

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112119\
 Data File : VD064323.D
 Acq On : 21 Nov 2019 14:33
 Operator : VA/SY
 Sample : VD1121SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/23/2019 6:11:35 AM

Quant Time: Nov 22 01:13:08 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	637144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	895104	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	772514	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	375212	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	257715	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
35) Dibromofluoromethane	7.92	113	257706	50.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.32%	
50) Toluene-d8	10.34	98	970603	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.64	95	322520	48.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	101340	19.178	ug/l	99
3) Chloromethane	2.21	50	131279	23.161	ug/l	99
4) Vinyl Chloride	2.35	62	152227	25.115	ug/l	95
5) Bromomethane	2.76	94	97633	25.509	ug/l	93
6) Chloroethane	2.92	64	97750	25.239	ug/l	95
7) Trichlorofluoromethane	3.27	101	252731	25.718	ug/l	98
8) Diethyl Ether	3.71	74	57673	21.344	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	123155	21.926	ug/l	99
10) Methyl Iodide	4.29	142	116482	19.461	ug/l	99
11) Tert butyl alcohol	5.24	59	38189	104.341	ug/l	96
12) 1,1-Dichloroethene	4.06	96	116218	21.708	ug/l	94
13) Acrolein	3.92	56	21277	68.718	ug/l	95
14) Allyl chloride	4.70	41	187106	19.766	ug/l	95
15) Acrylonitrile	5.43	53	127096	110.334	ug/l	98
16) Acetone	4.17	43	103865	83.668	ug/l	92
17) Carbon Disulfide	4.40	76	320327	19.213	ug/l	100
18) Methyl Acetate	4.72	43	75484	21.771	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	269805	21.110	ug/l	94
20) Methylene Chloride	4.97	84	131344	20.946	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	124676	20.554	ug/l	98
22) Diisopropyl ether	6.37	45	360426	20.521	ug/l	95
23) Vinyl Acetate	6.31	43	1025868	104.785	ug/l	99
24) 1,1-Dichloroethane	6.27	63	213451	20.931	ug/l	99
25) 2-Butanone	7.22	43	156844	97.795	ug/l	99
26) 2,2-Dichloropropane	7.21	77	199426	19.941	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	139825	21.496	ug/l	96
28) Bromochloromethane	7.54	49	56543	15.926	ug/l	96
29) Tetrahydrofuran	7.57	42	106067	110.073	ug/l	99
30) Chloroform	7.71	83	231969	22.238	ug/l	100
31) Cyclohexane	7.98	56	204153	19.850	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	212276	21.253	ug/l	99
36) 1,1-Dichloropropene	8.11	75	175962	21.300	ug/l	99
37) Ethyl Acetate	7.30	43	74893	21.505	ug/l	97
38) Carbon Tetrachloride	8.10	117	187190	21.177	ug/l	98

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 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	216624	20.723	ug/l	96
40) Benzene	8.35	78	470395	20.835	ug/l	97
41) Methacrylonitrile	7.53	41	43793	20.007	ug/l	92
42) 1,2-Dichloroethane	8.43	62	142682	21.042	ug/l	99
43) Isopropyl Acetate	8.46	43	149061	20.773	ug/l	99
44) Trichloroethene	9.11	130	147602	21.782	ug/l	98
45) 1,2-Dichloropropane	9.39	63	118314	21.530	ug/l	100
46) Dibromomethane	9.48	93	64766	22.015	ug/l	99
47) Bromodichloromethane	9.67	83	165818	20.925	ug/l	99
48) Methyl methacrylate	9.46	41	67857	19.339	ug/l	89
49) 1,4-Dioxane	9.46	88	15127	428.129	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	364649	105.970	ug/l	100
52) Toluene	10.41	92	312789	21.069	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	161290	20.316	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	188475	20.344	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	85747	21.485	ug/l	93
56) Ethyl methacrylate	10.67	69	116732	20.909	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	151294	21.737	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	229054	101.285	ug/l	99
59) 2-Hexanone	10.99	43	244881	100.028	ug/l	99
60) Dibromochloromethane	11.14	129	117480	21.096	ug/l	96
61) 1,2-Dibromoethane	11.25	107	85985	21.510	ug/l	99
64) Tetrachloroethene	10.88	164	126272	21.253	ug/l	96
65) Chlorobenzene	11.67	112	332363	21.157	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	123097	20.608	ug/l	98
67) Ethyl Benzene	11.75	91	597456	21.026	ug/l	99
68) m/p-Xylenes	11.86	106	462020	42.420	ug/l	99
69) o-Xylene	12.18	106	212895	21.076	ug/l	99
70) Styrene	12.20	104	375113	21.274	ug/l	98
71) Bromoform	12.37	173	71211	20.948	ug/l #	99
73) Isopropylbenzene	12.48	105	594434	21.584	ug/l	98
74) N-amyl acetate	12.30	43	135740	20.872	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	93306	22.484	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	57907m	19.160	ug/l	
77) Bromobenzene	12.77	156	141909	21.210	ug/l	98
78) n-propylbenzene	12.83	91	682318	21.685	ug/l	99
79) 2-Chlorotoluene	12.91	91	372187	20.951	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	481164	21.262	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31477	20.689	ug/l	94
82) 4-Chlorotoluene	13.01	91	383361	20.690	ug/l	98
83) tert-Butylbenzene	13.23	119	419949	21.045	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	486261	21.765	ug/l	99
85) sec-Butylbenzene	13.41	105	571602	21.328	ug/l	99
86) p-Isopropyltoluene	13.53	119	533006	20.919	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	262585	21.142	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	260564	21.496	ug/l	97
89) n-Butylbenzene	13.86	91	494067	21.463	ug/l	99
90) Hexachloroethane	14.12	117	97175	20.637	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	228726	21.758	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14818	19.971	ug/l	93

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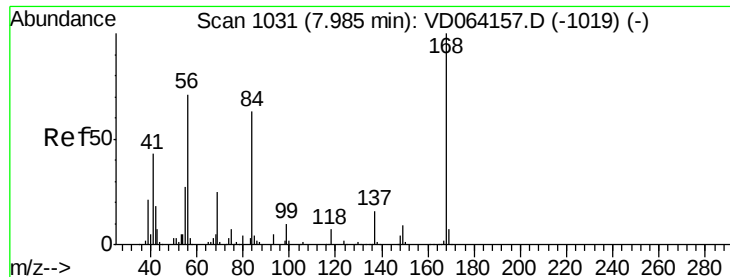
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	173300	21.370	ug/l	96
94) Hexachlorobutadiene	15.28	225	110268	21.052	ug/l	97
95) Naphthalene	15.41	128	288941	21.736	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	147129	21.344	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

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Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion:168 Resp: 637144

Ion Ratio Lower Upper

168 100

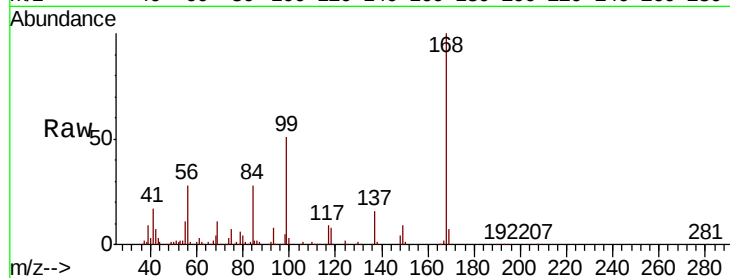
99 50.4 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

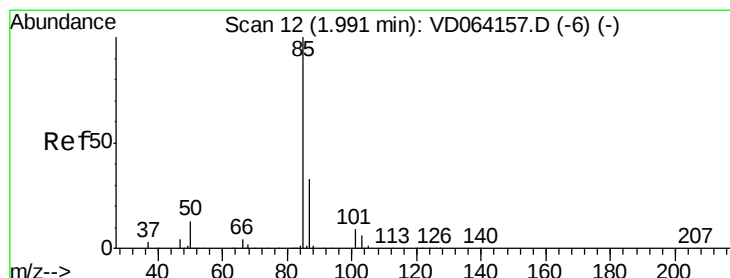
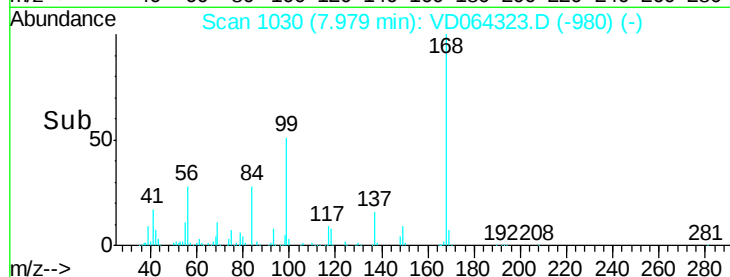
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 19.178 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064323.D

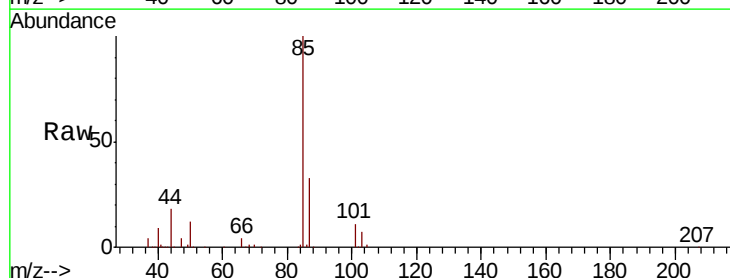
Acq: 21 Nov 2019 14:33

Tgt Ion: 85 Resp: 101340

Ion Ratio Lower Upper

85 100

87 33.2 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

80000

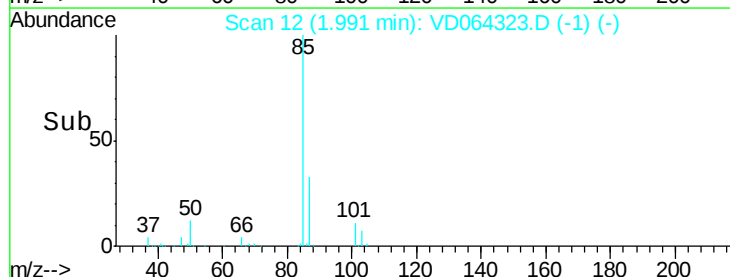
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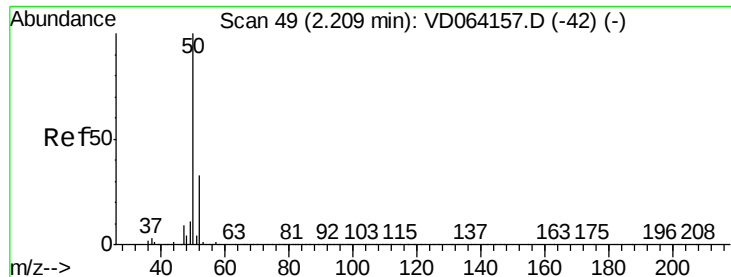
40000

20000

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Time-->





#3

Chloromethane

Concen: 23.161 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 50 Resp: 131279

Ion Ratio Lower Upper

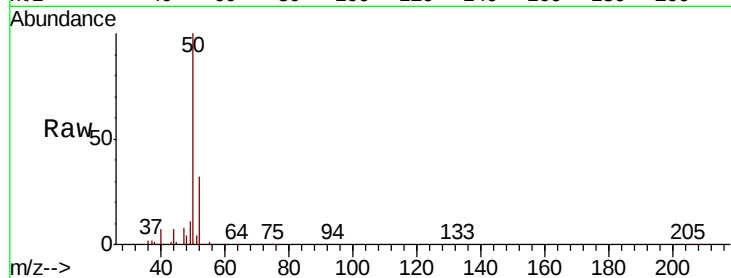
50 100

52 32.0 26.2 39.4

Manual Integrations
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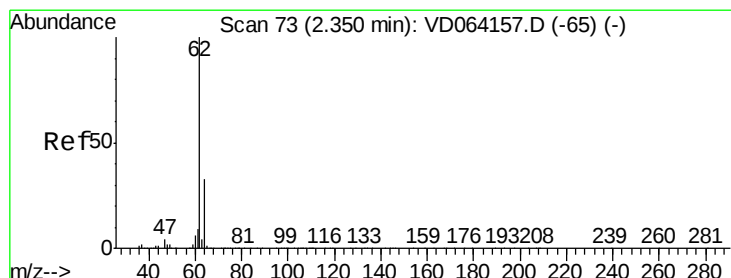
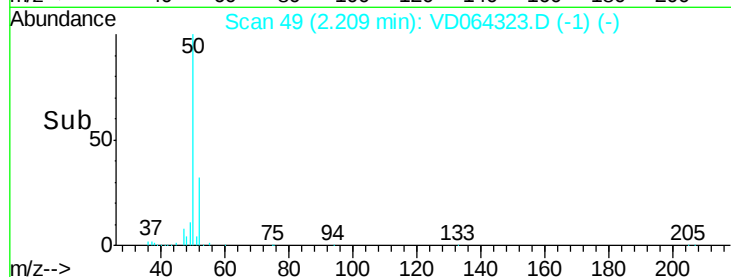
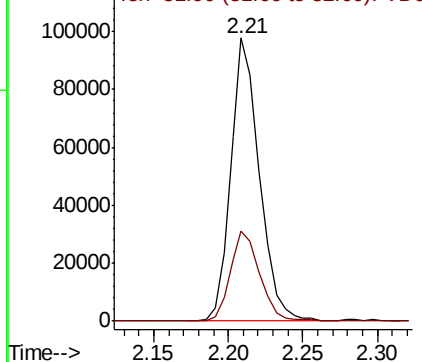
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 25.115 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064323.D

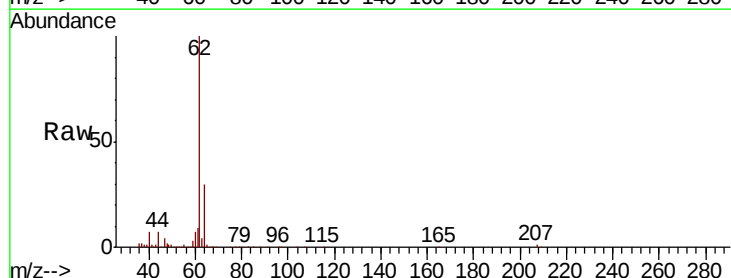
Acq: 21 Nov 2019 14:33

Tgt Ion: 62 Resp: 152227

Ion Ratio Lower Upper

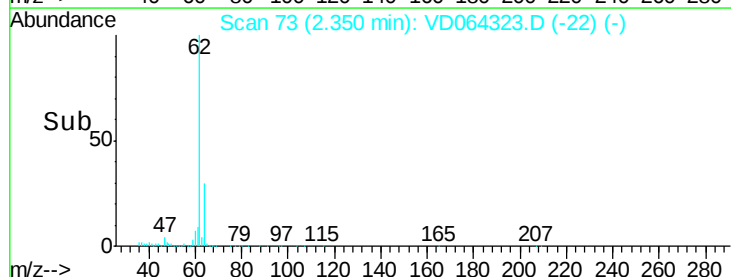
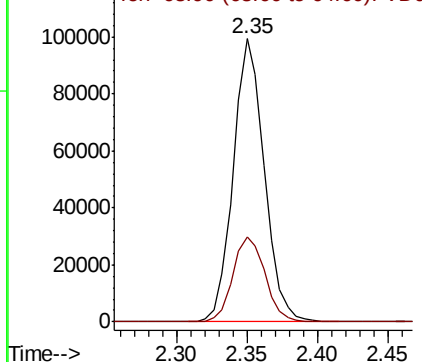
62 100

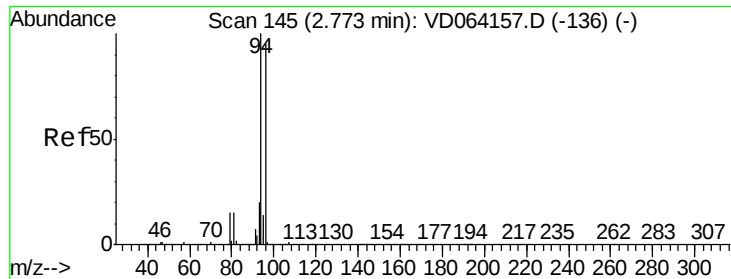
64 29.9 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.509 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 94 Resp: 97633

Ion Ratio Lower Upper

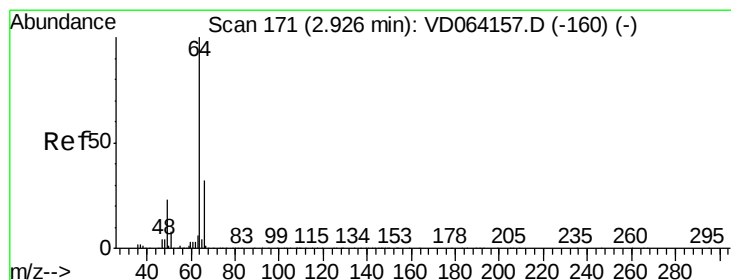
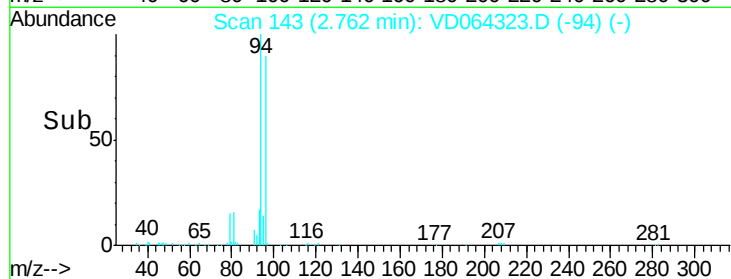
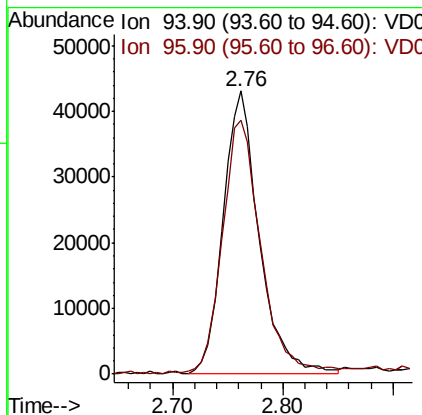
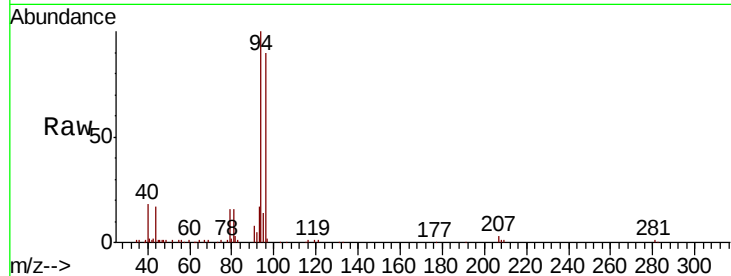
94 100

96 89.0 76.2 114.4

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#6

Chloroethane

Concen: 25.239 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064323.D

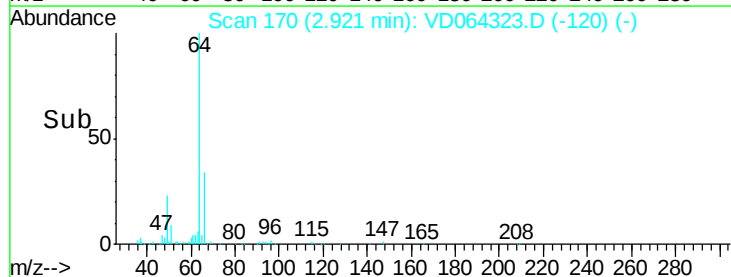
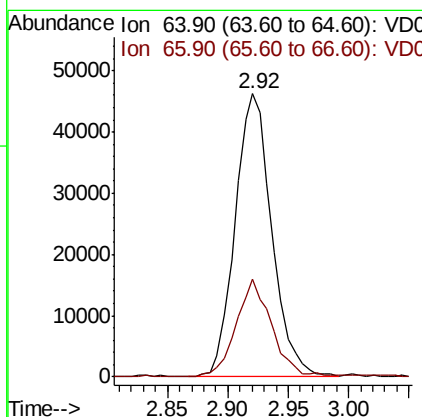
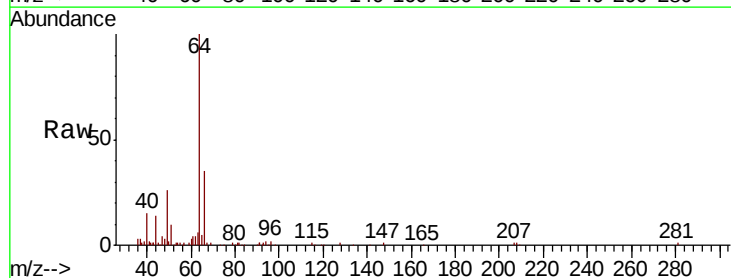
Acq: 21 Nov 2019 14:33

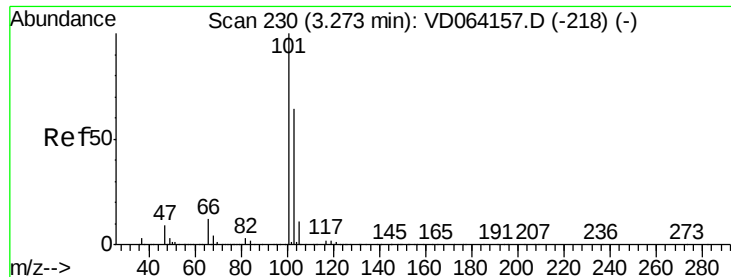
Tgt Ion: 64 Resp: 97750

Ion Ratio Lower Upper

64 100

66 34.6 25.5 38.3





#7

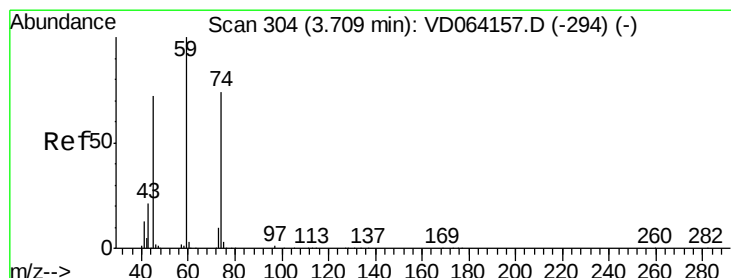
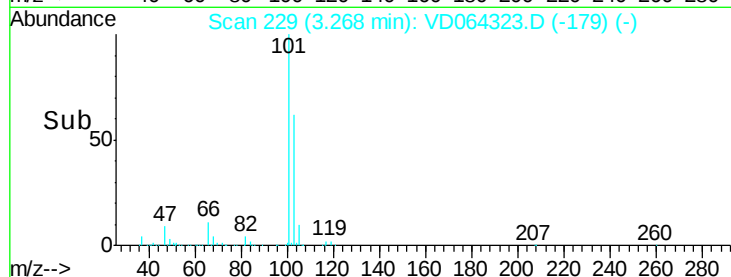
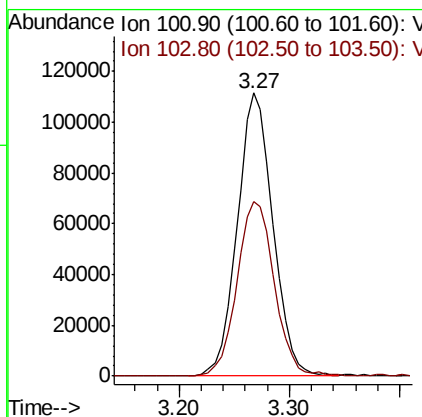
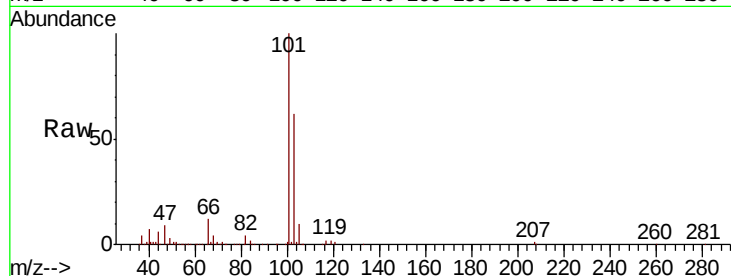
Trichlorofluoromethane
Concen: 25.718 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

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VD1121SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.7	50.8	76.2

Manual Integrations
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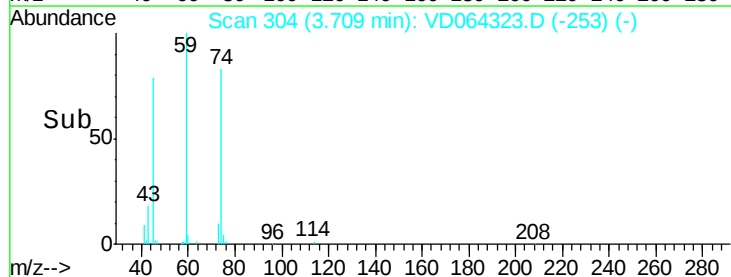
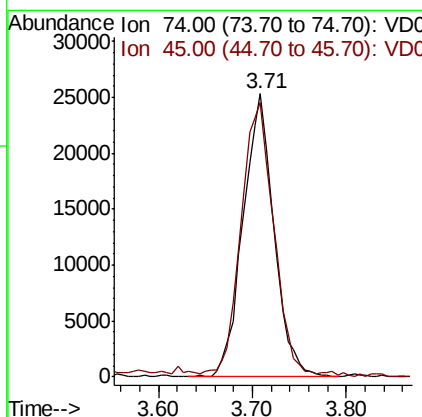
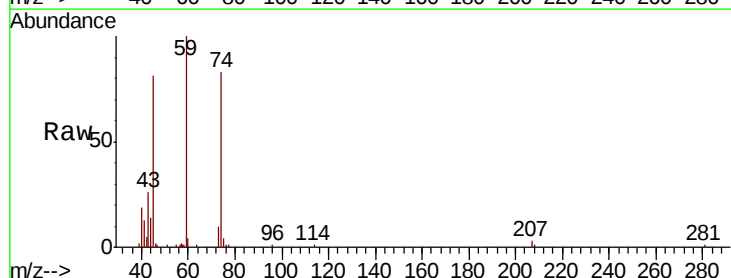
MMDadoda
11/23/2019 6:11:35 AM

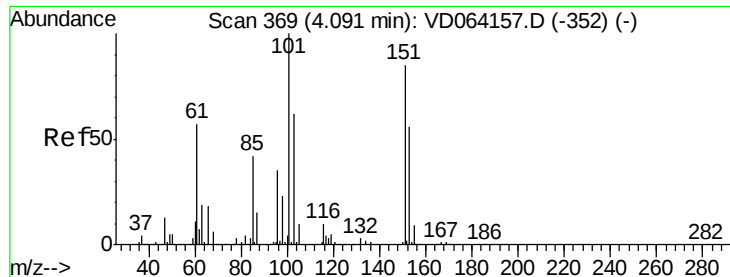


#8

Diethyl Ether
Concen: 21.344 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.926 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064323.D

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Instrument :

MSVOA_D

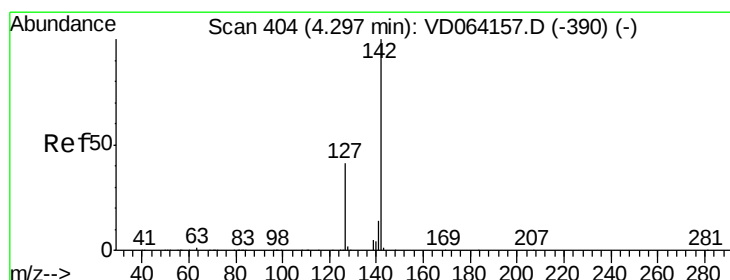
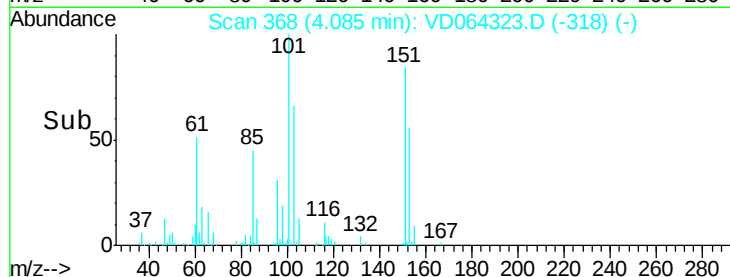
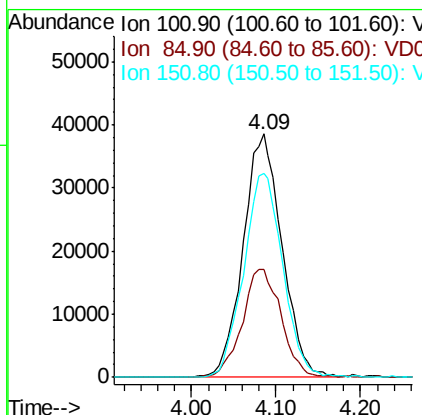
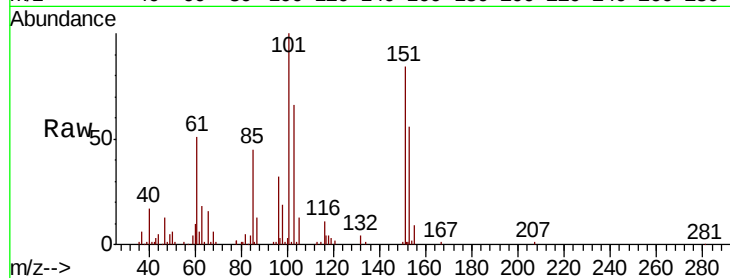
ClientSampleId :

VD1121SBS01

Tot Ion:	101	Resp:	123155
Ion Ratio	Lower	Upper	
101	100		
85	44.5	34.4	51.6
151	84.6	68.1	102.1

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#10

Methyl Iodide

Concen: 19.461 ug/l

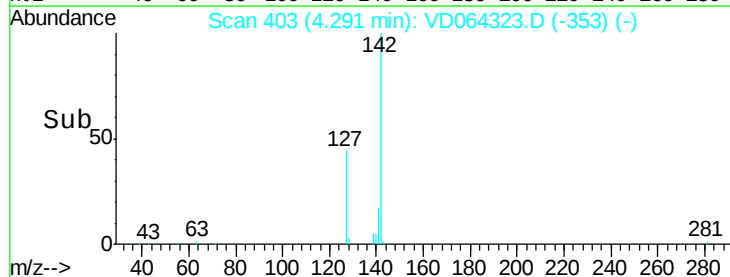
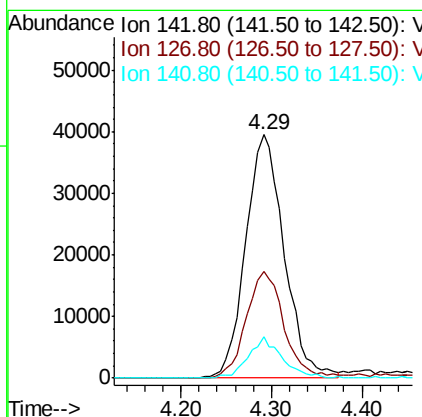
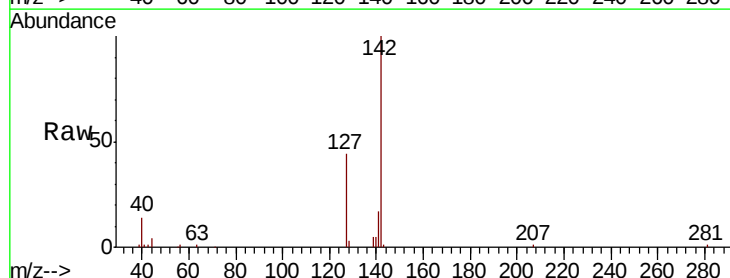
RT: 4.29 min Scan# 403

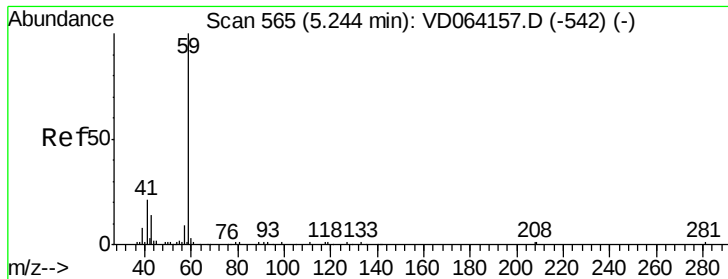
Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	142	Resp:	116482
Ion Ratio	Lower	Upper	
142	100		
127	42.9	34.4	51.6
141	14.7	11.2	16.8





#11

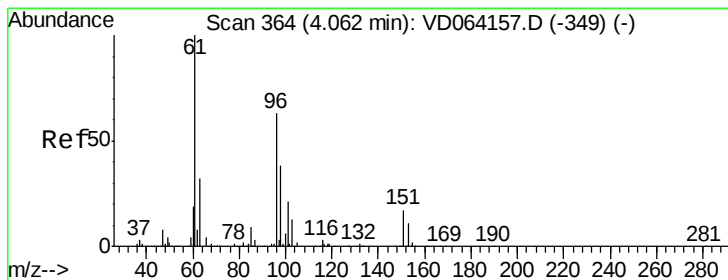
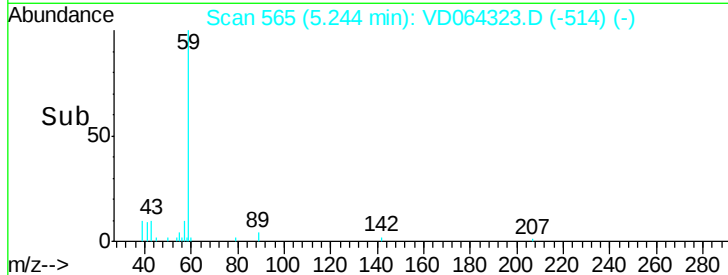
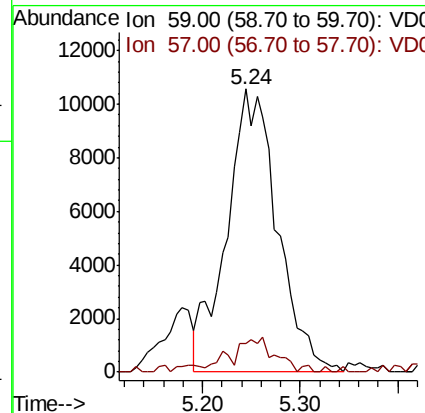
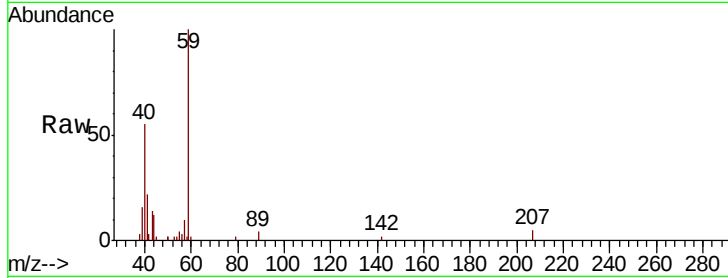
Tert butyl alcohol
 Concen: 104.341 ug/l
 RT: 5.24 min Scan# 565
 Delta R.T. 0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	9.4	14.2

Manual Integrations
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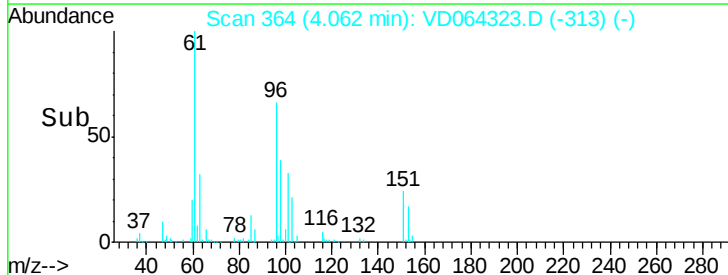
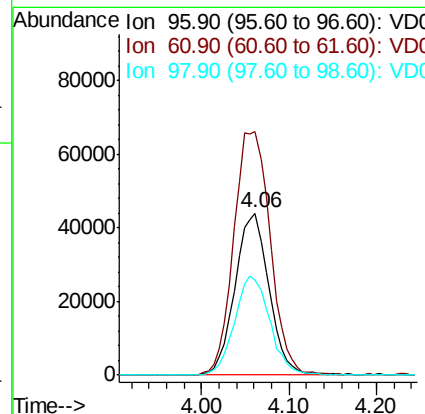
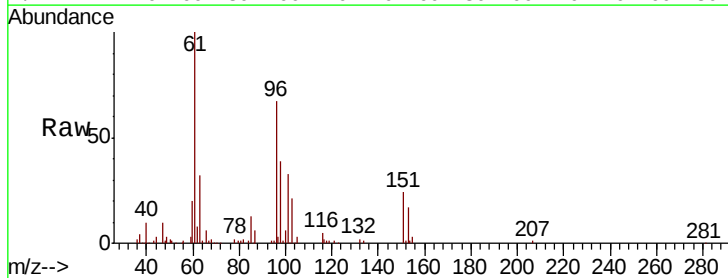
MMDadoda
 11/23/2019 6:11:35 AM

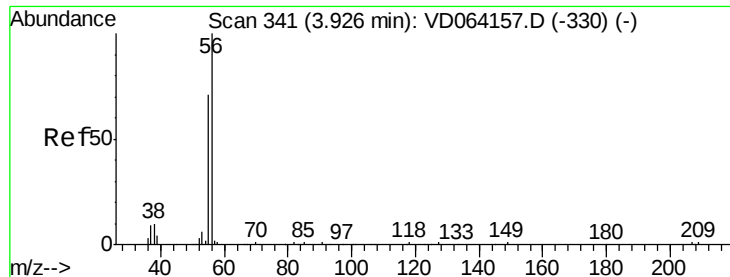


#12

1,1-Dichloroethene
 Concen: 21.708 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.0	127.4	191.2
98	58.8	48.1	72.1





#13

Acrolein

Concen: 68.718 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 56 Resp: 21277

Ion Ratio Lower Upper

56 100

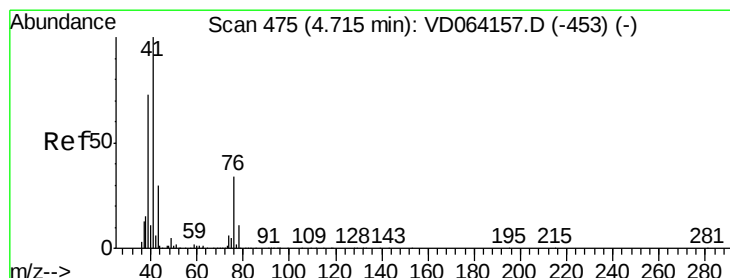
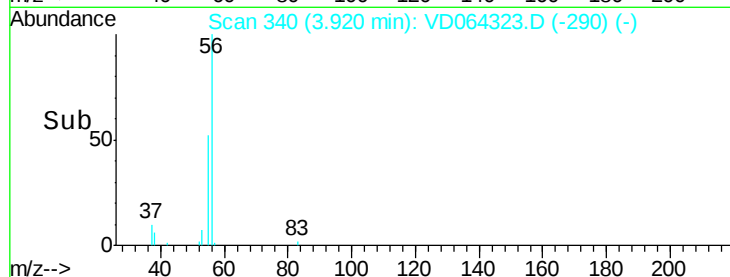
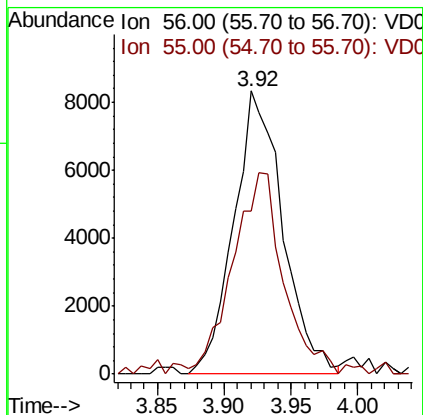
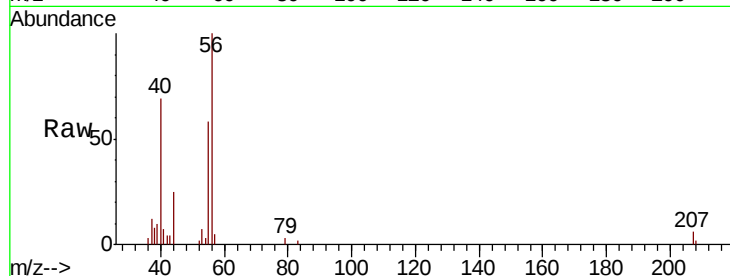
55 74.2 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.766 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

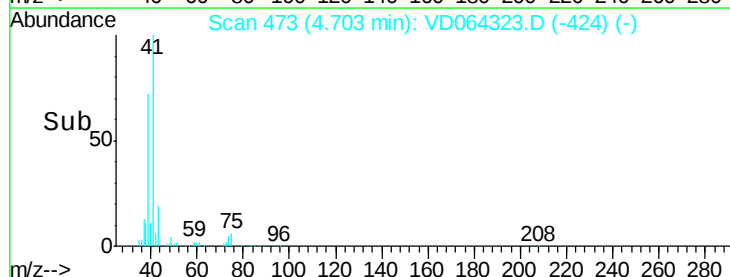
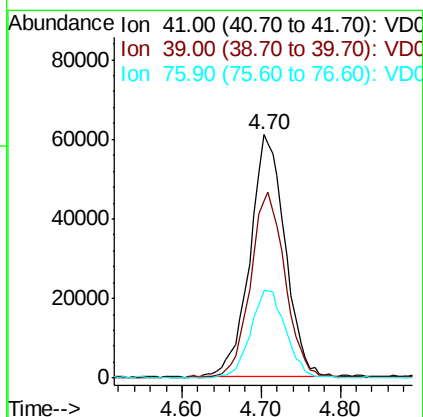
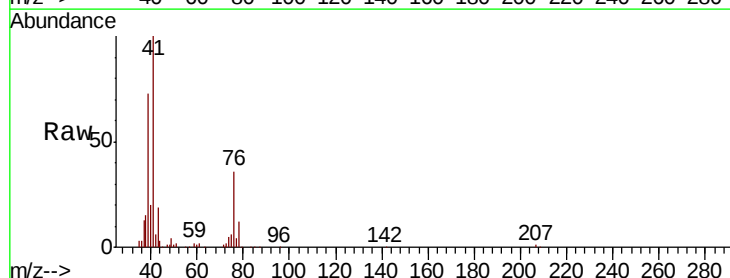
Tgt Ion: 41 Resp: 187106

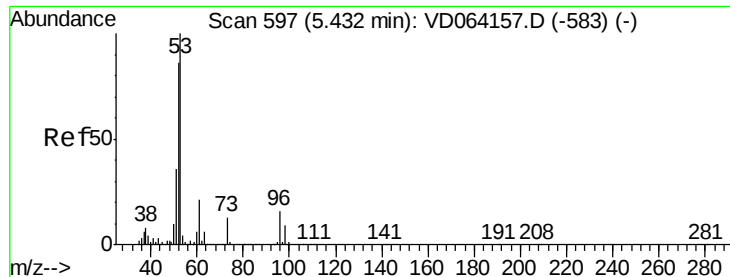
Ion Ratio Lower Upper

41 100

39 76.3 57.5 86.3

76 36.5 26.8 40.2





#15

Acrylonitrile

Concen: 110.334 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

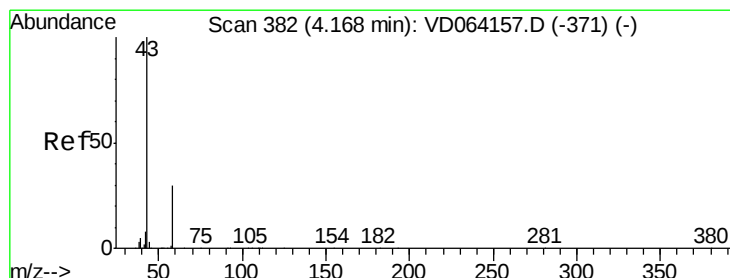
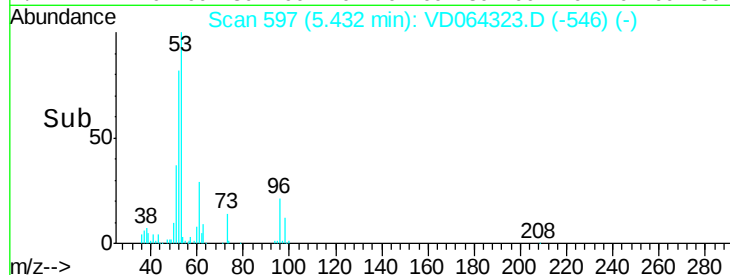
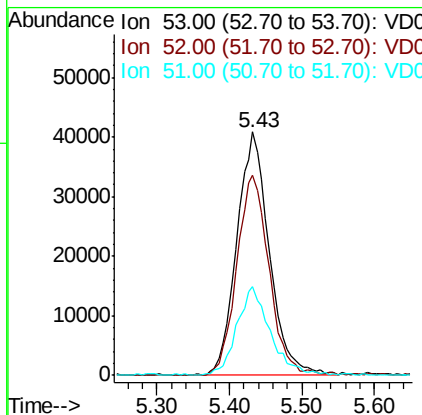
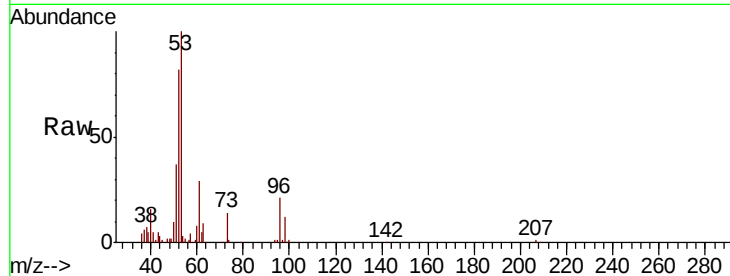
ClientSampleId :

VD1121SBS01

Tot Ion:	53	Resp:	127096
Ion Ratio	Lower	Upper	
53	100		
52	81.8	66.7	100.1
51	37.3	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 83.668 ug/l

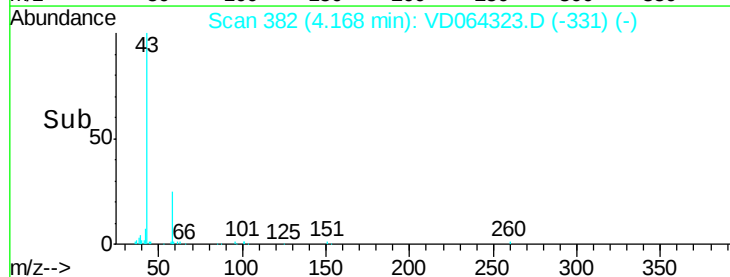
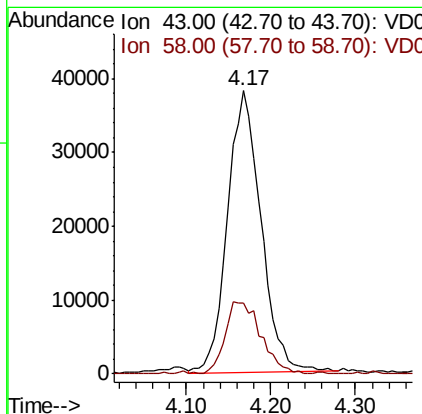
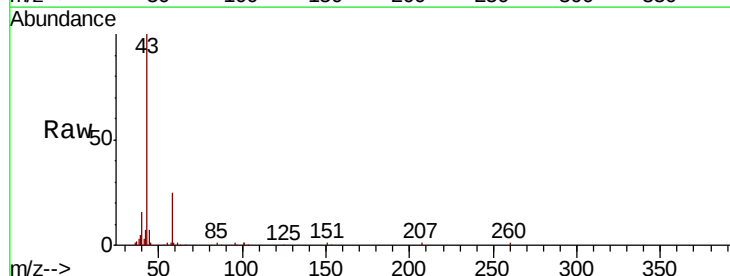
RT: 4.17 min Scan# 382

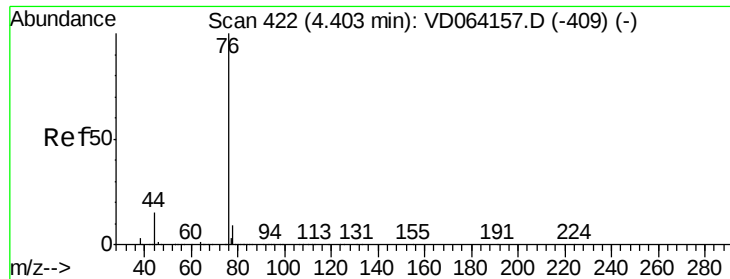
Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	43	Resp:	103865
Ion Ratio	Lower	Upper	
43	100		
58	25.5	24.1	36.1





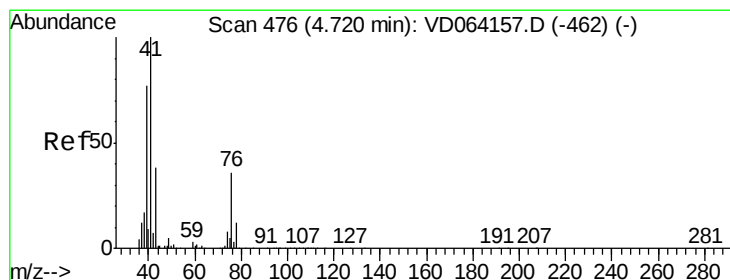
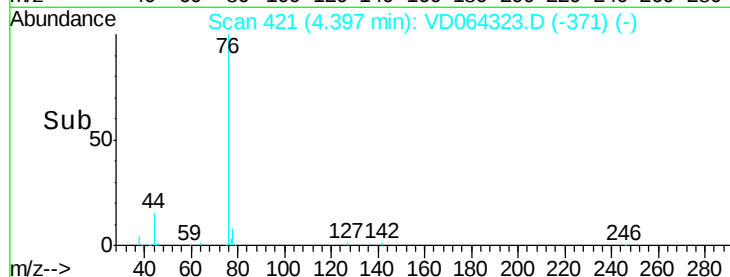
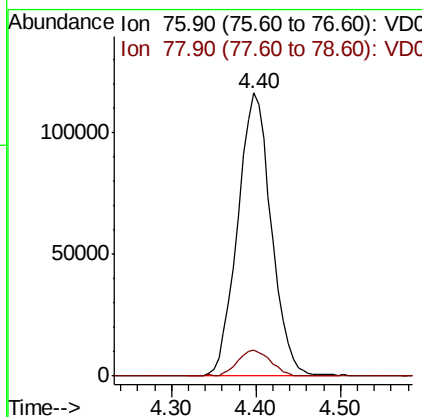
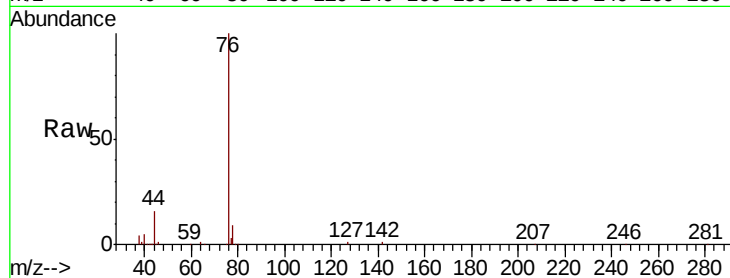
#17
Carbon Disulfide
Concen: 19.213 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

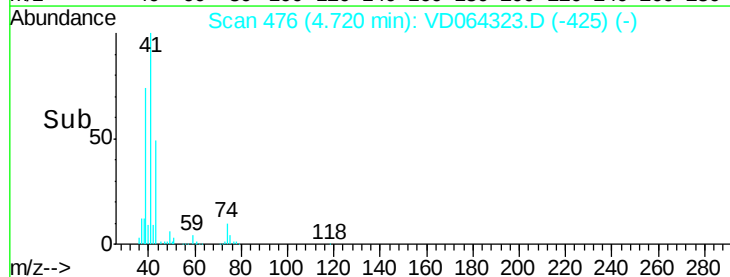
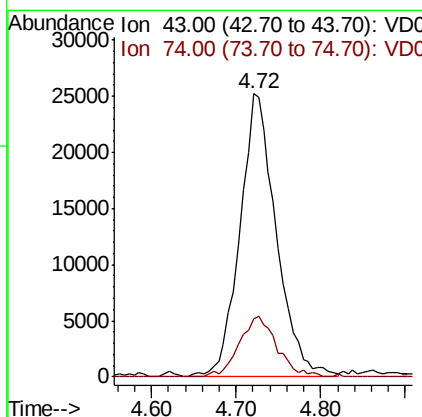
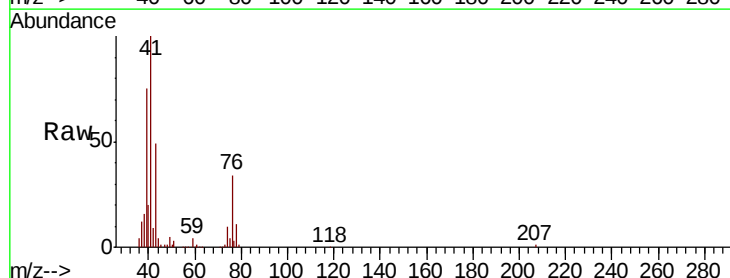
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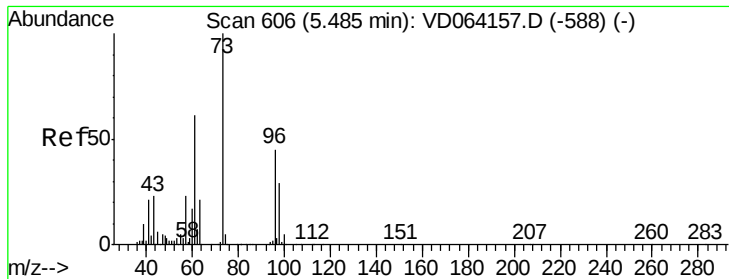
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#18
Methyl Acetate
Concen: 21.771 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	18.4	27.6





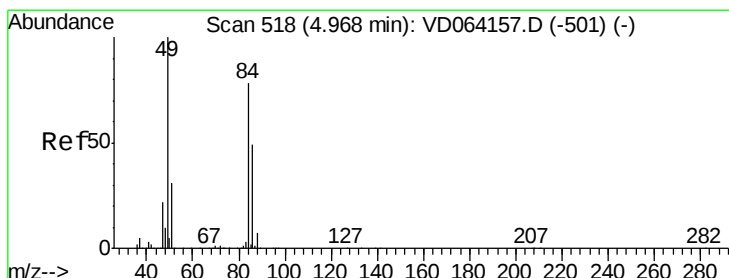
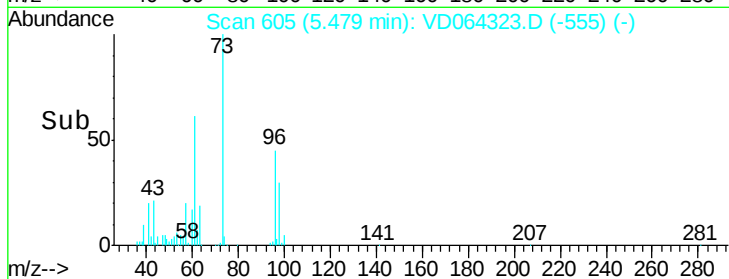
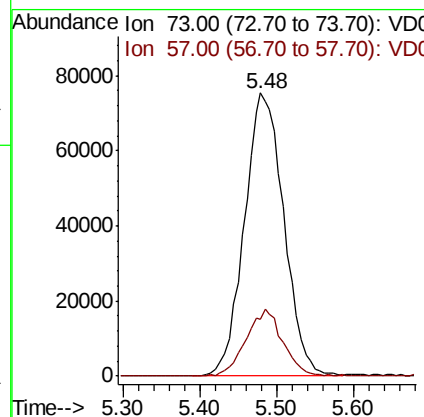
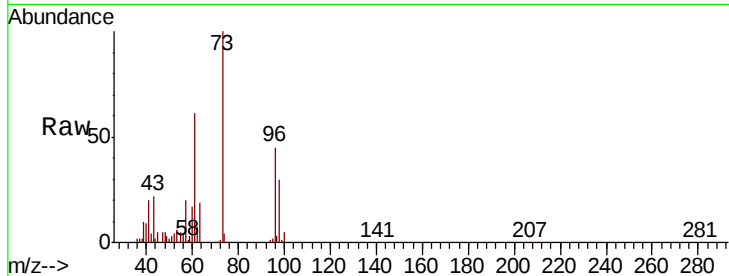
#19
Methvl tert-butvl Ether
Concen: 21.110 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion: 73 Resp: 269805
Ion Ratio Lower Upper
73 100
57 20.2 18.4 27.6

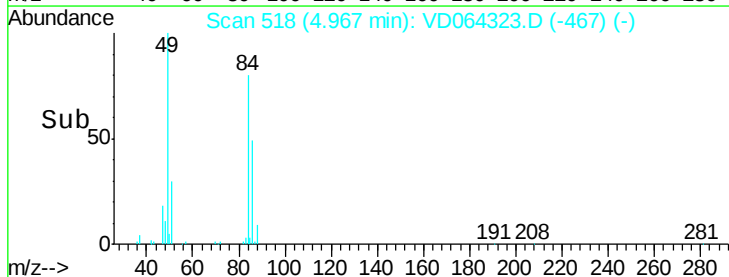
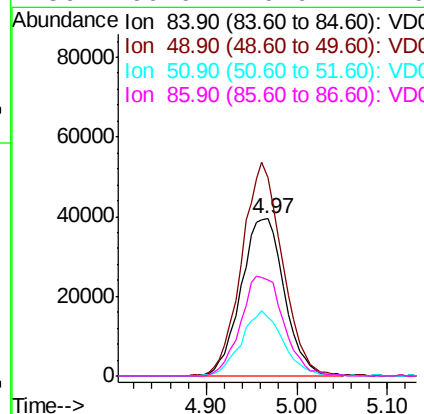
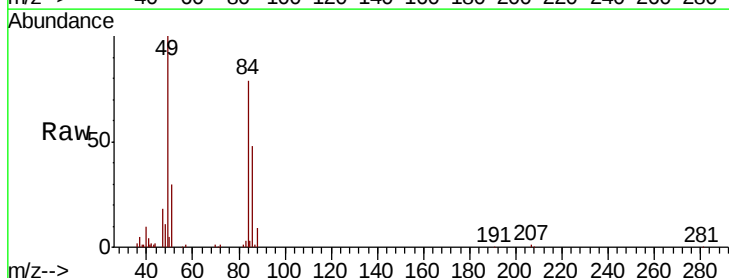
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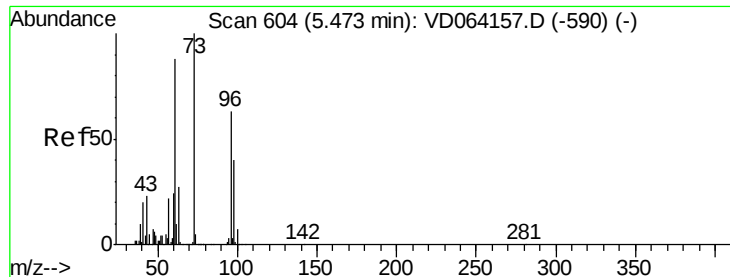
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#20
Methylene Chloride
Concen: 20.946 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion: 84 Resp: 131344
Ion Ratio Lower Upper
84 100
49 125.3 102.1 153.1
51 37.8 32.2 48.2
86 60.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.554 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 96 Resp: 124676

Ion Ratio Lower Upper

96 100

61 137.7 111.8 167.6

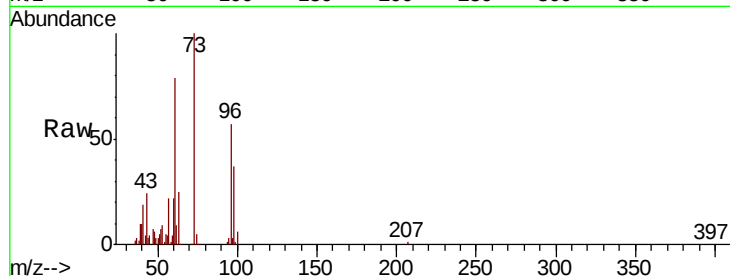
98 65.3 50.3 75.5

Manual Integrations

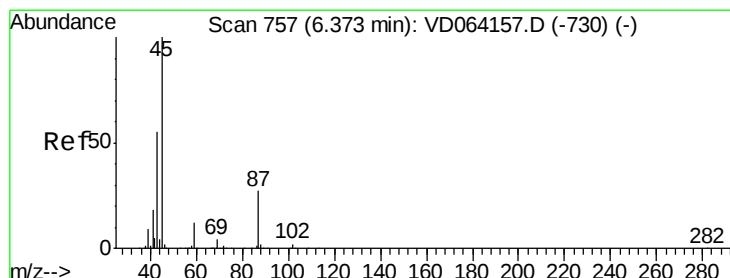
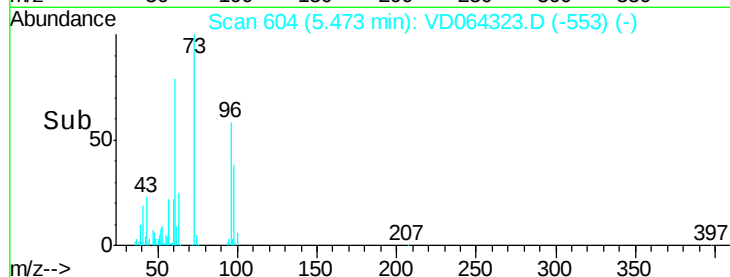
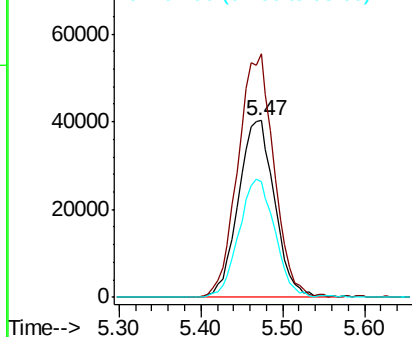
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.521 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion: 45 Resp: 360426

Ion Ratio Lower Upper

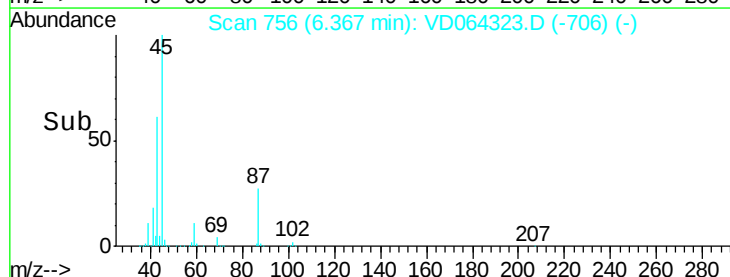
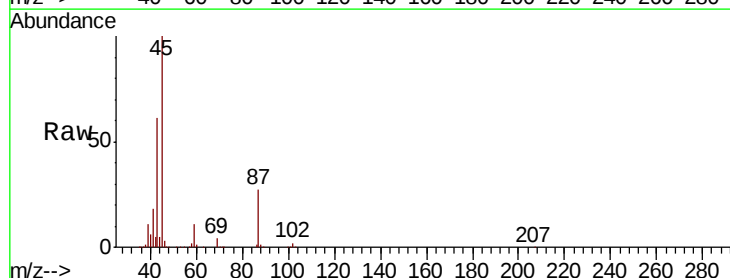
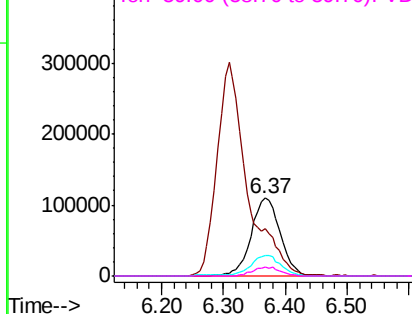
45 100

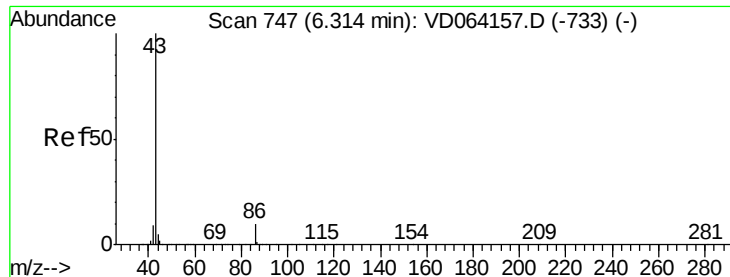
43 60.4 44.4 66.6

87 26.7 21.9 32.9

59 10.7 9.4 14.2

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





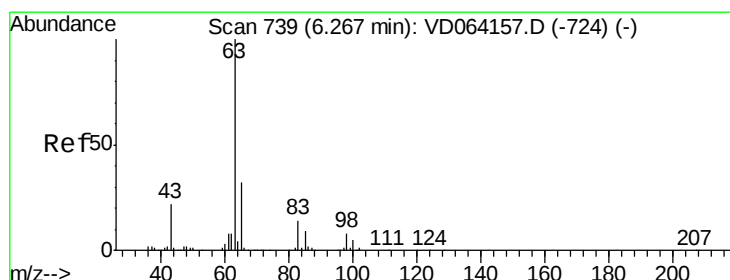
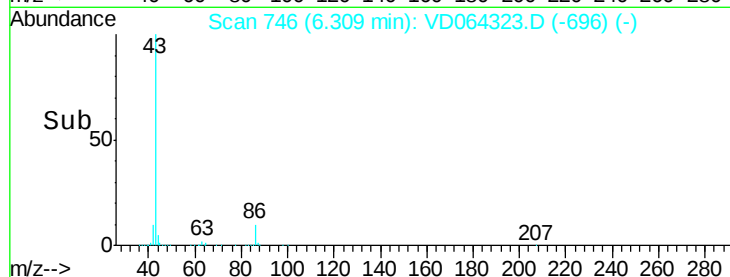
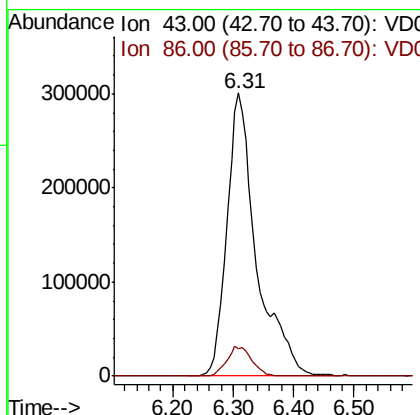
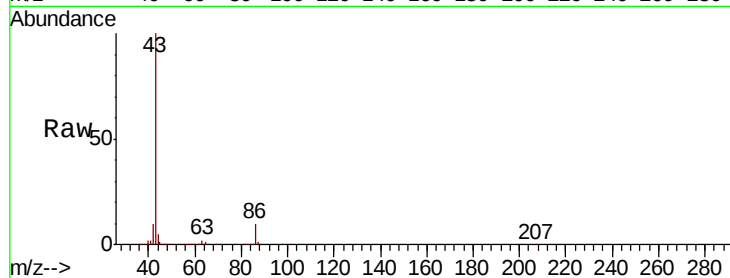
#23
 Vinyl Acetate
 Concen: 104.785 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion: 43 Resp: 1025868
 Ion Ratio Lower Upper
 43 100
 86 9.8 8.2 12.2

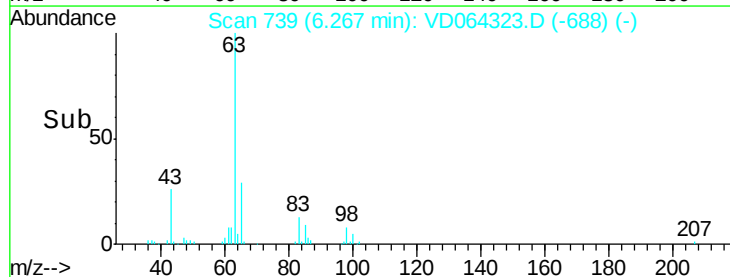
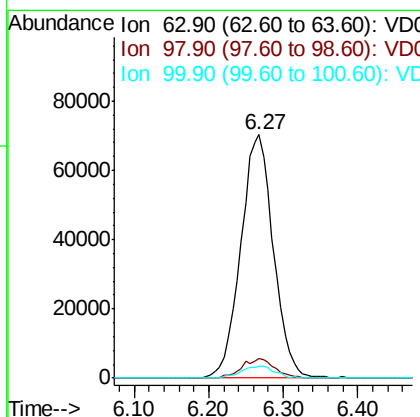
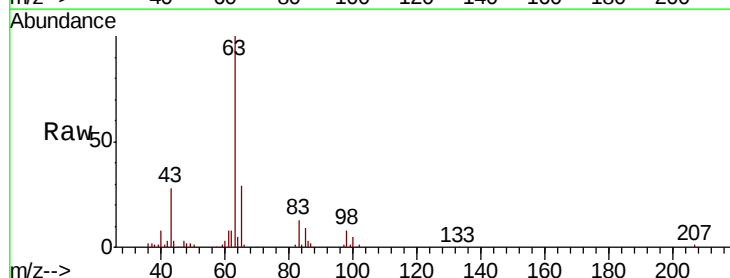
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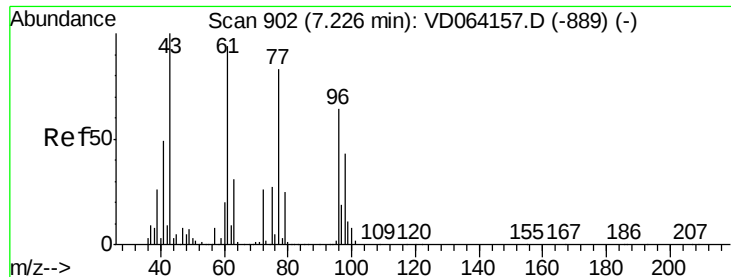
MMDadoda
 11/23/2019 6:11:35 AM



#24
 1,1-Dichloroethane
 Concen: 20.931 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion: 63 Resp: 213451
 Ion Ratio Lower Upper
 63 100
 98 8.0 3.8 11.4
 100 4.7 2.4 7.2





#25

2-Butanone

Concen: 97.795 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 43 Resp: 156844

Ion Ratio Lower Upper

43 100

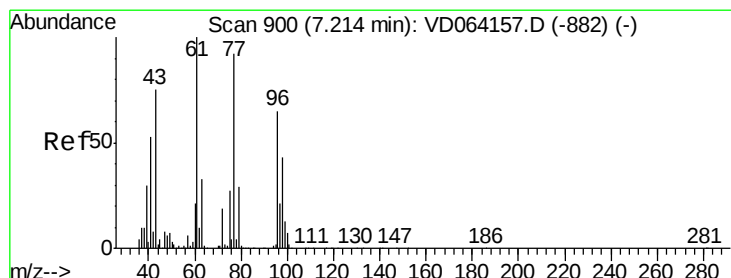
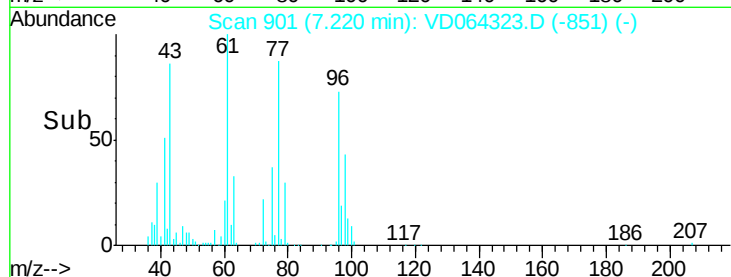
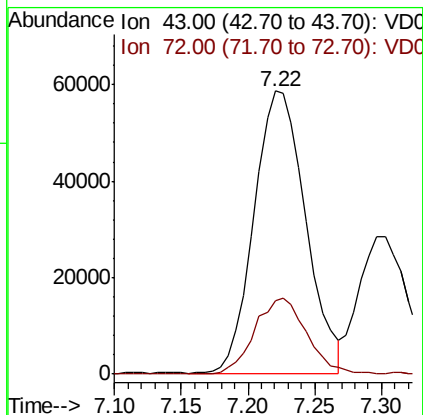
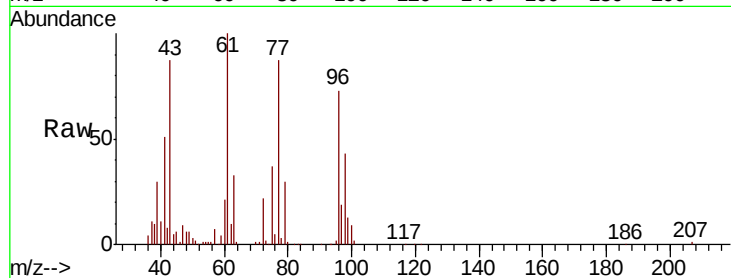
72 26.1 20.6 30.8

Manual Integrations

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MMDadoda

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#26

2,2-Dichloropropane

Concen: 19.941 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064323.D

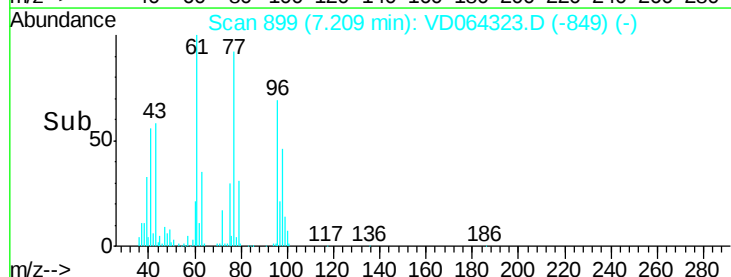
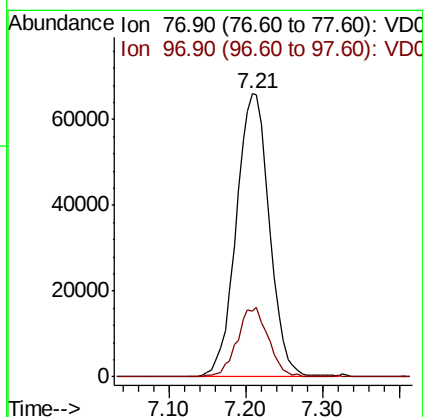
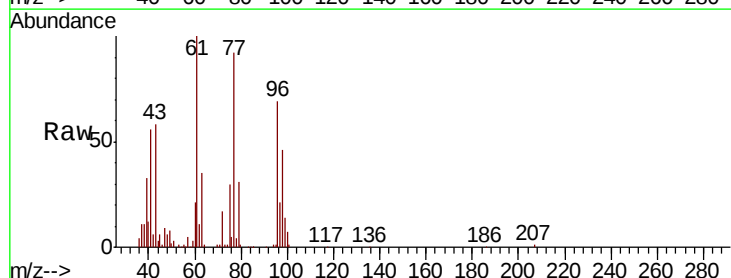
Acq: 21 Nov 2019 14:33

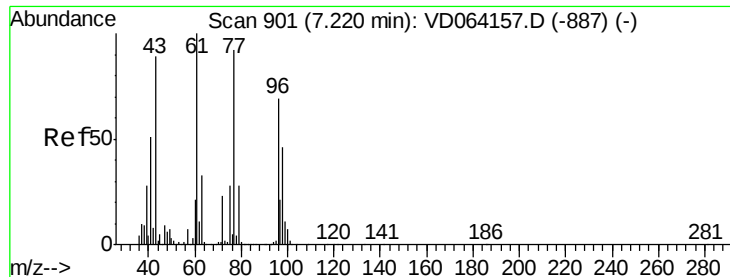
Tgt Ion: 77 Resp: 199426

Ion Ratio Lower Upper

77 100

97 23.1 11.1 33.3





#27

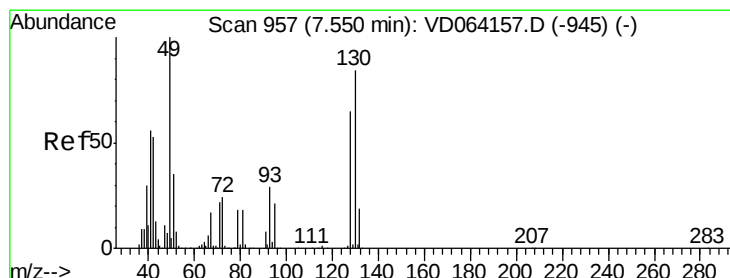
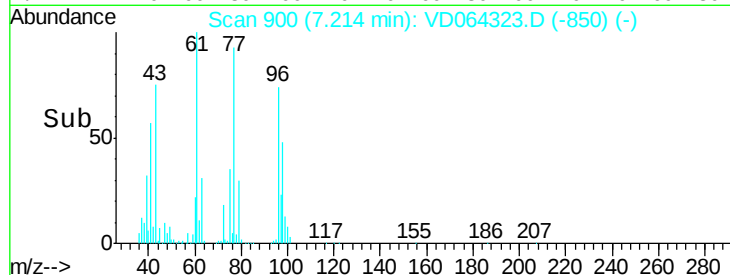
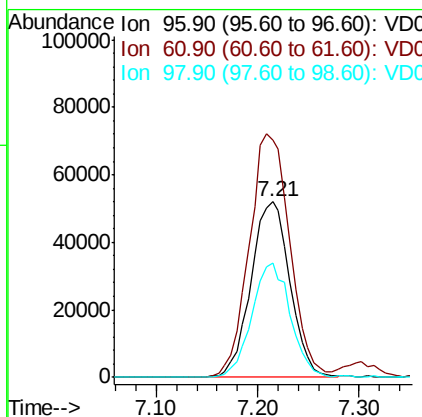
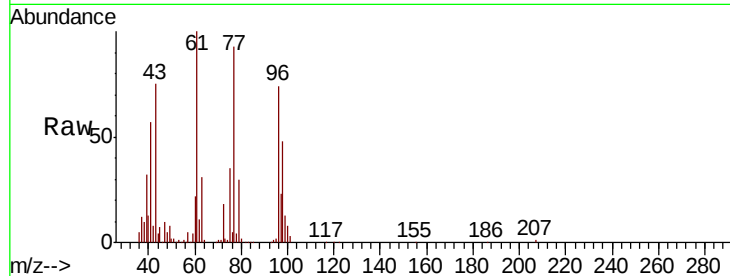
cis-1,2-Dichloroethene
Concen: 21.496 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139825		
61	144.4	0.0	301.4	
98	64.1	0.0	133.2	

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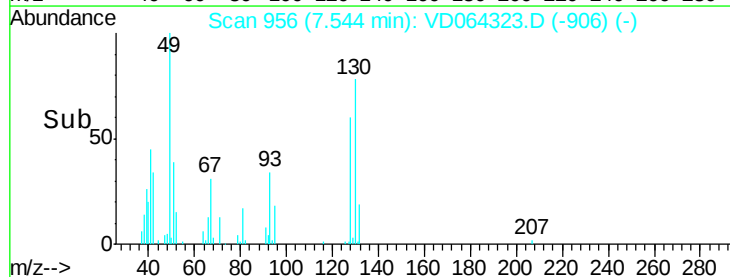
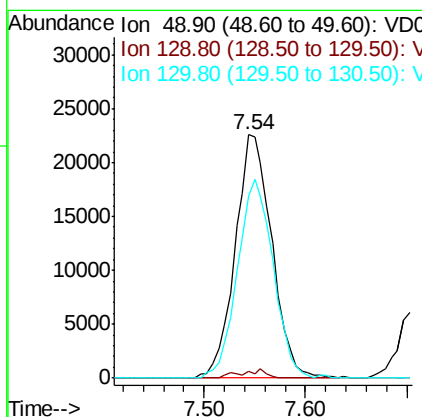
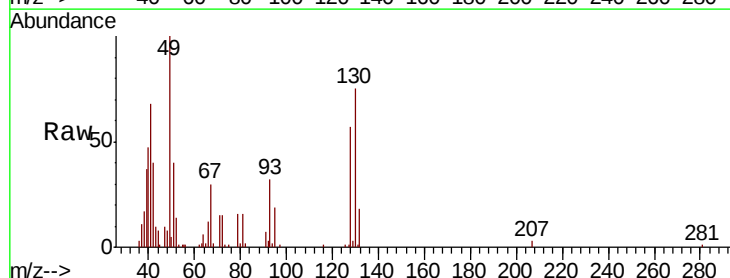
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11/23/2019 6:11:35 AM

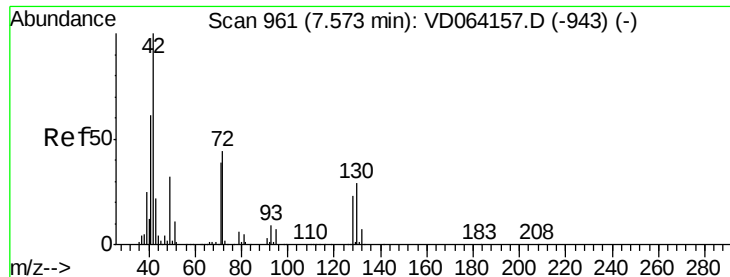


#28

Bromochloromethane
Concen: 15.926 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	56543		
129	1.6	0.0	4.4	
130	79.8	66.8	100.2	





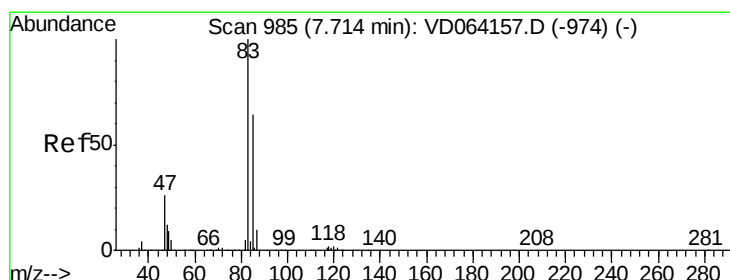
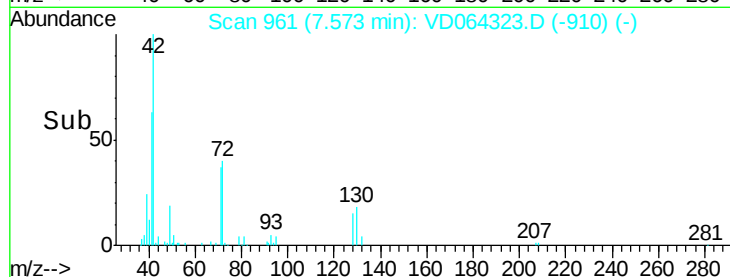
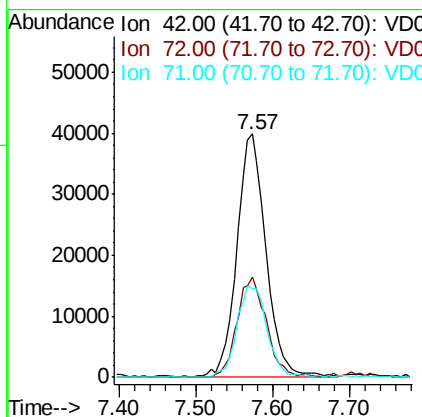
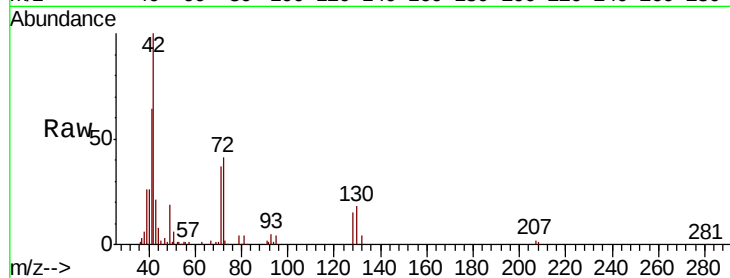
#29
Tetrahydrofuran
Concen: 110.073 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.4	50.2
71	38.9	31.0	46.4

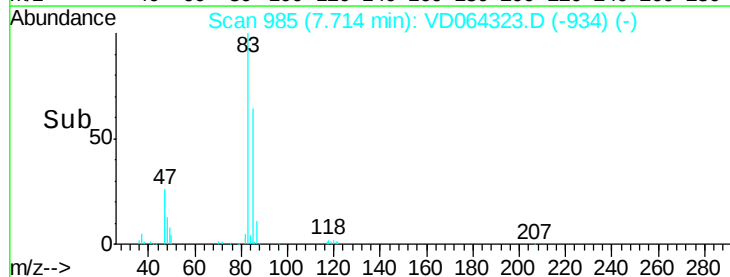
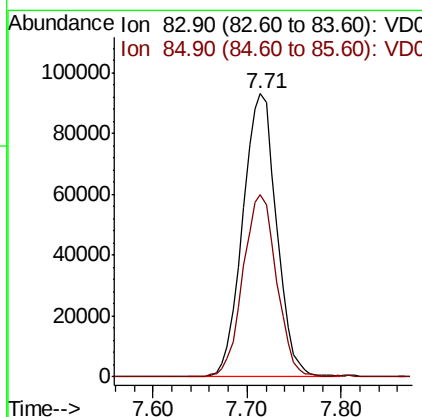
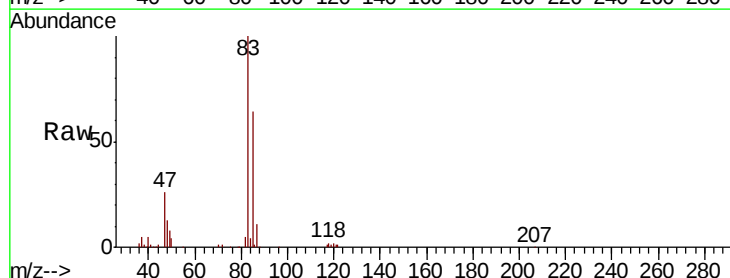
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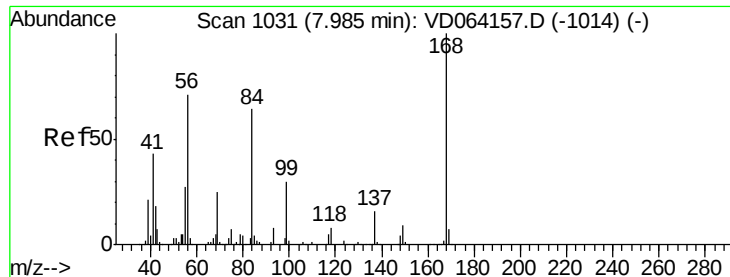
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#30
Chloroform
Concen: 22.238 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.4	77.0





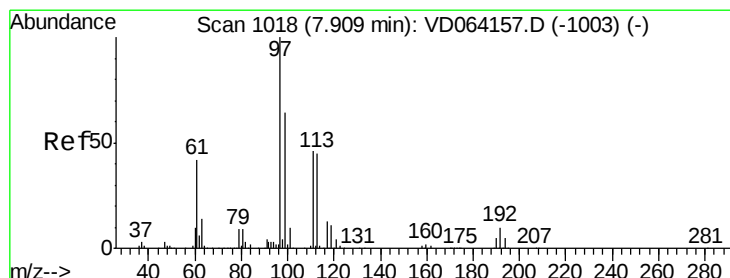
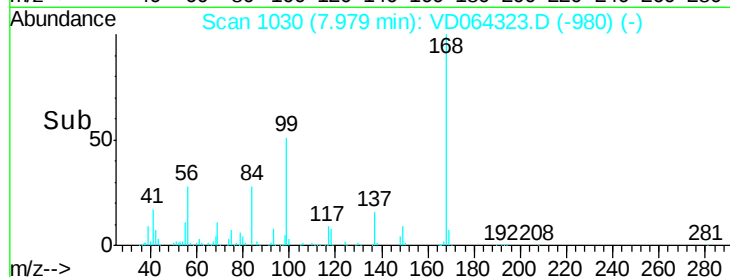
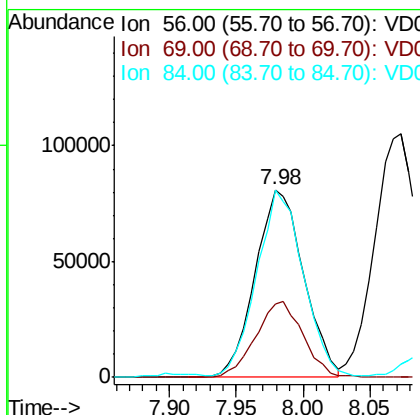
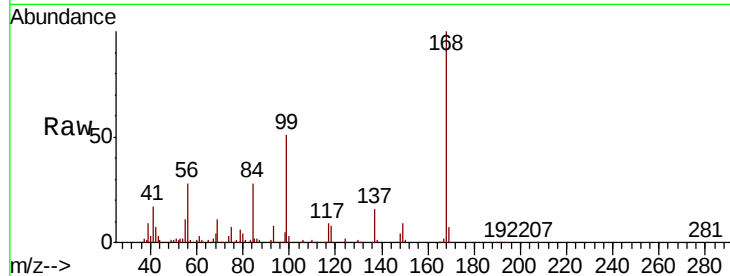
#31
Cyclohexane
Concen: 19.850 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	28.2	42.4
84	98.3	71.8	107.6

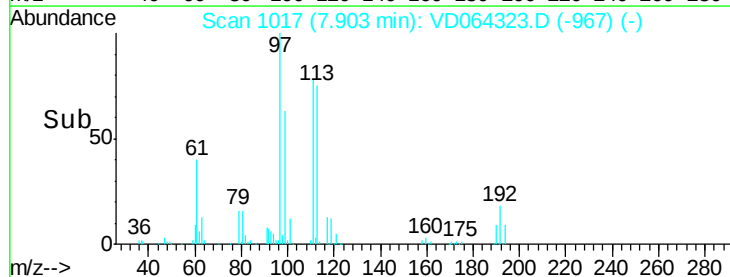
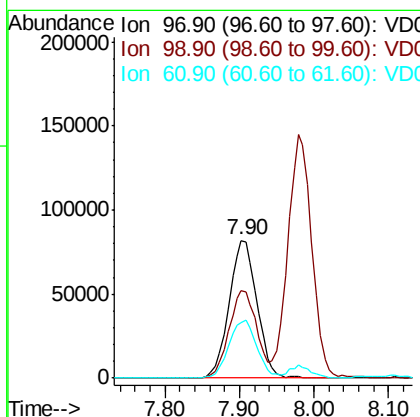
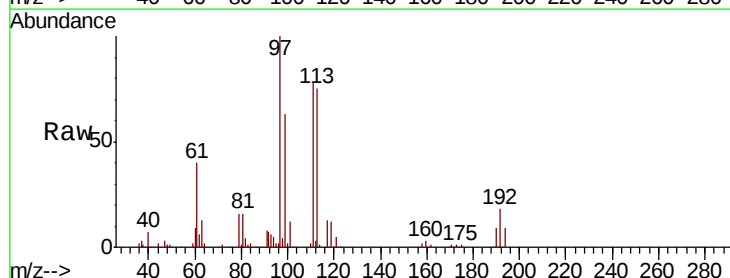
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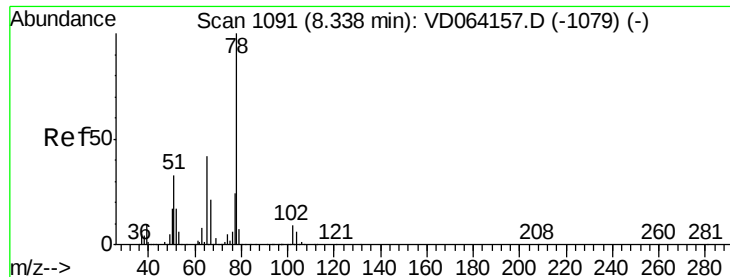
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#32
1,1,1-Trichloroethane
Concen: 21.253 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.6	77.4
61	42.4	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 49.181 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 65 Resp: 257715

Ion Ratio Lower Upper

65 100

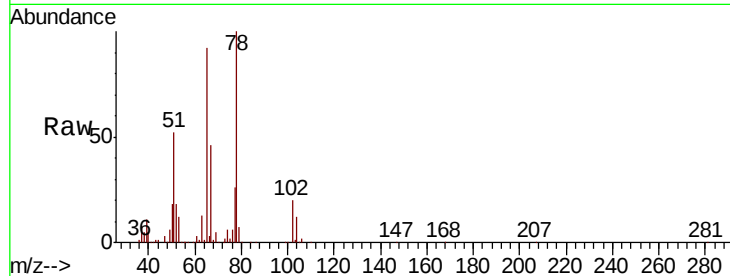
67 51.6 0.0 104.4

Manual Integrations

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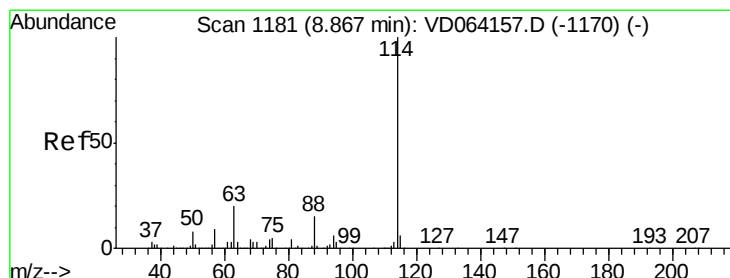
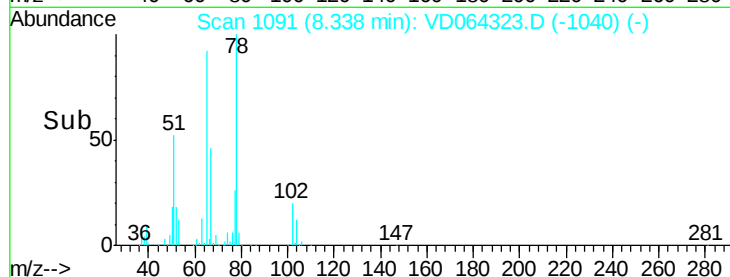
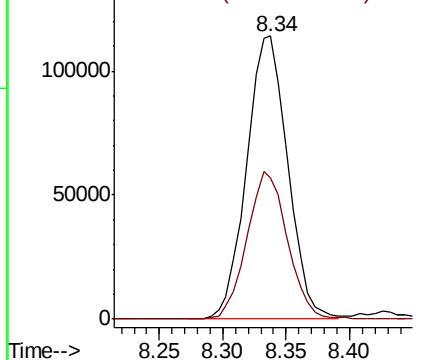
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

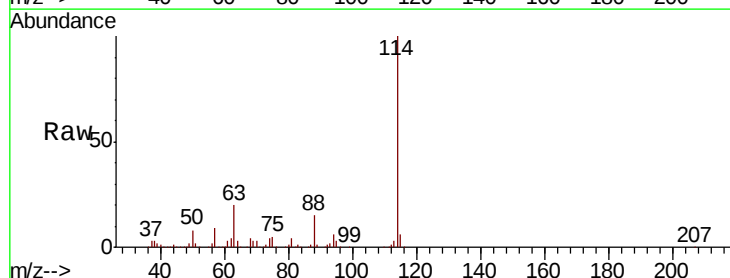
Tgt Ion: 114 Resp: 895104

Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.0

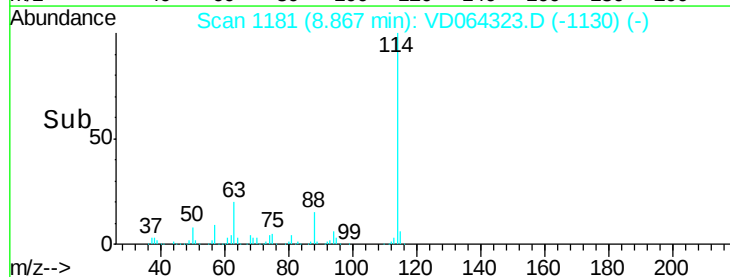
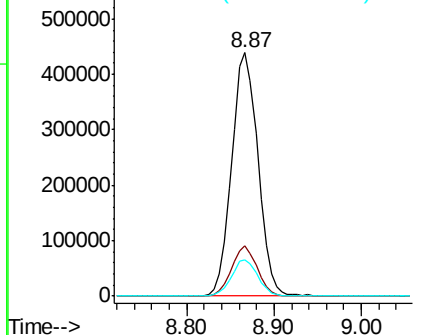
88 14.9 0.0 30.2

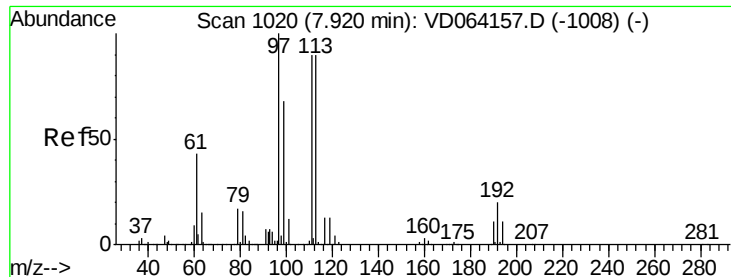


Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.156 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

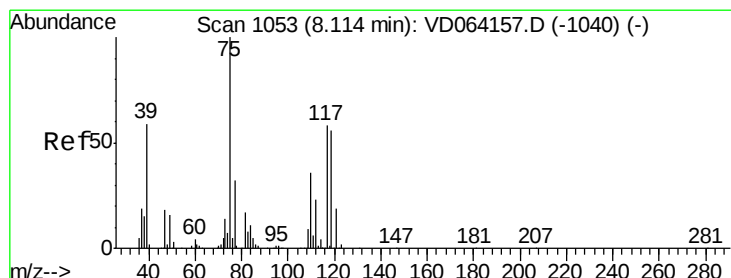
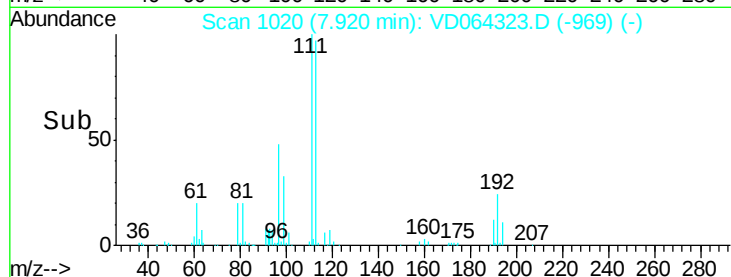
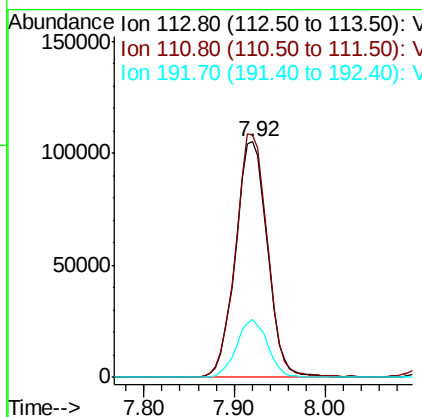
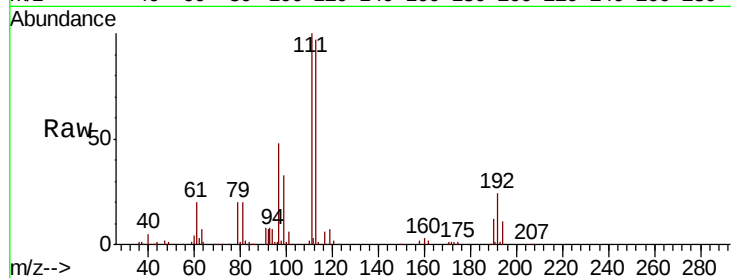
ClientSampleId :

VD1121SBS01

Tot Ion:	113	Resp:	257706
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.5	122.3
192	24.0	18.8	28.2

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#36

1,1-Dichloropropene

Concen: 21.300 ug/l

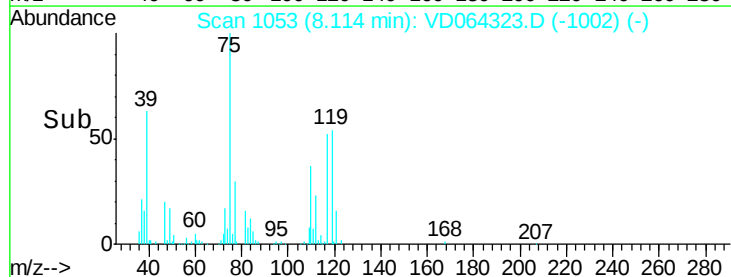
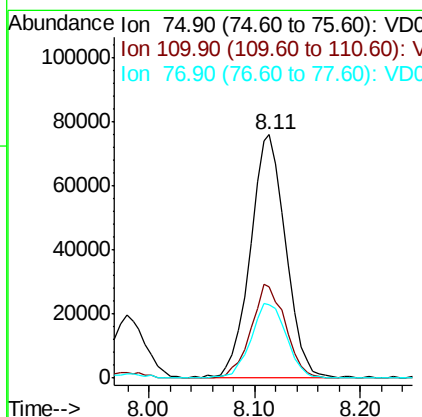
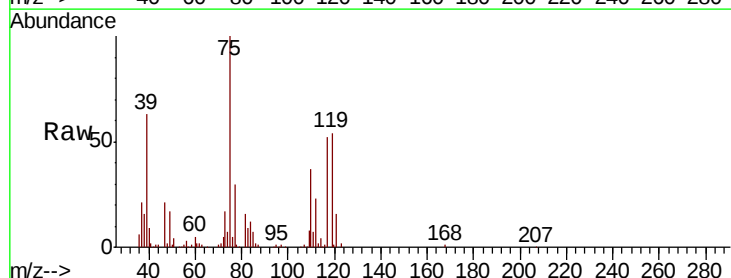
RT: 8.11 min Scan# 1053

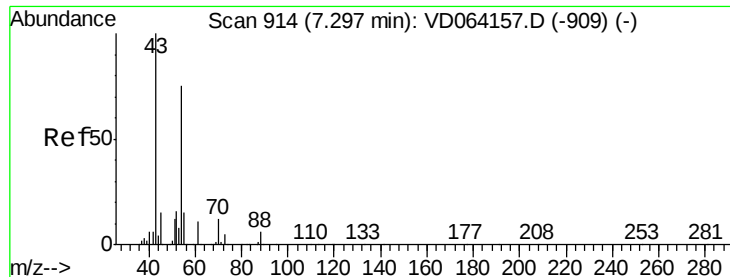
Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	75	Resp:	175962
Ion Ratio	Lower	Upper	
75	100		
110	37.6	18.3	54.9
77	31.3	25.0	37.6





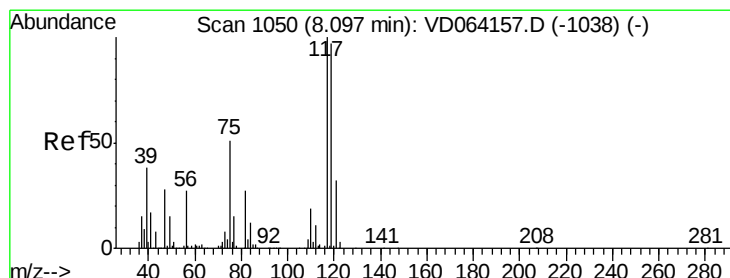
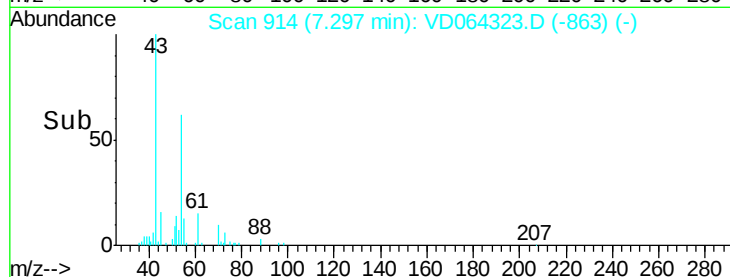
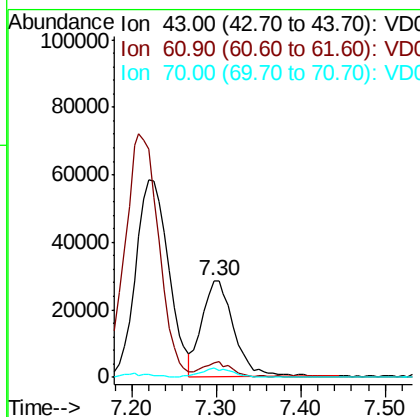
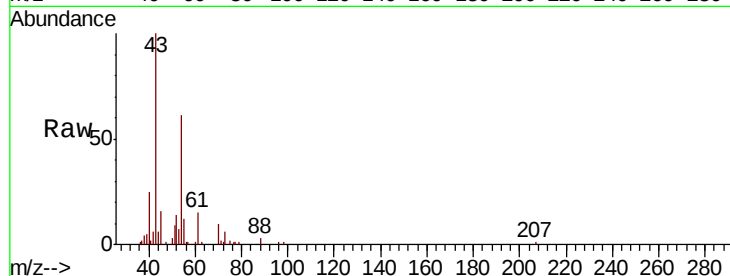
#37
Ethyl Acetate
Concen: 21.505 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.2	15.2
70	9.9	8.5	12.7

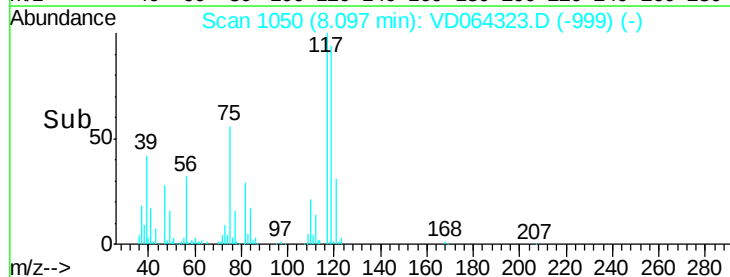
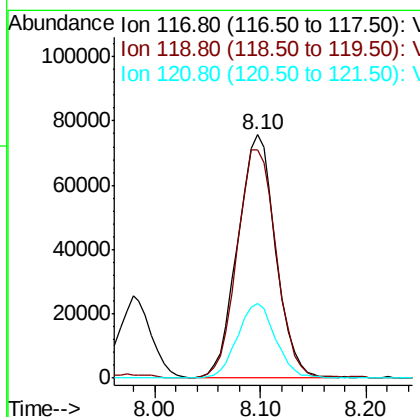
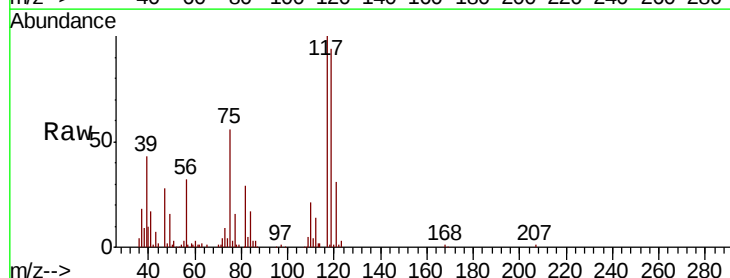
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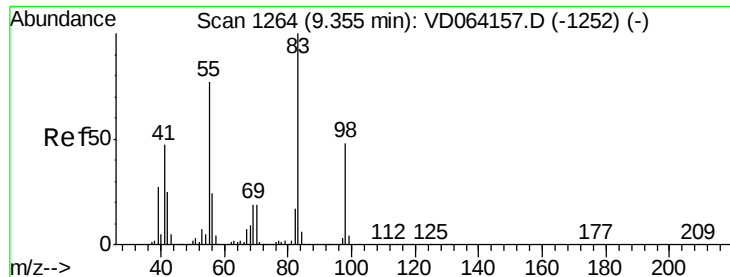
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#38
Carbon Tetrachloride
Concen: 21.177 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.2	115.8
121	30.7	25.5	38.3





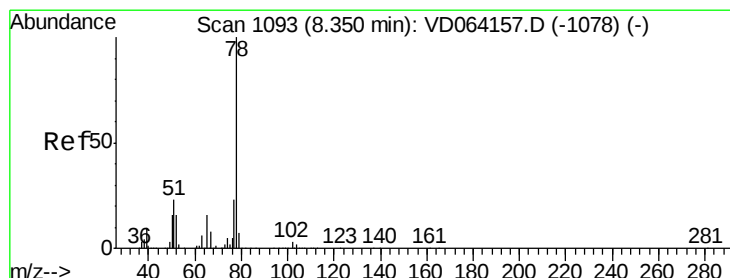
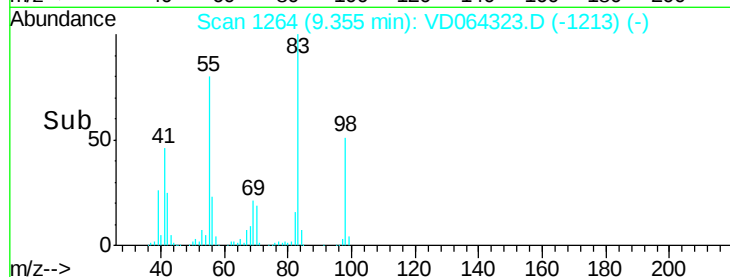
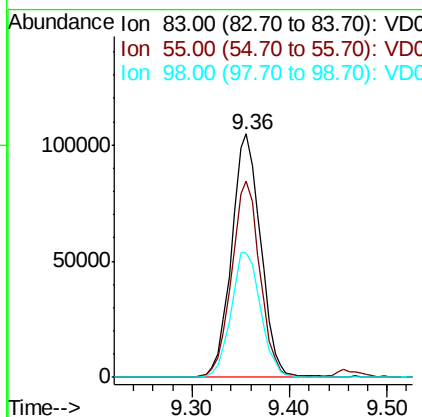
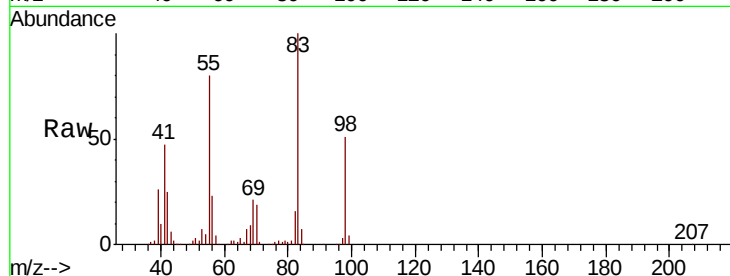
#39
Methvlcvclohexane
Concen: 20.723 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	61.7	92.5
98	51.4	38.6	58.0

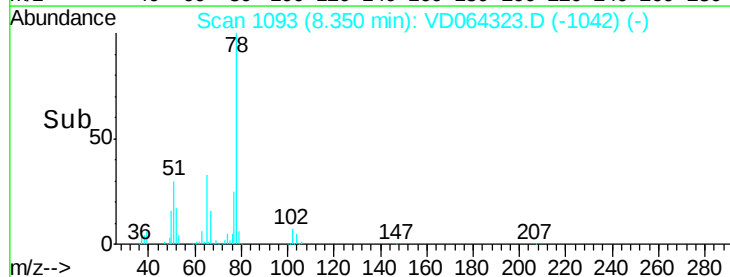
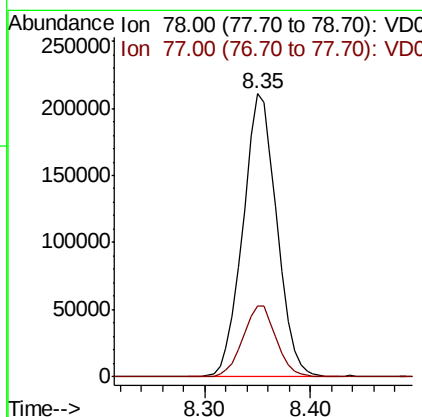
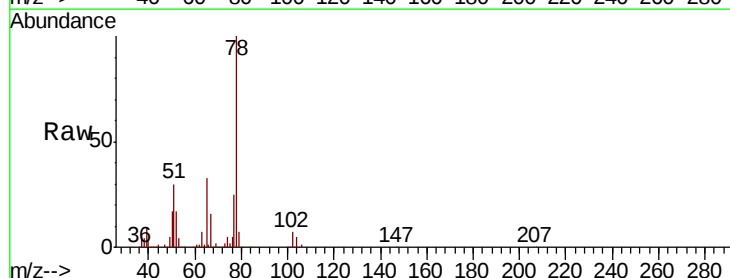
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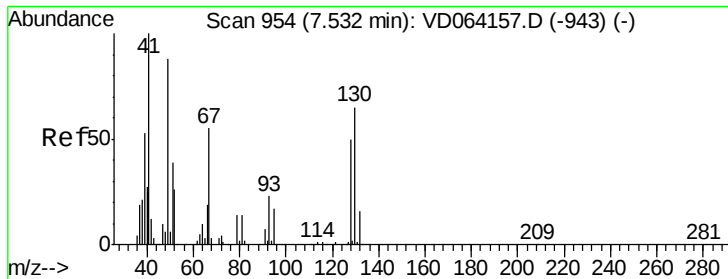
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#40
Benzene
Concen: 20.835 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.6	28.0





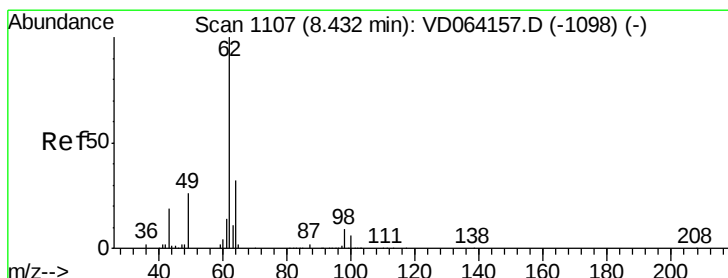
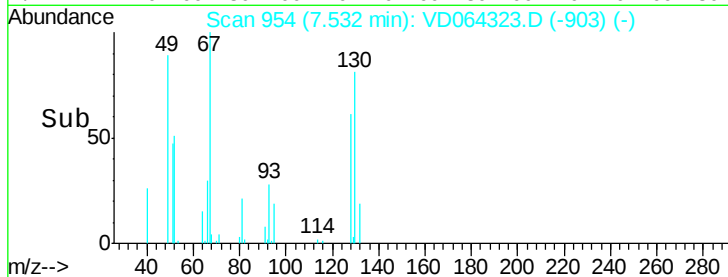
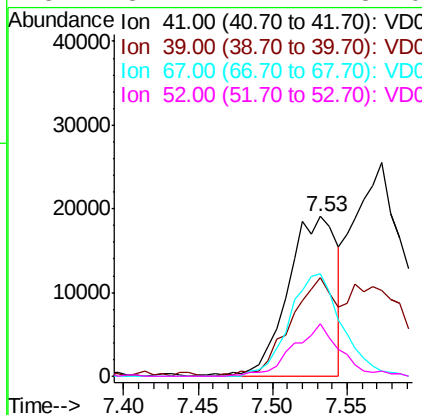
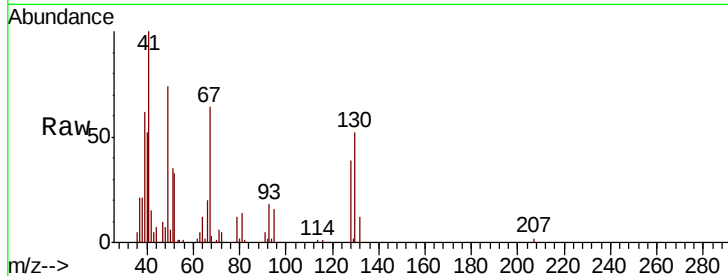
#41
Methacrylonitrile
Concen: 20.007 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion:	41	Resp:	43793
Ion	Ratio	Lower	Upper
41	100		
39	56.8	49.4	74.2
67	68.8	49.6	74.4
52	31.7	21.4	32.0

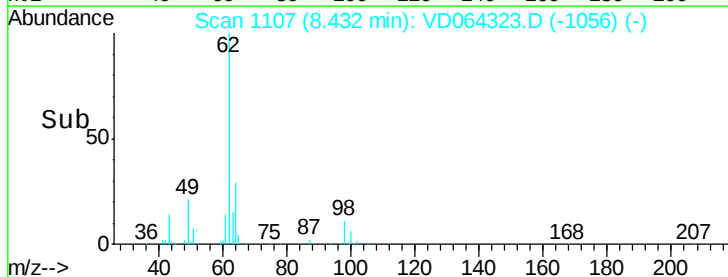
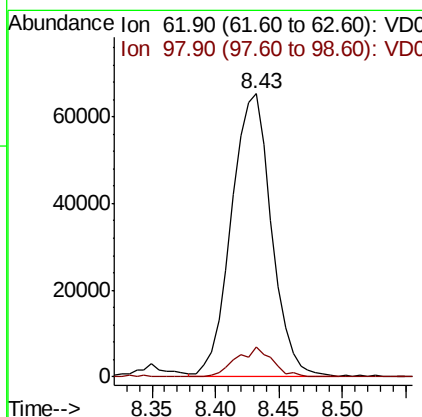
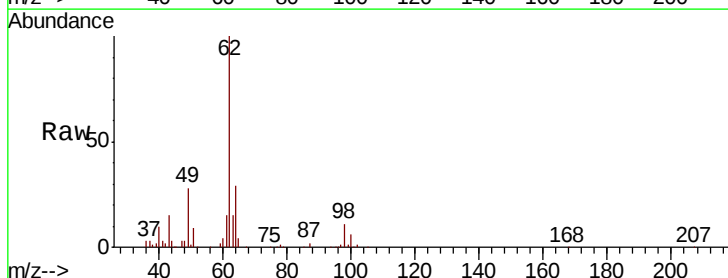
Manual Integrations
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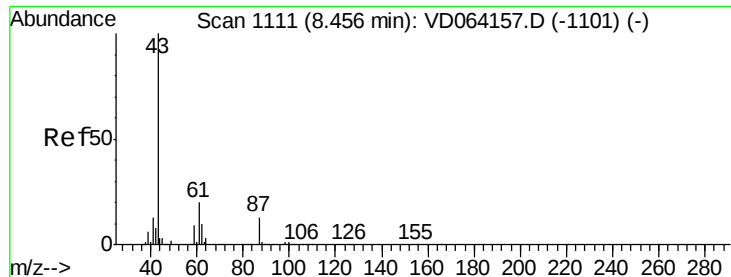
MMDadoda
11/23/2019 6:11:35 AM



#42
1,2-Dichloroethane
Concen: 21.042 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion:	62	Resp:	142682
Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.0





#43

Isopropyl Acetate

Concen: 20.773 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

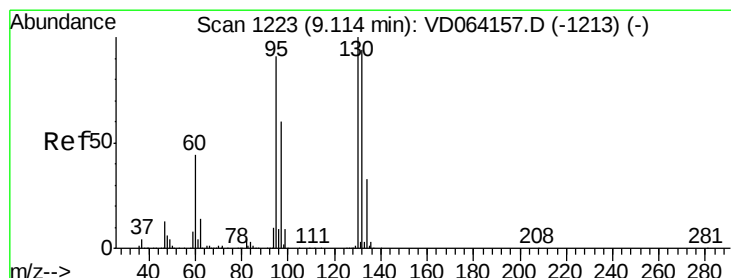
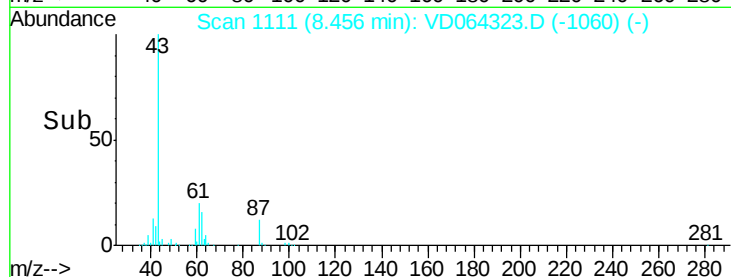
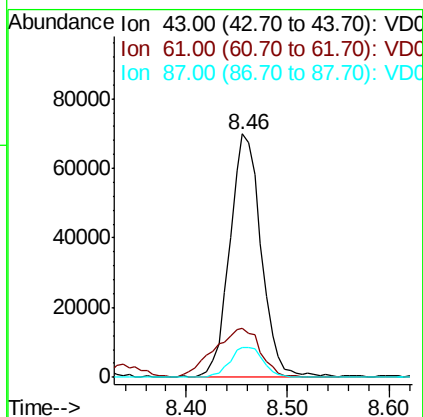
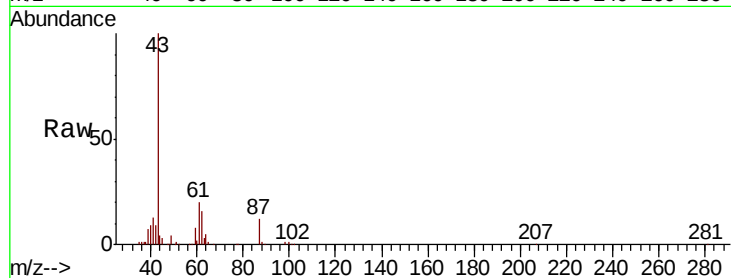
ClientSampleId :

VD1121SBS01

Tot Ion:	43	Resp:	149061
Ion	Ratio	Lower	Upper
43	100		
61	29.2	22.9	34.3
87	13.2	10.2	15.2

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11/23/2019 6:11:35 AM



#44

Trichloroethene

Concen: 21.782 ug/l

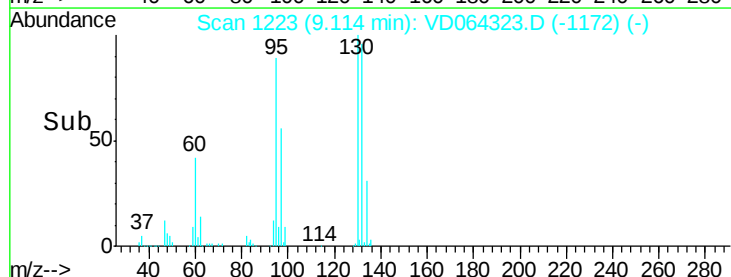
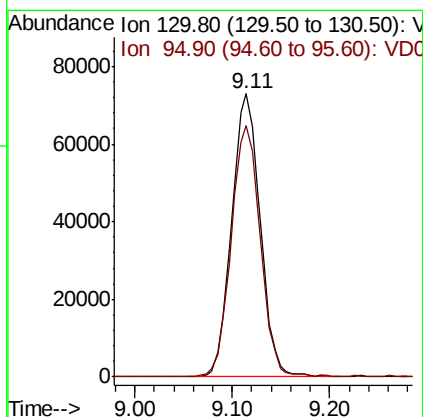
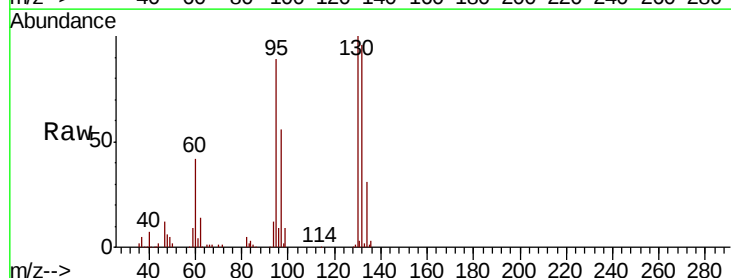
RT: 9.11 min Scan# 1223

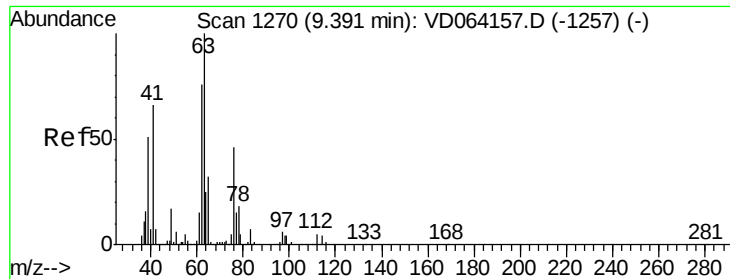
Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	130	Resp:	147602
Ion	Ratio	Lower	Upper
130	100		
95	88.6	0.0	181.6





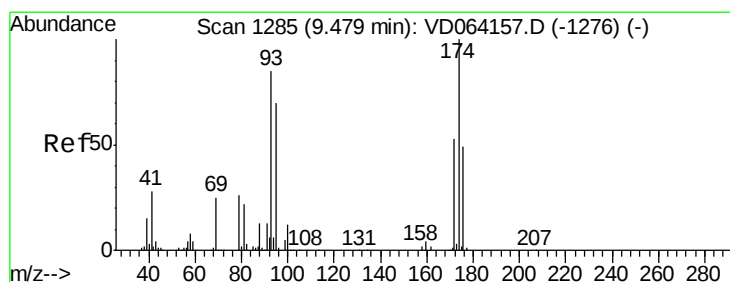
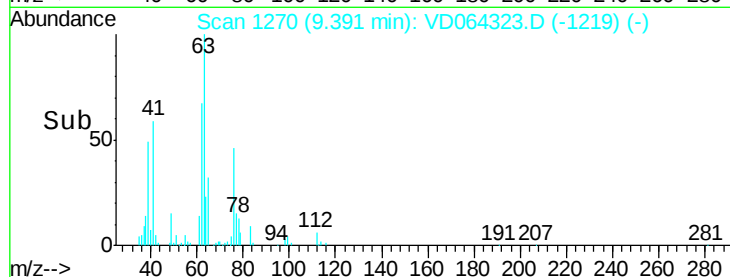
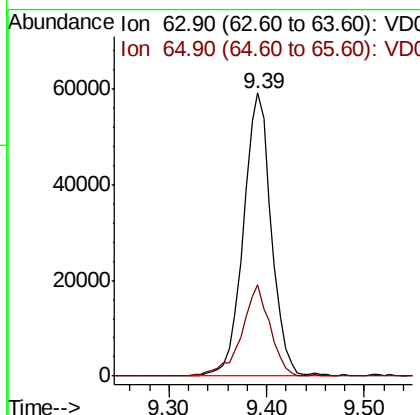
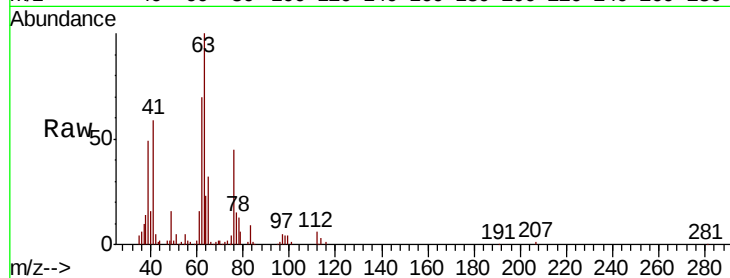
#45
 1,2-Dichloropropane
 Concen: 21.530 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.2	25.7	38.5

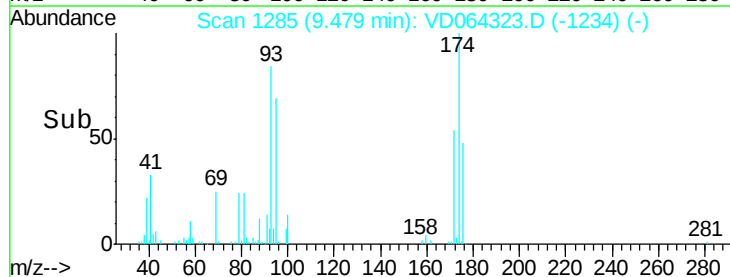
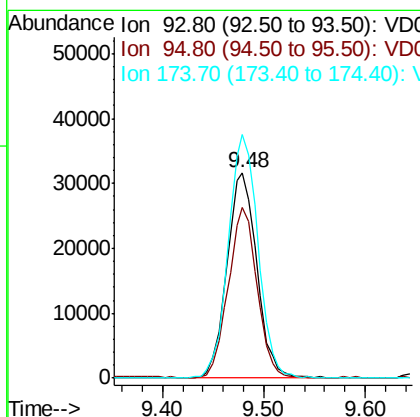
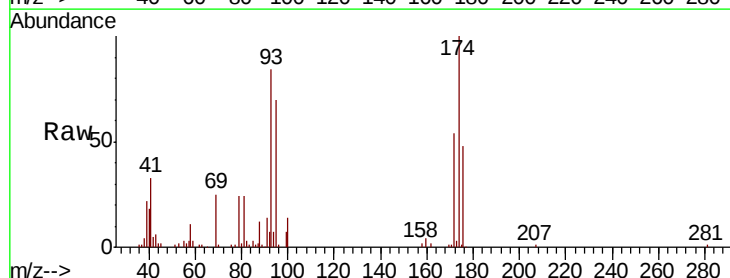
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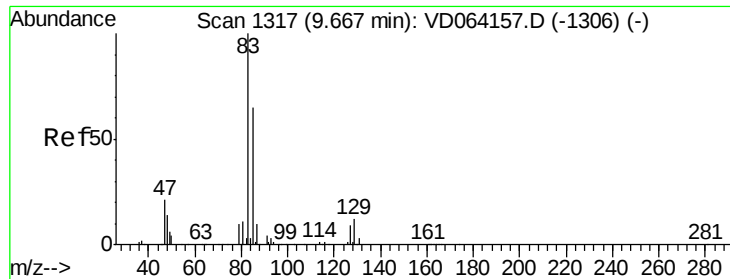
MMDadoda
 11/23/2019 6:11:35 AM



#46
 Dibromomethane
 Concen: 22.015 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	65.5	98.3
174	117.4	93.9	140.9





#47

Bromodichloromethane

Concen: 20.925 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

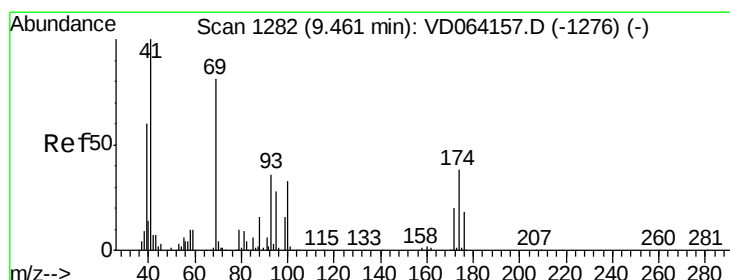
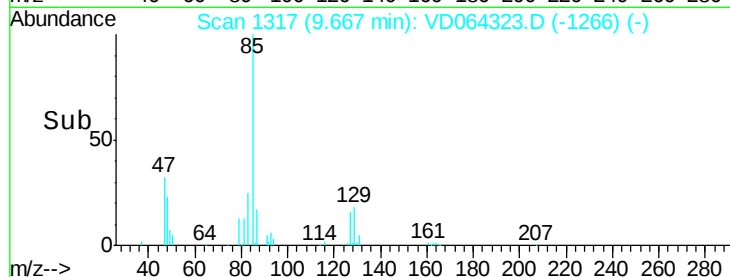
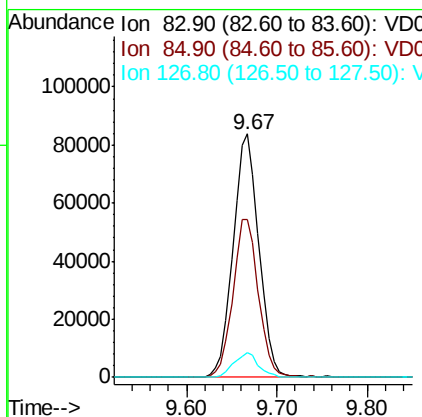
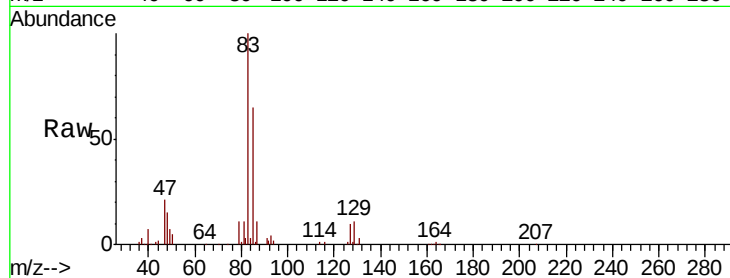
ClientSampleId :

VD1121SBS01

Tot Ion:	83	Resp:	165818
Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.2	78.4
127	10.4	7.5	11.3

Manual Integrations
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MMDadoda
11/23/2019 6:11:35 AM



#48

Methyl methacrylate

Concen: 19.339 ug/l

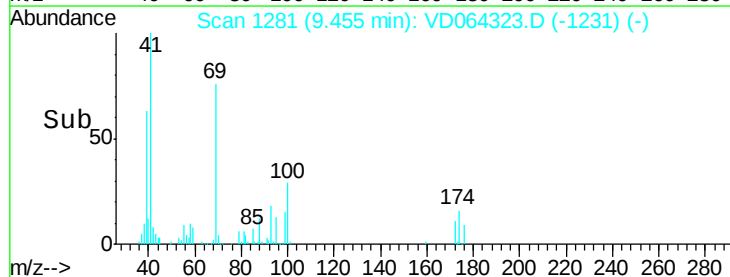
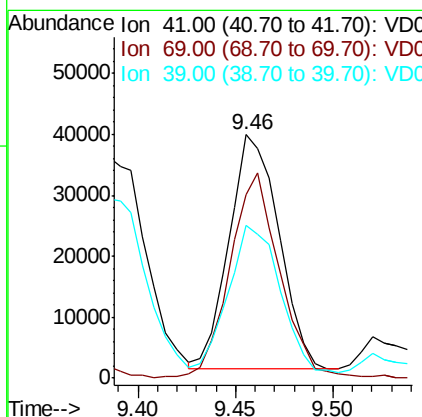
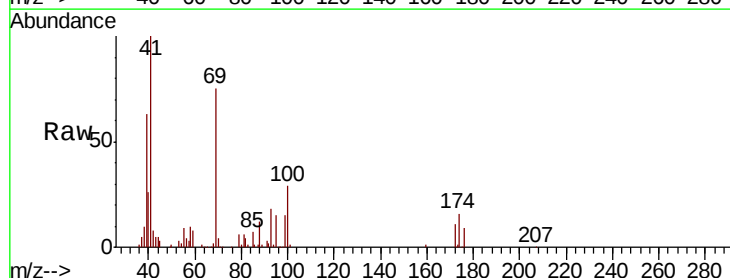
RT: 9.46 min Scan# 1281

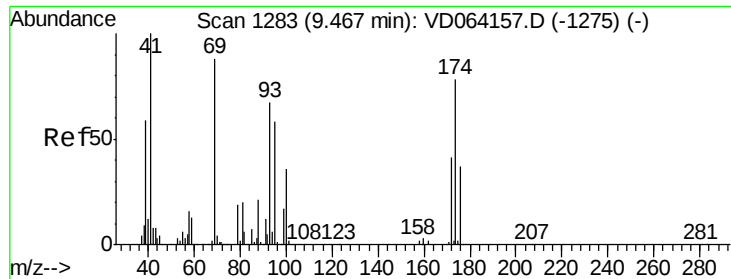
Delta R.T. -0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	41	Resp:	67857
Ion	Ratio	Lower	Upper
41	100		
69	88.2	64.6	97.0
39	70.4	48.2	72.2





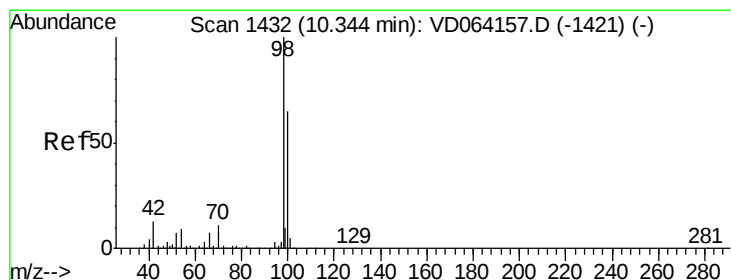
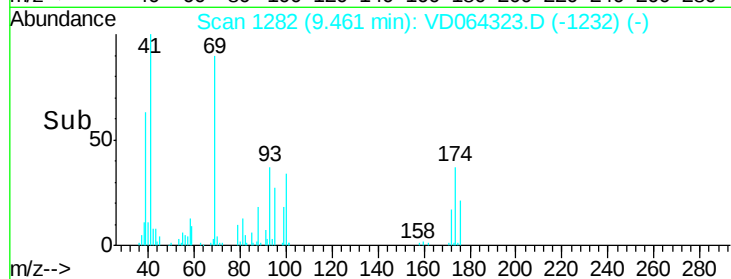
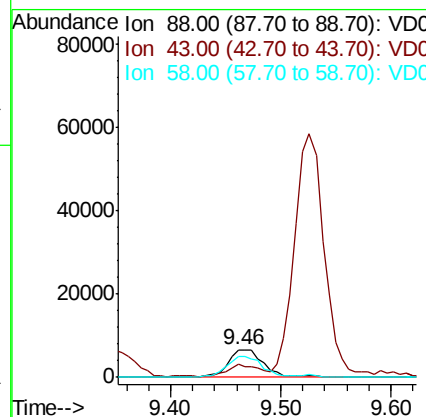
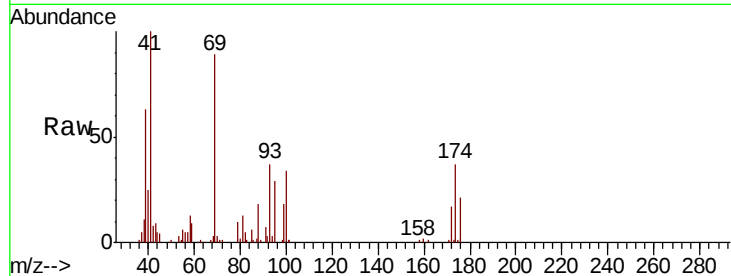
#49
 1,4-Dioxane
 Concen: 428.129 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.4	29.8	44.8
58	76.0	58.1	87.1

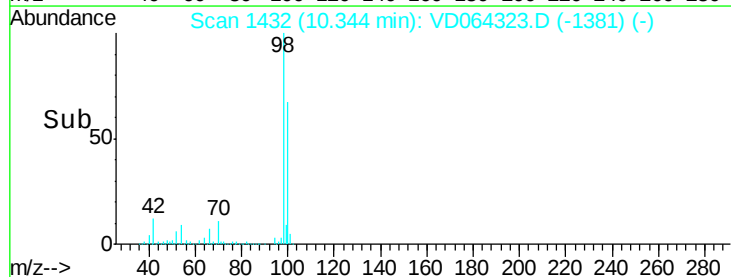
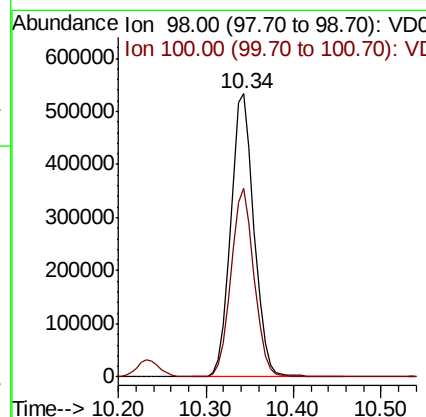
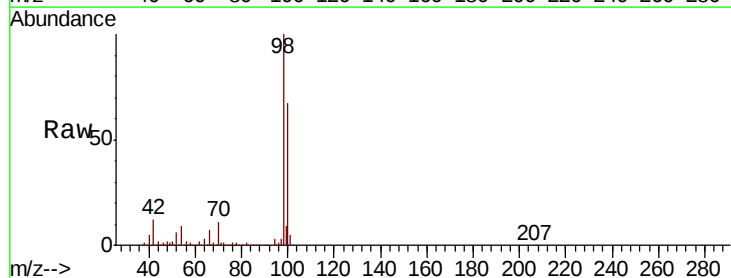
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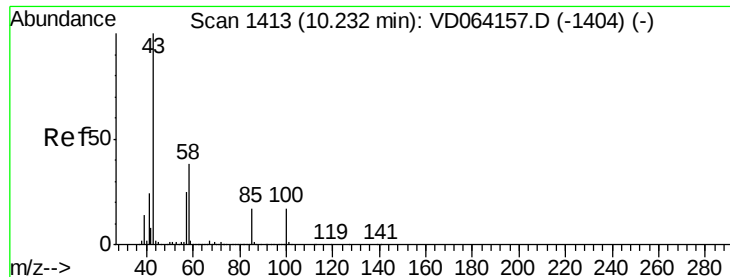
MMDadoda
 11/23/2019 6:11:35 AM



#50
 Toluene-d8
 Concen: 50.075 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 105.970 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 43 Resp: 364649

Ion Ratio Lower Upper

43 100

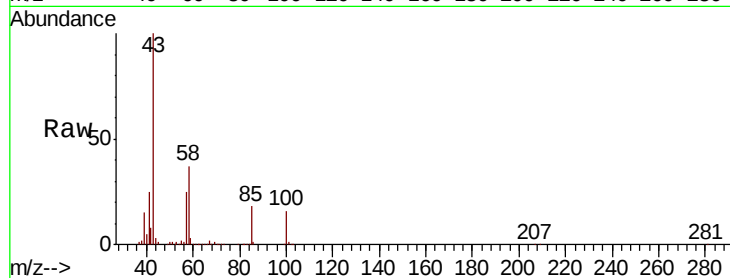
58 37.6 30.2 45.4

Manual Integrations

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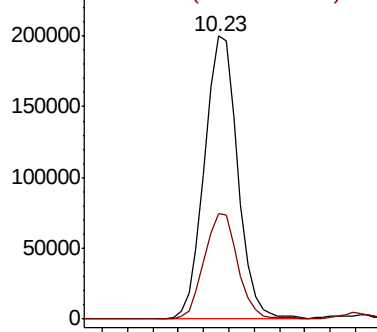
MMDadoda

11/23/2019 6:11:35 AM

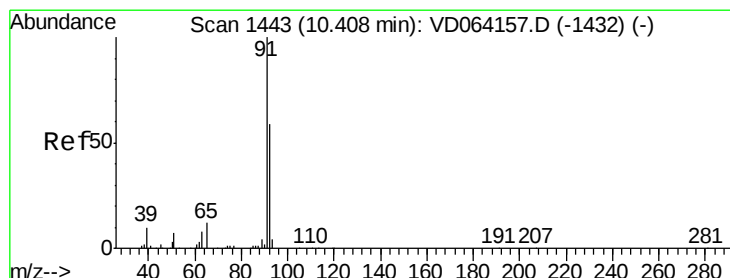
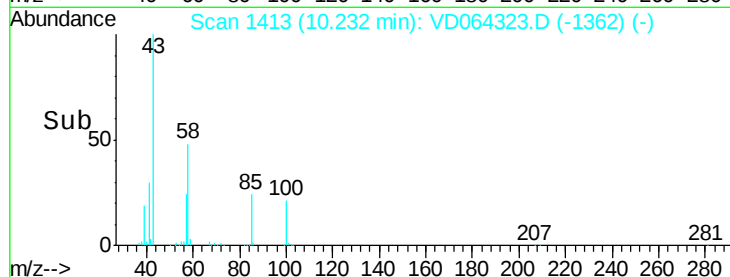


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



Time-->



#52

Toluene

Concen: 21.069 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064323.D

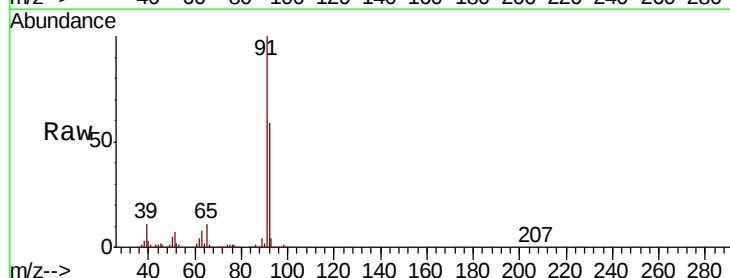
Acq: 21 Nov 2019 14:33

Tgt Ion: 92 Resp: 312789

Ion Ratio Lower Upper

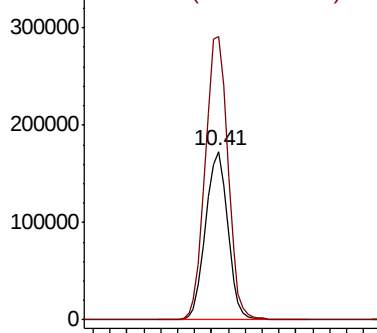
92 100

91 172.5 136.4 204.6

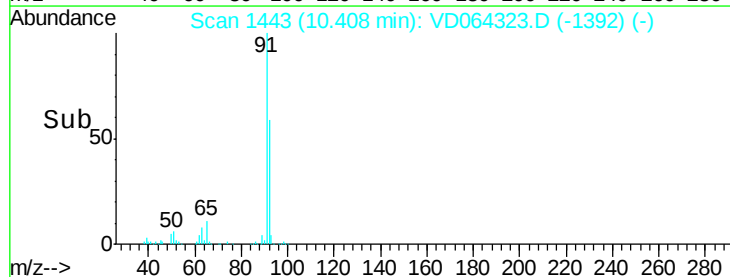


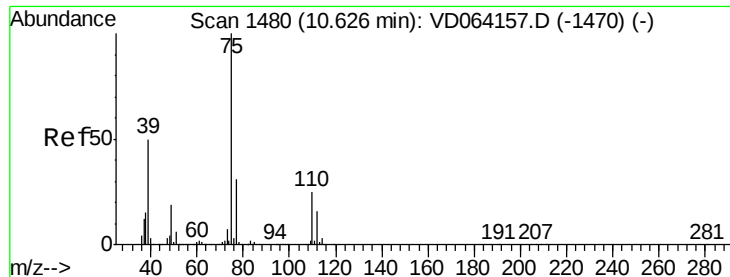
Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC



Time-->





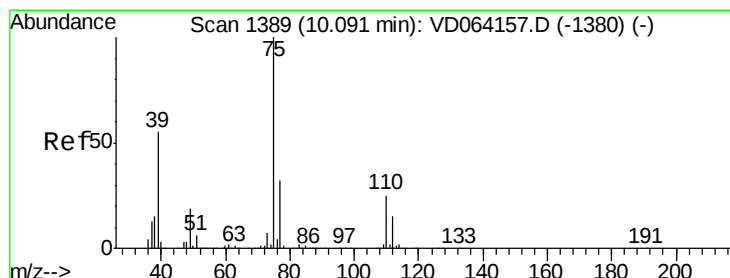
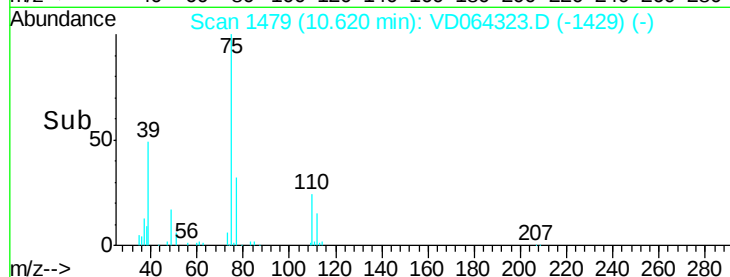
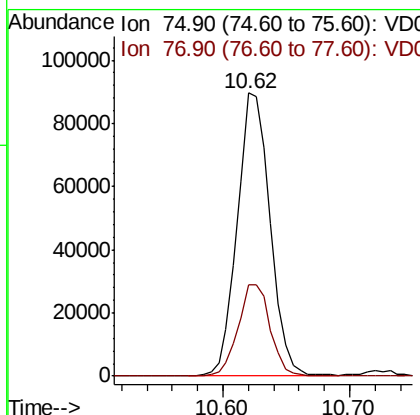
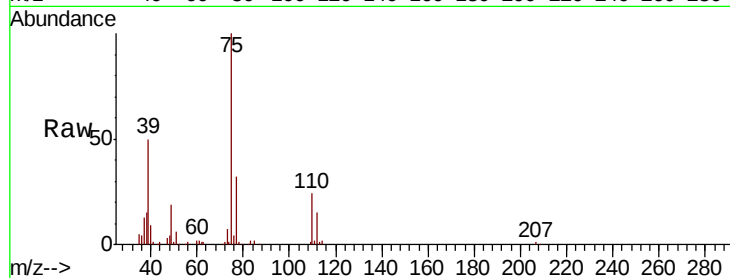
#53
t-1,3-Dichloropropene
Concen: 20.316 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion: 75 Resp: 161290
Ion Ratio Lower Upper
75 100
77 32.1 24.7 37.1

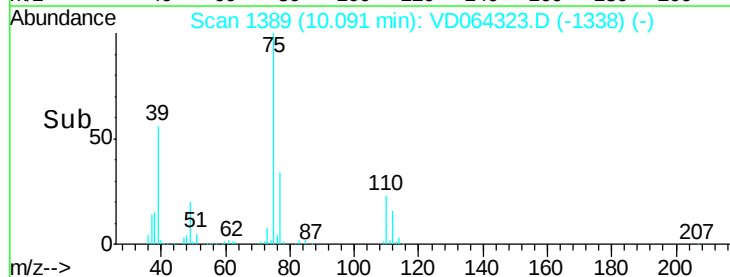
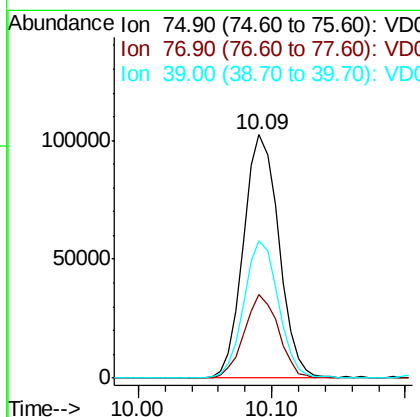
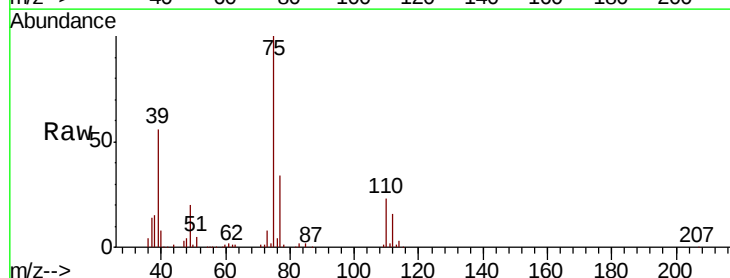
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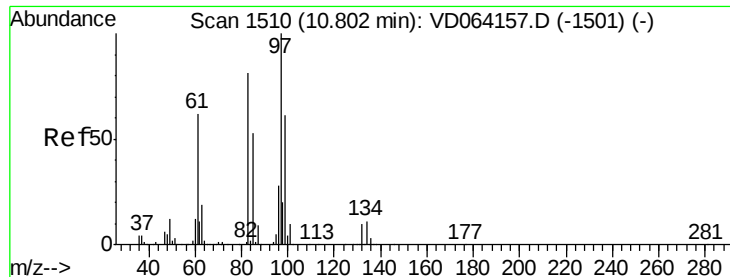
MMDadoda
11/23/2019 6:11:35 AM



#54
cis-1,3-Dichloropropene
Concen: 20.344 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion: 75 Resp: 188475
Ion Ratio Lower Upper
75 100
77 34.3 25.2 37.8
39 56.3 44.2 66.2





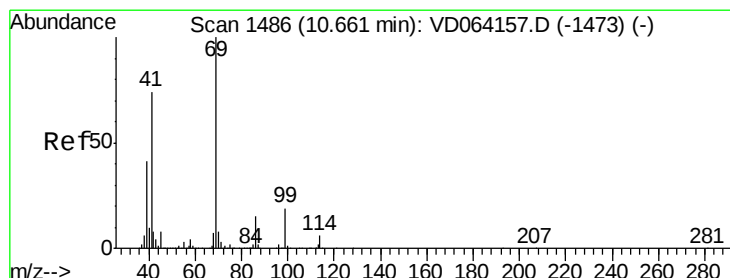
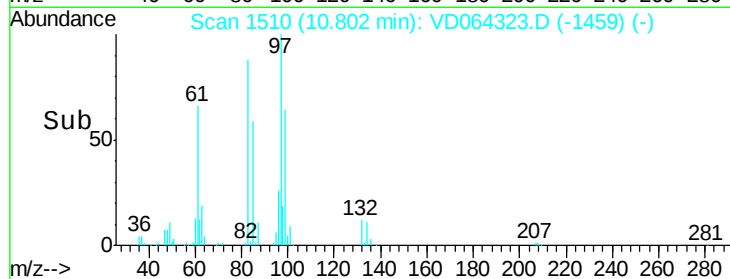
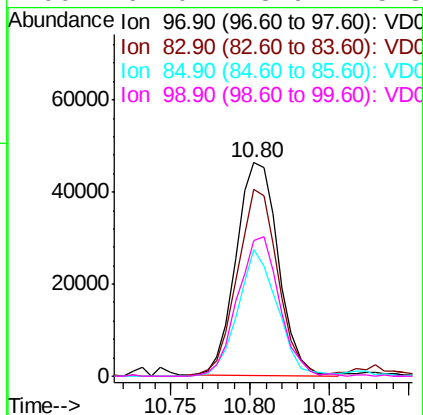
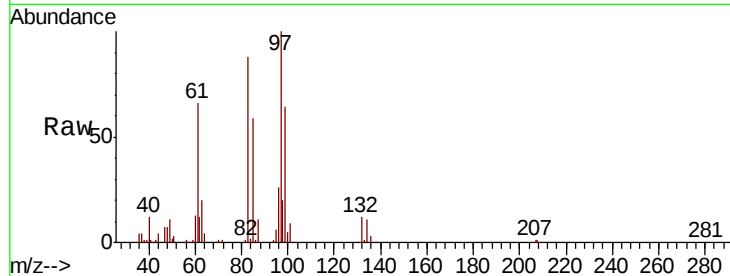
#55
 1,1,2-Trichloroethane
 Concen: 21.485 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion:	97	Resp:	85747
Ion	Ratio	Lower	Upper
97	100		
83	88.2	65.1	97.7
85	59.4	42.0	63.0
99	64.0	48.9	73.3

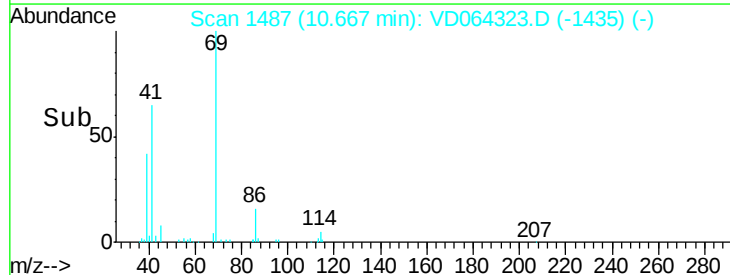
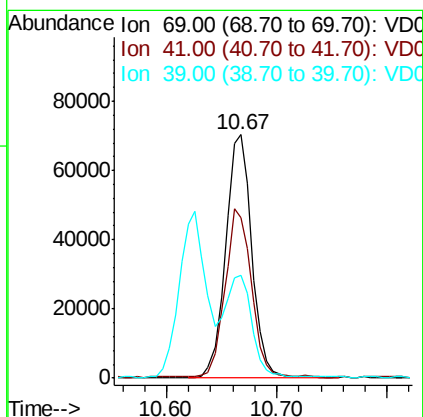
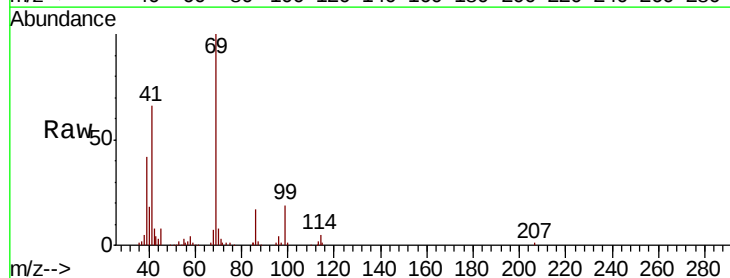
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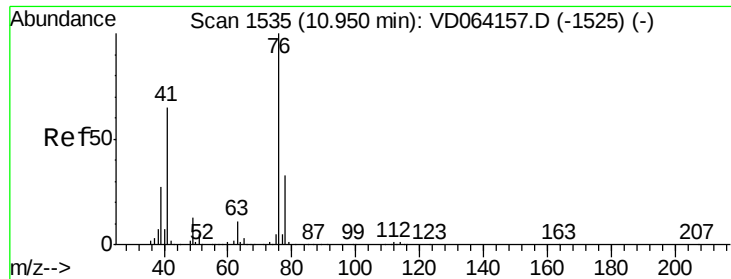
MMDadoda
 11/23/2019 6:11:35 AM



#56
 Ethyl methacrylate
 Concen: 20.909 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion:	69	Resp:	116732
Ion	Ratio	Lower	Upper
69	100		
41	69.1	57.9	86.9
39	43.8	29.0	43.4#





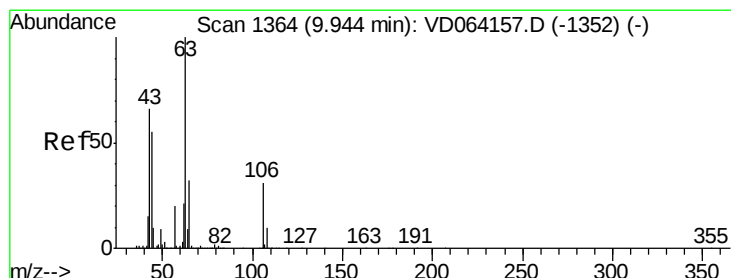
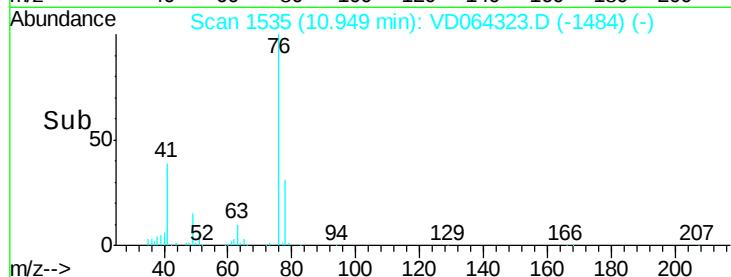
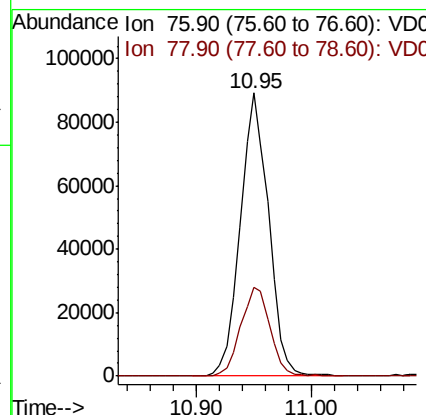
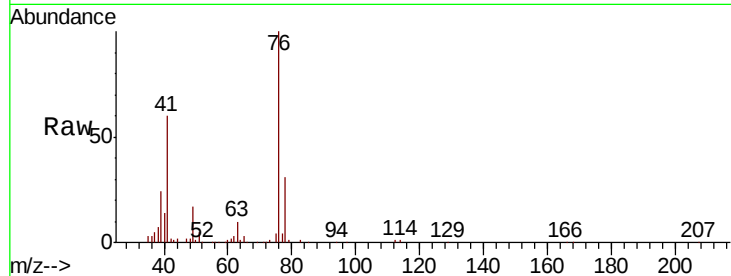
#57
 1,3-Dichloropropane
 Concen: 21.737 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion: 76 Resp: 151294
 Ion Ratio Lower Upper
 76 100
 78 32.5 26.2 39.4

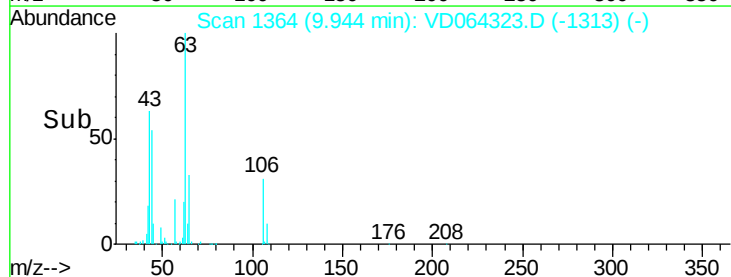
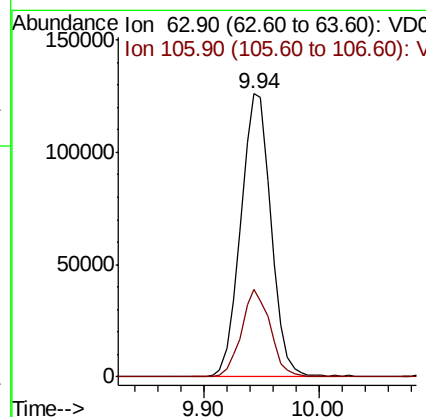
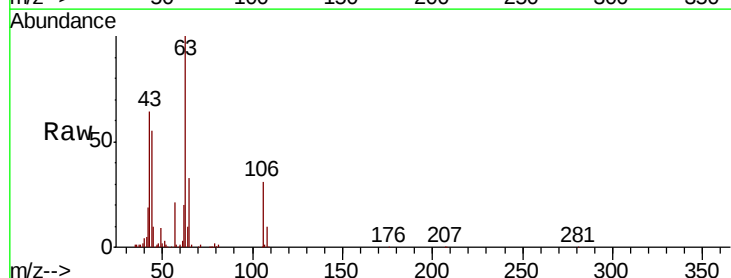
Manual Integrations
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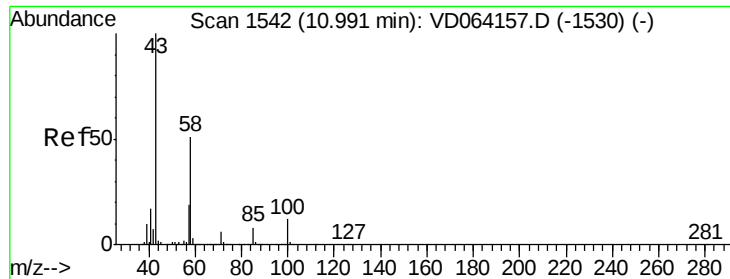
MMDadoda
 11/23/2019 6:11:35 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.285 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion: 63 Resp: 229054
 Ion Ratio Lower Upper
 63 100
 106 29.3 24.1 36.1





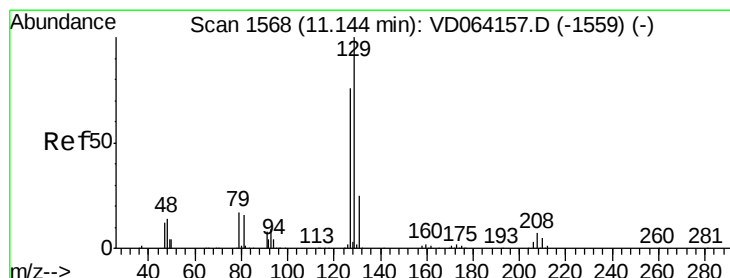
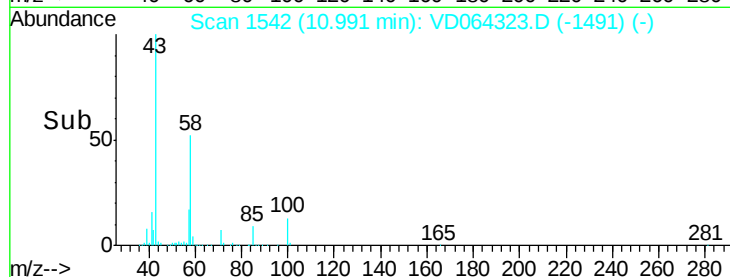
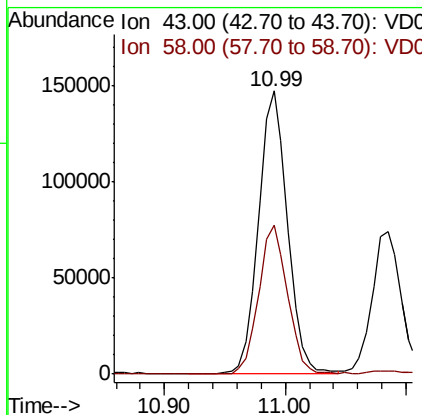
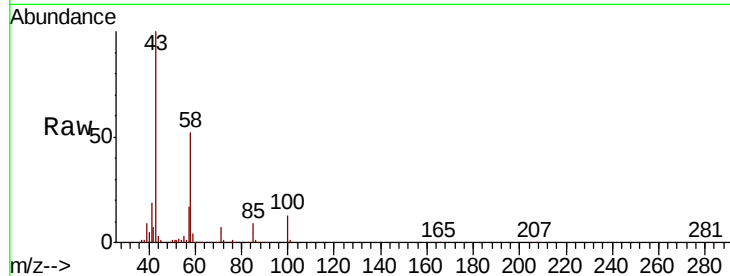
#59
2-Hexanone
Concen: 100.028 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion: 43 Resp: 244881
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.7

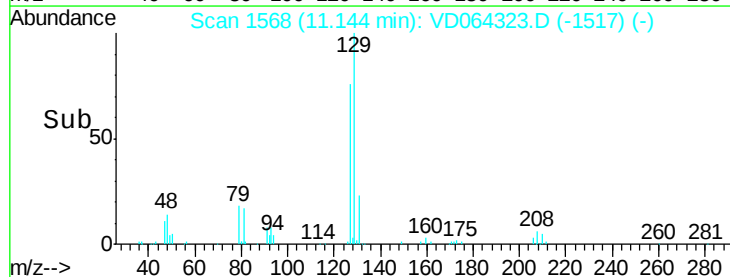
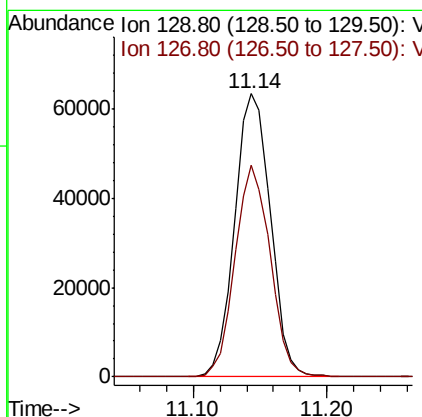
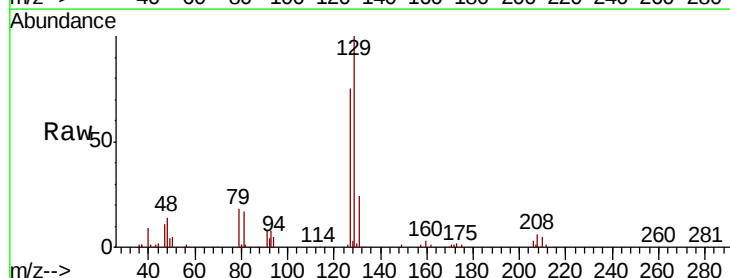
Manual Integrations
APPROVED

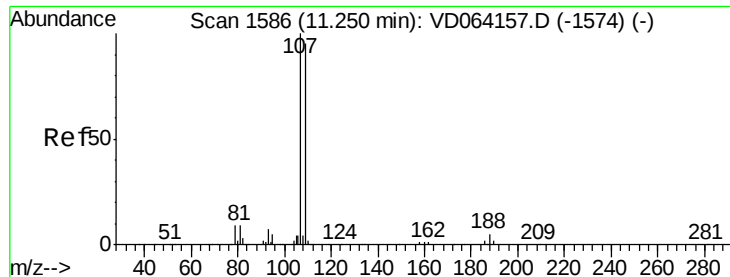
MMDadoda
11/23/2019 6:11:35 AM



#60
Dibromochloromethane
Concen: 21.096 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion: 129 Resp: 117480
Ion Ratio Lower Upper
129 100
127 74.0 38.6 115.8





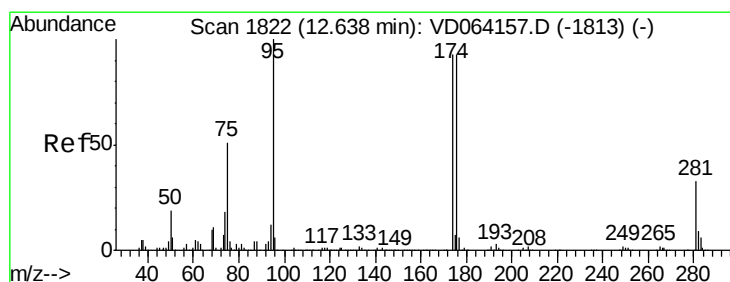
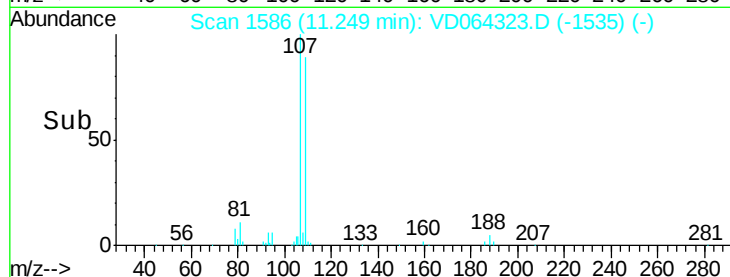
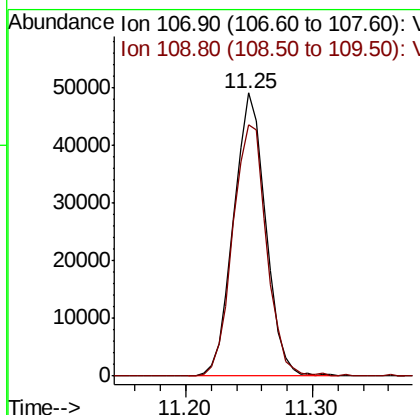
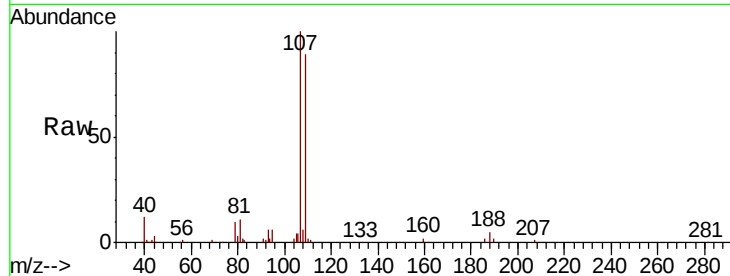
#61
 1,2-Dibromoethane
 Concen: 21.510 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion: 107 Resp: 85985
 Ion Ratio Lower Upper
 107 100
 109 93.3 75.1 112.7

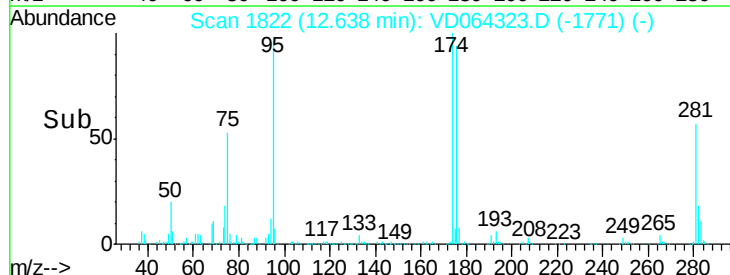
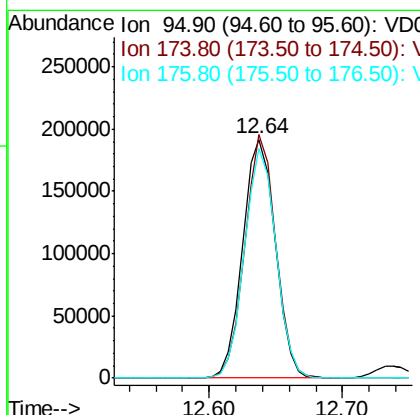
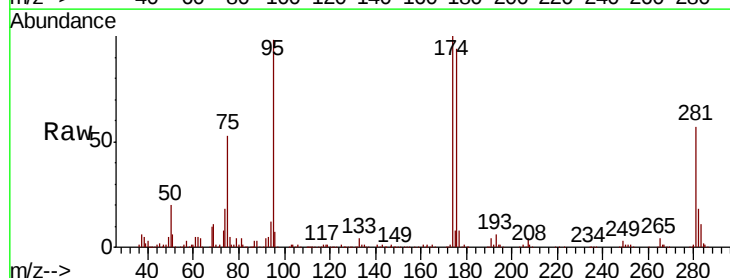
Manual Integrations
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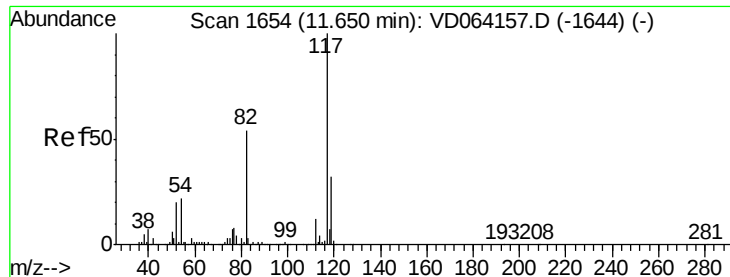
MMDadoda
 11/23/2019 6:11:35 AM



#62
 4-Bromofluorobenzene
 Concen: 48.048 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion: 95 Resp: 322520
 Ion Ratio Lower Upper
 95 100
 174 96.7 0.0 183.6
 176 93.1 0.0 180.2





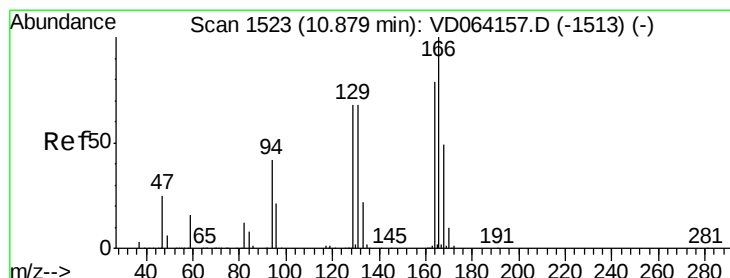
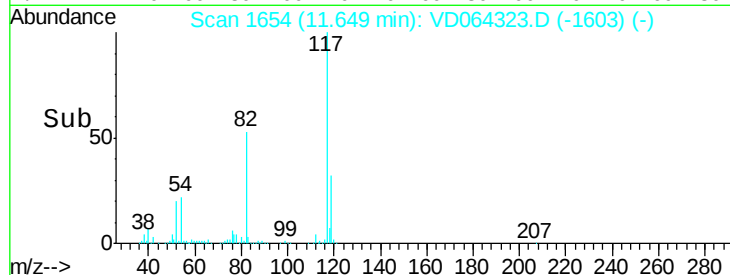
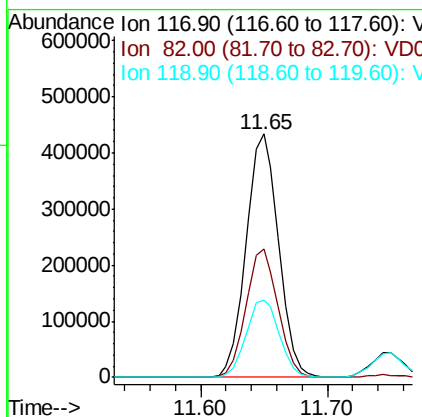
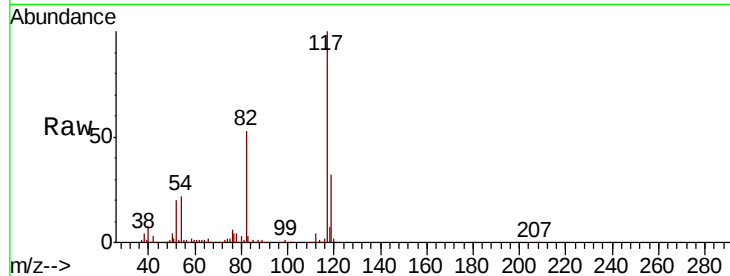
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	772514		
82	53.0		42.8	64.2
119	31.6		25.6	38.4

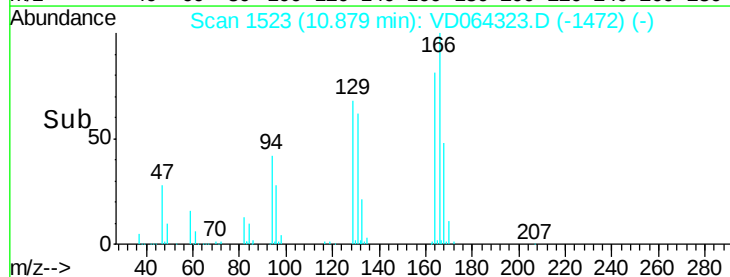
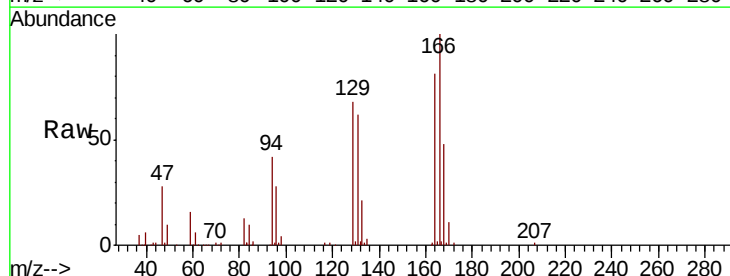
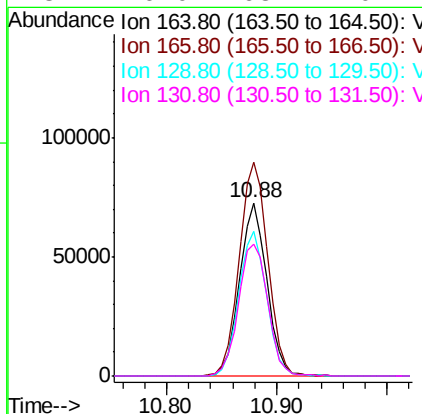
Manual Integrations
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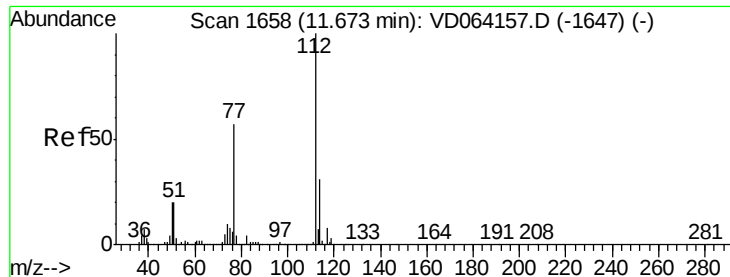
MMDadoda
11/23/2019 6:11:35 AM



#64
Tetrachloroethene
Concen: 21.253 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	126272		
166	123.4		100.8	151.2
129	83.7		68.7	103.1
131	76.0		68.1	102.1





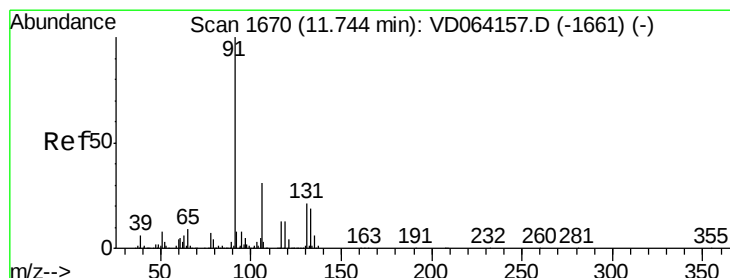
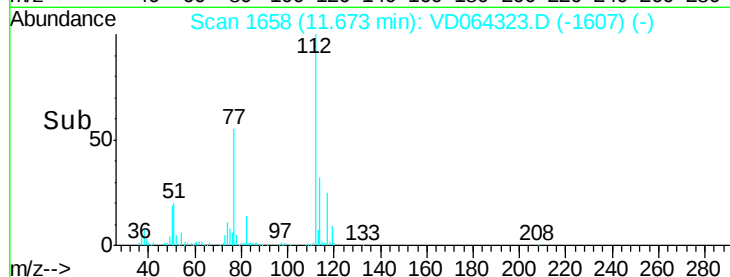
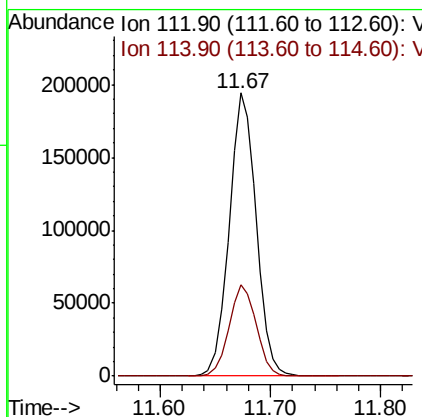
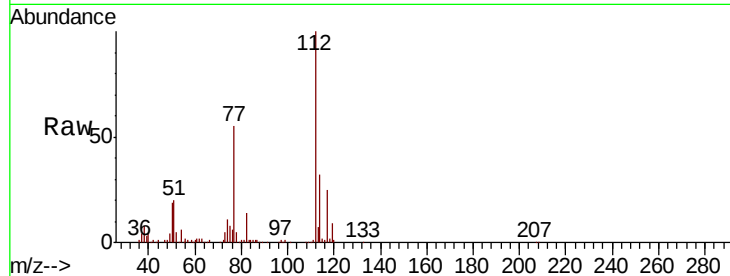
#65
Chlorobenzene
Concen: 21.157 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.2	37.8

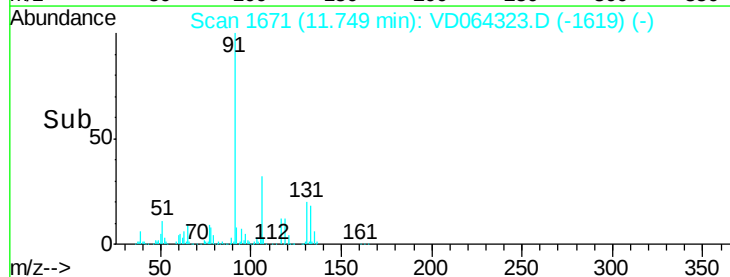
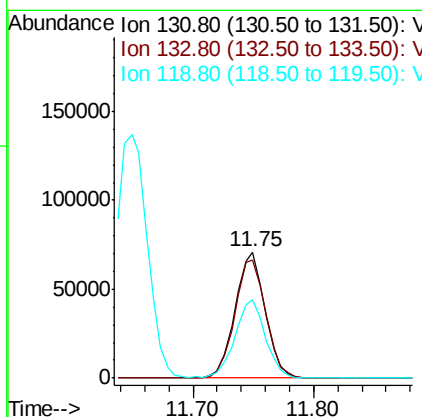
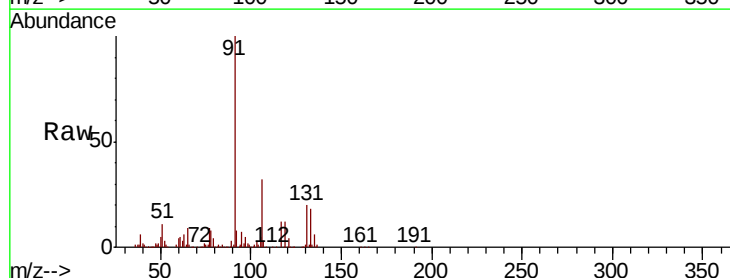
Manual Integrations
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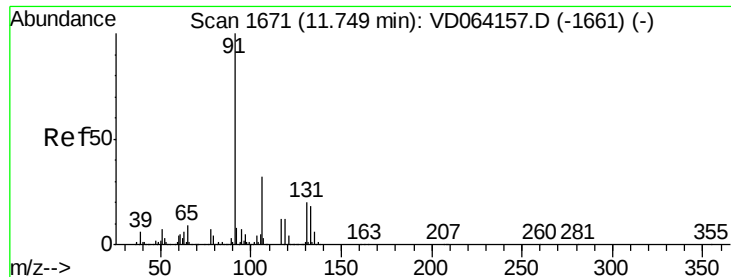
MMDadoda
11/23/2019 6:11:35 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.608 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.5	47.3	141.9
119	63.2	31.1	93.3





#67

Ethyl Benzene

Concen: 21.026 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleID :

VD1121SBS01

Tot Ion: 91 Resp: 597456

Ion Ratio Lower Upper

91 100

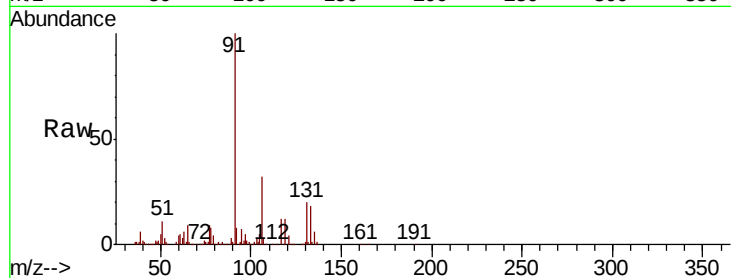
106 31.6 25.5 38.3

Manual Integrations

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MMDadoda

11/23/2019 6:11:35 AM



Abundance Ion 91.00 (90.70 to 91.70): VD064157.D (-1661) (-)

Ion 106.00 (105.70 to 106.70): VD064157.D (-1661) (-)

500000

400000

300000

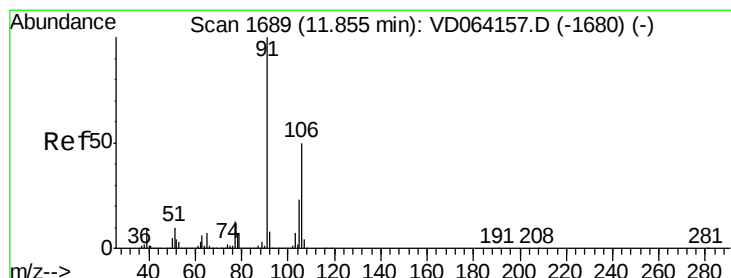
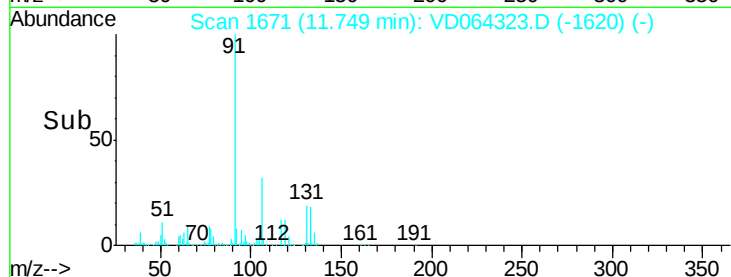
200000

100000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 42.420 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064323.D

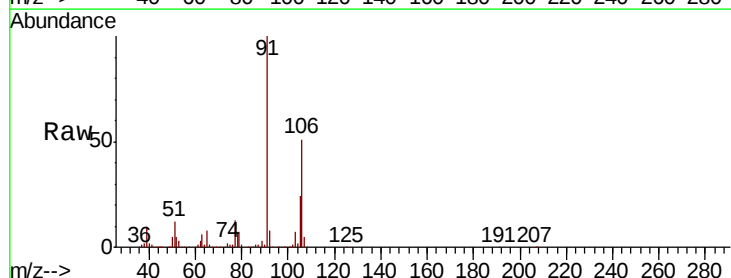
Acq: 21 Nov 2019 14:33

Tgt Ion: 106 Resp: 462020

Ion Ratio Lower Upper

106 100

91 198.2 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): VD064157.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD064157.D (-1680) (-)

500000

400000

300000

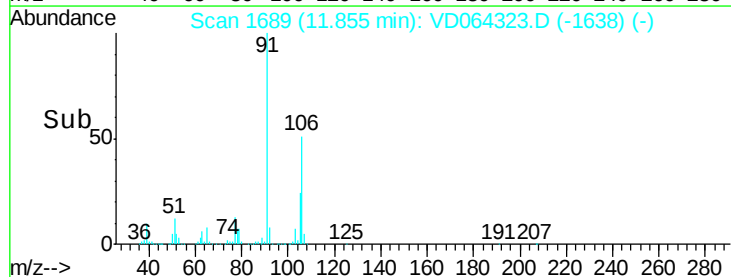
200000

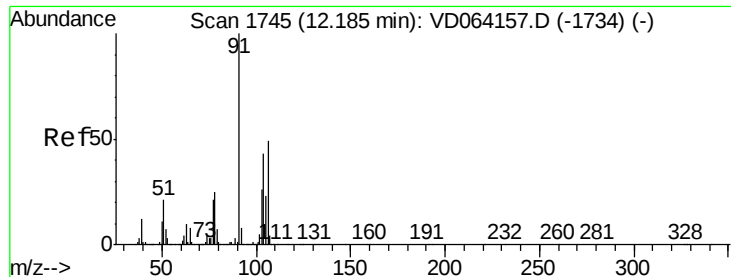
100000

0

11.80 11.86 11.90

Time-->





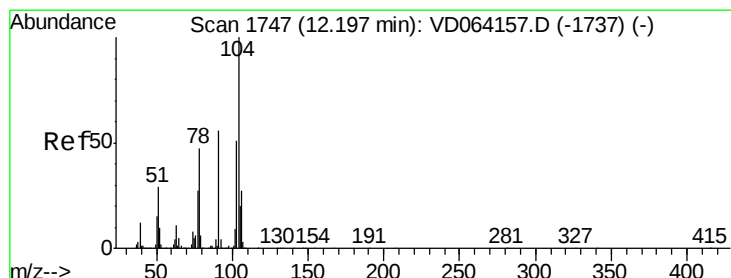
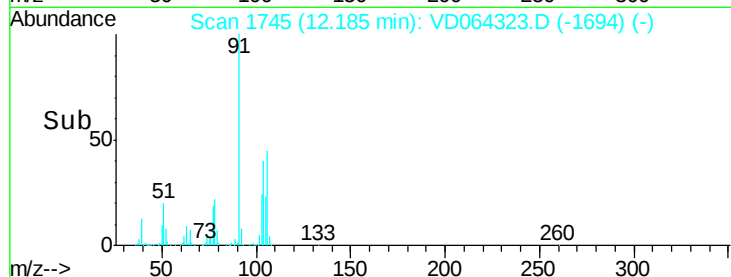
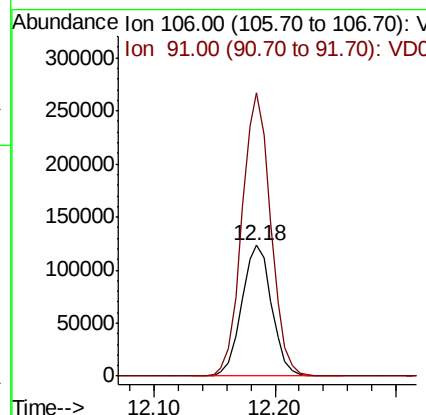
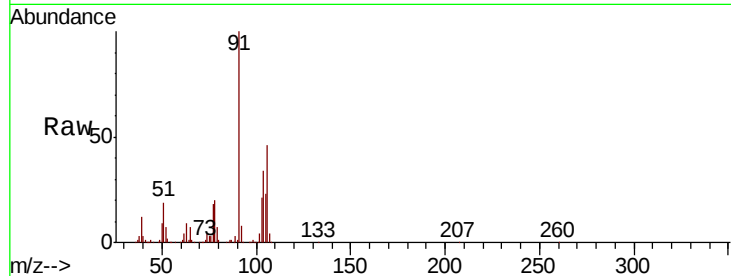
#69
o-Xylene
Concen: 21.076 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	208.4	105.1	315.3

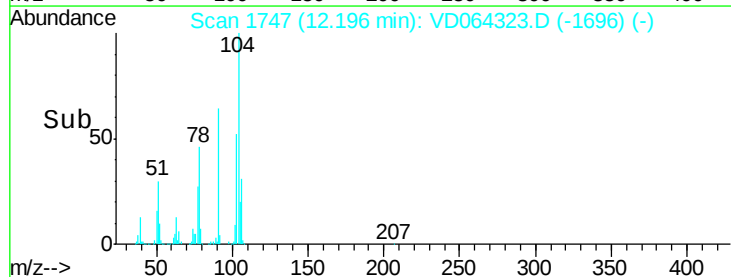
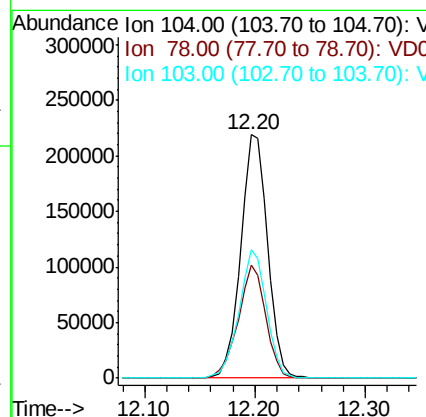
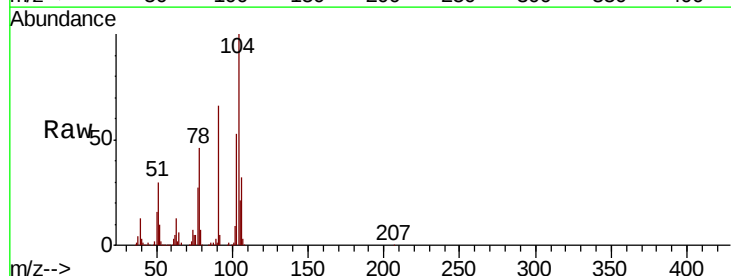
Manual Integrations
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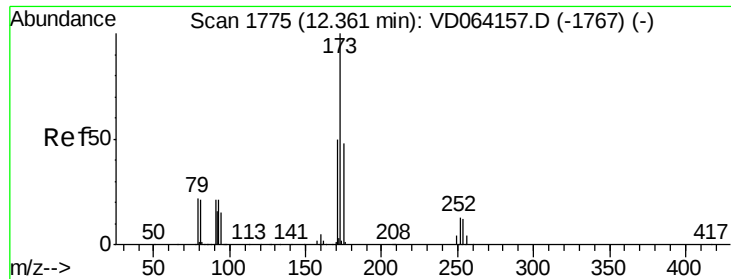
MMDadoda
11/23/2019 6:11:35 AM



#70
Styrene
Concen: 21.274 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.7	39.9	59.9
103	53.9	43.4	65.0





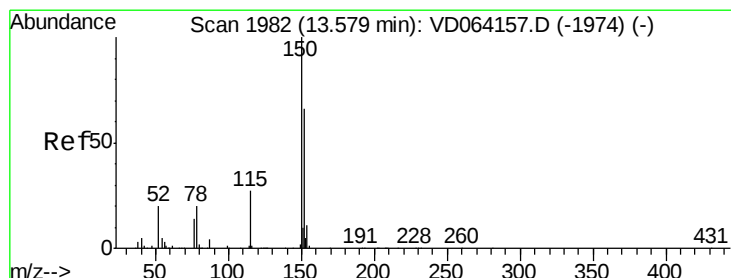
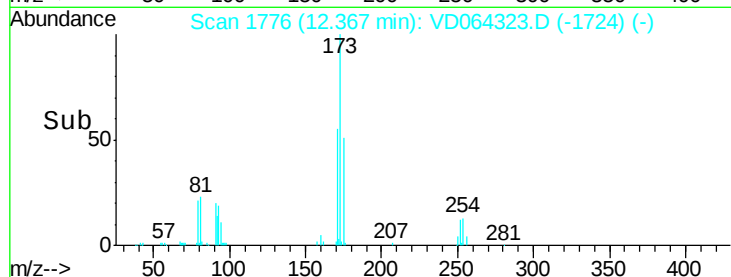
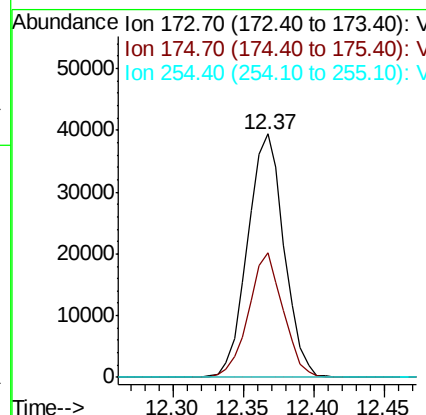
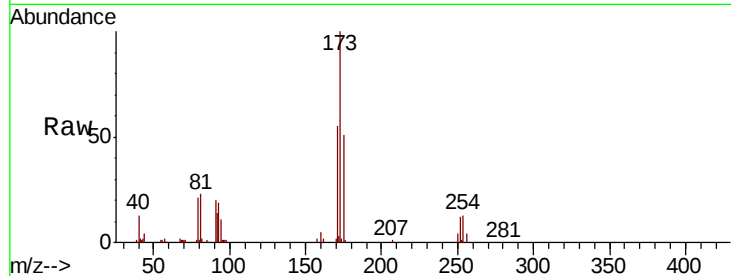
#71
Bromoform
Concen: 20.948 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.6	24.1	72.3
254	0.0	0.2	0.2

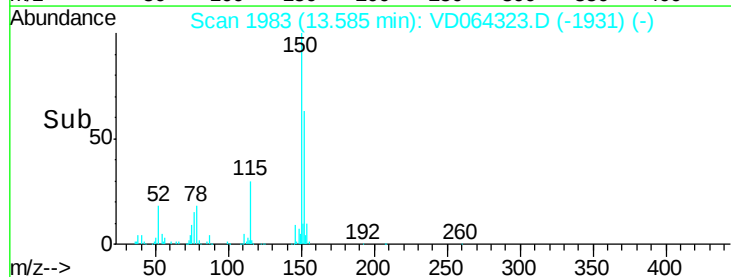
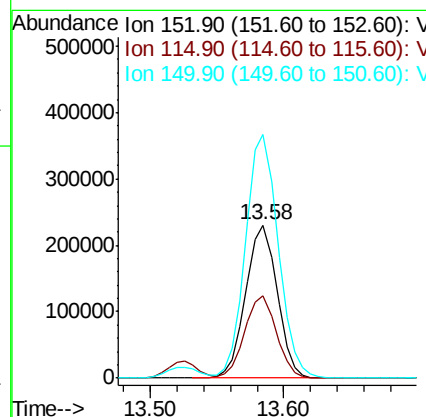
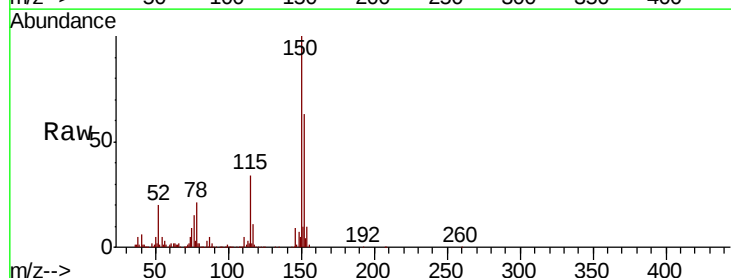
Manual Integrations
APPROVED

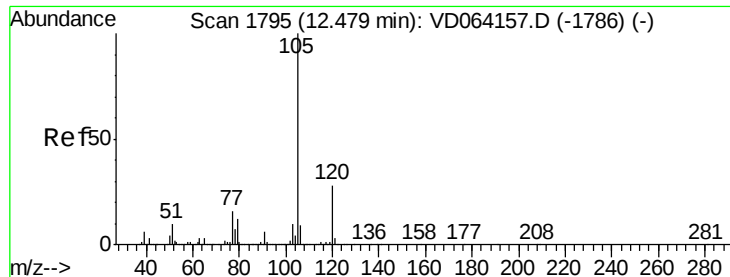
MMDadoda
11/23/2019 6:11:35 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.6	27.4	82.2
150	166.0	0.0	351.6





#73

Isopropylbenzene

Concen: 21.584 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 105 Resp: 594434

Ion Ratio Lower Upper

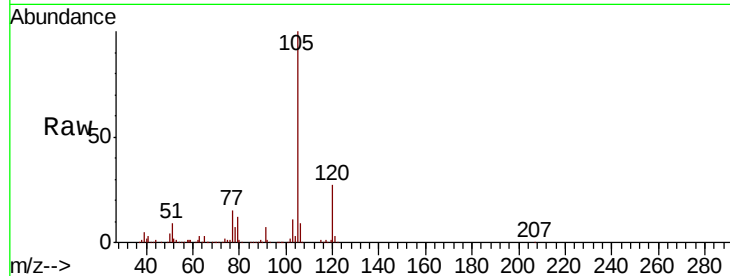
105 100

120 26.3 13.6 40.8

Manual Integrations
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MMDadoda

11/23/2019 6:11:35 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

400000

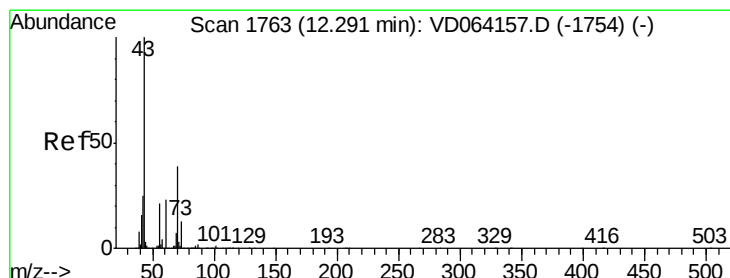
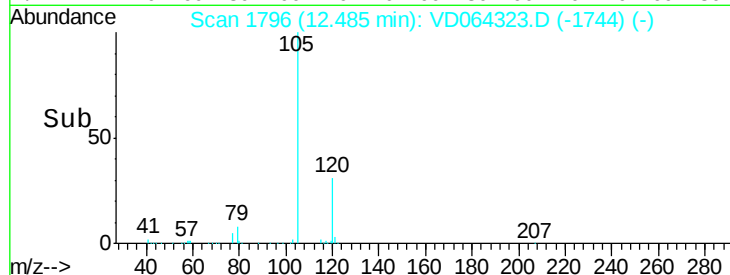
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 20.872 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion: 43 Resp: 135740

Ion Ratio Lower Upper

43 100

70 40.5 32.4 48.6

55 22.9 17.9 26.9

61 22.6 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

120000

100000

80000

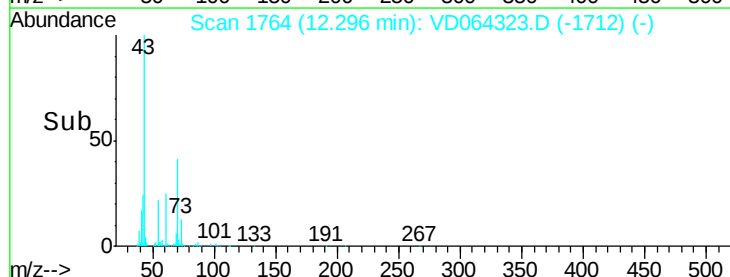
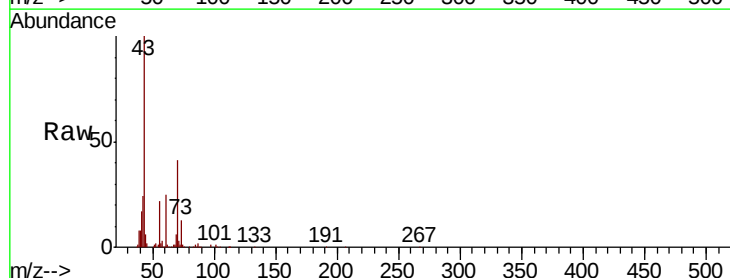
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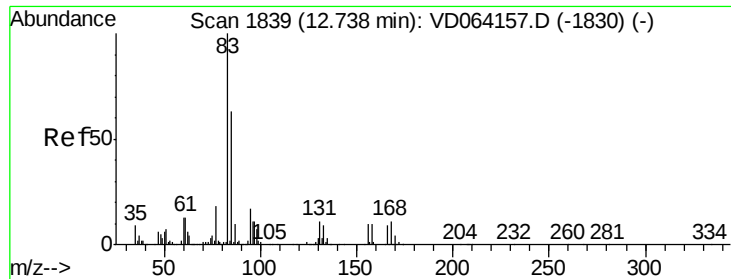
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 22.484 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

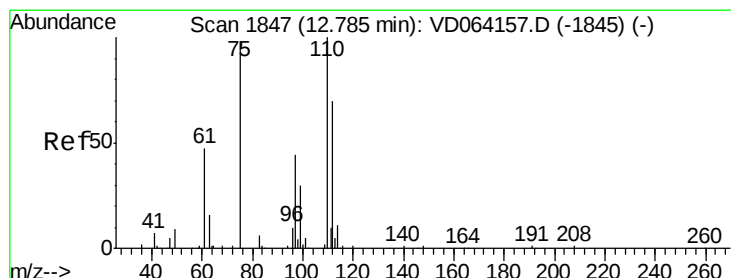
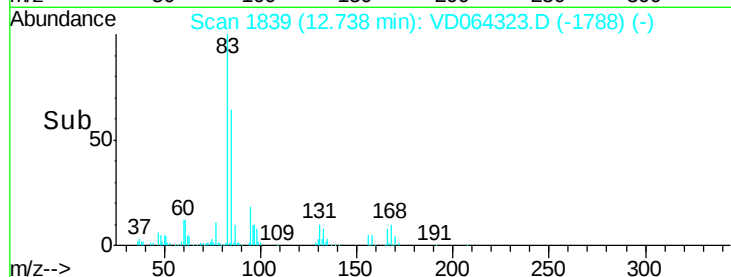
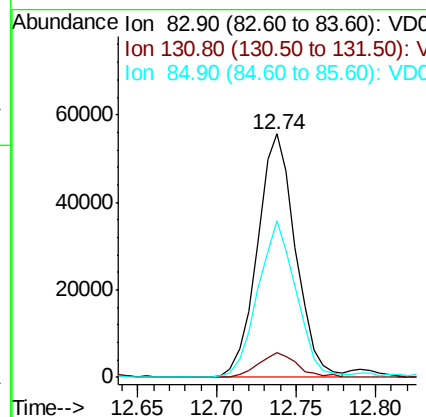
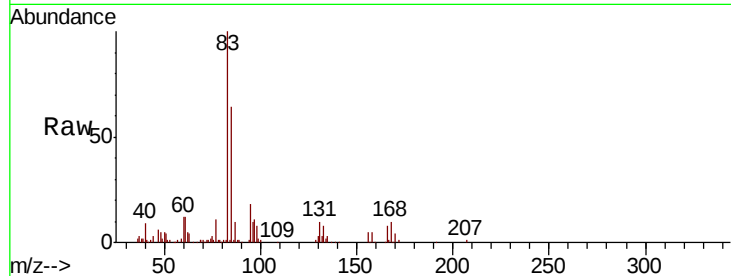
ClientSampleId :

VD1121SBS01

Tot Ion:	83	Resp:	93306
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.9	17.7
85	64.5	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 19.160 ug/l m

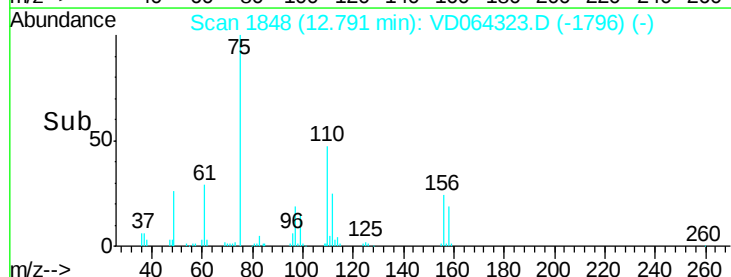
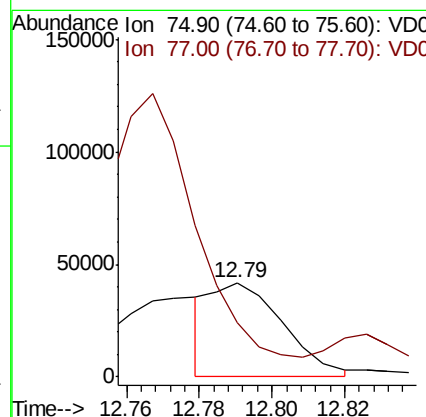
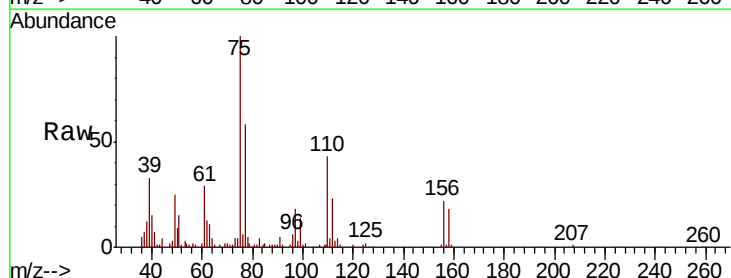
RT: 12.79 min Scan# 1848

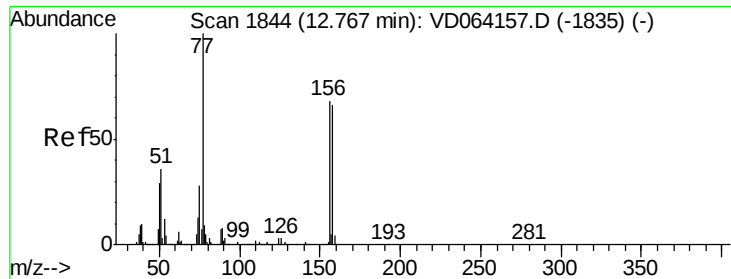
Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	75	Resp:	57907
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.210 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

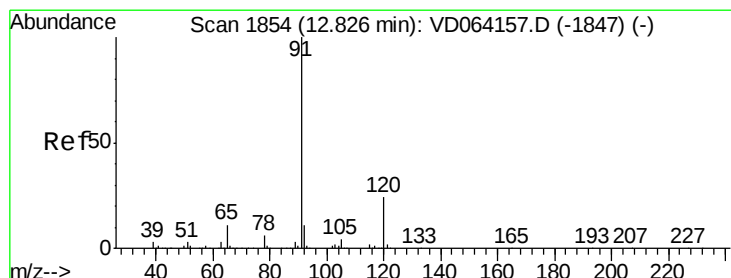
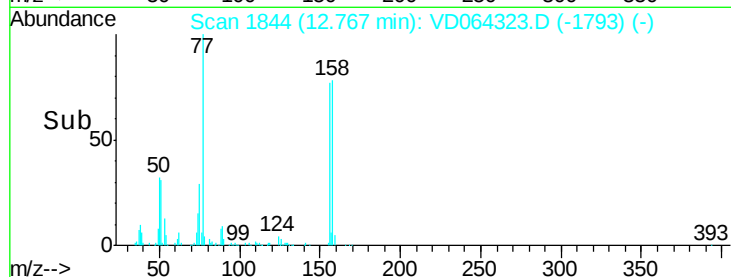
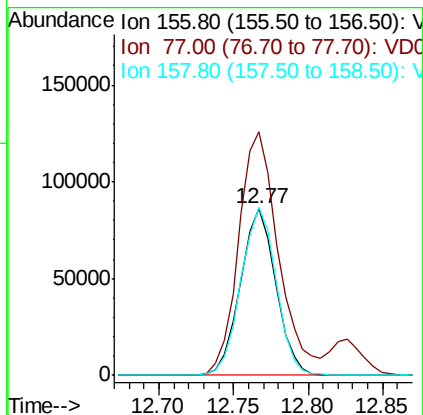
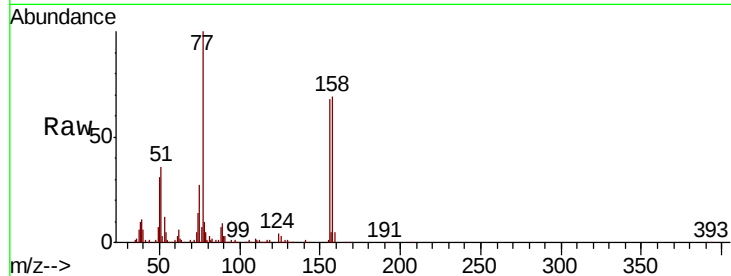
ClientSampleId :

VD1121SBS01

Tot Ion:	156	Resp:	141909
Ion	Ratio	Lower	Upper
156	100		
77	164.6	81.2	243.4
158	99.8	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 21.685 ug/l

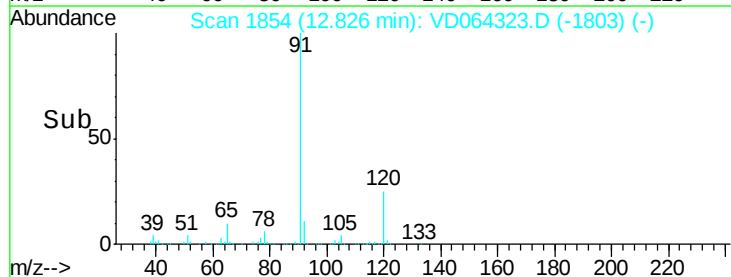
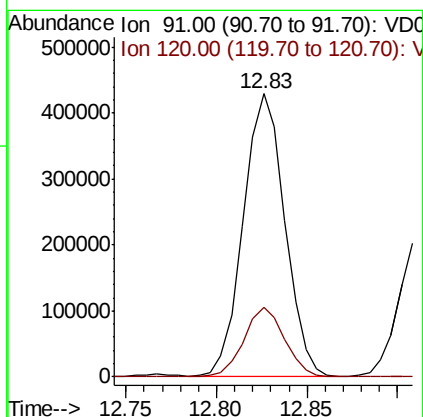
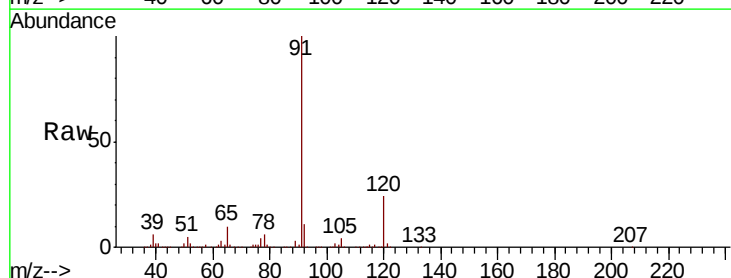
RT: 12.83 min Scan# 1854

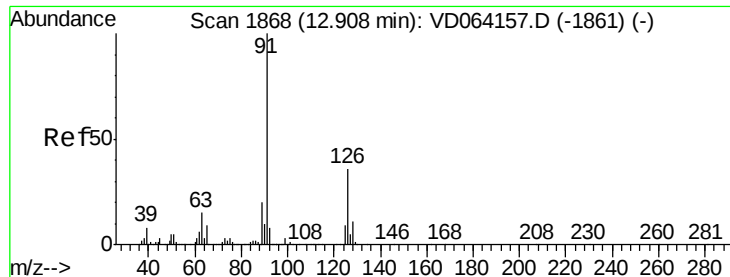
Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	91	Resp:	682318
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 20.951 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

ClientSampleId :

VD1121SBS01

Tot Ion: 91 Resp: 372187

Ion Ratio Lower Upper

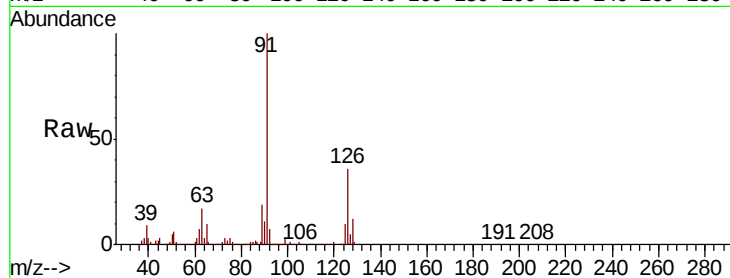
91 100

126 35.7 17.7 53.1

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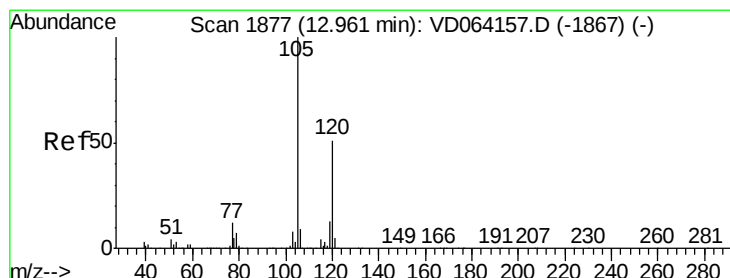
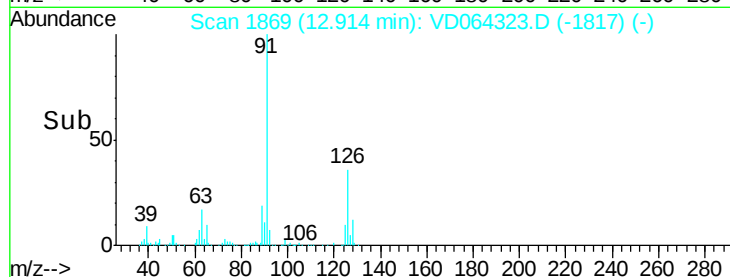
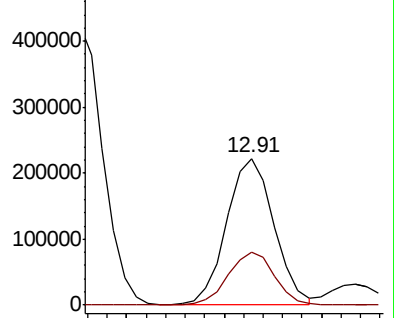
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.262 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064323.D

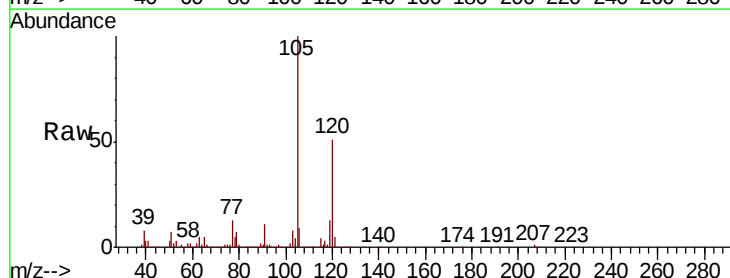
Acq: 21 Nov 2019 14:33

Tgt Ion: 105 Resp: 481164

Ion Ratio Lower Upper

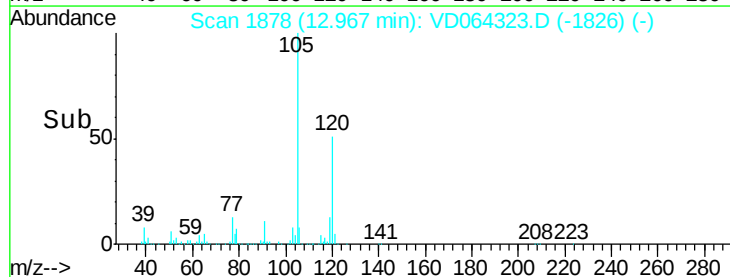
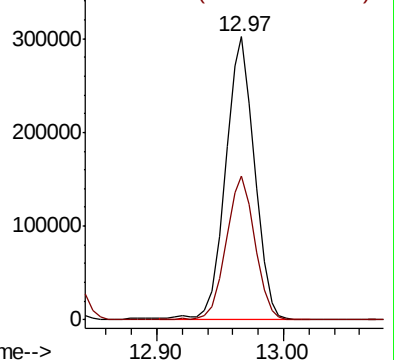
105 100

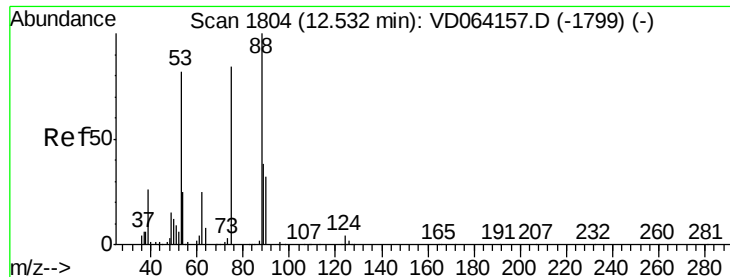
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 20.689 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

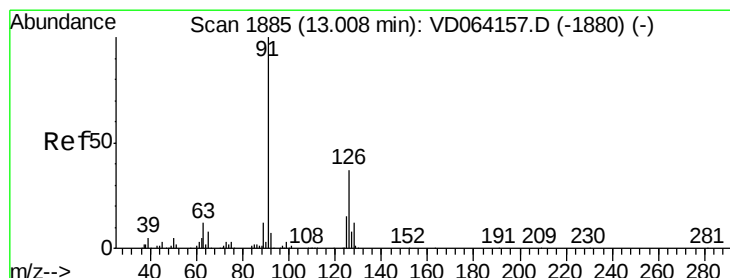
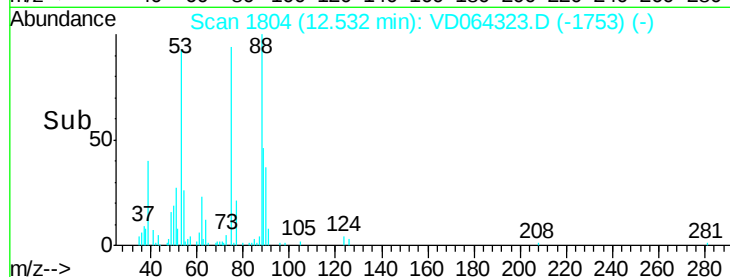
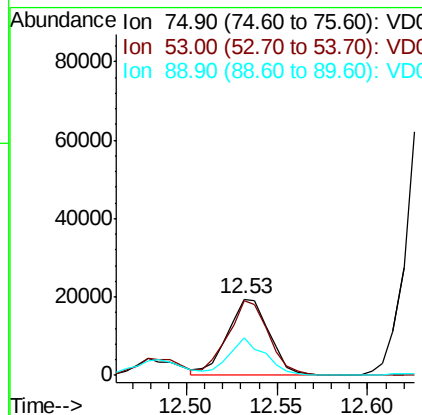
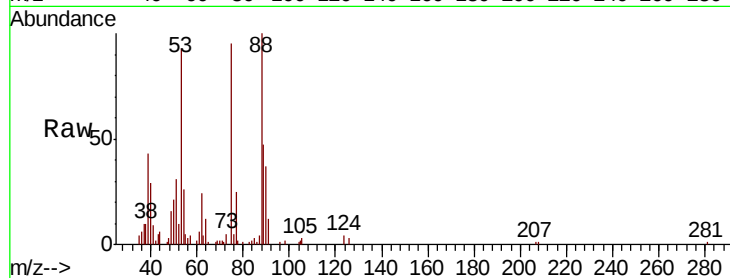
ClientSampleId :

VD1121SBS01

Tot Ion:	75	Resp:	31477
Ion	Ratio	Lower	Upper
75	100		
53	93.6	79.4	119.0
89	42.0	36.6	55.0

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#82

4-Chlorotoluene

Concen: 20.690 ug/l

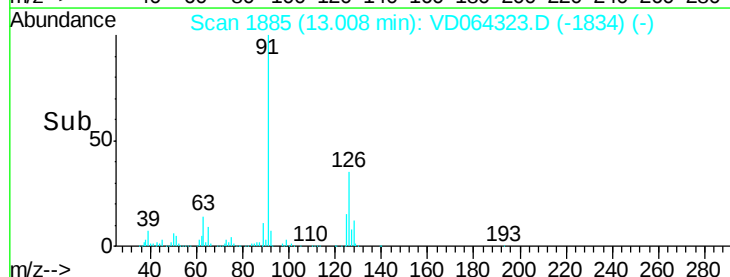
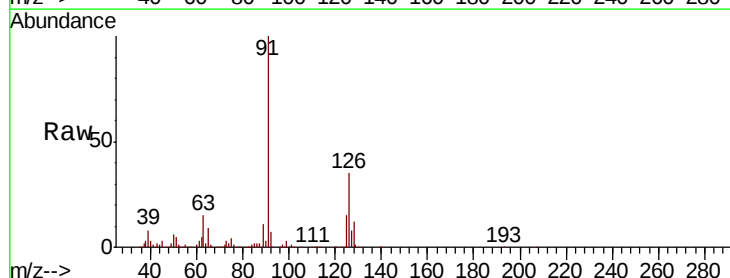
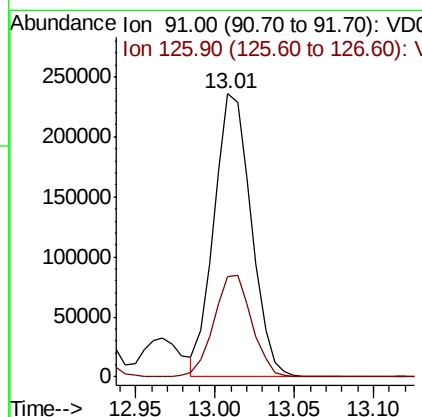
RT: 13.01 min Scan# 1885

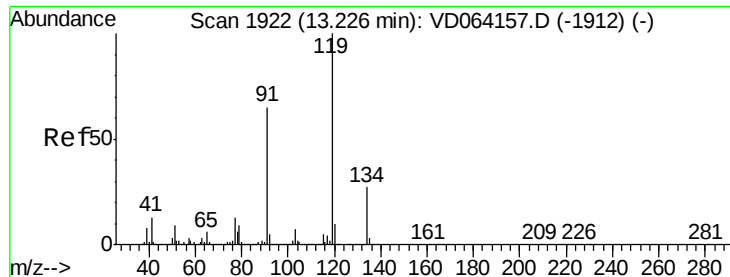
Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	91	Resp:	383361
Ion	Ratio	Lower	Upper
91	100		
126	36.6	17.8	53.4





#83

tert-Butylbenzene

Concen: 21.045 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Instrument :

MSVOA_D

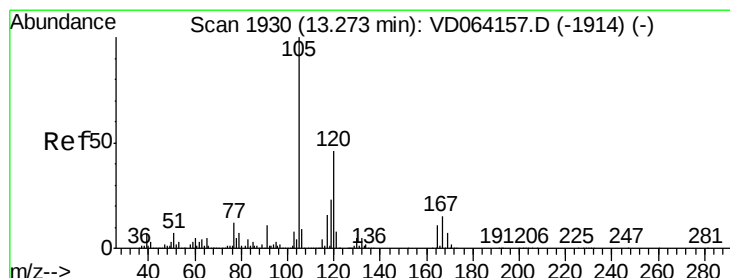
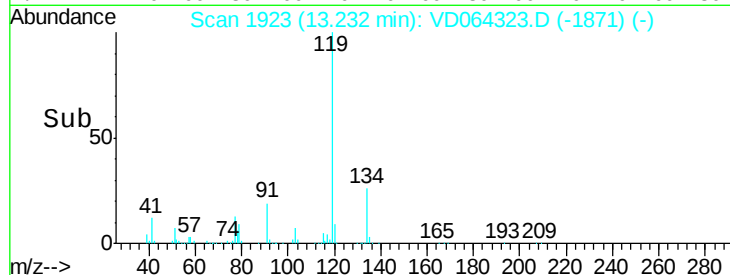
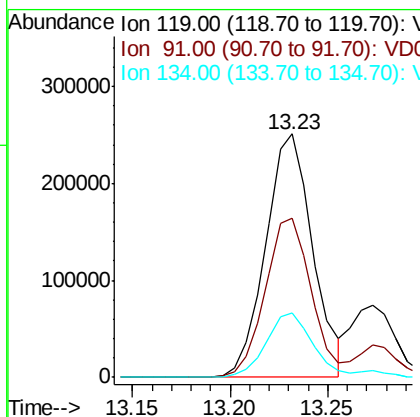
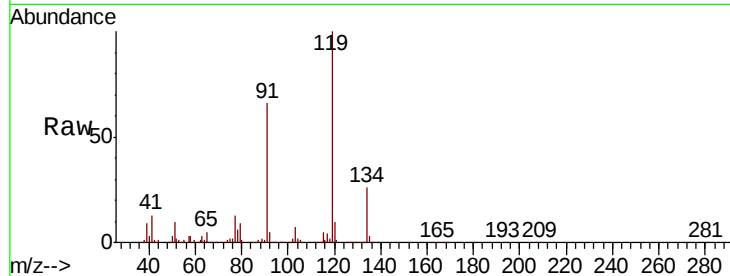
ClientSampleId :

VD1121SBS01

Tot Ion:	119	Resp:	419949
Ion Ratio	Lower	Upper	
119	100		
91	63.9	31.8	95.4
134	26.2	13.7	41.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.765 ug/l

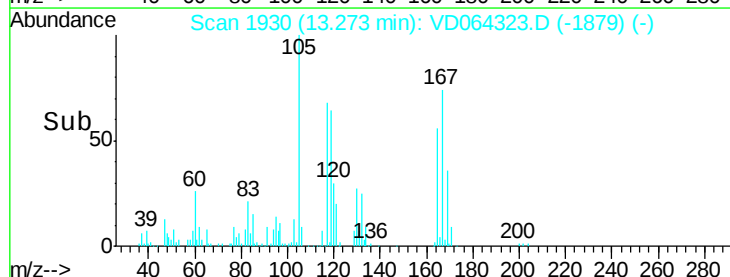
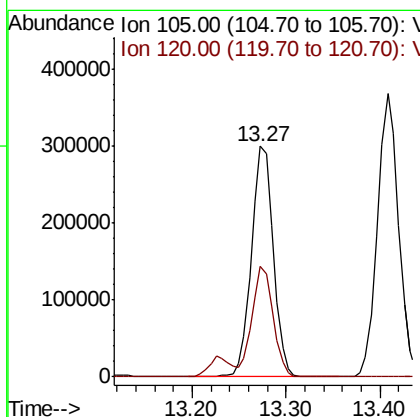
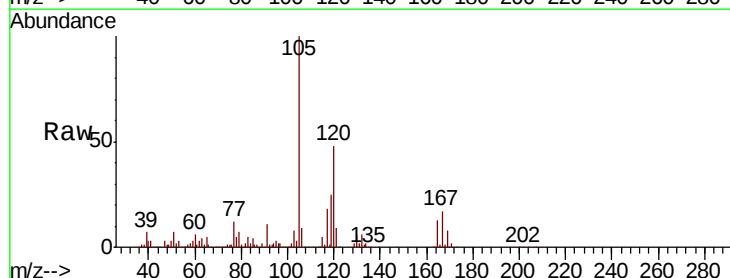
RT: 13.27 min Scan# 1930

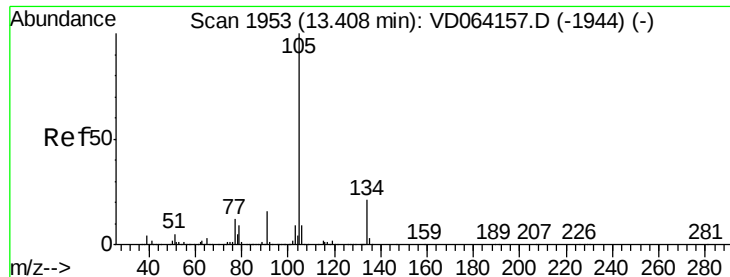
Delta R.T. -0.00 min

Lab File: VD064323.D

Acq: 21 Nov 2019 14:33

Tgt Ion:	105	Resp:	486261
Ion Ratio	Lower	Upper	
105	100		
120	45.9	23.3	69.8





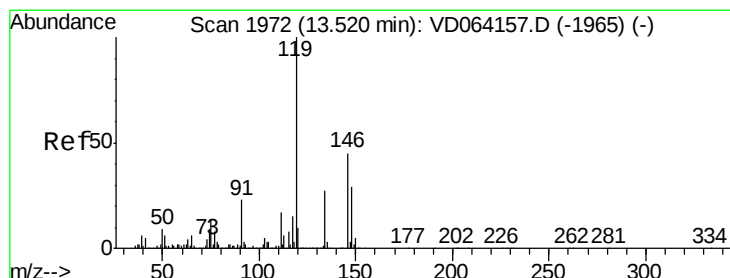
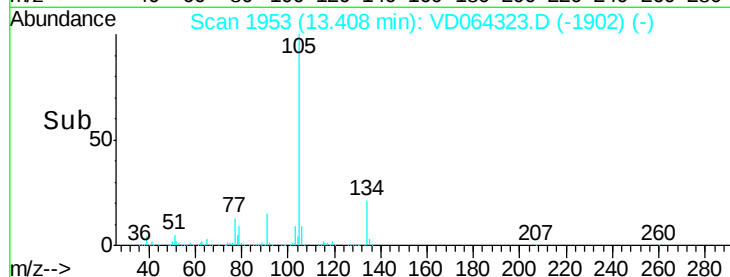
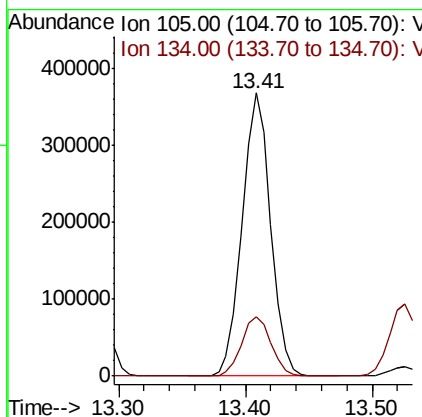
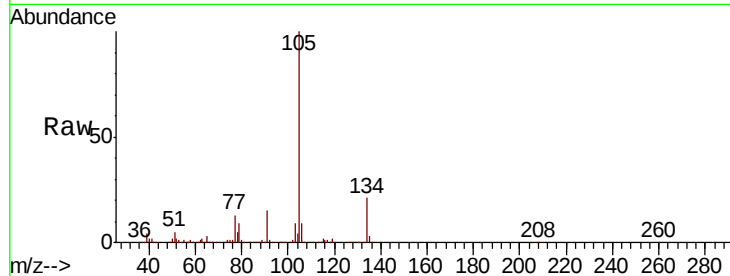
#85
 sec-Butylbenzene
 Concen: 21.328 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.8	10.7	31.9

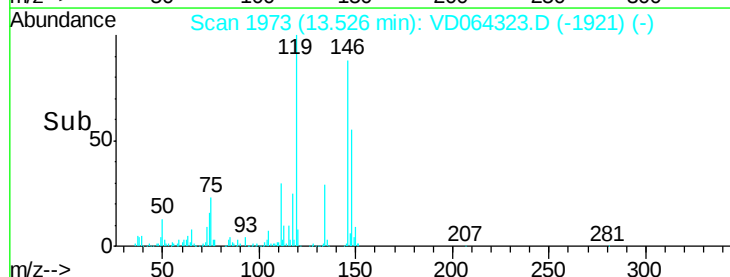
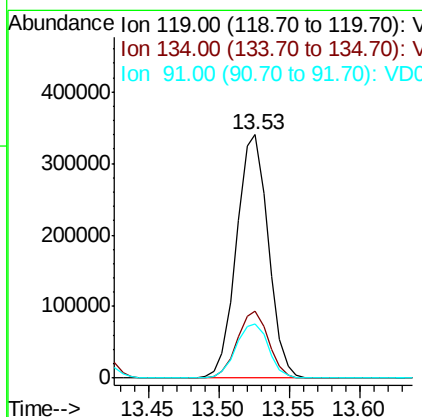
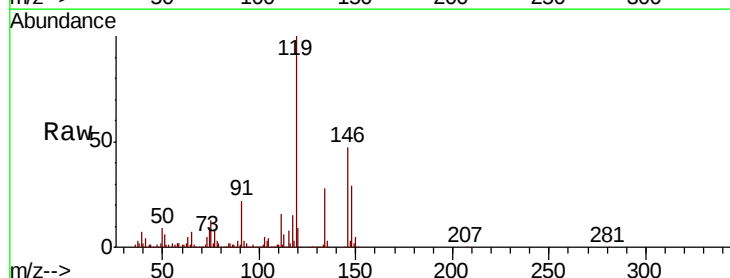
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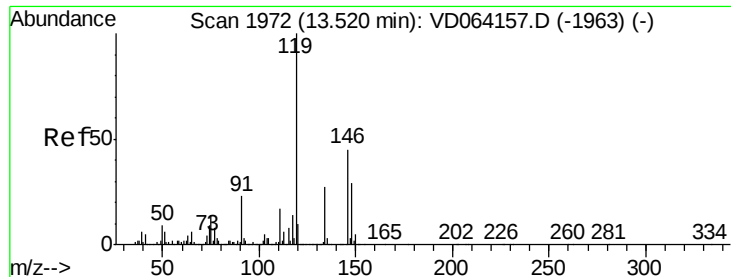
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 11/23/2019 6:11:35 AM



#86
 p-Isopropyltoluene
 Concen: 20.919 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.5	40.5
91	23.0	11.5	34.4





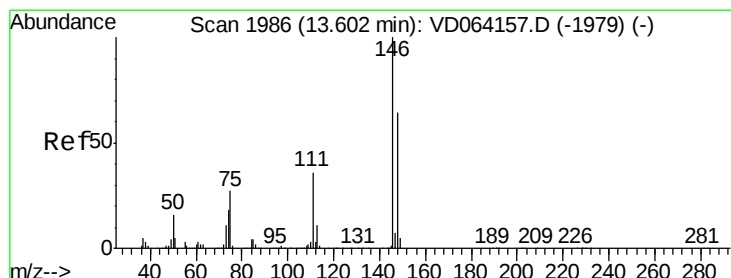
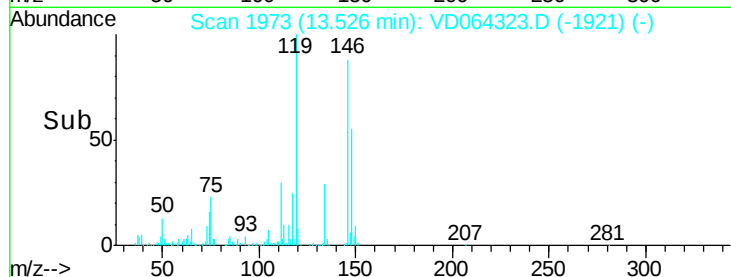
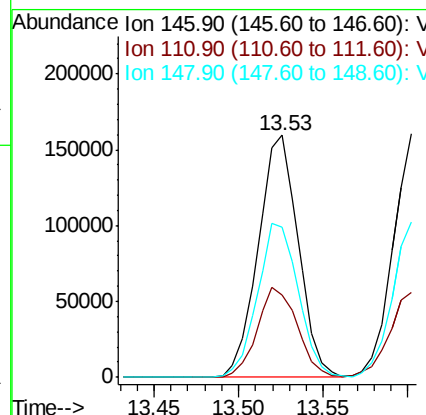
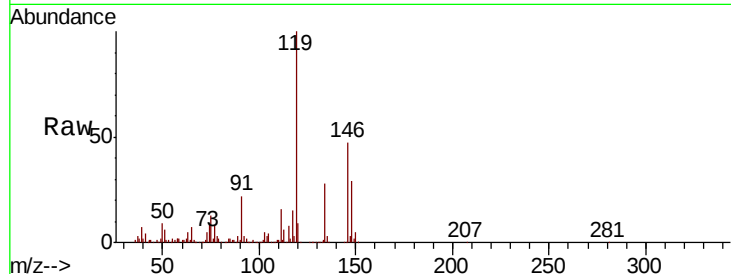
#87
 1,3-Dichlorobenzene
 Concen: 21.142 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.4	18.9	56.9
148	64.9	32.1	96.5

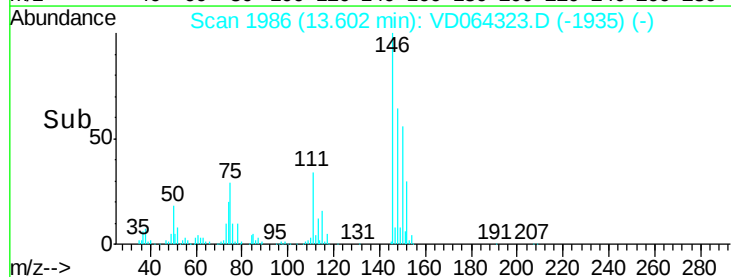
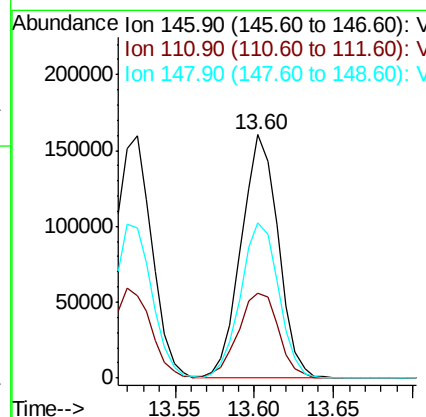
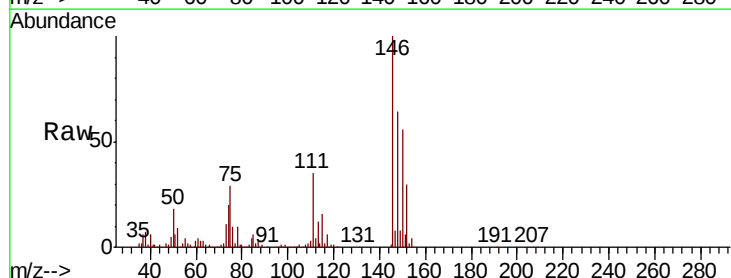
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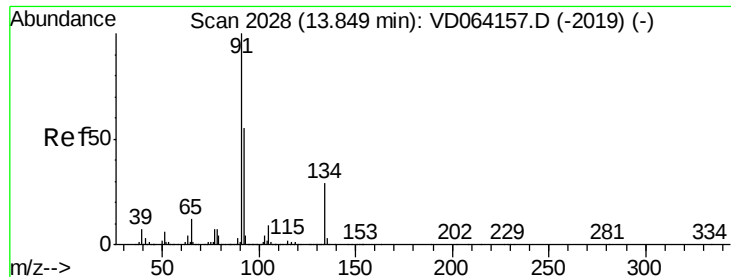
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#88
 1,4-Dichlorobenzene
 Concen: 21.496 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.1	54.4
148	65.7	31.9	95.7





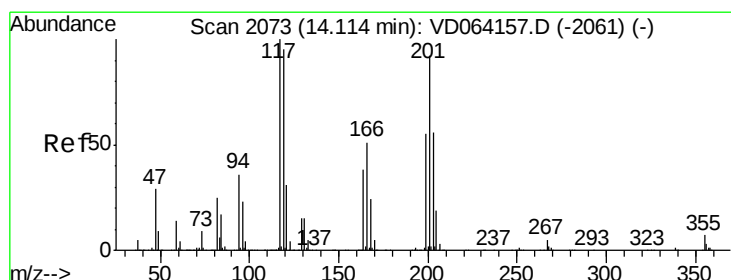
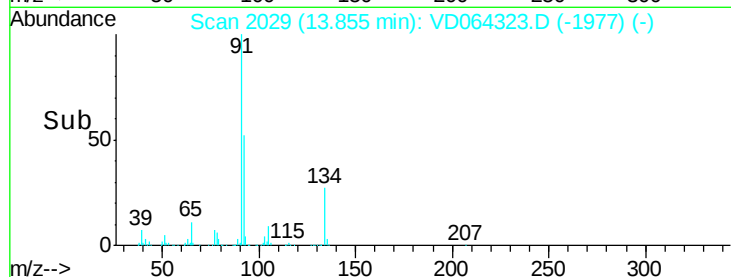
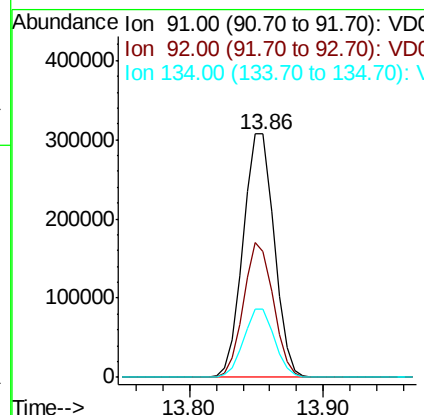
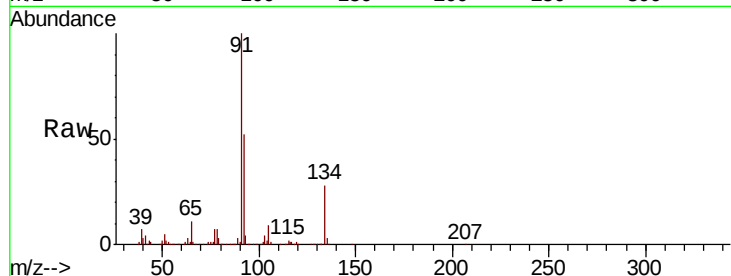
#89
n-Butylbenzene
Concen: 21.463 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.3	81.8
134	27.8	14.1	42.4

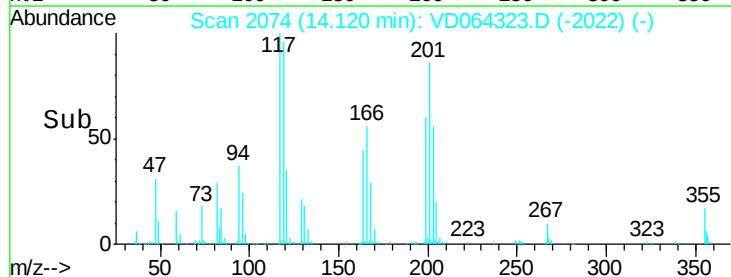
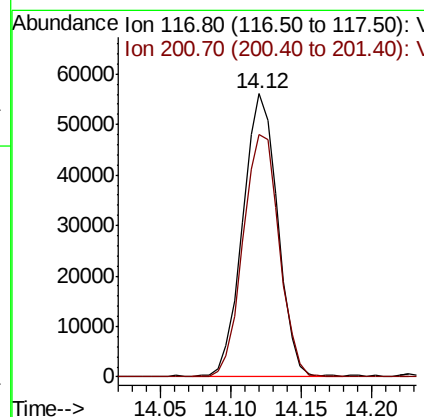
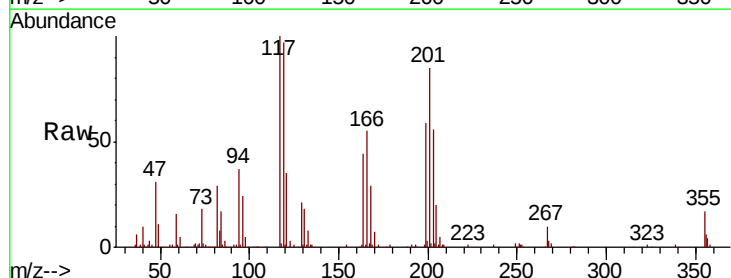
Manual Integrations
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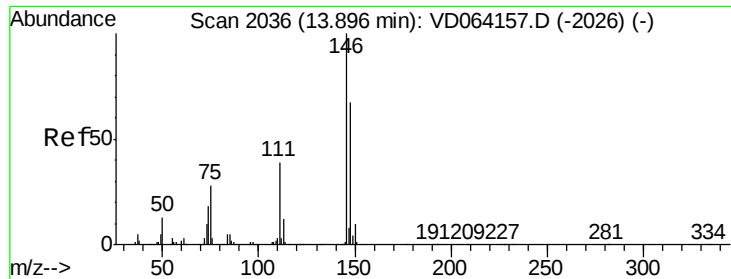
MMDadoda
11/23/2019 6:11:35 AM



#90
Hexachloroethane
Concen: 20.637 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.5	45.8	137.4





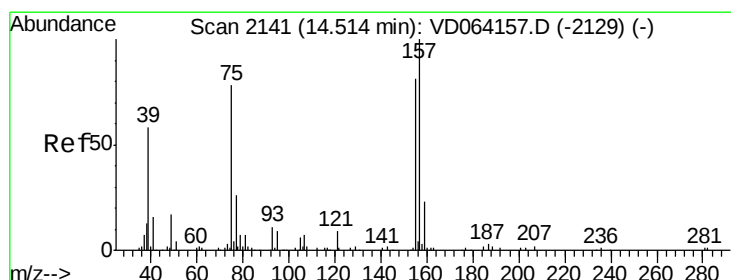
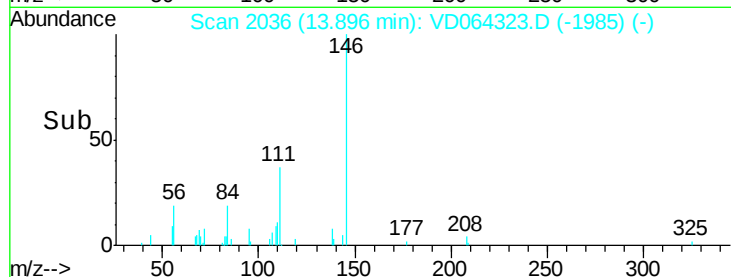
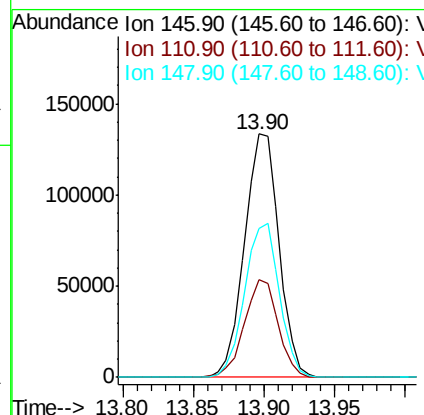
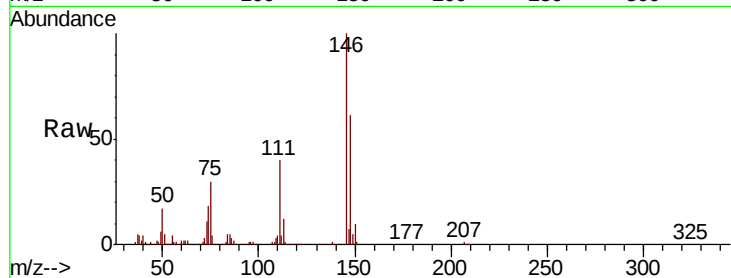
#91
 1,2-Dichlorobenzene
 Concen: 21.758 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	63.9	32.3	96.8

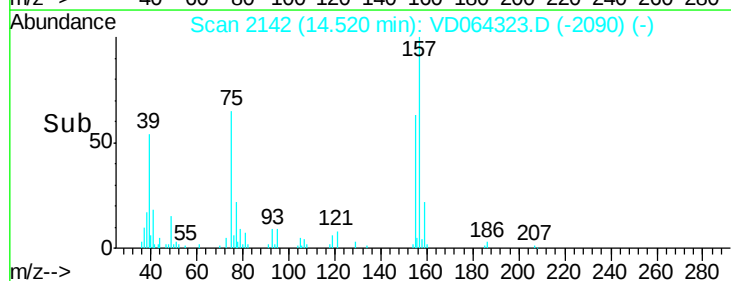
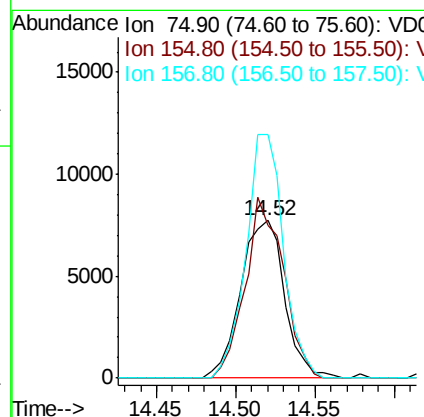
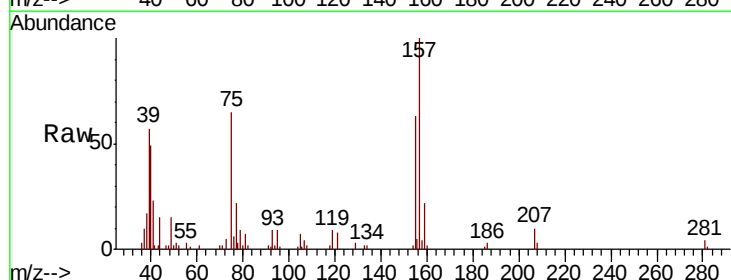
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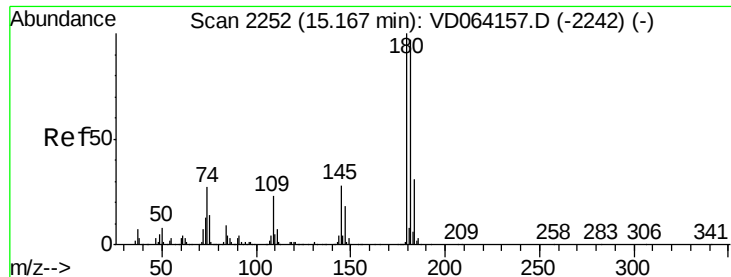
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.971 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.3	48.0	144.0
157	132.4	61.5	184.4





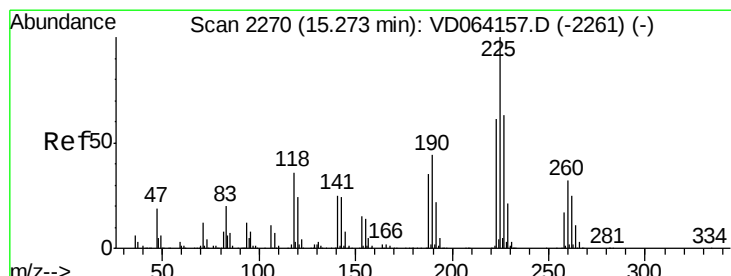
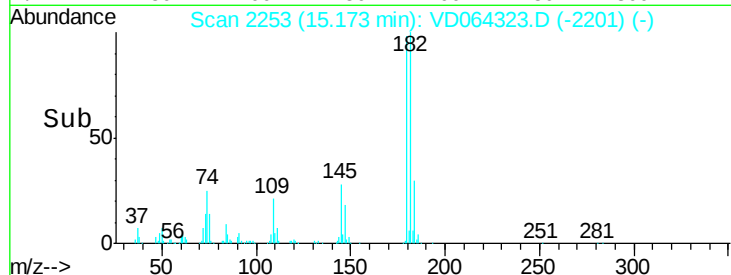
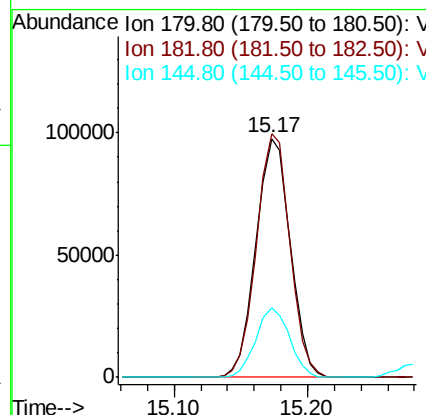
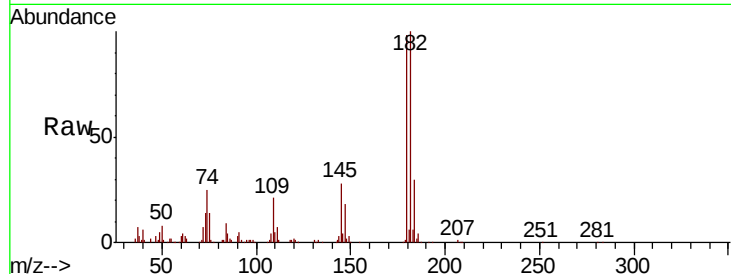
#93
 1,2,4-Trichlorobenzene
 Concen: 21.370 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1121SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	99.2	47.5	142.5	
145	28.8	14.2	42.6	

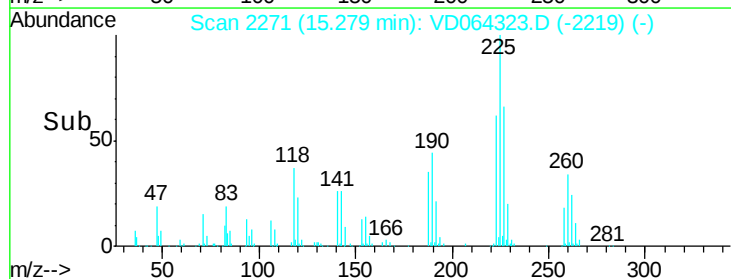
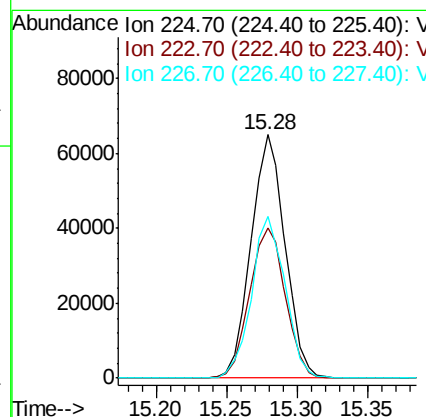
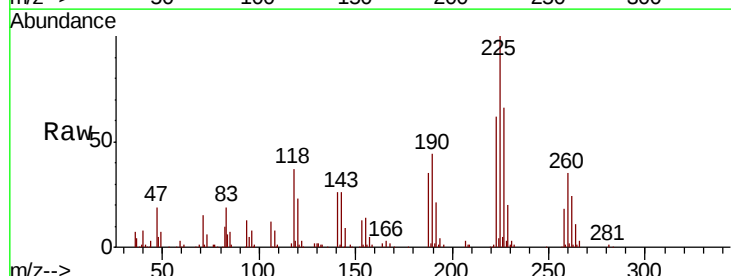
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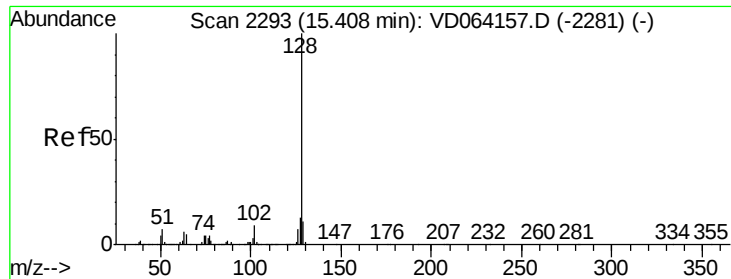
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#94
 Hexachlorobutadiene
 Concen: 21.052 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064323.D
 Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	31.1	93.3	
227	65.2	31.5	94.5	





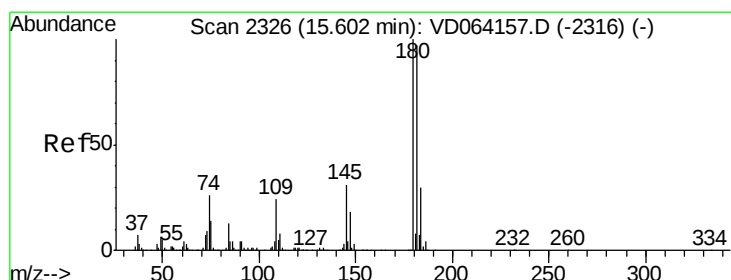
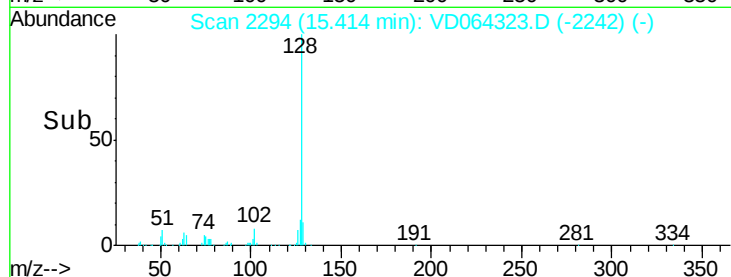
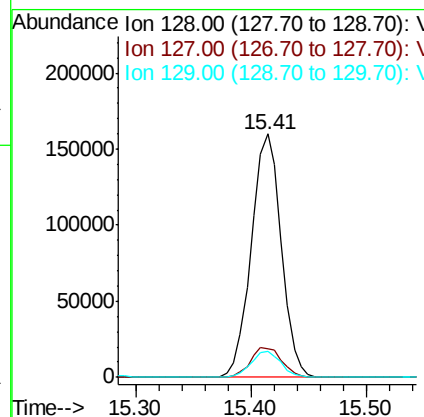
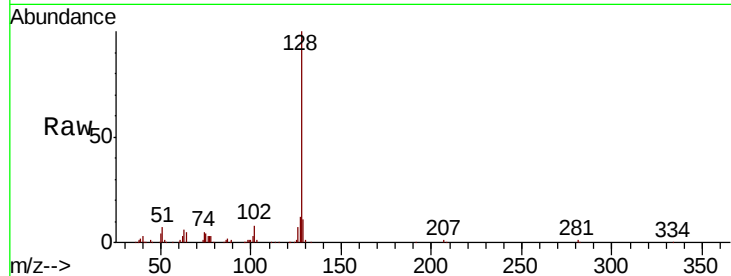
#95
Naphthalene
Concen: 21.736 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Instrument :
MSVOA_D
ClientSampleId :
VD1121SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	288941		
127	13.1	10.5	15.7	
129	10.8	8.6	13.0	

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#96
1,2,3-Trichlorobenzene
Concen: 21.344 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064323.D
Acq: 21 Nov 2019 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	147129		
182	98.2	48.3	144.9	
145	29.9	15.3	45.8	

