

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112019\
 Data File : VD064308.D
 Acq On : 20 Nov 2019 12:41
 Operator : VA/SY
 Sample : VD1120SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/22/2019 12:52:15 AM

Quant Time: Nov 20 13:13:39 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	580154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	831453	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	730170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	355150	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	228050	47.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.58%	
35) Dibromofluoromethane	7.92	113	236092	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	10.34	98	880789	48.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.84%	
62) 4-Bromofluorobenzene	12.64	95	286205	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	89456	18.592	ug/l	96
3) Chloromethane	2.21	50	111206	21.547	ug/l	99
4) Vinyl Chloride	2.35	62	128961	23.366	ug/l	100
5) Bromomethane	2.76	94	94914m	27.234	ug/l	
6) Chloroethane	2.92	64	92620	26.263	ug/l	100
7) Trichlorofluoromethane	3.27	101	230134	25.719	ug/l	99
8) Diethyl Ether	3.70	74	51411	20.896	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	105593	20.646	ug/l	98
10) Methyl Iodide	4.29	142	103462	19.033	ug/l	99
11) Tert butyl alcohol	5.26	59	31574	94.742	ug/l	95
12) 1,1-Dichloroethene	4.06	96	98057	20.115	ug/l	94
13) Acrolein	3.93	56	20548	72.883	ug/l	97
14) Allyl chloride	4.71	41	158665	18.408	ug/l	93
15) Acrylonitrile	5.43	53	114722	109.375	ug/l	98
16) Acetone	4.17	43	96102	85.019	ug/l	95
17) Carbon Disulfide	4.40	76	289273	19.054	ug/l	97
18) Methyl Acetate	4.73	43	63571	20.136	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	233372	20.053	ug/l	91
20) Methylene Chloride	4.96	84	117674	20.609	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	111286	20.149	ug/l	95
22) Diisopropyl ether	6.37	45	311426	19.473	ug/l	99
23) Vinyl Acetate	6.31	43	912790	102.393	ug/l	98
24) 1,1-Dichloroethane	6.26	63	187426	20.184	ug/l	97
25) 2-Butanone	7.23	43	139728	95.681	ug/l	93
26) 2,2-Dichloropropane	7.20	77	169942	18.662	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124733	21.059	ug/l	94
28) Bromochloromethane	7.55	49	54662	16.909	ug/l	97
29) Tetrahydrofuran	7.57	42	89373	101.860	ug/l	96
30) Chloroform	7.71	83	203098	21.383	ug/l	97
31) Cyclohexane	7.99	56	178245	19.034	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	182255	20.039	ug/l	99
36) 1,1-Dichloropropene	8.11	75	152221	19.837	ug/l	99
37) Ethyl Acetate	7.30	43	65276	20.178	ug/l	97
38) Carbon Tetrachloride	8.10	117	165769	20.189	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186983	19.257	ug/l	95
40) Benzene	8.35	78	422843	20.162	ug/l	97
41) Methacrylonitrile	7.53	41	40670	20.002	ug/l	93
42) 1,2-Dichloroethane	8.43	62	128030	20.326	ug/l	97
43) Isopropyl Acetate	8.46	43	129279	19.395	ug/l	99
44) Trichloroethene	9.11	130	131190	20.842	ug/l	98
45) 1,2-Dichloropropane	9.39	63	104592	20.490	ug/l	97
46) Dibromomethane	9.48	93	56904	20.823	ug/l	99
47) Bromodichloromethane	9.67	83	151566	20.590	ug/l	100
48) Methyl methacrylate	9.46	41	59702	18.318	ug/l	89
49) 1,4-Dioxane	9.47	88	14362	437.595	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	319781	100.045	ug/l	98
52) Toluene	10.41	92	281039	20.379	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	145113	19.678	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	170878	19.857	ug/l	94
55) 1,1,2-Trichloroethane	10.81	97	81807	22.067	ug/l	97
56) Ethyl methacrylate	10.67	69	102543	19.774	ug/l	96
57) 1,3-Dichloropropane	10.95	76	136602	21.128	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	220989	105.200	ug/l	100
59) 2-Hexanone	10.99	43	219712	96.618	ug/l	96
60) Dibromochloromethane	11.14	129	107455	20.773	ug/l	100
61) 1,2-Dibromoethane	11.26	107	78507	21.143	ug/l	99
64) Tetrachloroethene	10.88	164	111482	19.852	ug/l	98
65) Chlorobenzene	11.67	112	302515	20.374	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	111758	19.795	ug/l	97
67) Ethyl Benzene	11.75	91	535278	19.930	ug/l	98
68) m/p-Xylenes	11.86	106	412150	40.036	ug/l	97
69) o-Xylene	12.18	106	192808	20.194	ug/l	96
70) Styrene	12.20	104	327516	19.652	ug/l	99
71) Bromoform	12.37	173	67125	20.891	ug/l #	98
73) Isopropylbenzene	12.48	105	527315	20.228	ug/l	100
74) N-amyl acetate	12.30	43	115782	18.808	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	84427	21.494	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	69568m	24.319	ug/l	
77) Bromobenzene	12.77	156	128265	20.253	ug/l	99
78) n-propylbenzene	12.83	91	592776	19.903	ug/l	98
79) 2-Chlorotoluene	12.91	91	328171	19.517	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	418921	19.557	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	27207	18.892	ug/l	99
82) 4-Chlorotoluene	13.01	91	342339	19.520	ug/l	98
83) tert-Butylbenzene	13.23	119	375439	19.877	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	417045	19.721	ug/l	100
85) sec-Butylbenzene	13.41	105	508542	20.047	ug/l	99
86) p-Isopropyltoluene	13.53	119	472420	19.589	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	240810	20.484	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	234753	20.460	ug/l	97
89) n-Butylbenzene	13.86	91	426654	19.582	ug/l	100
90) Hexachloroethane	14.12	117	87447	19.620	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	209215	21.026	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14496	20.641	ug/l	99

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ClientSampleId :
VD1120SBSD01

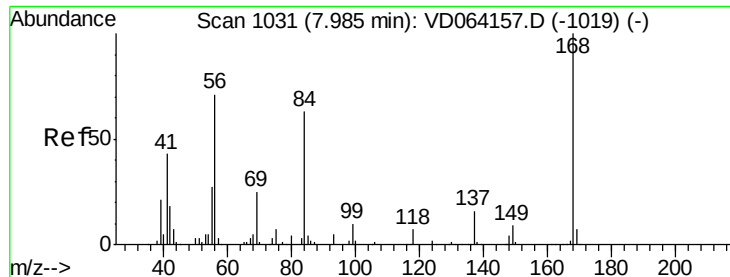
Manual Integrations
APPROVED

MMDadoda
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	150822	19.649	ug/l	96
94) Hexachlorobutadiene	15.28	225	101190	20.410	ug/l	100
95) Naphthalene	15.41	128	264900	21.053	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	134404	20.599	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

Tot Ion:168 Resp: 580154

Ion Ratio Lower Upper

168 100

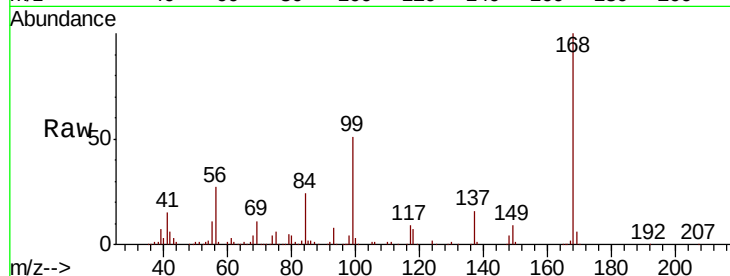
99 51.2 41.6 62.4

Manual Integrations

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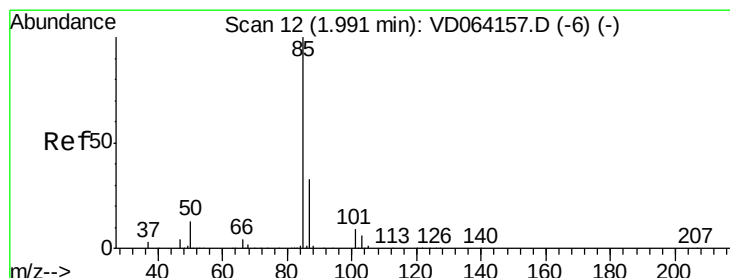
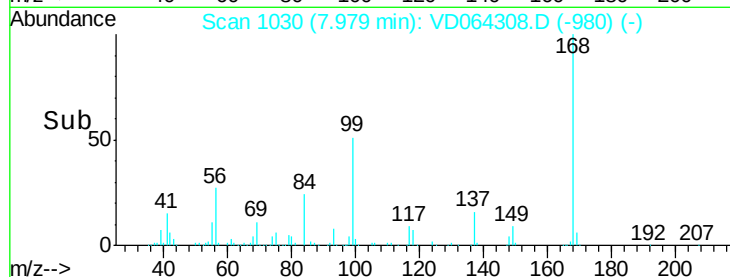
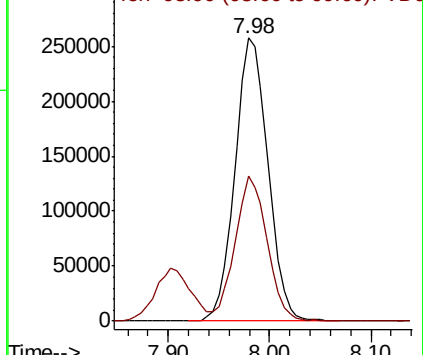
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11/22/2019 12:52:15 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.592 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064308.D

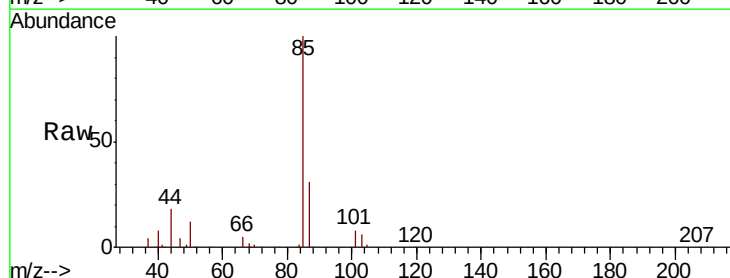
Acq: 20 Nov 2019 12:41

Tgt Ion: 85 Resp: 89456

Ion Ratio Lower Upper

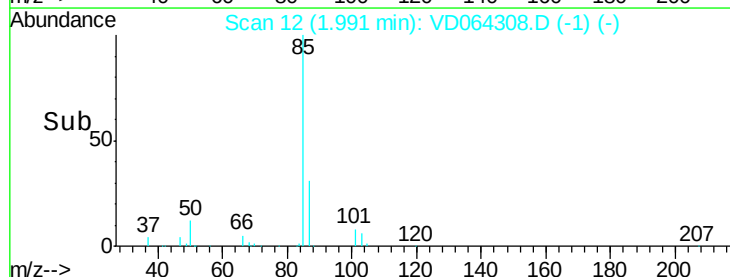
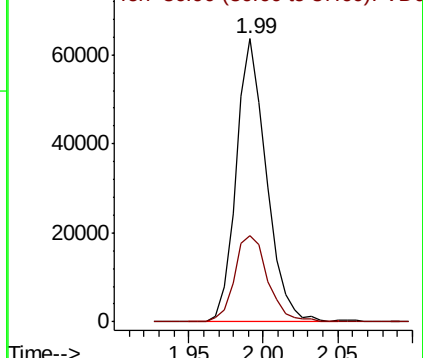
85 100

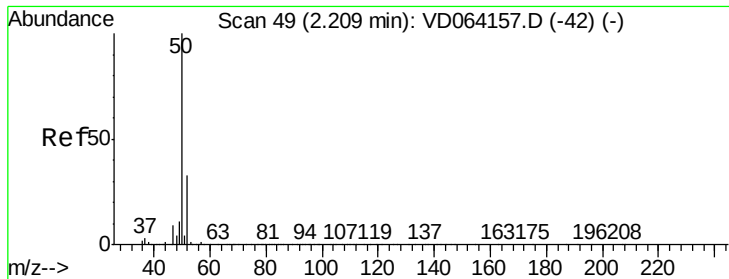
87 30.6 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.547 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 50 Resp: 111206

Ion Ratio Lower Upper

50 100

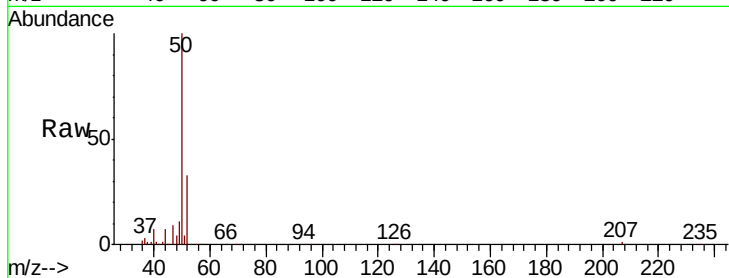
52 33.1 26.2 39.4

Manual Integrations

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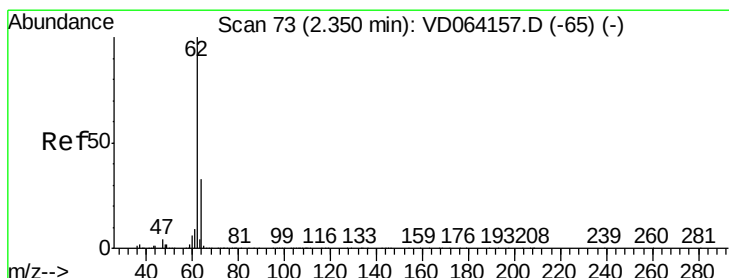
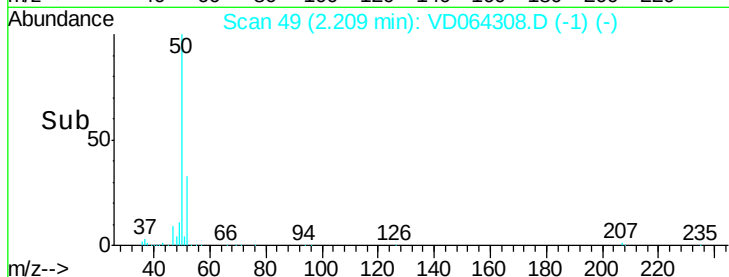
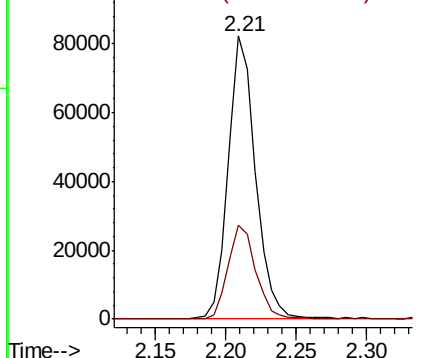
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 23.366 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064308.D

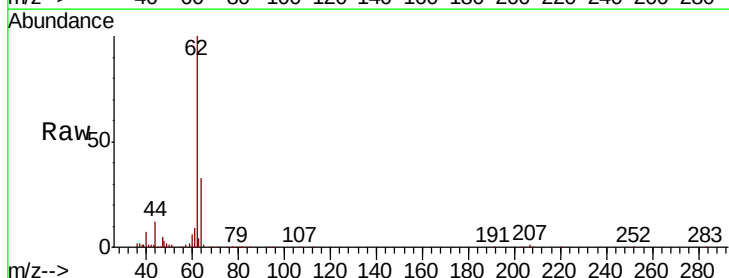
Acq: 20 Nov 2019 12:41

Tgt Ion: 62 Resp: 128961

Ion Ratio Lower Upper

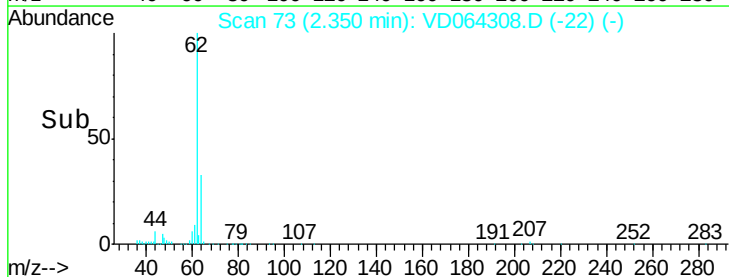
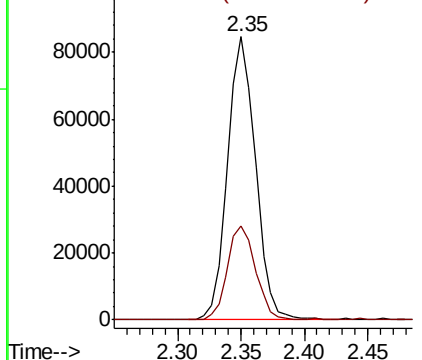
62 100

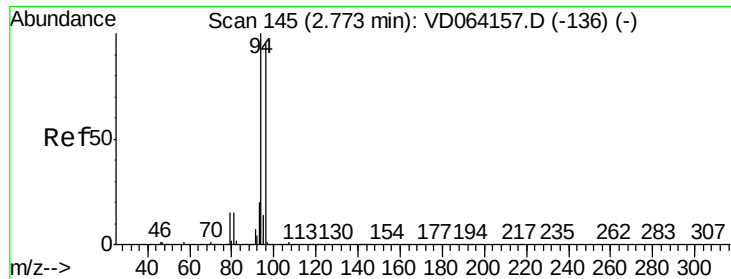
64 33.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 27.234 ug/l m

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBSD01

Tot Ion: 94 Resp: 94914

Ion Ratio Lower Upper

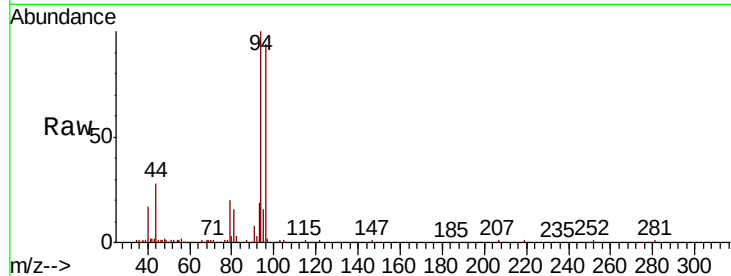
94 100

96 94.2 76.2 114.4

Manual Integrations
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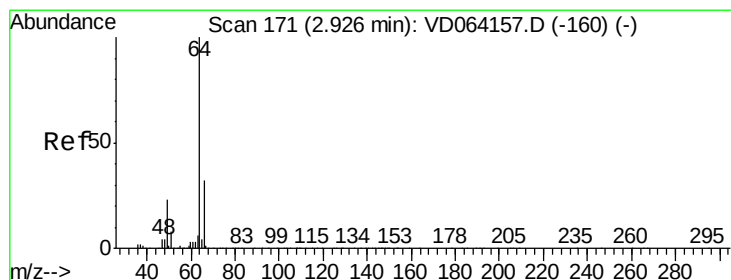
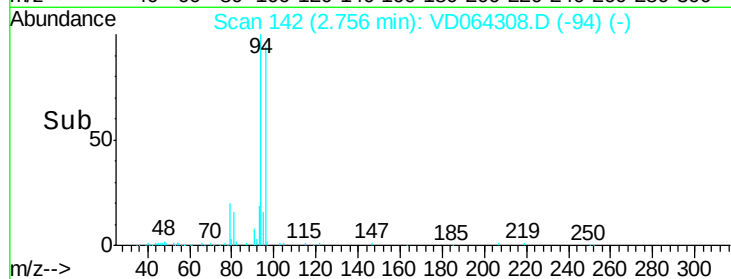
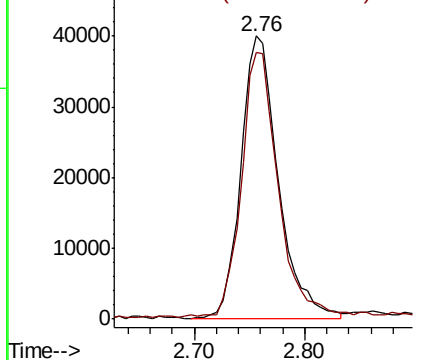
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 26.263 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064308.D

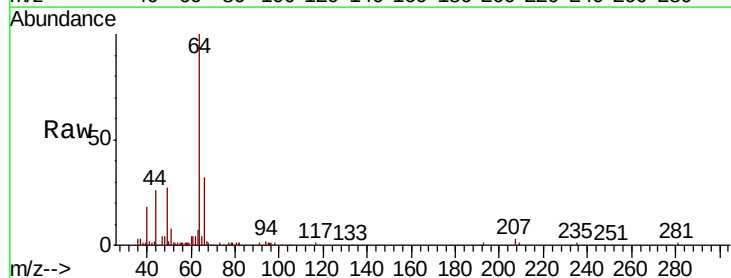
Acq: 20 Nov 2019 12:41

Tgt Ion: 64 Resp: 92620

Ion Ratio Lower Upper

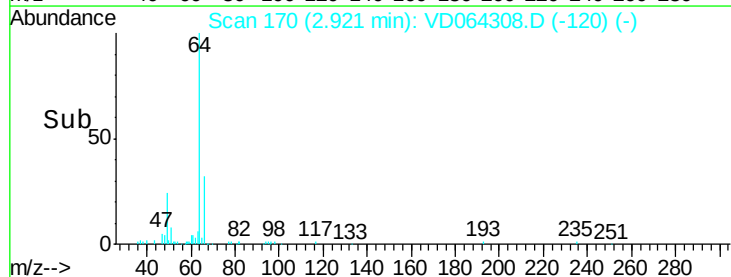
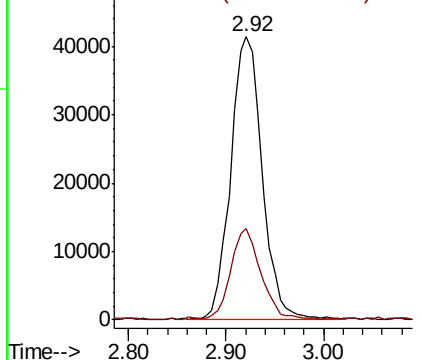
64 100

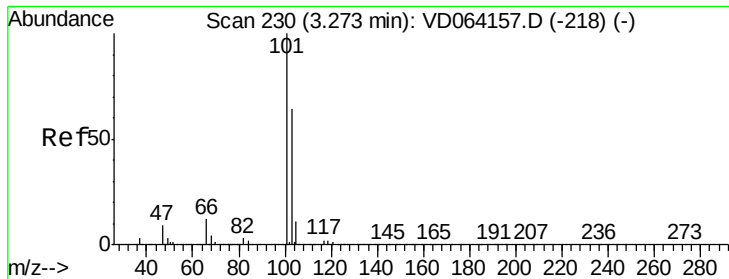
66 31.6 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

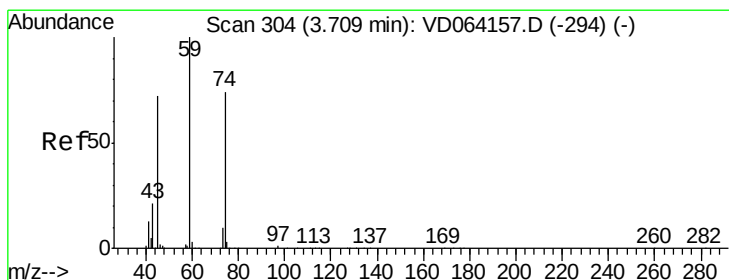
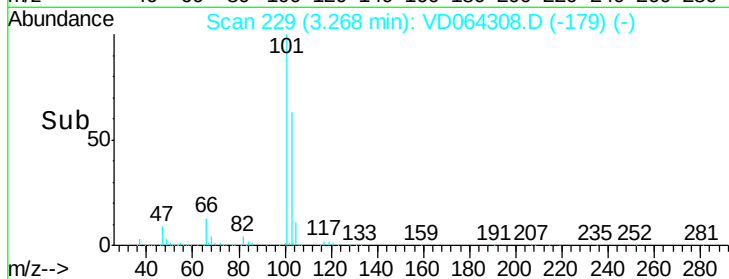
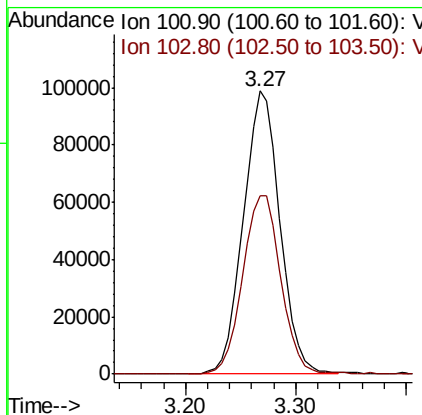
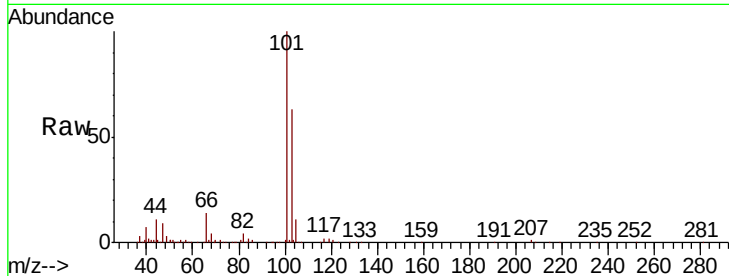
Trichlorofluoromethane
Concen: 25.719 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
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ClientSampleId :
VD1120SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	50.8	76.2

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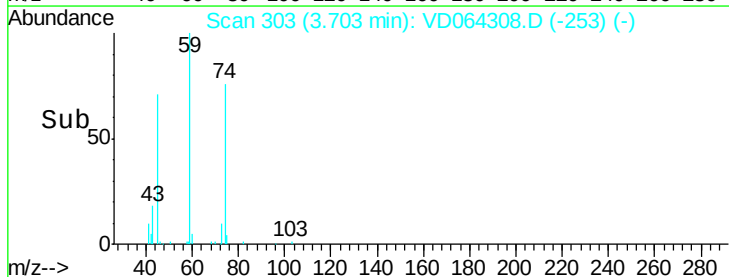
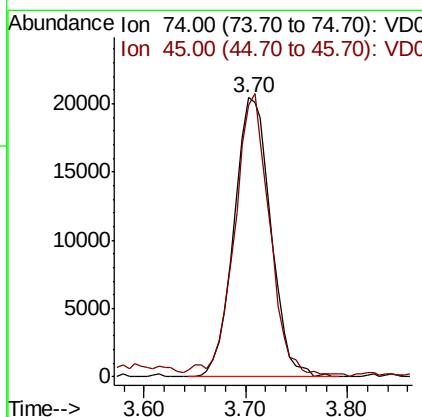
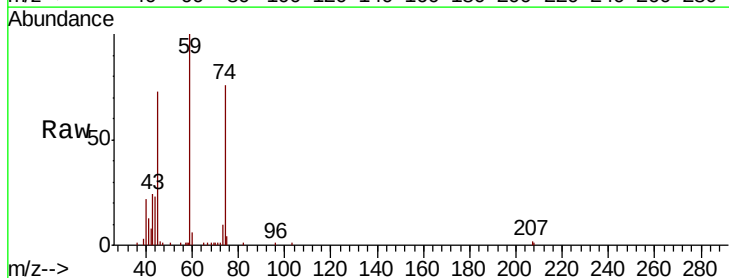
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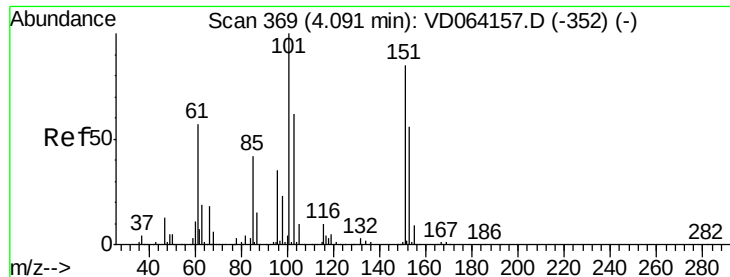


#8

Diethyl Ether
Concen: 20.896 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.7	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.646 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

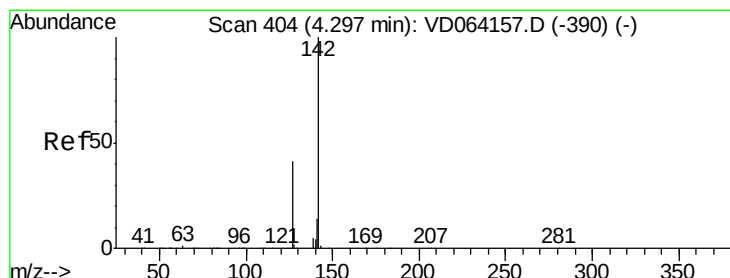
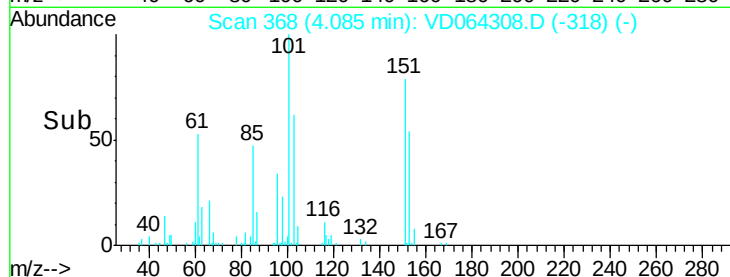
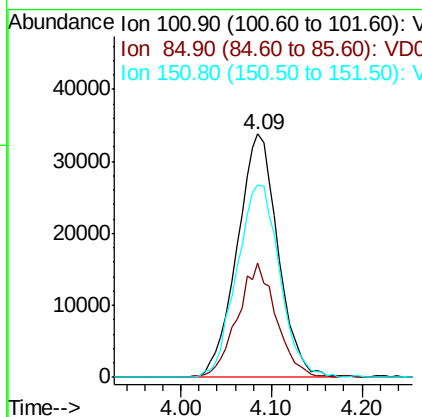
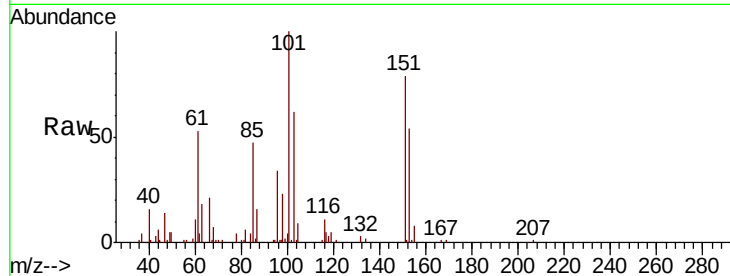
ClientSampleId :

VD1120SBS01

Tot Ion:	101	Resp:	105593
Ion Ratio	Lower	Upper	
101	100		
85	44.8	34.4	51.6
151	83.3	68.1	102.1

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#10

Methyl Iodide

Concen: 19.033 ug/l

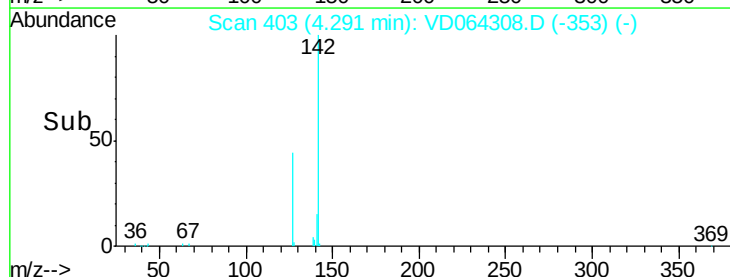
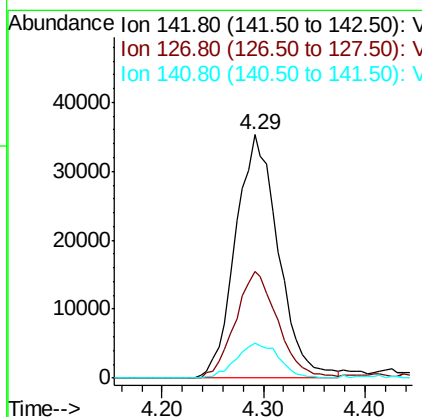
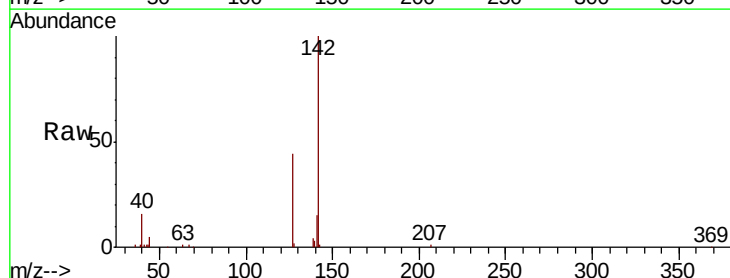
RT: 4.29 min Scan# 403

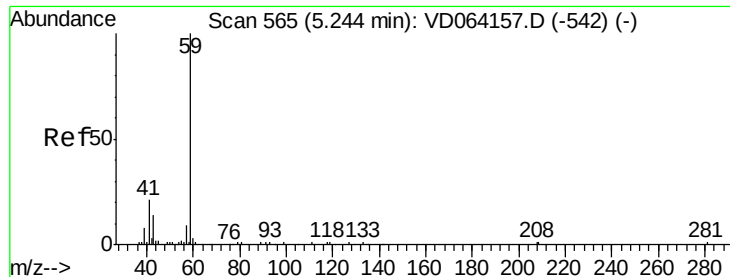
Delta R.T. -0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion:	142	Resp:	103462
Ion Ratio	Lower	Upper	
142	100		
127	43.2	34.4	51.6
141	14.4	11.2	16.8





#11

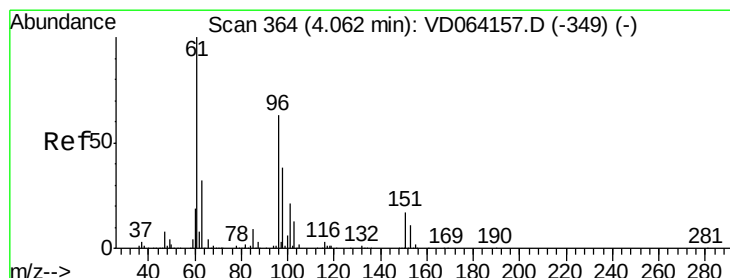
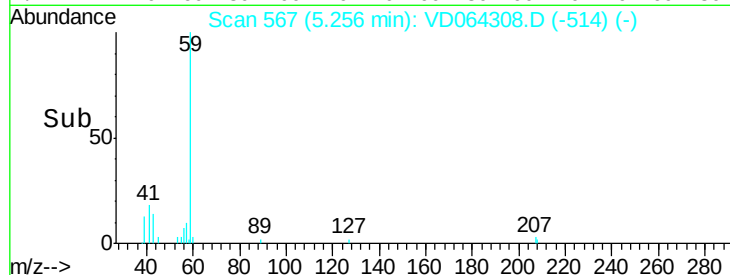
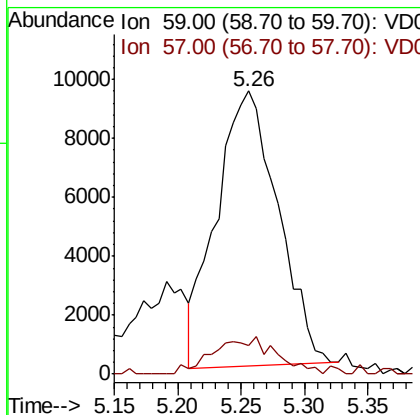
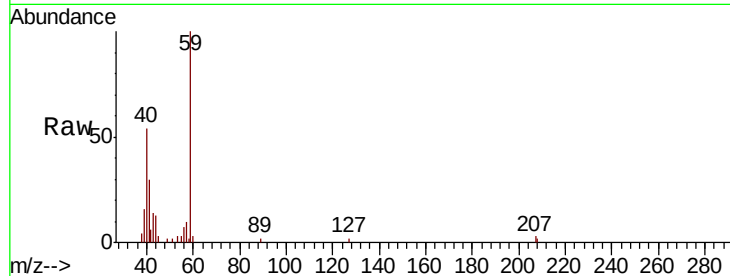
Tert butyl alcohol
 Concen: 94.742 ug/l
 RT: 5.26 min Scan# 567
 Delta R.T. 0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	59	Resp	31574
Ion Ratio	100	Lower	Upper
57	13.6	9.4	14.2

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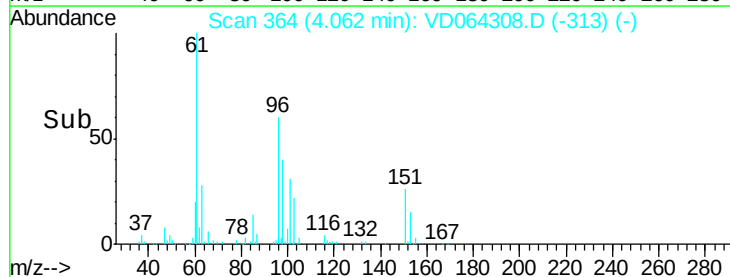
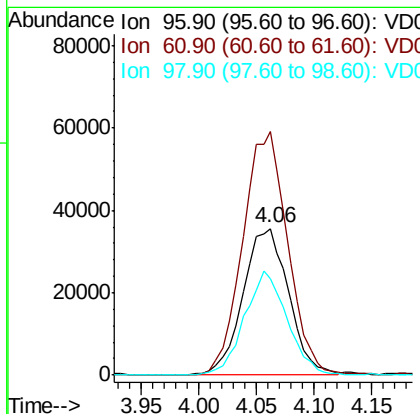
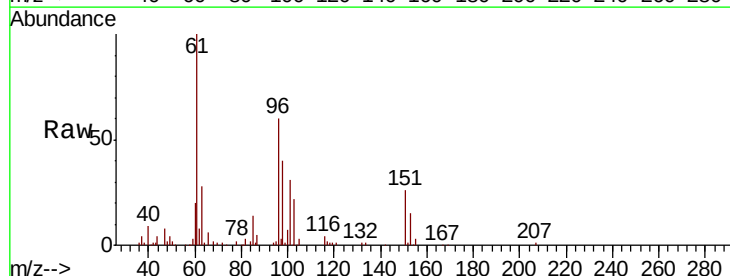
MMDadoda
 11/22/2019 12:52:15 AM

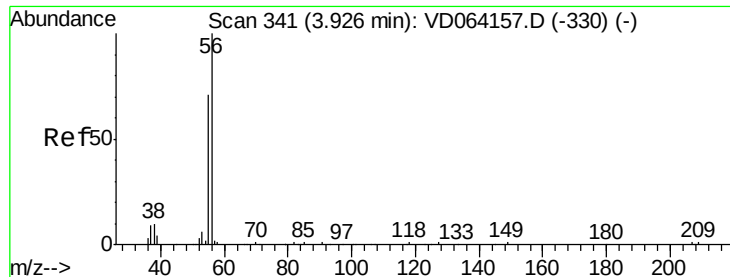


#12

1,1-Dichloroethene
 Concen: 20.115 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	96	Resp	98057
Ion Ratio	100	Lower	Upper
61	165.9	127.4	191.2
98	65.6	48.1	72.1





#13

Acrolein

Concen: 72.883 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 56 Resp: 20548

Ion Ratio Lower Upper

56 100

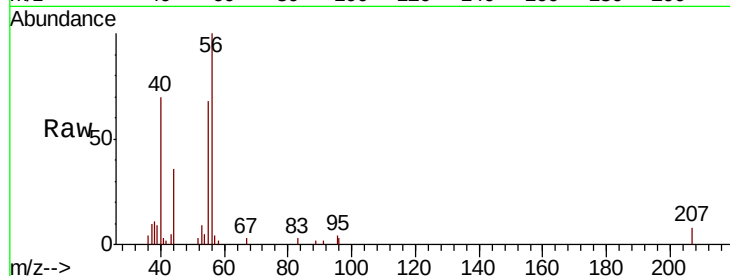
55 67.7 56.1 84.1

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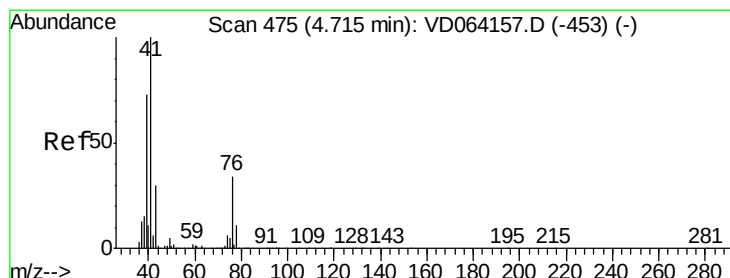
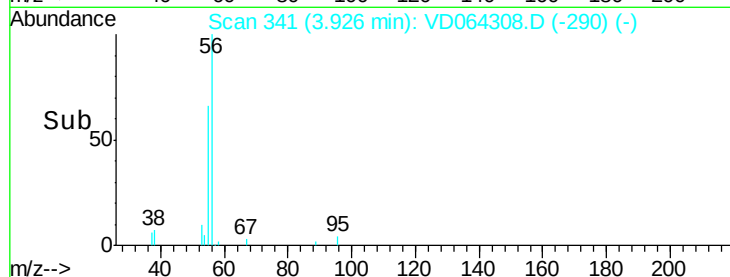
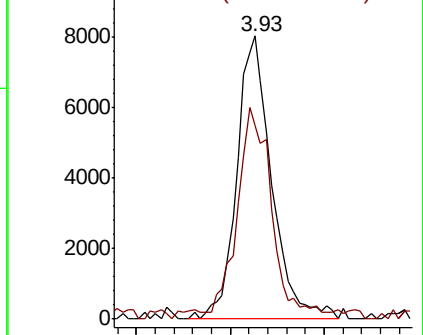
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.408 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

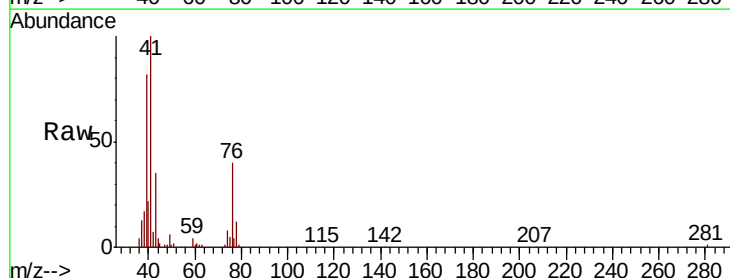
Tgt Ion: 41 Resp: 158665

Ion Ratio Lower Upper

41 100

39 77.1 57.5 86.3

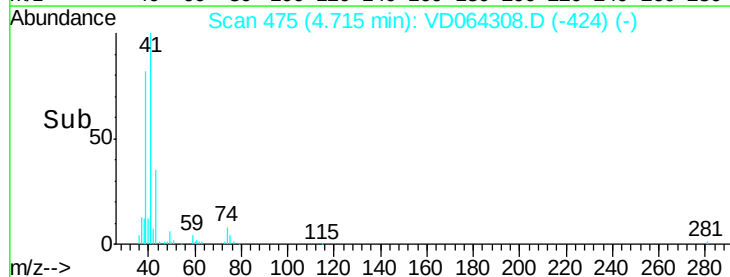
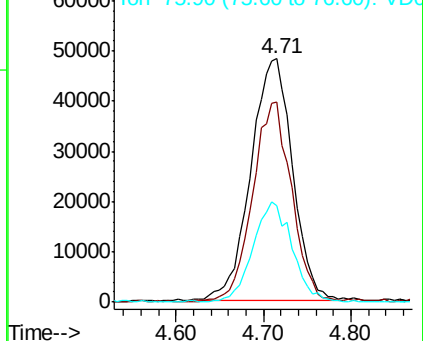
76 38.6 26.8 40.2

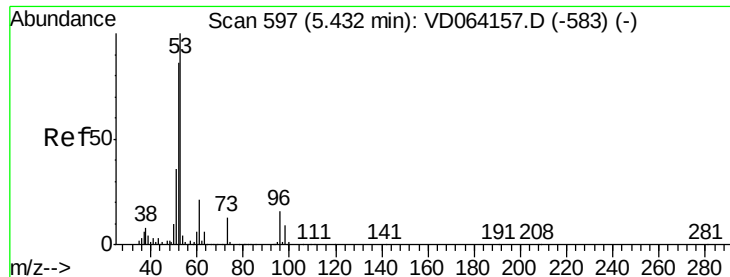


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 109.375 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

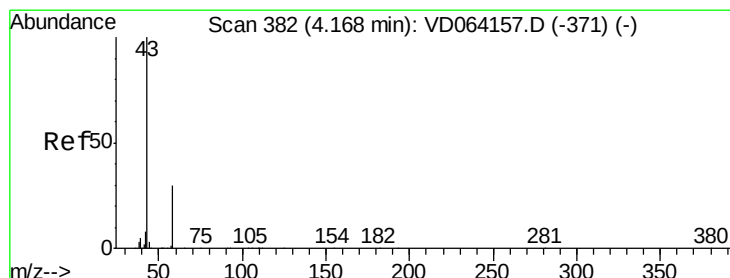
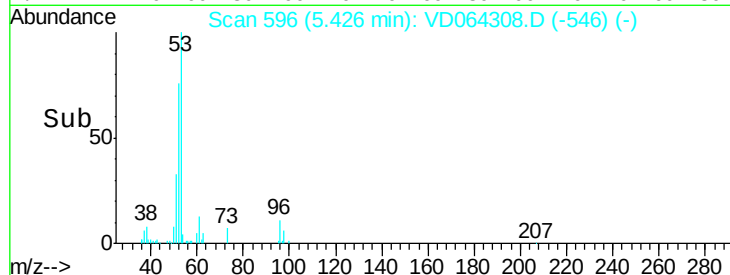
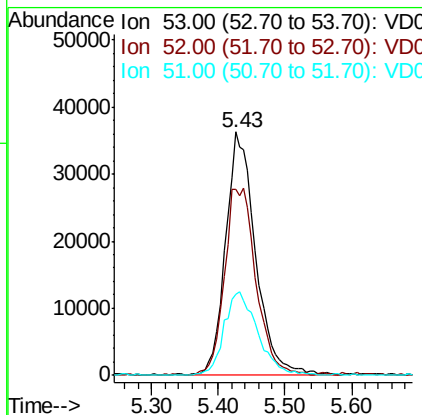
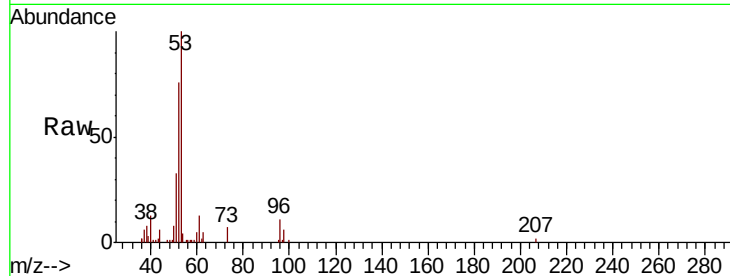
ClientSampleId :

VD1120SBS01

Tot Ion:	53	Resp:	114722
Ion Ratio	Lower	Upper	
53	100		
52	80.8	66.7	100.1
51	38.2	30.6	46.0

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#16

Acetone

Concen: 85.019 ug/l

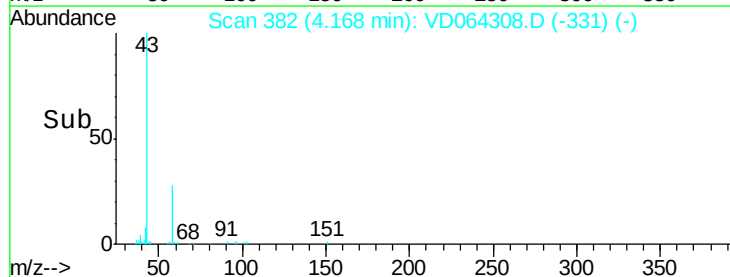
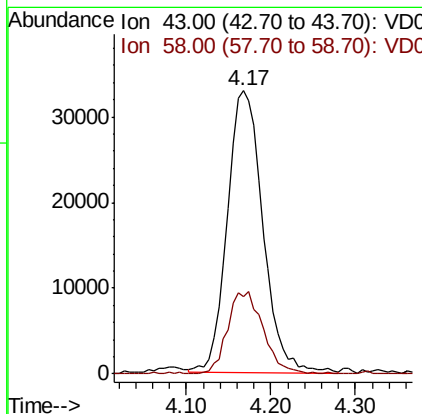
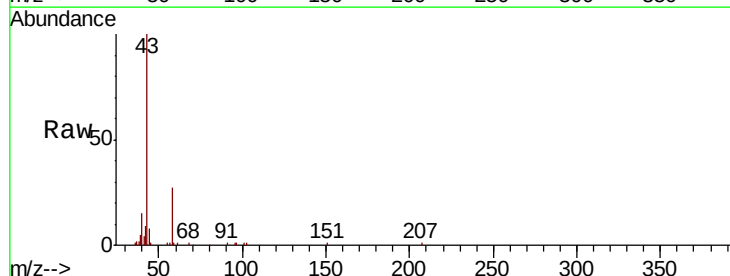
RT: 4.17 min Scan# 382

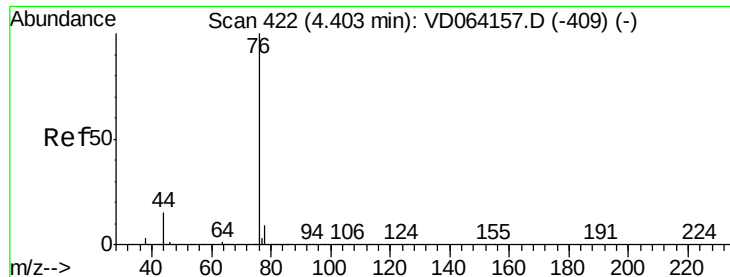
Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion:	43	Resp:	96102
Ion Ratio	Lower	Upper	
43	100		
58	27.6	24.1	36.1





#17

Carbon Disulfide

Concen: 19.054 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 76 Resp: 289273

Ion Ratio Lower Upper

76 100

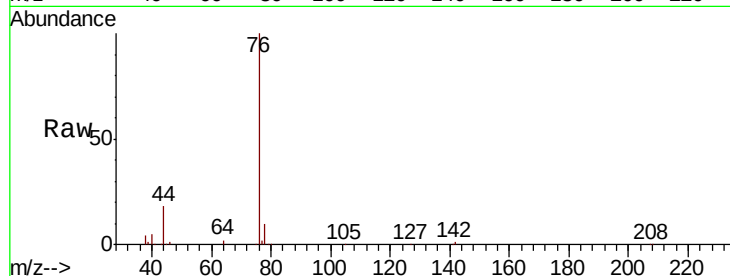
78 9.9 7.2 10.8

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

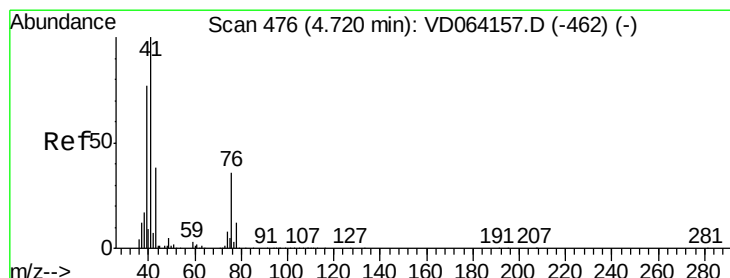
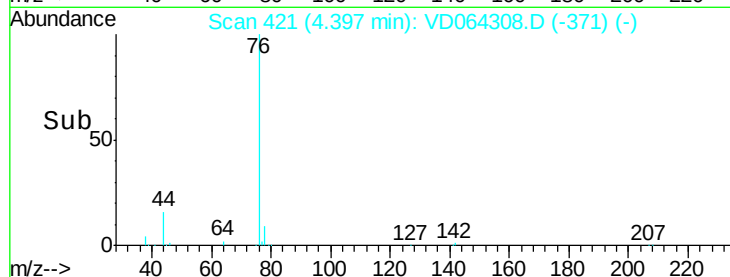
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 20.136 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064308.D

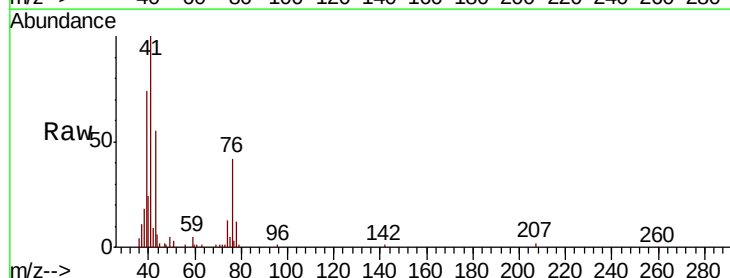
Acq: 20 Nov 2019 12:41

Tgt Ion: 43 Resp: 63571

Ion Ratio Lower Upper

43 100

74 24.1 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

20000

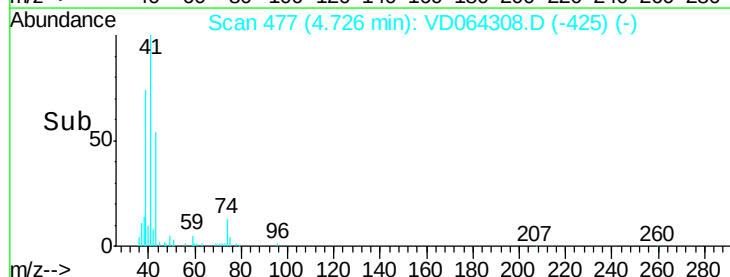
15000

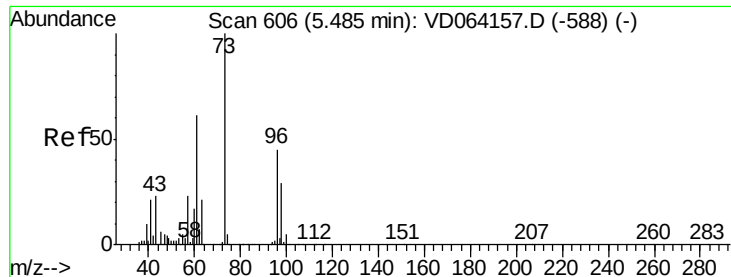
10000

5000

0

Time-->





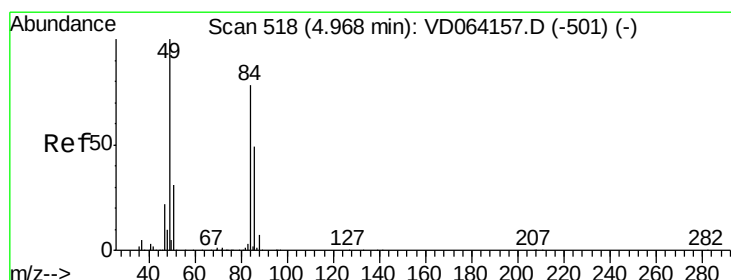
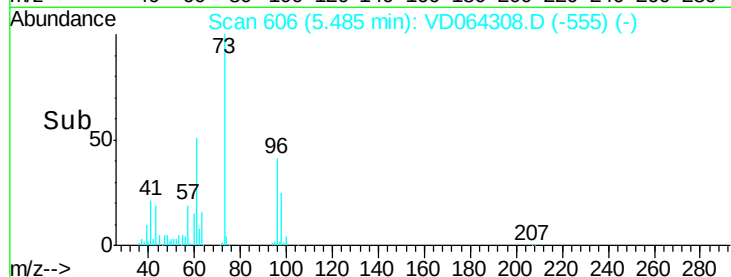
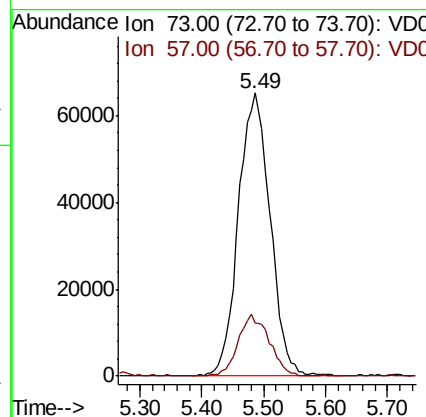
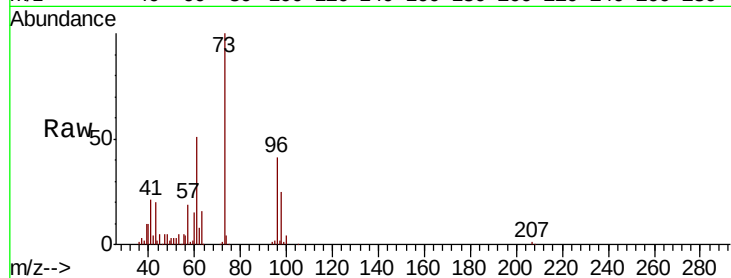
#19
Methyl tert-butyl Ether
Concen: 20.053 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion: 73 Resp: 233372
Ion Ratio Lower Upper
73 100
57 18.7 18.4 27.6

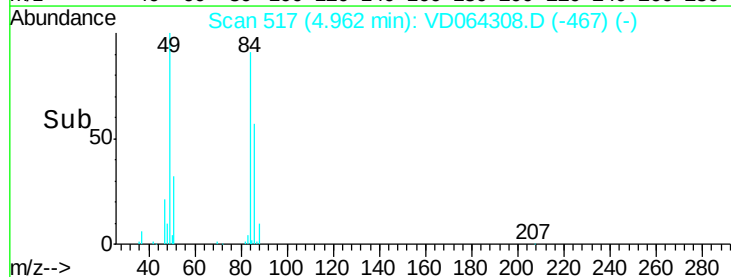
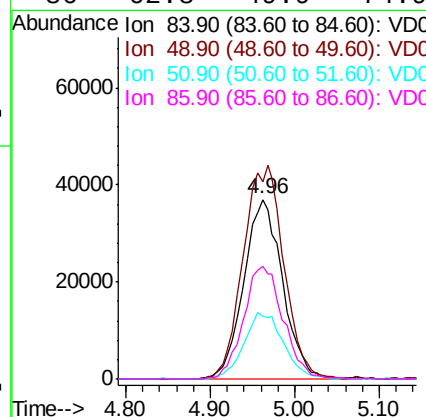
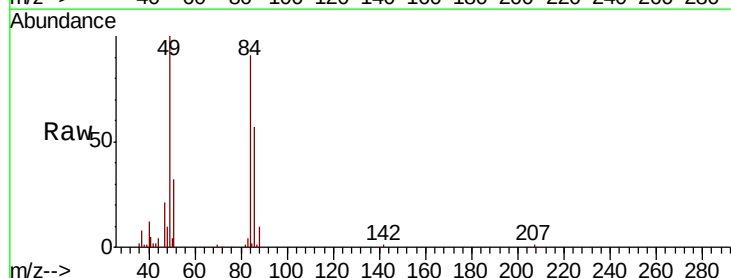
Manual Integrations
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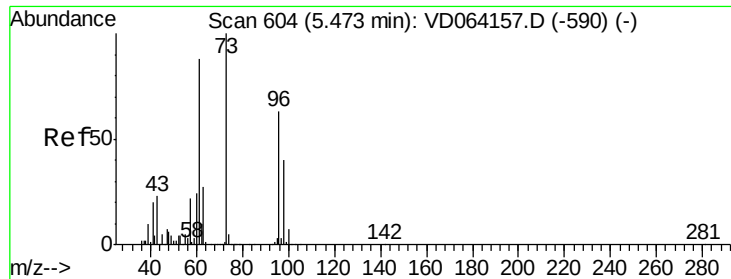
MMDadoda
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#20
Methylene Chloride
Concen: 20.609 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion: 84 Resp: 117674
Ion Ratio Lower Upper
84 100
49 110.0 102.1 153.1
51 34.9 32.2 48.2
86 62.8 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 20.149 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

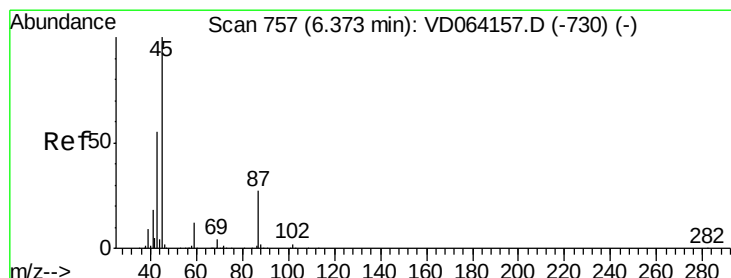
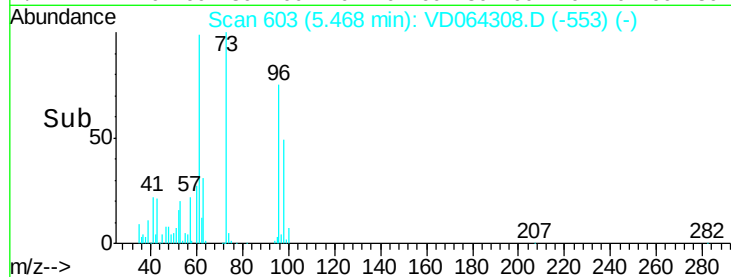
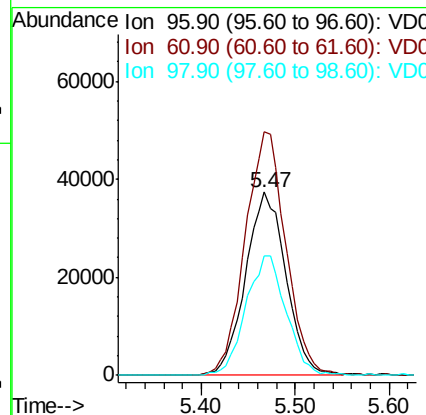
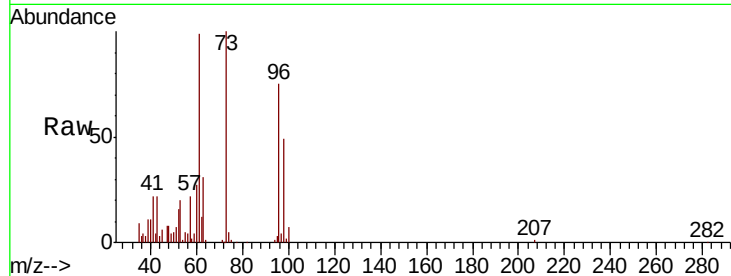
ClientSampleId :

VD1120SBS01

Tot Ion:	96	Resp:	111286
Ion	Ratio	Lower	Upper
96	100		
61	132.9	111.8	167.6
98	65.0	50.3	75.5

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#22

Diisopropyl ether

Concen: 19.473 ug/l

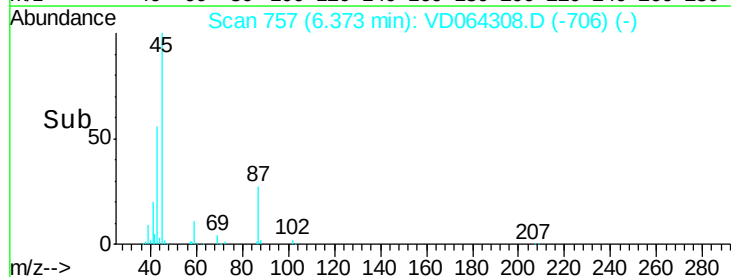
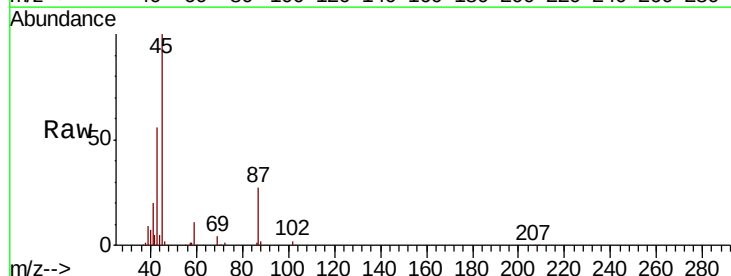
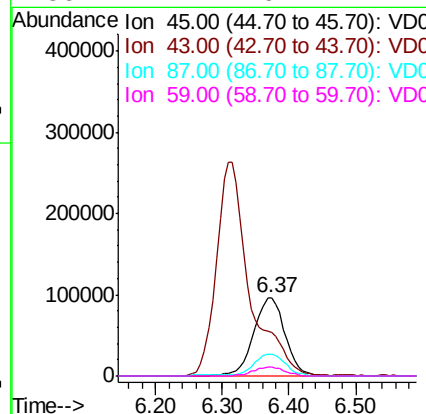
RT: 6.37 min Scan# 757

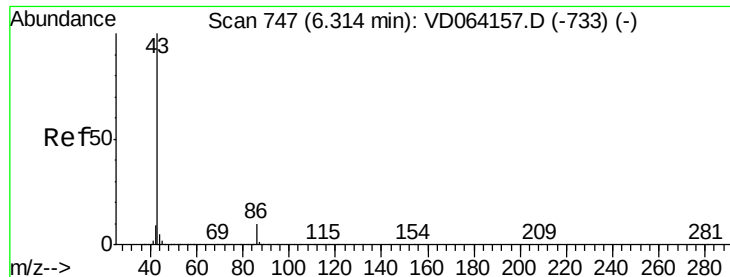
Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion:	45	Resp:	311426
Ion	Ratio	Lower	Upper
45	100		
43	54.6	44.4	66.6
87	27.1	21.9	32.9
59	11.4	9.4	14.2





#23

Vinyl Acetate

Concen: 102.393 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 43 Resp: 912790

Ion Ratio Lower Upper

43 100

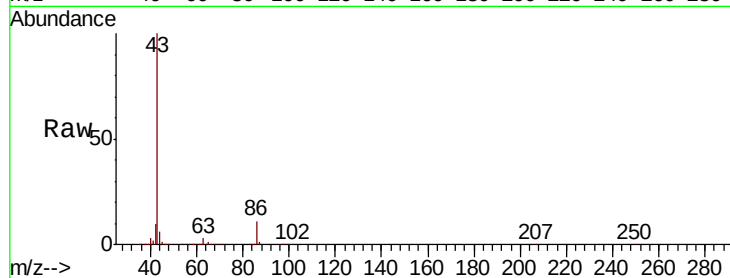
86 10.9 8.2 12.2

Manual Integrations

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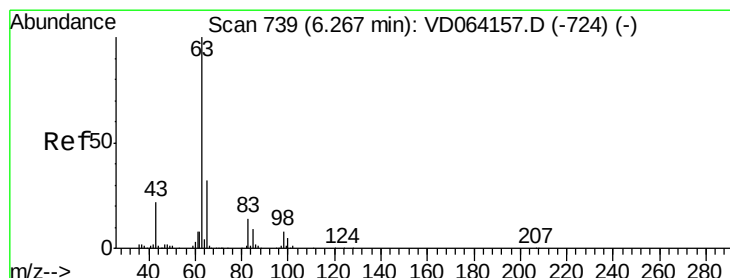
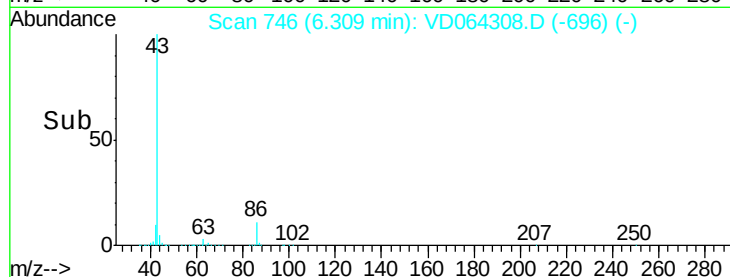
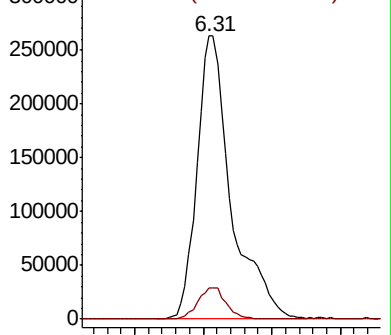
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.184 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

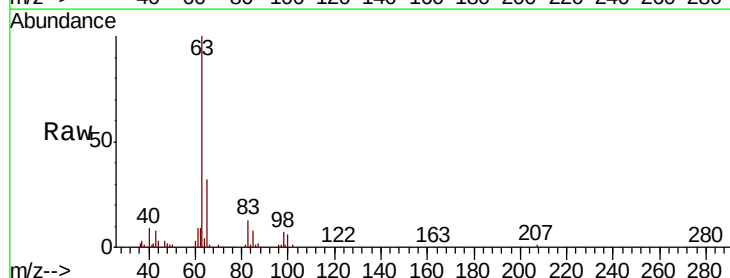
Tgt Ion: 63 Resp: 187426

Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.4

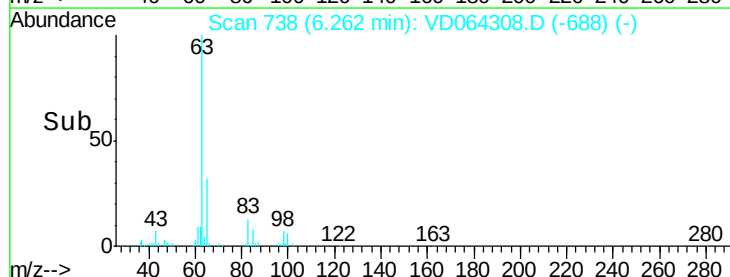
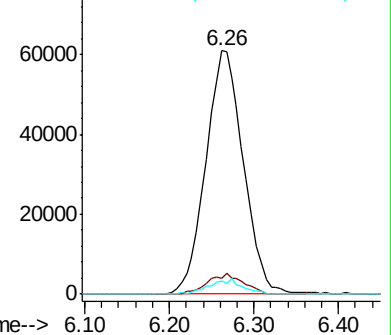
100 5.6 2.4 7.2

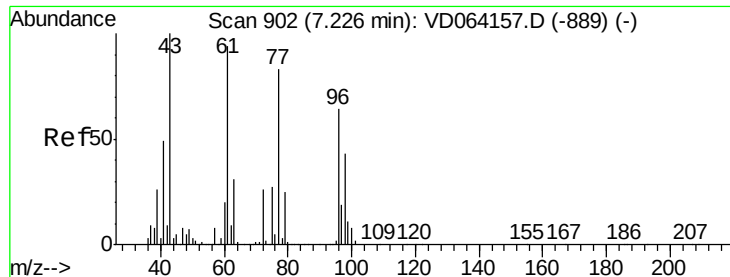


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 95.681 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 43 Resp: 139728

Ion Ratio Lower Upper

43 100

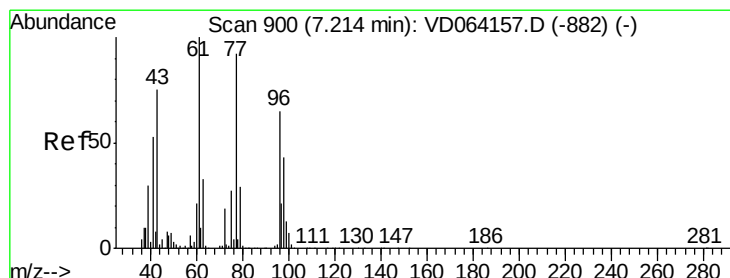
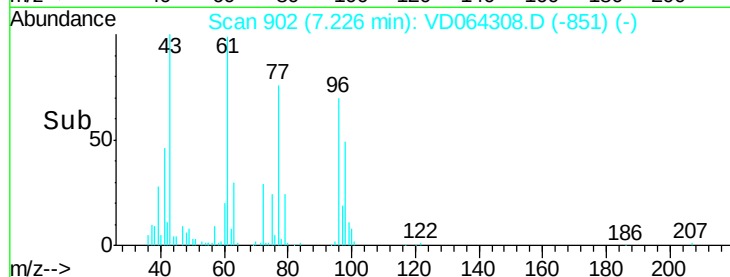
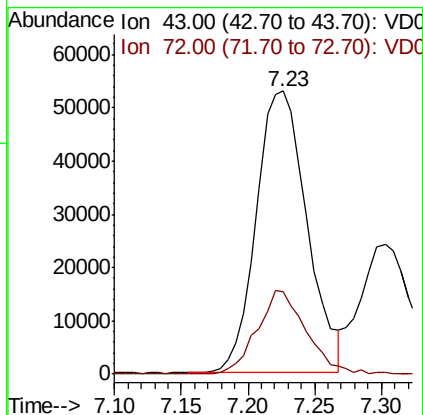
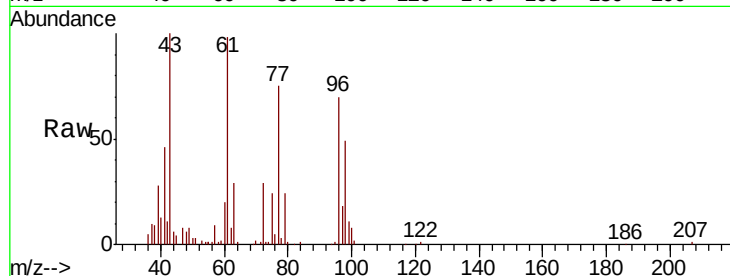
72 29.2 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.662 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064308.D

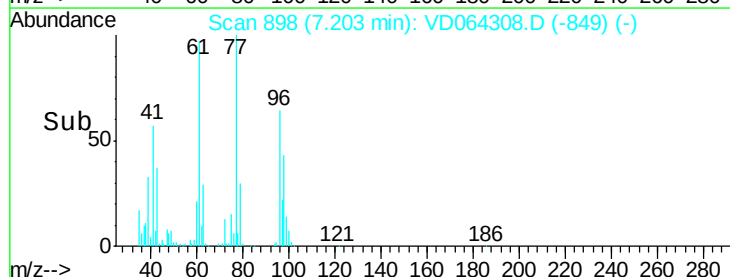
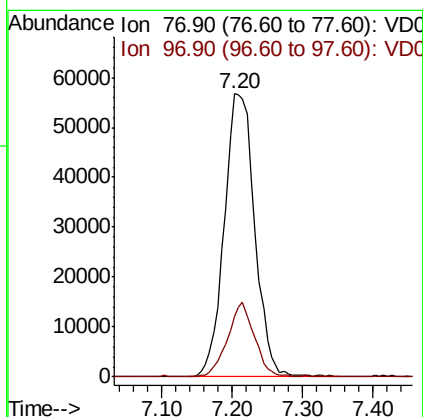
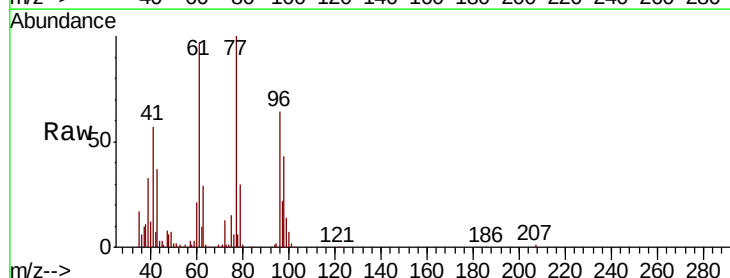
Acq: 20 Nov 2019 12:41

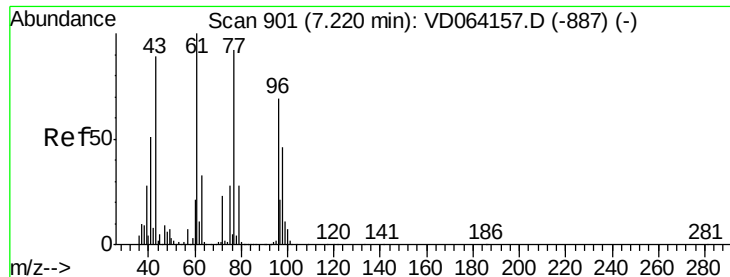
Tgt Ion: 77 Resp: 169942

Ion Ratio Lower Upper

77 100

97 23.4 11.1 33.3





#27

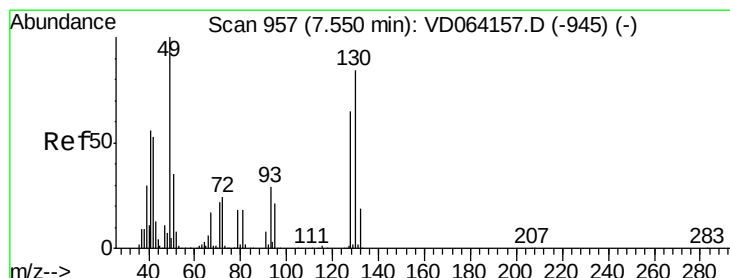
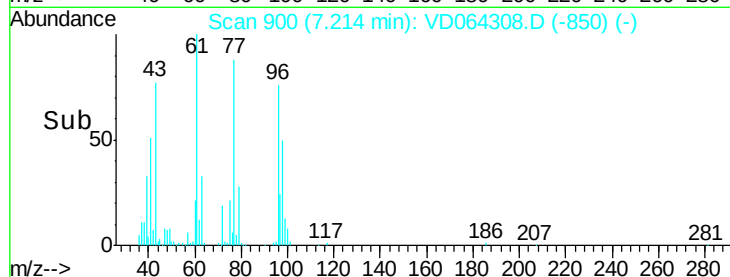
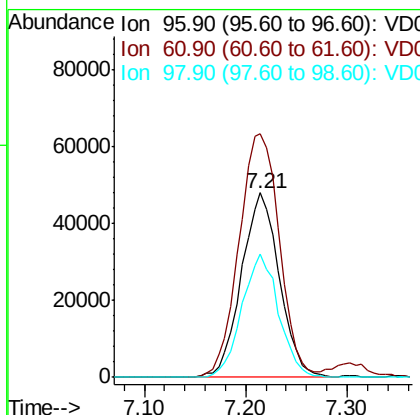
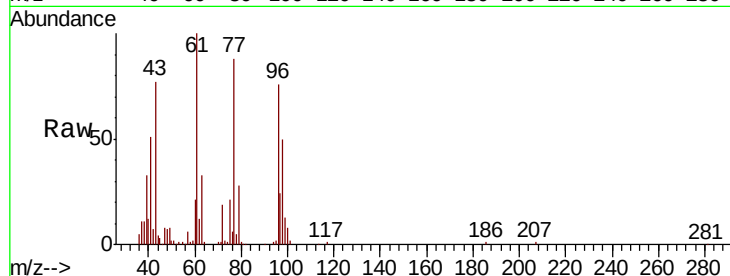
cis-1,2-Dichloroethene
Concen: 21.059 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124733		
61	140.5	0.0	301.4	
98	64.9	0.0	133.2	

Manual Integrations
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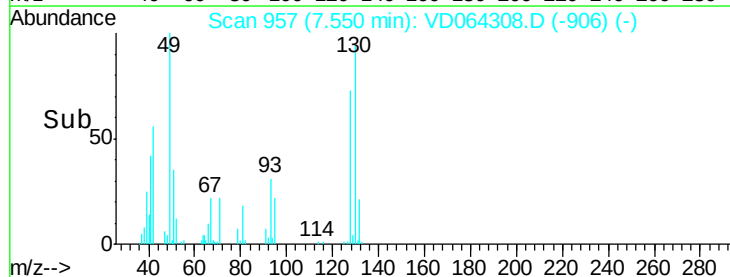
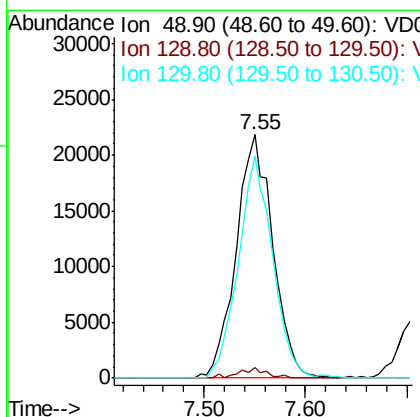
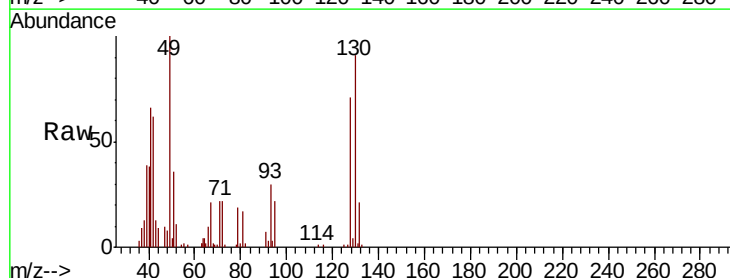
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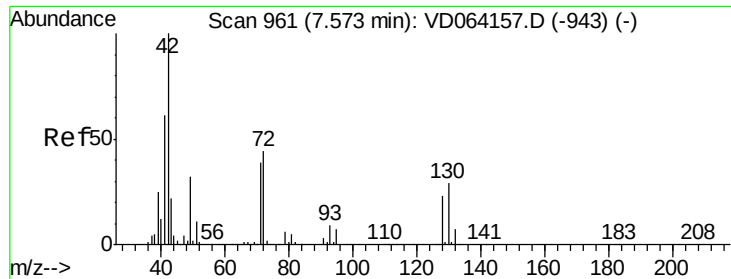


#28

Bromochloromethane
Concen: 16.909 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	54662		
129	3.0	0.0	4.4	
130	85.8	66.8	100.2	





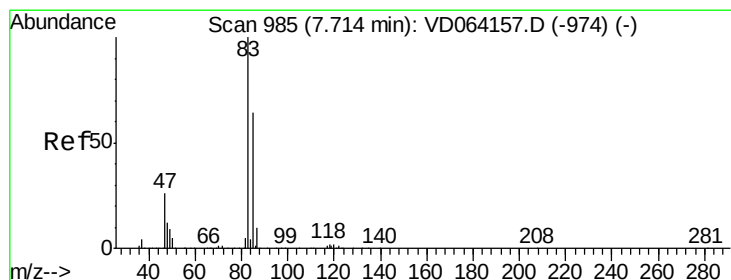
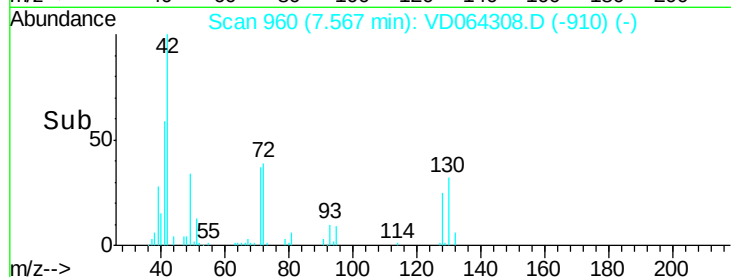
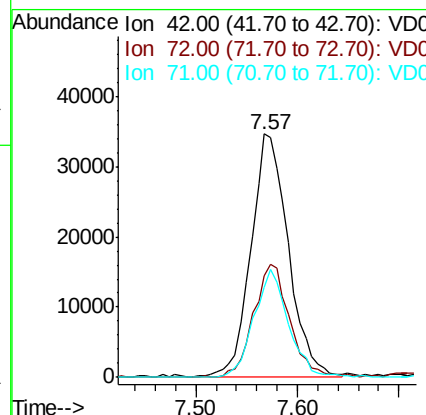
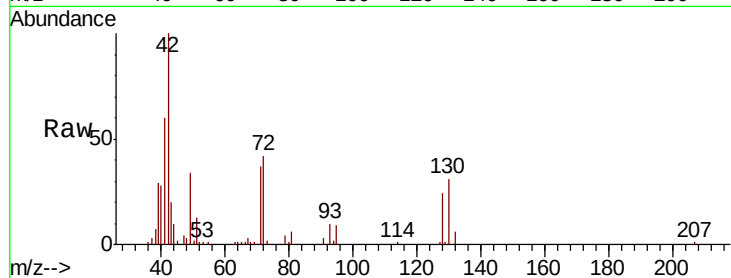
#29
Tetrahydrofuran
Concen: 101.860 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ion	Ratio	Lower	Upper
42	42	100		
72	72	45.0	33.4	50.2
71	71	40.8	31.0	46.4

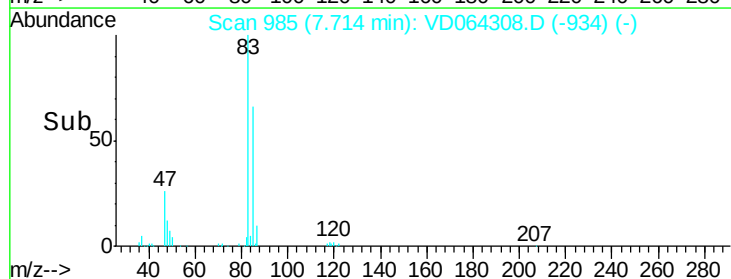
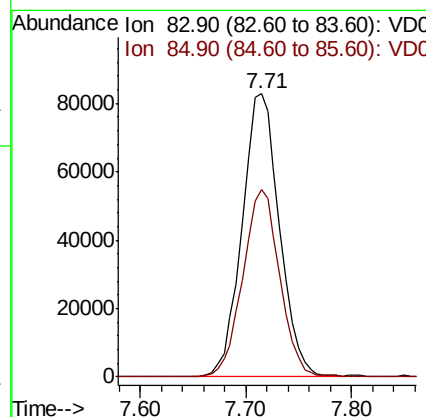
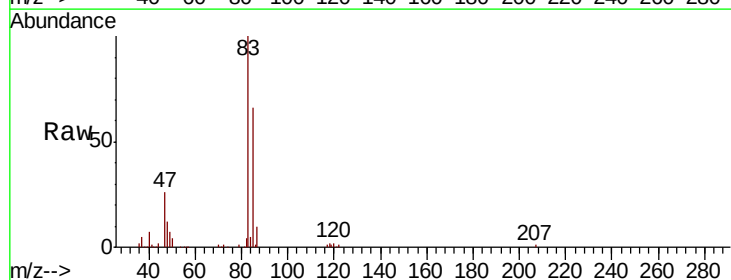
Manual Integrations
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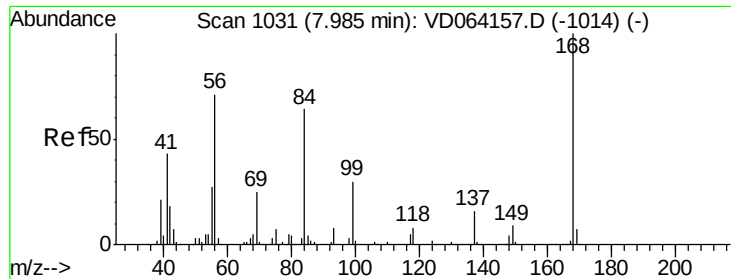
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#30
Chloroform
Concen: 21.383 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ion	Ratio	Lower	Upper
83	83	100		
85	85	66.3	51.4	77.0





#31

Cyclohexane

Concen: 19.034 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 56 Resp: 178245

Ion Ratio Lower Upper

56 100

69 37.0 28.2 42.4

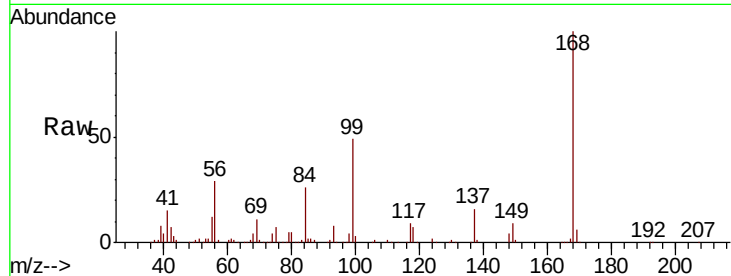
84 88.2 71.8 107.6

Manual Integrations

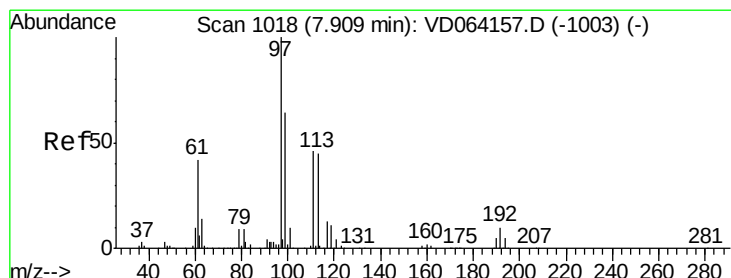
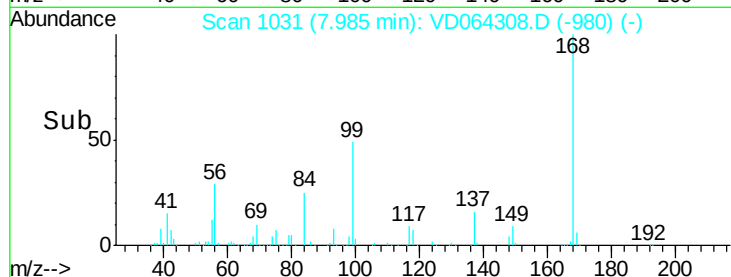
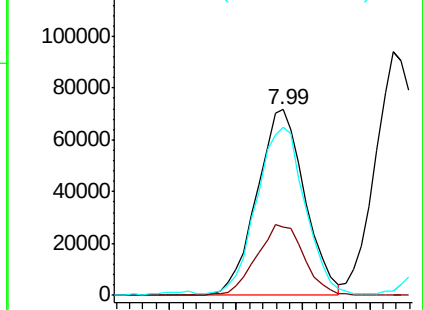
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 20.039 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

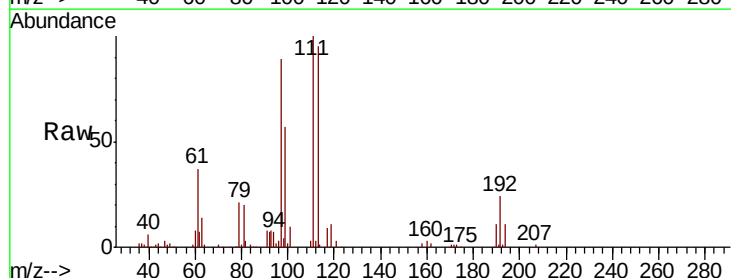
Tgt Ion: 97 Resp: 182255

Ion Ratio Lower Upper

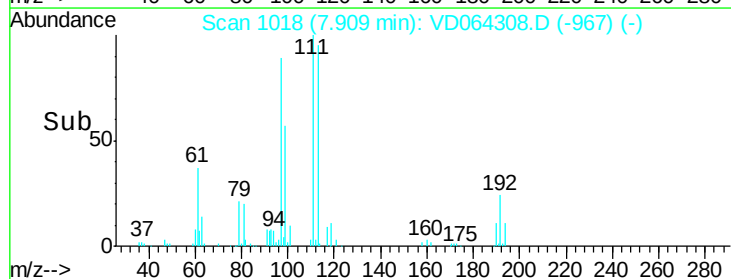
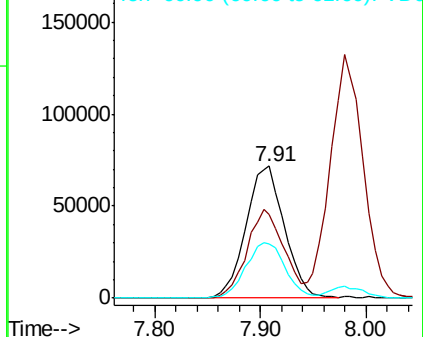
97 100

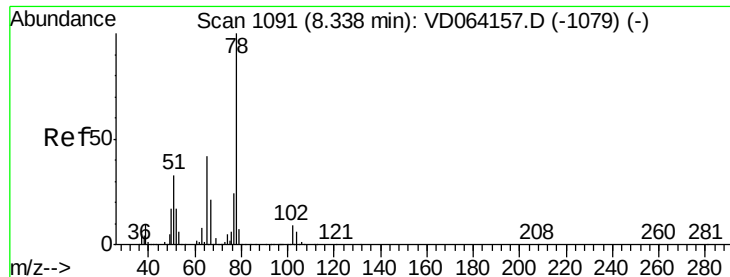
99 63.9 51.6 77.4

61 42.8 34.2 51.2



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





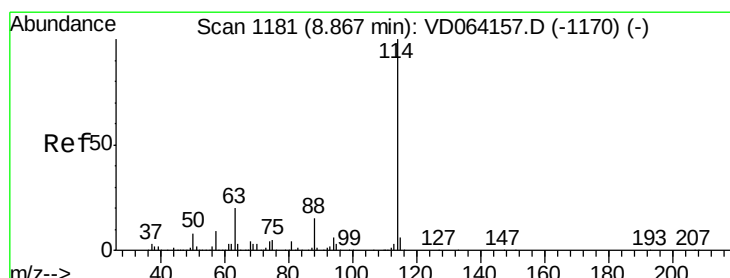
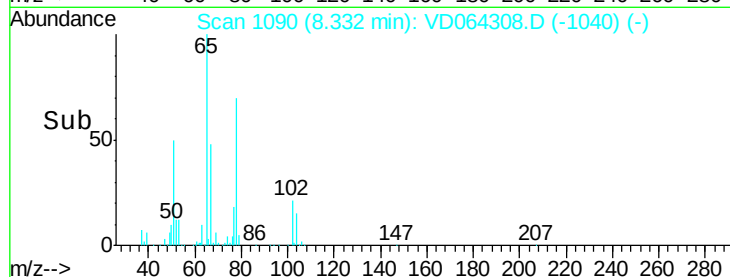
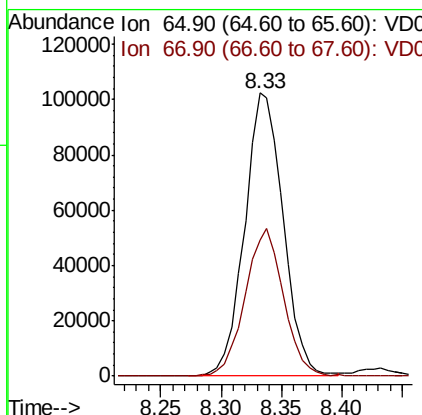
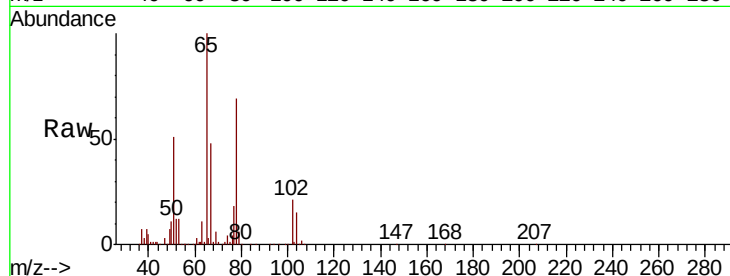
#33
 1,2-Dichloroethane-d4
 Concen: 47.795 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	104.4

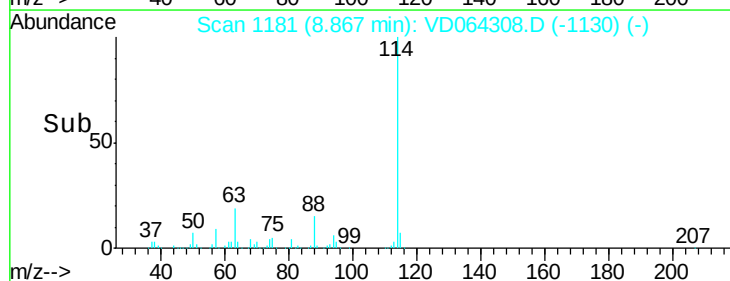
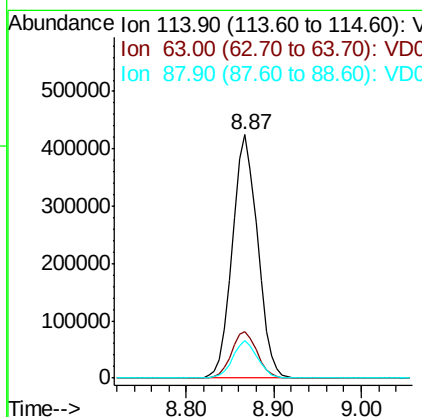
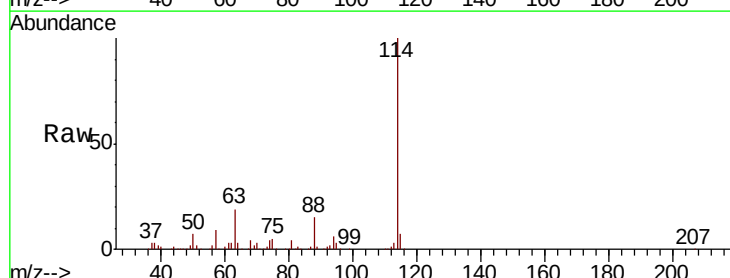
Manual Integrations
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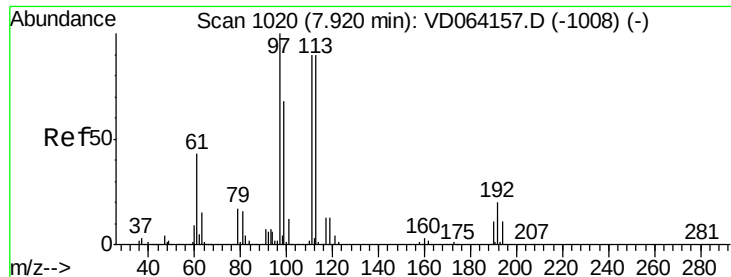
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.0
88	15.3	0.0	30.2





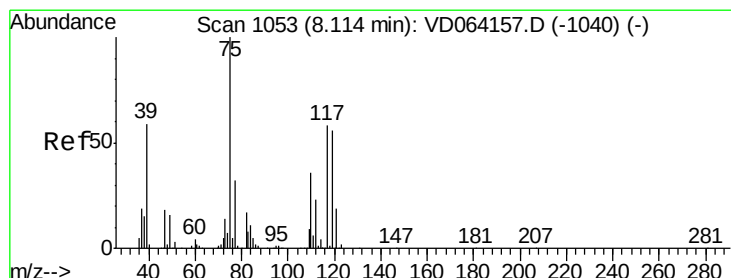
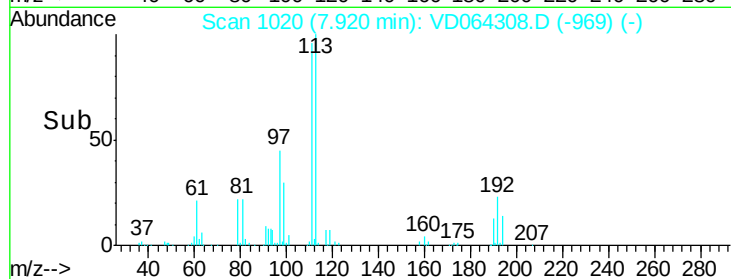
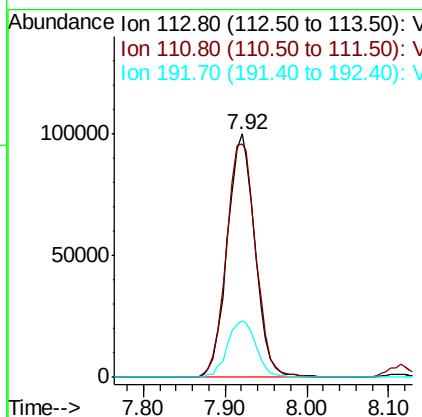
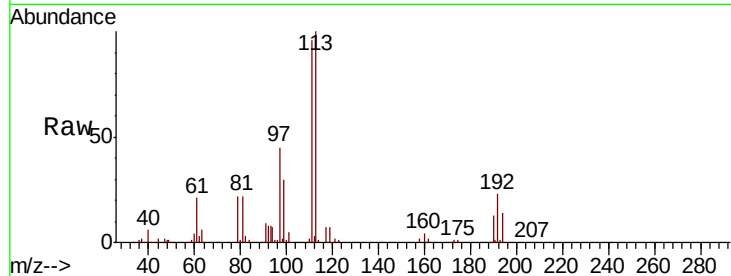
#35
 Dibromofluoromethane
 Concen: 49.467 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	236092		
111	101.7		81.5	122.3
192	23.9		18.8	28.2

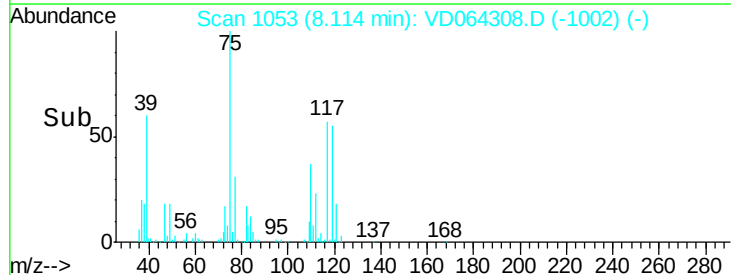
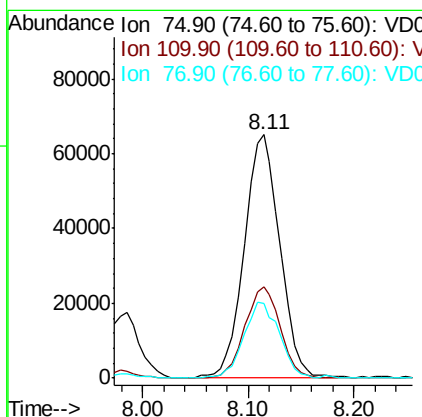
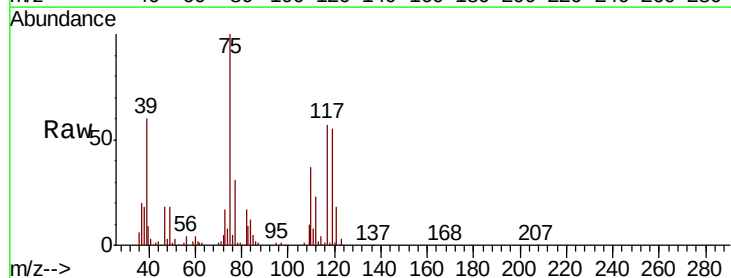
Manual Integrations
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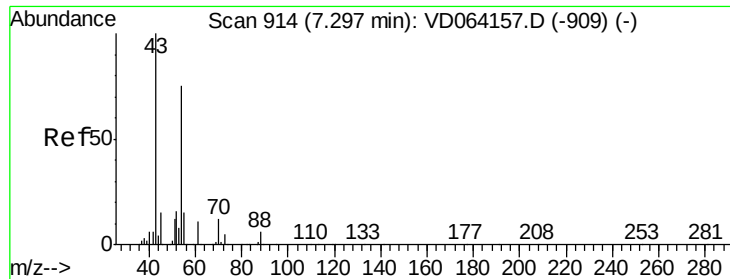
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#36
 1,1-Dichloropropene
 Concen: 19.837 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	152221		
110	37.2		18.3	54.9
77	31.2		25.0	37.6





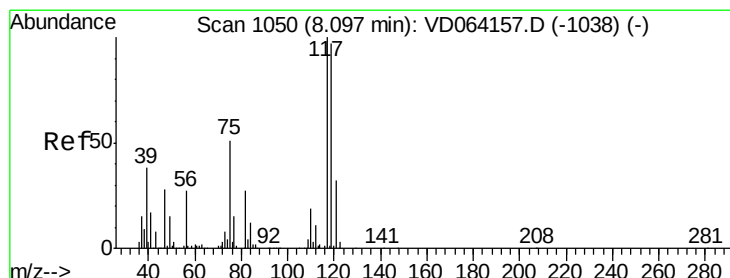
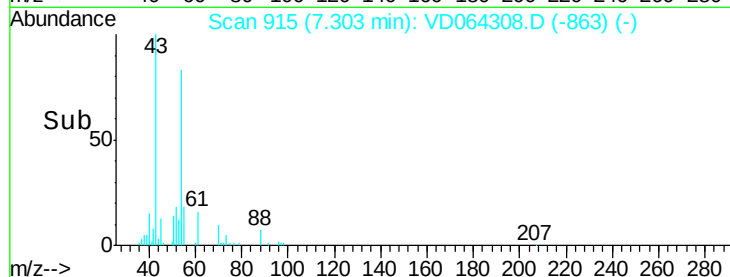
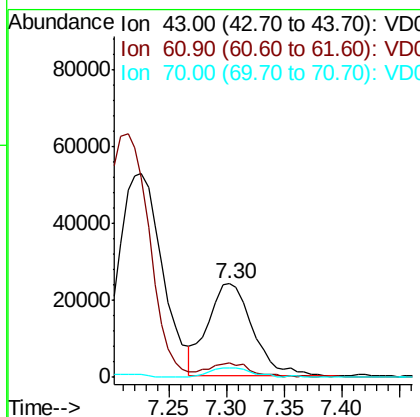
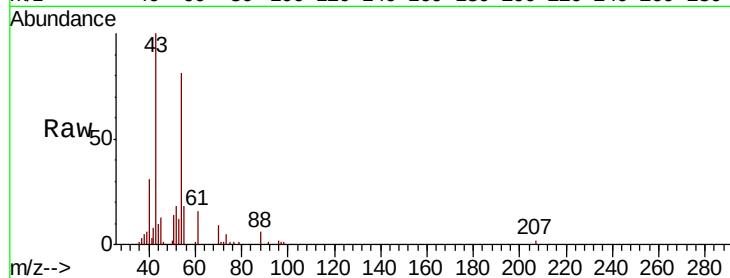
#37
Ethyl Acetate
Concen: 20.178 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	10.2	15.2
70	9.9	8.5	12.7

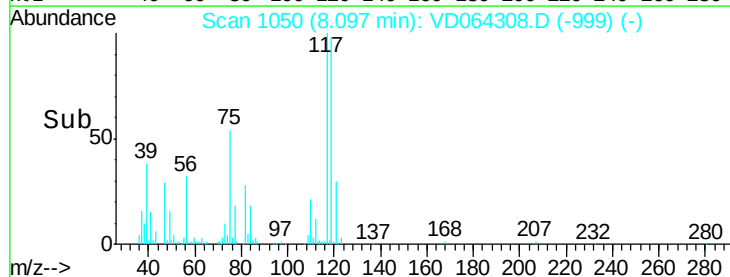
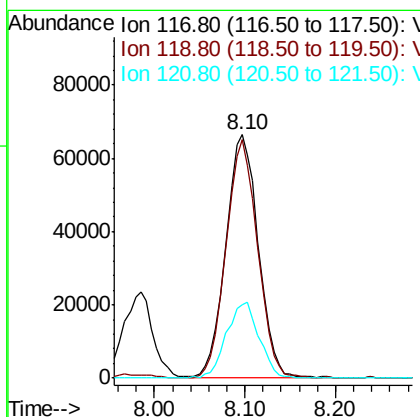
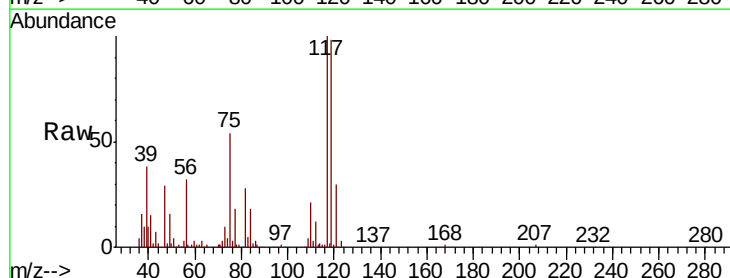
Manual Integrations
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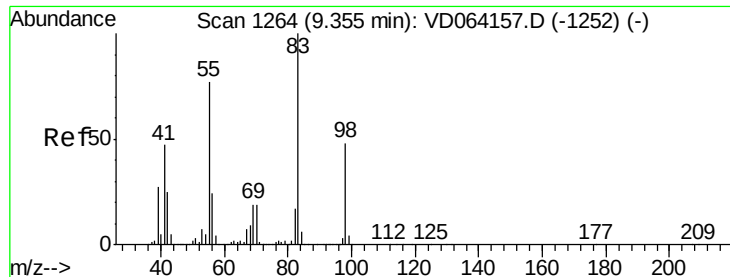
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#38
Carbon Tetrachloride
Concen: 20.189 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.2	115.8
121	29.9	25.5	38.3





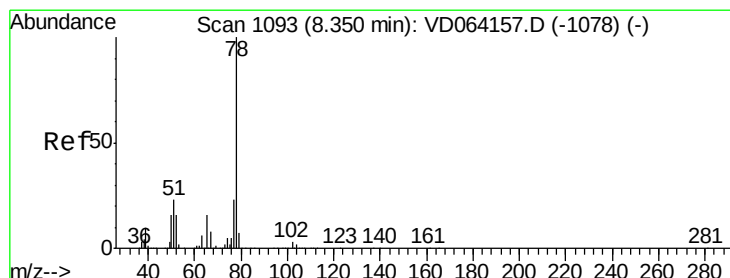
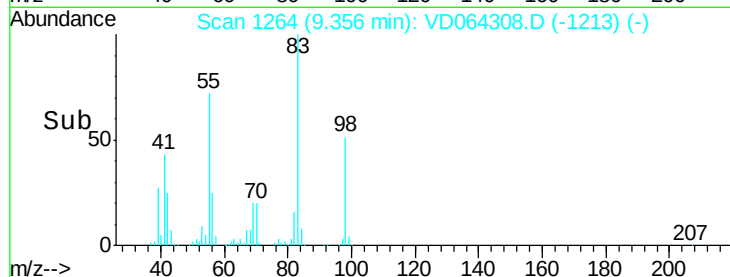
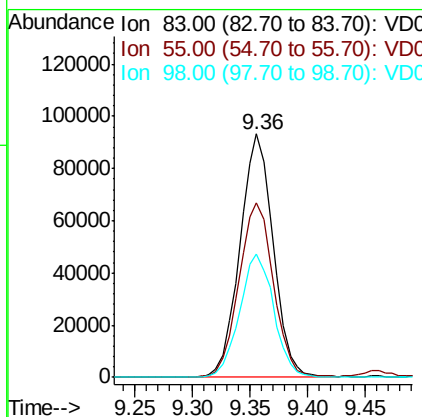
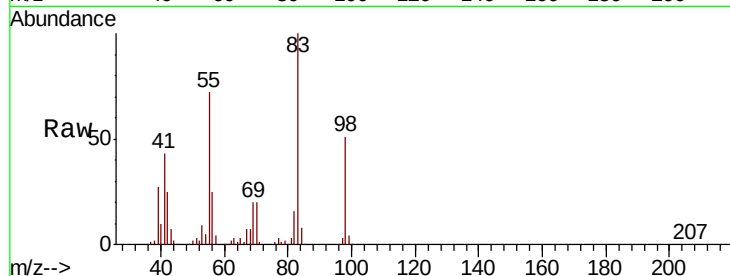
#39
Methylvlcyclohexane
Concen: 19.257 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.4	61.7	92.5
98	50.7	38.6	58.0

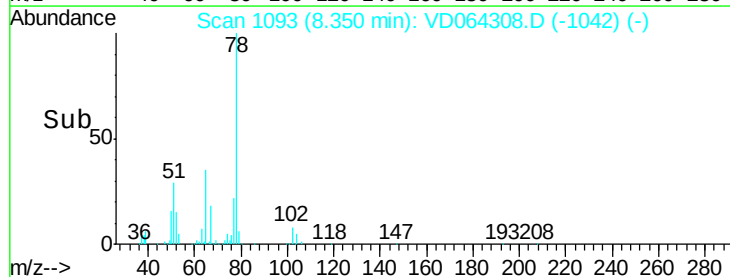
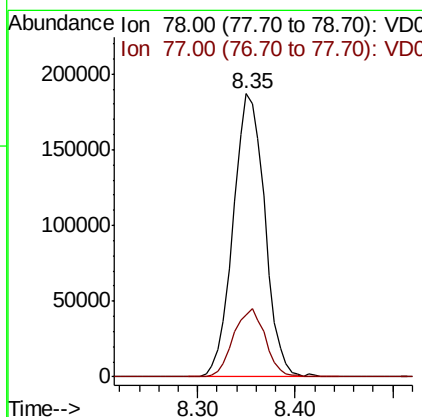
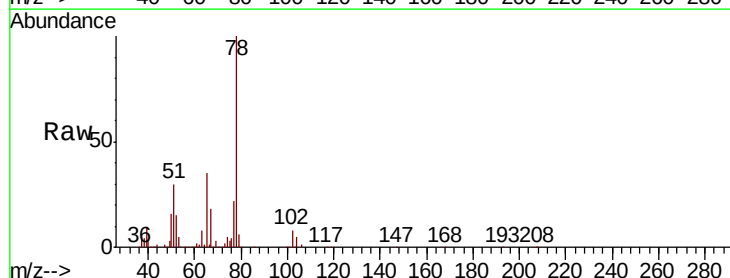
Manual Integrations
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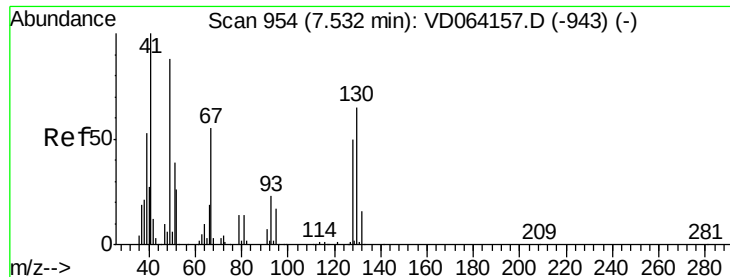
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#40
Benzene
Concen: 20.162 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.9	18.6	28.0





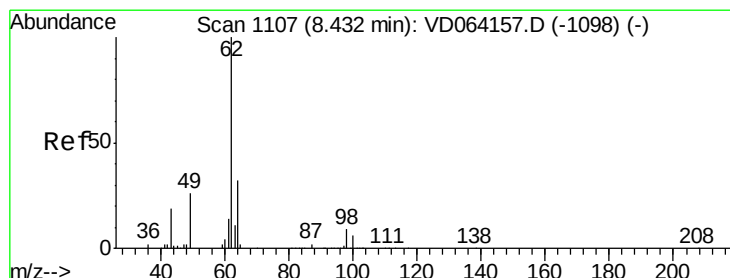
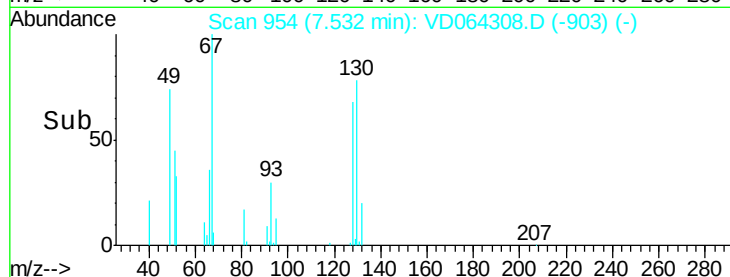
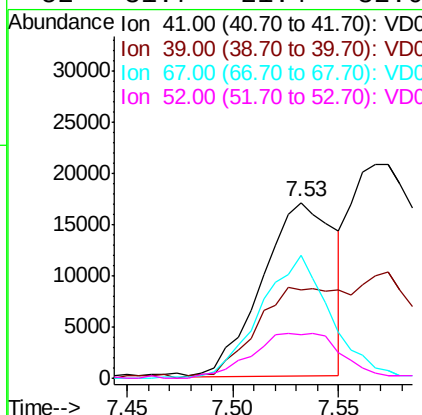
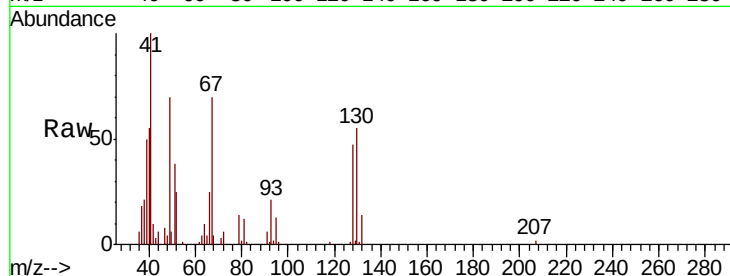
#41
Methacrylonitrile
Concen: 20.002 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	41	Resp	40670
Ion	Ratio	Lower	Upper
41	100		
39	64.9	49.4	74.2
67	68.8	49.6	74.4
52	31.7	21.4	32.0

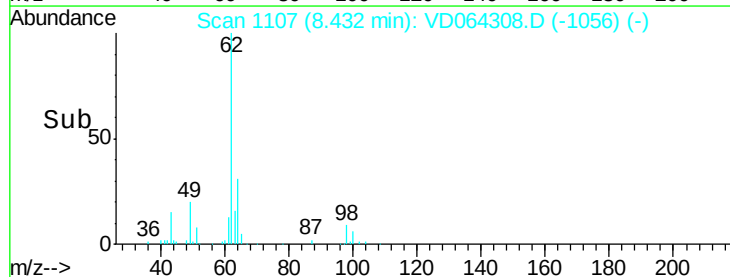
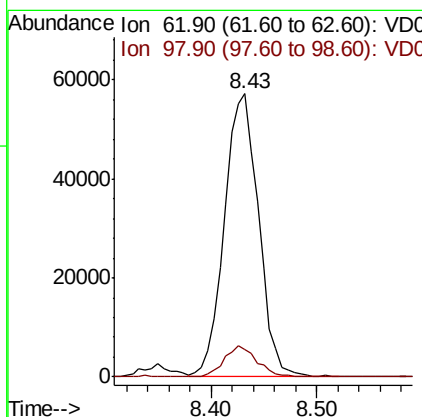
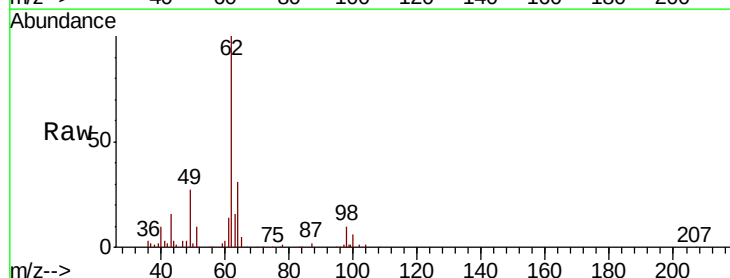
Manual Integrations
APPROVED

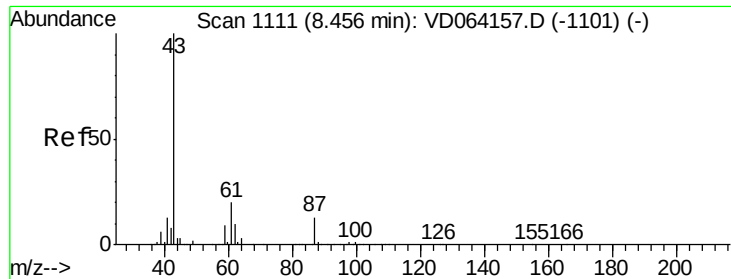
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#42
1,2-Dichloroethane
Concen: 20.326 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	62	Resp	128030
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	19.0





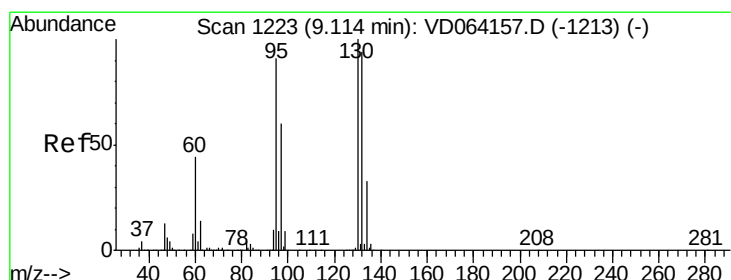
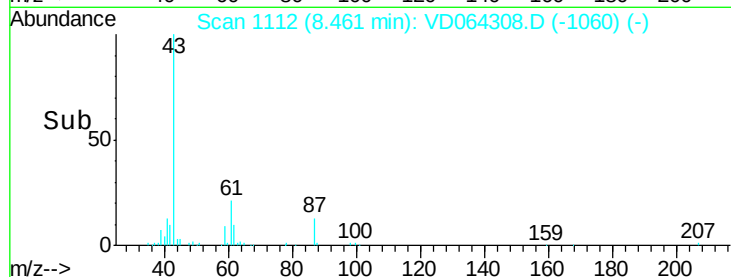
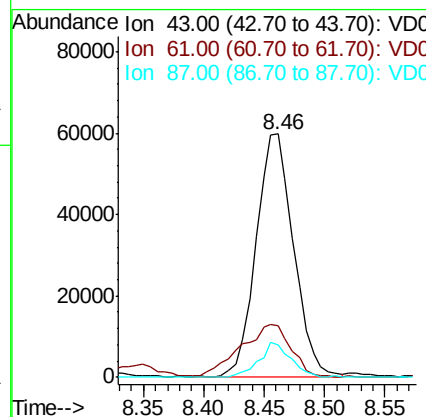
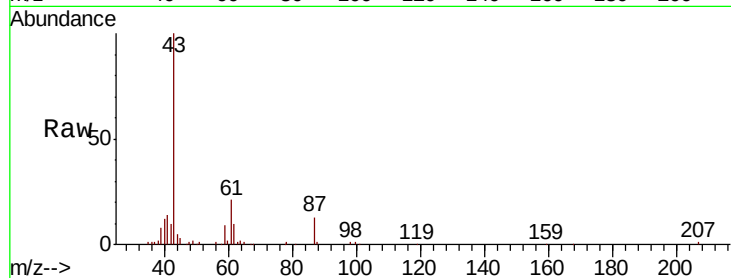
#43
Isopropyl Acetate
Concen: 19.395 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.4	22.9	34.3
87	12.2	10.2	15.2

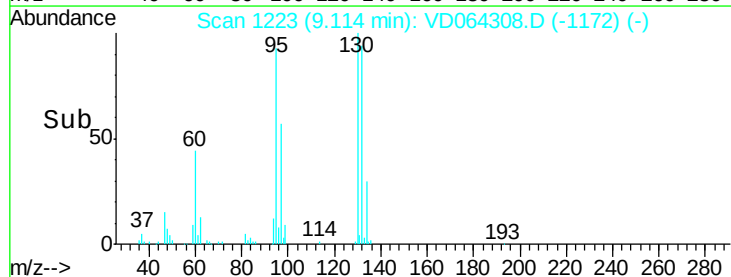
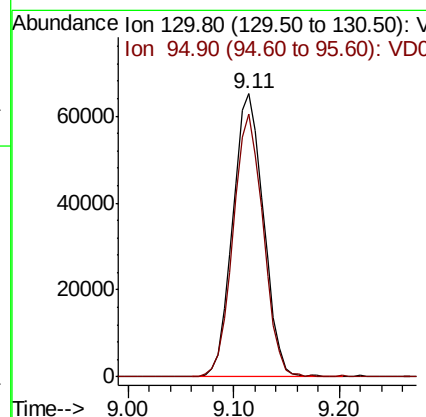
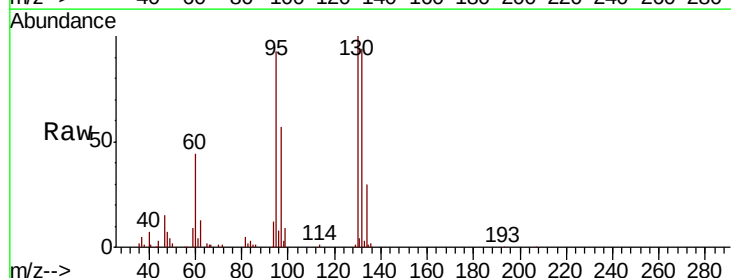
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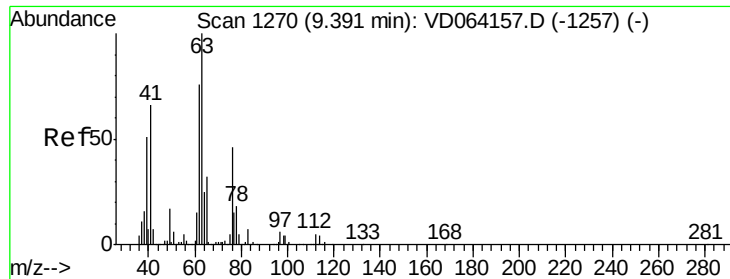
MMDadoda
11/22/2019 12:52:15 AM



#44
Trichloroethene
Concen: 20.842 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	93.1	0.0	181.6





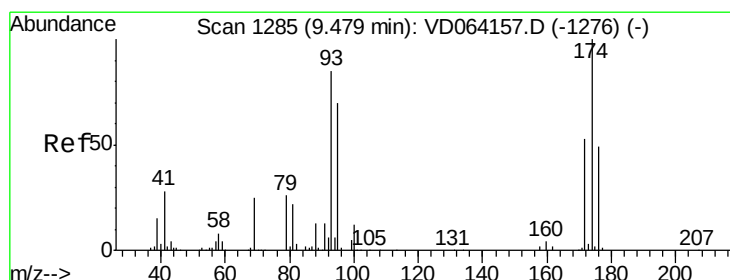
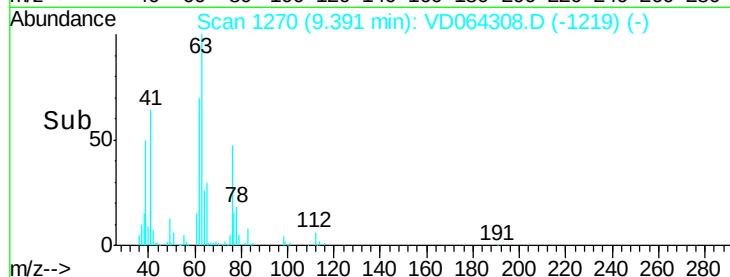
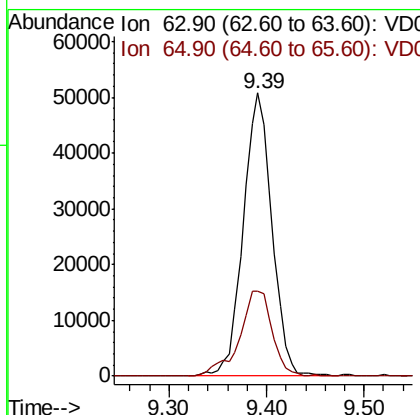
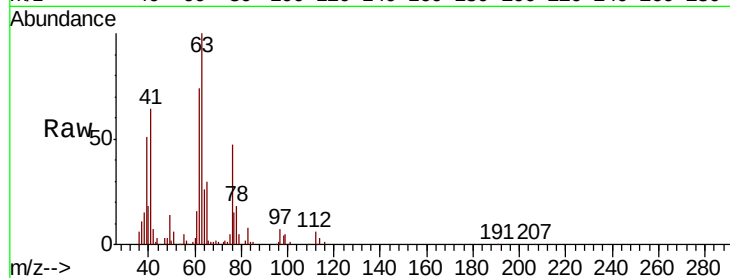
#45
 1,2-Dichloropropane
 Concen: 20.490 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.7	38.5

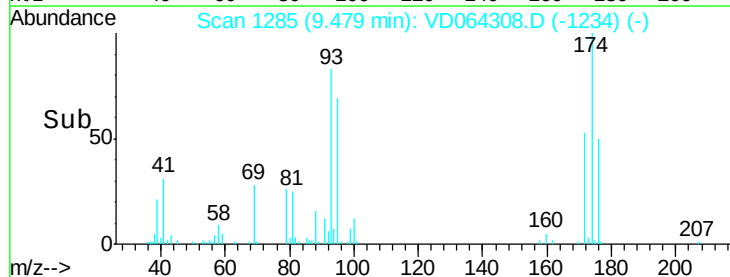
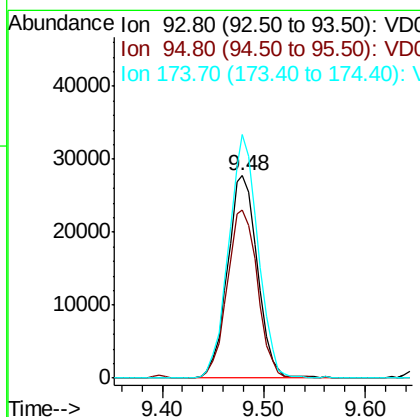
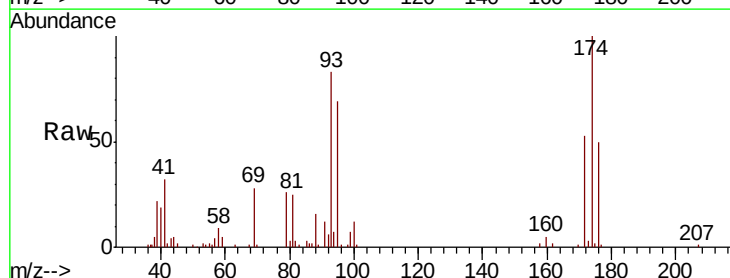
Manual Integrations
 APPROVED

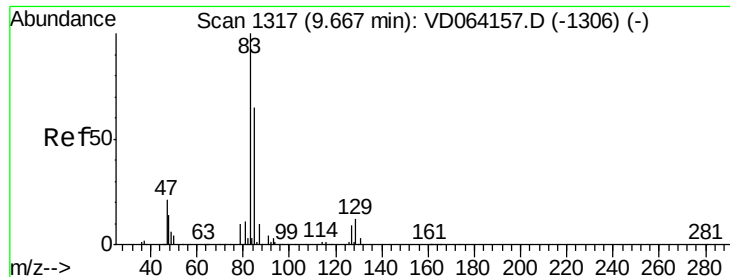
MMDadoda
 11/22/2019 12:52:15 AM



#46
 Dibromomethane
 Concen: 20.823 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.3	65.5	98.3
174	117.3	93.9	140.9





#47

Bromodichloromethane

Concen: 20.590 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

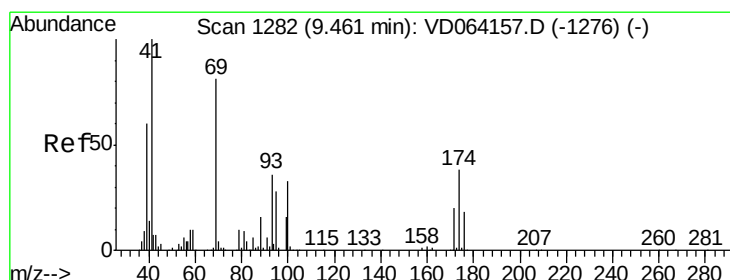
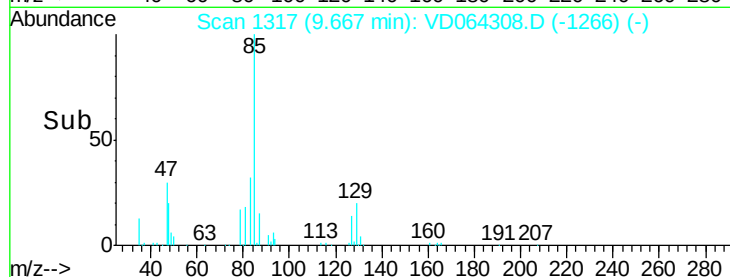
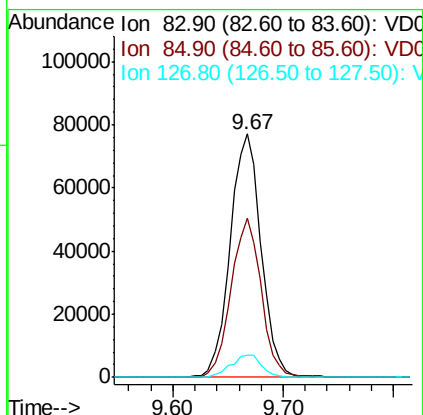
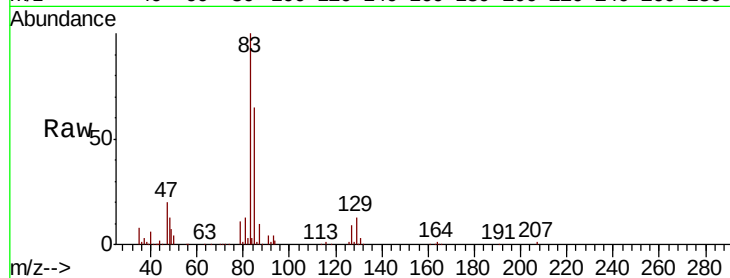
ClientSampleId :

VD1120SBS01

Tot Ion:	83	Resp:	151566
Ion	Ratio	Lower	Upper
83	100		
85	65.3	52.2	78.4
127	9.1	7.5	11.3

Manual Integrations
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MMDadoda
11/22/2019 12:52:15 AM



#48

Methyl methacrylate

Concen: 18.318 ug/l

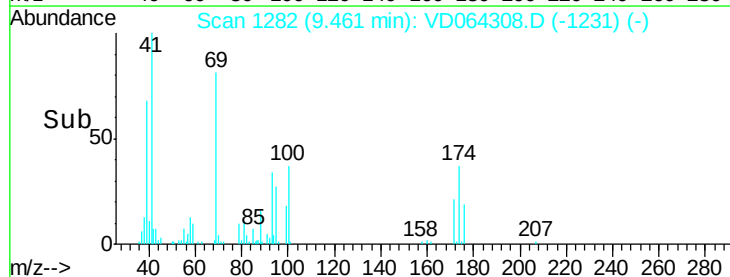
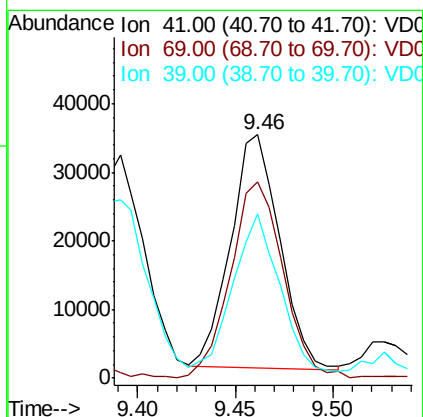
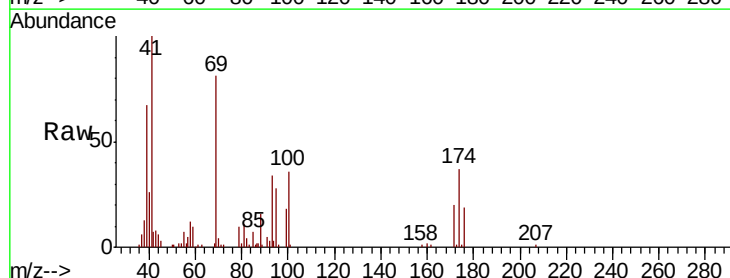
RT: 9.46 min Scan# 1282

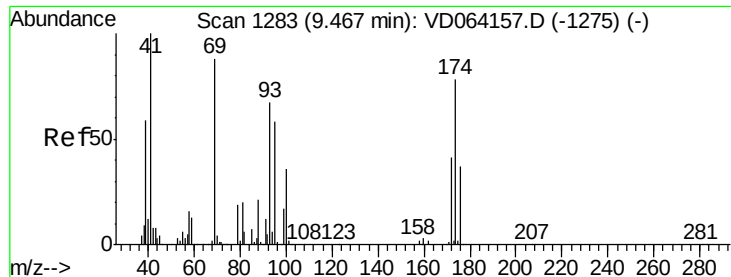
Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion:	41	Resp:	59702
Ion	Ratio	Lower	Upper
41	100		
69	89.7	64.6	97.0
39	69.4	48.2	72.2





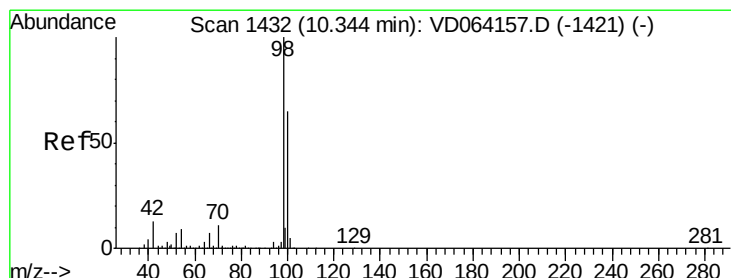
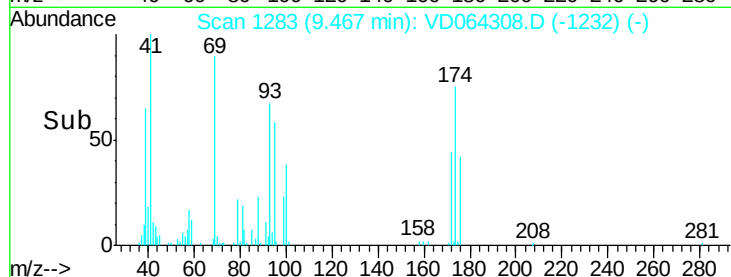
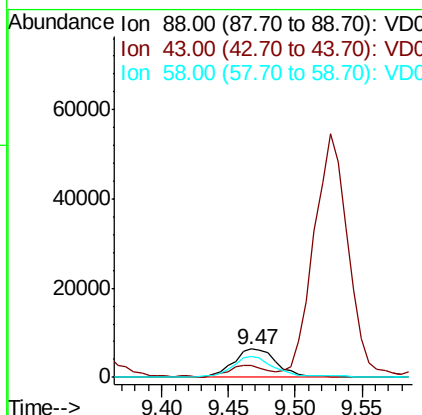
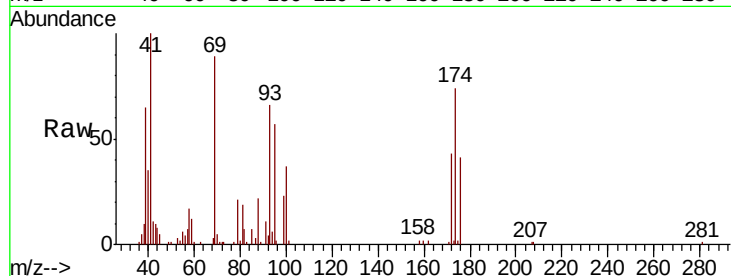
#49
1,4-Dioxane
Concen: 437.595 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	88	Resp	14362
Ion	Ratio	Lower	Upper
88	100		
43	33.5	29.8	44.8
58	70.1	58.1	87.1

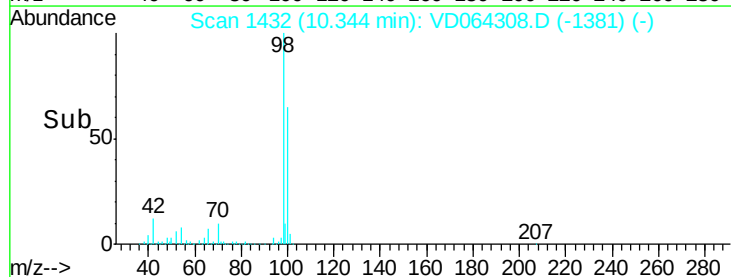
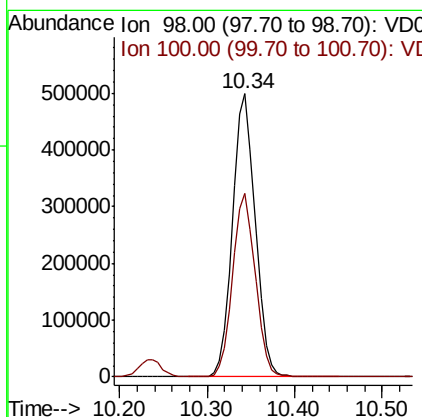
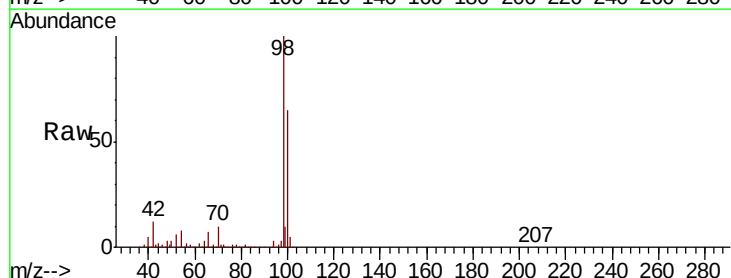
Manual Integrations
APPROVED

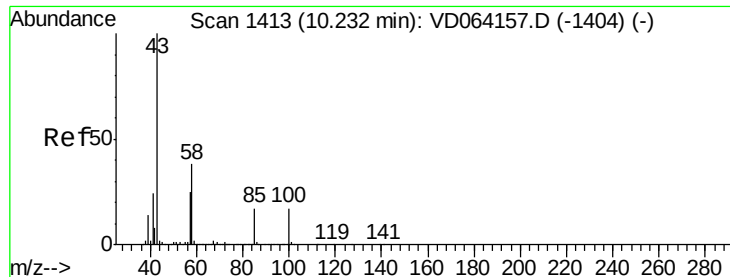
MMDadoda
11/22/2019 12:52:15 AM



#50
Toluene-d8
Concen: 48.920 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	98	Resp	880789
Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.6	78.8





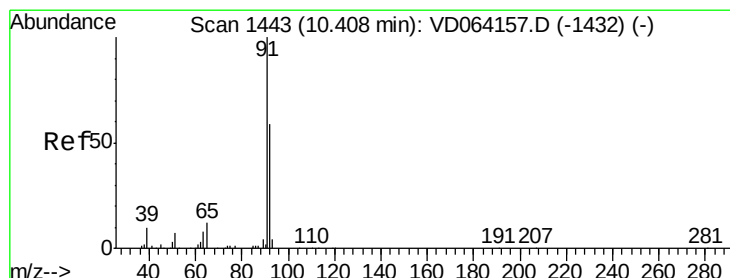
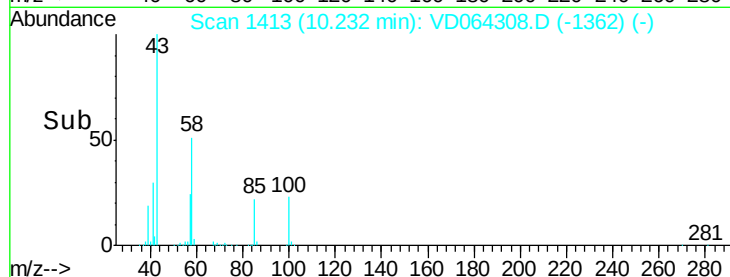
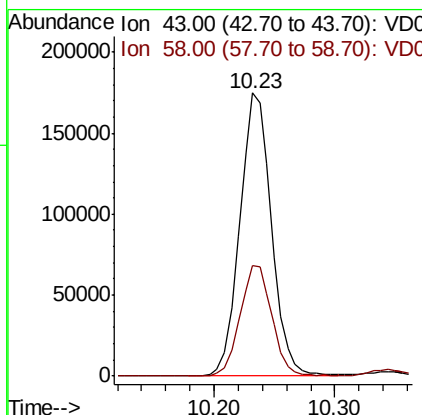
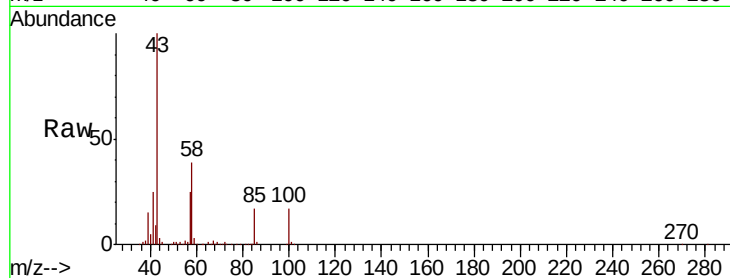
#51
4-Methyl-2-Pentanone
Concen: 100.045 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.3	30.2	45.4

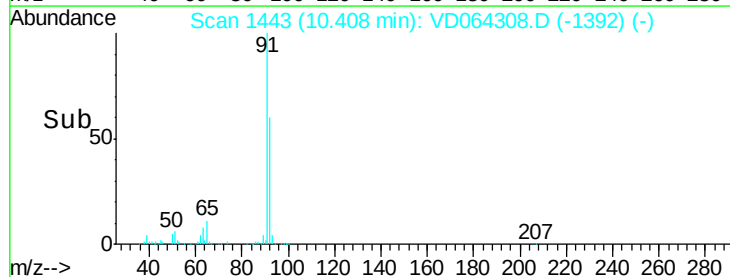
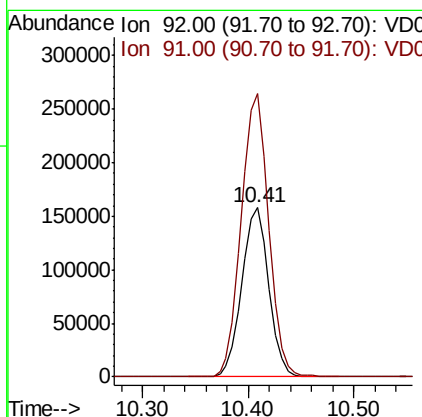
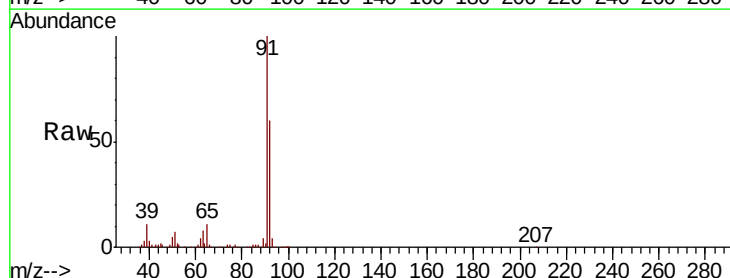
Manual Integrations
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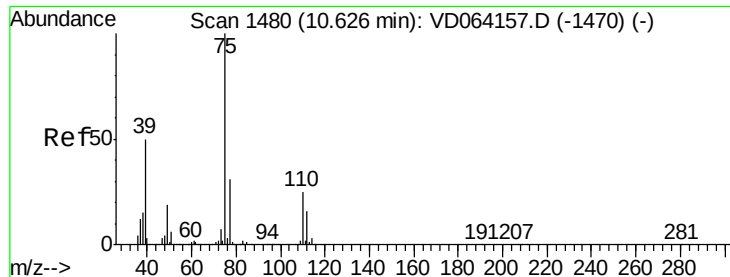
MMDadoda
11/22/2019 12:52:15 AM



#52
Toluene
Concen: 20.379 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.0	136.4	204.6





#53

t-1,3-Dichloropropene

Concen: 19.678 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 75 Resp: 145113

Ion Ratio Lower Upper

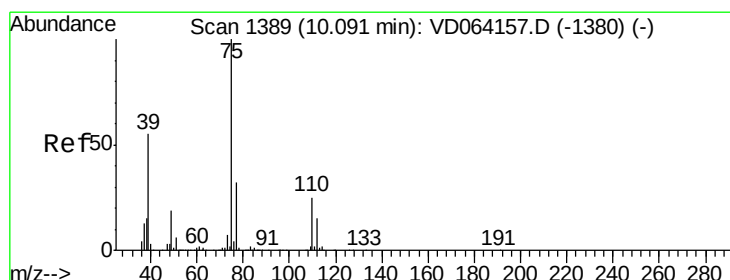
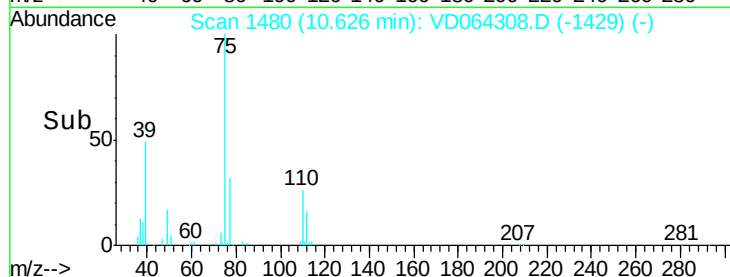
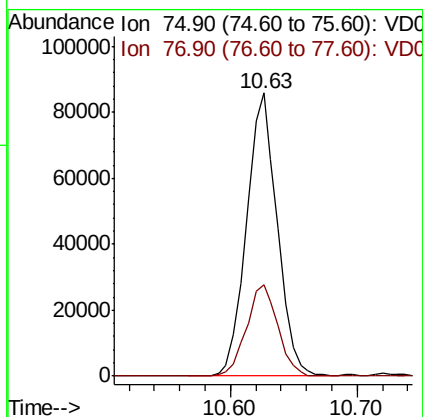
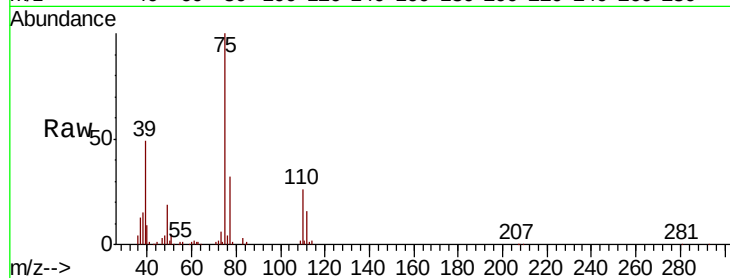
75 100

77 32.1 24.7 37.1

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11/22/2019 12:52:15 AM



#54

cis-1,3-Dichloropropene

Concen: 19.857 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

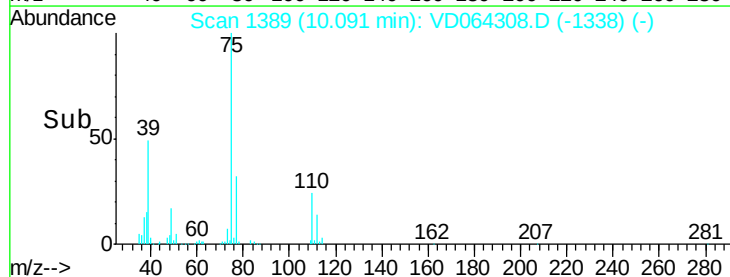
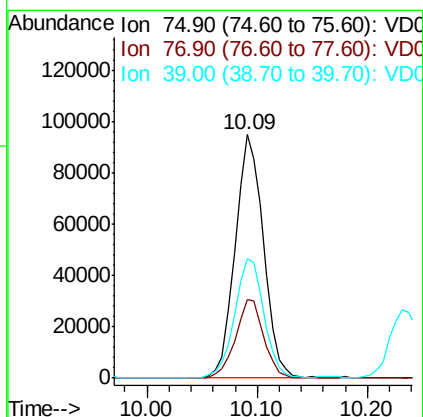
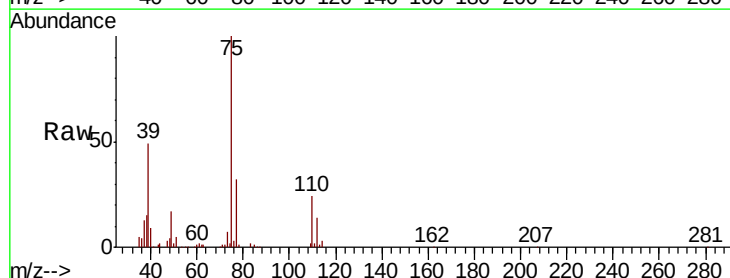
Tgt Ion: 75 Resp: 170878

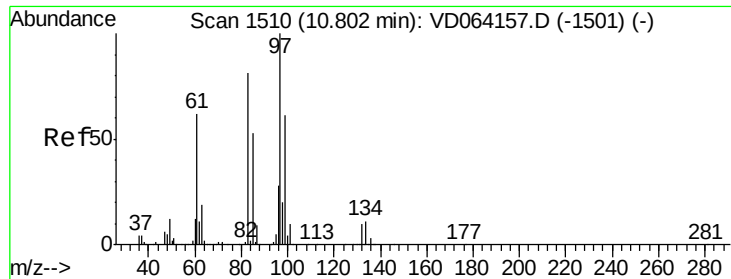
Ion Ratio Lower Upper

75 100

77 32.4 25.2 37.8

39 48.9 44.2 66.2





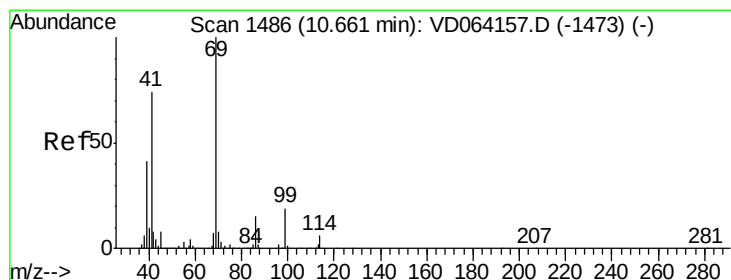
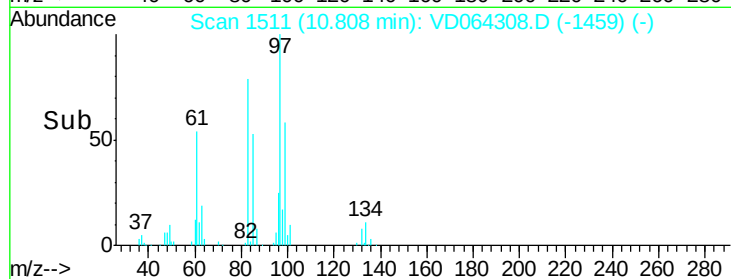
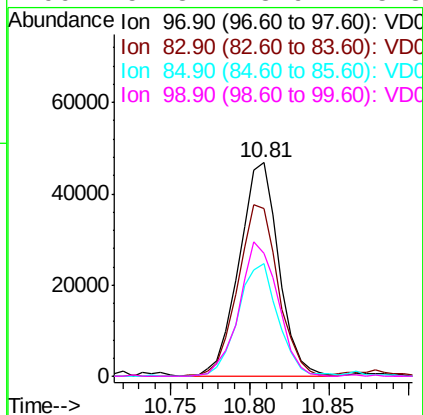
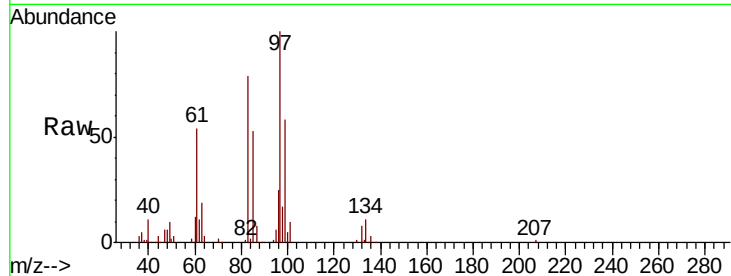
#55
 1,1,2-Trichloroethane
 Concen: 22.067 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion:	97	Resp:	81807
Ion	Ratio	Lower	Upper
97	100		
83	78.1	65.1	97.7
85	52.8	42.0	63.0
99	57.8	48.9	73.3

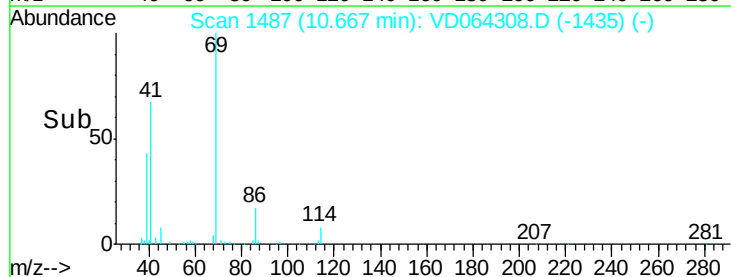
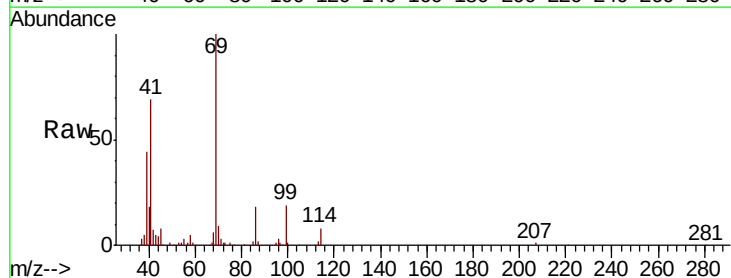
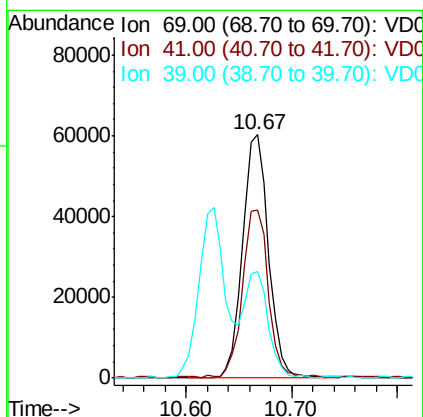
Manual Integrations
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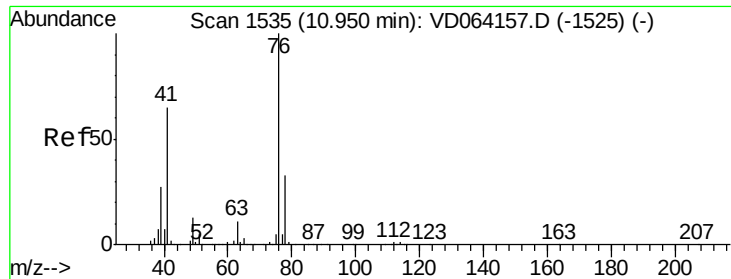
MMDadoda
 11/22/2019 12:52:15 AM



#56
 Ethyl methacrylate
 Concen: 19.774 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion:	69	Resp:	102543
Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.9	86.9
39	39.0	29.0	43.4





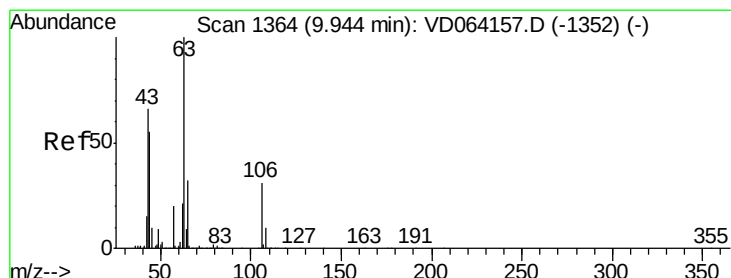
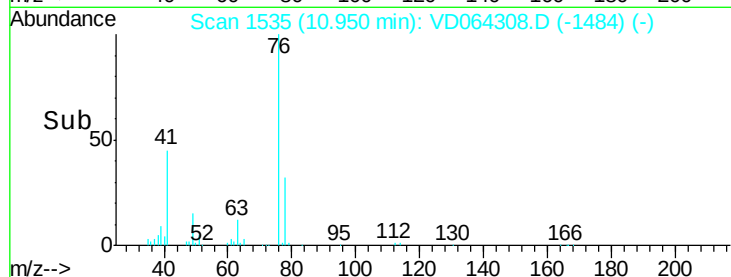
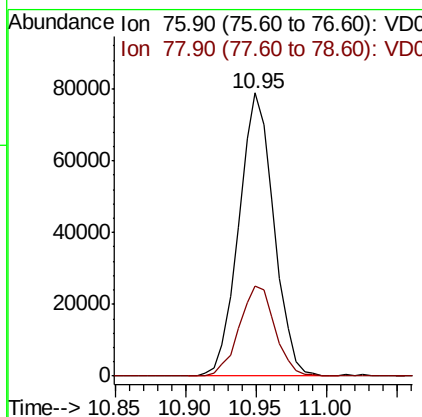
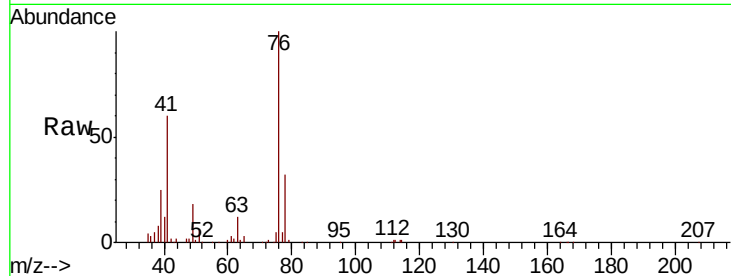
#57
 1,3-Dichloropropane
 Concen: 21.128 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.2	39.4

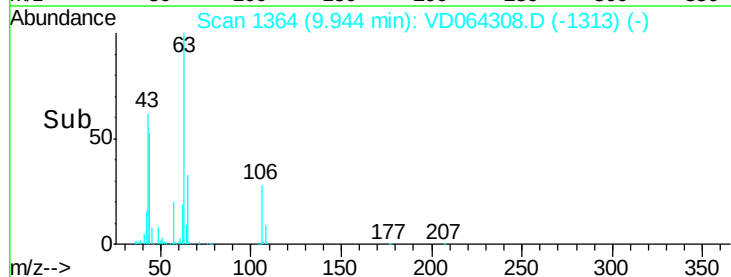
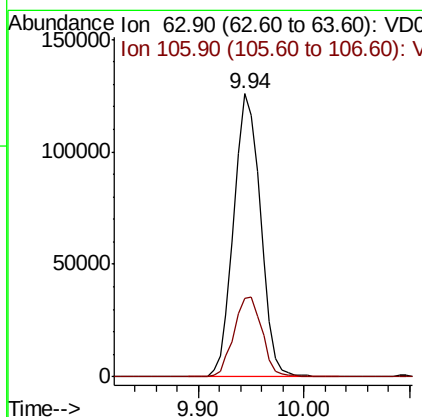
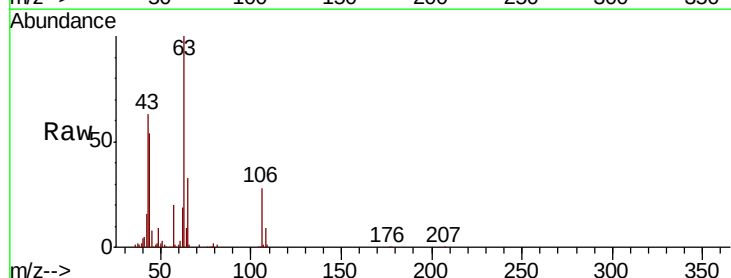
Manual Integrations
 APPROVED

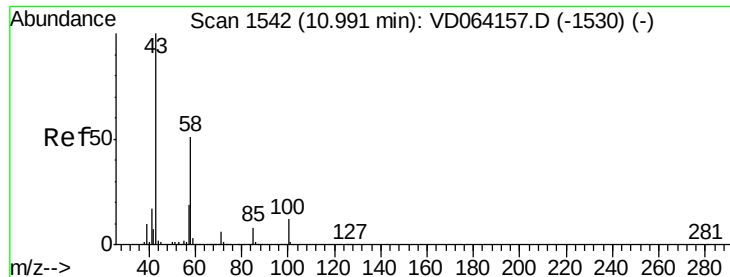
MMDadoda
 11/22/2019 12:52:15 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 105.200 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.9	24.1	36.1





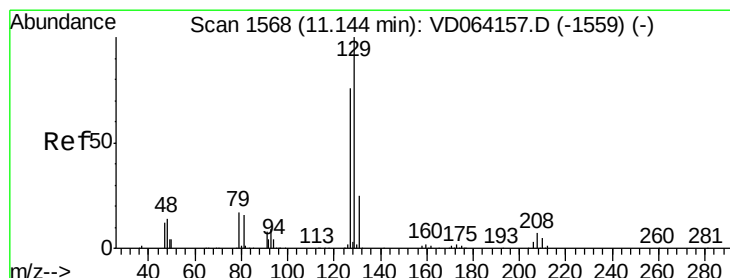
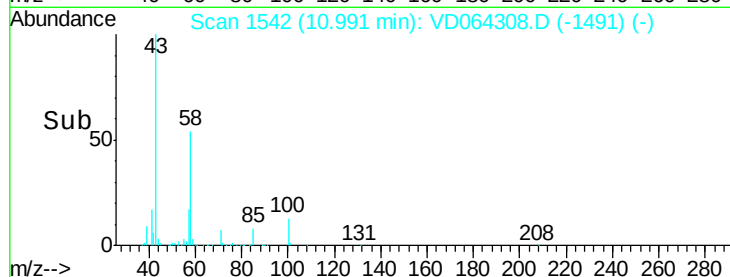
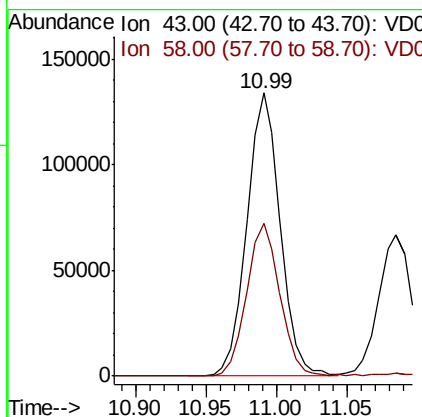
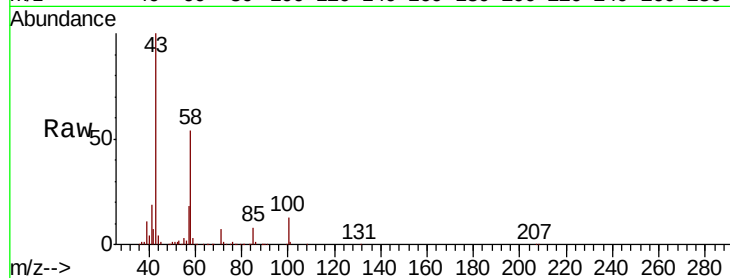
#59
2-Hexanone
Concen: 96.618 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	25.9	77.7

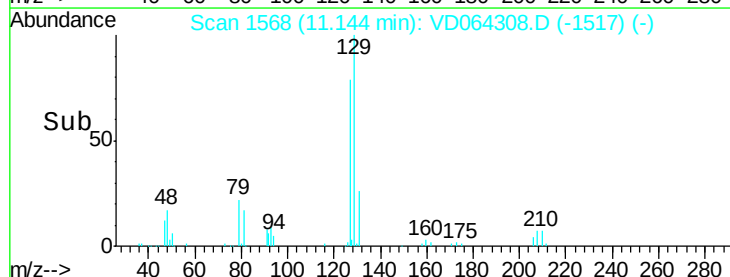
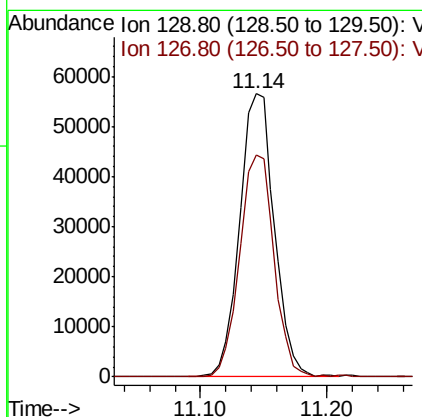
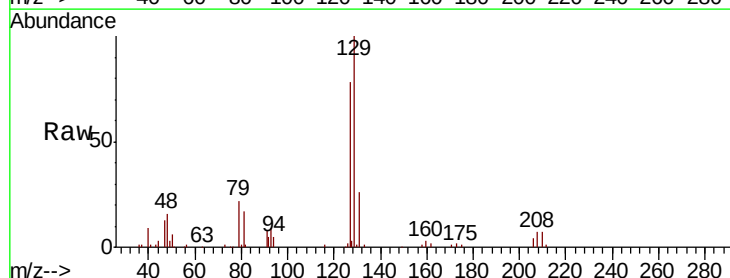
Manual Integrations
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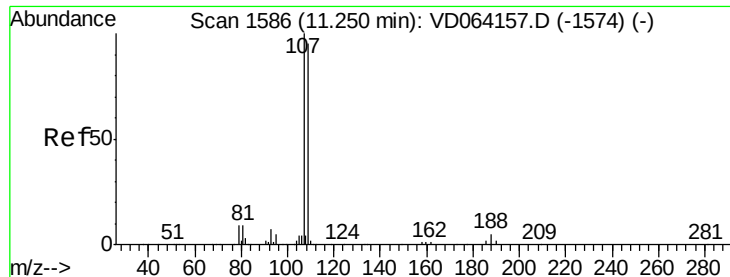
MMDadoda
11/22/2019 12:52:15 AM



#60
Dibromochloromethane
Concen: 20.773 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8





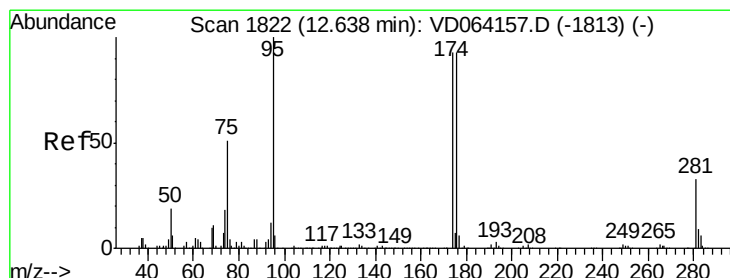
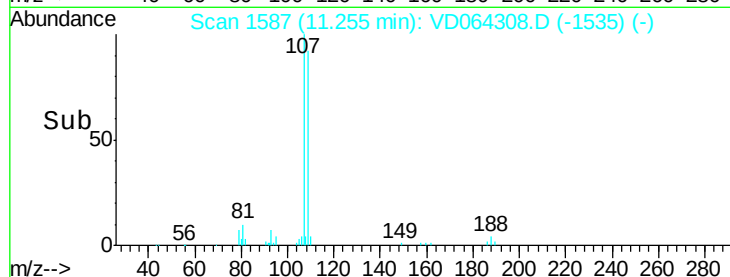
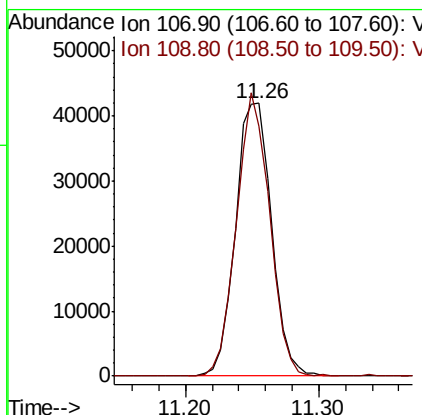
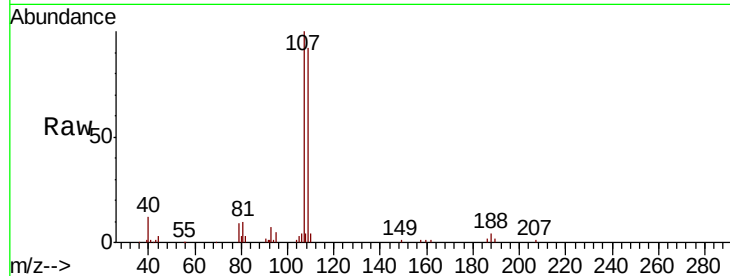
#61
 1,2-Dibromoethane
 Concen: 21.143 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.3	75.1	112.7

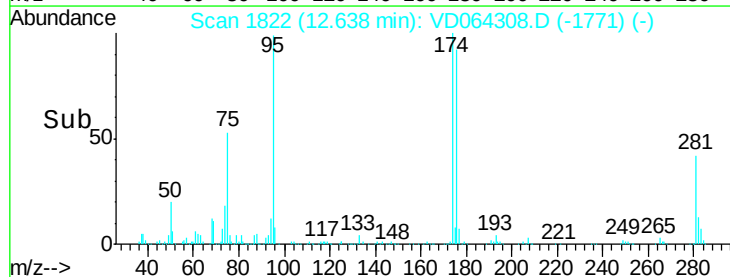
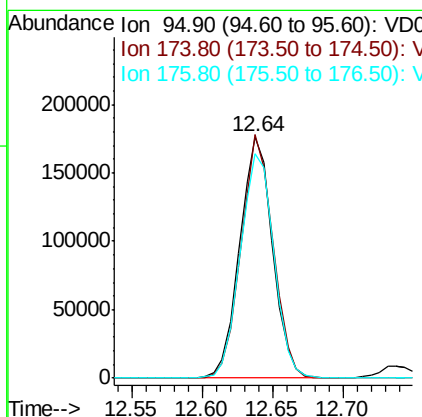
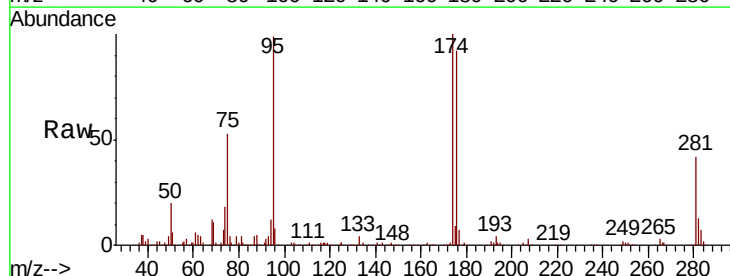
Manual Integrations
 APPROVED

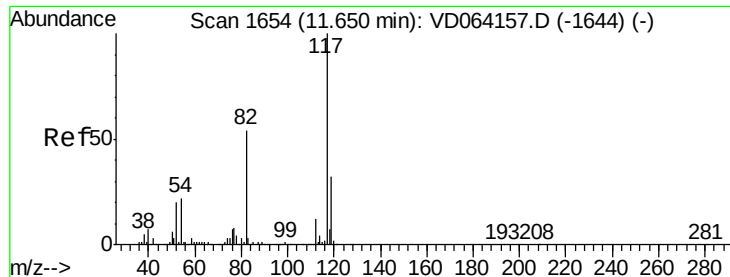
MMDadoda
 11/22/2019 12:52:15 AM



#62
 4-Bromofluorobenzene
 Concen: 45.902 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.3	0.0	183.6
176	95.5	0.0	180.2





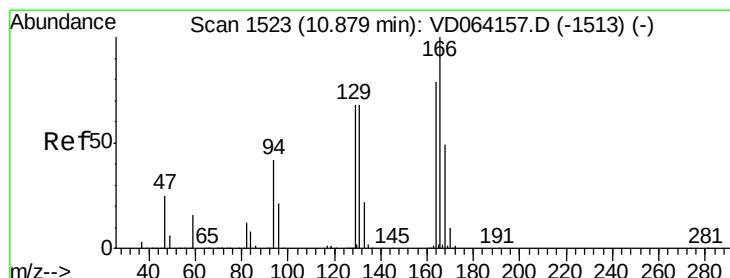
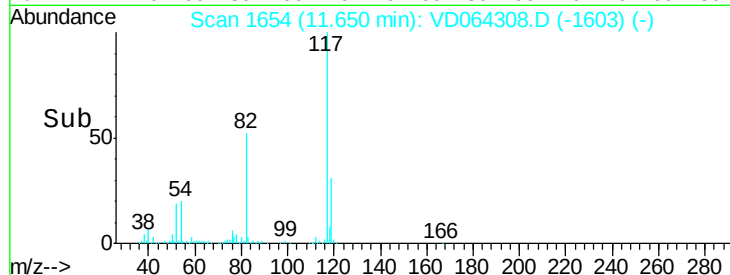
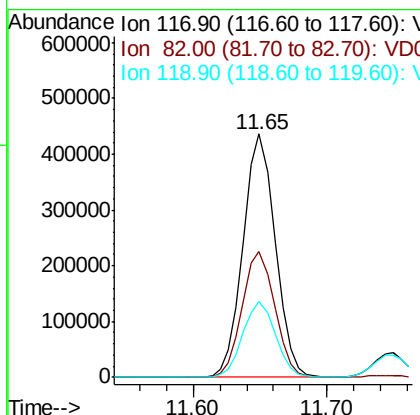
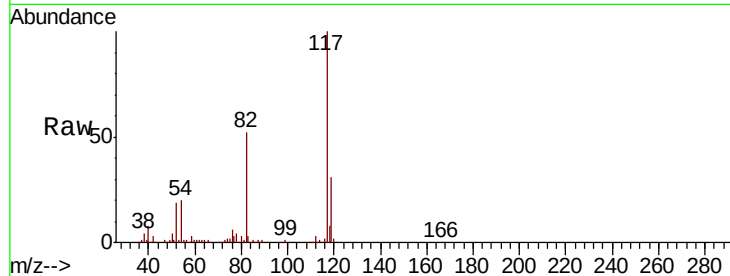
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	730170		
82	51.8		42.8	64.2
119	31.4		25.6	38.4

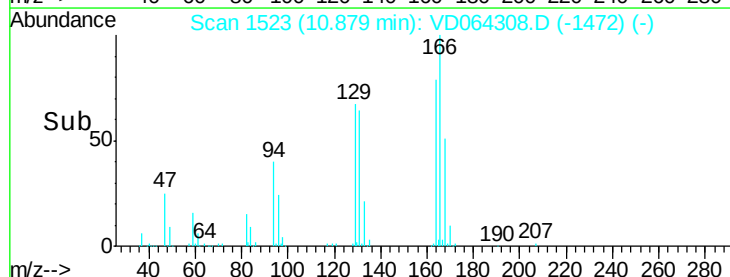
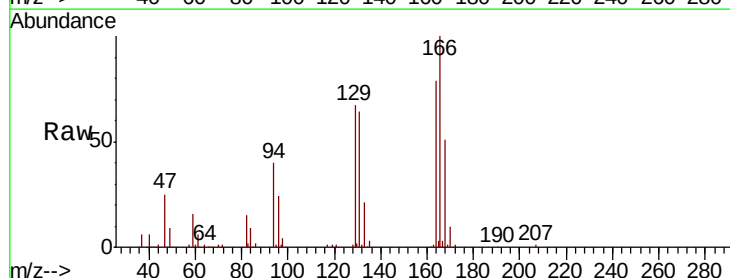
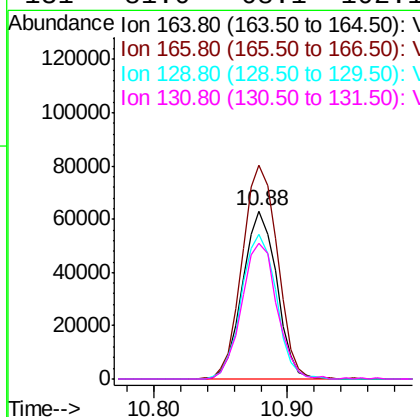
Manual Integrations
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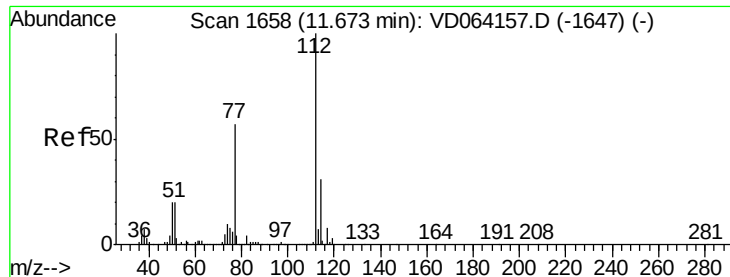
MMDadoda
11/22/2019 12:52:15 AM



#64
Tetrachloroethene
Concen: 19.852 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	111482		
166	127.0		100.8	151.2
129	85.7		68.7	103.1
131	81.0		68.1	102.1





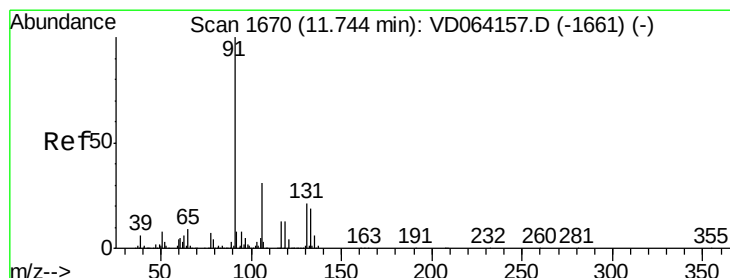
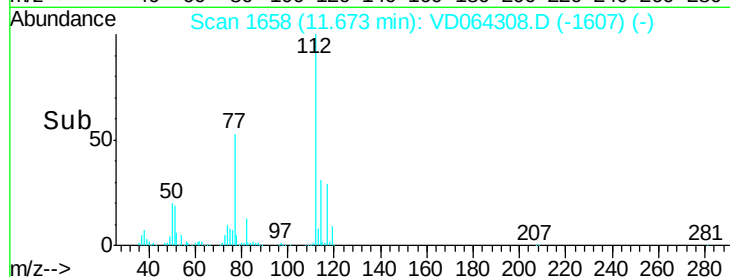
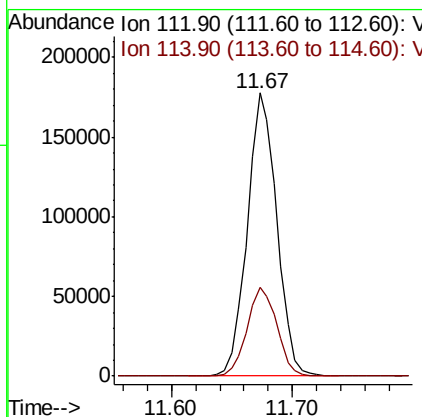
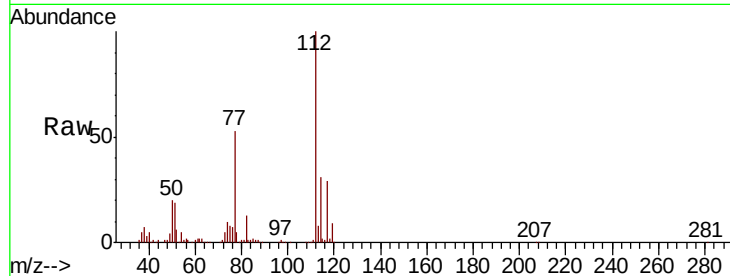
#65
Chlorobenzene
Concen: 20.374 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.3	25.2	37.8

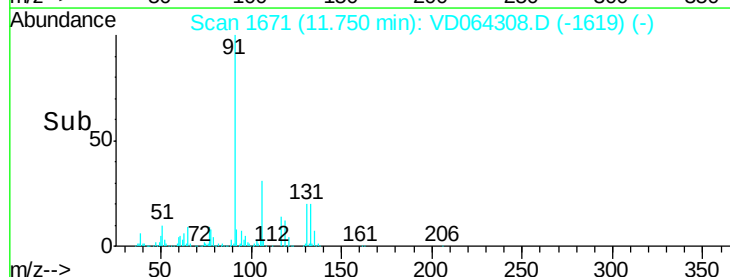
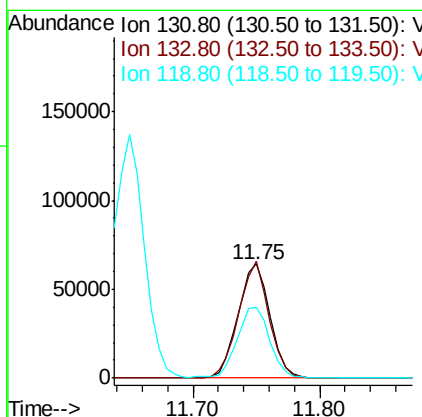
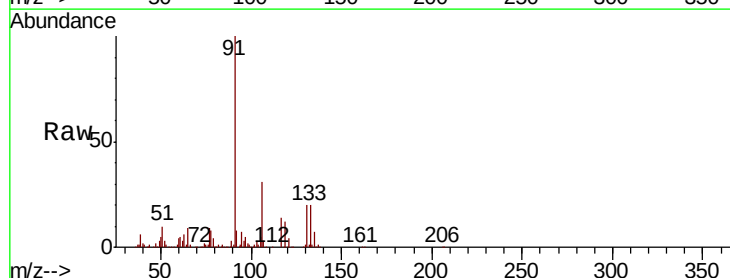
Manual Integrations
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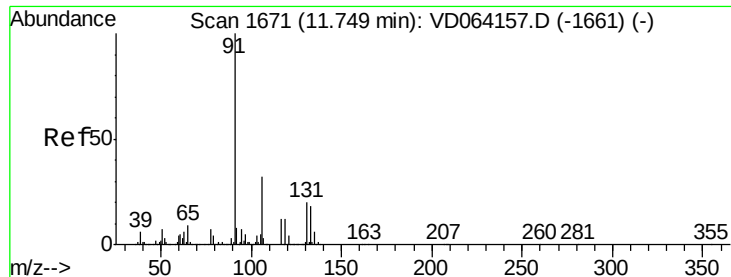
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.795 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.3	141.9
119	63.5	31.1	93.3





#67

Ethyl Benzene

Concen: 19.930 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 91 Resp: 535278

Ion Ratio Lower Upper

91 100

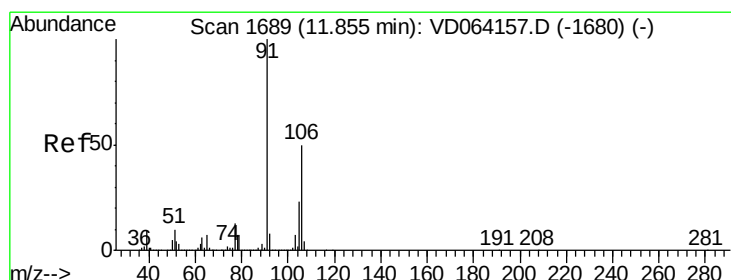
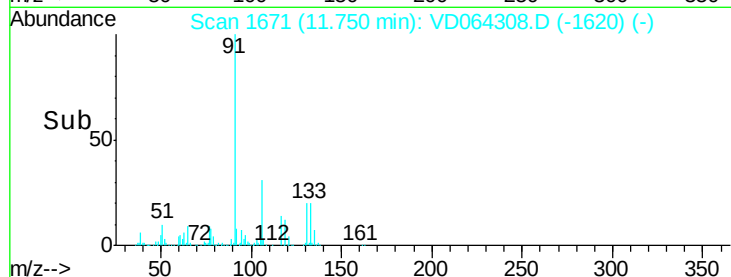
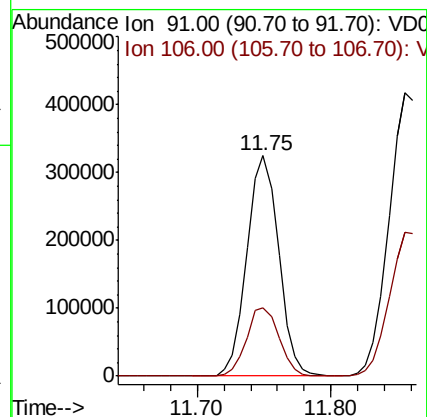
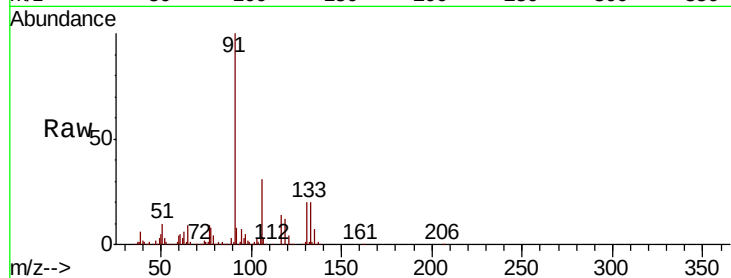
106 31.0 25.5 38.3

Manual Integrations

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#68

m/p-Xylenes

Concen: 40.036 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064308.D

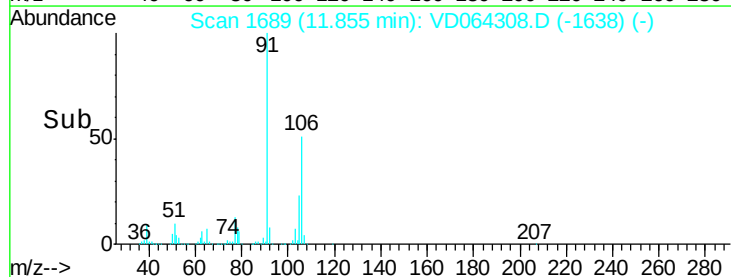
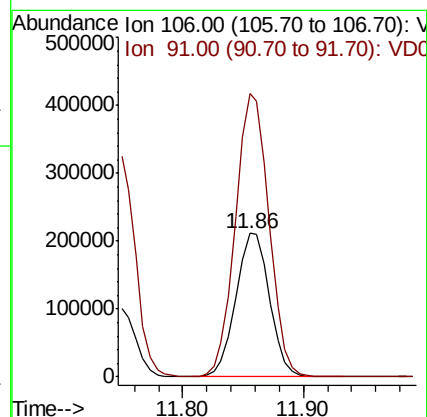
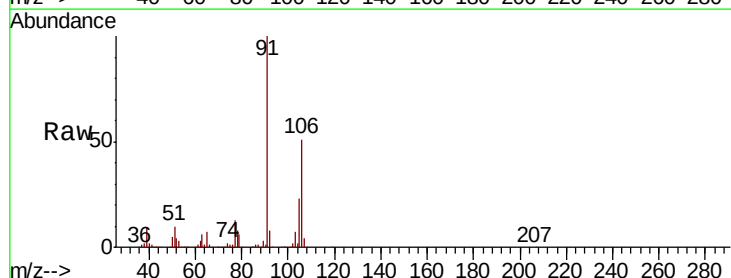
Acq: 20 Nov 2019 12:41

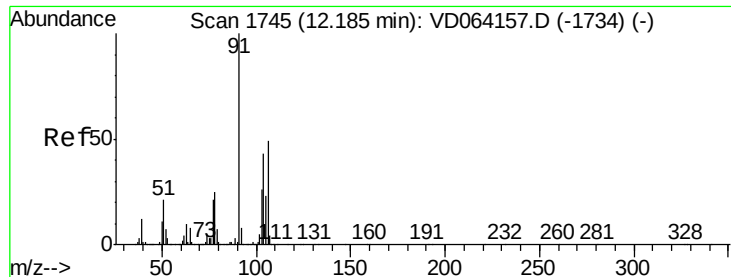
Tgt Ion: 106 Resp: 412150

Ion Ratio Lower Upper

106 100

91 196.2 160.3 240.5





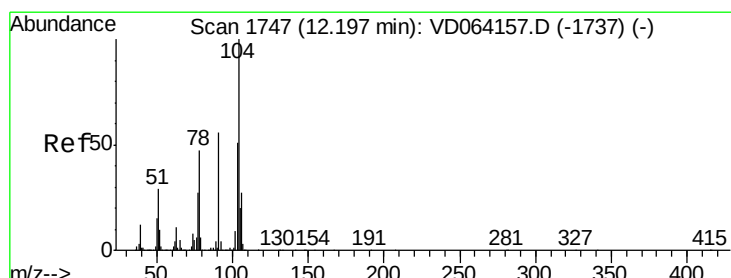
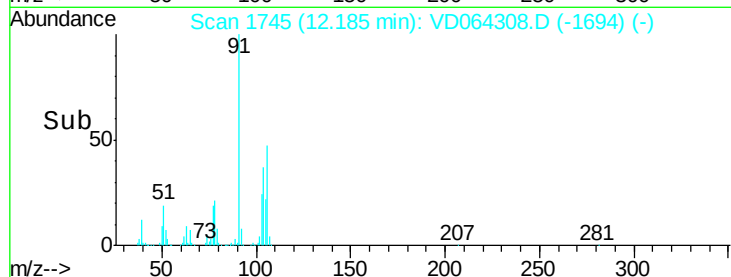
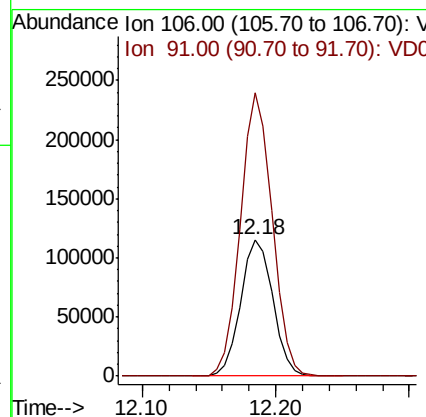
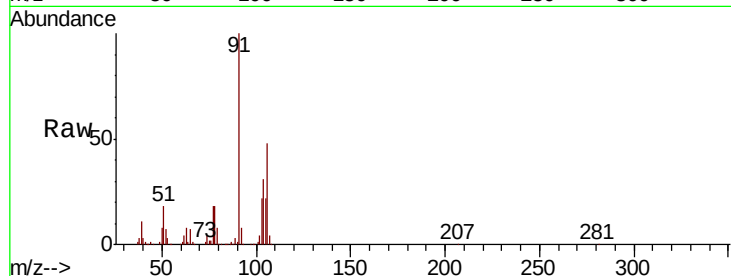
#69
o-Xylene
Concen: 20.194 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	204.3	105.1	315.3

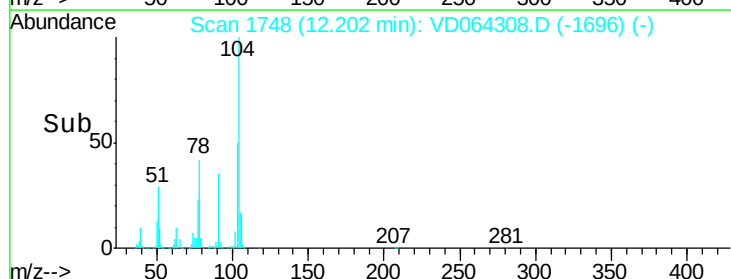
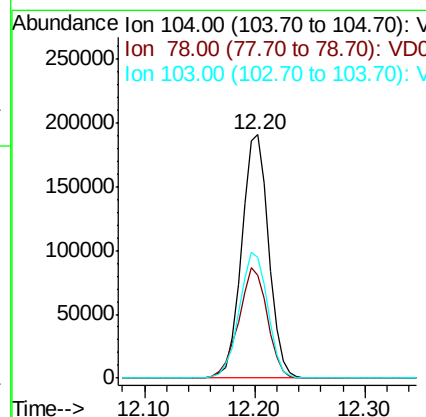
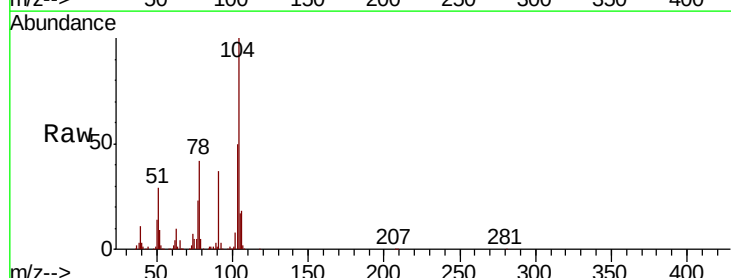
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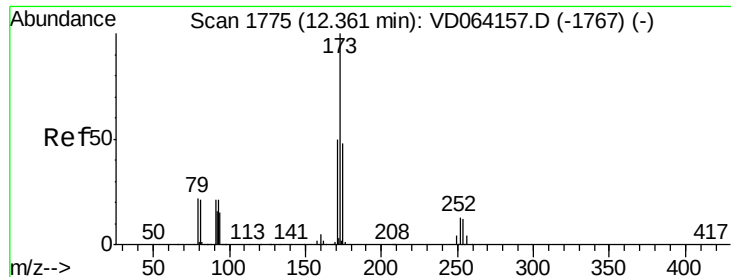
MMDadoda
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#70
Styrene
Concen: 19.652 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.3	39.9	59.9
103	54.7	43.4	65.0





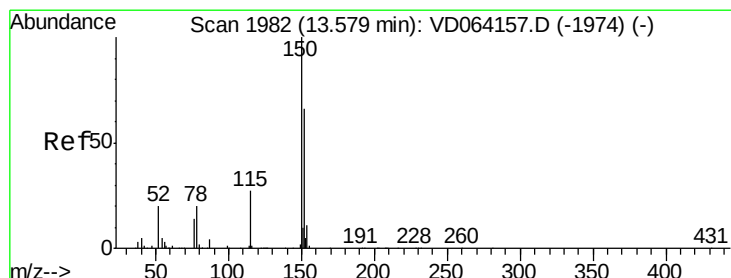
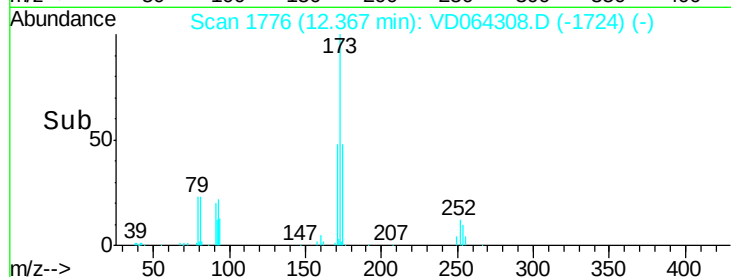
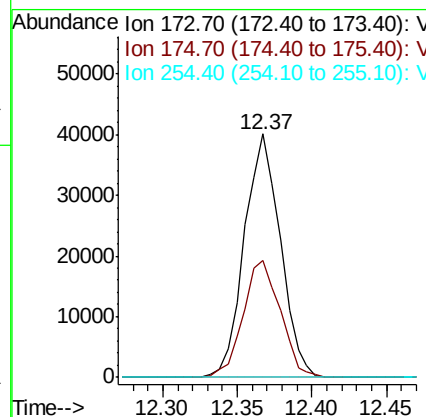
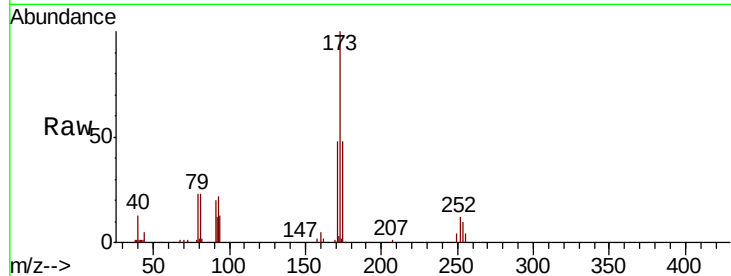
#71
Bromoform
Concen: 20.891 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.1	72.3
254	0.0	0.2	0.2

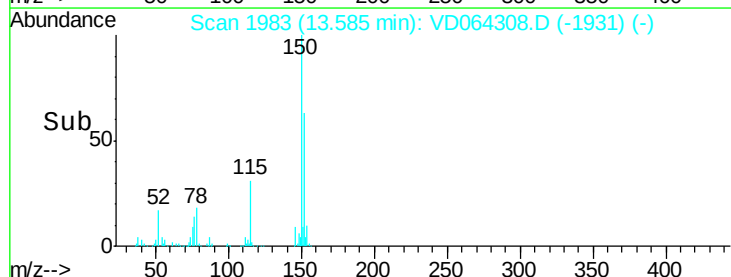
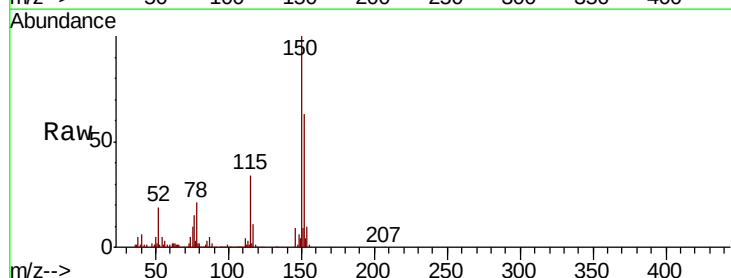
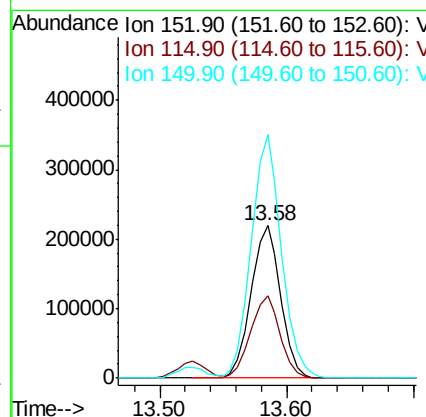
Manual Integrations
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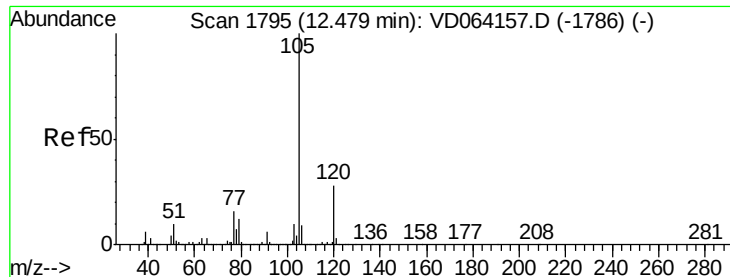
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.4	82.2
150	163.7	0.0	351.6





#73

Isopropylbenzene

Concen: 20.228 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 105 Resp: 527315

Ion Ratio Lower Upper

105 100

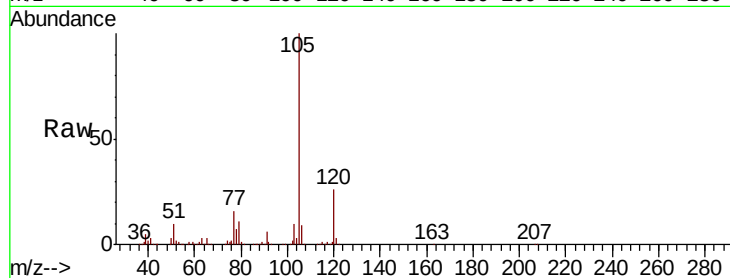
120 26.9 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

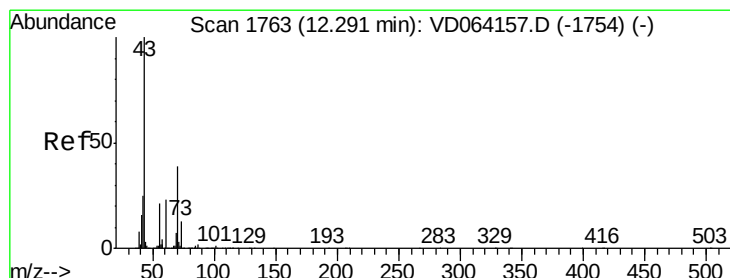
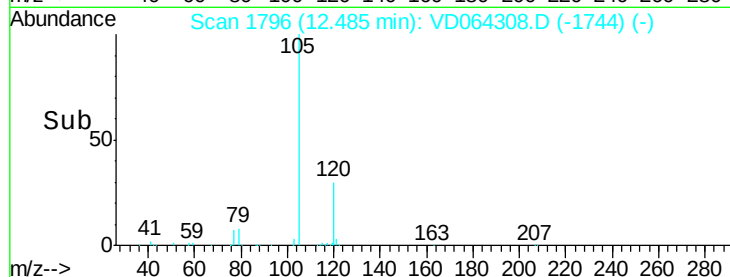
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.808 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion: 43 Resp: 115782

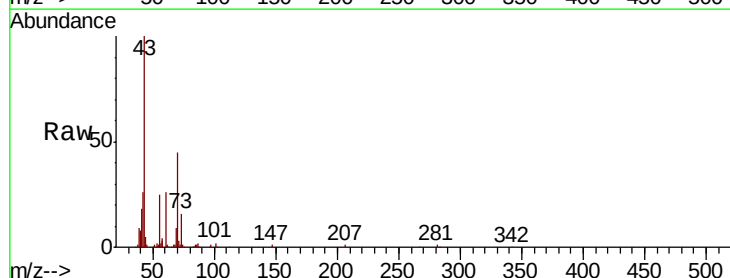
Ion Ratio Lower Upper

43 100

70 42.1 32.4 48.6

55 23.7 17.9 26.9

61 24.3 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

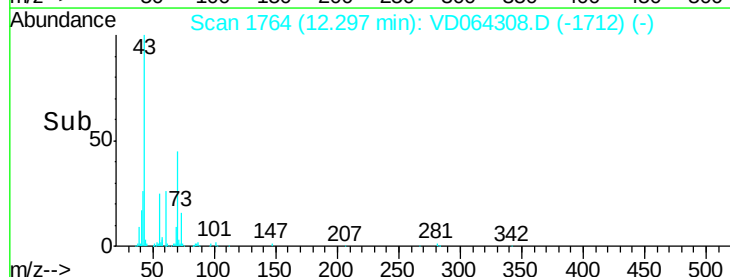
60000

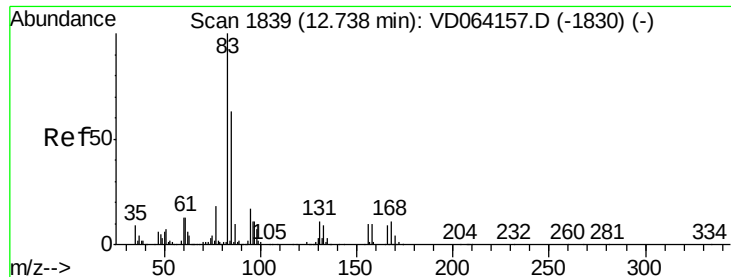
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.494 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

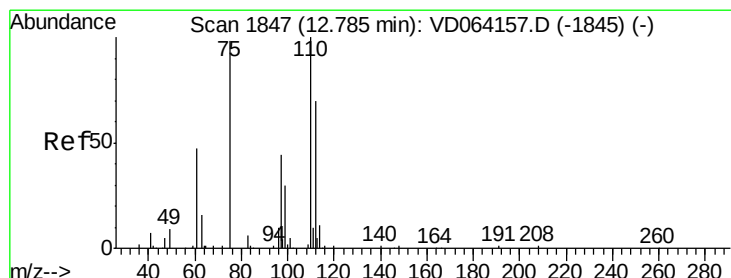
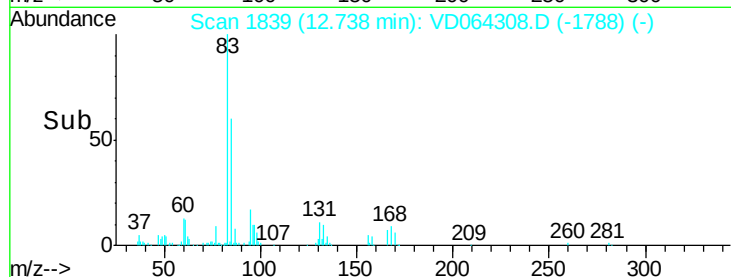
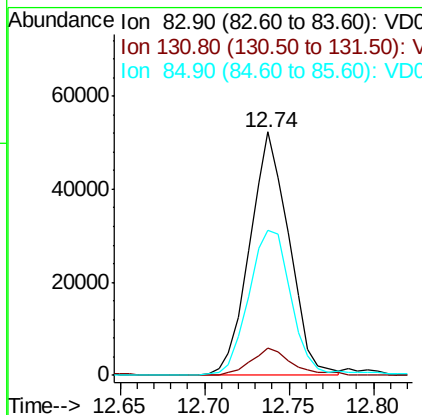
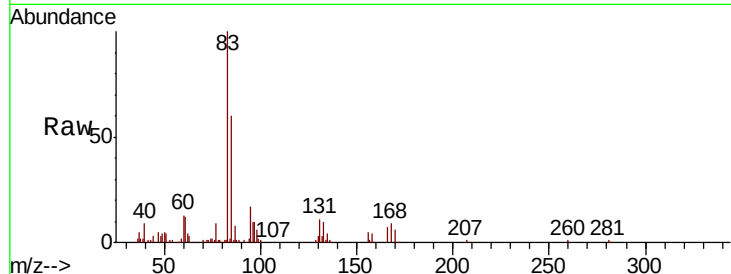
ClientSampleId :

VD1120SBS01

Tot Ion:	83	Resp:	84427
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.9	17.7
85	66.3	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 24.319 ug/l m

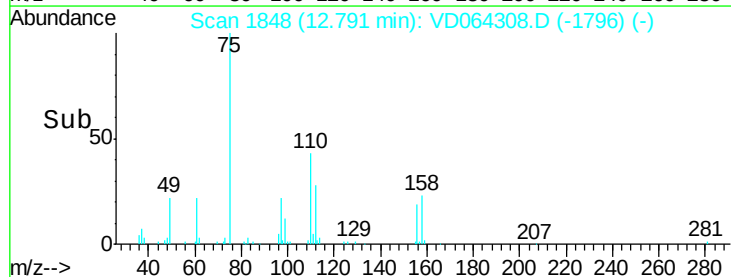
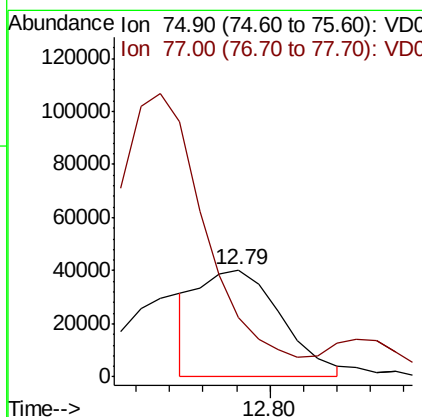
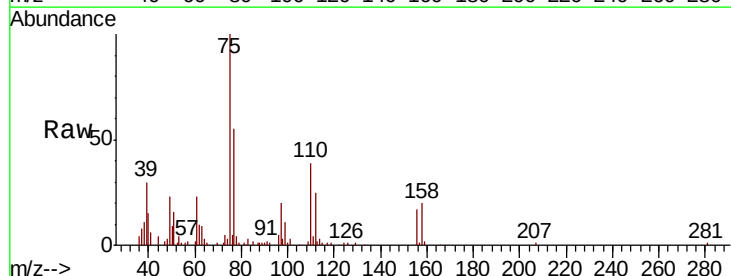
RT: 12.79 min Scan# 1848

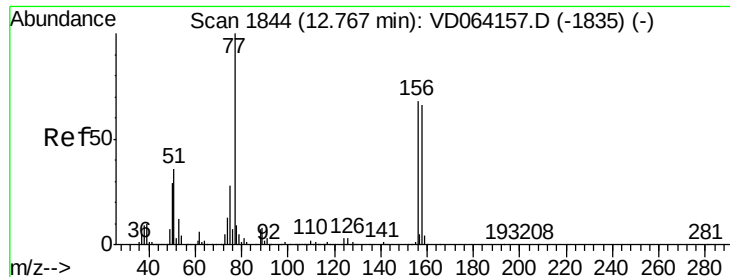
Delta R.T. 0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion:	75	Resp:	69568
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.253 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

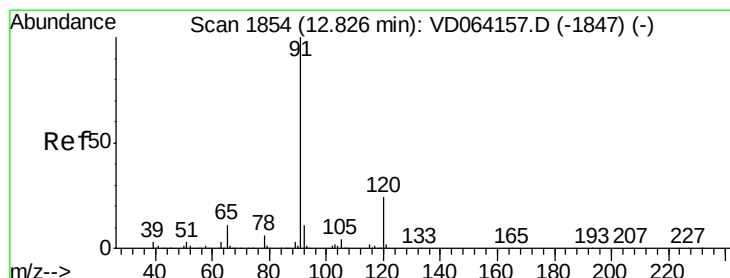
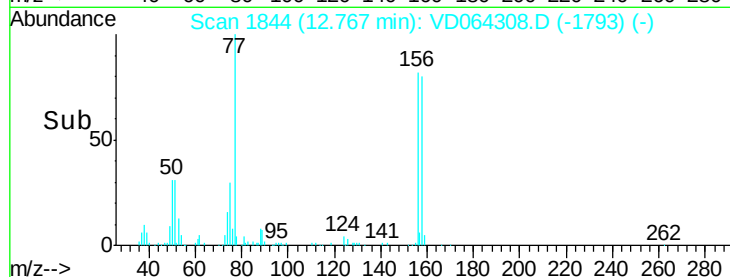
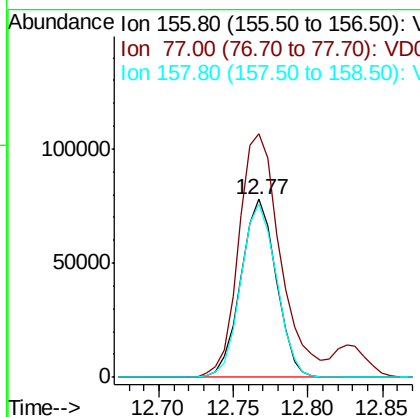
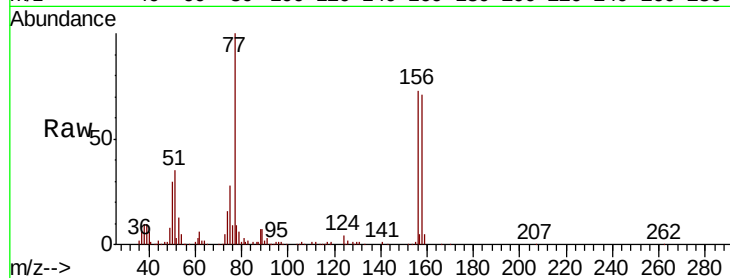
ClientSampleId :

VD1120SBS01

Tot Ion:	156	Resp:	128265
Ion Ratio	Lower	Upper	
156	100		
77	160.6	81.2	243.4
158	98.2	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 19.903 ug/l

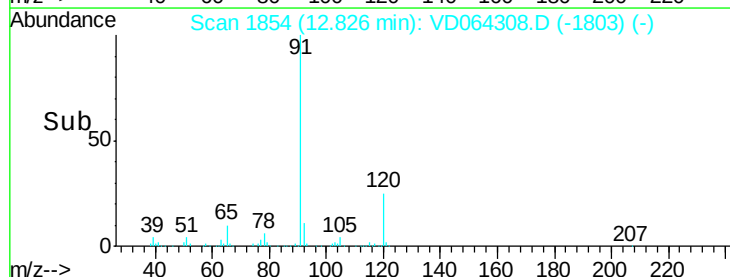
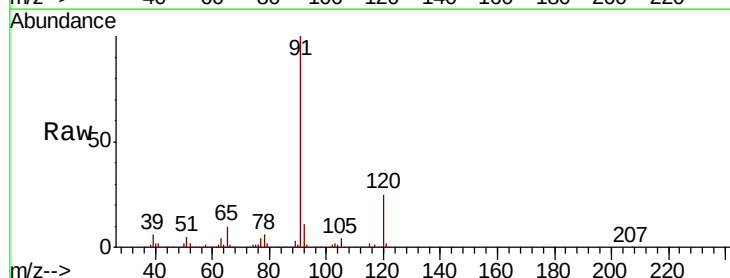
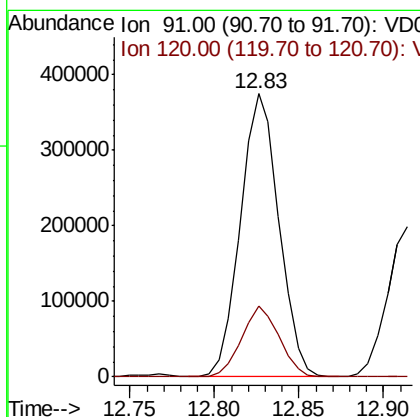
RT: 12.83 min Scan# 1854

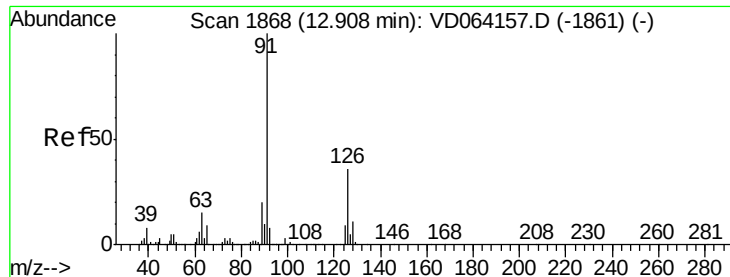
Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion:	91	Resp:	592776
Ion Ratio	Lower	Upper	
91	100		
120	24.5	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.517 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion: 91 Resp: 328171

Ion Ratio Lower Upper

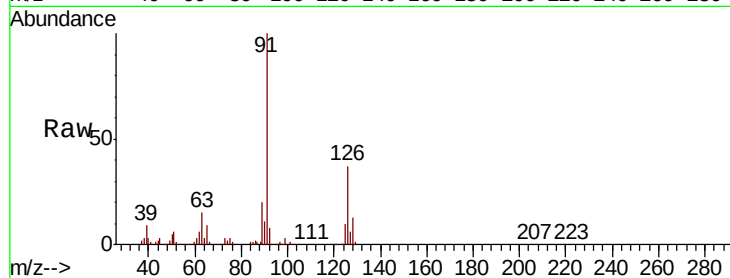
91 100

126 36.5 17.7 53.1

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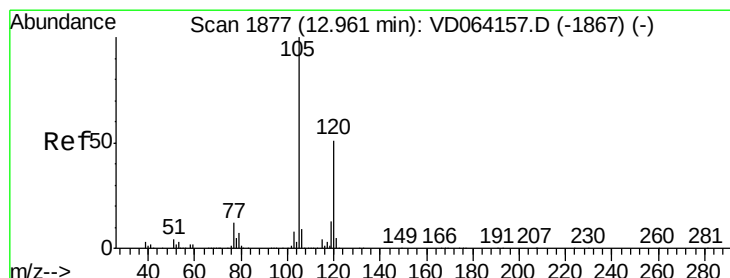
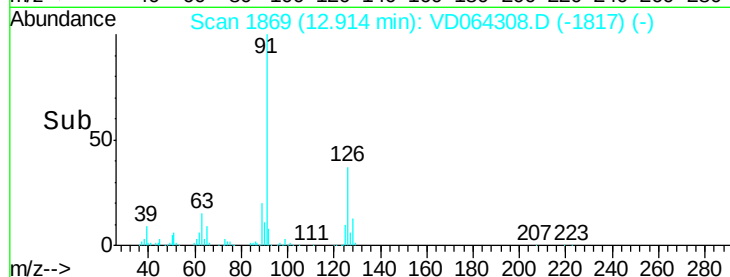
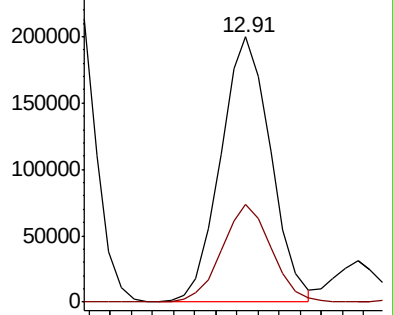
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Abundance Ion 91.00 (90.70 to 91.70): VD064157.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD064157.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 19.557 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064308.D

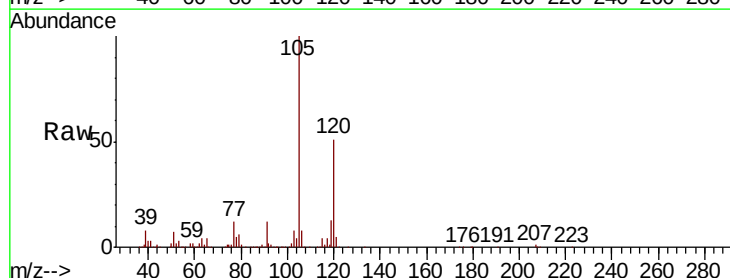
Acq: 20 Nov 2019 12:41

Tgt Ion: 105 Resp: 418921

Ion Ratio Lower Upper

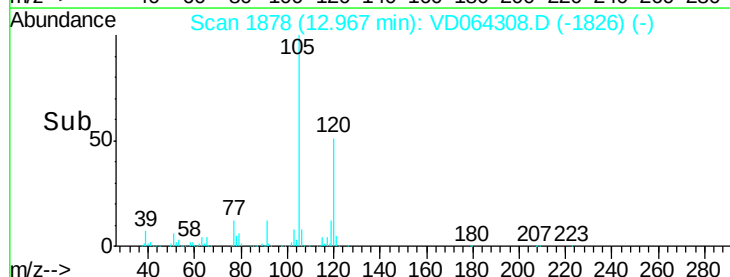
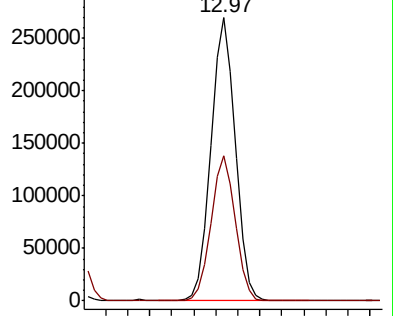
105 100

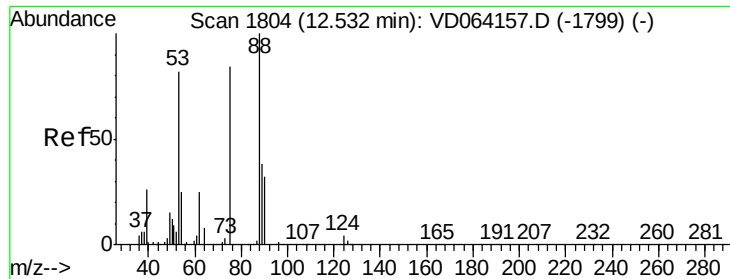
120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): VD064157.D (-1867) (-)

Ion 120.00 (119.70 to 120.70): VD064157.D (-1867) (-)





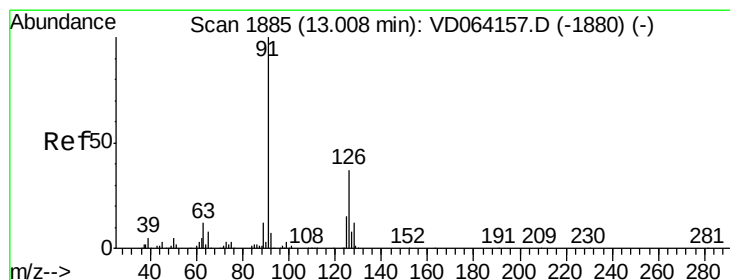
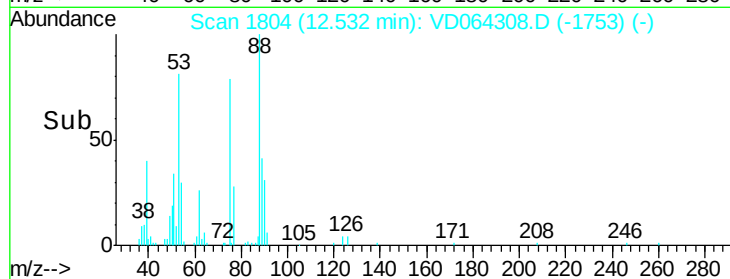
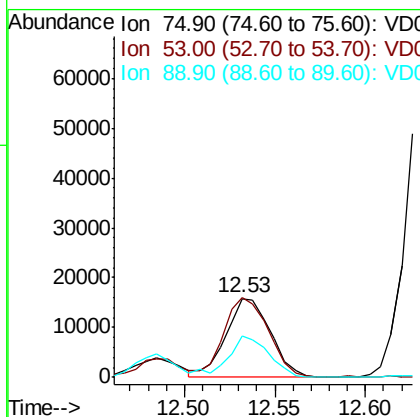
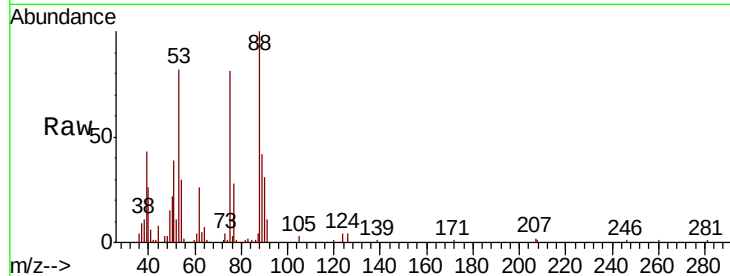
#81
trans-1,4-Dichloro-2-butene
Concen: 18.892 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	79.4	119.0
89	44.9	36.6	55.0

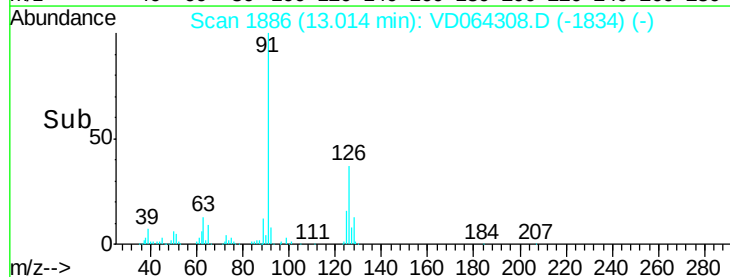
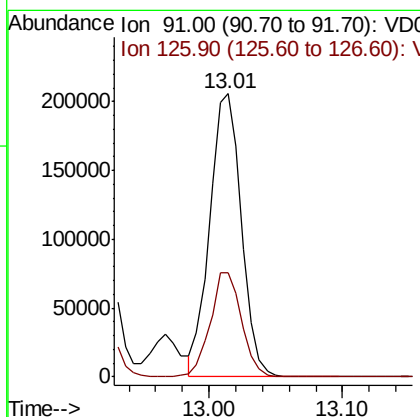
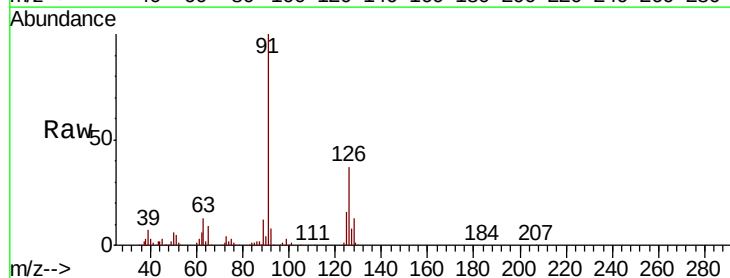
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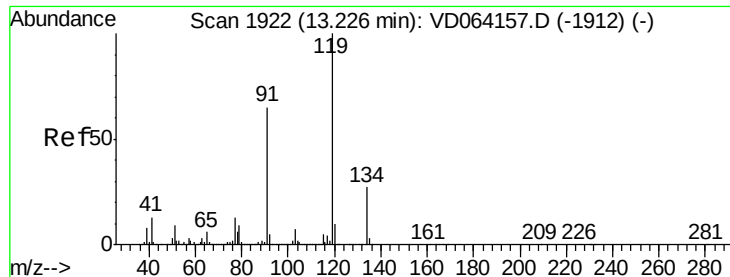
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#82
4-Chlorotoluene
Concen: 19.520 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.8	53.4





#83

tert-Butylbenzene

Concen: 19.877 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

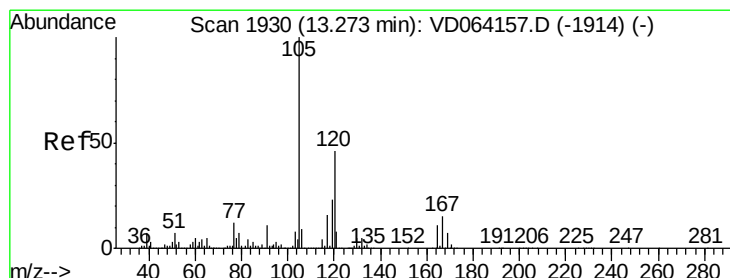
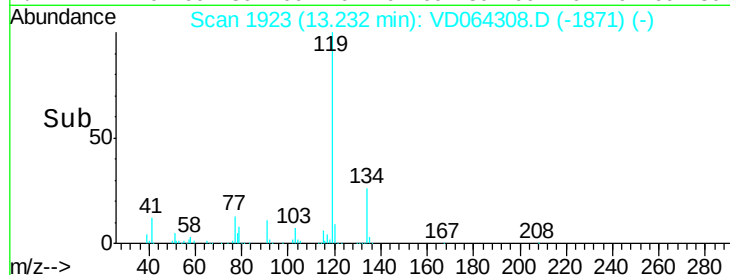
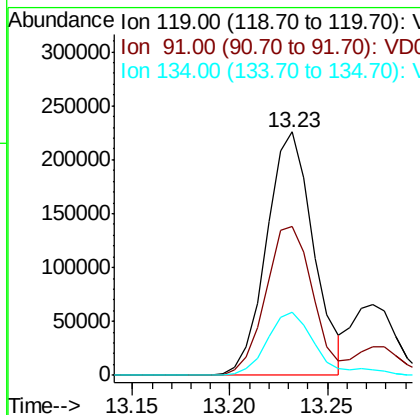
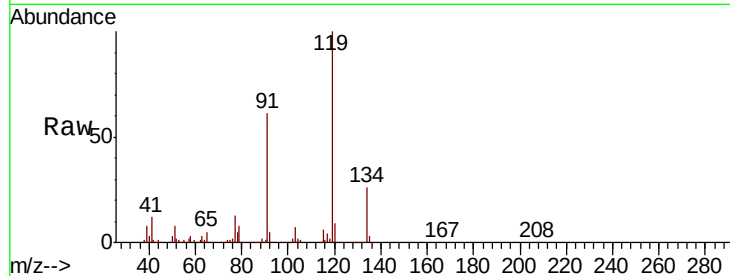
ClientSampleId :

VD1120SBS01

Tot Ion:	119	Resp:	375439
Ion Ratio	Lower	Upper	
119	100		
91	61.3	31.8	95.4
134	27.6	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 19.721 ug/l

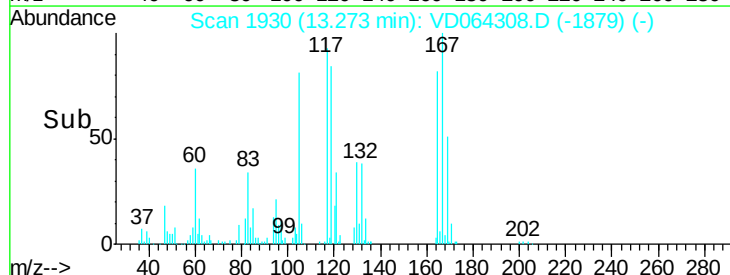
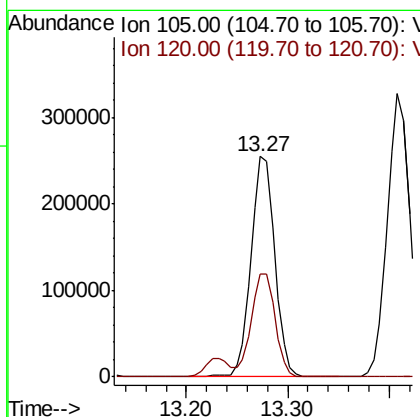
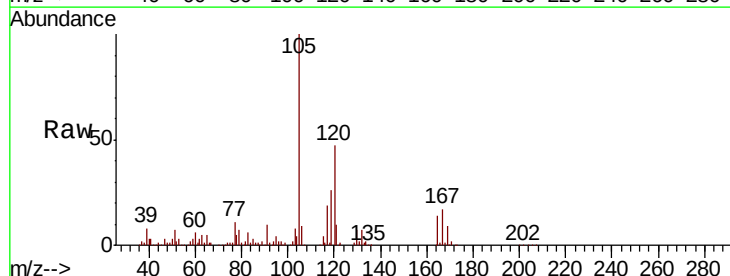
RT: 13.27 min Scan# 1930

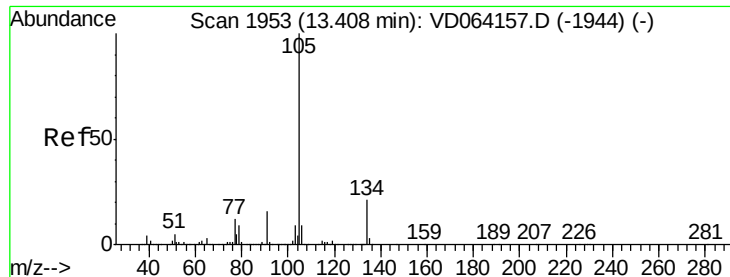
Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Tgt Ion:	105	Resp:	417045
Ion Ratio	Lower	Upper	
105	100		
120	46.7	23.3	69.8





#85

sec-Butylbenzene

Concen: 20.047 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

Instrument :

MSVOA_D

ClientSampleId :

VD1120SBS01

Tot Ion:105 Resp: 508542

Ion Ratio Lower Upper

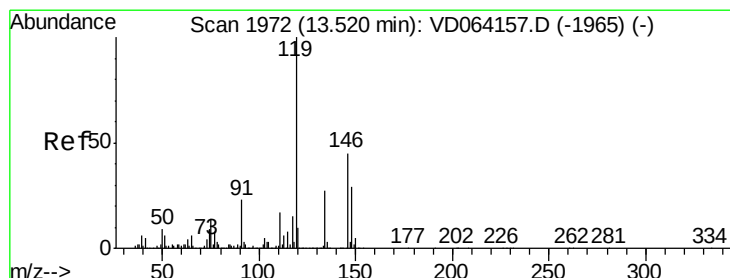
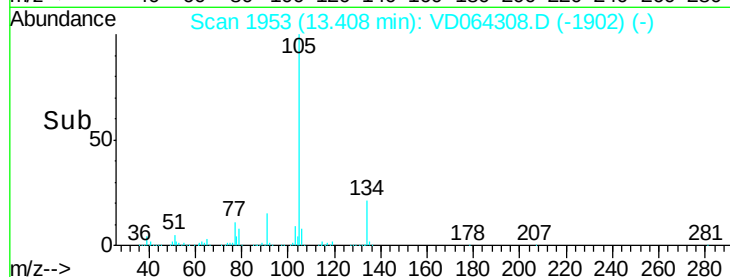
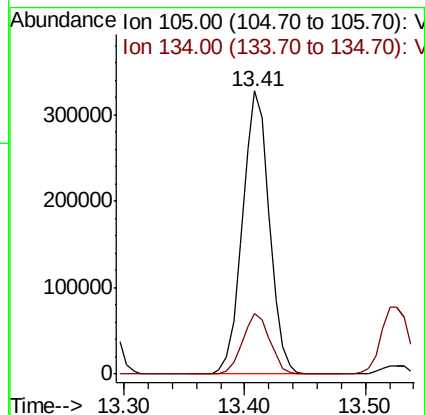
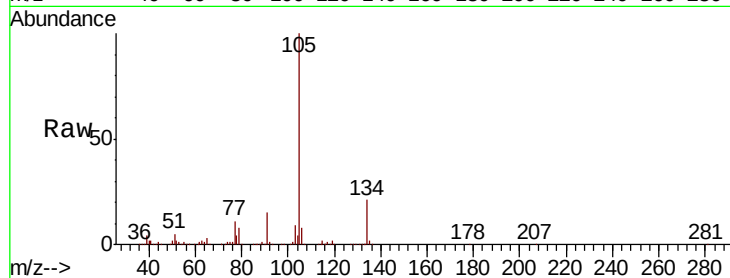
105 100

134 21.6 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 19.589 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064308.D

Acq: 20 Nov 2019 12:41

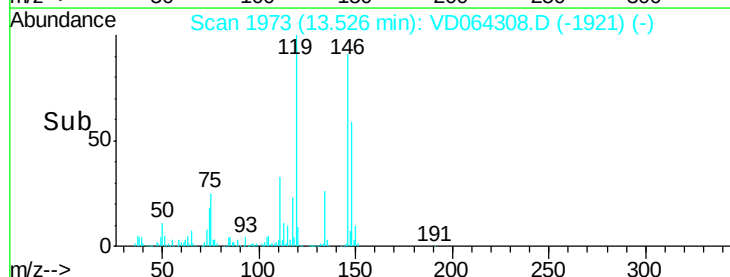
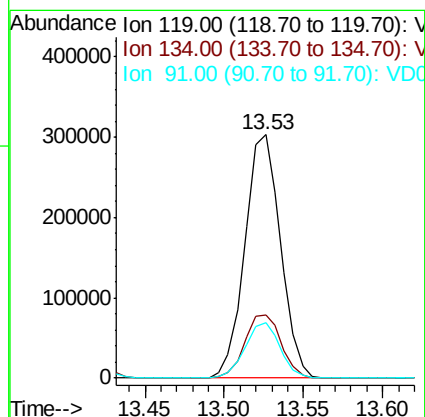
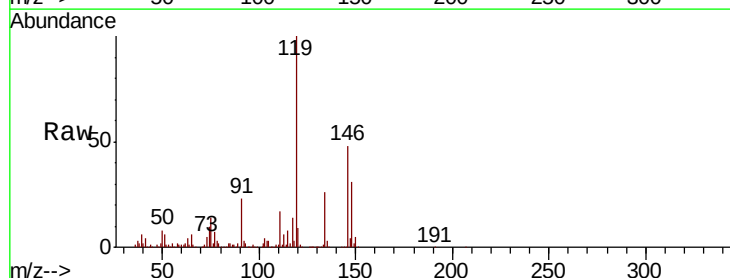
Tgt Ion:119 Resp: 472420

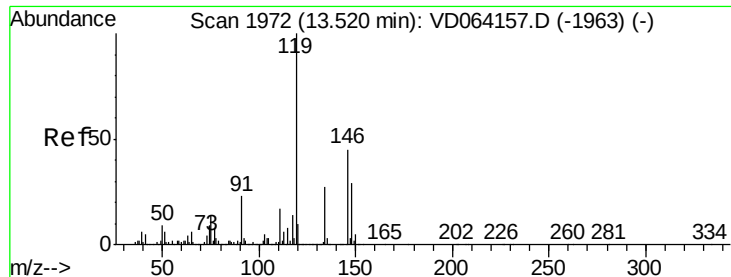
Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.5

91 22.4 11.5 34.4





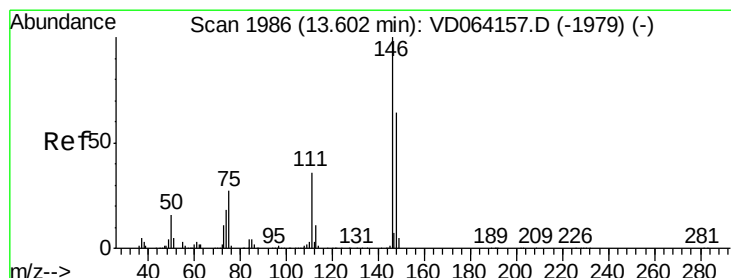
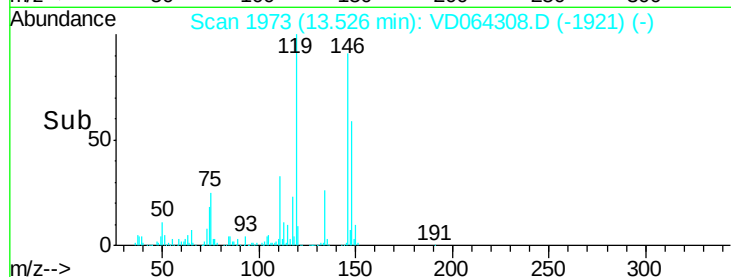
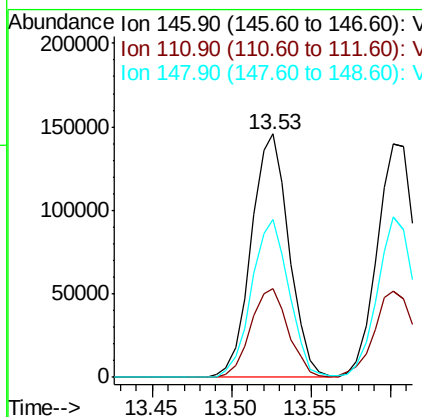
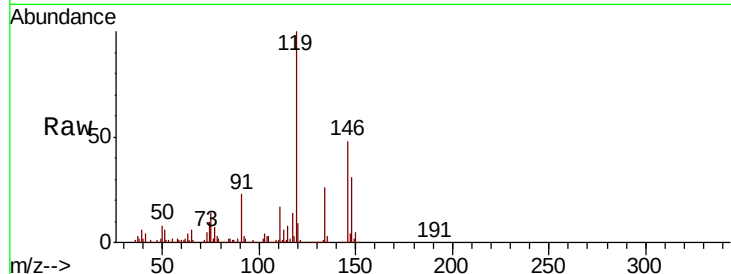
#87
1,3-Dichlorobenzene
Concen: 20.484 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.9	56.9
148	64.3	32.1	96.5

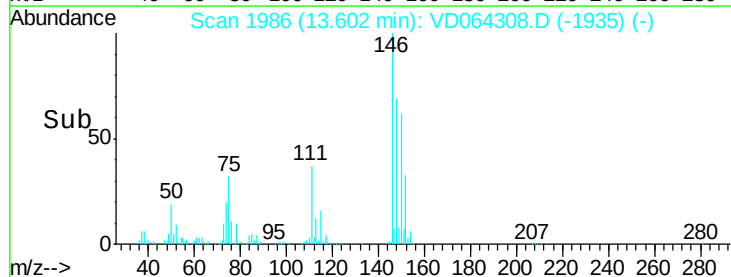
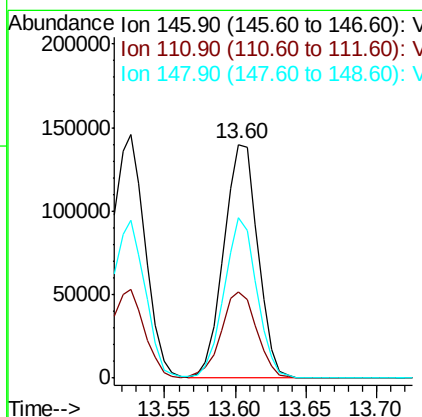
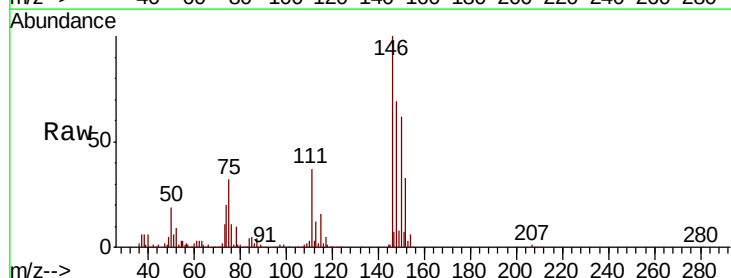
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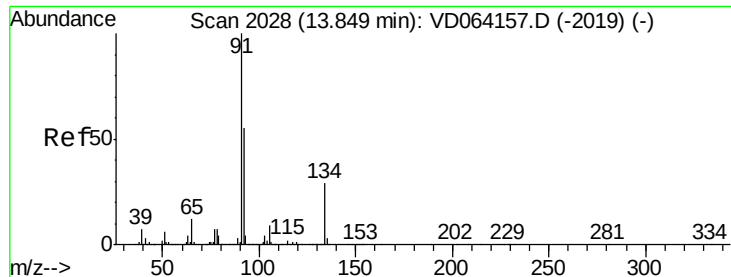
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#88
1,4-Dichlorobenzene
Concen: 20.460 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	18.1	54.4
148	66.3	31.9	95.7





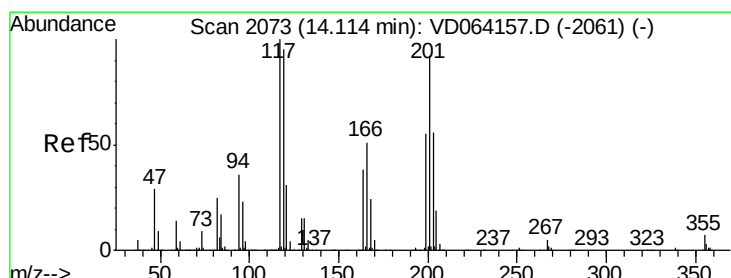
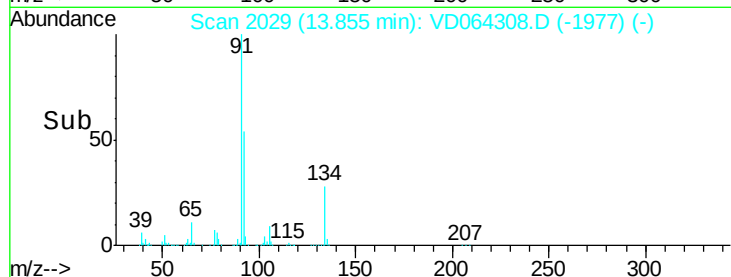
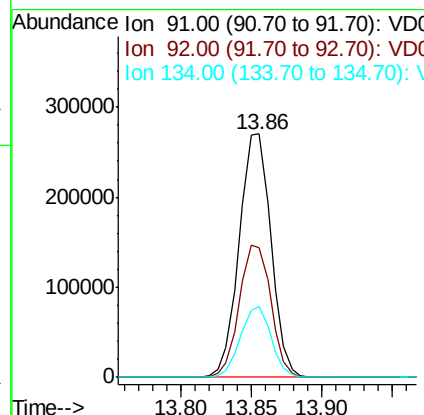
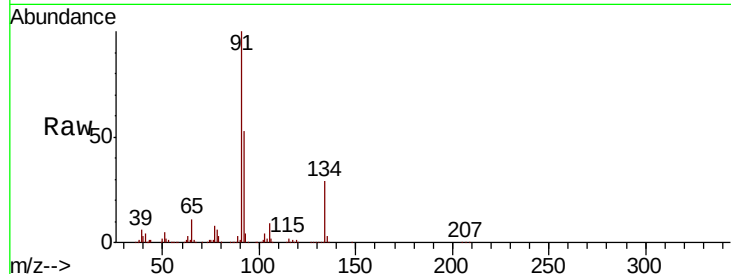
#89
n-Butylbenzene
Concen: 19.582 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		426654		
92	54.3	27.3		81.8	
134	28.1	14.1		42.4	

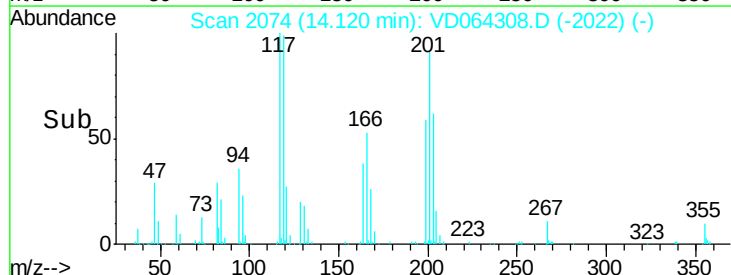
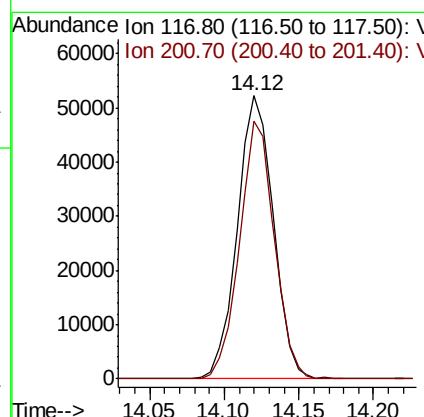
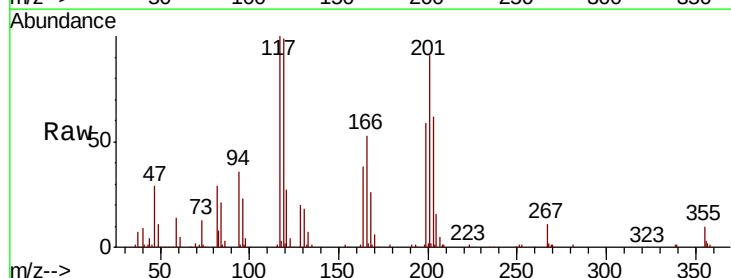
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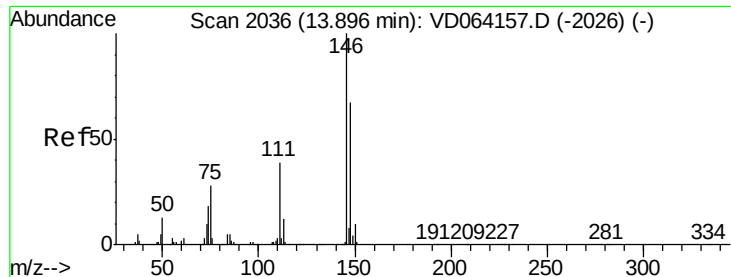
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#90
Hexachloroethane
Concen: 19.620 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		87447		
201	88.0	45.8		137.4	





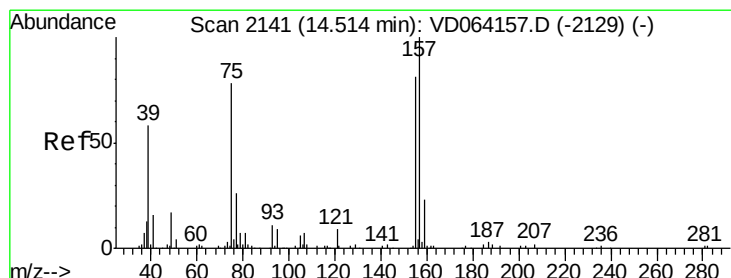
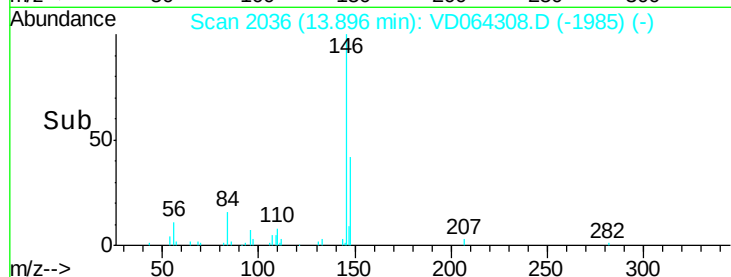
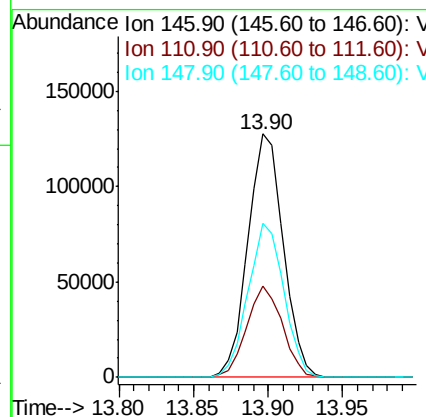
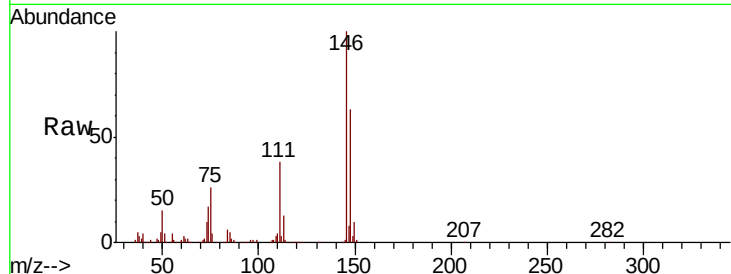
#91
 1,2-Dichlorobenzene
 Concen: 21.026 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	209215		
111	37.9		19.7	59.0
148	64.1		32.3	96.8

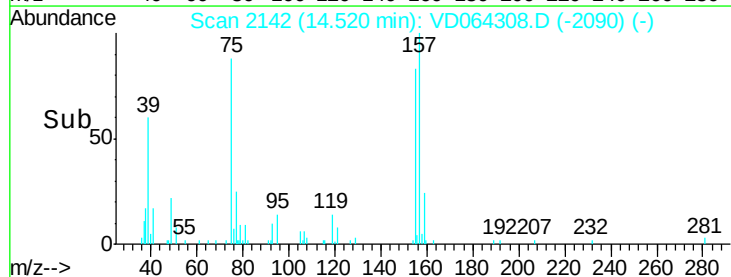
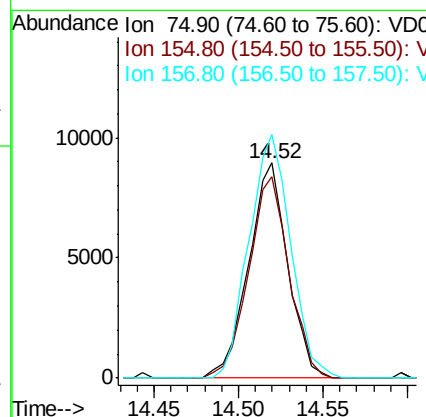
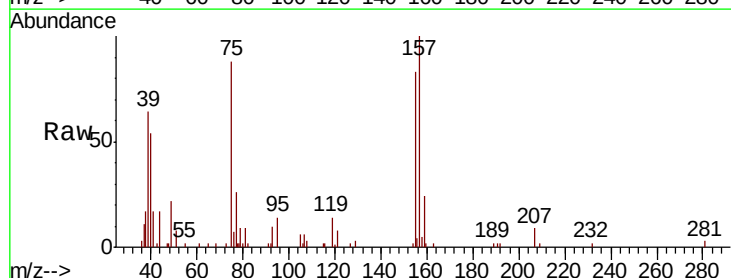
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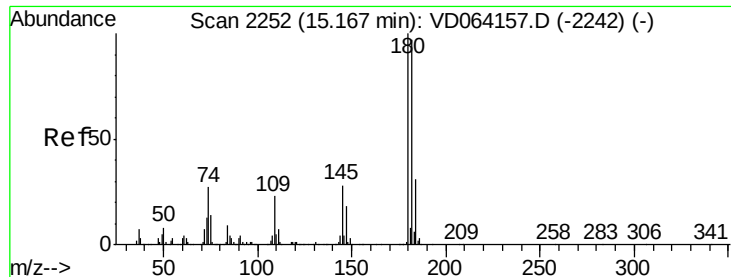
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 11/22/2019 12:52:15 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.641 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14496		
155	96.0		48.0	144.0
157	120.5		61.5	184.4





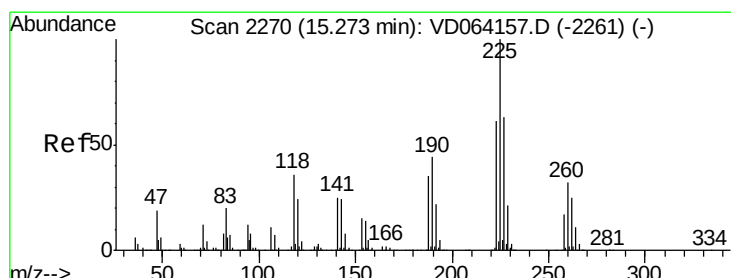
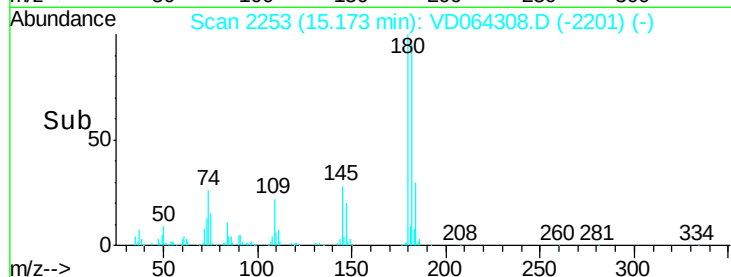
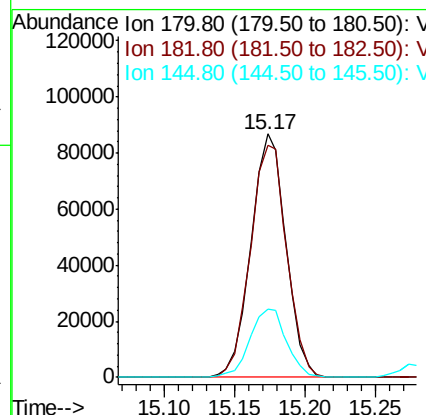
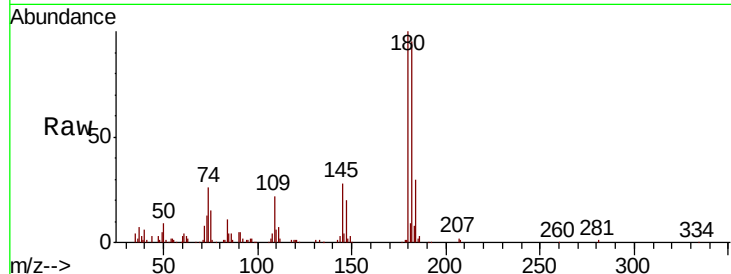
#93
 1,2,4-Trichlorobenzene
 Concen: 19.649 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	150822		
182	99.0	47.5	142.5	
145	29.2	14.2	42.6	

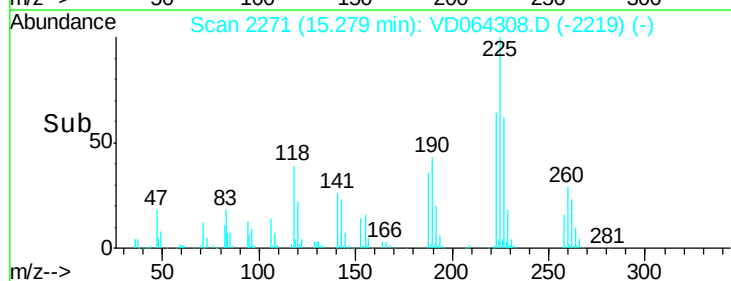
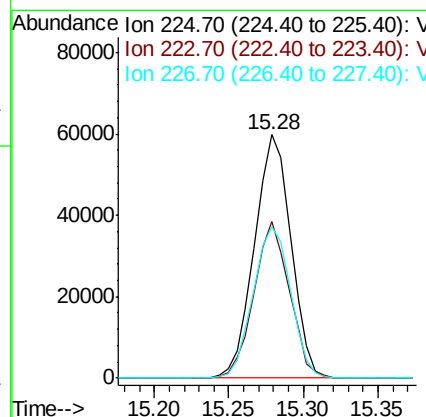
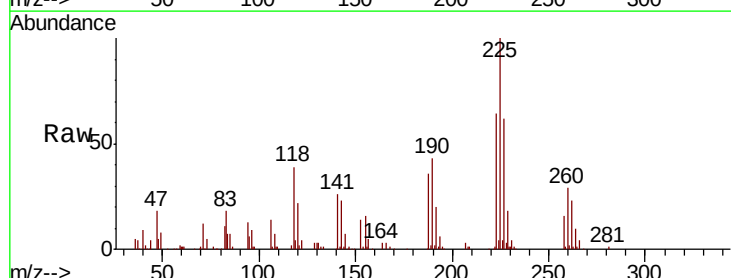
Manual Integrations
 APPROVED

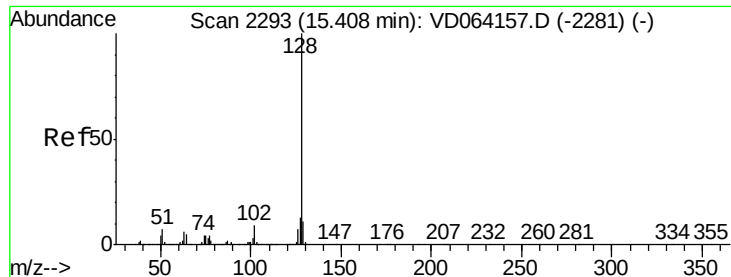
MMDadoda
 11/22/2019 12:52:15 AM



#94
 Hexachlorobutadiene
 Concen: 20.410 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064308.D
 Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	101190		
223	62.4	31.1	93.3	
227	63.5	31.5	94.5	





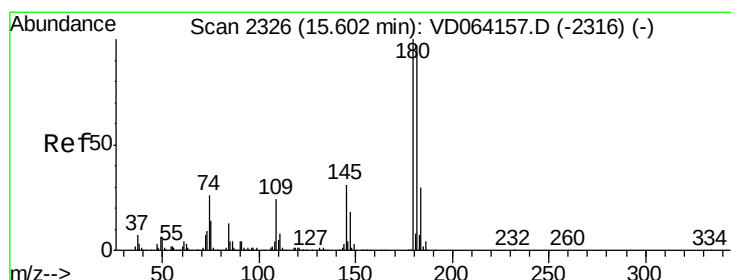
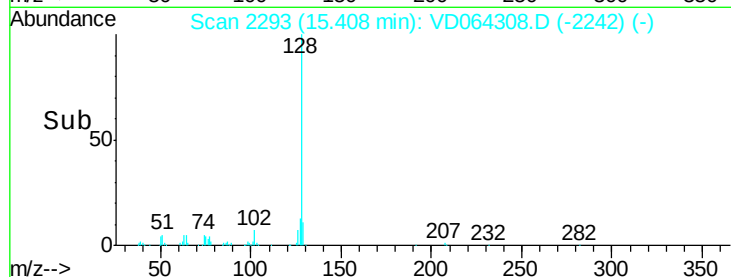
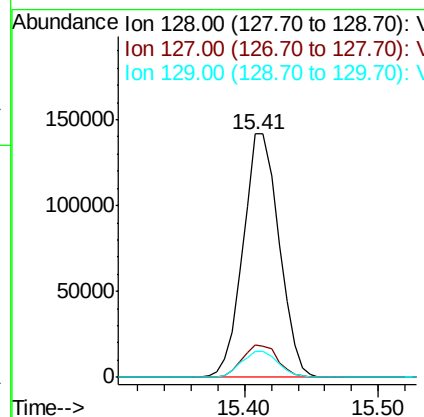
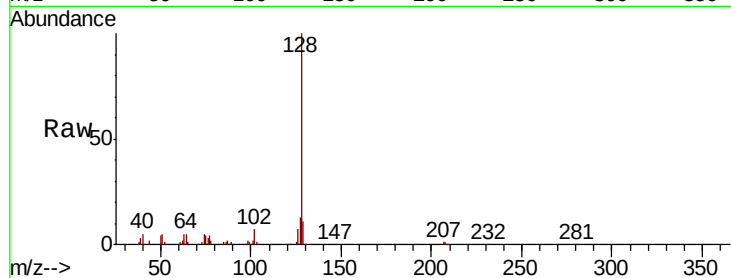
#95
Naphthalene
Concen: 21.053 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Instrument :
MSVOA_D
ClientSampleId :
VD1120SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	264900		
127	13.3		10.5	15.7
129	10.9		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/22/2019 12:52:15 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.599 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064308.D
Acq: 20 Nov 2019 12:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	134404		
182	96.0		48.3	144.9
145	31.3		15.3	45.8

