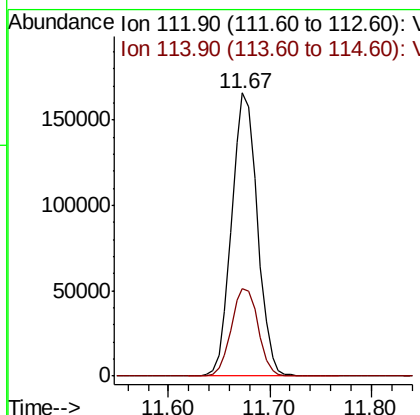
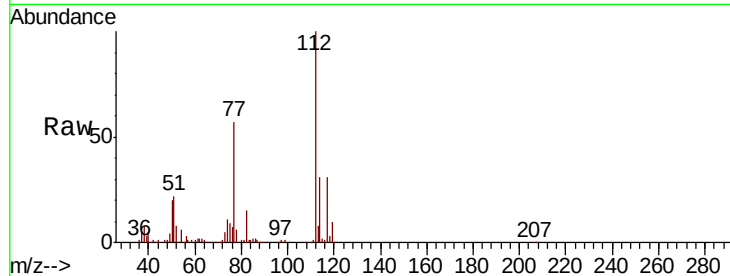
#65
Chlorobenzene
Concen: 19.179 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.9	25.2	37.8

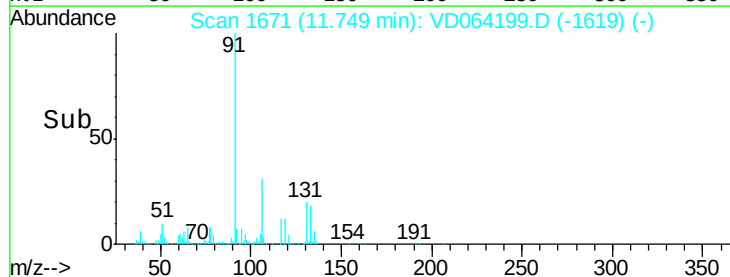
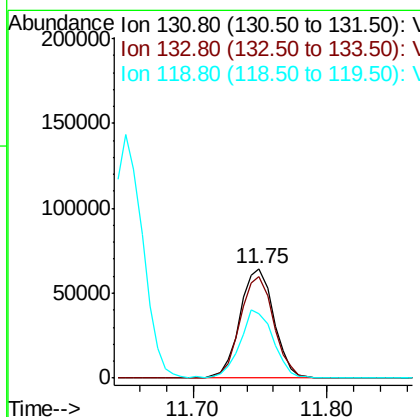
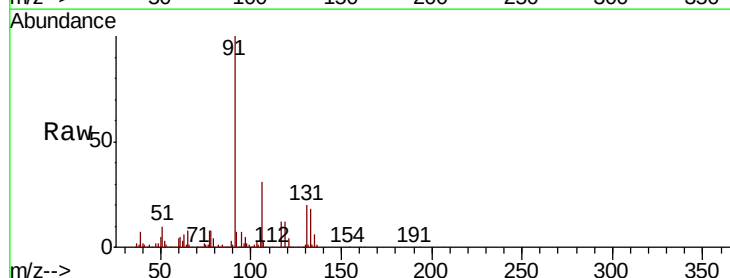
Manual Integrations
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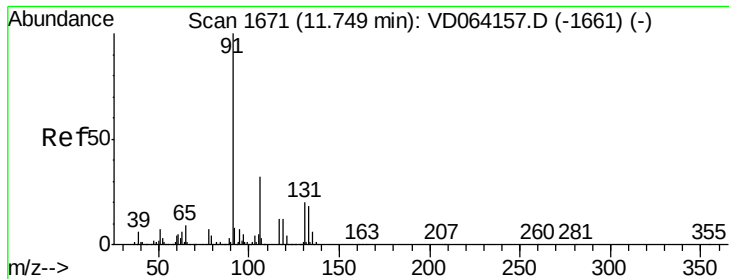
MMDadoda
11/13/2019 9:39:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.546 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	92.4	47.3	141.9
119	61.0	31.1	93.3





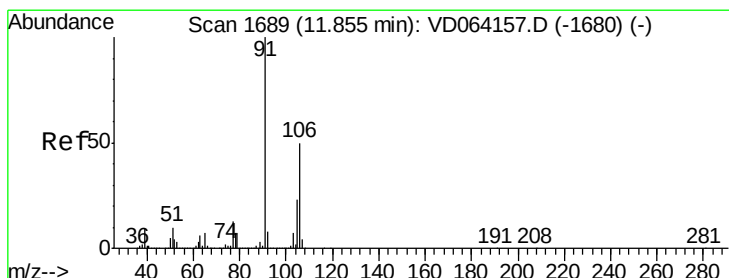
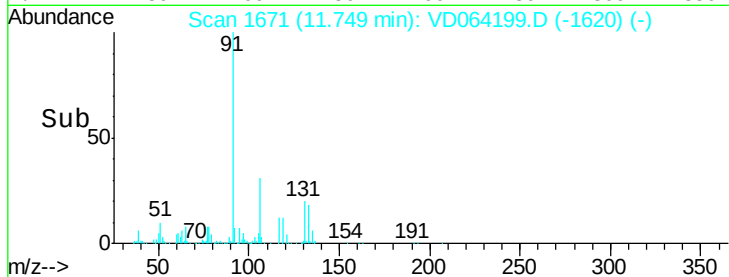
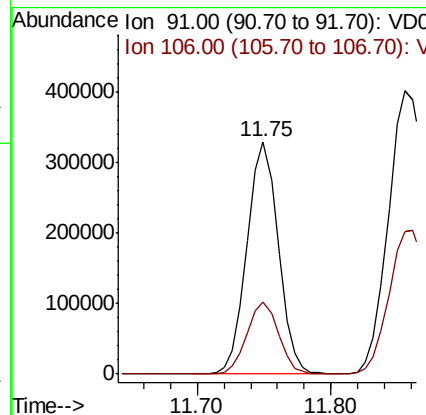
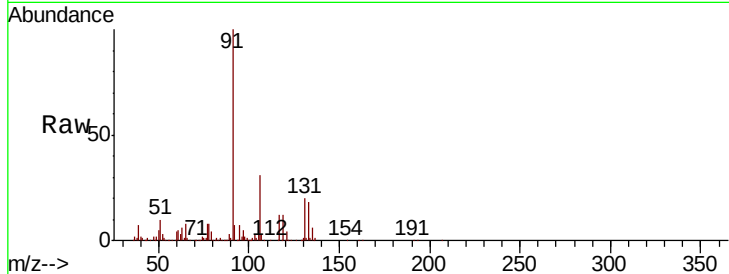
#67
Ethyl Benzene
Concen: 19.397 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		535119		
106	31.2		25.5	38.3	

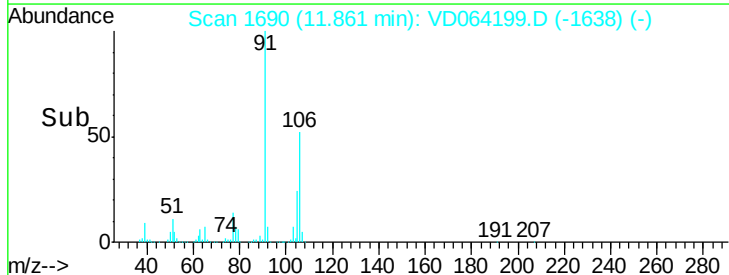
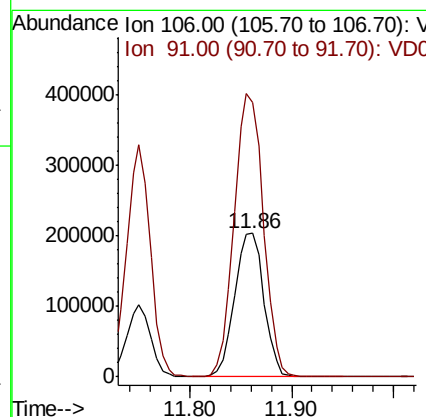
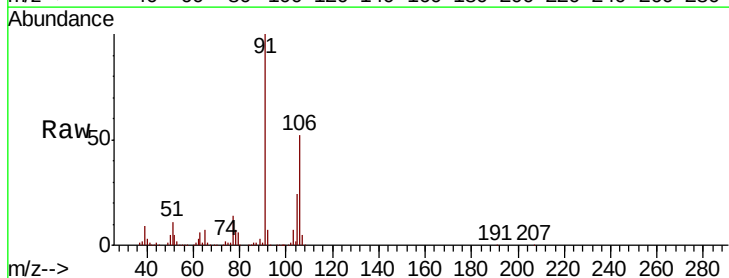
Manual Integrations
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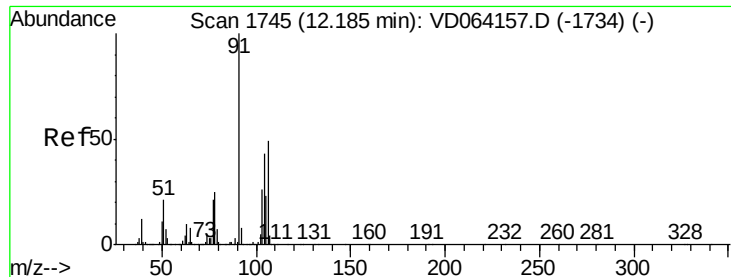
MMDadoda
11/13/2019 9:39:01 AM



#68
m/p-Xylenes
Concen: 38.667 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
106	100		408881		
91	196.5		160.3	240.5	





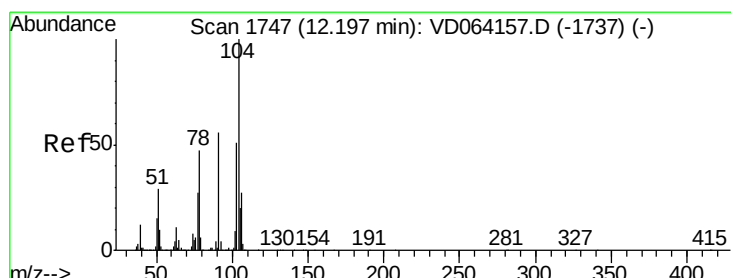
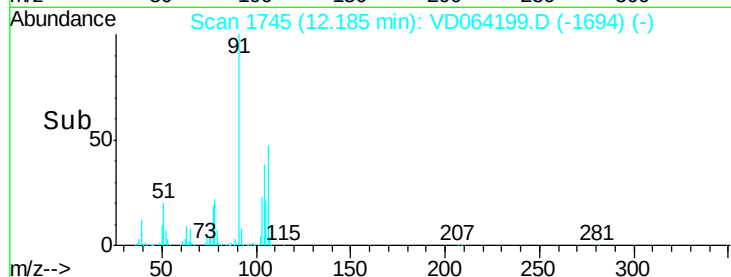
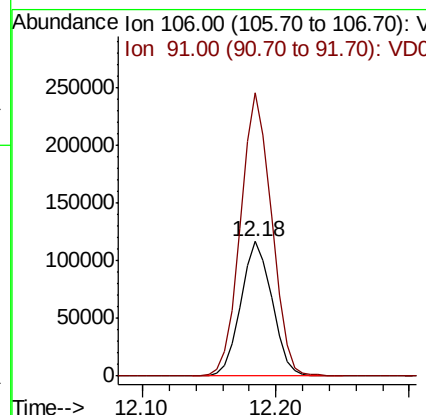
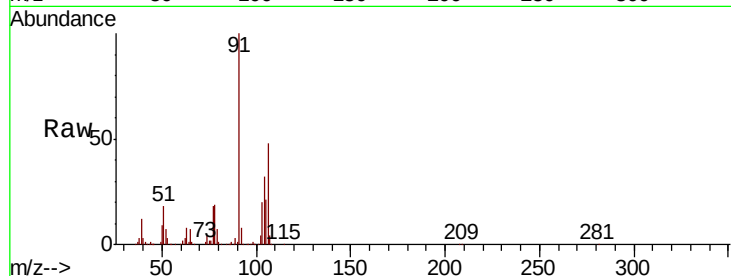
#69
o-Xylene
Concen: 19.368 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.4	105.1	315.3

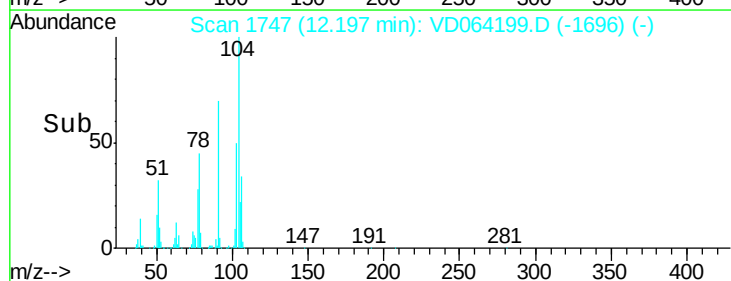
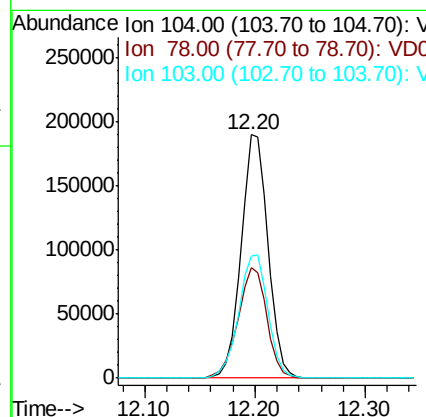
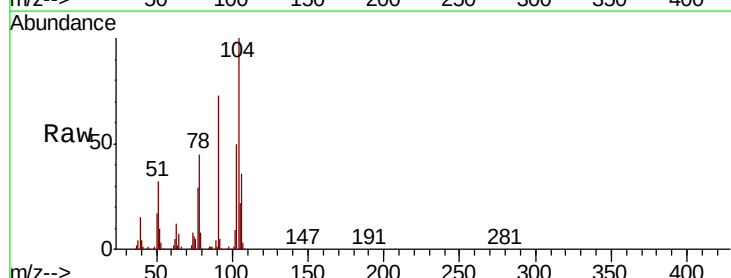
Manual Integrations
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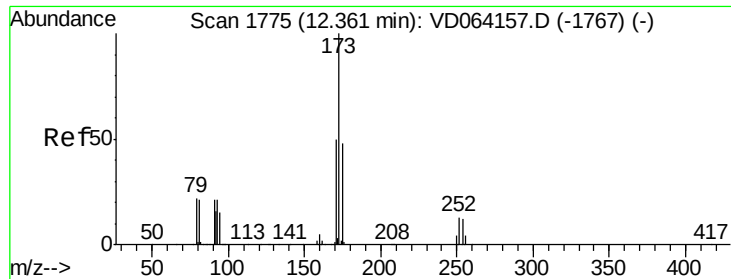
MMDadoda
11/13/2019 9:39:01 AM



#70
Styrene
Concen: 18.990 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.9	59.9
103	54.8	43.4	65.0





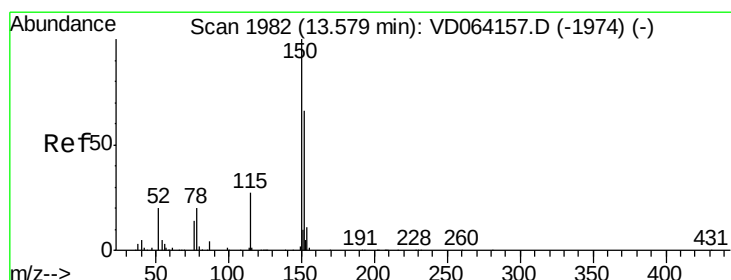
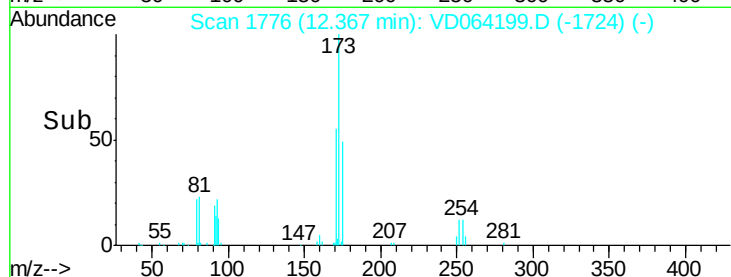
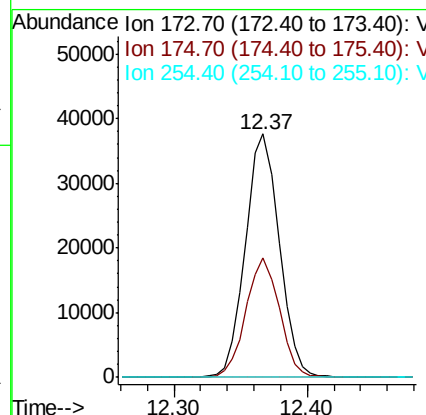
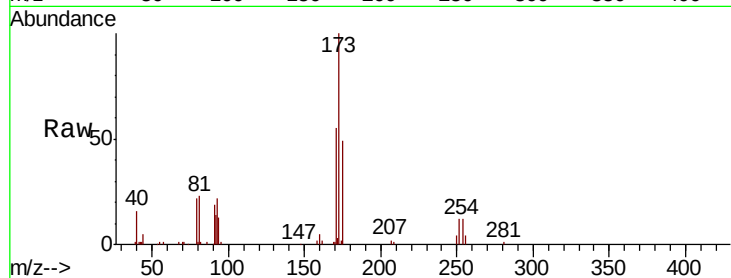
#71
Bromoform
Concen: 20.019 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.1	72.3
254	0.0	0.2	0.2

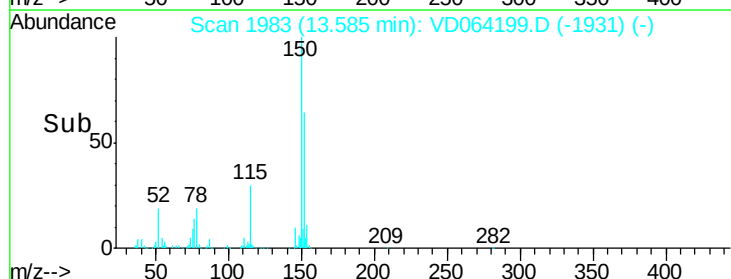
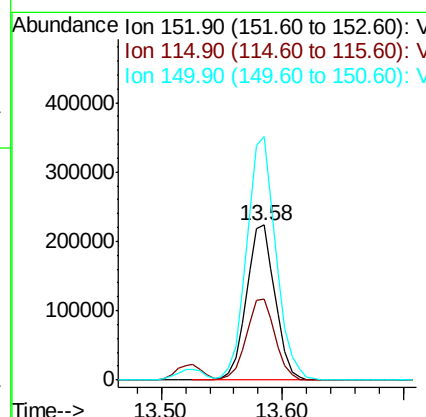
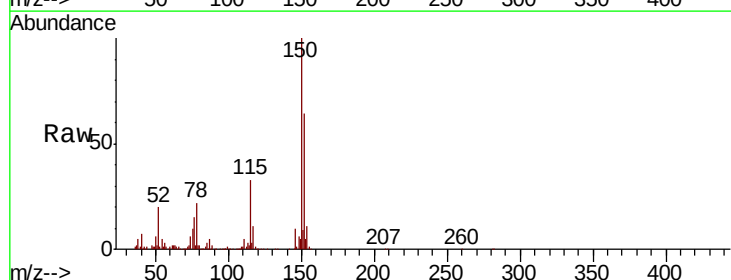
Manual Integrations
APPROVED

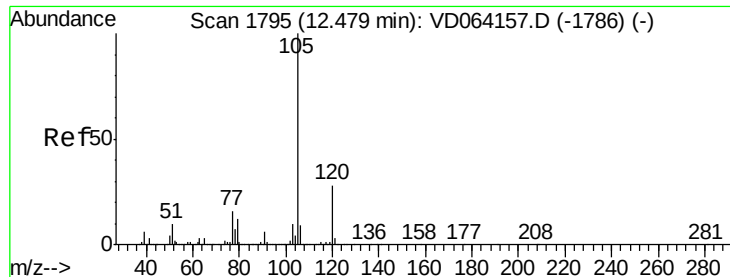
MMDadoda
11/13/2019 9:39:01 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
152	100		
115	52.4	27.4	82.2
150	161.1	0.0	351.6





#73

Isopropylbenzene

Concen: 18.869 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBSD01

Tot Ion: 105 Resp: 509817

Ion Ratio Lower Upper

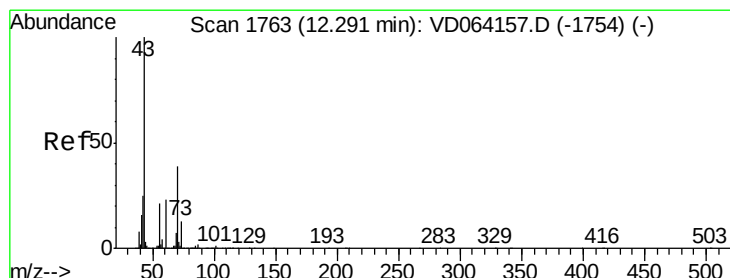
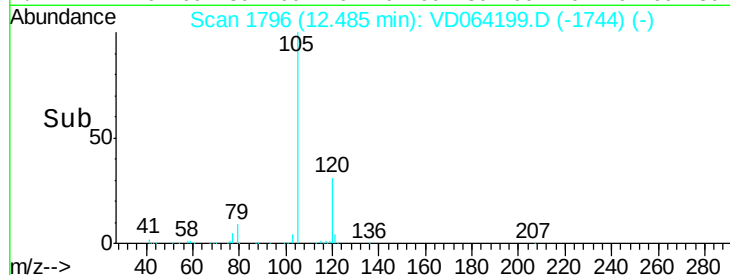
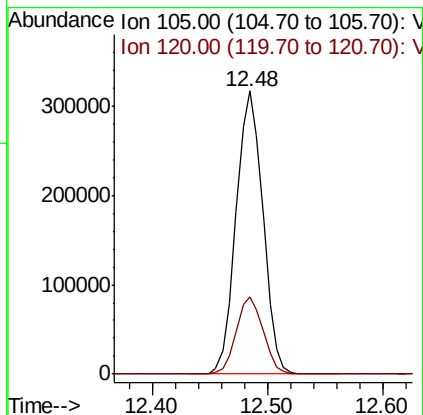
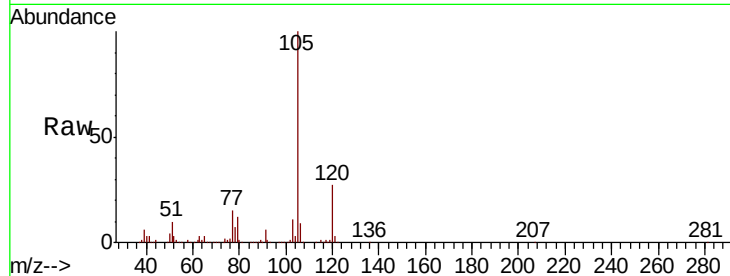
105 100

120 27.2 13.6 40.8

Manual Integrations
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11/13/2019 9:39:01 AM



#74

N-ethyl acetate

Concen: 19.029 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion: 43 Resp: 121418

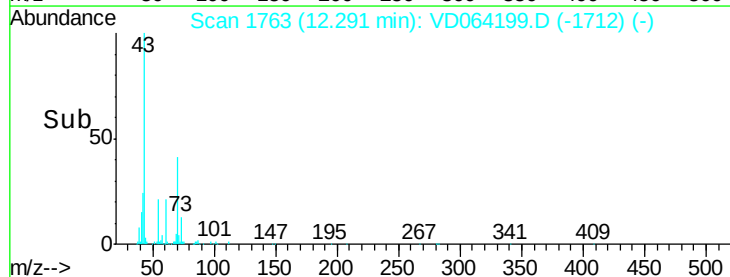
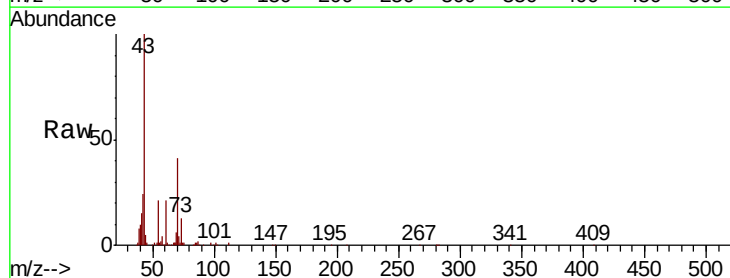
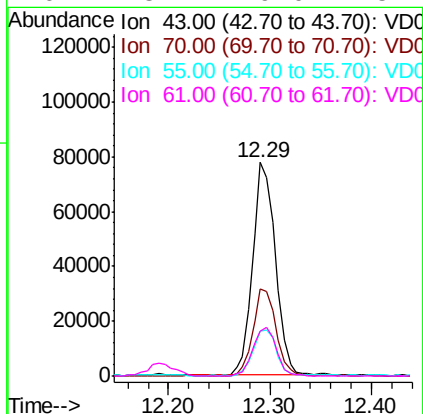
Ion Ratio Lower Upper

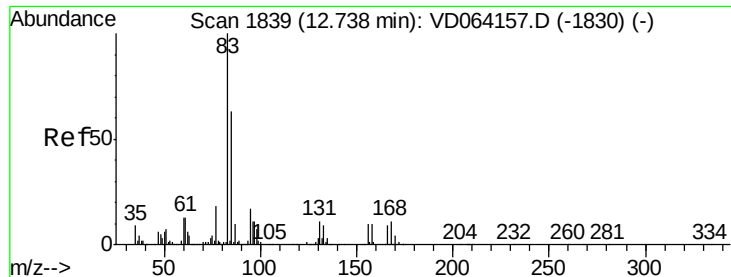
43 100

70 41.4 32.4 48.6

55 23.1 17.9 26.9

61 23.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.070 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

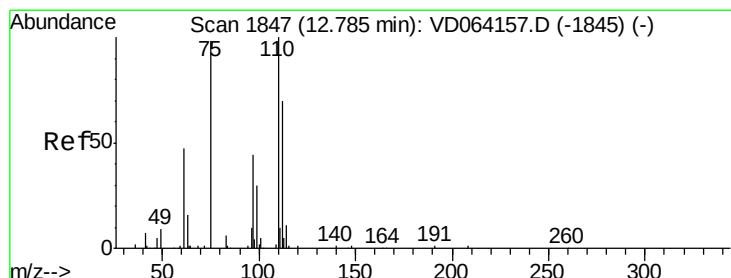
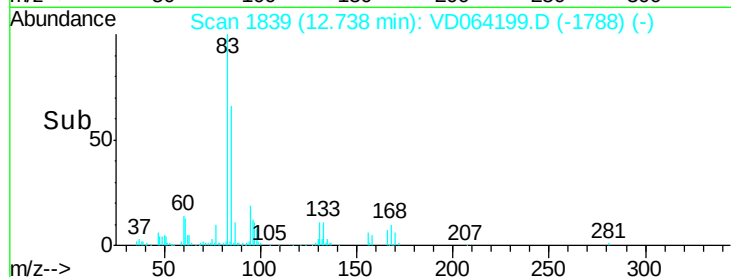
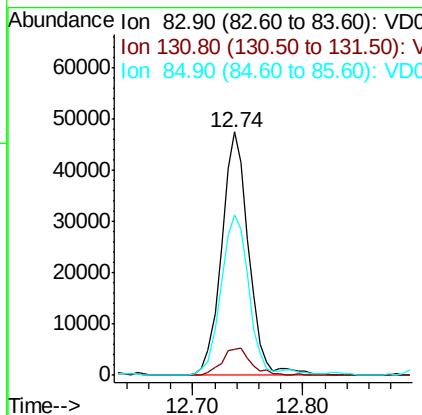
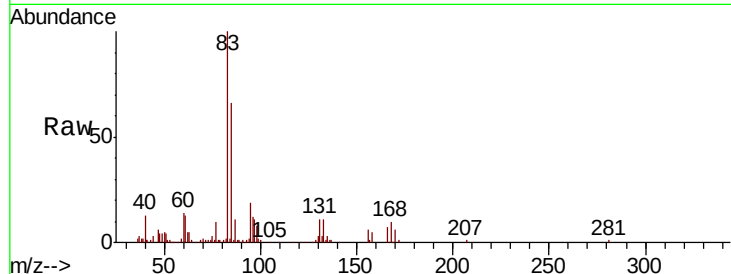
ClientSampleId :

VD1112SBS01

Tot Ion:	83	Resp:	81713
Ion Ratio	Lower	Upper	
83	100		
131	12.0	5.9	17.7
85	66.9	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.538 ug/l m

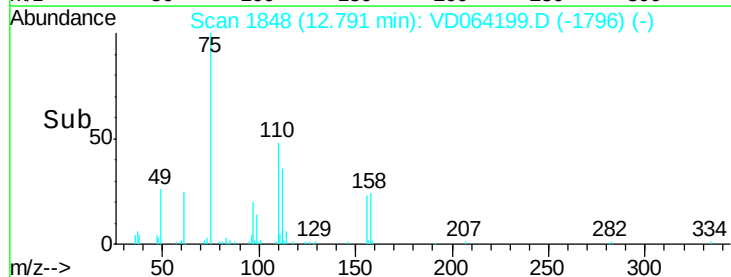
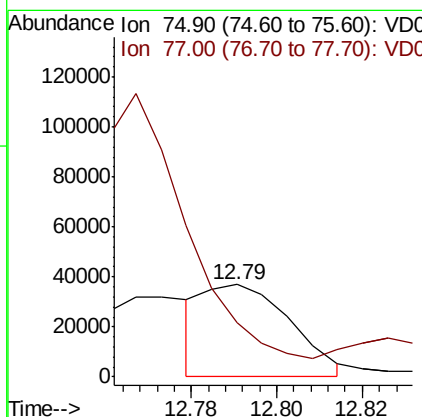
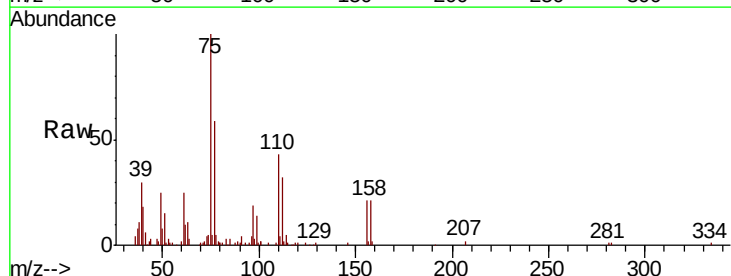
RT: 12.79 min Scan# 1848

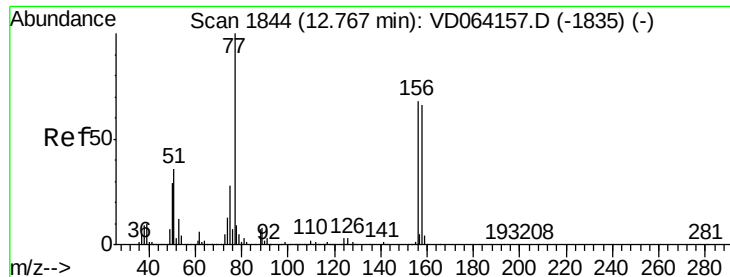
Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion:	75	Resp:	52002
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.190 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion:156 Resp: 125968

Ion Ratio Lower Upper

156 100

77 163.0 81.2 243.4

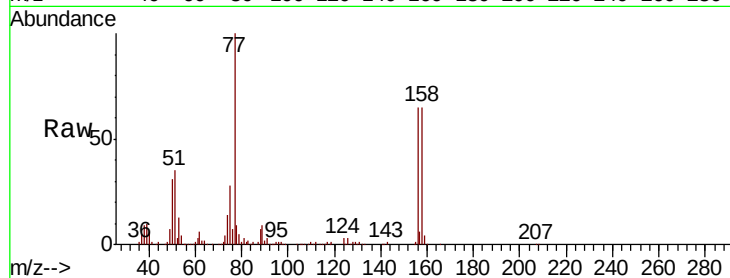
158 99.8 48.4 145.2

Manual Integrations

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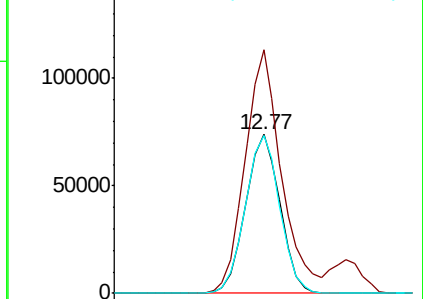
11/13/2019 9:39:01 AM



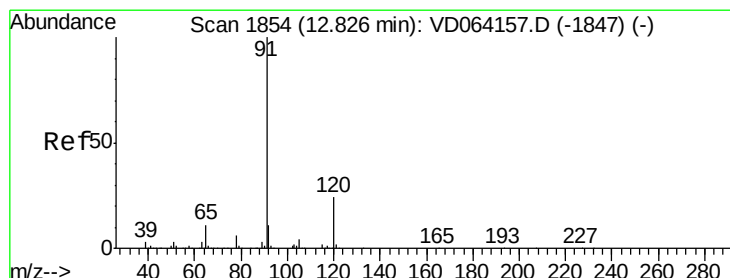
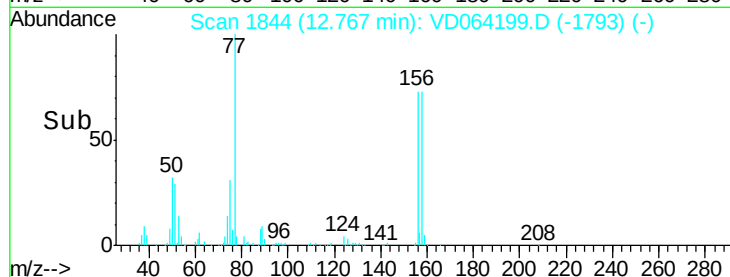
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 19.107 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064199.D

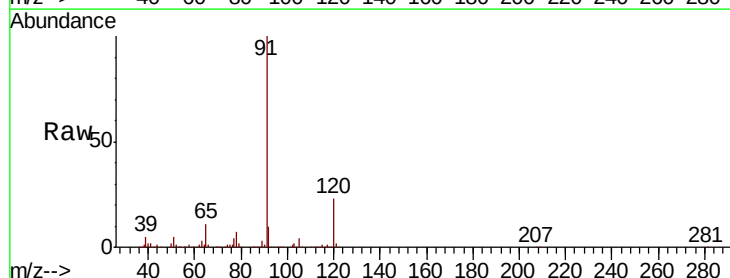
Acq: 12 Nov 2019 16:36

Tgt Ion: 91 Resp: 589832

Ion Ratio Lower Upper

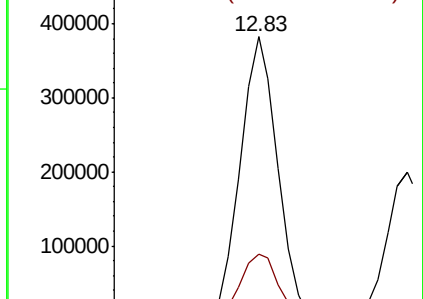
91 100

120 24.0 11.8 35.4

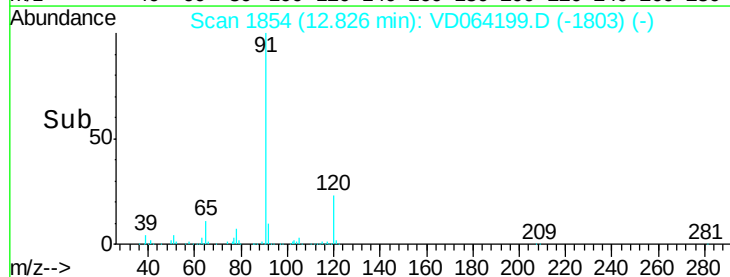


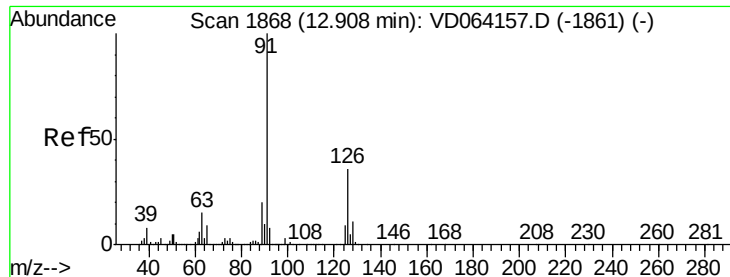
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 18.696 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

ClientSampleId :

VD1112SBS01

Tot Ion: 91 Resp: 325846

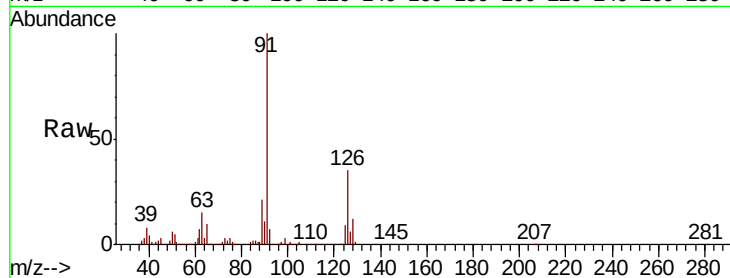
Ion Ratio Lower Upper

91 100

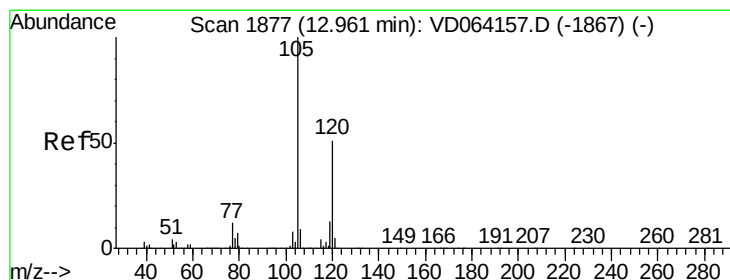
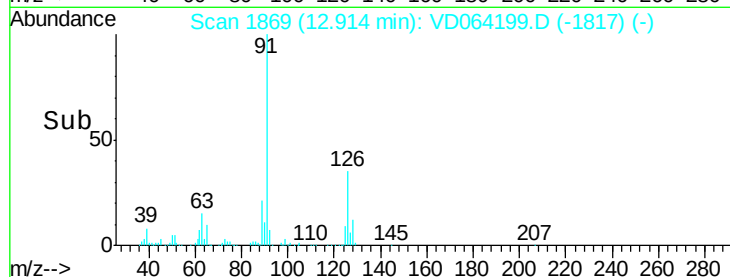
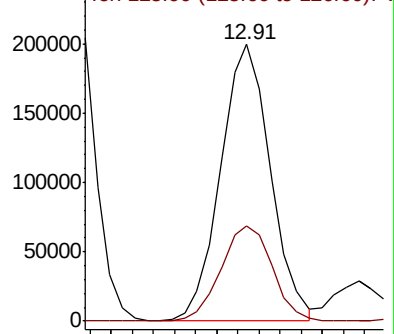
126 35.8 17.7 53.1

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Abundance Ion 91.00 (90.70 to 91.70): VD064199.D (-1817) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.002 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064199.D

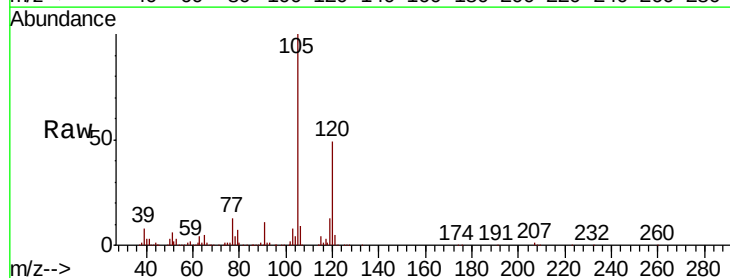
Acq: 12 Nov 2019 16:36

Tgt Ion: 105 Resp: 421868

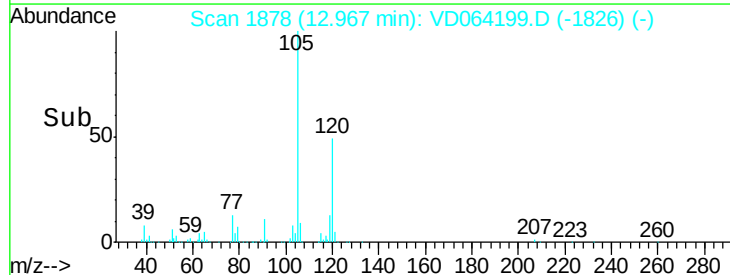
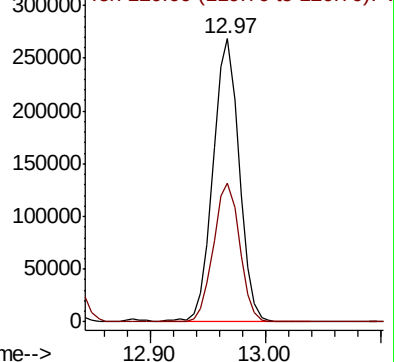
Ion Ratio Lower Upper

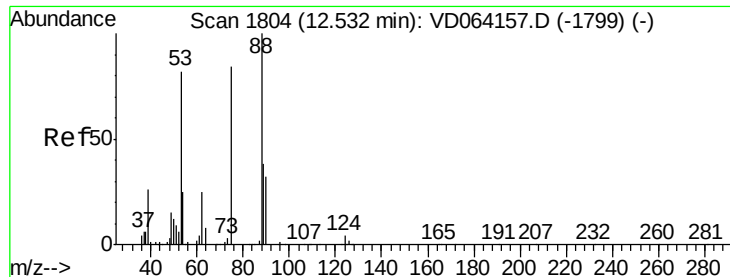
105 100

120 49.4 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064199.D (-1826) (-)





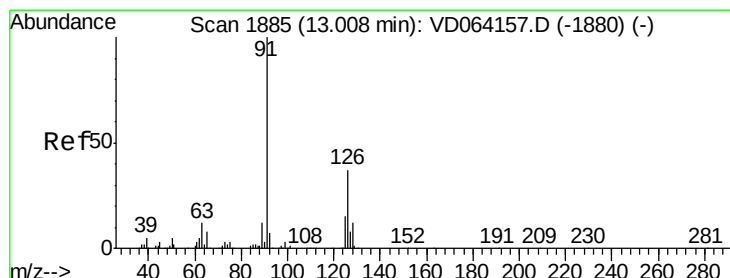
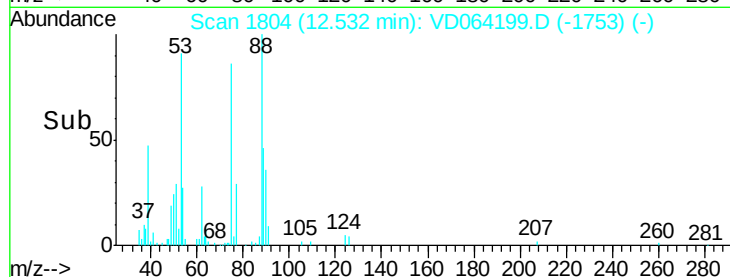
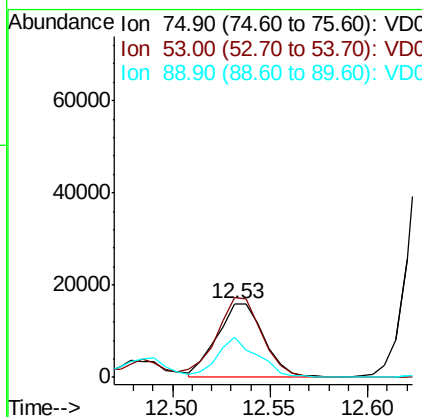
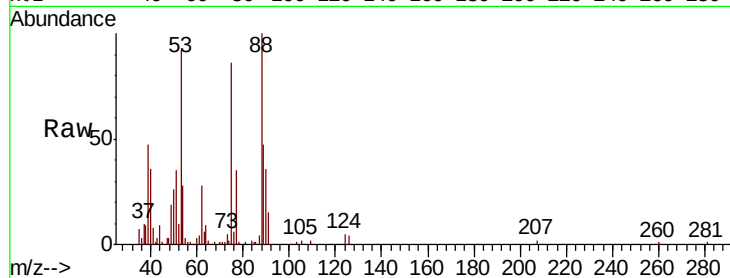
#81
trans-1,4-Dichloro-2-butene
Concen: 17.774 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.4	79.4	119.0
89	47.3	36.6	55.0

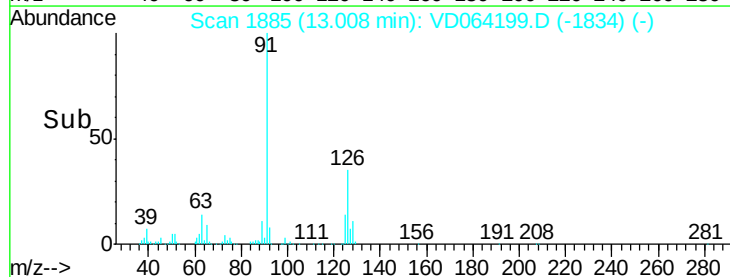
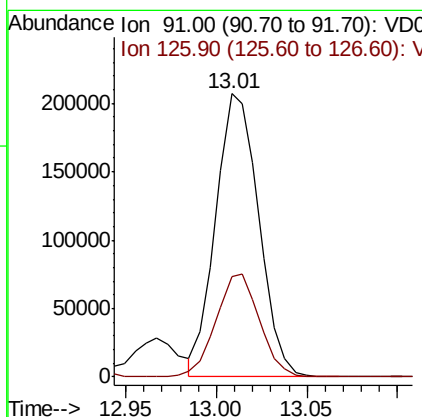
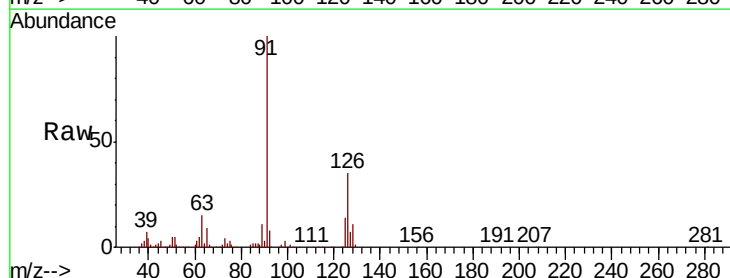
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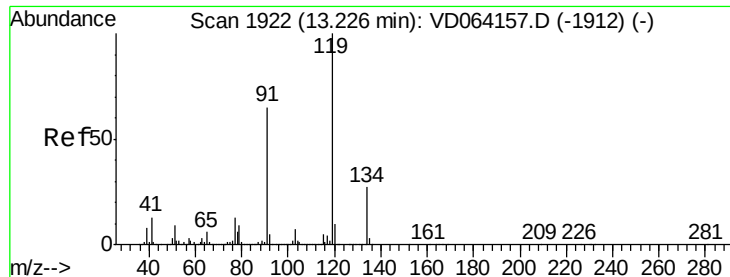
MMDadoda
11/13/2019 9:39:01 AM



#82
4-Chlorotoluene
Concen: 18.769 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.8	53.4





#83

tert-Butylbenzene

Concen: 18.869 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Instrument :

MSVOA_D

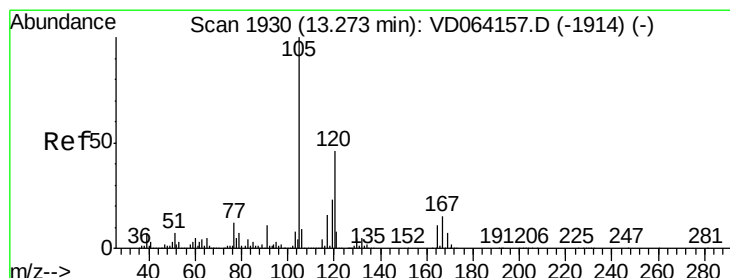
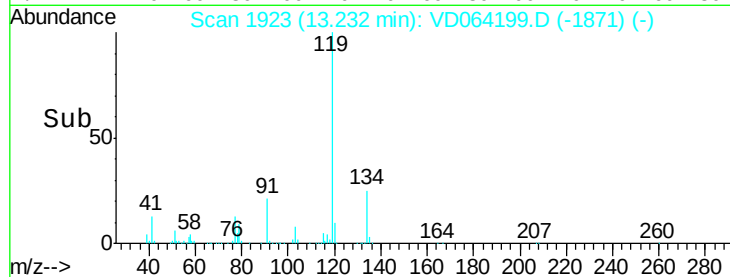
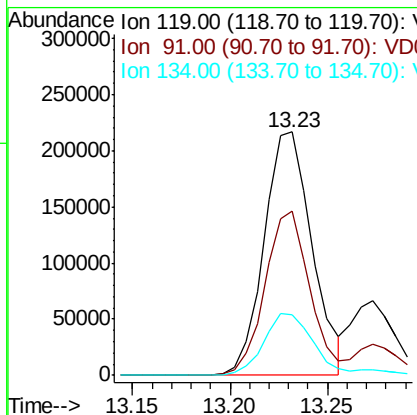
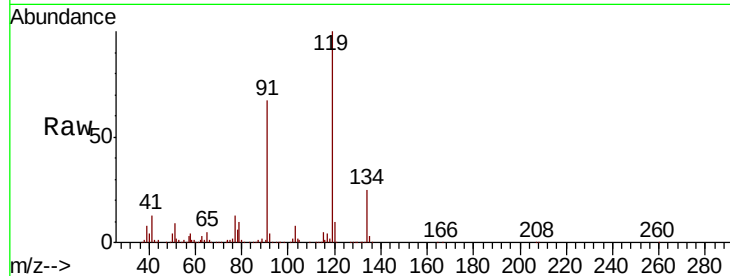
ClientSampleId :

VD1112SBSD01

Tot Ion:	119	Resp:	369394
Ion Ratio	Lower	Upper	
119	100		
91	62.7	31.8	95.4
134	25.8	13.7	41.0

Manual Integrations
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11/13/2019 9:39:01 AM



#84

1,2,4-Trimethylbenzene

Concen: 18.970 ug/l

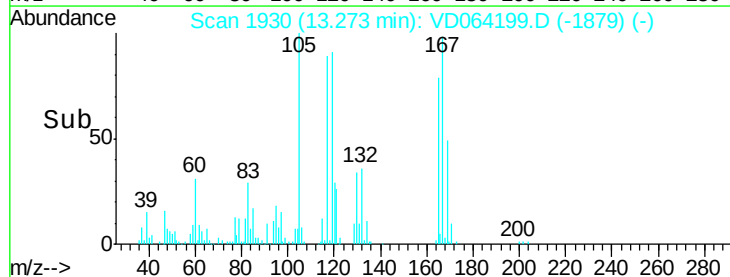
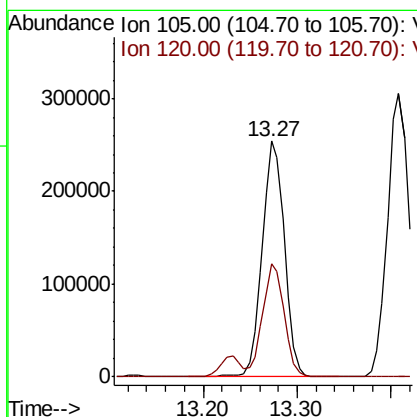
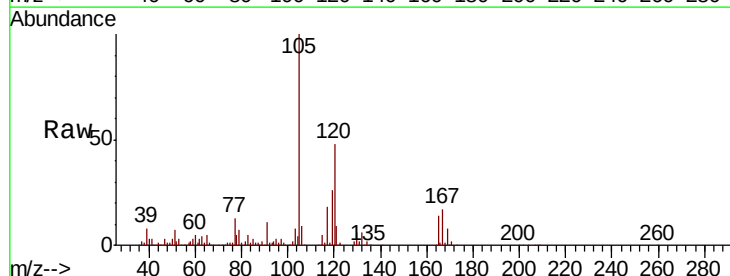
RT: 13.27 min Scan# 1930

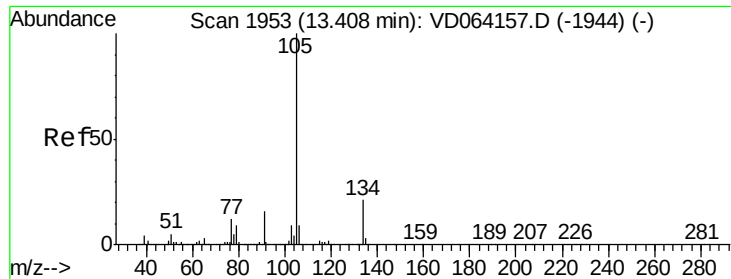
Delta R.T. -0.00 min

Lab File: VD064199.D

Acq: 12 Nov 2019 16:36

Tgt Ion:	105	Resp:	415813
Ion Ratio	Lower	Upper	
105	100		
120	46.8	23.3	69.8





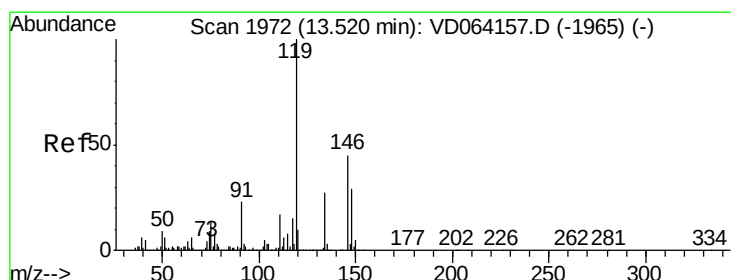
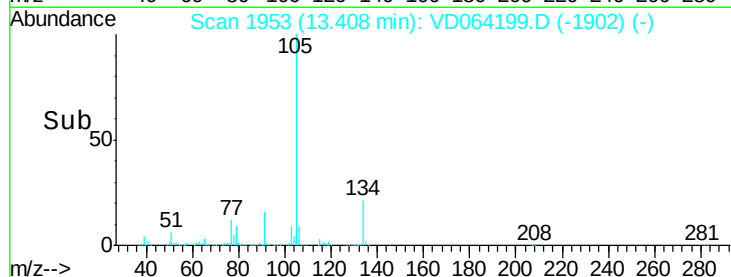
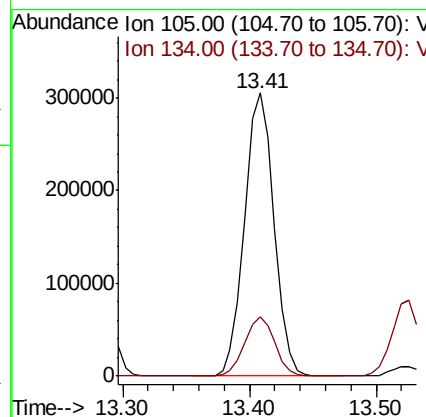
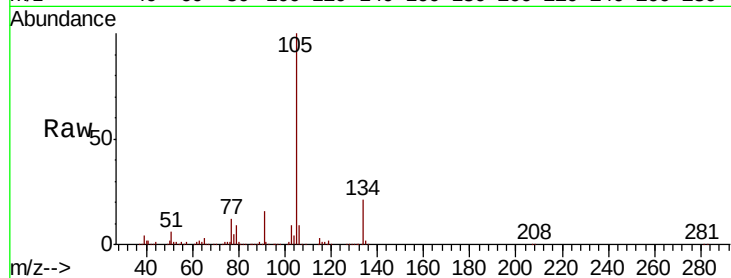
#85
 sec-Butylbenzene
 Concen: 18.710 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	31.9

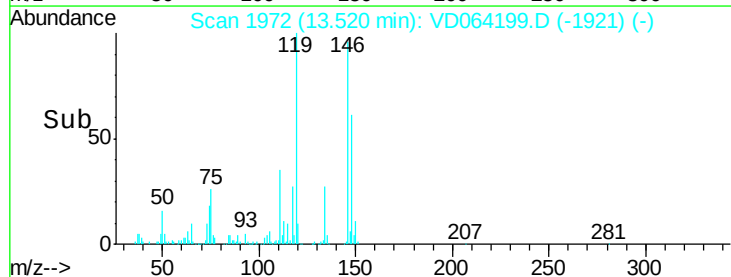
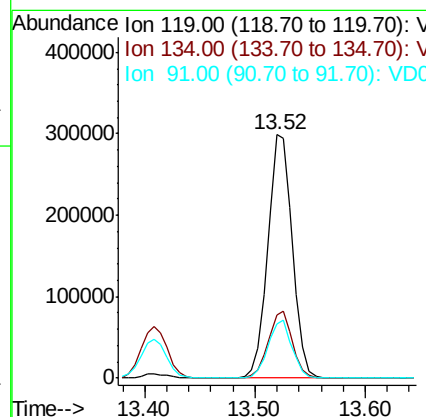
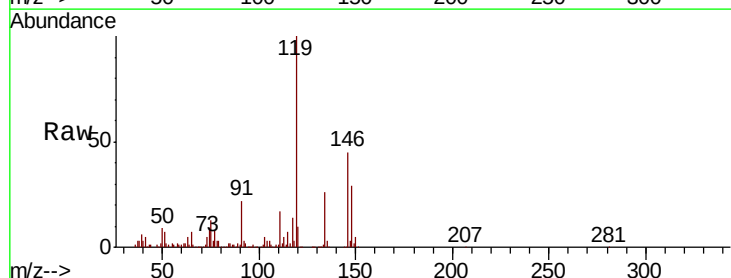
Manual Integrations
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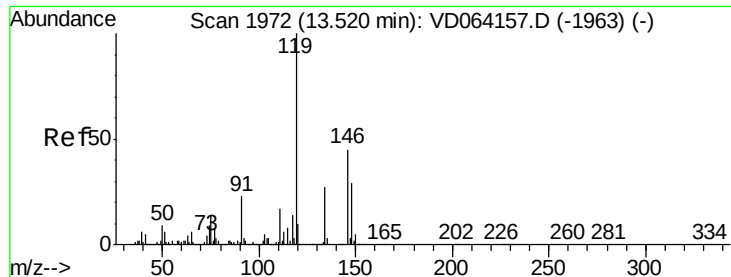
MMDadoda
 11/13/2019 9:39:01 AM



#86
 p-Isopropyltoluene
 Concen: 18.603 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.5
91	23.3	11.5	34.4





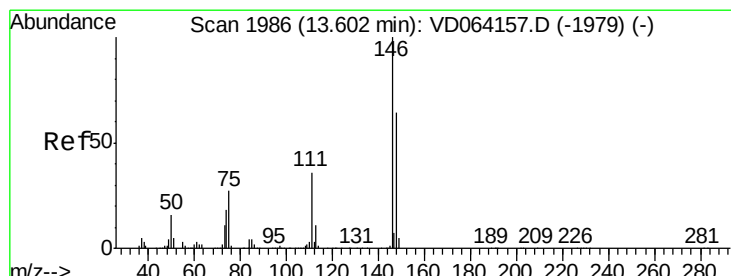
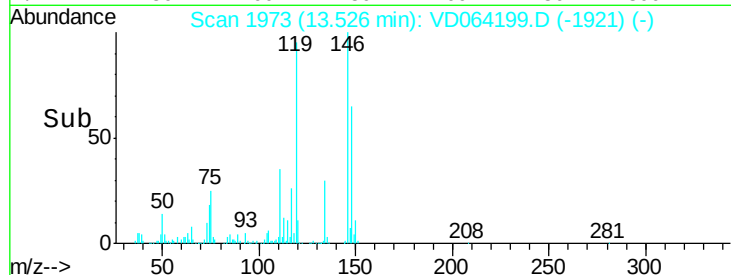
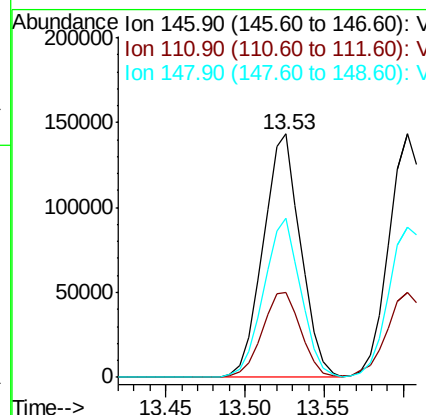
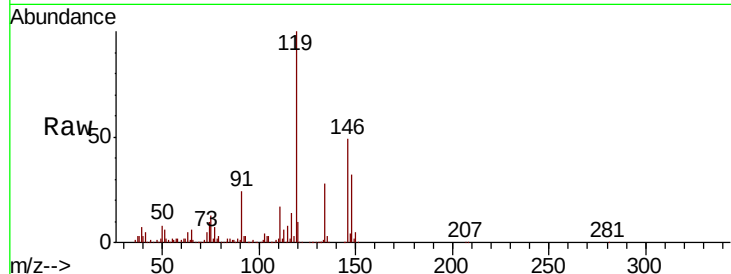
#87
 1,3-Dichlorobenzene
 Concen: 19.408 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.0	18.9	56.9
148	64.3	32.1	96.5

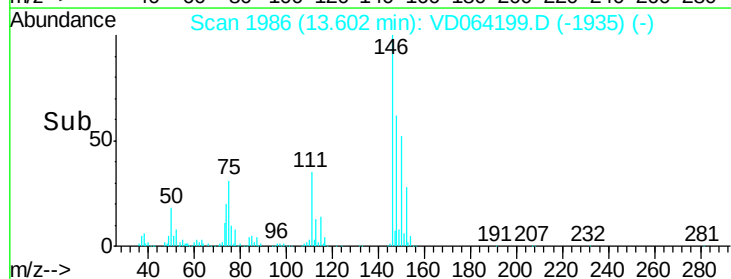
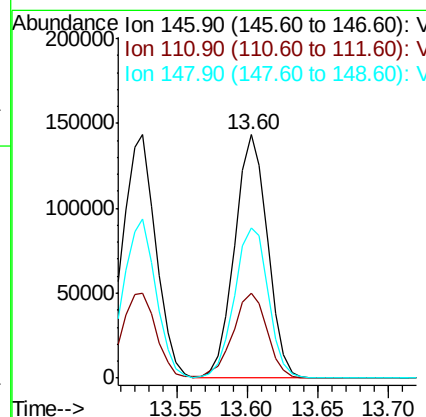
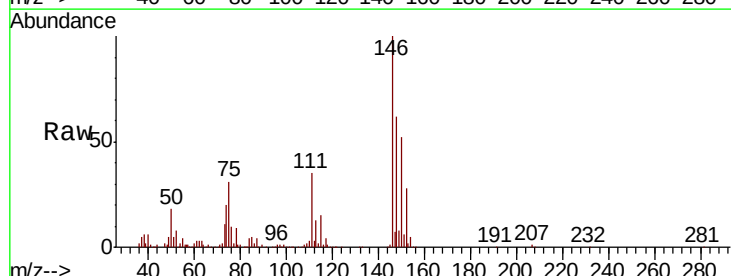
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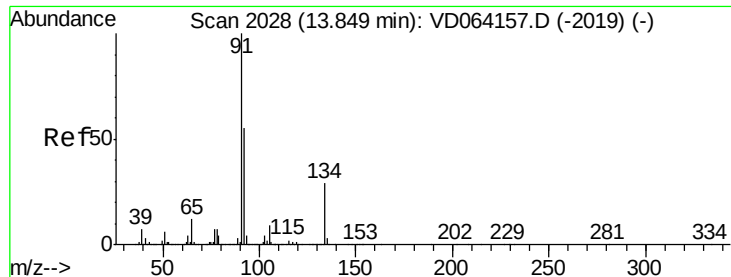
MMDadoda
 11/13/2019 9:39:01 AM



#88
 1,4-Dichlorobenzene
 Concen: 19.548 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	18.1	54.4
148	63.8	31.9	95.7





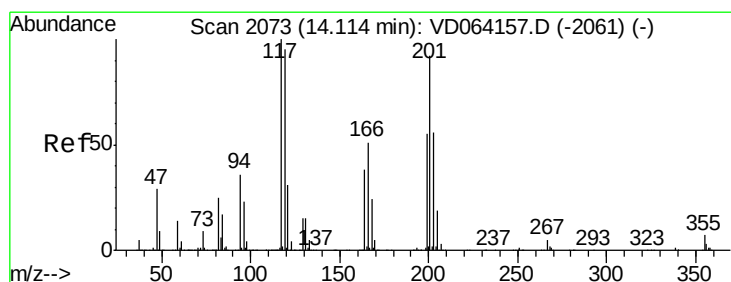
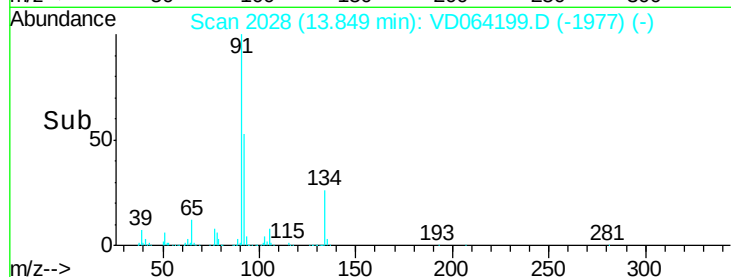
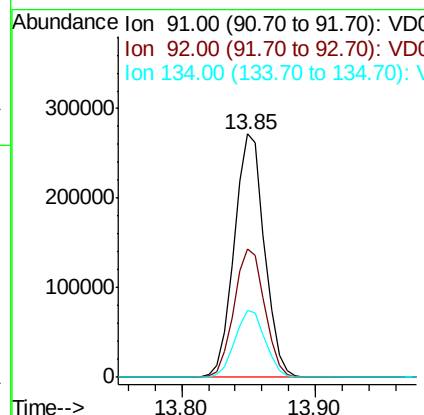
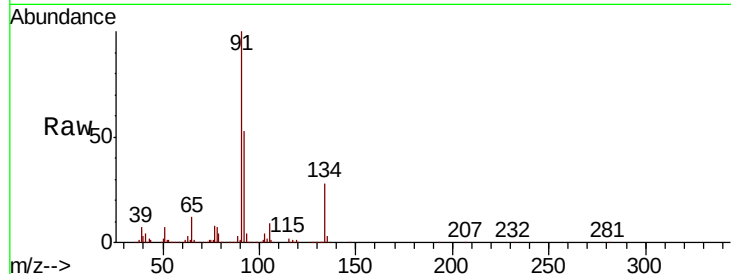
#89
n-Butylbenzene
Concen: 18.949 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.3	81.8
134	27.9	14.1	42.4

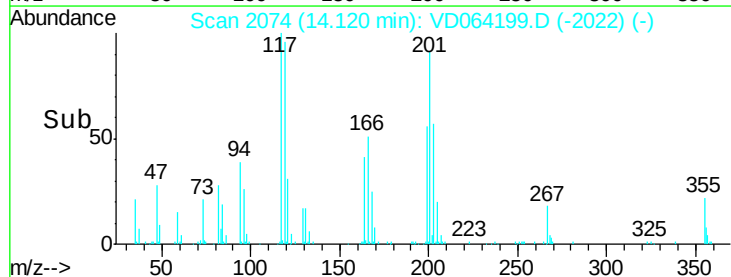
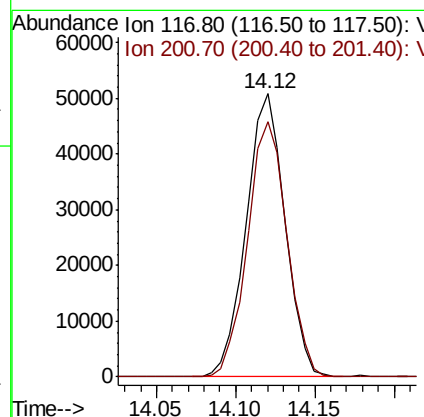
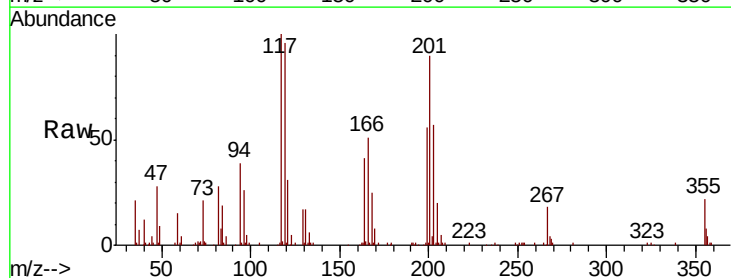
Manual Integrations
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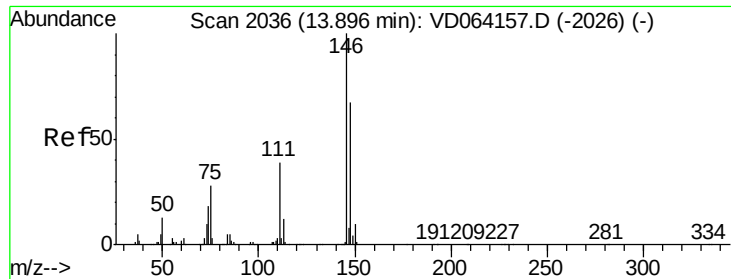
MMDadoda
11/13/2019 9:39:01 AM



#90
Hexachloroethane
Concen: 18.762 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
117	100		
201	91.3	45.8	137.4





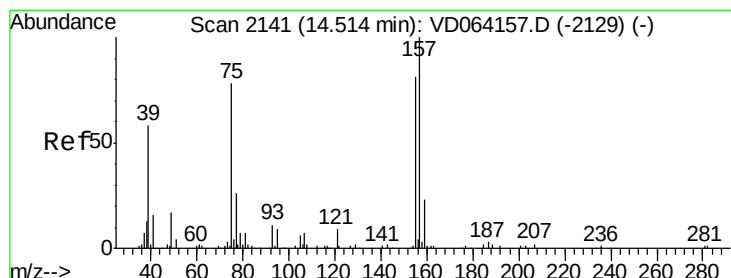
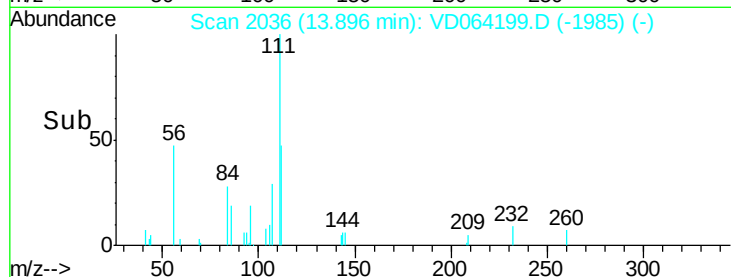
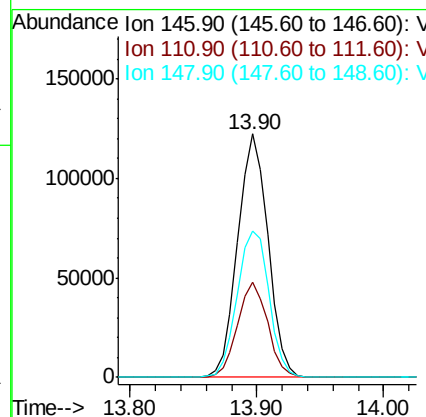
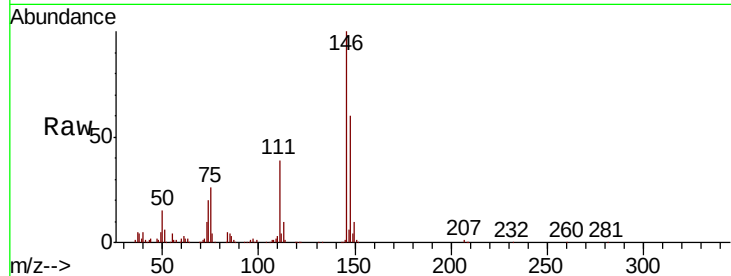
#91
 1,2-Dichlorobenzene
 Concen: 19.601 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.8	19.7	59.0
148	63.2	32.3	96.8

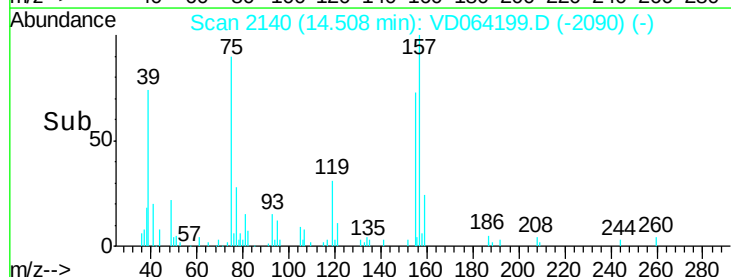
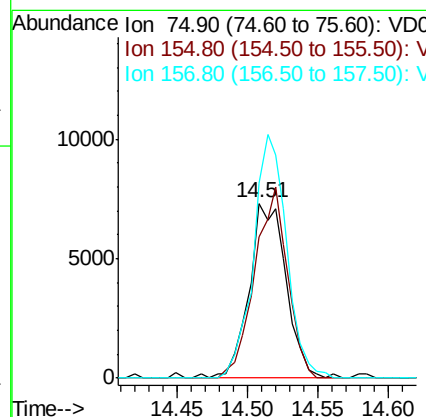
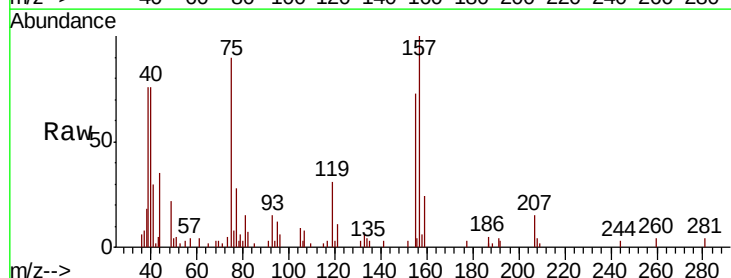
Manual Integrations
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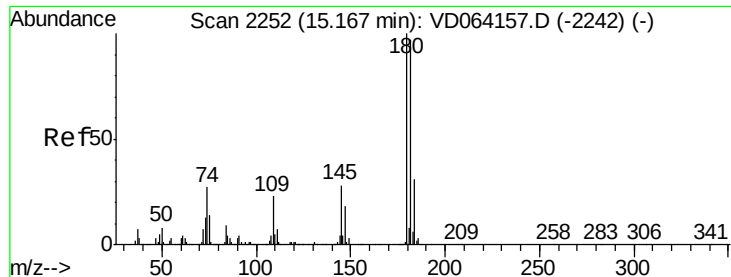
MMDadoda
 11/13/2019 9:39:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.469 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.0	144.0
157	125.1	61.5	184.4





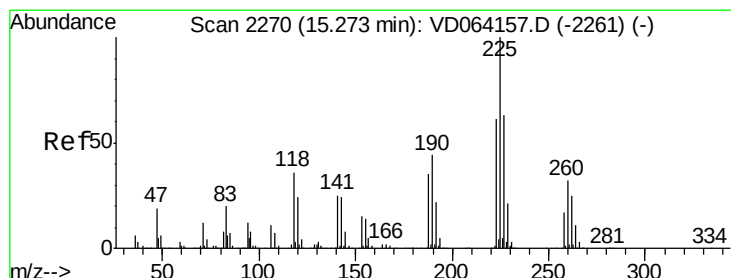
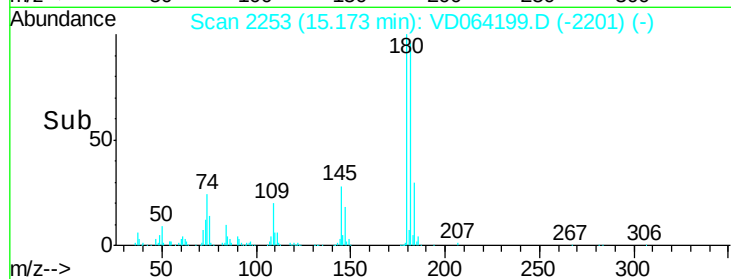
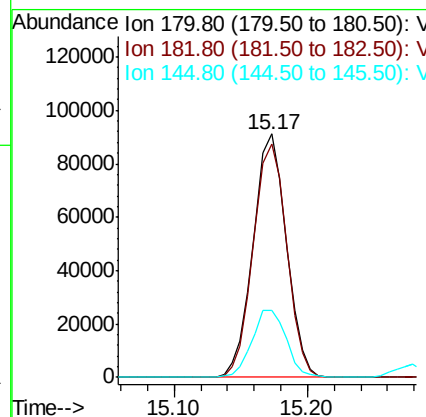
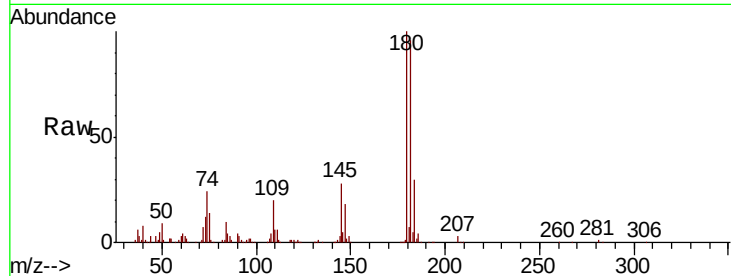
#93
 1,2,4-Trichlorobenzene
 Concen: 19.770 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1112SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.5	142.5
145	28.4	14.2	42.6

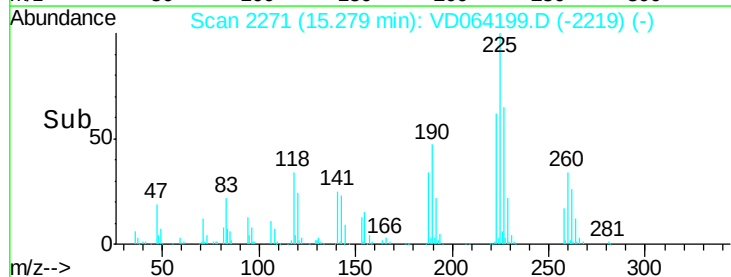
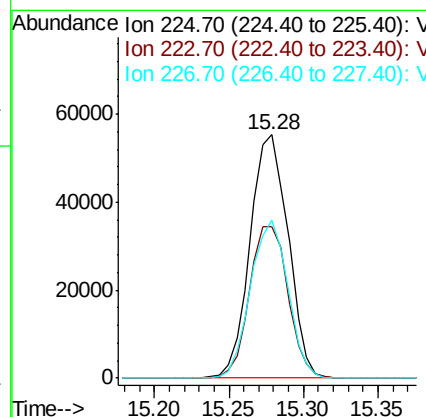
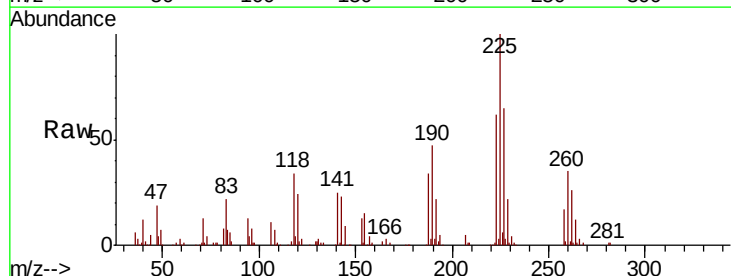
Manual Integrations
 APPROVED

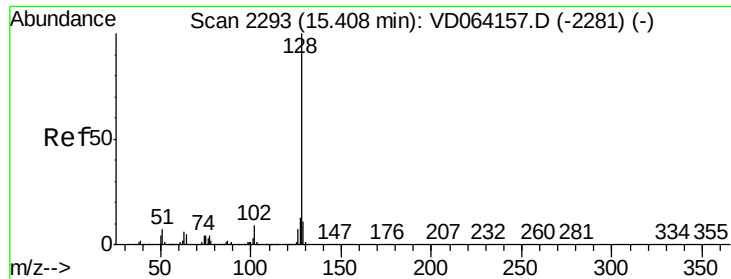
MMDadoda
 11/13/2019 9:39:01 AM



#94
 Hexachlorobutadiene
 Concen: 18.948 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064199.D
 Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.1	93.3
227	63.6	31.5	94.5





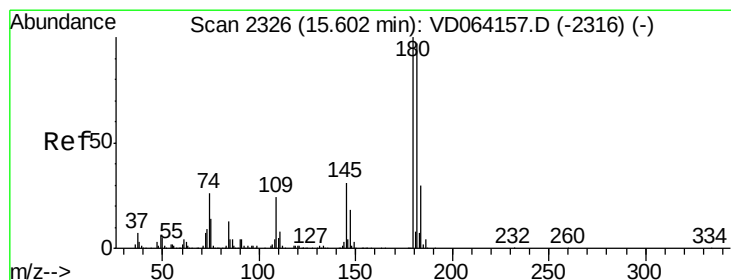
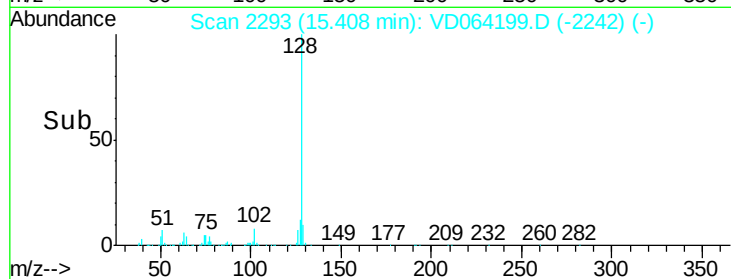
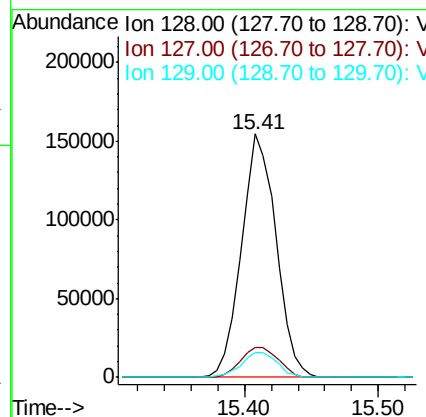
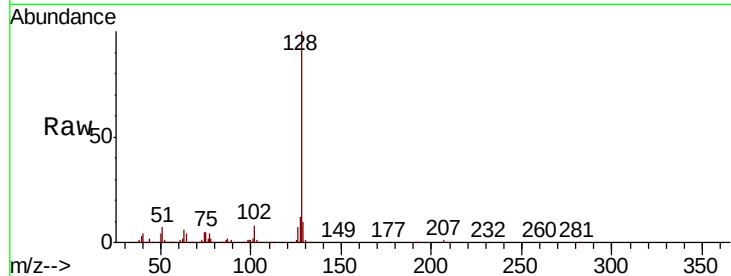
#95
Naphthalene
Concen: 21.224 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Instrument :
MSVOA_D
ClientSampleId :
VD1112SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.5	15.7
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 9:39:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.629 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD064199.D
Acq: 12 Nov 2019 16:36

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	48.3	144.9
145	30.0	15.3	45.8

