

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064258.D
 Acq On : 18 Nov 2019 12:09
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:11:49 PM

Quant Time: Nov 19 04:51:03 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	629735	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	888095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	767114	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	374405	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	253945	49.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.06%	
35) Dibromofluoromethane	7.91	113	256497	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
50) Toluene-d8	10.34	98	979709	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.64	95	320659	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	104289	19.968	ug/l	97
3) Chloromethane	2.21	50	119640	21.356	ug/l	99
4) Vinyl Chloride	2.35	62	139983	23.366	ug/l	98
5) Bromomethane	2.76	94	95526	25.252	ug/l	97
6) Chloroethane	2.91	64	93504	24.426	ug/l	99
7) Trichlorofluoromethane	3.27	101	243695	25.090	ug/l	99
8) Diethyl Ether	3.70	74	53682	20.101	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	115946	20.886	ug/l	99
10) Methyl Iodide	4.29	142	112502	19.063	ug/l	99
11) Tert butyl alcohol	5.26	59	36617	101.223	ug/l	97
12) 1,1-Dichloroethene	4.06	96	109056	20.610	ug/l	93
13) Acrolein	3.93	56	22788	74.464	ug/l	97
14) Allyl chloride	4.70	41	179660	19.203	ug/l	95
15) Acrylonitrile	5.43	53	119590	105.039	ug/l	98
16) Acetone	4.17	43	96067	78.297	ug/l	99
17) Carbon Disulfide	4.40	76	322004	19.540	ug/l	99
18) Methyl Acetate	4.73	43	65823	19.208	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	251741	19.928	ug/l	96
20) Methylene Chloride	4.96	84	121347	19.579	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	123034	20.522	ug/l	92
22) Diisopropyl ether	6.37	45	337571	19.446	ug/l	95
23) Vinyl Acetate	6.31	43	978812	101.154	ug/l	99
24) 1,1-Dichloroethane	6.26	63	202586	20.099	ug/l	99
25) 2-Butanone	7.22	43	150645	95.035	ug/l	95
26) 2,2-Dichloropropane	7.20	77	194521	19.679	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	134470	20.916	ug/l	93
28) Bromochloromethane	7.55	49	58130	16.566	ug/l	97
29) Tetrahydrofuran	7.57	42	97972	102.869	ug/l	98
30) Chloroform	7.71	83	221238	21.459	ug/l	95
31) Cyclohexane	7.98	56	203548	20.024	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	197157	19.971	ug/l	99
36) 1,1-Dichloropropene	8.11	75	166912	20.364	ug/l	99
37) Ethyl Acetate	7.30	43	72814	21.073	ug/l	99
38) Carbon Tetrachloride	8.09	117	178826	20.390	ug/l	95

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 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)
39) Methylcyclohexane	9.36	83	210734	20.319	ug/l	96
40) Benzene	8.35	78	462749	20.658	ug/l	99
41) Methacrylonitrile	7.53	41	42391	19.519	ug/l	93
42) 1,2-Dichloroethane	8.43	62	134868	20.046	ug/l	98
43) Isopropyl Acetate	8.46	43	139571	19.604	ug/l	98
44) Trichloroethene	9.11	130	139333	20.724	ug/l	97
45) 1,2-Dichloropropane	9.39	63	109261	20.039	ug/l	99
46) Dibromomethane	9.48	93	60272	20.649	ug/l	98
47) Bromodichloromethane	9.67	83	162592	20.680	ug/l	97
48) Methyl methacrylate	9.46	41	64358	18.487	ug/l	92
49) 1,4-Dioxane	9.47	88	14585	416.047	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	339879	99.551	ug/l	99
52) Toluene	10.41	92	297838	20.220	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	153973	19.547	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	181894	19.789	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	83230	21.019	ug/l	97
56) Ethyl methacrylate	10.67	69	108396	19.569	ug/l	96
57) 1,3-Dichloropropane	10.95	76	143075	20.718	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	209564	93.398	ug/l	99
59) 2-Hexanone	10.99	43	235322	96.882	ug/l	99
60) Dibromochloromethane	11.14	129	112956	20.443	ug/l	99
61) 1,2-Dibromoethane	11.25	107	81653	20.588	ug/l	100
64) Tetrachloroethene	10.88	164	119059	20.180	ug/l	93
65) Chlorobenzene	11.67	112	315091	20.199	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	118366	19.955	ug/l	98
67) Ethyl Benzene	11.75	91	576099	20.417	ug/l	99
68) m/p-Xylenes	11.86	106	442498	40.914	ug/l	97
69) o-Xylene	12.18	106	199181	19.857	ug/l	97
70) Styrene	12.20	104	348381	19.897	ug/l	99
71) Bromoform	12.37	173	66758	19.776	ug/l #	96
73) Isopropylbenzene	12.48	105	561965	20.449	ug/l	99
74) N-amyl acetate	12.30	43	130156	20.056	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	88707	21.422	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	58255m	19.317	ug/l	
77) Bromobenzene	12.77	156	136621	20.463	ug/l	98
78) n-propylbenzene	12.83	91	639344	20.363	ug/l	99
79) 2-Chlorotoluene	12.91	91	355991	20.082	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	455188	20.158	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	30268	19.937	ug/l	99
82) 4-Chlorotoluene	13.01	91	370425	20.035	ug/l	99
83) tert-Butylbenzene	13.23	119	403460	20.262	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	446167	20.013	ug/l	99
85) sec-Butylbenzene	13.41	105	546748	20.444	ug/l	100
86) p-Isopropyltoluene	13.53	119	510392	20.075	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	251127	20.263	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	248554	20.549	ug/l	99
89) n-Butylbenzene	13.85	91	469466	20.438	ug/l	99
90) Hexachloroethane	14.13	117	93042	19.801	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	213942	20.395	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	14452	19.520	ug/l	99

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MSVOA_D
ClientSampleId :
VD1118SBSD01

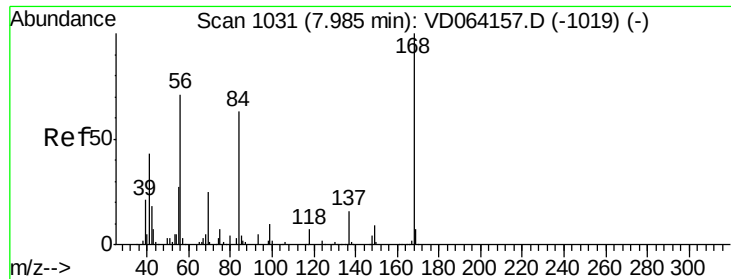
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	165851	20.496	ug/l	100
94) Hexachlorobutadiene	15.28	225	104347	19.965	ug/l	96
95) Naphthalene	15.41	128	282619	21.306	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	145559	21.162	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:168 Resp: 629735

Ion Ratio Lower Upper

168 100

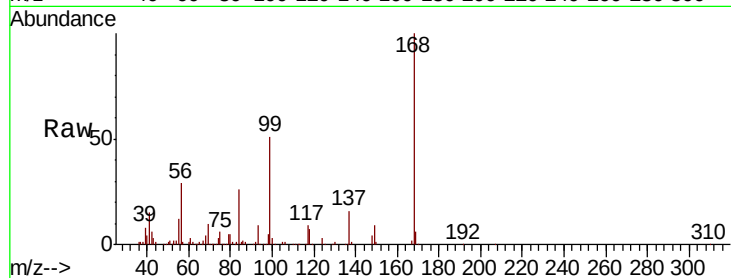
99 50.7 41.6 62.4

Manual Integrations

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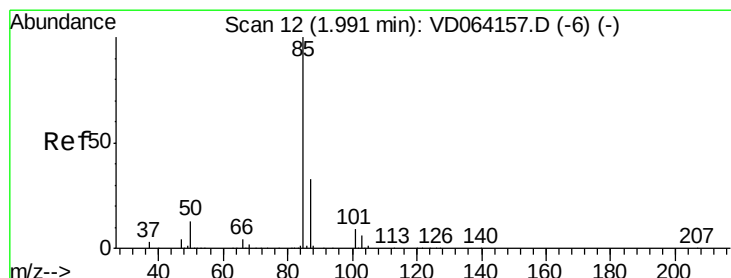
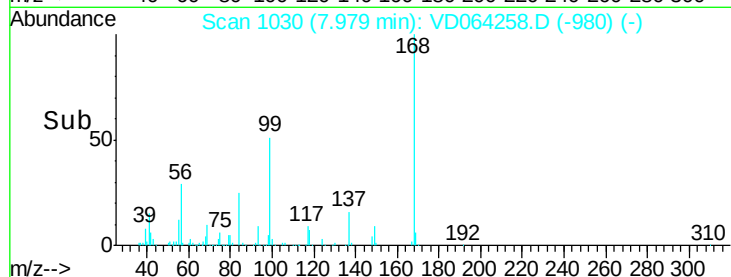
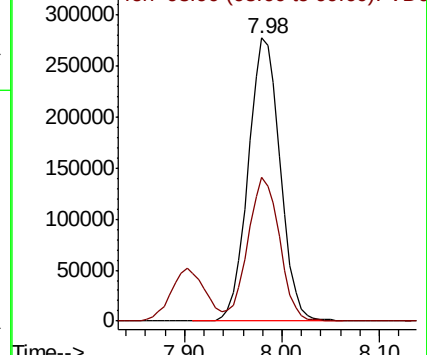
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.968 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064258.D

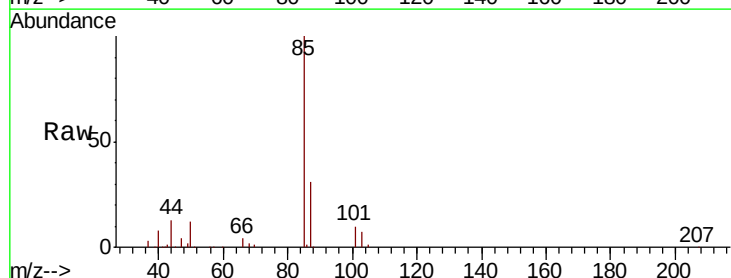
Acq: 18 Nov 2019 12:09

Tgt Ion: 85 Resp: 104289

Ion Ratio Lower Upper

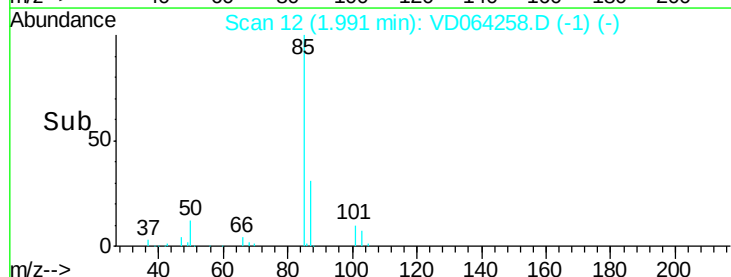
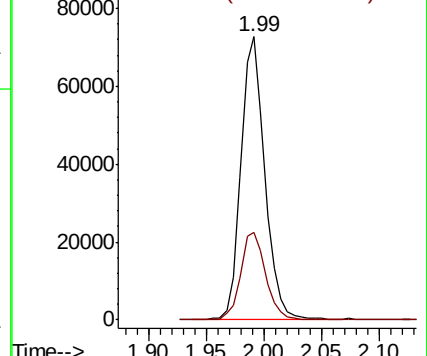
85 100

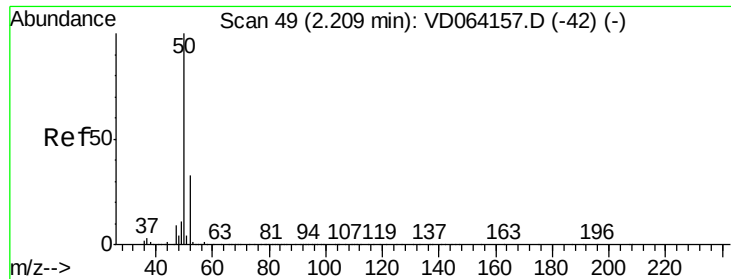
87 31.1 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.356 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 50 Resp: 119640

Ion Ratio Lower Upper

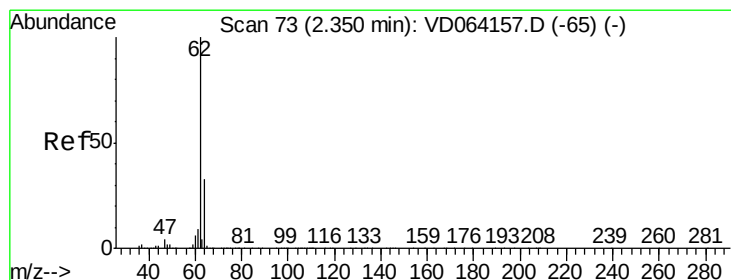
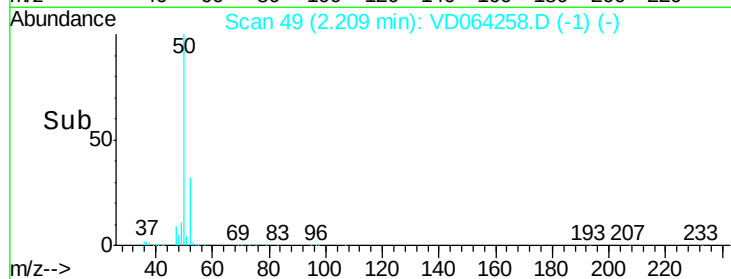
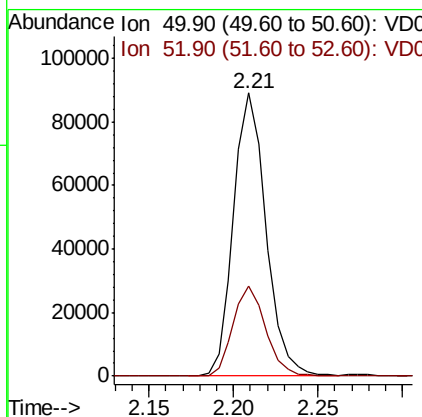
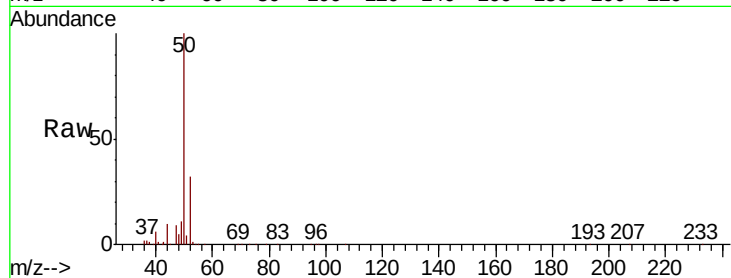
50 100

52 32.0 26.2 39.4

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.366 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064258.D

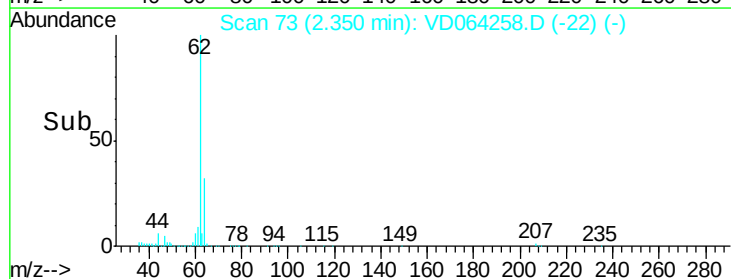
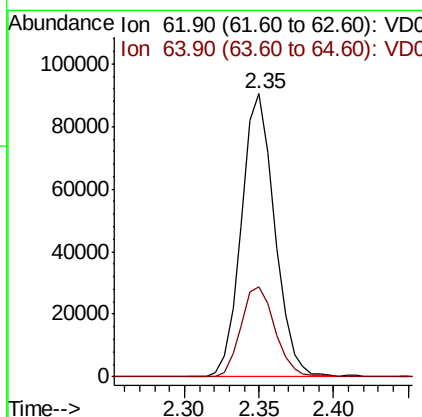
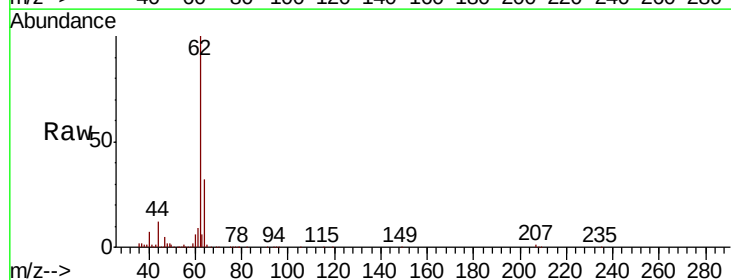
Acq: 18 Nov 2019 12:09

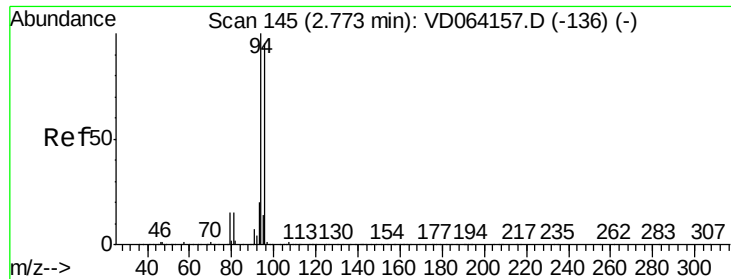
Tgt Ion: 62 Resp: 139983

Ion Ratio Lower Upper

62 100

64 31.6 26.2 39.2





#5

Bromomethane

Concen: 25.252 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 94 Resp: 95526

Ion Ratio Lower Upper

94 100

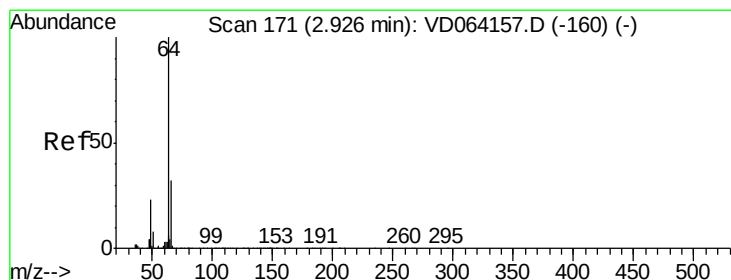
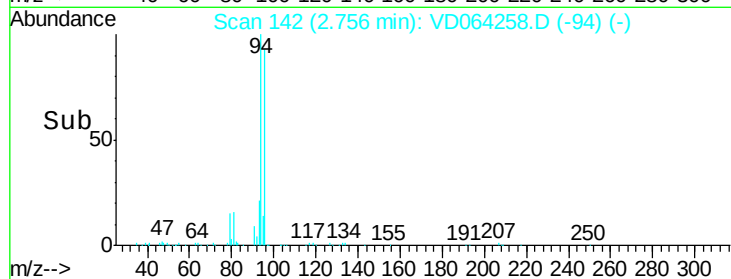
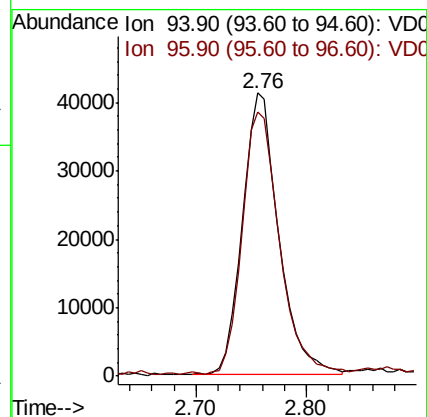
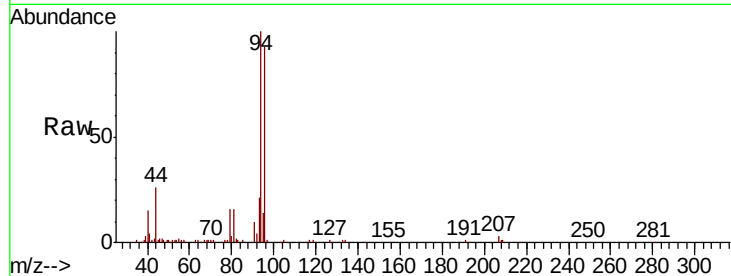
96 92.2 76.2 114.4

Manual Integrations

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#6

Chloroethane

Concen: 24.426 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD064258.D

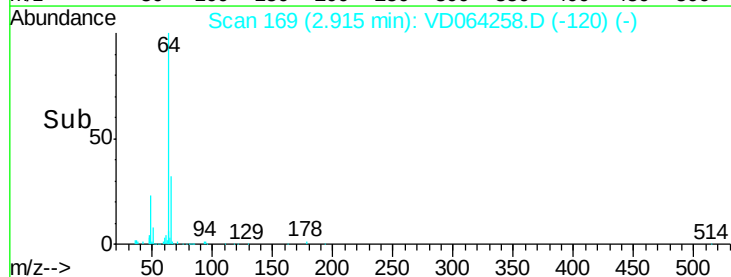
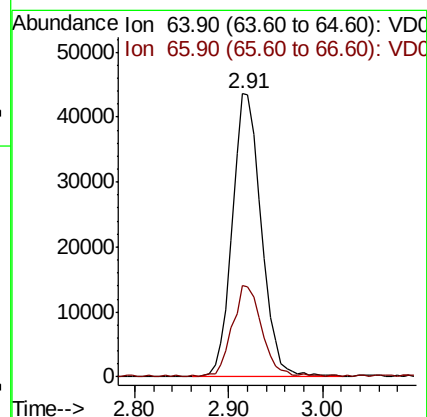
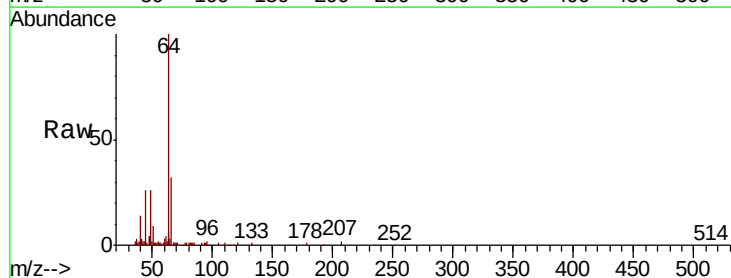
Acq: 18 Nov 2019 12:09

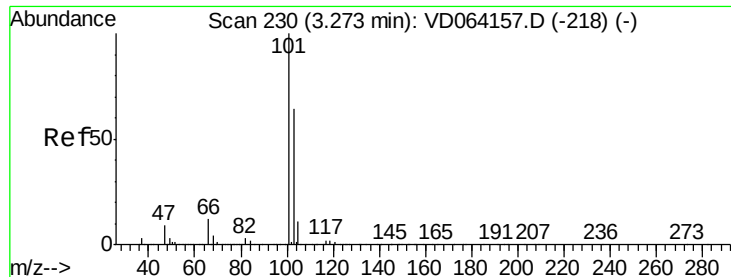
Tgt Ion: 64 Resp: 93504

Ion Ratio Lower Upper

64 100

66 32.3 25.5 38.3





#7

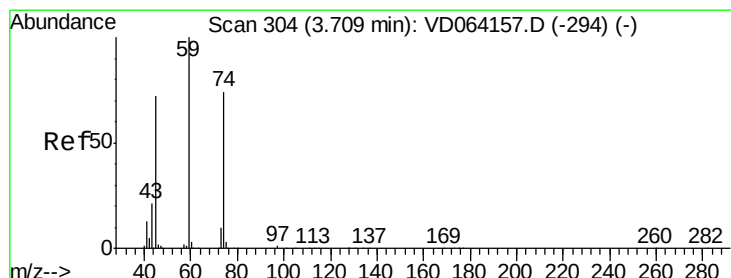
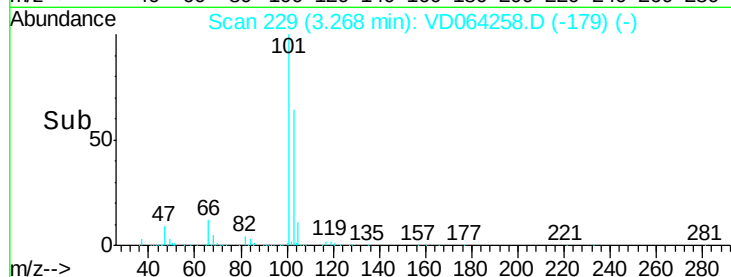
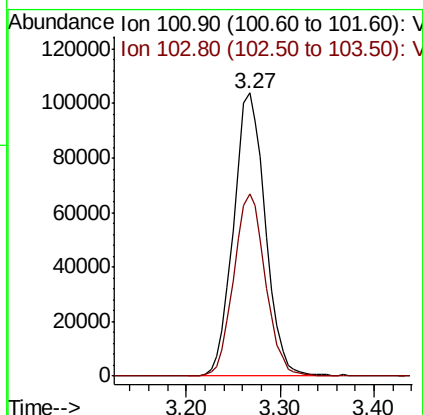
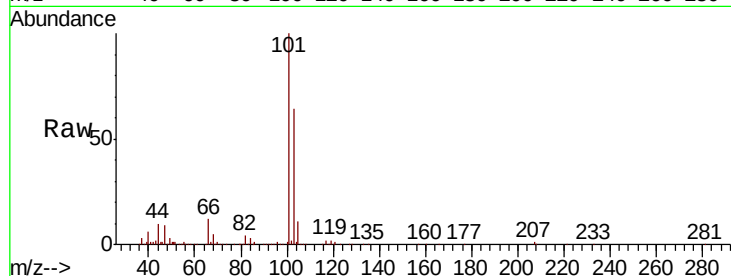
Trichlorofluoromethane
Concen: 25.090 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.2	50.8	76.2

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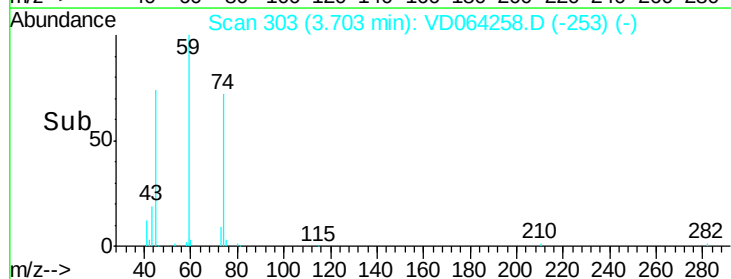
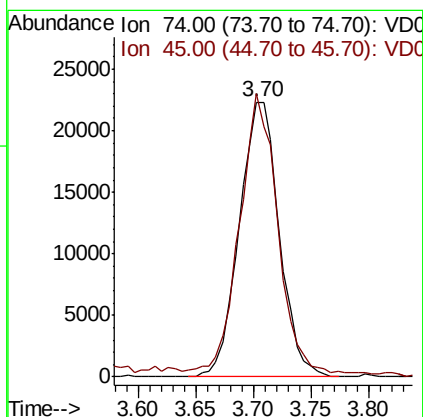
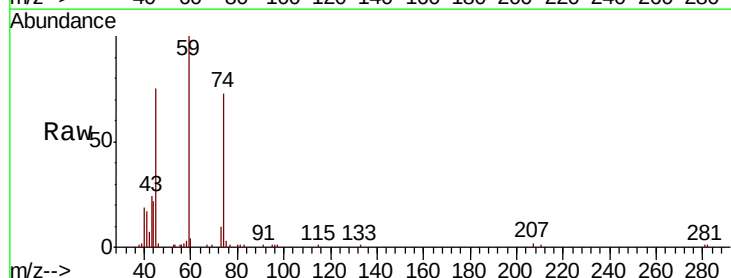
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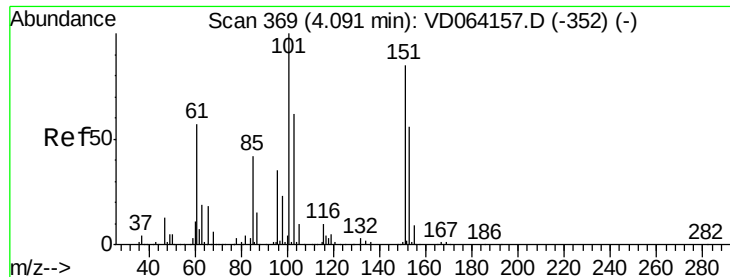


#8

Diethyl Ether
Concen: 20.101 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.4	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.886 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

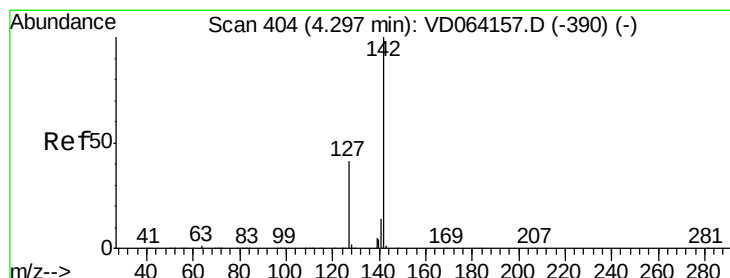
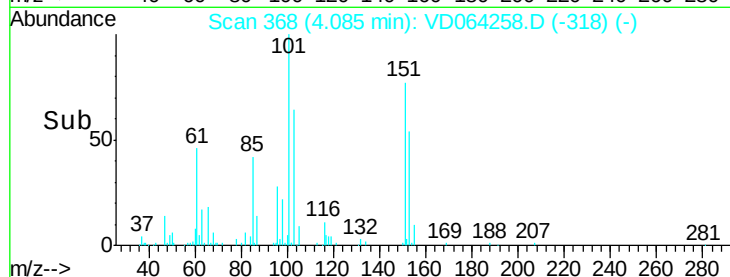
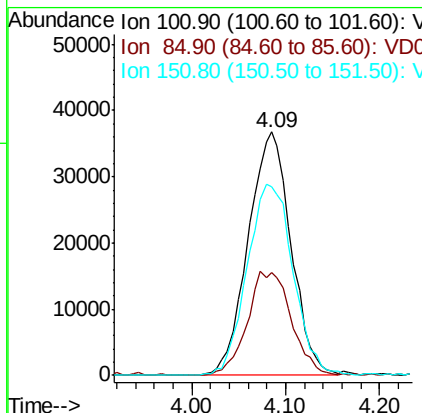
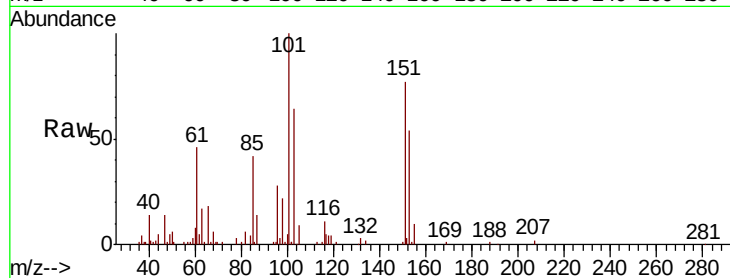
ClientSampleId :

VD1118SBS01

Tot Ion:	101	Resp:	115946
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.4	51.6
151	84.0	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 19.063 ug/l

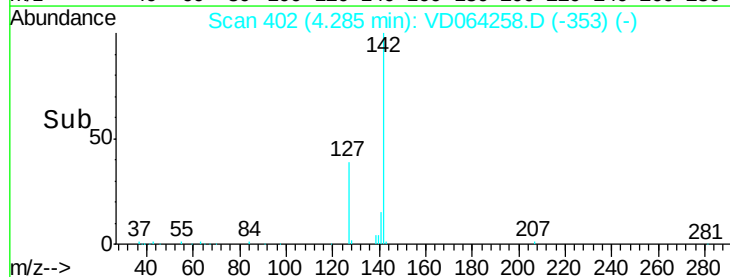
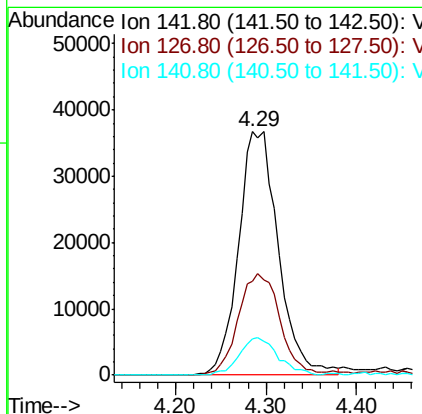
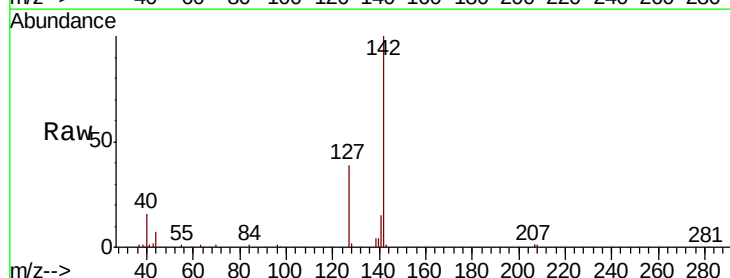
RT: 4.29 min Scan# 402

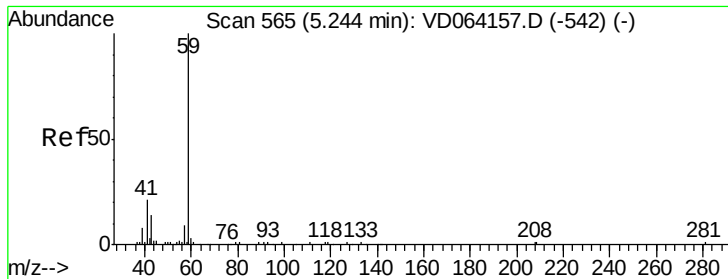
Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	142	Resp:	112502
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.4	51.6
141	14.8	11.2	16.8





#11

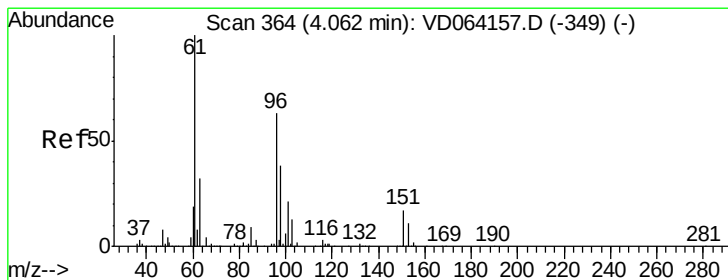
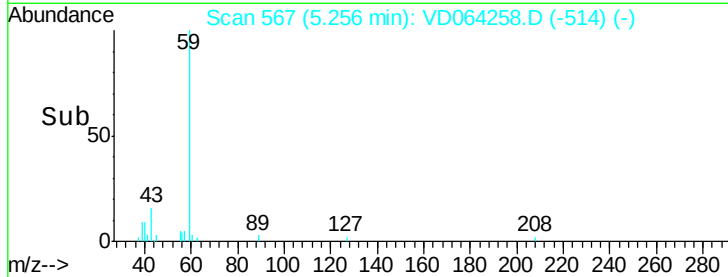
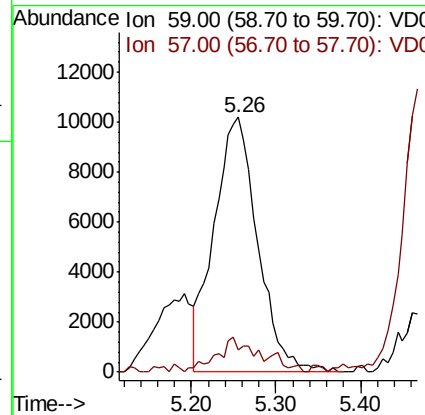
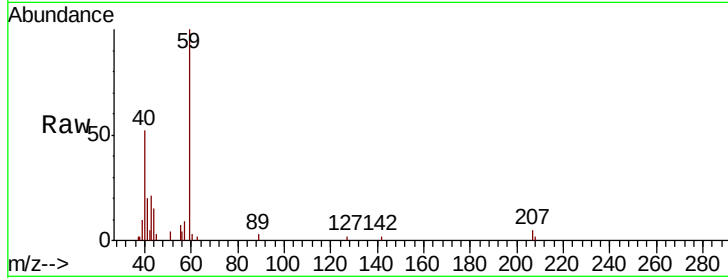
Tert butyl alcohol
Concen: 101.223 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	9.4	14.2

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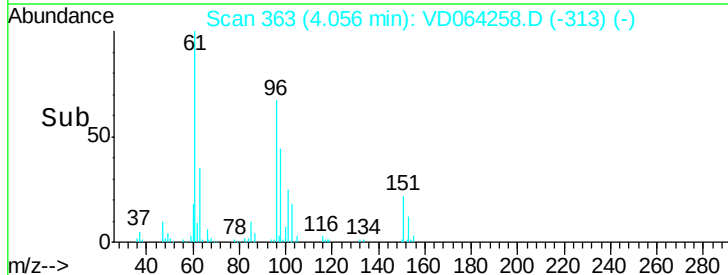
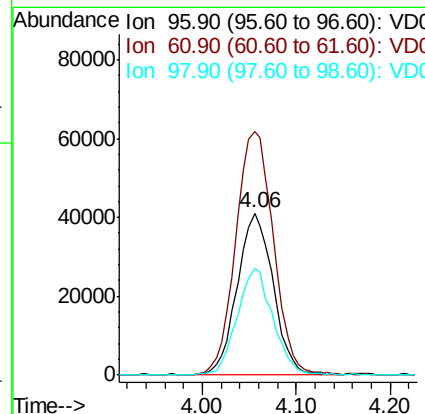
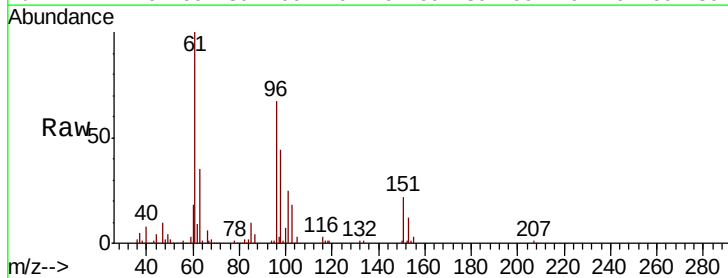
MMDadoda
11/20/2019 1:11:49 PM

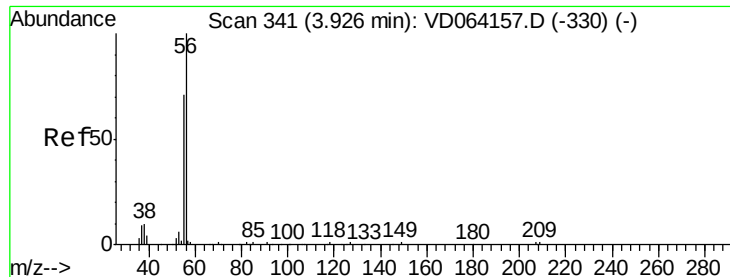


#12

1,1-Dichloroethene
Concen: 20.610 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
96	100		
61	150.3	127.4	191.2
98	65.8	48.1	72.1





#13

Acrolein

Concen: 74.464 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 56 Resp: 22788

Ion Ratio Lower Upper

56 100

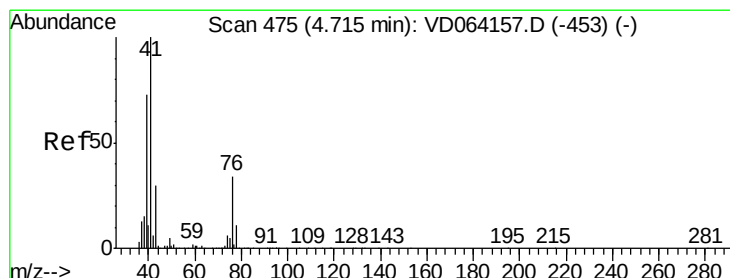
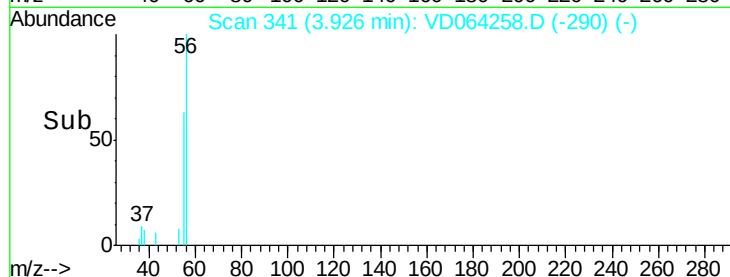
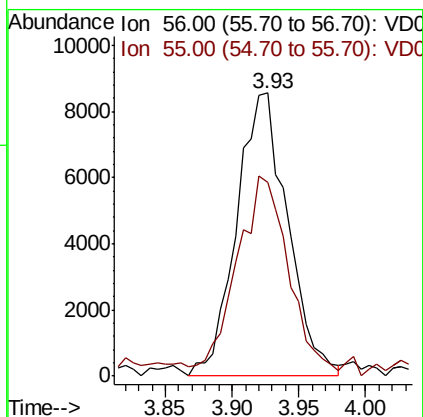
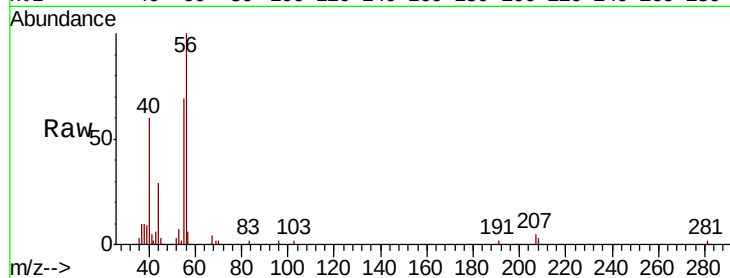
55 67.5 56.1 84.1

Manual Integrations

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#14

Allyl chloride

Concen: 19.203 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

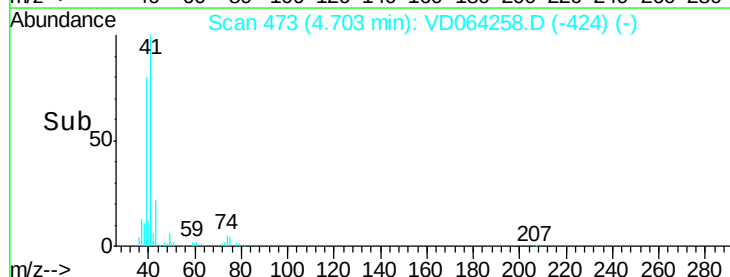
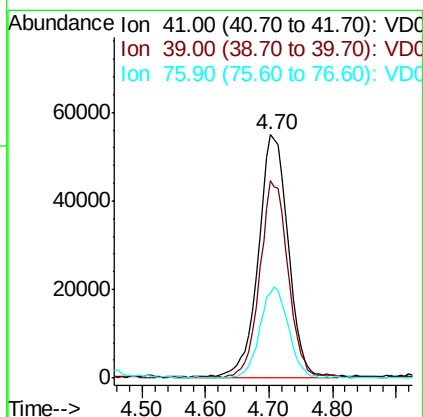
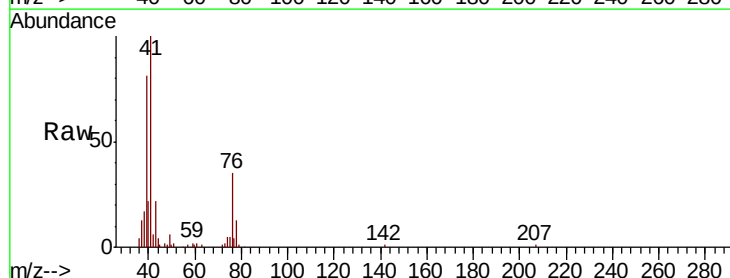
Tgt Ion: 41 Resp: 179660

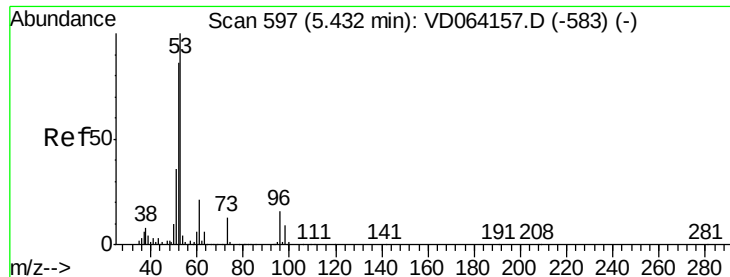
Ion Ratio Lower Upper

41 100

39 77.1 57.5 86.3

76 35.6 26.8 40.2





#15

Acrylonitrile

Concen: 105.039 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

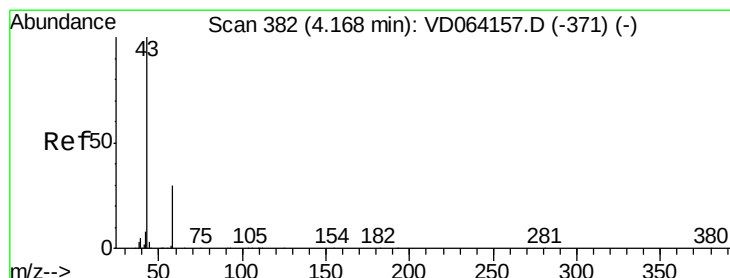
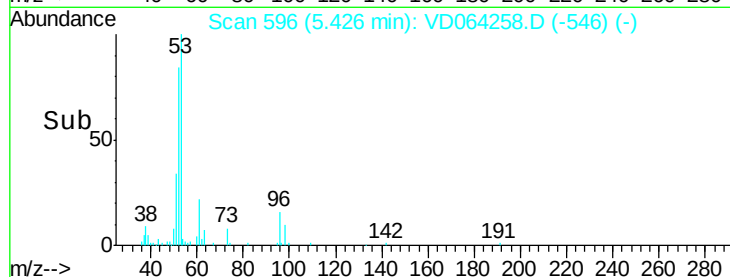
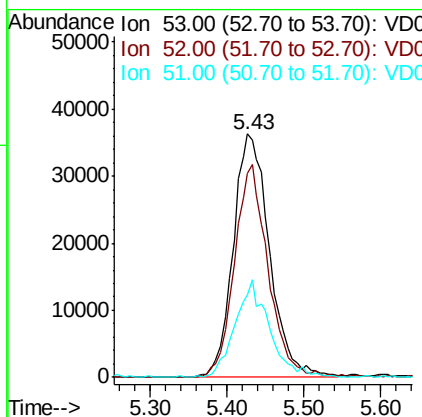
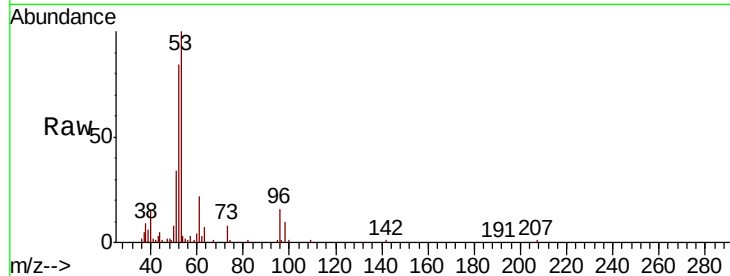
ClientSampleId :

VD1118SBS01

Tot Ion:	53	Resp:	119590
Ion	Ratio	Lower	Upper
53	100		
52	81.1	66.7	100.1
51	37.6	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 78.297 ug/l

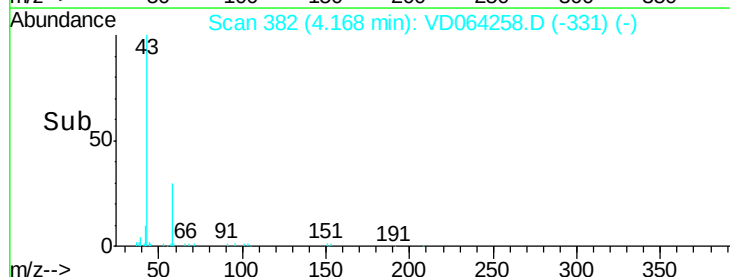
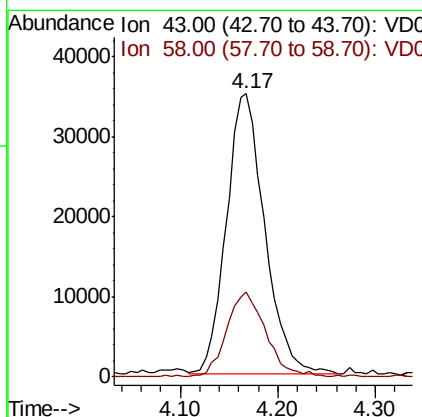
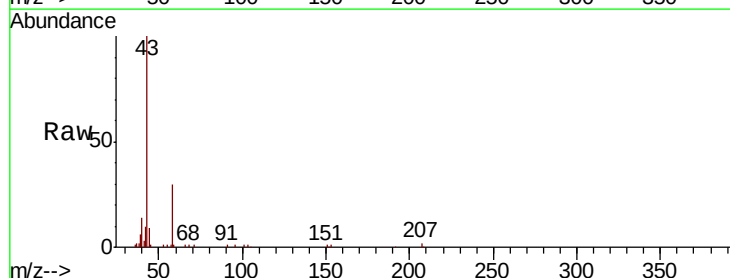
RT: 4.17 min Scan# 382

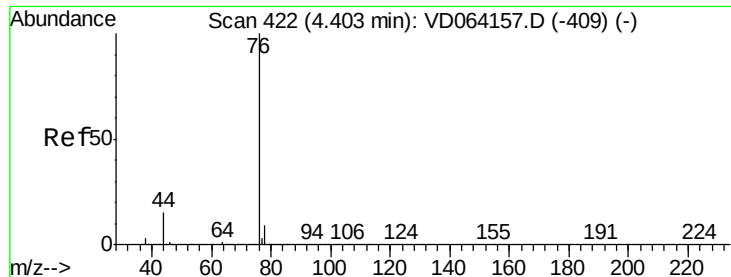
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	43	Resp:	96067
Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.1	36.1





#17

Carbon Disulfide

Concen: 19.540 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBSD01

Tot Ion: 76 Resp: 322004

Ion Ratio Lower Upper

76 100

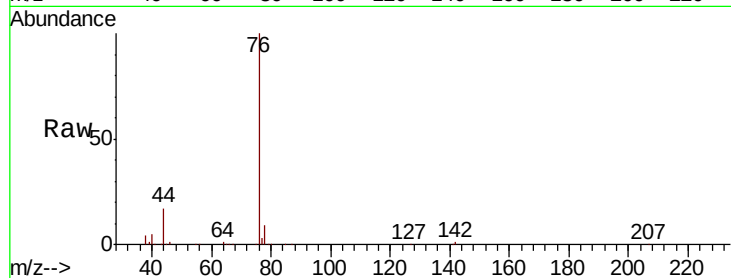
78 9.2 7.2 10.8

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

120000

100000

80000

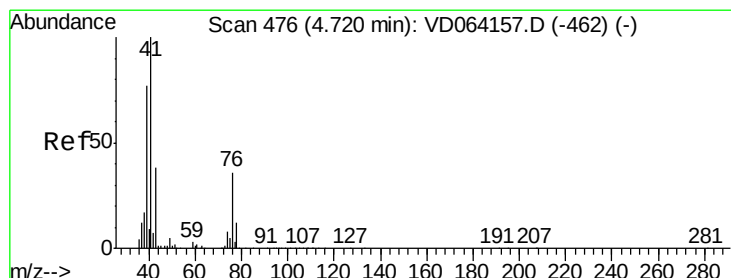
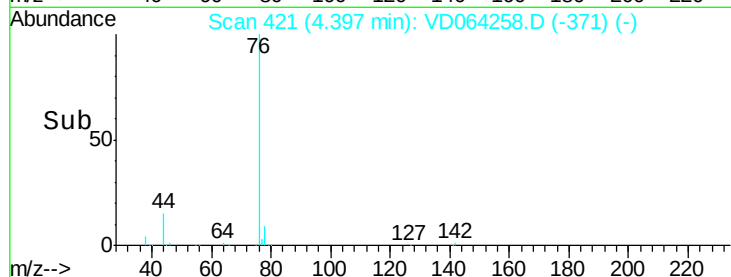
60000

40000

20000

0

Time--> 4.30 4.40 4.50



#18

Methyl Acetate

Concen: 19.208 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064258.D

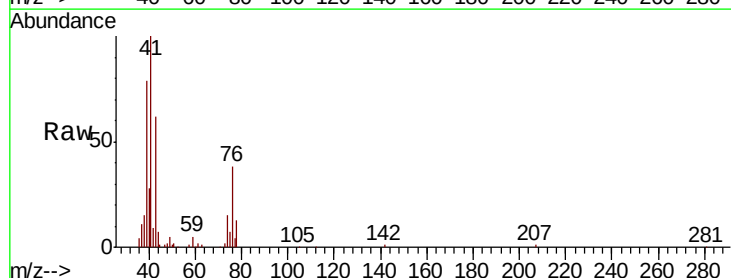
Acq: 18 Nov 2019 12:09

Tgt Ion: 43 Resp: 65823

Ion Ratio Lower Upper

43 100

74 22.9 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

25000

20000

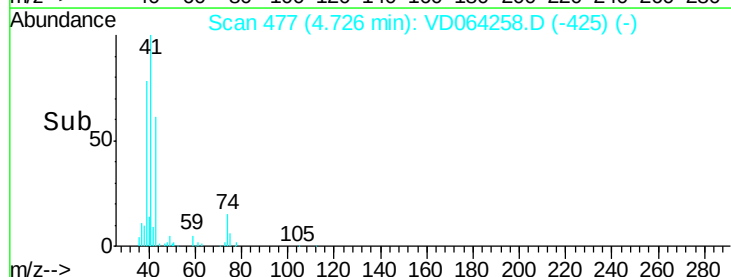
15000

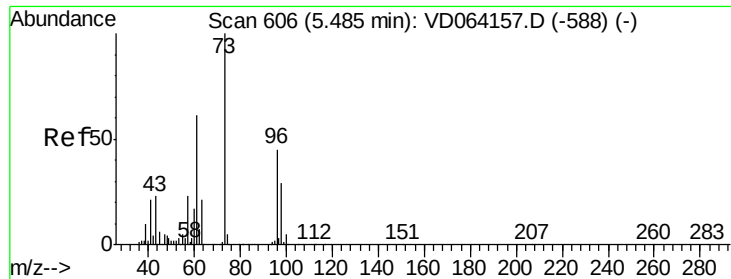
10000

5000

0

Time--> 4.60 4.70 4.80





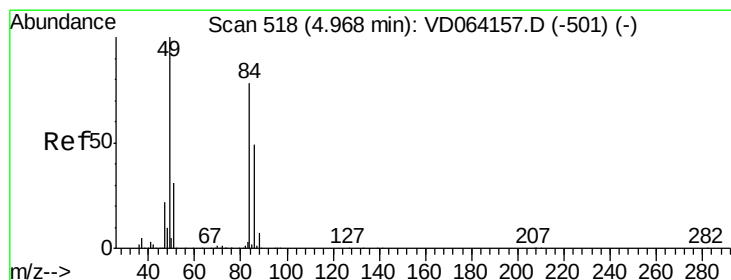
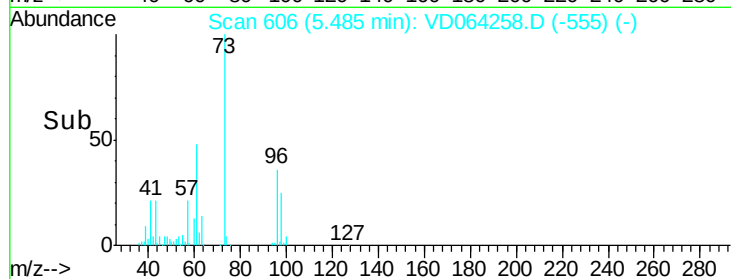
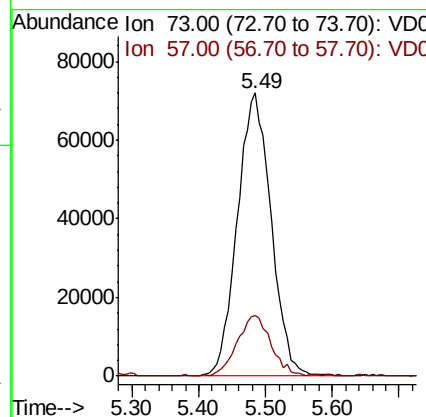
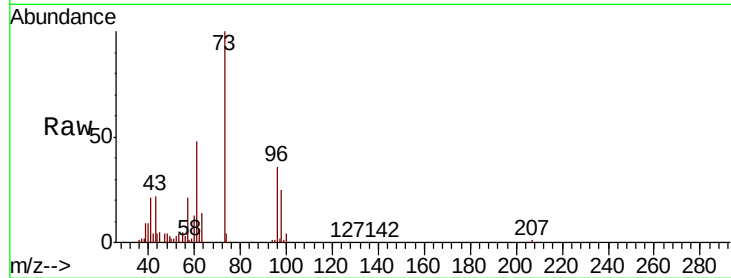
#19
Methyl tert-butyl Ether
Concen: 19.928 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.1	18.4	27.6

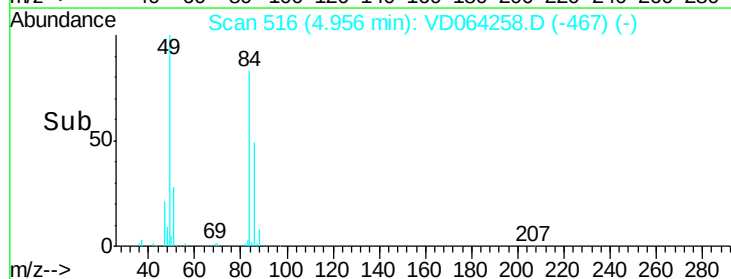
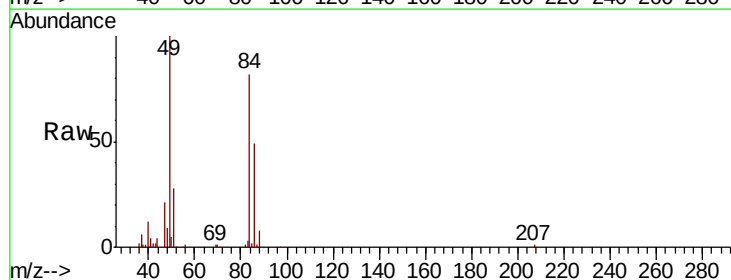
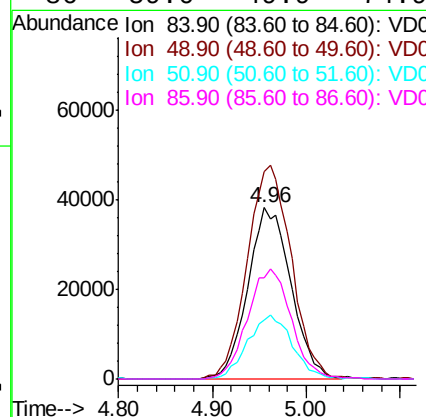
Manual Integrations
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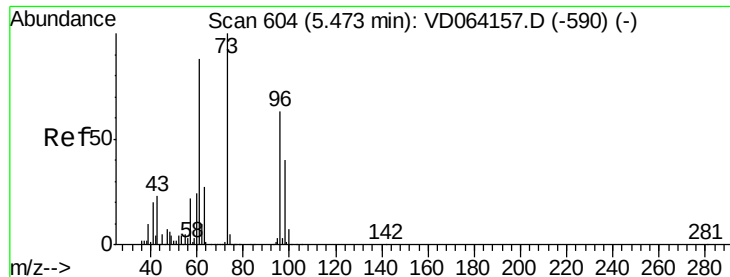
MMDadoda
11/20/2019 1:11:49 PM



#20
Methylene Chloride
Concen: 19.579 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
84	100		
49	121.5	102.1	153.1
51	34.3	32.2	48.2
86	59.0	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 20.522 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

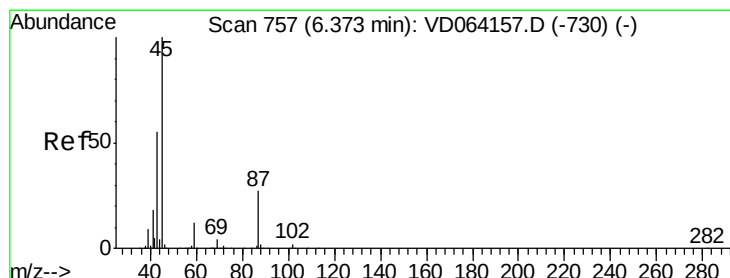
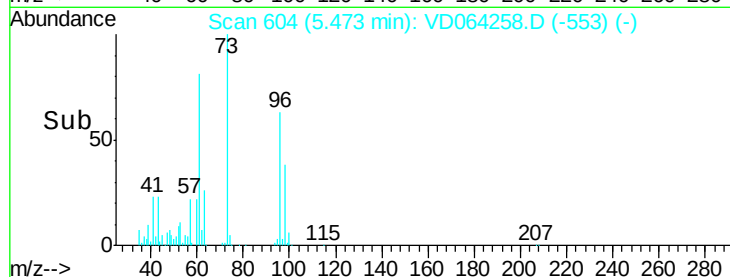
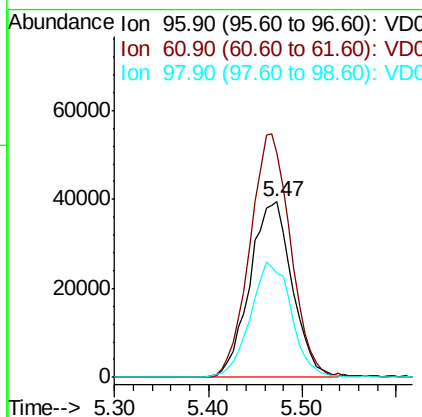
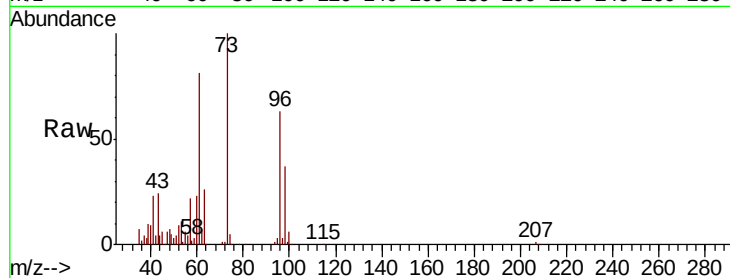
ClientSampleId :

VD1118SBS01

Tot Ion:	96	Resp:	123034
Ion	Ratio	Lower	Upper
96	100		
61	128.2	111.8	167.6
98	59.5	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 19.446 ug/l

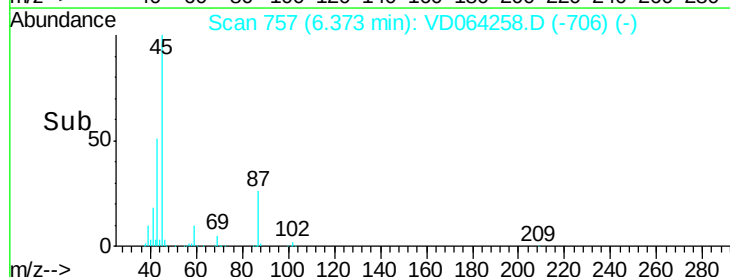
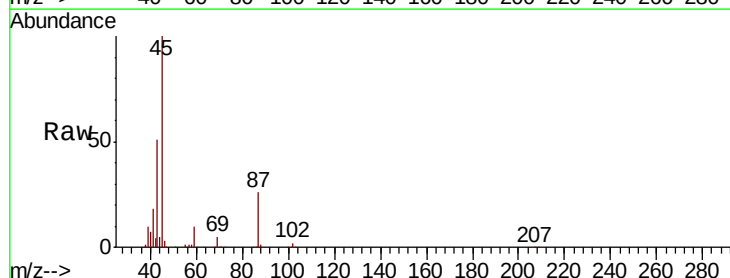
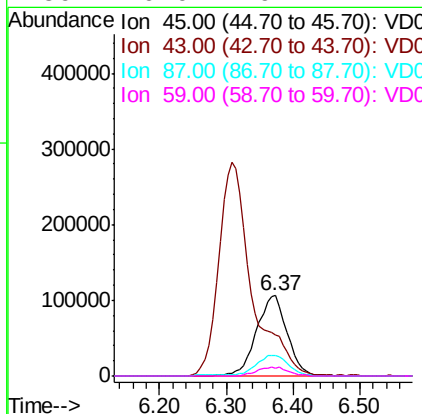
RT: 6.37 min Scan# 757

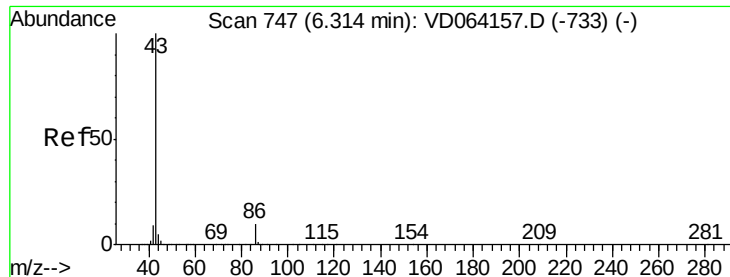
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	45	Resp:	337571
Ion	Ratio	Lower	Upper
45	100		
43	50.5	44.4	66.6
87	25.8	21.9	32.9
59	10.0	9.4	14.2





#23

Vinyl Acetate

Concen: 101.154 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 978812

Ion Ratio Lower Upper

43 100

86 10.5

8.2

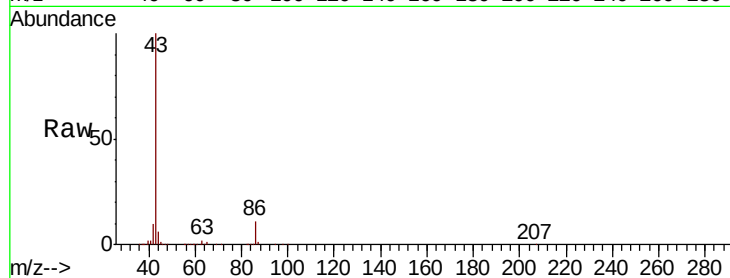
12.2

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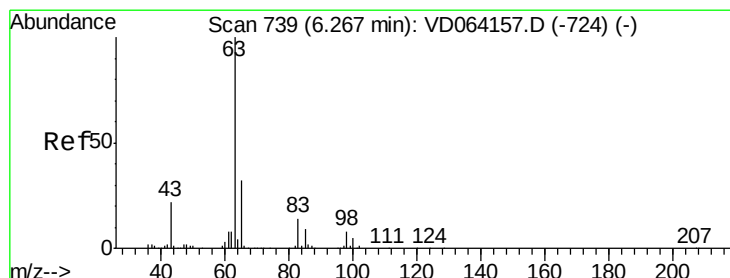
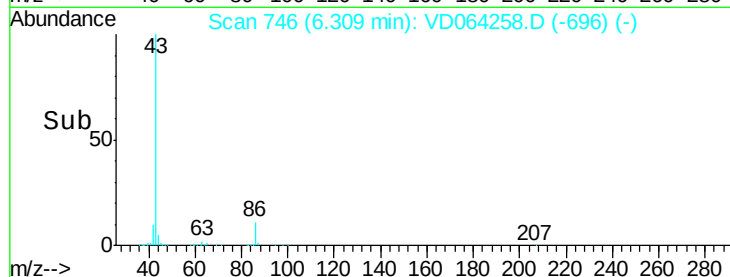
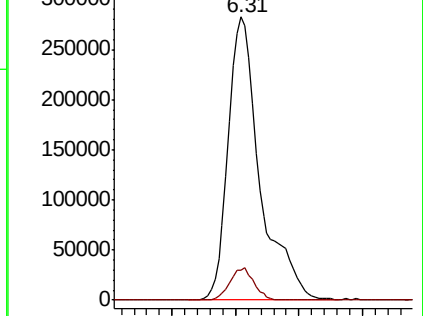
MMDadoda

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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: 20.099 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion: 63 Resp: 202586

Ion Ratio Lower Upper

63 100

98 7.1

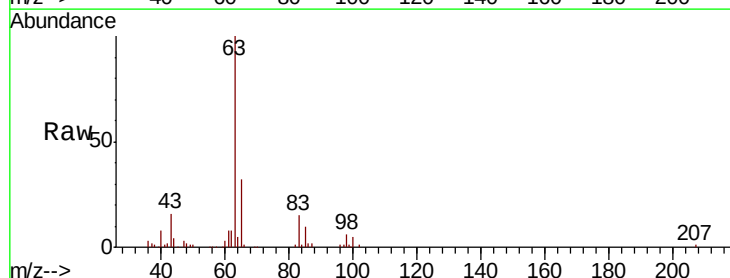
3.8

11.4

100 5.1

2.4

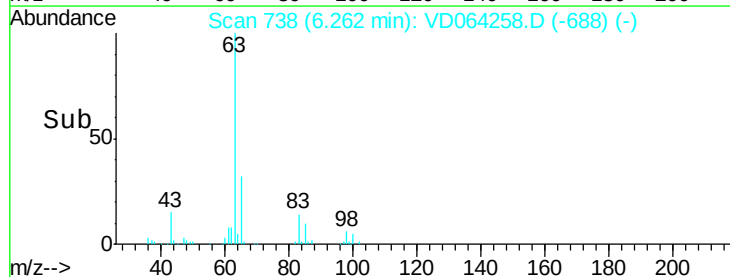
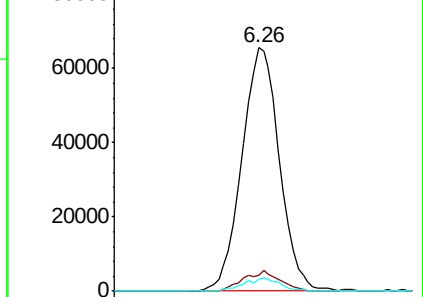
7.2

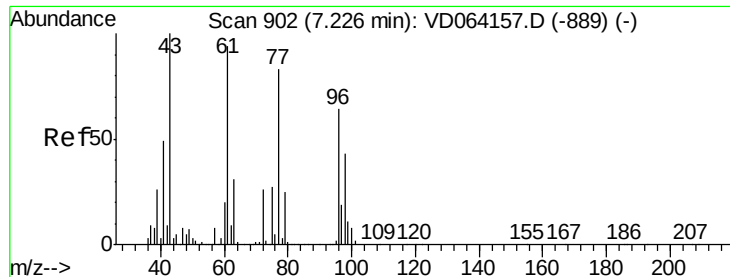


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 95.035 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 150645

Ion Ratio Lower Upper

43 100

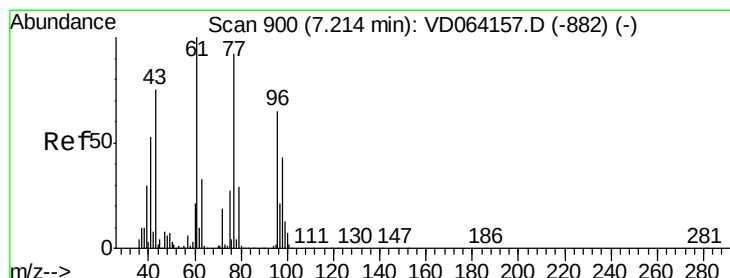
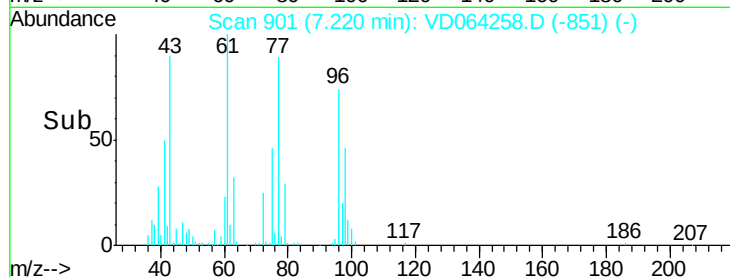
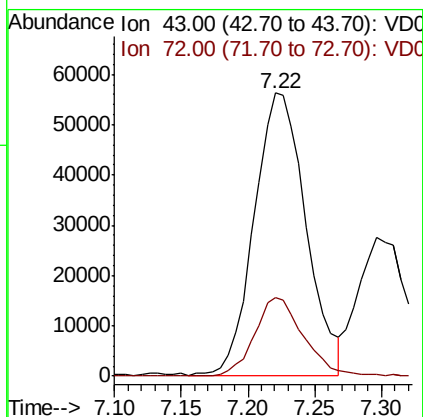
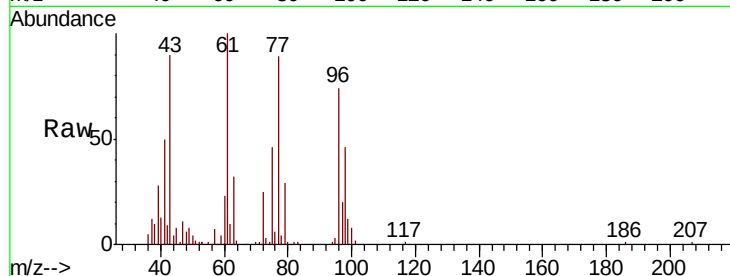
72 28.0 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 19.679 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD064258.D

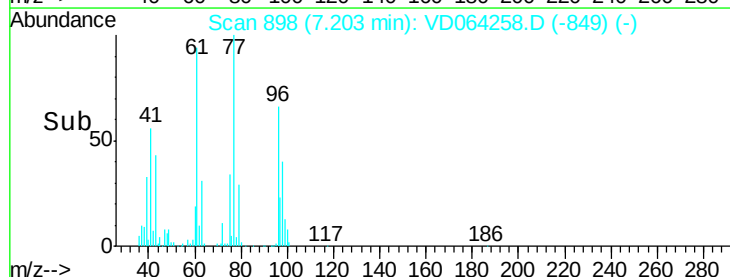
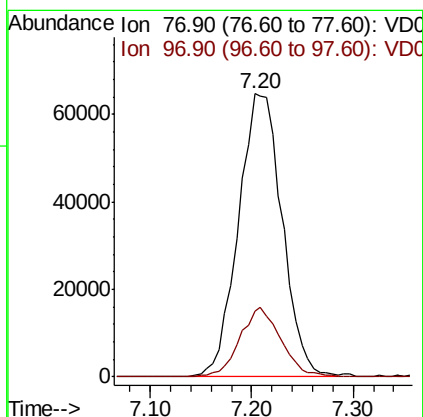
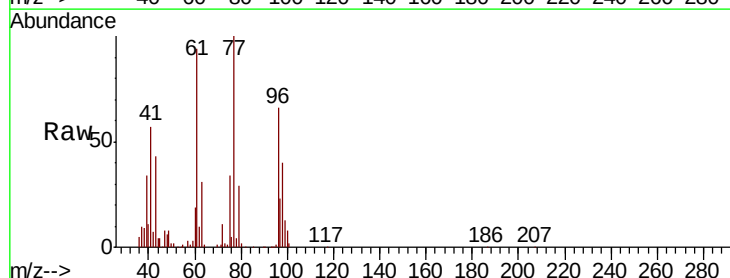
Acq: 18 Nov 2019 12:09

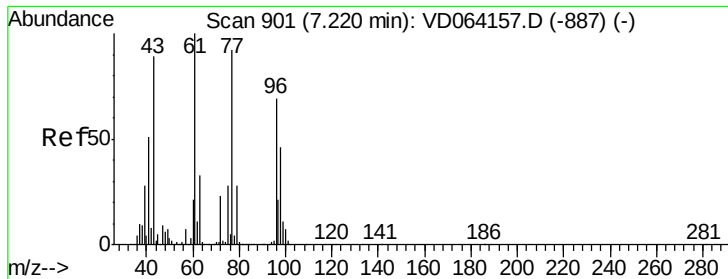
Tgt Ion: 77 Resp: 194521

Ion Ratio Lower Upper

77 100

97 23.2 11.1 33.3





#27

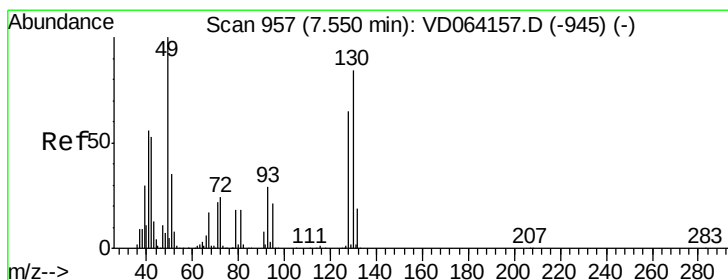
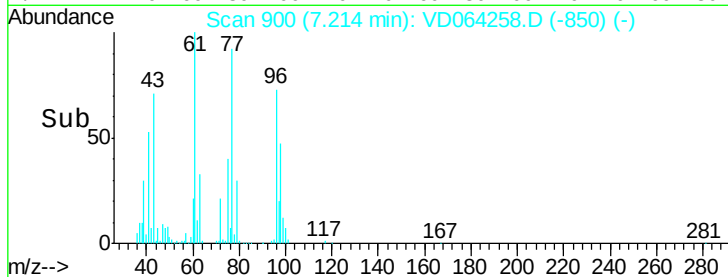
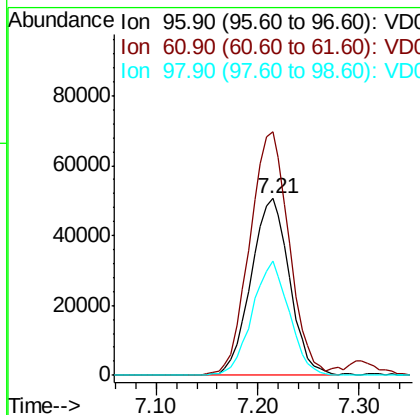
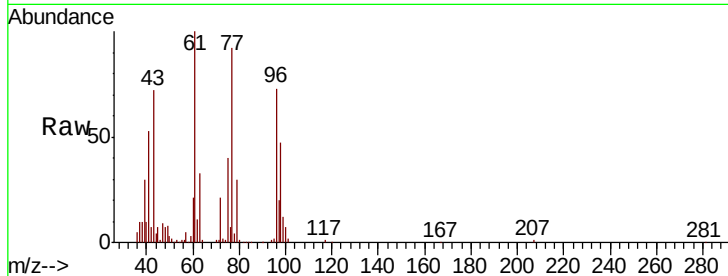
cis-1,2-Dichloroethene
 Concen: 20.916 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100				
61	140.7	0.0	301.4		
98	62.2	0.0	133.2		

Manual Integrations
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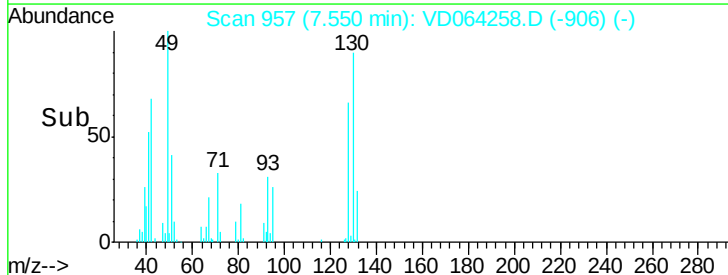
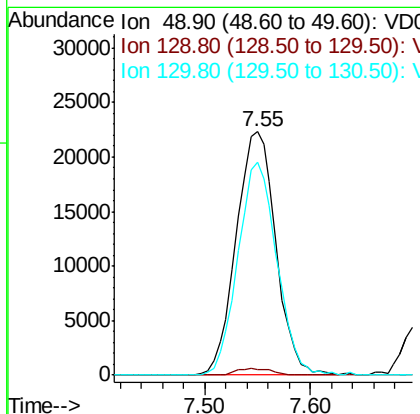
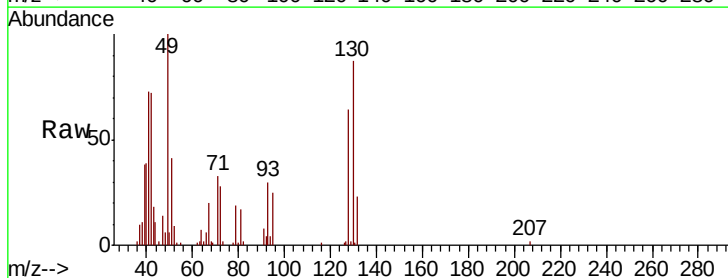
MMDadoda
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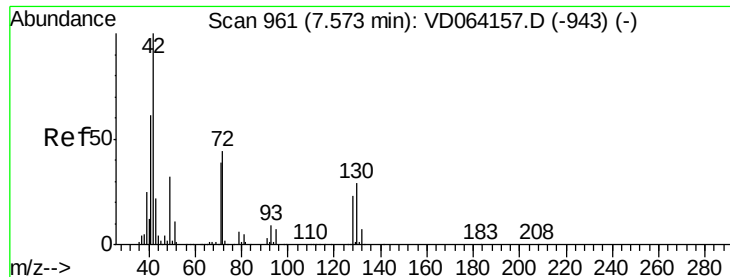


#28

Bromochloromethane
 Concen: 16.566 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100				
129	2.4	0.0	4.4		
130	86.0	66.8	100.2		





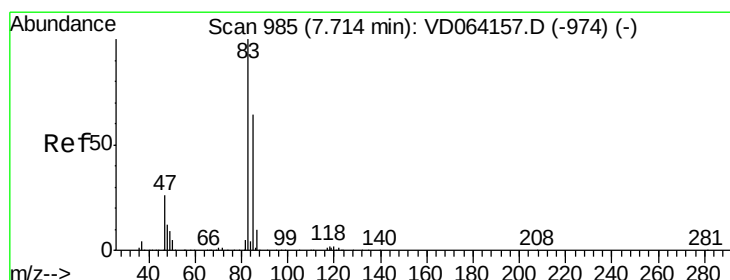
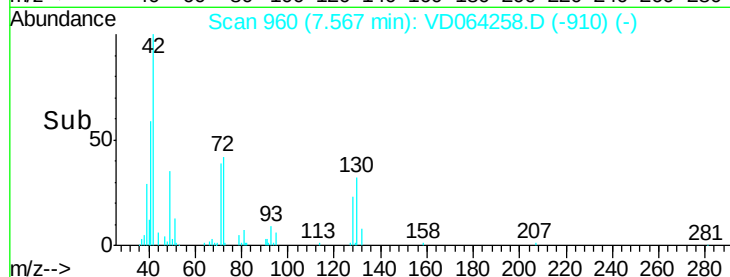
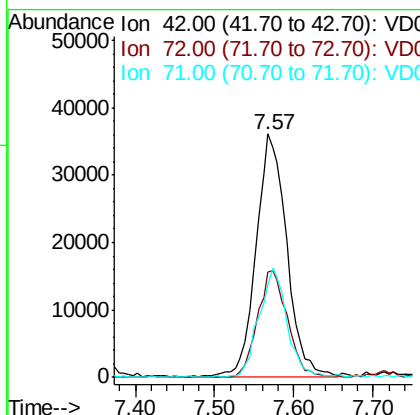
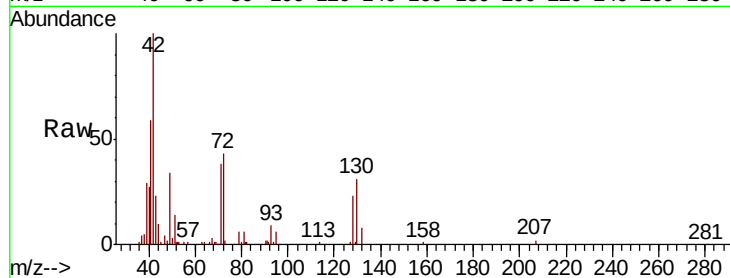
#29
Tetrahydrofuran
Concen: 102.869 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.4	50.2
71	40.8	31.0	46.4

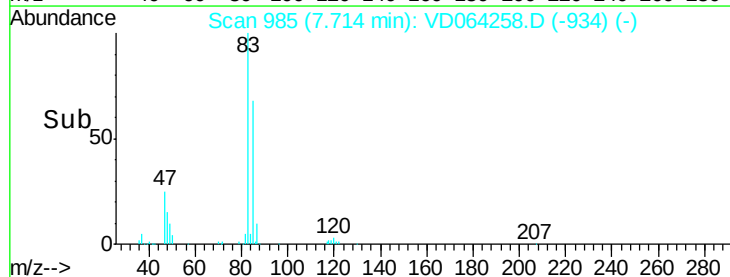
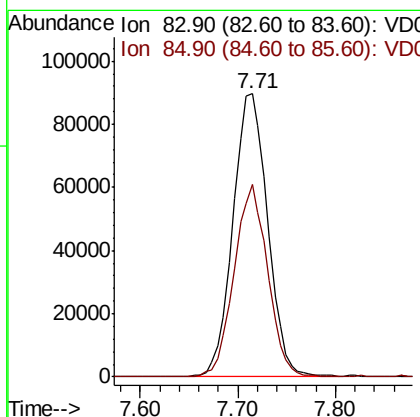
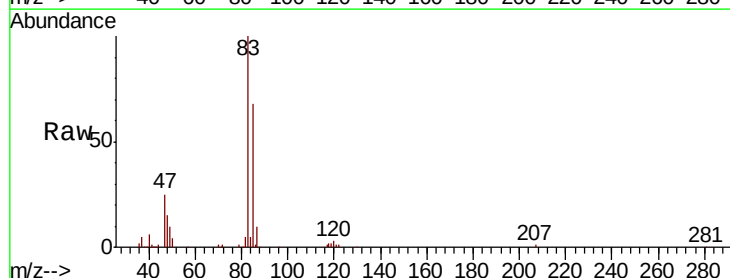
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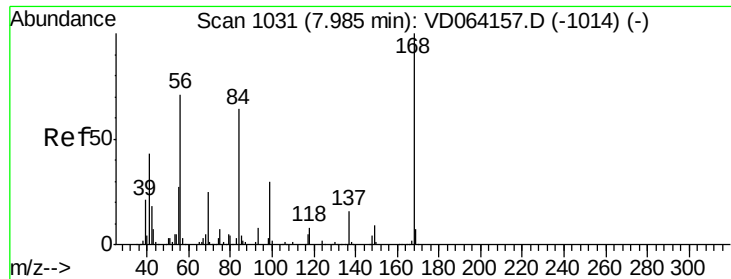
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#30
Chloroform
Concen: 21.459 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	51.4	77.0





#31

Cyclohexane

Concen: 20.024 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

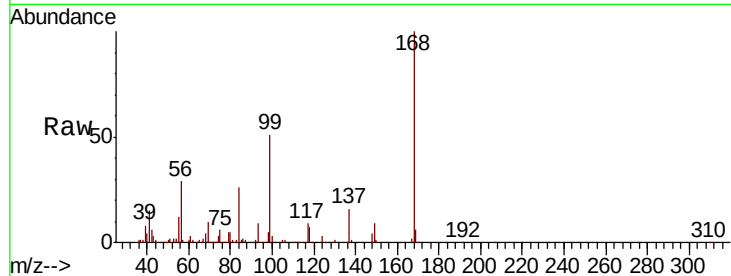
ClientSampleId :

VD1118SBS01

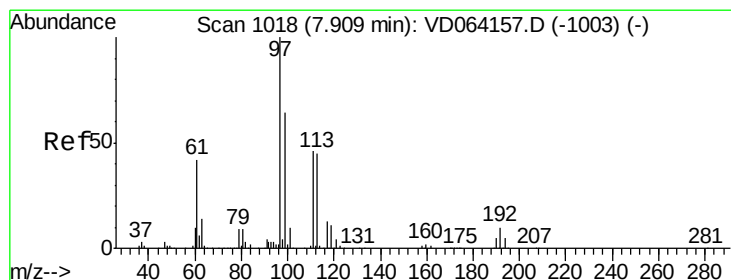
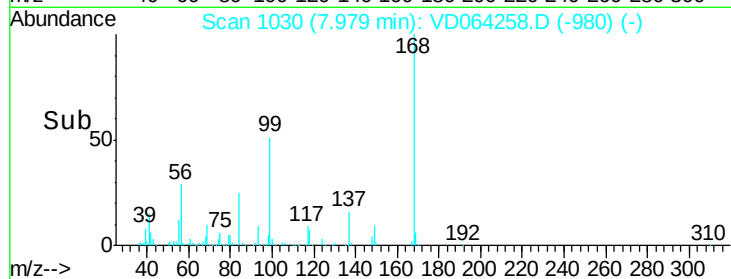
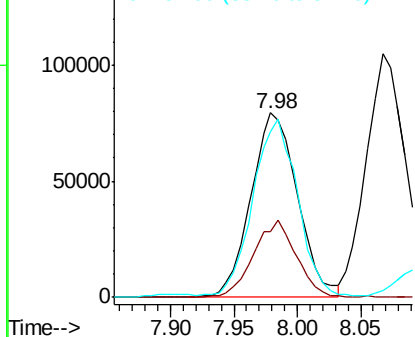
Tot Ion:	56	Resp:	203548
Ion Ratio	Lower	Upper	
56	100		
69	35.4	28.2	42.4
84	88.2	71.8	107.6

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: 19.971 ug/l

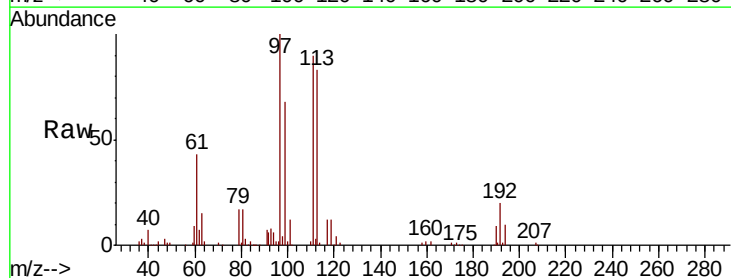
RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

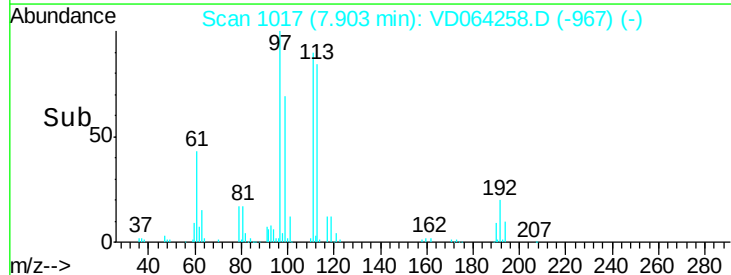
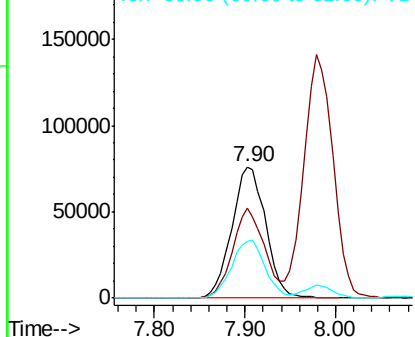
Lab File: VD064258.D

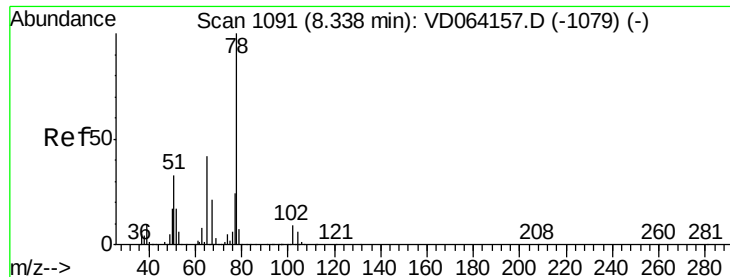
Acq: 18 Nov 2019 12:09

Tgt Ion:	97	Resp:	197157
Ion Ratio	Lower	Upper	
97	100		
99	63.9	51.6	77.4
61	43.4	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





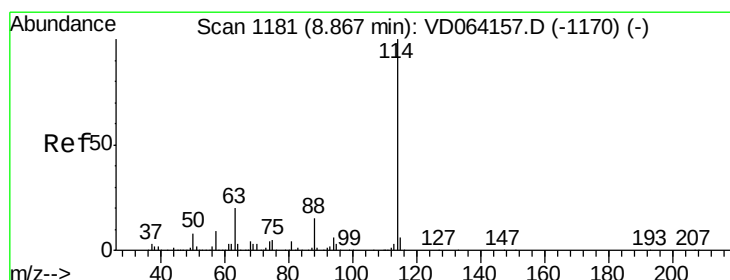
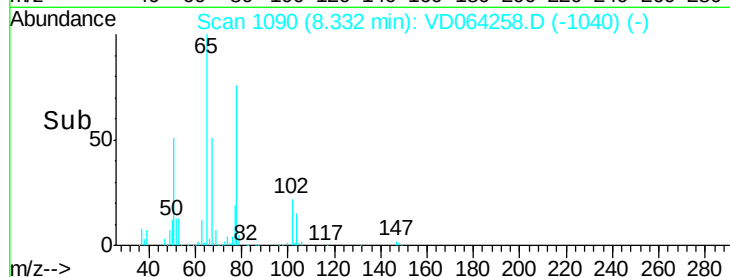
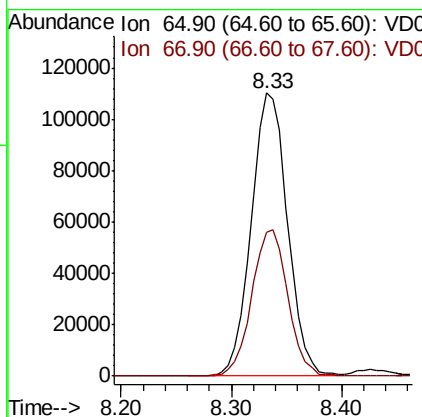
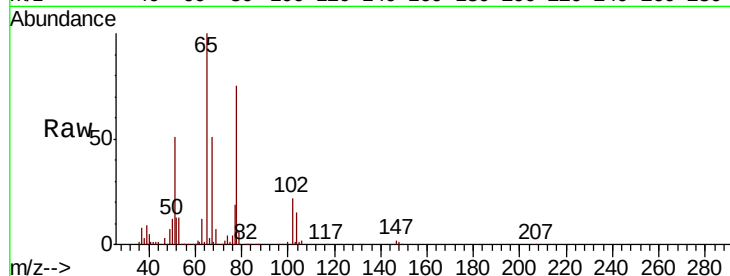
#33
 1,2-Dichloroethane-d4
 Concen: 49.032 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	104.4	

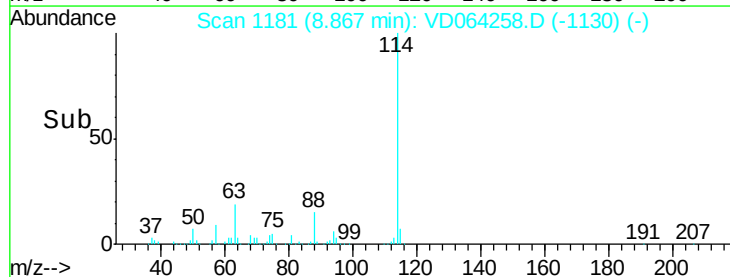
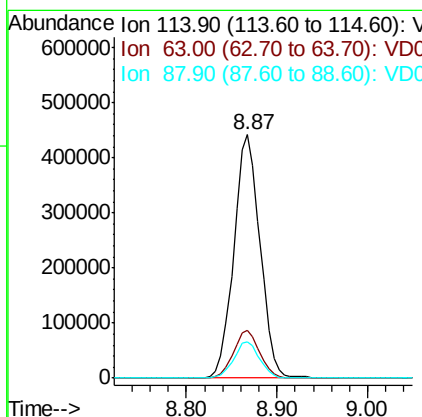
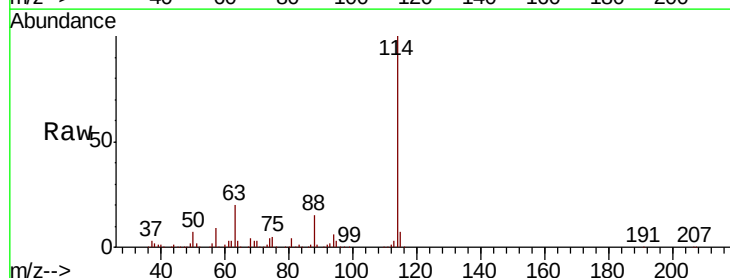
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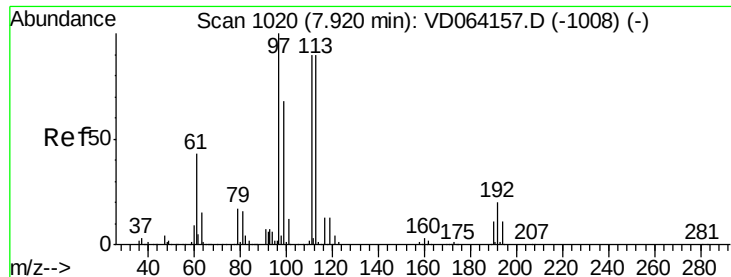
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.5	0.0	40.0	
88	14.8	0.0	30.2	





#35

Dibromofluoromethane

Concen: 50.315 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

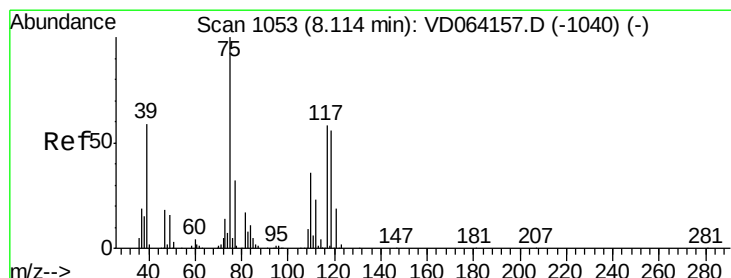
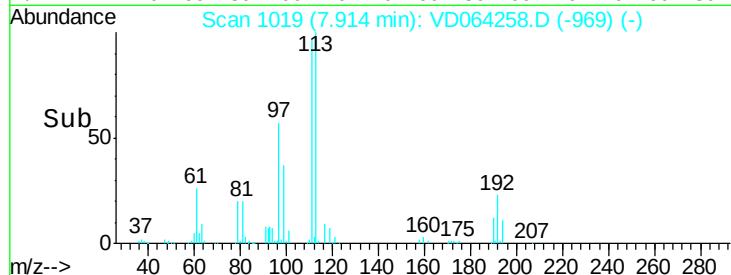
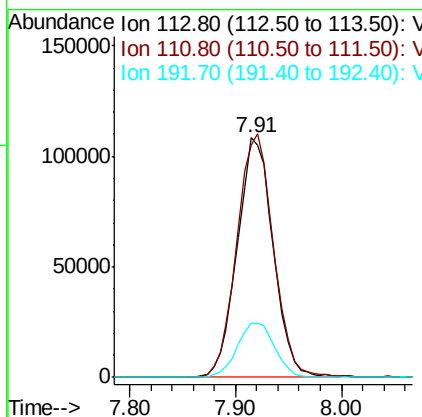
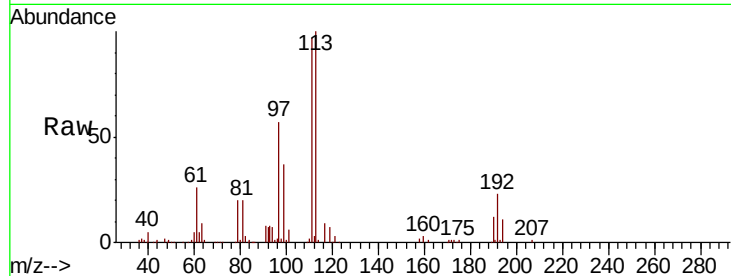
ClientSampleId :

VD1118SBS01

Tot Ion:	113	Resp:	256497
Ion Ratio	Lower	Upper	
113	100		
111	103.8	81.5	122.3
192	23.6	18.8	28.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.364 ug/l

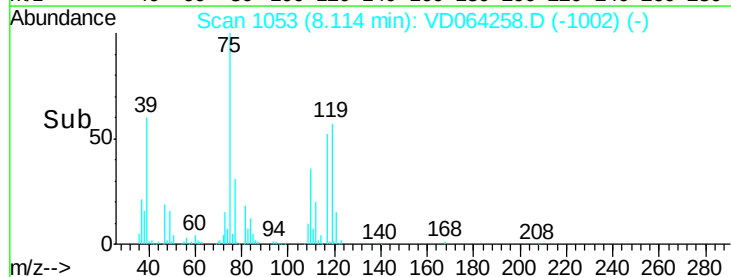
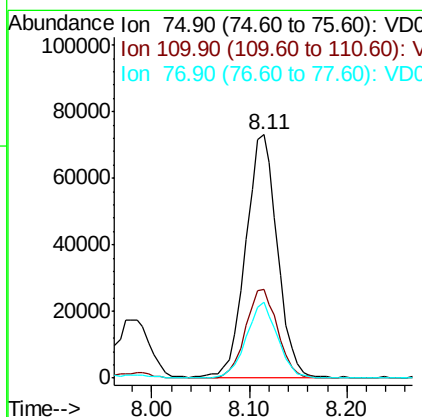
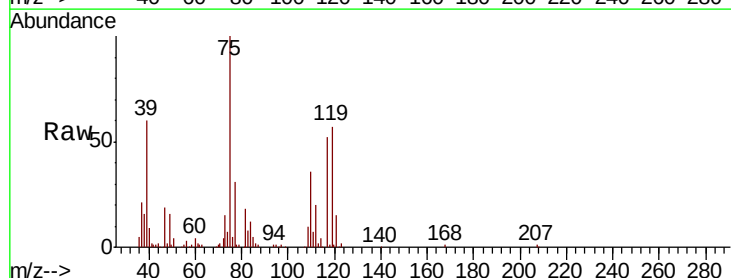
RT: 8.11 min Scan# 1053

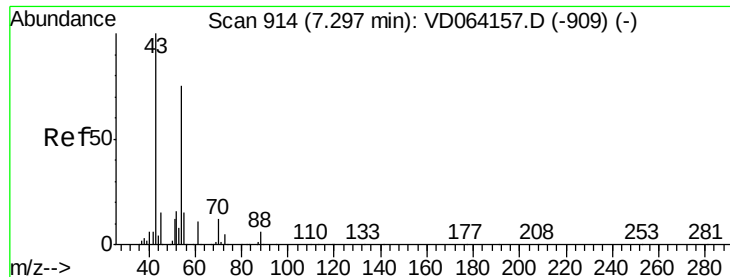
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	75	Resp:	166912
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.3	54.9
77	30.6	25.0	37.6





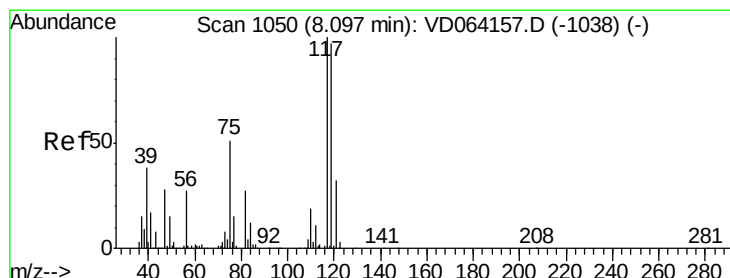
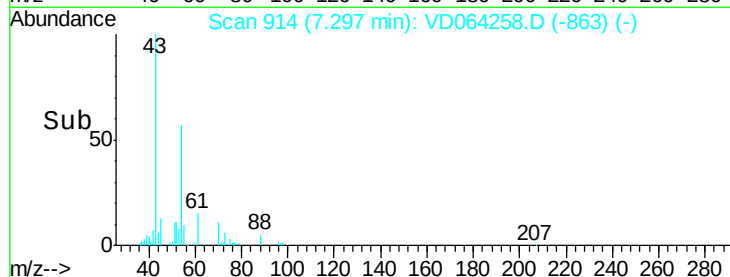
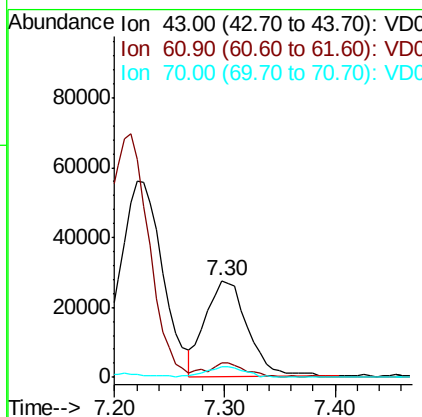
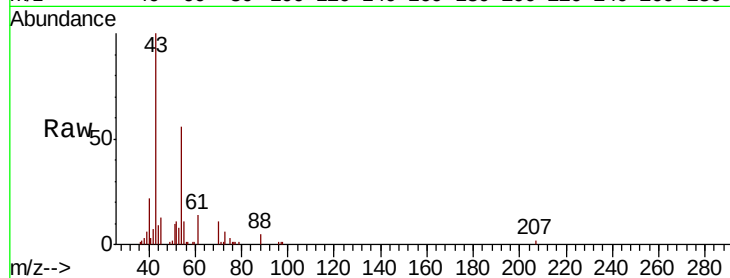
#37
Ethyl Acetate
Concen: 21.073 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	10.7	8.5	12.7

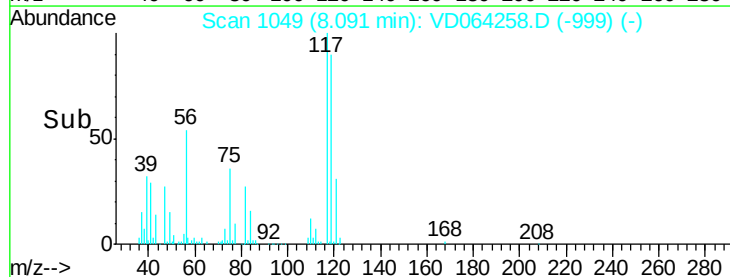
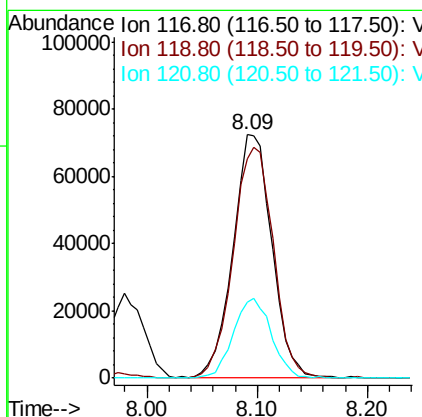
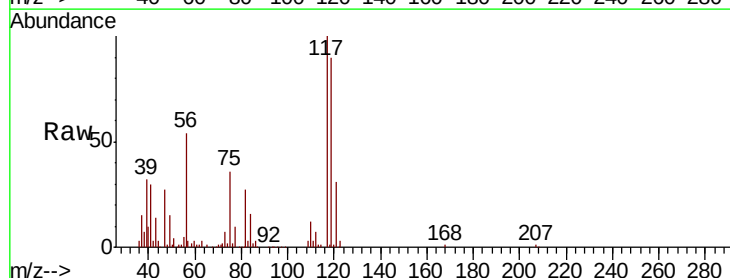
Manual Integrations
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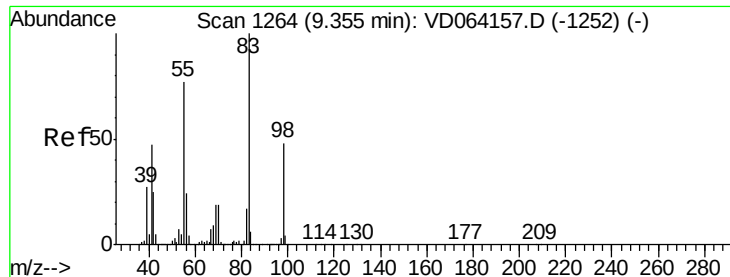
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.390 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	77.2	115.8
121	31.5	25.5	38.3





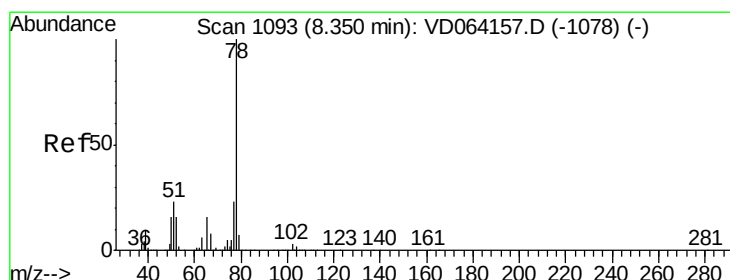
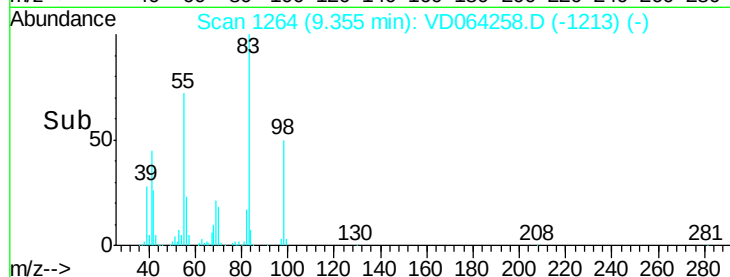
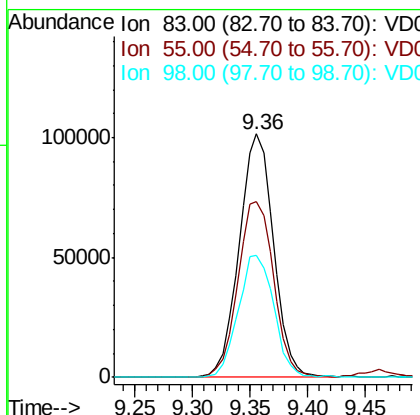
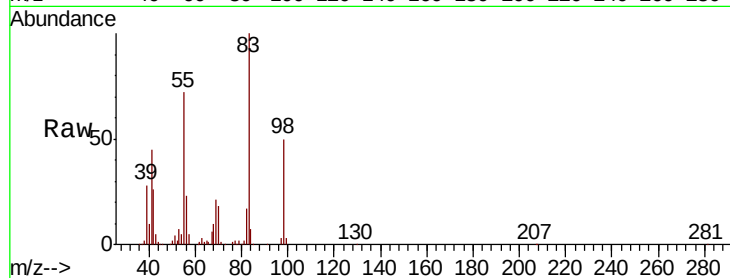
#39
Methylvlcyclohexane
Concen: 20.319 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	61.7	92.5
98	49.9	38.6	58.0

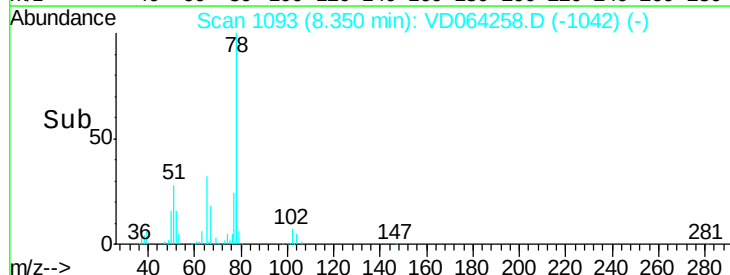
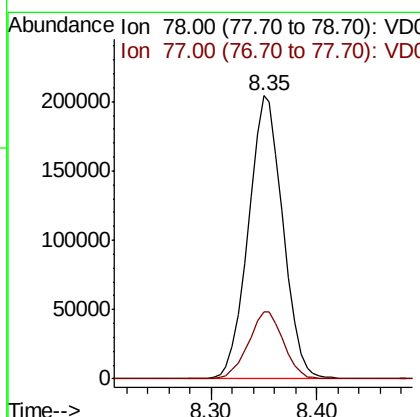
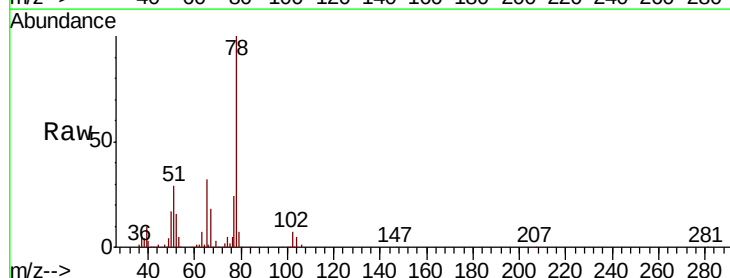
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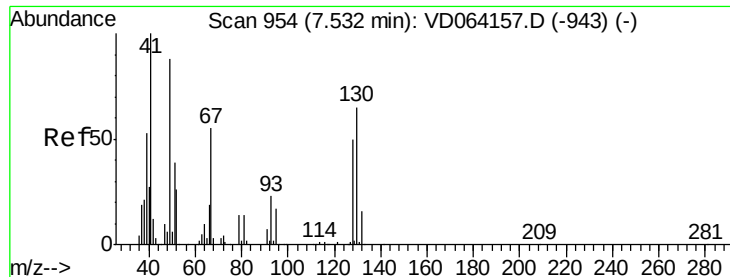
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#40
Benzene
Concen: 20.658 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.6	28.0





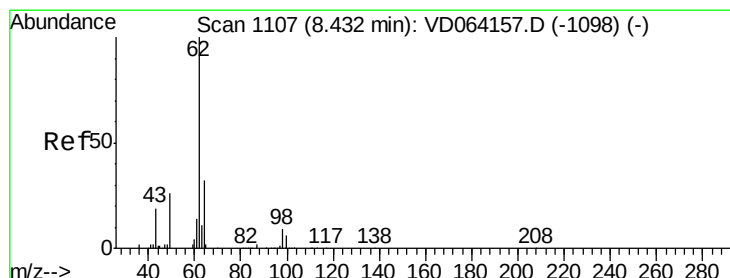
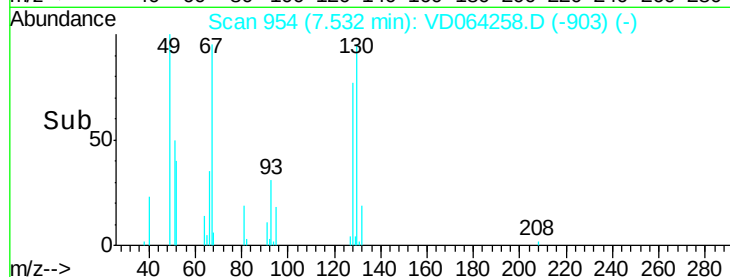
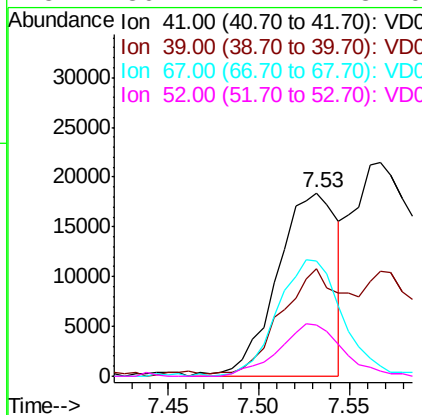
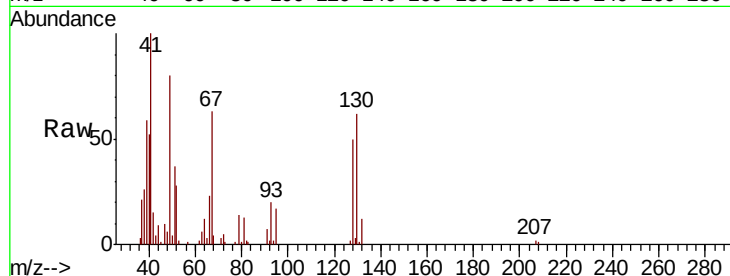
#41
Methacrylonitrile
Concen: 19.519 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	66.8	49.4	74.2
67	68.5	49.6	74.4
52	30.4	21.4	32.0

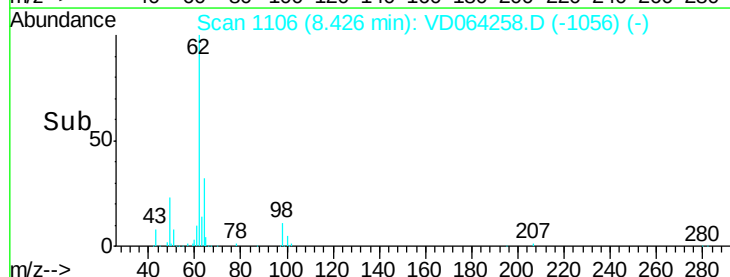
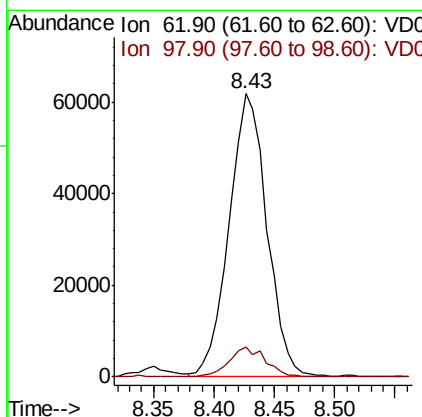
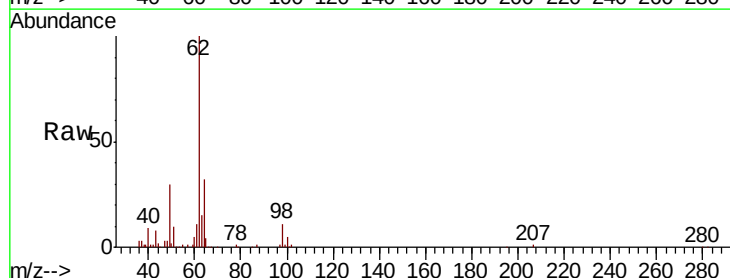
Manual Integrations
APPROVED

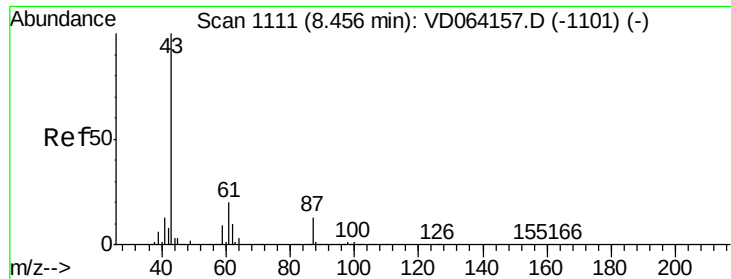
MMDadoda
11/20/2019 1:11:49 PM



#42
1,2-Dichloroethane
Concen: 20.046 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.0





#43

Isopropyl Acetate

Concen: 19.604 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

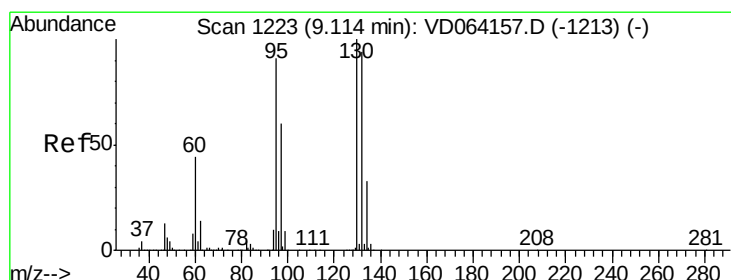
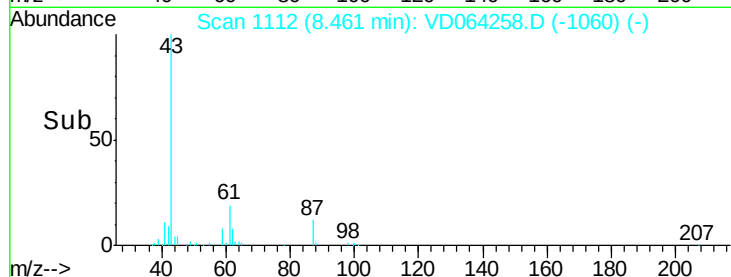
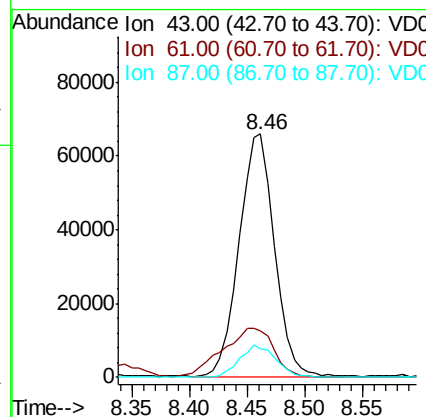
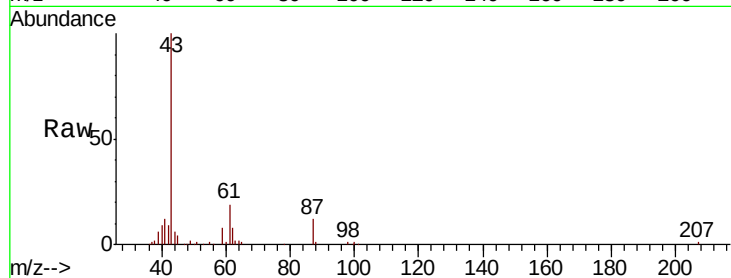
ClientSampleId :

VD1118SBS01

Tot Ion:	43	Resp:	139571
Ion	Ratio	Lower	Upper
43	100		
61	29.6	22.9	34.3
87	13.7	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 20.724 ug/l

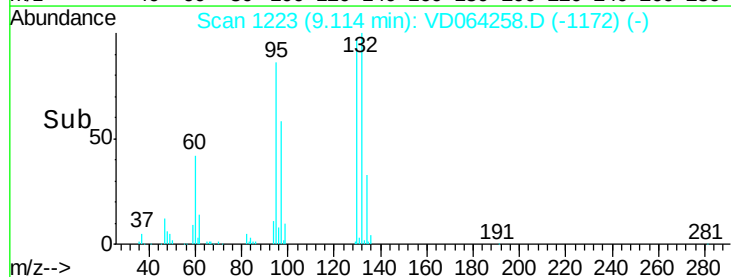
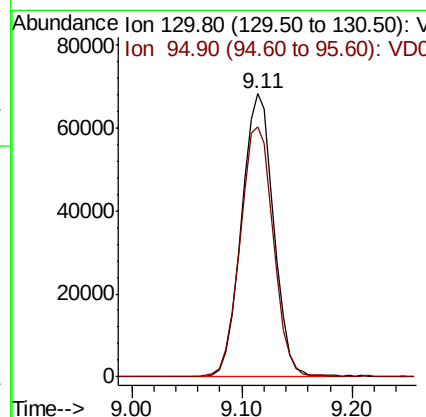
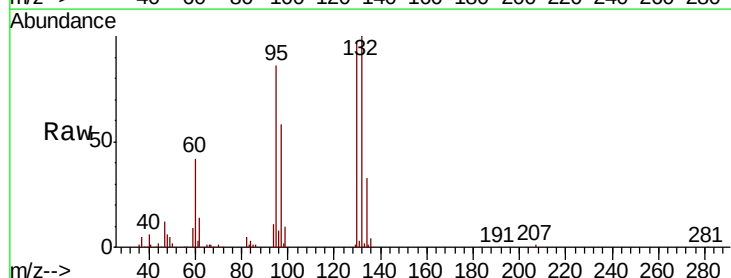
RT: 9.11 min Scan# 1223

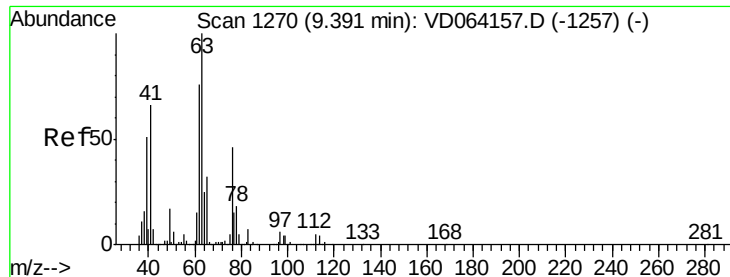
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	130	Resp:	139333
Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	181.6





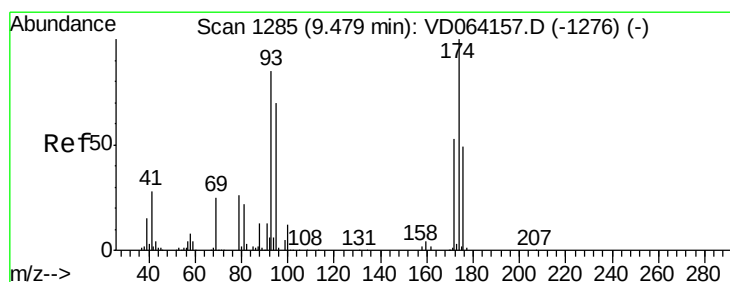
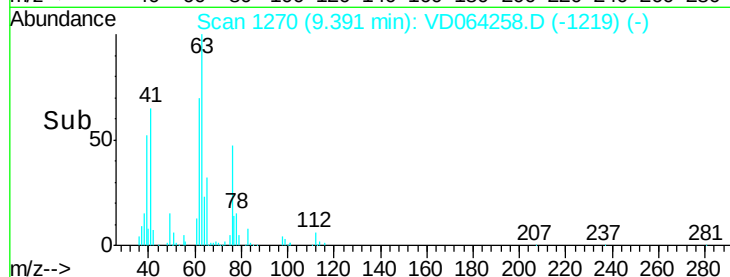
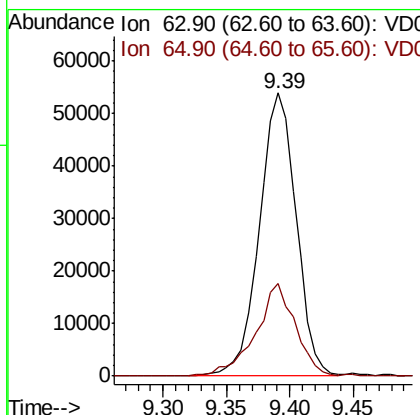
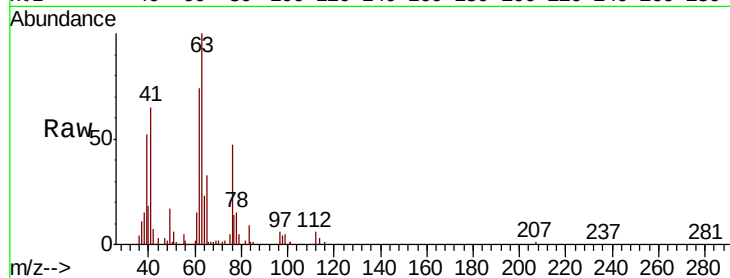
#45
 1,2-Dichloropropane
 Concen: 20.039 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion	63	Resp	109261
Ion Ratio	Lower	Upper	
63	100		
65	32.7	25.7	38.5

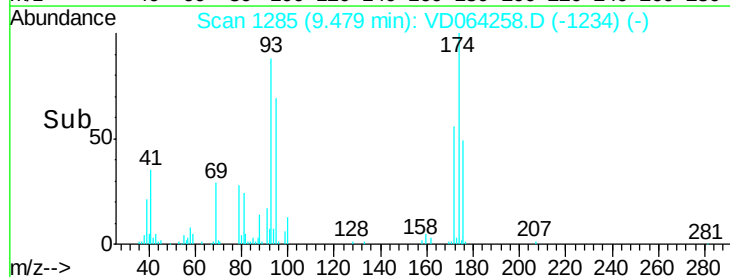
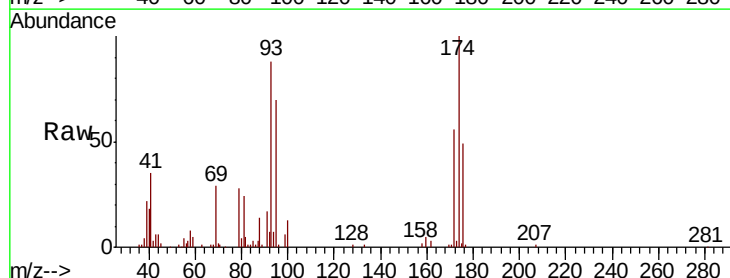
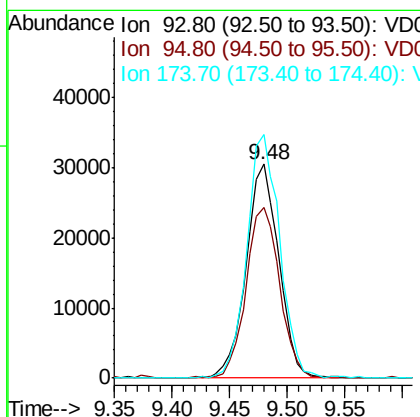
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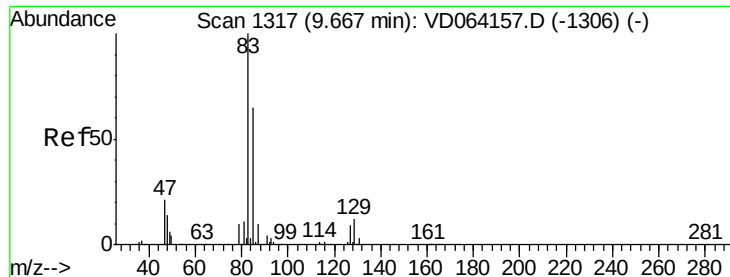
MMDadoda
 11/20/2019 1:11:49 PM



#46
 Dibromomethane
 Concen: 20.649 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	93	Resp	60272
Ion Ratio	Lower	Upper	
93	100		
95	82.1	65.5	98.3
174	114.4	93.9	140.9





#47

Bromodichloromethane

Concen: 20.680 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

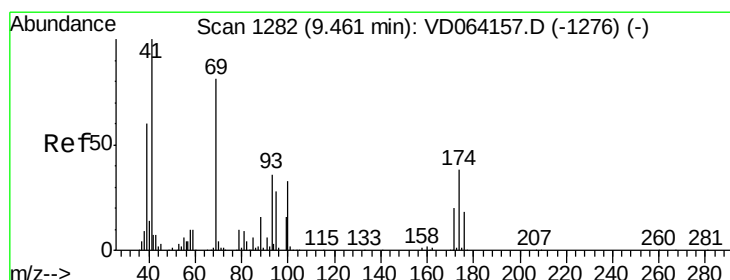
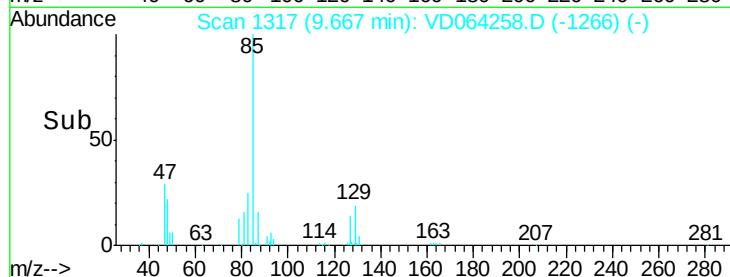
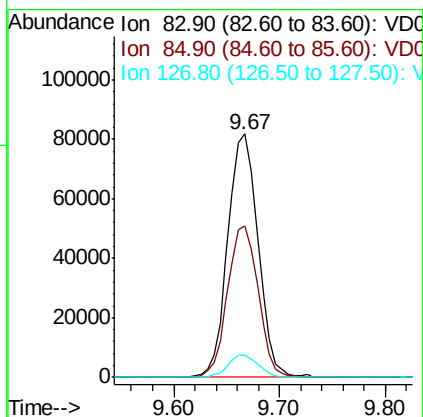
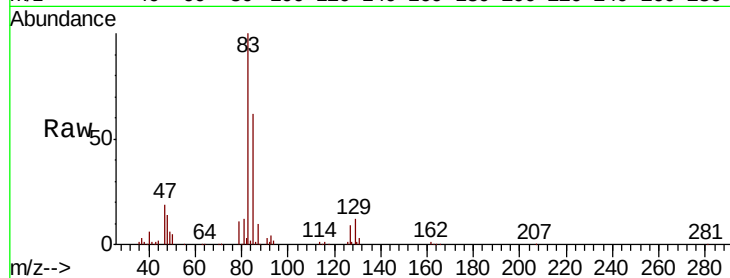
ClientSampleId :

VD1118SBS01

Tot Ion:	83	Resp:	162592
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.2	78.4
127	8.9	7.5	11.3

Manual Integrations
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MMDadoda
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#48

Methyl methacrylate

Concen: 18.487 ug/l

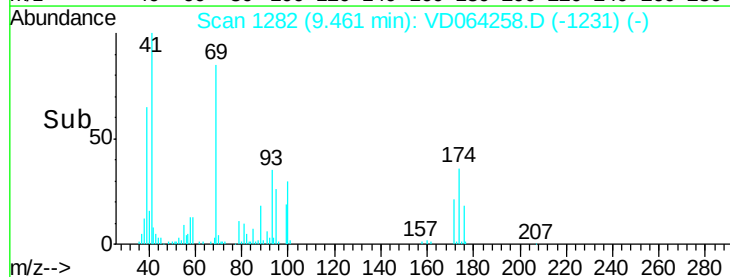
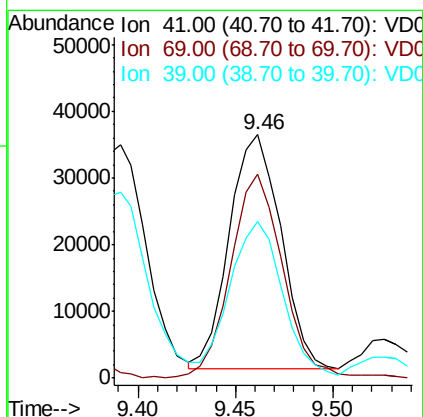
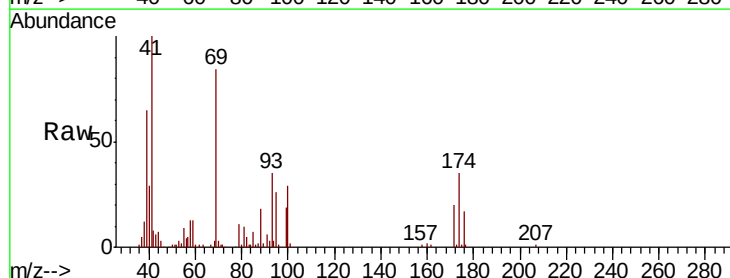
RT: 9.46 min Scan# 1282

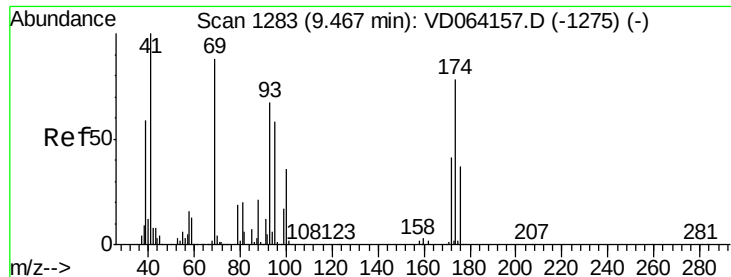
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	41	Resp:	64358
Ion	Ratio	Lower	Upper
41	100		
69	88.4	64.6	97.0
39	66.2	48.2	72.2





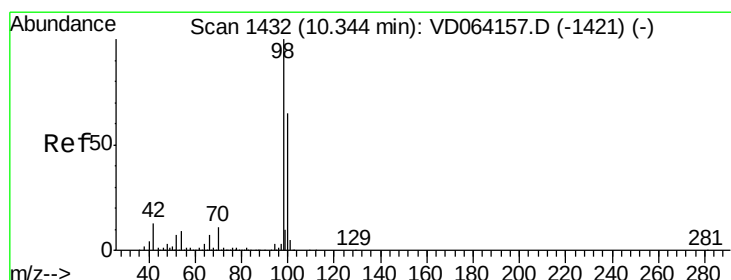
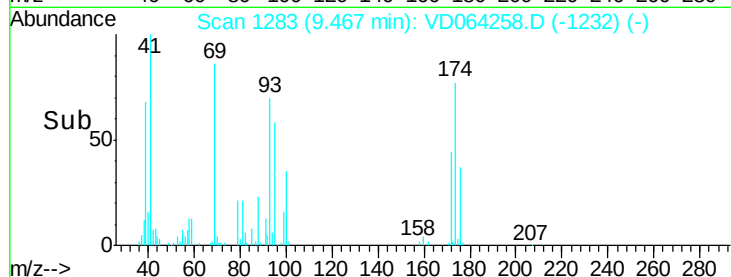
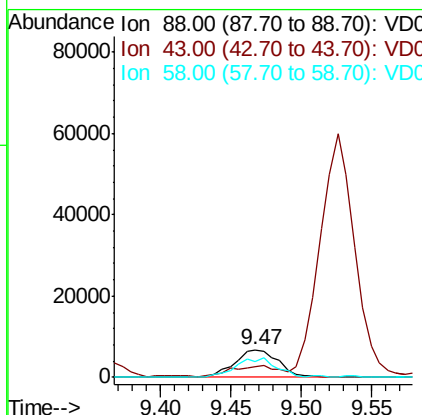
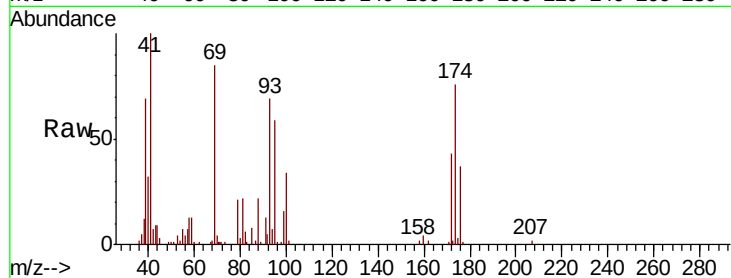
#49
1,4-Dioxane
Concen: 416.047 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	43.0	29.8	44.8
58	65.6	58.1	87.1

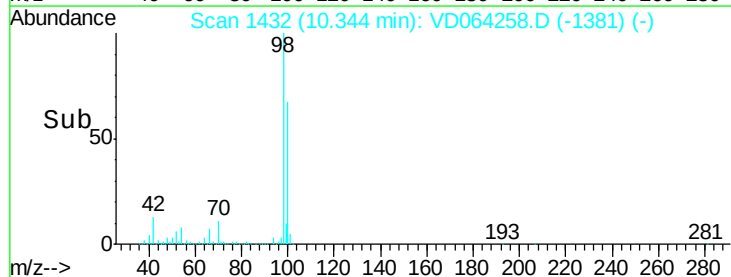
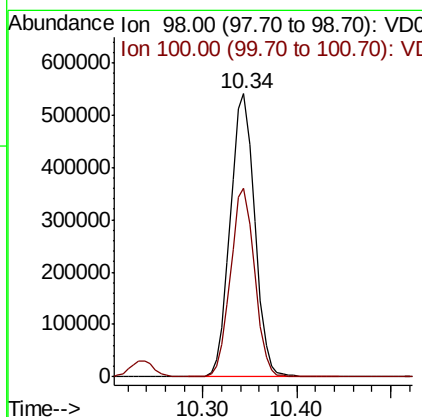
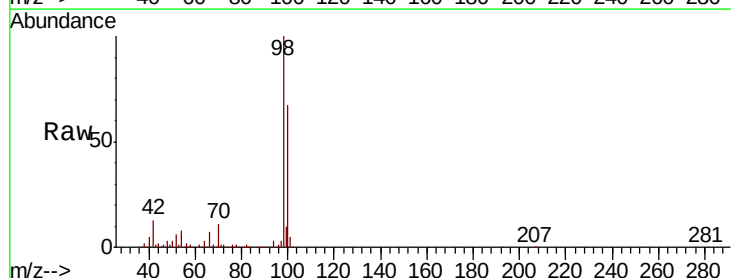
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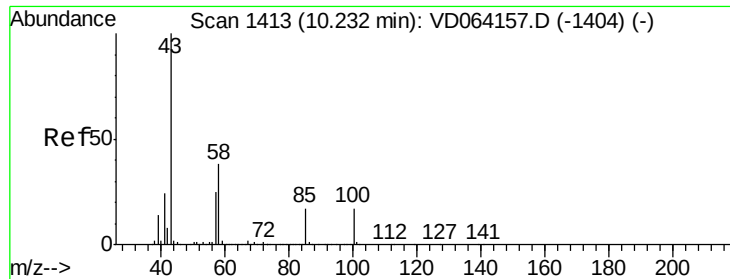
MMDadoda
11/20/2019 1:11:49 PM



#50
Toluene-d8
Concen: 50.944 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.6	78.8





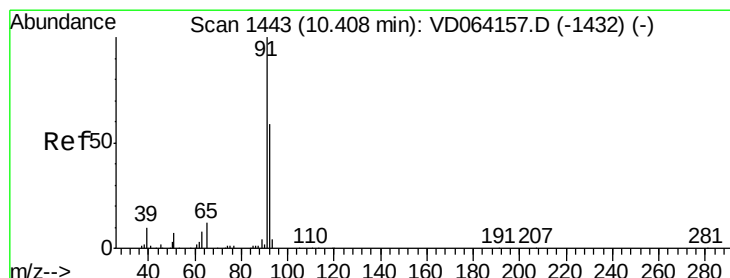
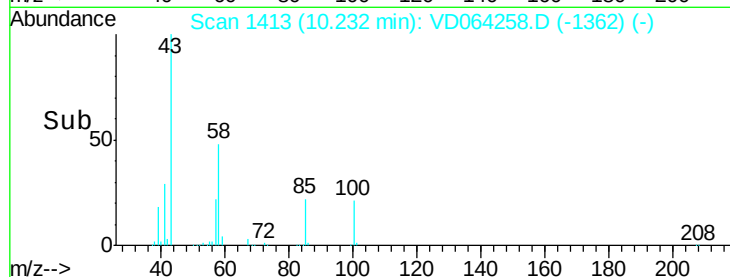
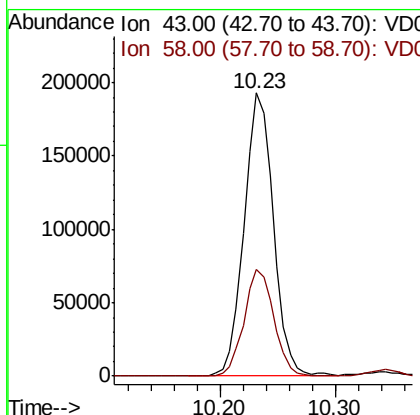
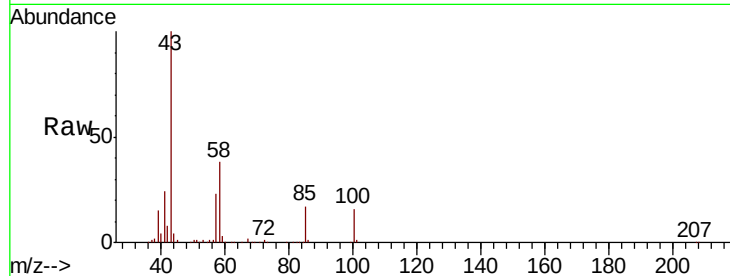
#51
4-Methyl-2-Pentanone
Concen: 99.551 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 43 Resp: 339879
Ion Ratio Lower Upper
43 100
58 38.6 30.2 45.4

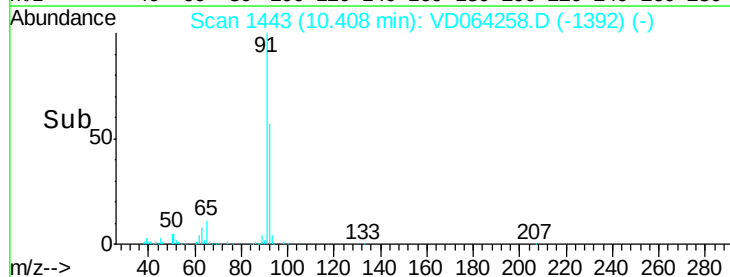
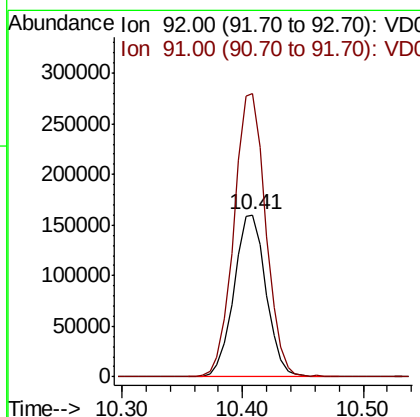
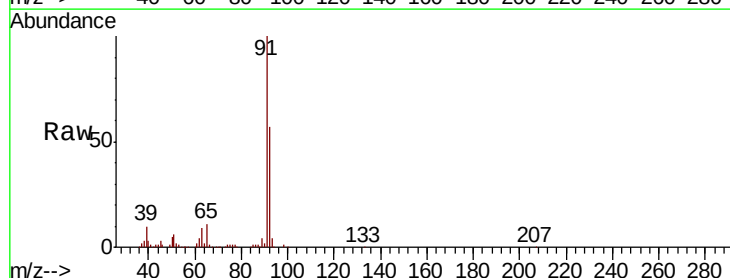
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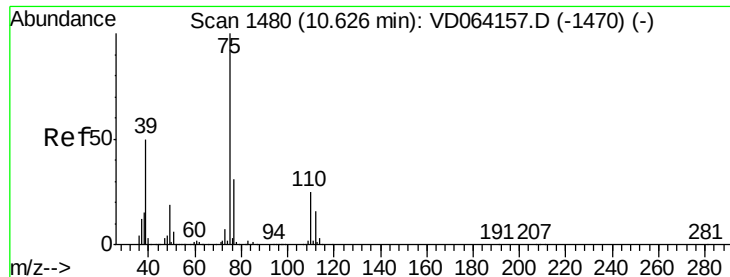
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#52
Toluene
Concen: 20.220 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 92 Resp: 297838
Ion Ratio Lower Upper
92 100
91 173.5 136.4 204.6





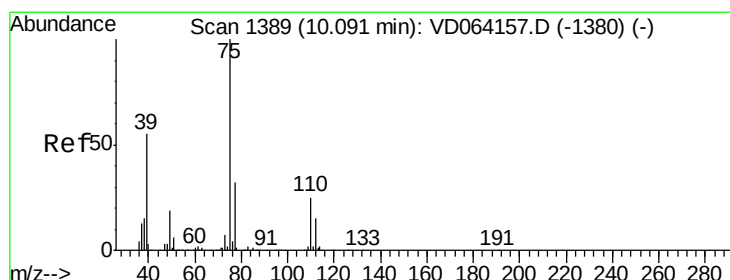
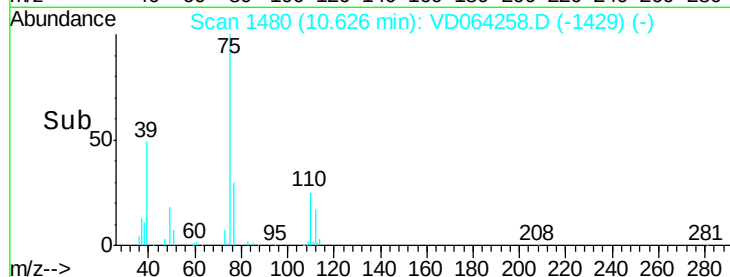
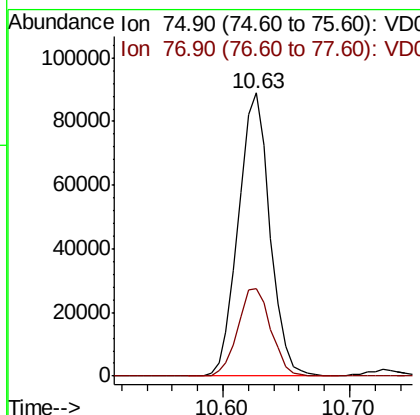
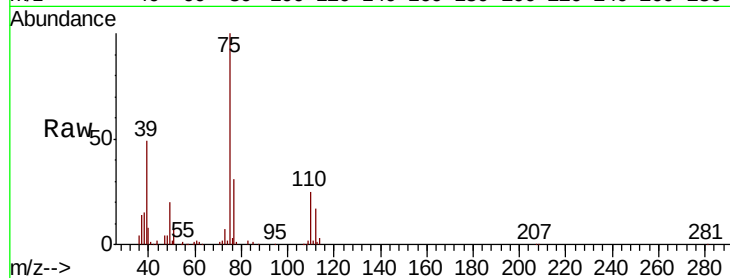
#53
t-1,3-Dichloropropene
Concen: 19.547 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 75 Resp: 153973
Ion Ratio Lower Upper
75 100
77 31.0 24.7 37.1

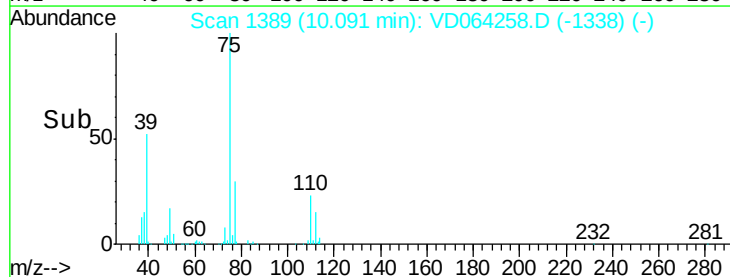
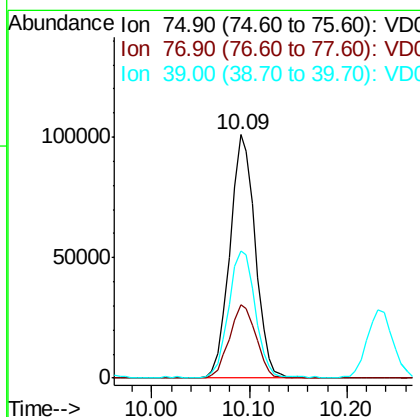
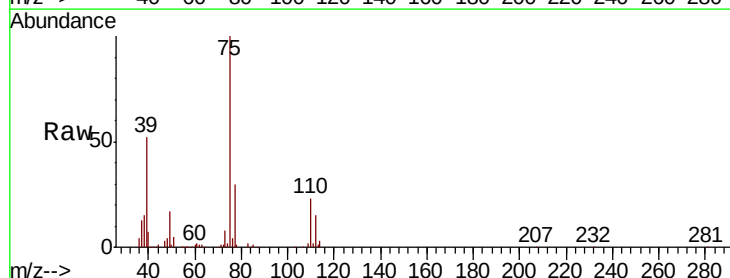
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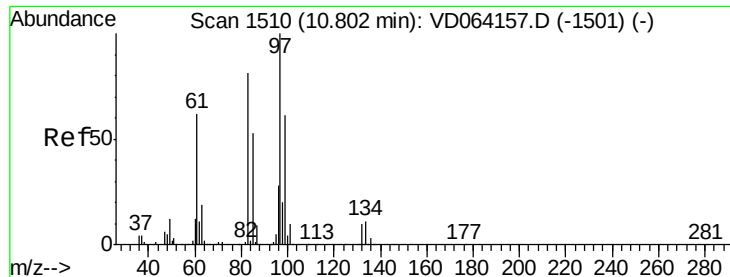
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 19.789 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 75 Resp: 181894
Ion Ratio Lower Upper
75 100
77 30.1 25.2 37.8
39 52.1 44.2 66.2





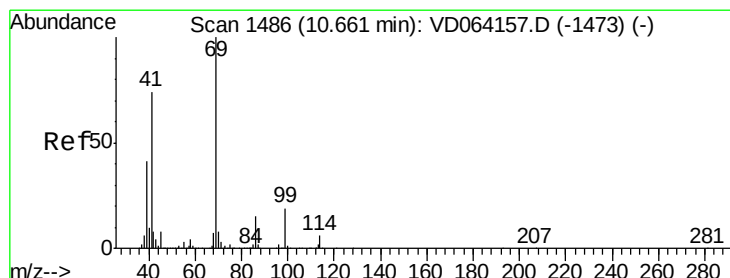
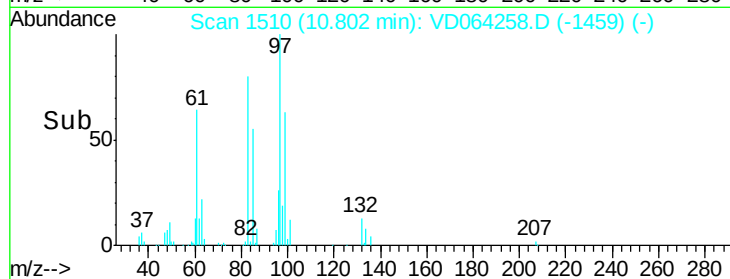
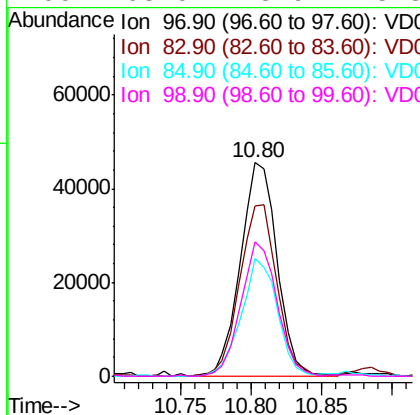
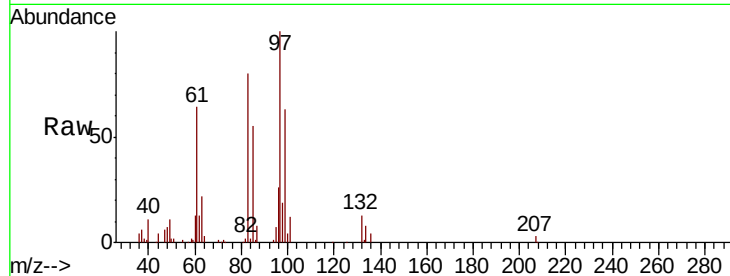
#55
 1,1,2-Trichloroethane
 Concen: 21.019 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion:	97	Resp:	83230
Ion	Ratio	Lower	Upper
97	100		
83	79.7	65.1	97.7
85	55.0	42.0	63.0
99	63.0	48.9	73.3

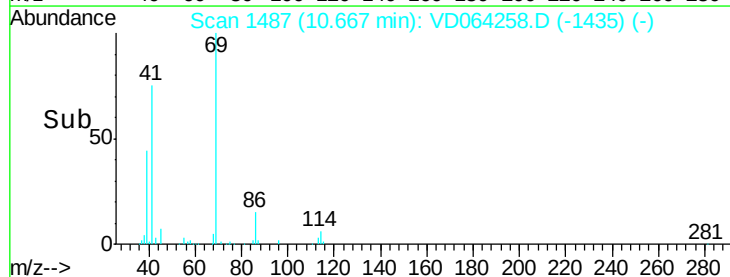
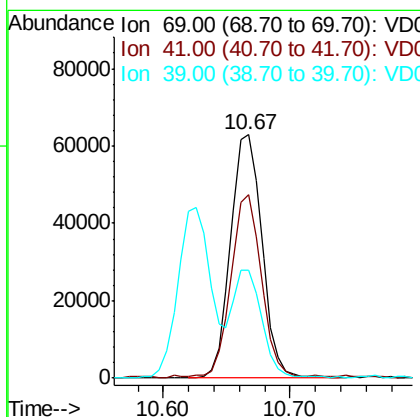
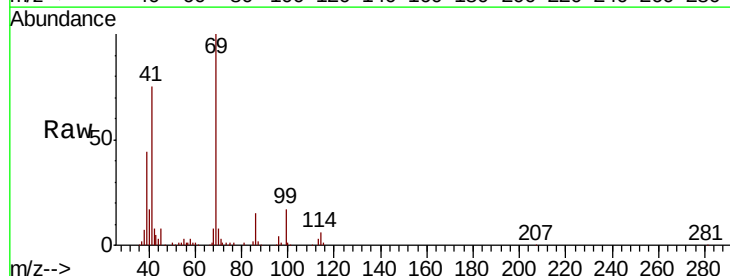
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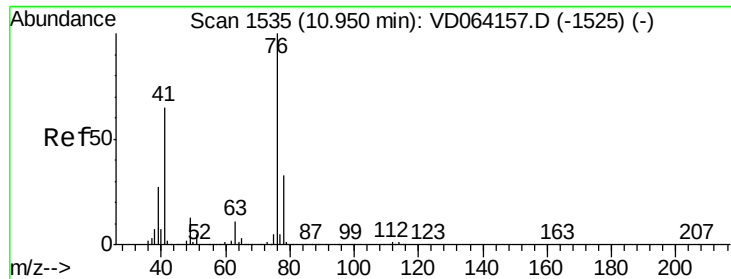
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#56
 Ethyl methacrylate
 Concen: 19.569 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion:	69	Resp:	108396
Ion	Ratio	Lower	Upper
69	100		
41	74.2	57.9	86.9
39	40.0	29.0	43.4





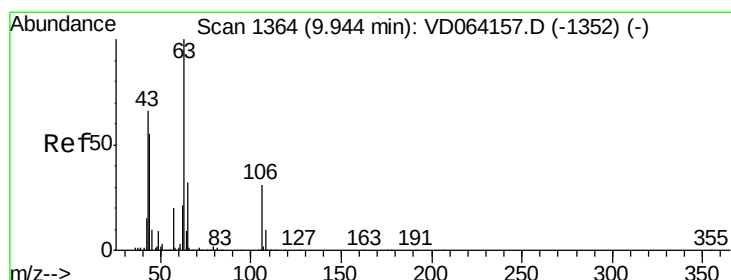
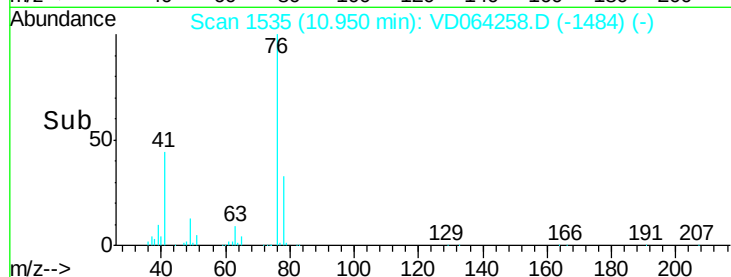
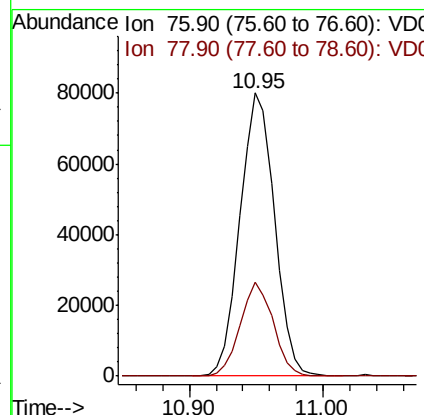
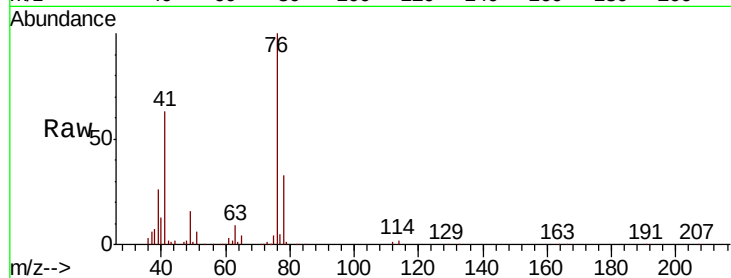
#57
 1,3-Dichloropropane
 Concen: 20.718 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.8	26.2	39.4

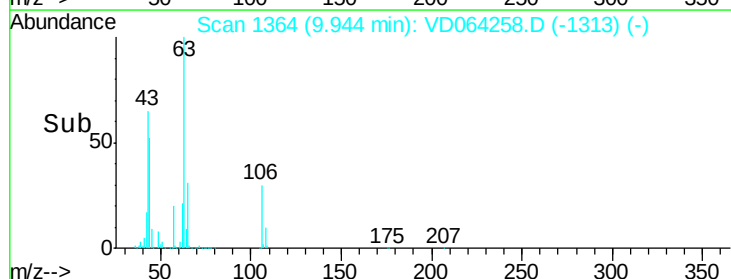
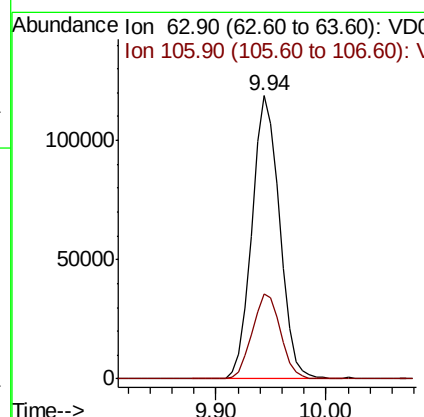
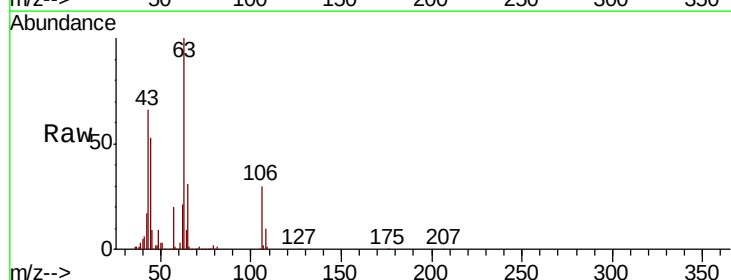
Manual Integrations
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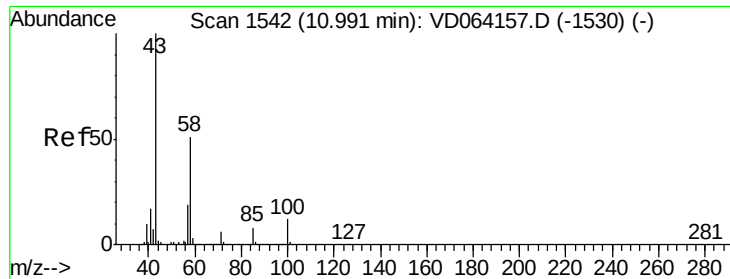
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 11/20/2019 1:11:49 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 93.398 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.9	24.1	36.1





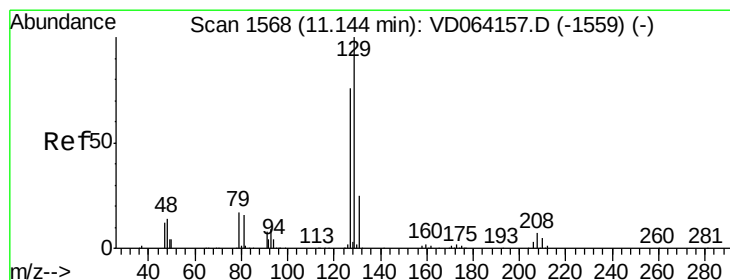
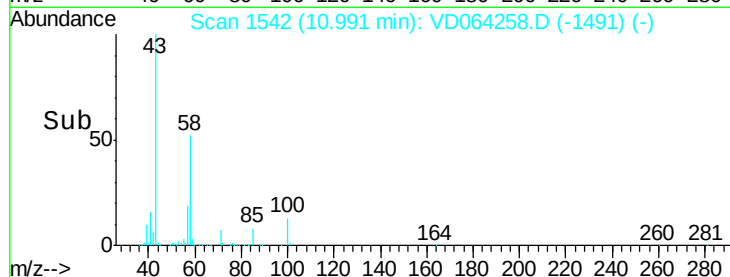
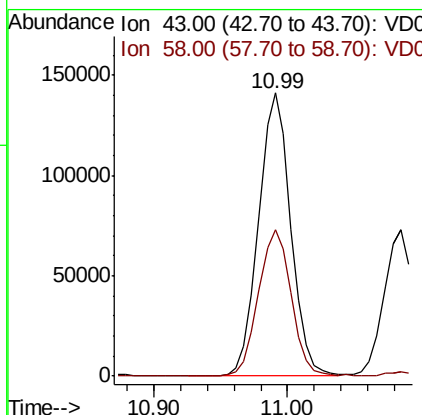
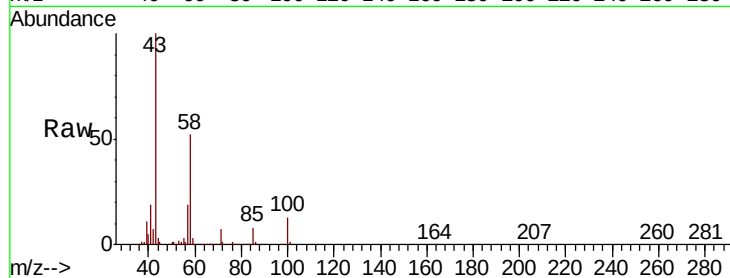
#59
2-Hexanone
Concen: 96.882 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion: 43 Resp: 235322
Ion Ratio Lower Upper
43 100
58 52.7 25.9 77.7

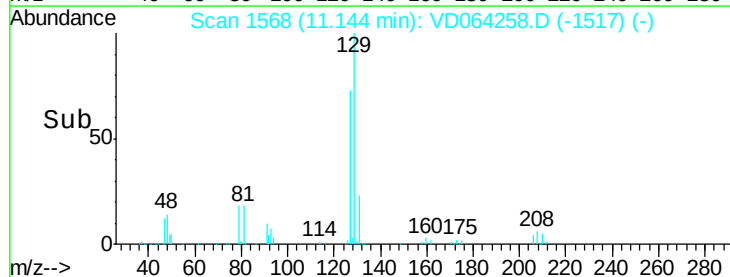
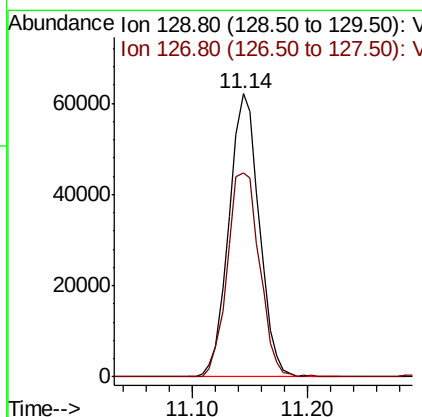
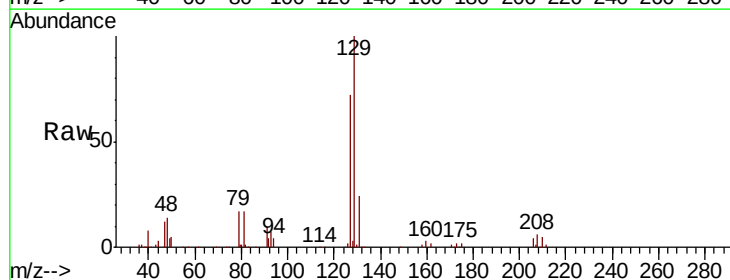
Manual Integrations
APPROVED

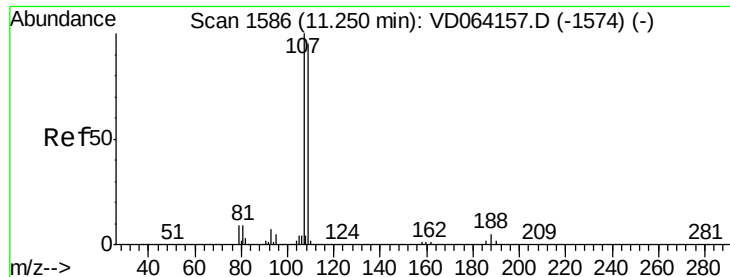
MMDadoda
11/20/2019 1:11:49 PM



#60
Dibromochloromethane
Concen: 20.443 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 129 Resp: 112956
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





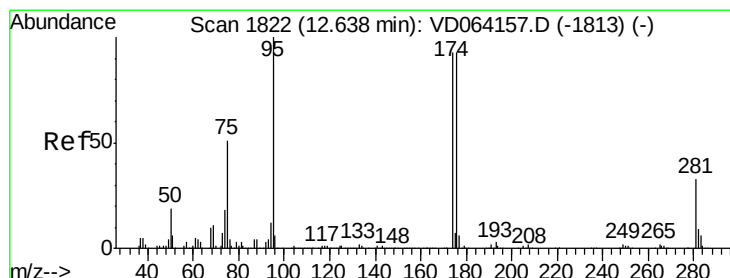
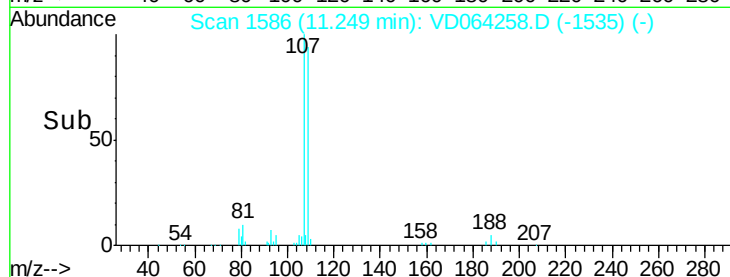
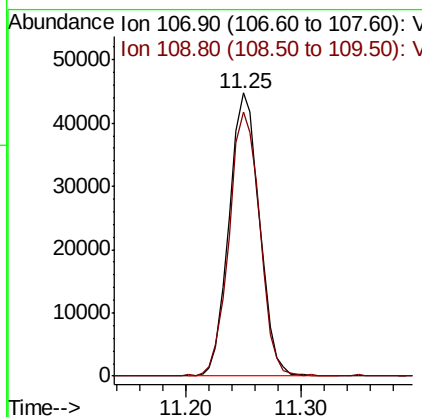
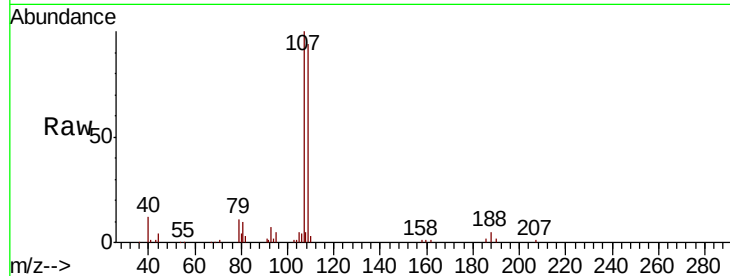
#61
 1,2-Dibromoethane
 Concen: 20.588 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.1	112.7

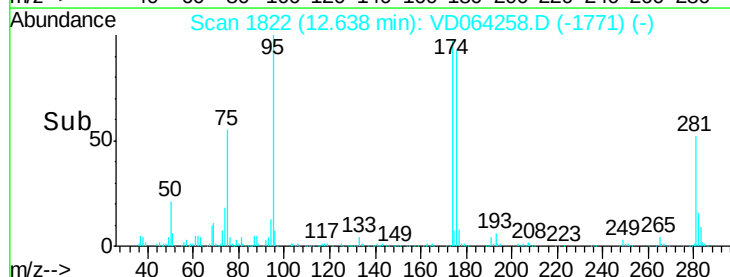
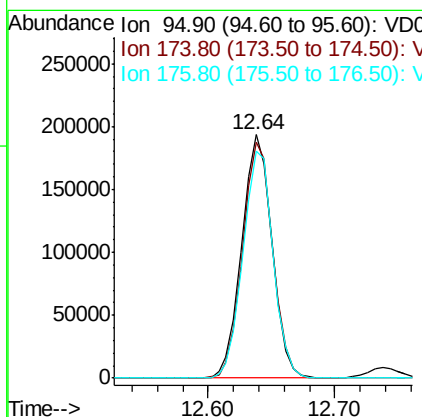
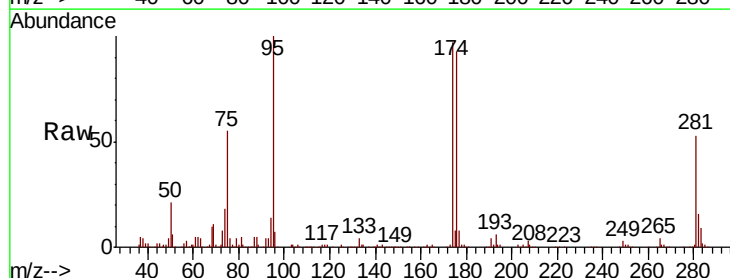
Manual Integrations
 APPROVED

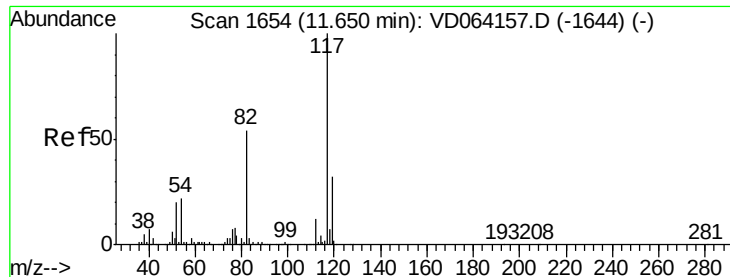
MMDadoda
 11/20/2019 1:11:49 PM



#62
 4-Bromofluorobenzene
 Concen: 48.148 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.4	0.0	183.6
176	93.3	0.0	180.2





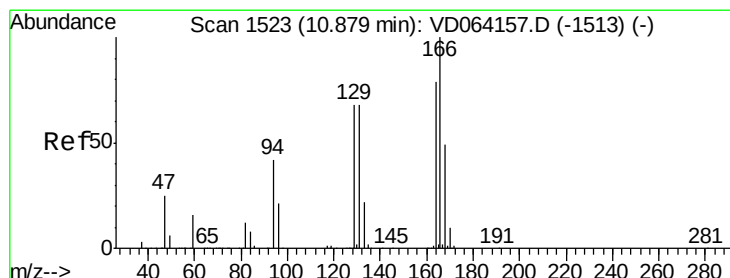
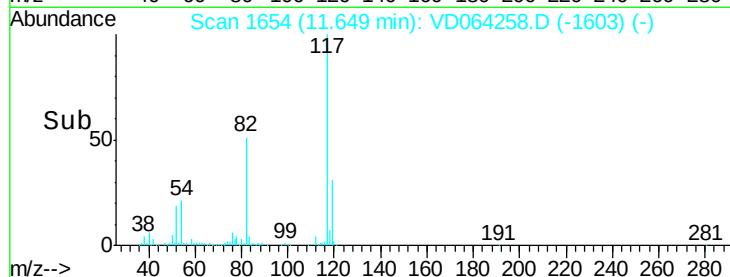
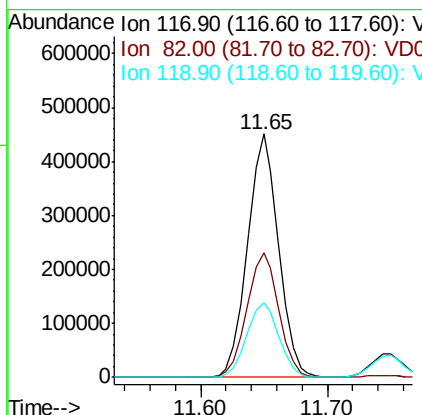
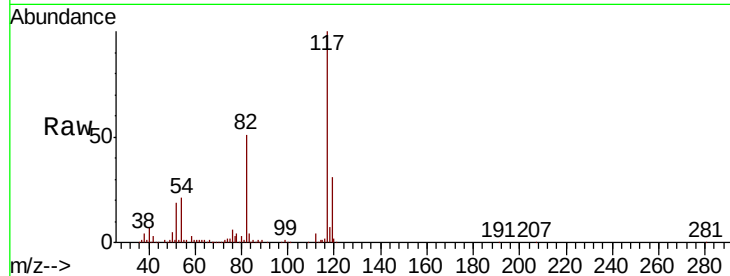
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.4	42.8	64.2
119	30.7	25.6	38.4

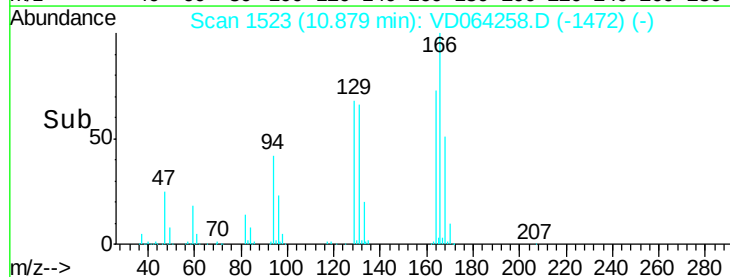
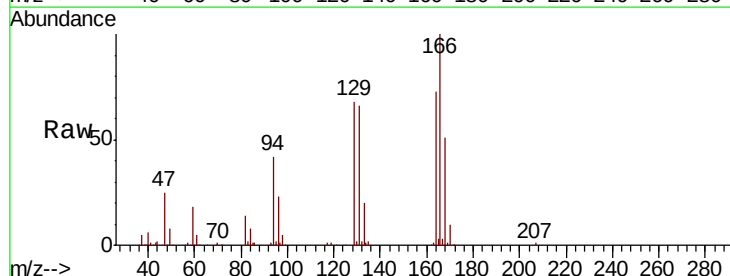
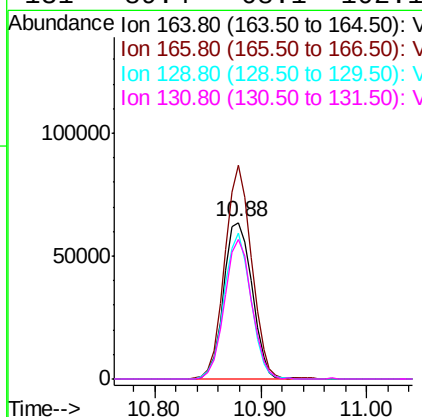
Manual Integrations
APPROVED

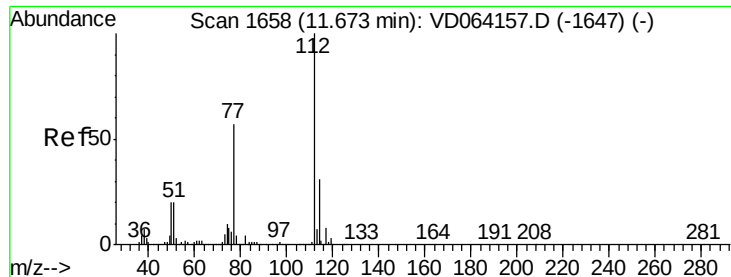
MMDadoda
11/20/2019 1:11:49 PM



#64
Tetrachloroethene
Concen: 20.180 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.2	100.8	151.2
129	92.8	68.7	103.1
131	89.4	68.1	102.1





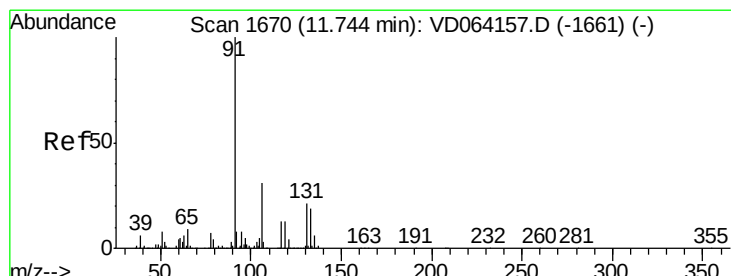
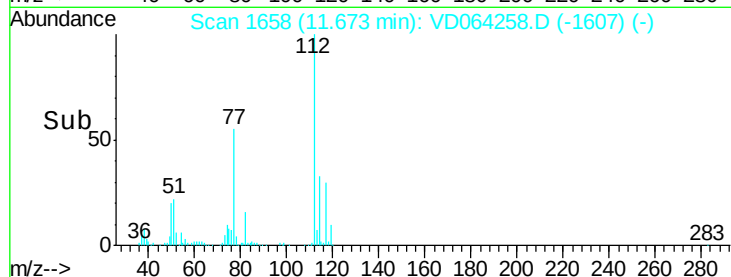
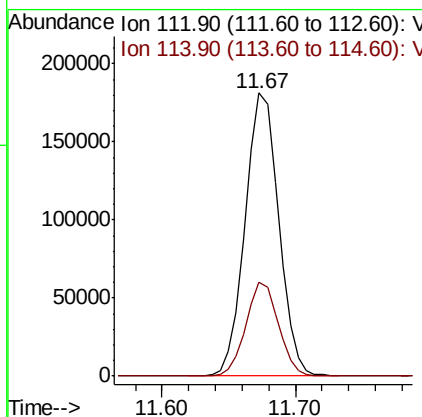
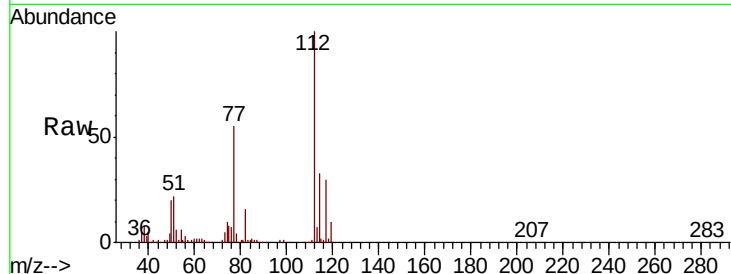
#65
Chlorobenzene
Concen: 20.199 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.1	25.2	37.8

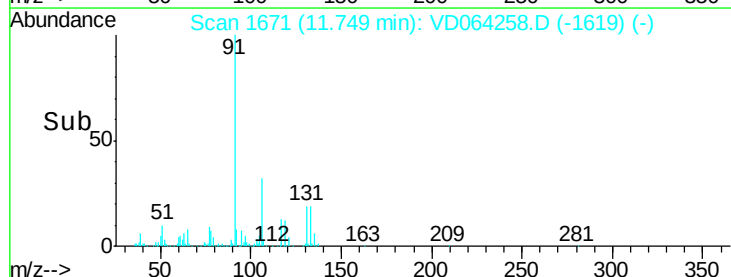
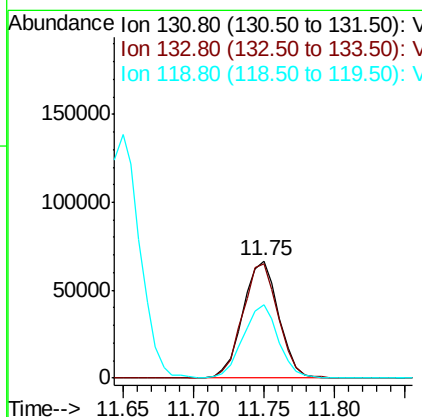
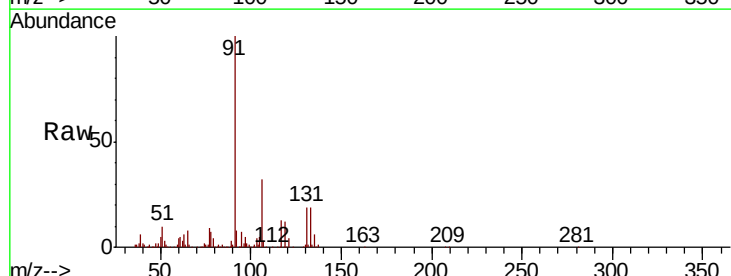
Manual Integrations
APPROVED

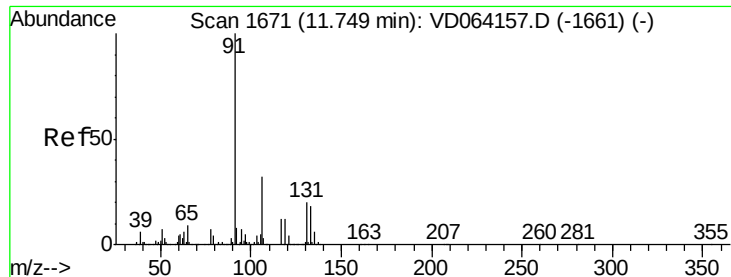
MMDadoda
11/20/2019 1:11:49 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.955 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	47.3	141.9
119	61.8	31.1	93.3





#67

Ethyl Benzene

Concen: 20.417 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 91 Resp: 576099

Ion Ratio Lower Upper

91 100

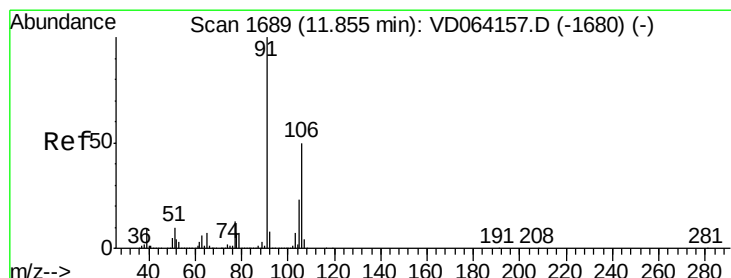
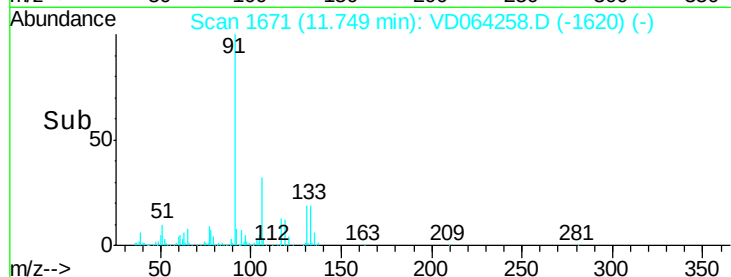
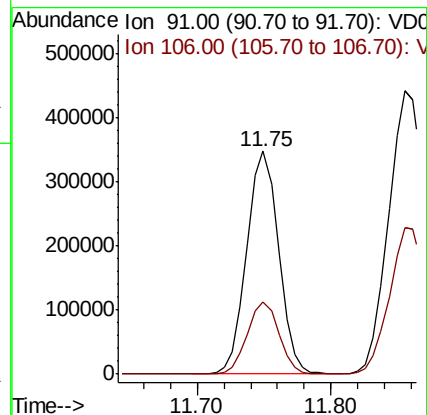
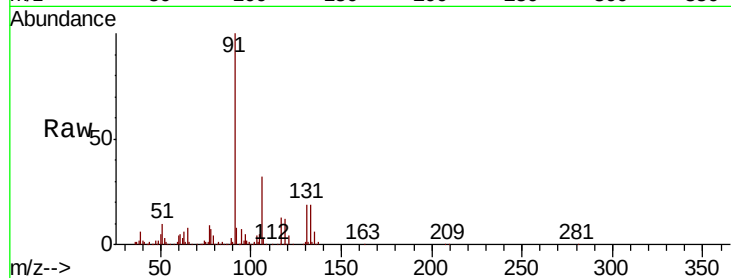
106 32.3 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

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#68

m/p-Xylenes

Concen: 40.914 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD064258.D

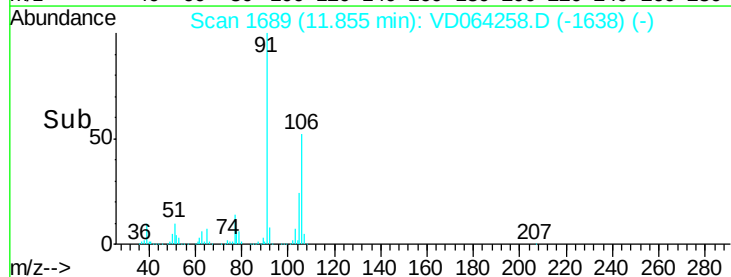
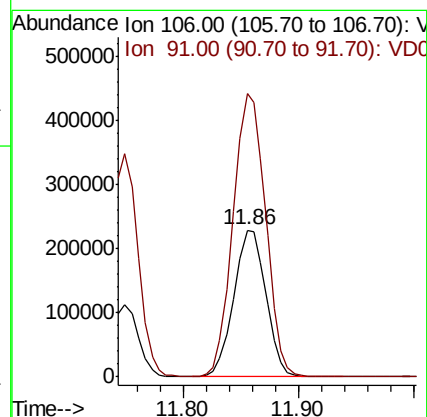
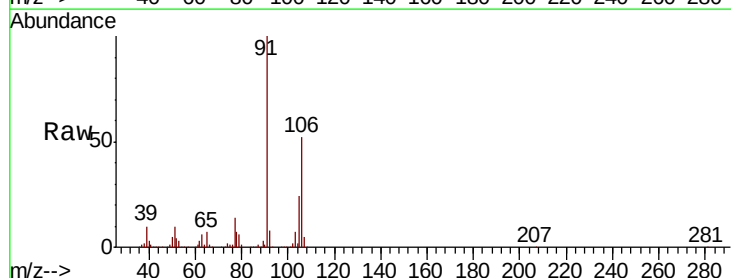
Acq: 18 Nov 2019 12:09

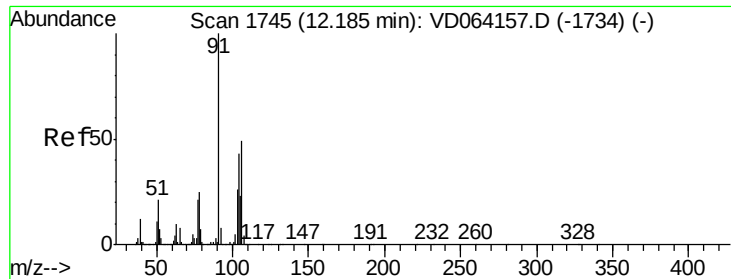
Tgt Ion: 106 Resp: 442498

Ion Ratio Lower Upper

106 100

91 195.3 160.3 240.5





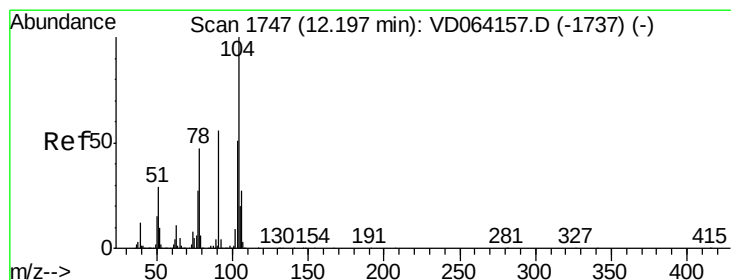
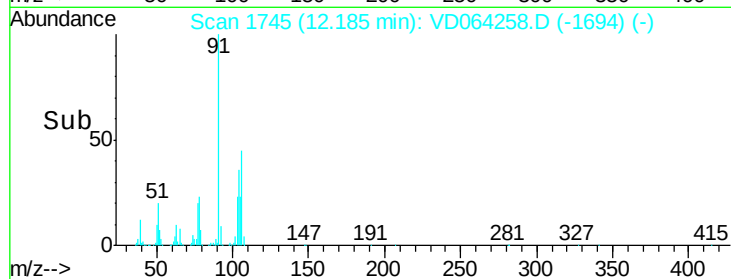
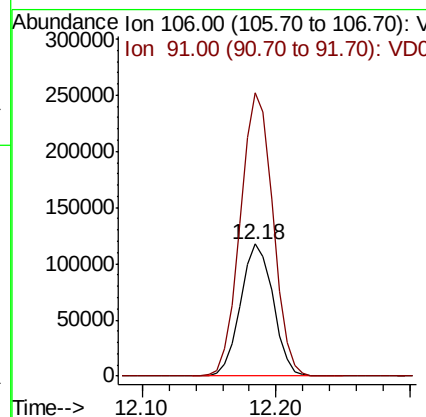
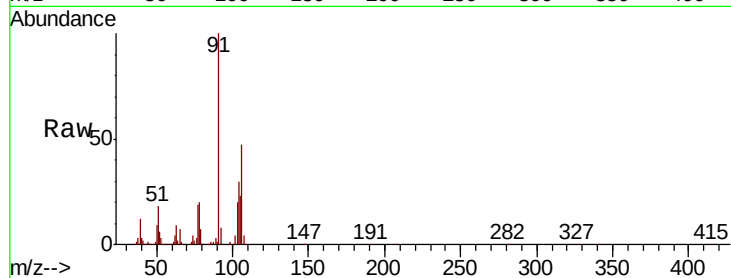
#69
o-Xylene
Concen: 19.857 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.2	105.1	315.3

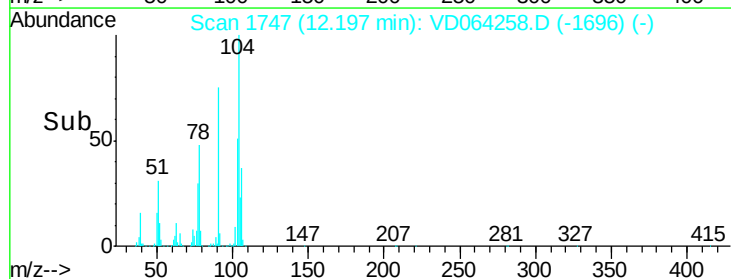
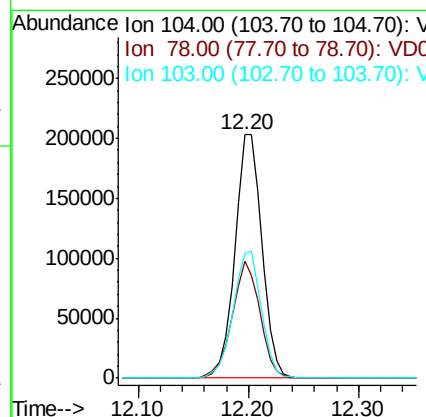
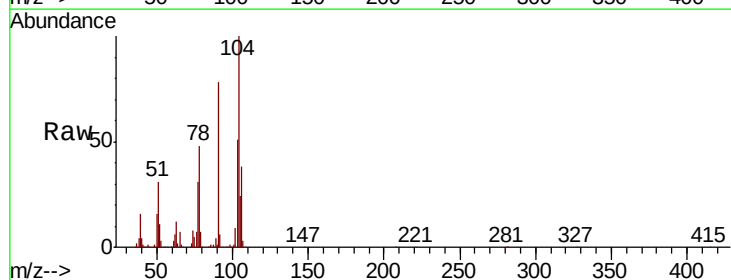
Manual Integrations
APPROVED

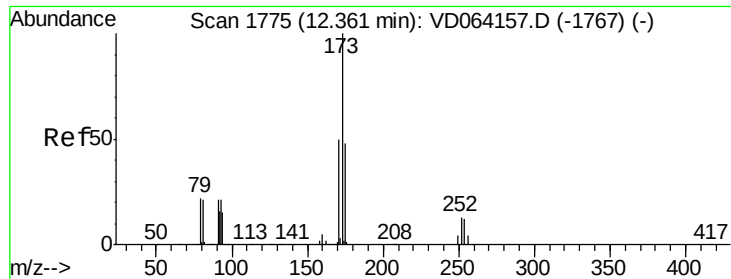
MMDadoda
11/20/2019 1:11:49 PM



#70
Styrene
Concen: 19.897 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.2	39.9	59.9
103	54.5	43.4	65.0





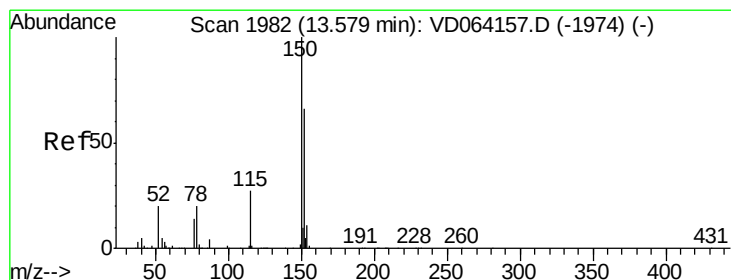
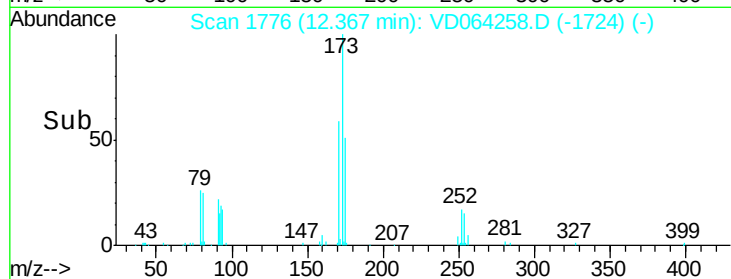
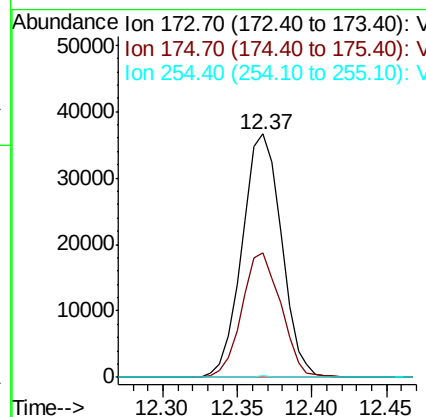
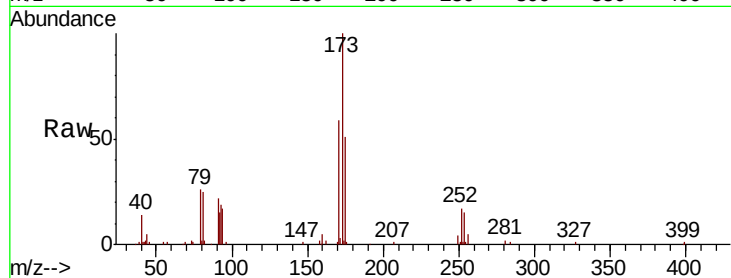
#71
Bromoform
Concen: 19.776 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.8	24.1	72.3
254	0.1	0.2	0.2

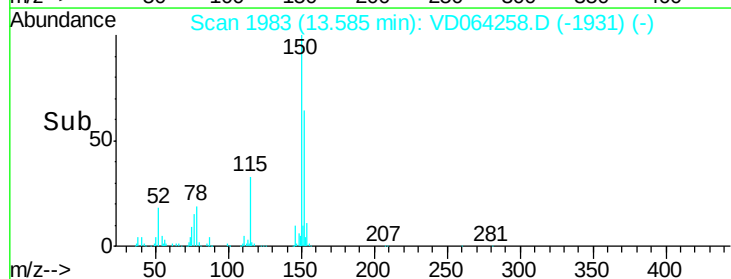
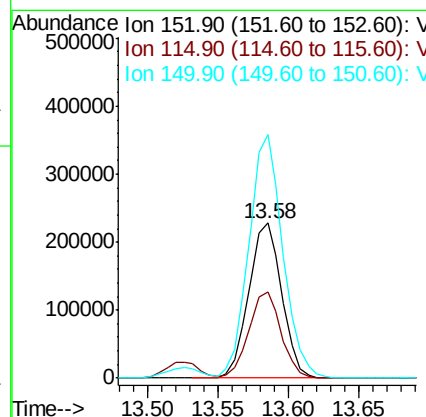
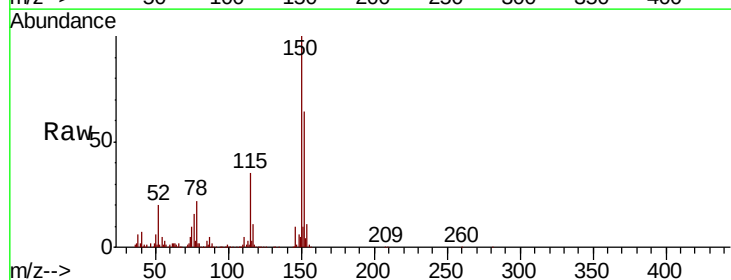
Manual Integrations
APPROVED

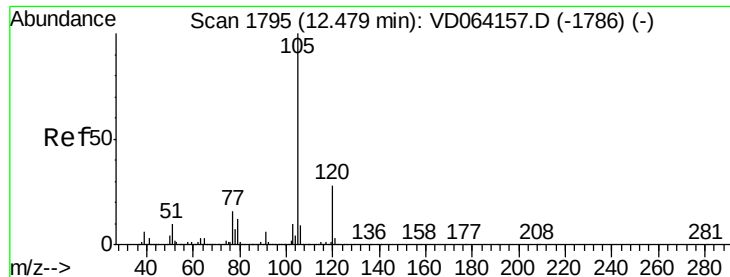
MMDadoda
11/20/2019 1:11:49 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.1	27.4	82.2
150	161.5	0.0	351.6





#73

Isopropylbenzene

Concen: 20.449 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:105 Resp: 561965

Ion Ratio Lower Upper

105 100

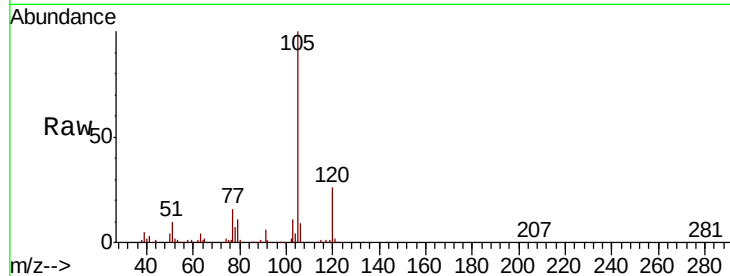
120 26.7 13.6 40.8

Manual Integrations

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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

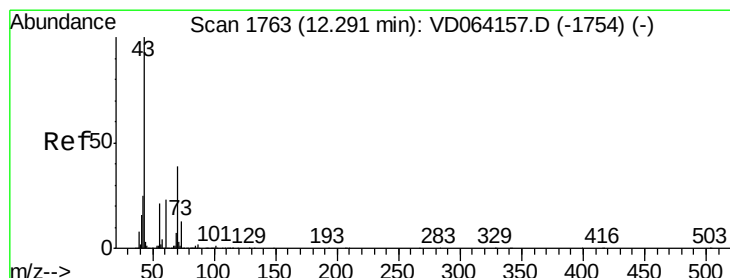
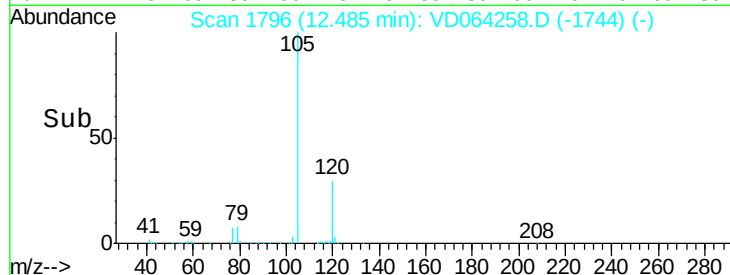
300000

200000

100000

0

Time--> 12.40 12.50 12.60



#74

N-ethyl acetate

Concen: 20.056 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion: 43 Resp: 130156

Ion Ratio Lower Upper

43 100

70 40.1 32.4 48.6

55 22.3 17.9 26.9

61 23.4 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

120000

100000

80000

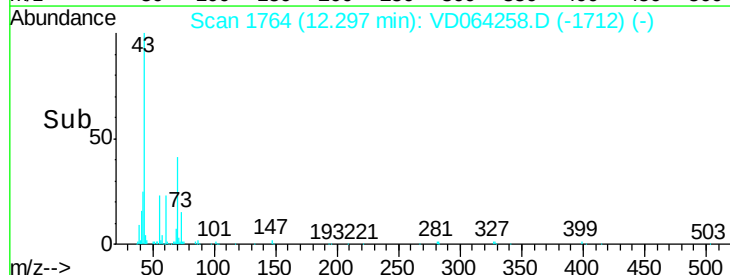
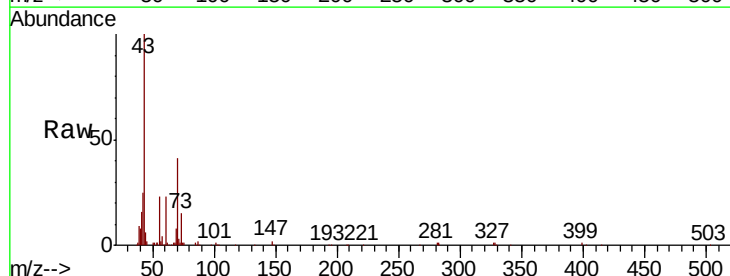
60000

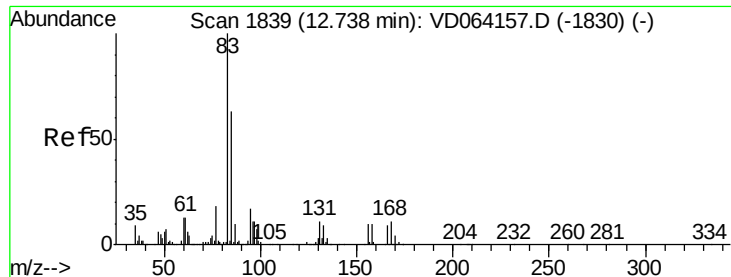
40000

20000

0

Time--> 12.20 12.30





#75

1,1,2,2-Tetrachloroethane

Concen: 21.422 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

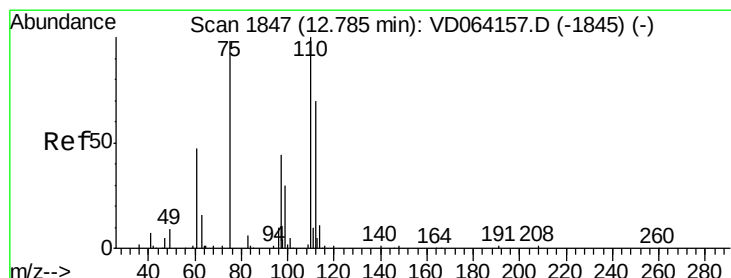
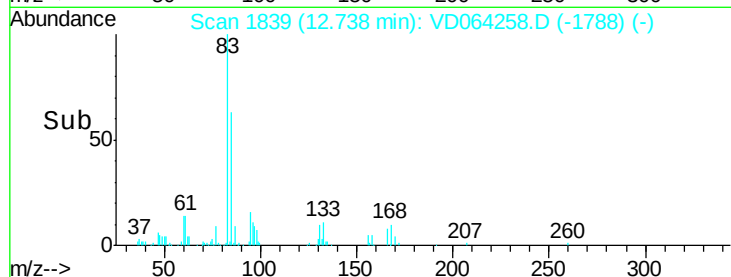
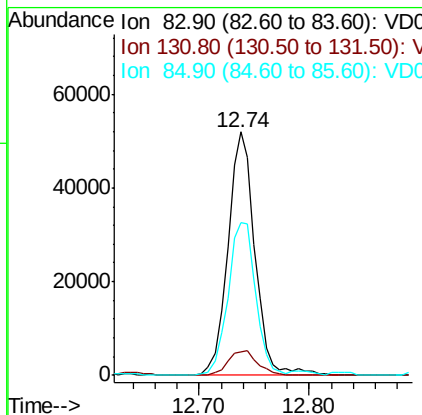
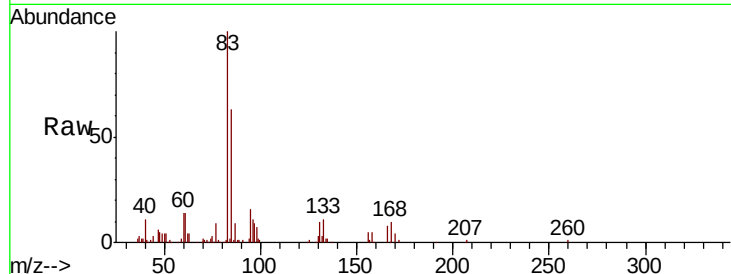
ClientSampleId :

VD1118SBS01

Tot Ion:	83	Resp:	88707
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.9	17.7
85	64.6	32.5	97.5

Manual Integrations
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11/20/2019 1:11:49 PM



#76

1,2,3-Trichloropropane

Concen: 19.317 ug/l m

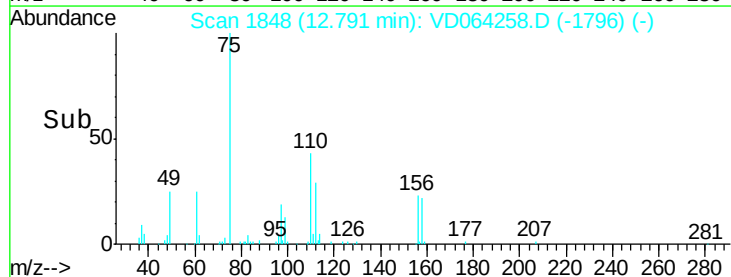
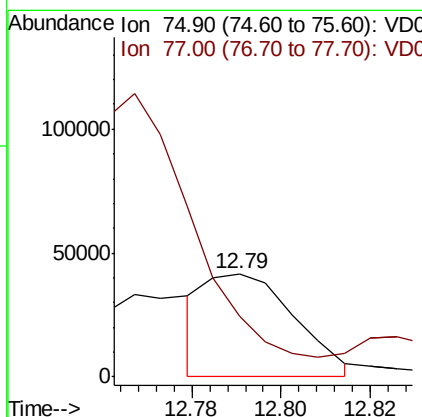
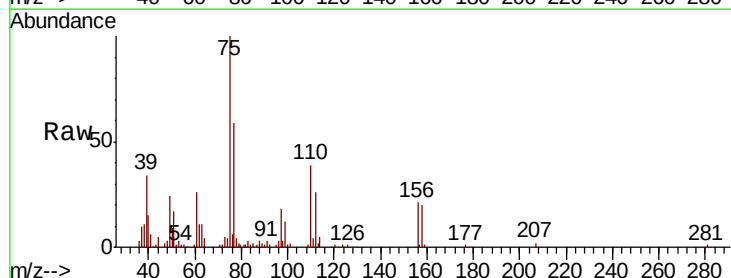
RT: 12.79 min Scan# 1848

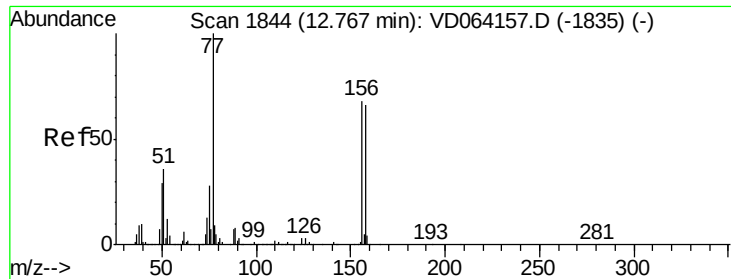
Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	75	Resp:	58255
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.463 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

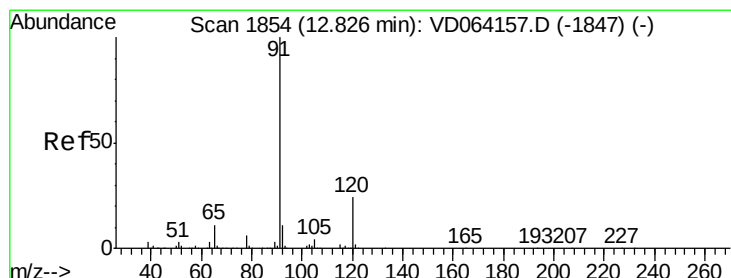
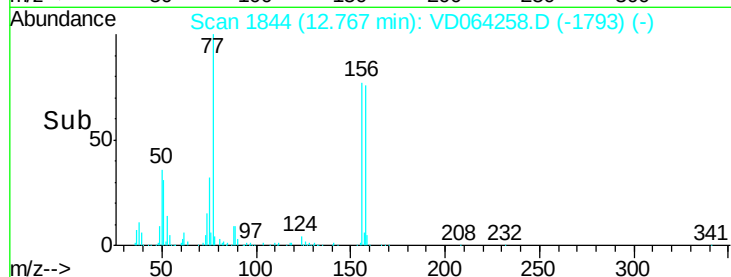
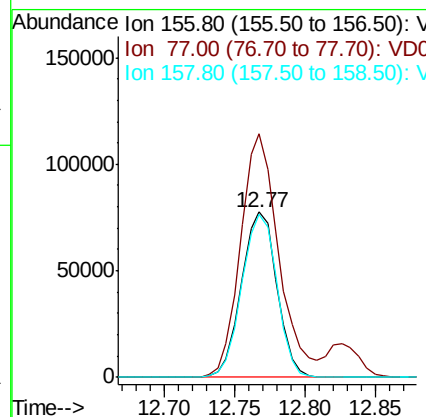
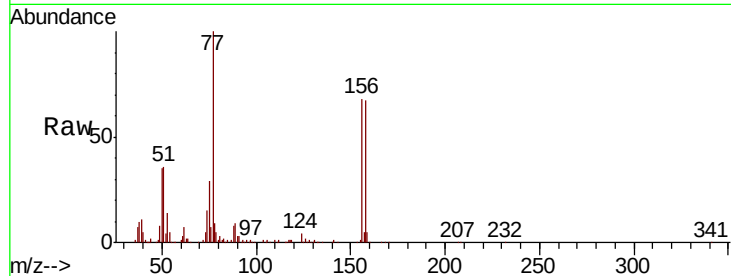
ClientSampleId :

VD1118SBSD01

Tot Ion:	156	Resp:	136621
Ion Ratio	Lower	Upper	
156	100		
77	158.7	81.2	243.4
158	97.8	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.363 ug/l

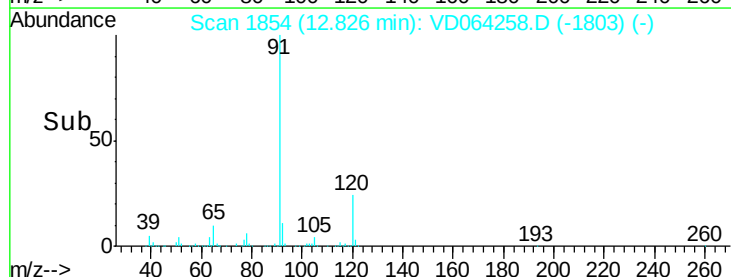
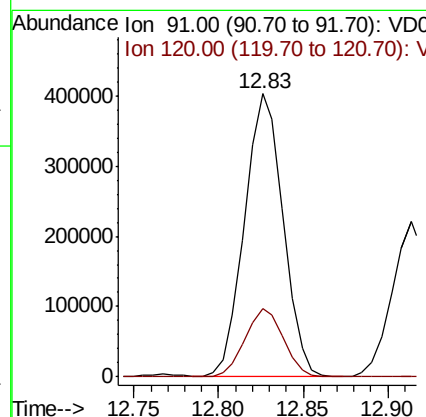
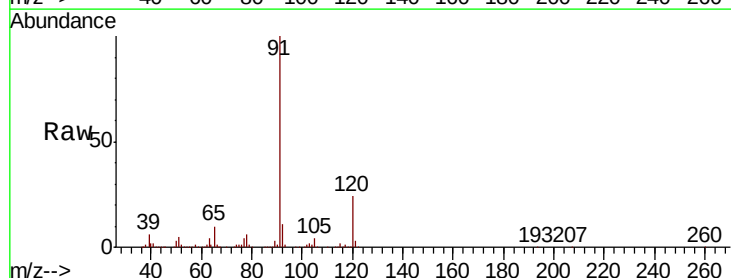
RT: 12.83 min Scan# 1854

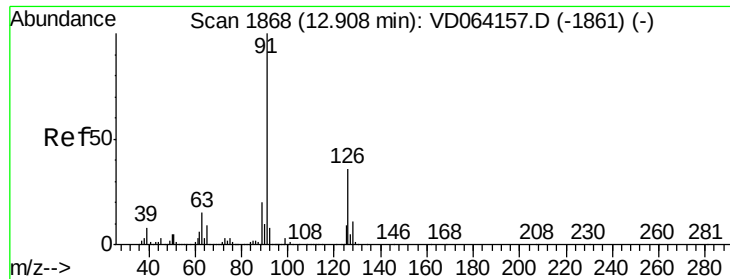
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	91	Resp:	639344
Ion Ratio	Lower	Upper	
91	100		
120	24.1	11.8	35.4





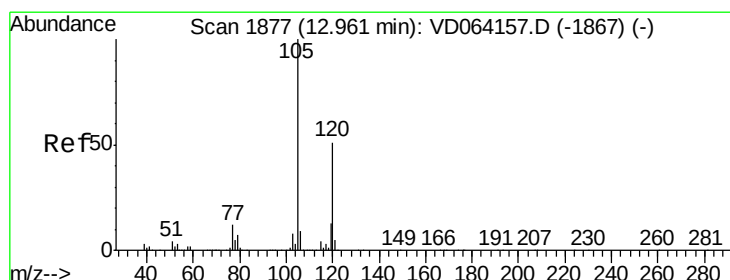
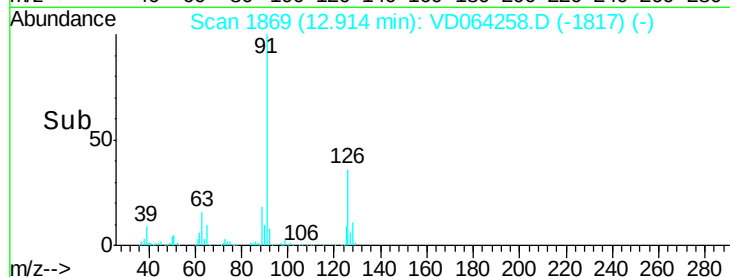
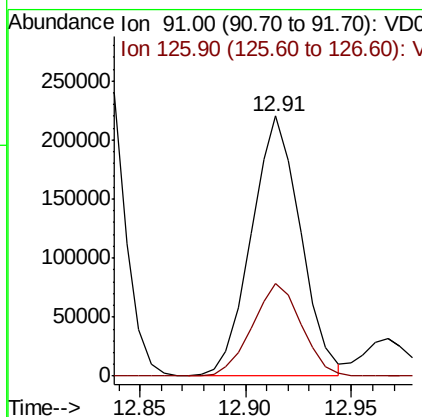
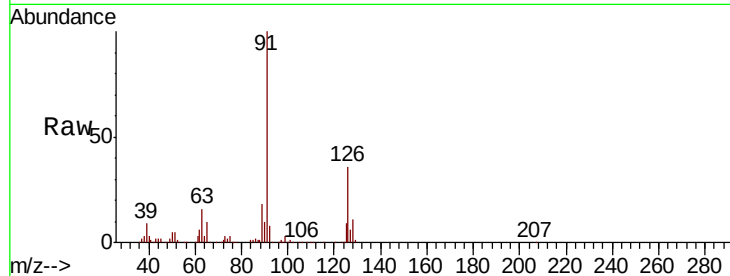
#79
2-Chlorotoluene
Concen: 20.082 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion: 91 Resp: 355991
Ion Ratio Lower Upper
91 100
126 35.8 17.7 53.1

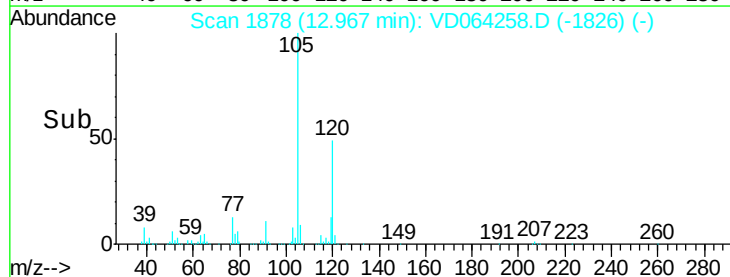
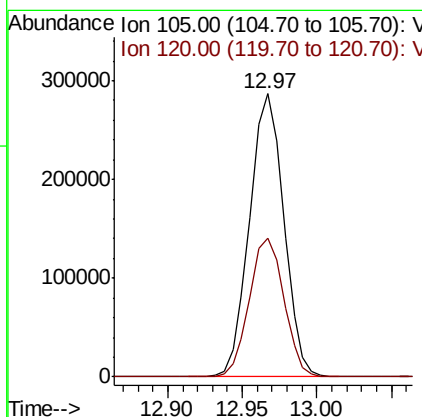
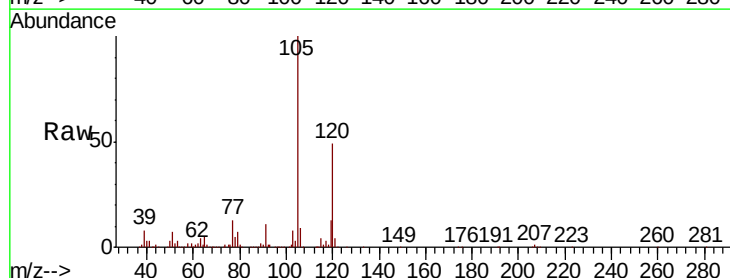
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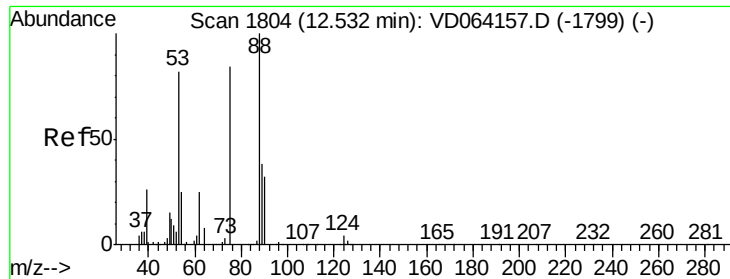
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#80
1,3,5-Trimethylbenzene
Concen: 20.158 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion: 105 Resp: 455188
Ion Ratio Lower Upper
105 100
120 49.8 25.4 76.4





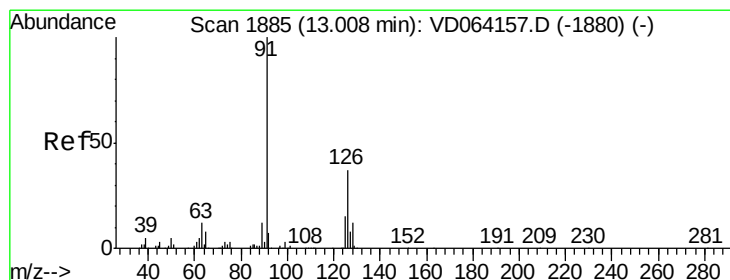
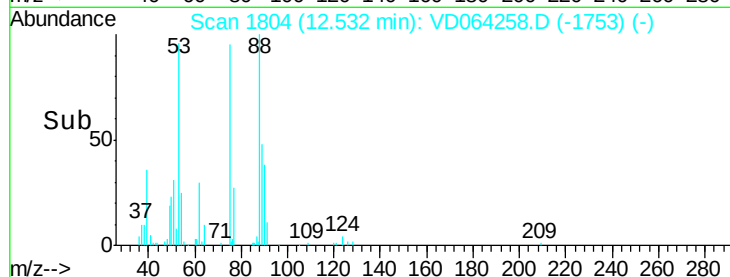
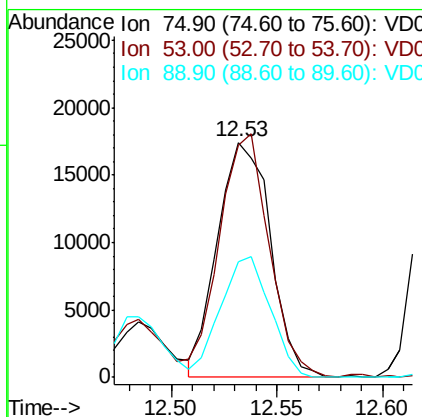
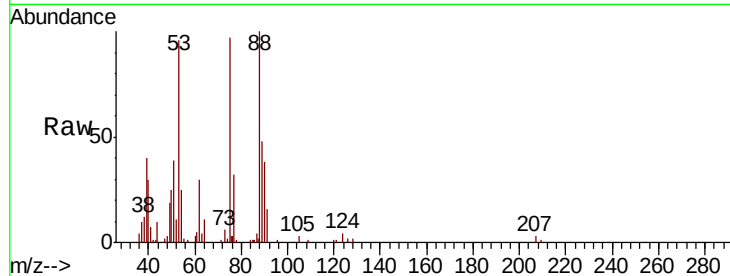
#81
trans-1,4-Dichloro-2-butene
Concen: 19.937 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.7	79.4	119.0
89	48.1	36.6	55.0

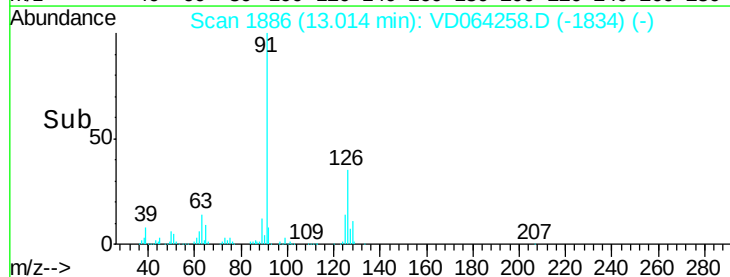
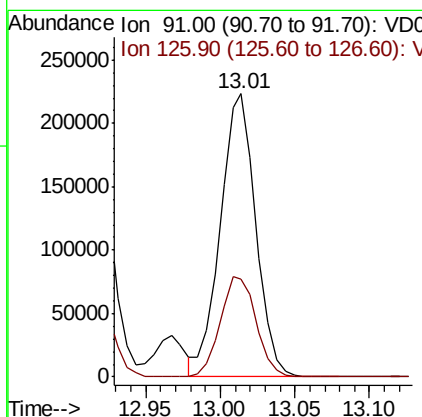
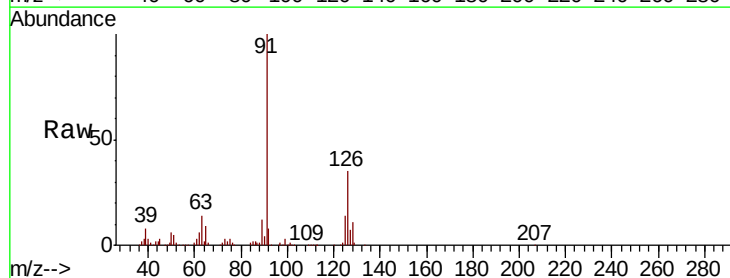
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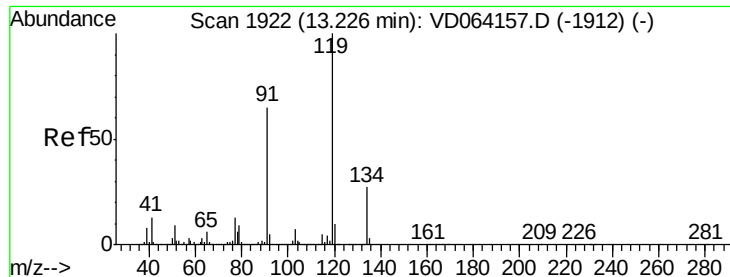
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.035 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.4





#83

tert-Butylbenzene

Concen: 20.262 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

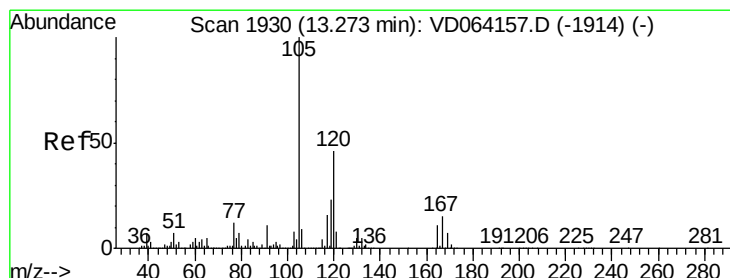
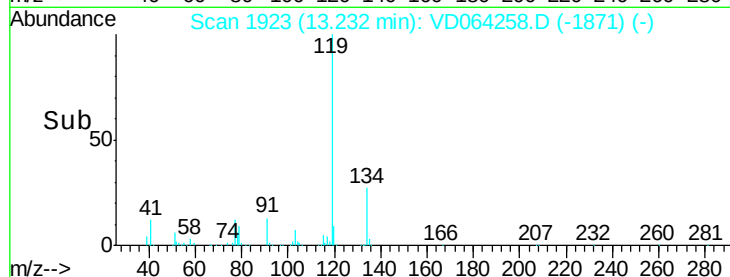
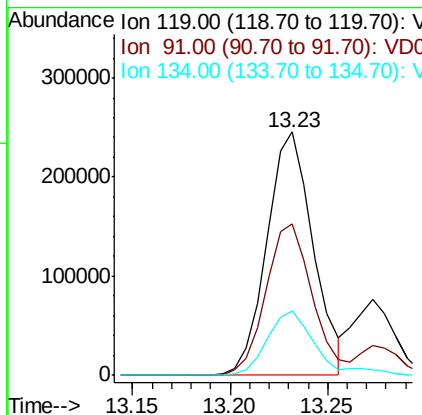
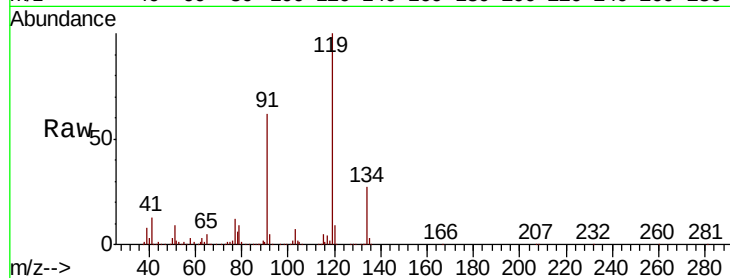
ClientSampleId :

VD1118SBS01

Tot Ion:	119	Resp:	403460
Ion Ratio	Lower	Upper	
119	100		
91	62.7	31.8	95.4
134	28.0	13.7	41.0

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.013 ug/l

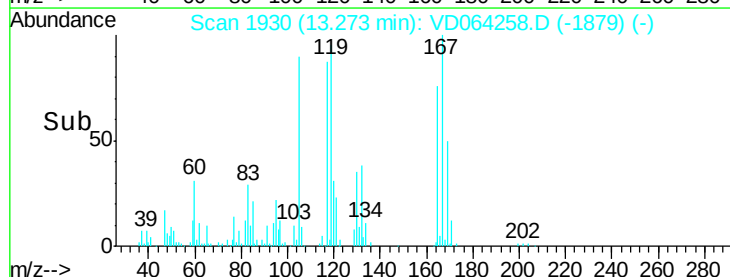
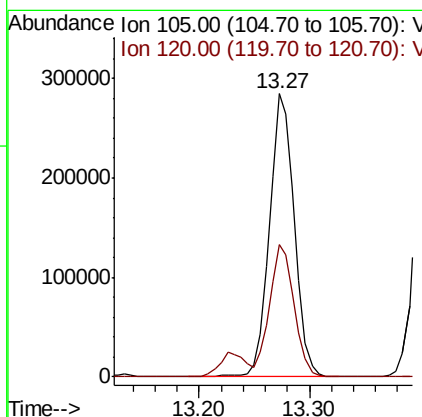
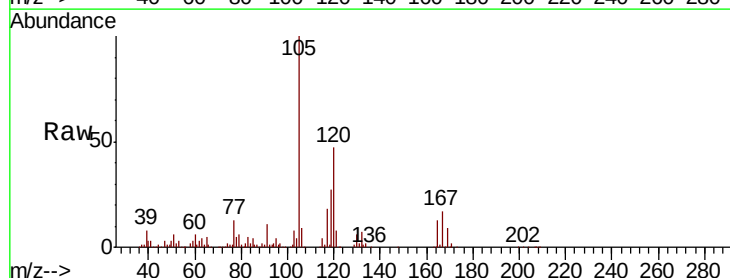
RT: 13.27 min Scan# 1930

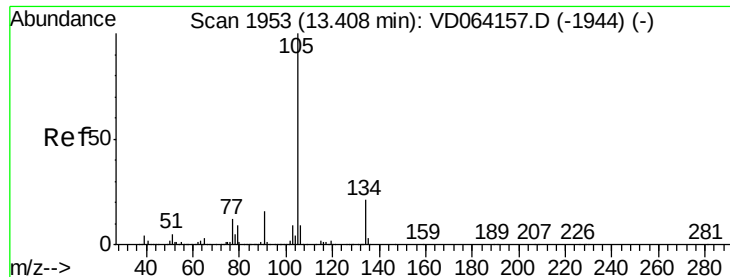
Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	105	Resp:	446167
Ion Ratio	Lower	Upper	
105	100		
120	46.0	23.3	69.8





#85

sec-Butylbenzene

Concen: 20.444 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:105 Resp: 546748

Ion Ratio Lower Upper

105 100

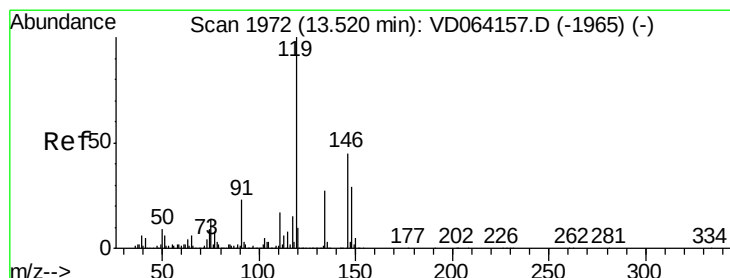
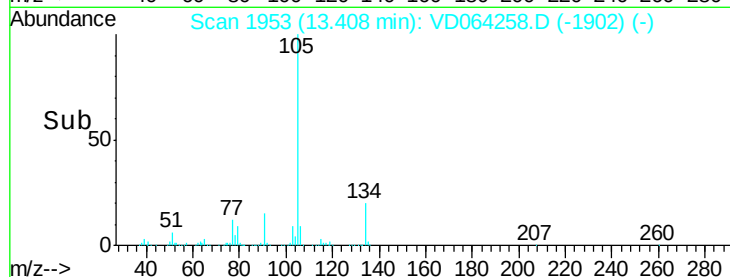
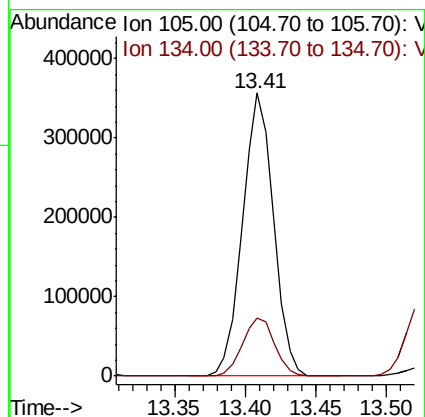
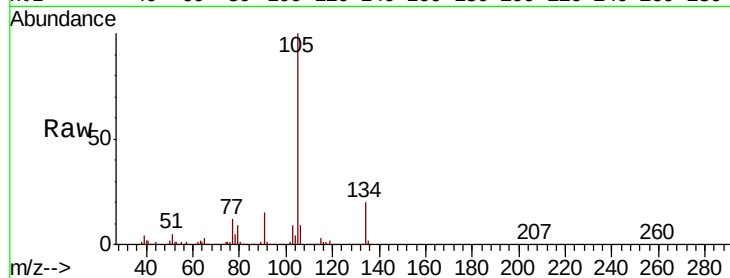
134 21.5 10.7 31.9

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 20.075 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

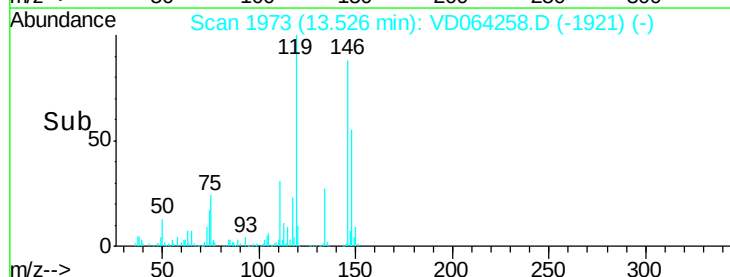
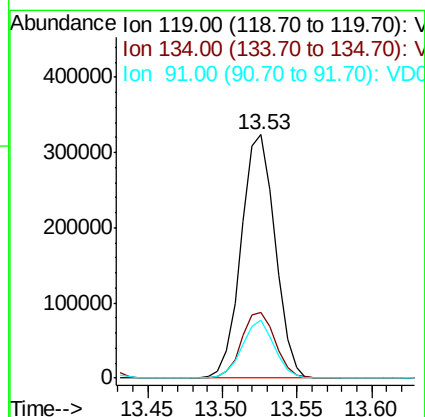
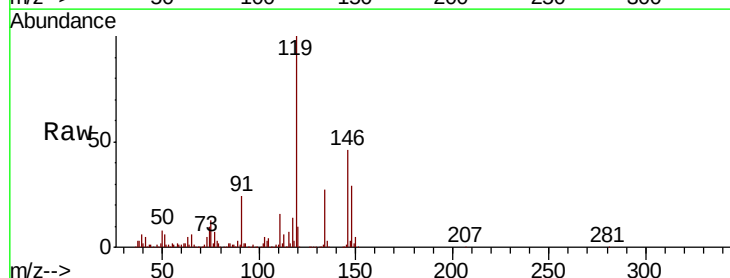
Tgt Ion:119 Resp: 510392

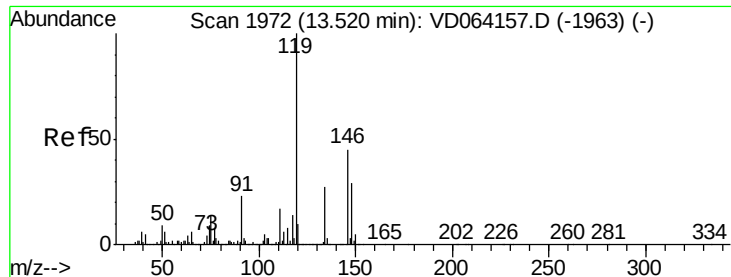
Ion Ratio Lower Upper

119 100

134 26.8 13.5 40.5

91 22.6 11.5 34.4





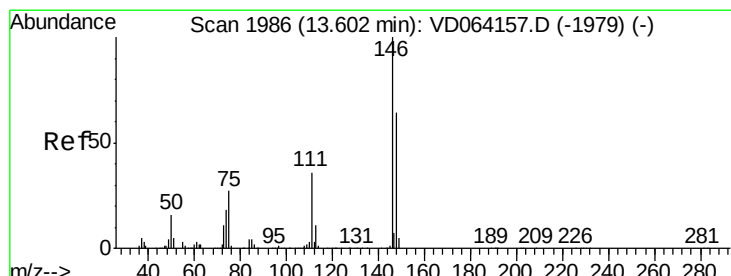
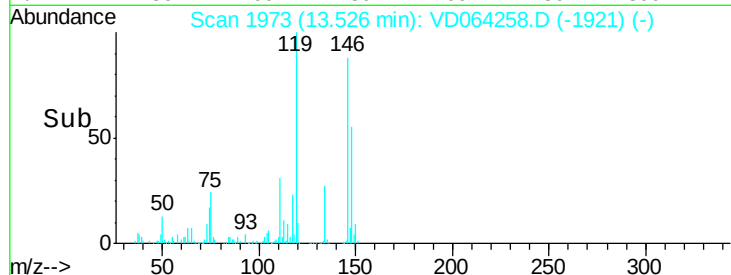
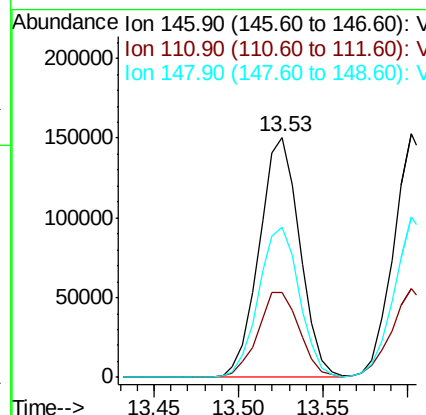
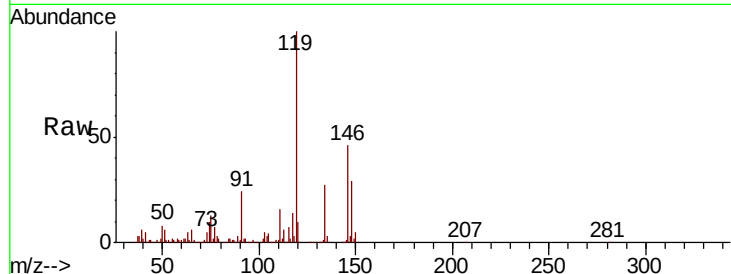
#87
 1,3-Dichlorobenzene
 Concen: 20.263 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.9	56.9
148	63.1	32.1	96.5

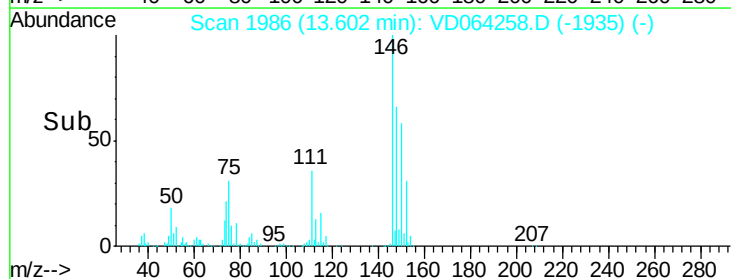
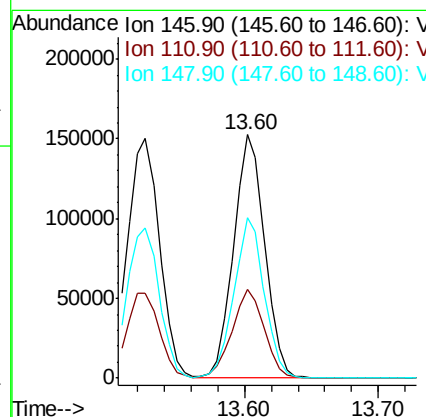
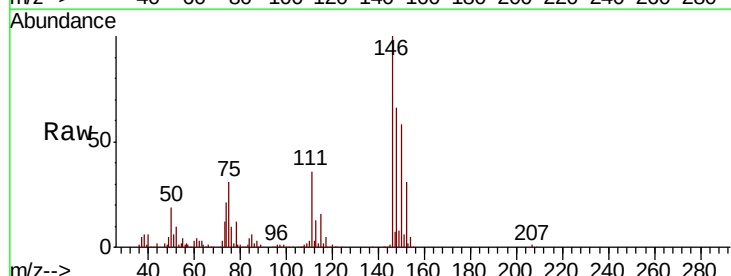
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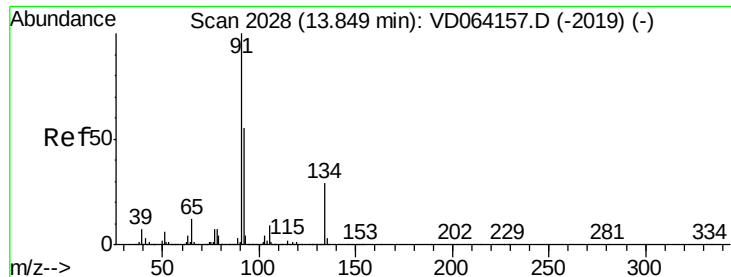
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#88
 1,4-Dichlorobenzene
 Concen: 20.549 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	18.1	54.4
148	64.1	31.9	95.7





#89

n-Butylbenzene

Concen: 20.438 ug/l

RT: 13.85 min Scan# 2028

Delta R.T. -0.00 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Instrument :

MSVOA_D

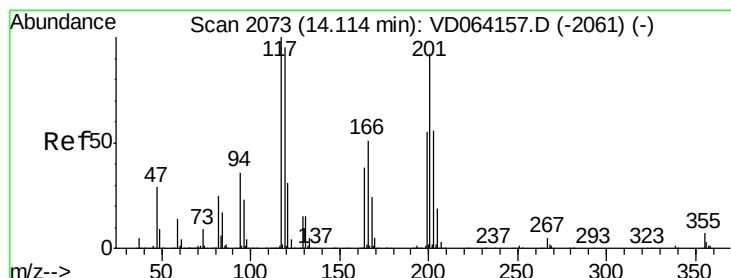
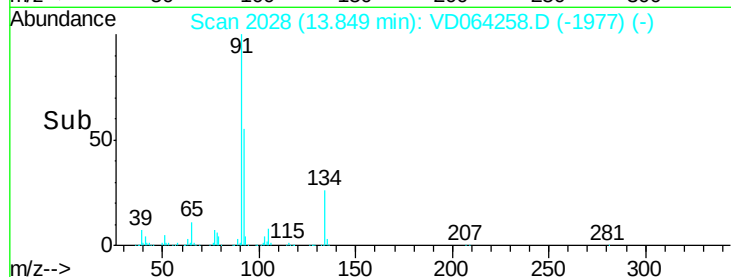
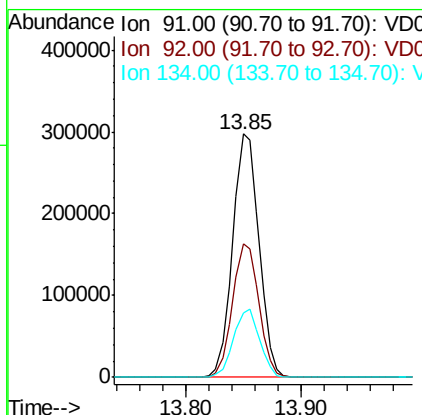
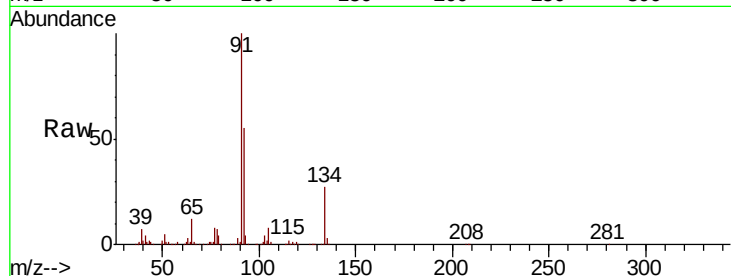
ClientSampleId :

VD1118SBS01

Tot Ion:	91	Resp:	469466
Ion Ratio	Lower	Upper	
91	100		
92	54.7	27.3	81.8
134	27.7	14.1	42.4

Manual Integrations
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#90

Hexachloroethane

Concen: 19.801 ug/l

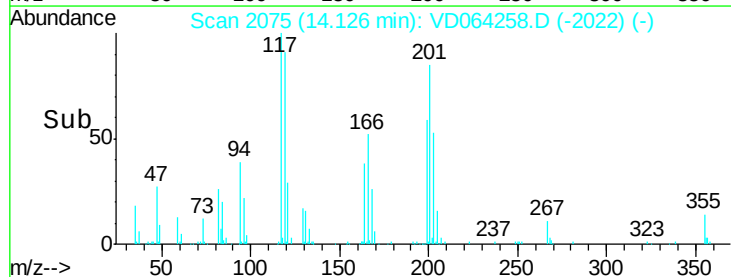
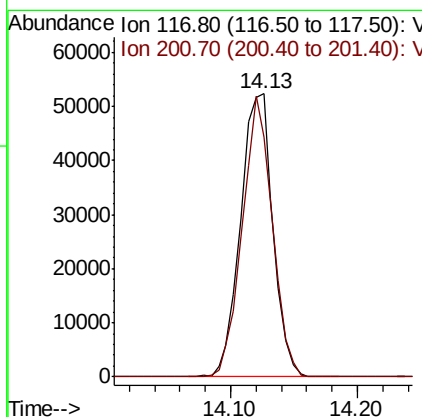
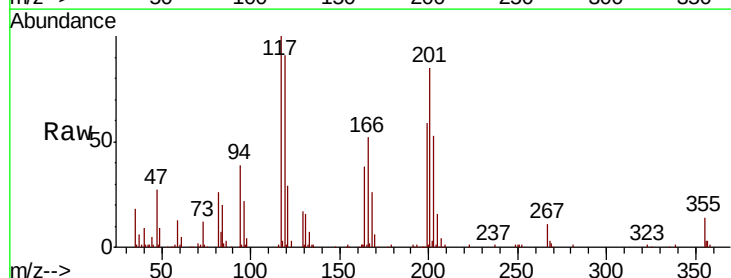
RT: 14.13 min Scan# 2075

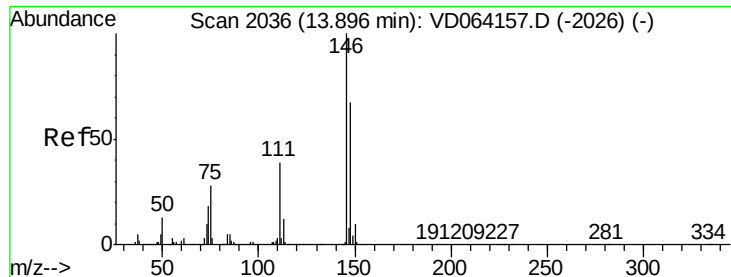
Delta R.T. 0.01 min

Lab File: VD064258.D

Acq: 18 Nov 2019 12:09

Tgt Ion:	117	Resp:	93042
Ion Ratio	Lower	Upper	
117	100		
201	91.5	45.8	137.4





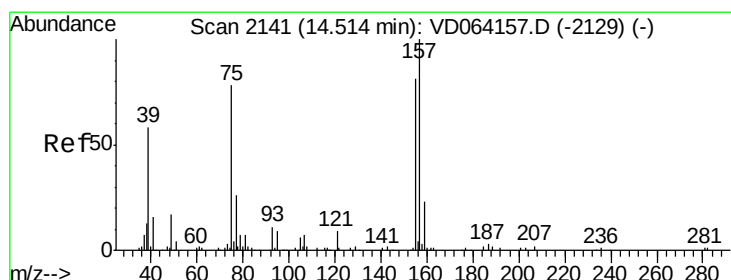
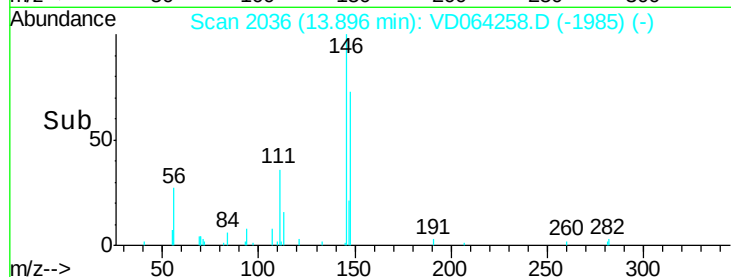
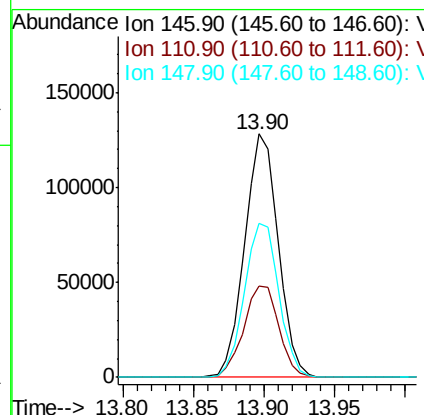
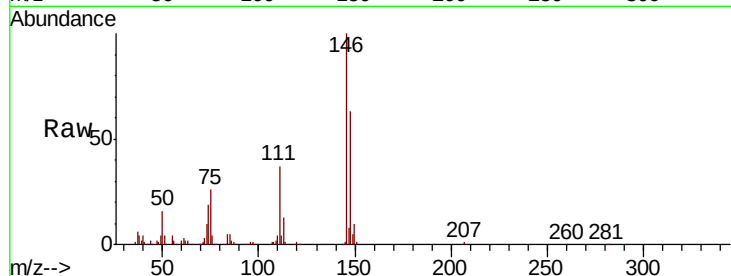
#91
 1,2-Dichlorobenzene
 Concen: 20.395 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS001

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.7	32.3	96.8

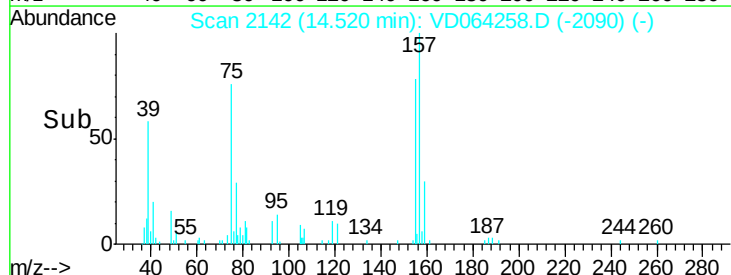
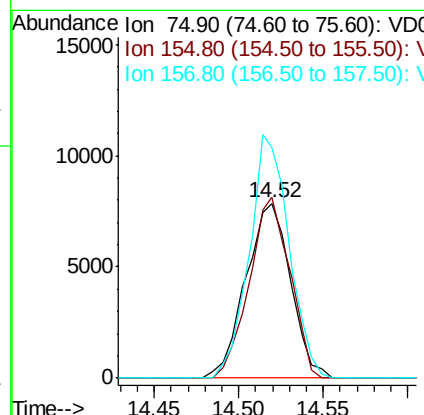
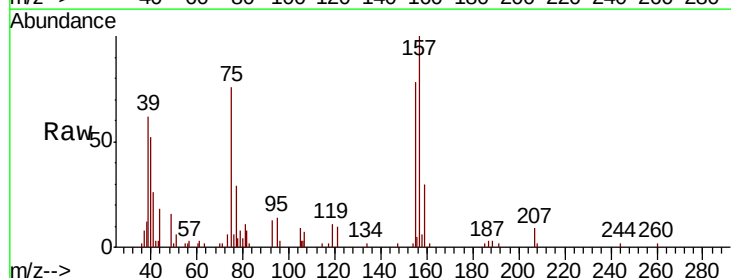
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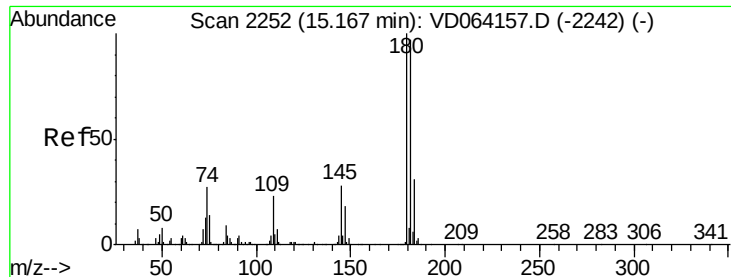
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.520 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	48.0	144.0
157	124.1	61.5	184.4





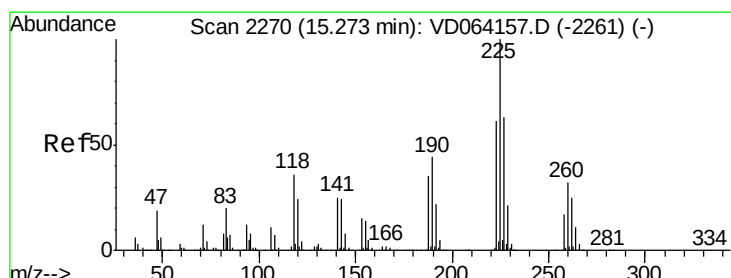
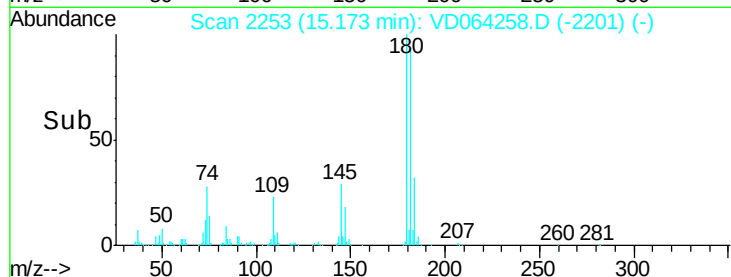
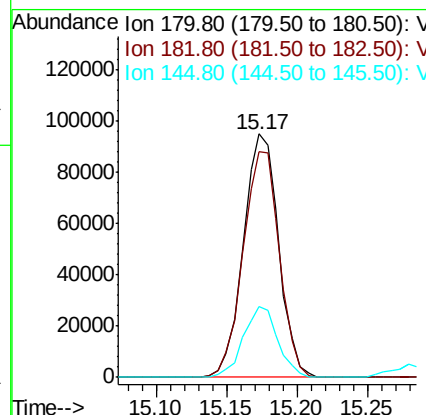
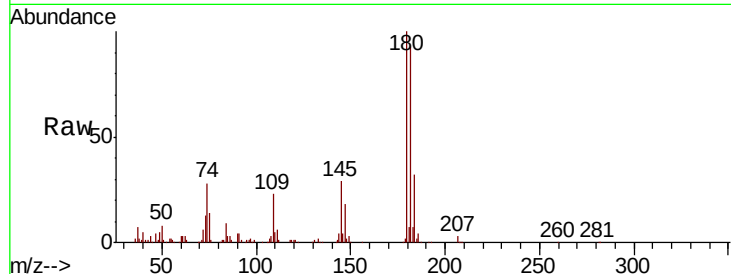
#93
 1,2,4-Trichlorobenzene
 Concen: 20.496 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	165851		
182	95.6	47.5	142.5	
145	28.5	14.2	42.6	

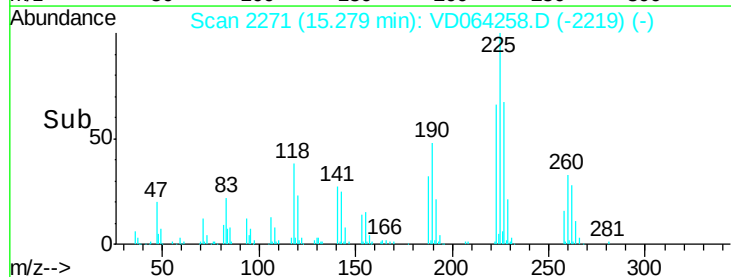
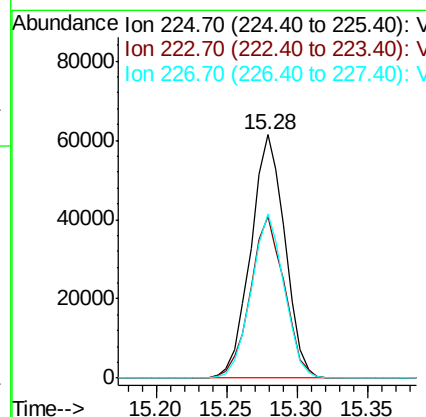
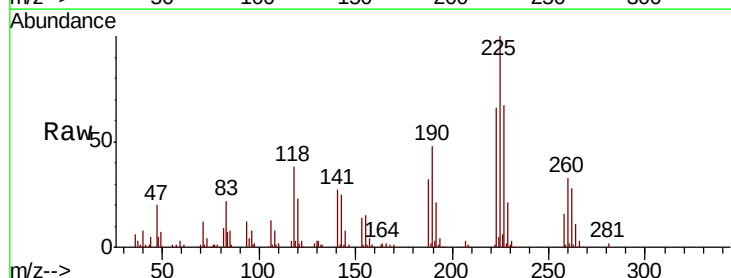
Manual Integrations
 APPROVED

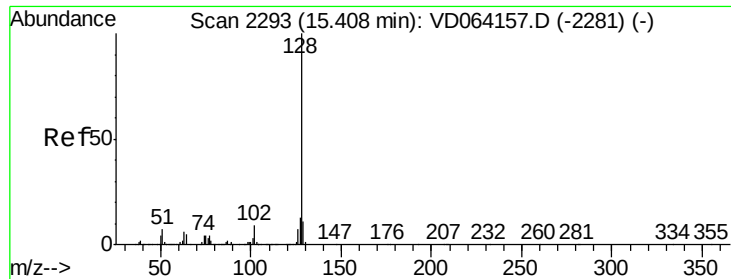
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 19.965 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064258.D
 Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104347		
223	66.2	31.1	93.3	
227	65.1	31.5	94.5	





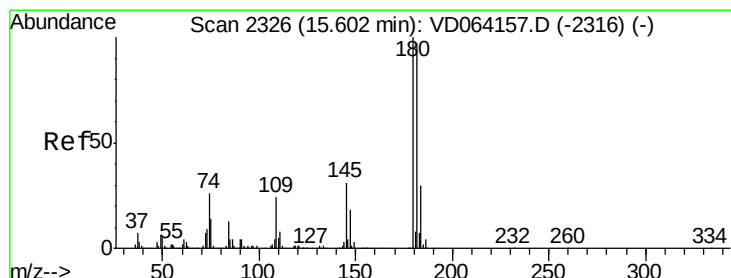
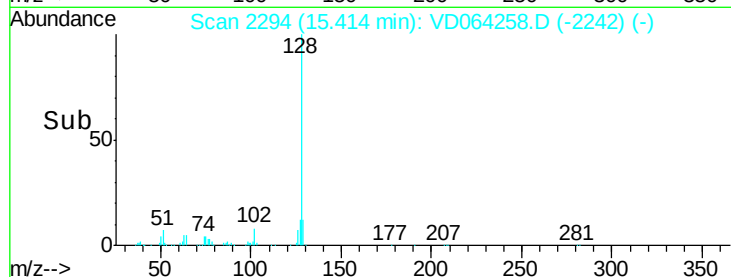
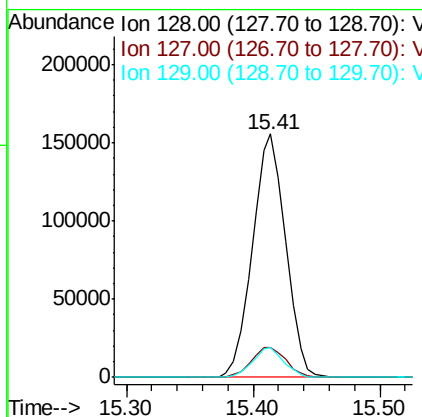
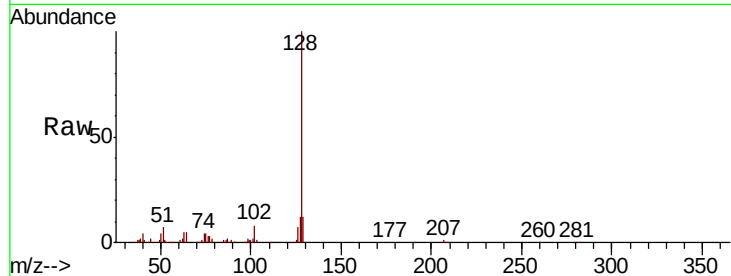
#95
Naphthalene
Concen: 21.306 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	282619		
127	13.1		10.5	15.7
129	11.6		8.6	13.0

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 21.162 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064258.D
Acq: 18 Nov 2019 12:09

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	145559		
182	94.9		48.3	144.9
145	29.8		15.3	45.8

