

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111819\
 Data File : VD064257.D
 Acq On : 18 Nov 2019 11:42
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 1:11:45 PM

Quant Time: Nov 19 04:49:13 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	658959	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	938286	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	797981	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	385956	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	264953	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
35) Dibromofluoromethane	7.92	113	272366	50.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.14%	
50) Toluene-d8	10.34	98	1042833	51.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.66%	
62) 4-Bromofluorobenzene	12.64	95	339384	48.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	102135	18.688	ug/l	97
3) Chloromethane	2.21	50	119775	20.432	ug/l	99
4) Vinyl Chloride	2.35	62	137596	21.949	ug/l	97
5) Bromomethane	2.76	94	92790	23.441	ug/l	100
6) Chloroethane	2.92	64	92924	23.198	ug/l	97
7) Trichlorofluoromethane	3.27	101	245613	24.166	ug/l	98
8) Diethyl Ether	3.70	74	53011	18.969	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	117429	20.215	ug/l	98
10) Methyl Iodide	4.29	142	108127	17.675	ug/l	99
11) Tert butyl alcohol	5.25	59	30386	80.273	ug/l	95
12) 1,1-Dichloroethene	4.06	96	109121	19.707	ug/l	99
13) Acrolein	3.92	56	22689	70.853	ug/l	96
14) Allyl chloride	4.70	41	179389	18.324	ug/l	95
15) Acrylonitrile	5.43	53	111806	93.847	ug/l	99
16) Acetone	4.17	43	93867	73.111	ug/l	97
17) Carbon Disulfide	4.40	76	324312	18.808	ug/l	100
18) Methyl Acetate	4.72	43	61783	17.229	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	239712	18.135	ug/l	96
20) Methylene Chloride	4.96	84	117750	18.156	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	122453	19.520	ug/l	90
22) Diisopropyl ether	6.37	45	328166	18.066	ug/l	99
23) Vinyl Acetate	6.31	43	935869	92.427	ug/l	99
24) 1,1-Dichloroethane	6.26	63	203775	19.321	ug/l	98
25) 2-Butanone	7.22	43	138656	83.592	ug/l	97
26) 2,2-Dichloropropane	7.21	77	196032	18.953	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	132169	19.646	ug/l	97
28) Bromochloromethane	7.54	49	57379	15.626	ug/l	98
29) Tetrahydrofuran	7.57	42	89411	89.717	ug/l	100
30) Chloroform	7.71	83	217446	20.155	ug/l	99
31) Cyclohexane	7.98	56	200322	18.833	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	200179	19.378	ug/l	99
36) 1,1-Dichloropropene	8.11	75	166670	19.247	ug/l	99
37) Ethyl Acetate	7.30	43	63454	17.381	ug/l	99
38) Carbon Tetrachloride	8.09	117	179437	19.365	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	209824	19.149	ug/l	95
40) Benzene	8.35	78	452306	19.111	ug/l	98
41) Methacrylonitrile	7.53	41	33249	14.491	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	130025	18.293	ug/l	98
43) Isopropyl Acetate	8.46	43	129193	17.176	ug/l	96
44) Trichloroethene	9.11	130	137671	19.382	ug/l	99
45) 1,2-Dichloropropane	9.39	63	109146	18.947	ug/l	93
46) Dibromomethane	9.48	93	57858	18.761	ug/l	99
47) Bromodichloromethane	9.67	83	160423	19.312	ug/l	99
48) Methyl methacrylate	9.46	41	65122	17.706	ug/l	98
49) 1,4-Dioxane	9.47	88	14266	385.179	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	308025	85.395	ug/l	100
52) Toluene	10.41	92	296797	19.071	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	151413	18.194	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	176139	18.138	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	78092	18.667	ug/l	93
56) Ethyl methacrylate	10.67	69	103494	17.685	ug/l	96
57) 1,3-Dichloropropane	10.95	76	136576	18.719	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	209248	88.269	ug/l	99
59) 2-Hexanone	10.99	43	213308	83.121	ug/l	99
60) Dibromochloromethane	11.14	129	107055	18.339	ug/l	99
61) 1,2-Dibromoethane	11.25	107	76559	18.271	ug/l	97
64) Tetrachloroethene	10.88	164	119433	19.460	ug/l	95
65) Chlorobenzene	11.67	112	311117	19.173	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	116723	18.917	ug/l	98
67) Ethyl Benzene	11.75	91	574441	19.571	ug/l	100
68) m/p-Xylenes	11.86	106	433334	38.516	ug/l	99
69) o-Xylene	12.18	106	200361	19.202	ug/l	98
70) Styrene	12.20	104	342843	18.823	ug/l	98
71) Bromoform	12.37	173	65798	18.738	ug/l #	100
73) Isopropylbenzene	12.48	105	555227	19.599	ug/l	100
74) N-amyl acetate	12.30	43	116340	17.391	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	80879	18.947	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	54245m	17.449	ug/l	
77) Bromobenzene	12.77	156	133474	19.394	ug/l	99
78) n-propylbenzene	12.83	91	633467	19.572	ug/l	99
79) 2-Chlorotoluene	12.91	91	350574	19.185	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	452481	19.438	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.54	75	26641	17.023	ug/l	99
82) 4-Chlorotoluene	13.01	91	363951	19.095	ug/l	100
83) tert-Butylbenzene	13.23	119	388713	18.938	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	445438	19.383	ug/l	98
85) sec-Butylbenzene	13.41	105	536402	19.457	ug/l	100
86) p-Isopropyltoluene	13.53	119	510727	19.487	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	244592	19.145	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	237533	19.050	ug/l	97
89) n-Butylbenzene	13.85	91	460109	19.431	ug/l	99
90) Hexachloroethane	14.12	117	92182	19.031	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	208546	19.286	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	13448	17.620	ug/l	99

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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	161170	19.321	ug/l	100
94) Hexachlorobutadiene	15.28	225	104506	19.397	ug/l	99
95) Naphthalene	15.41	128	260471	19.049	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	133765	18.865	ug/l	99

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

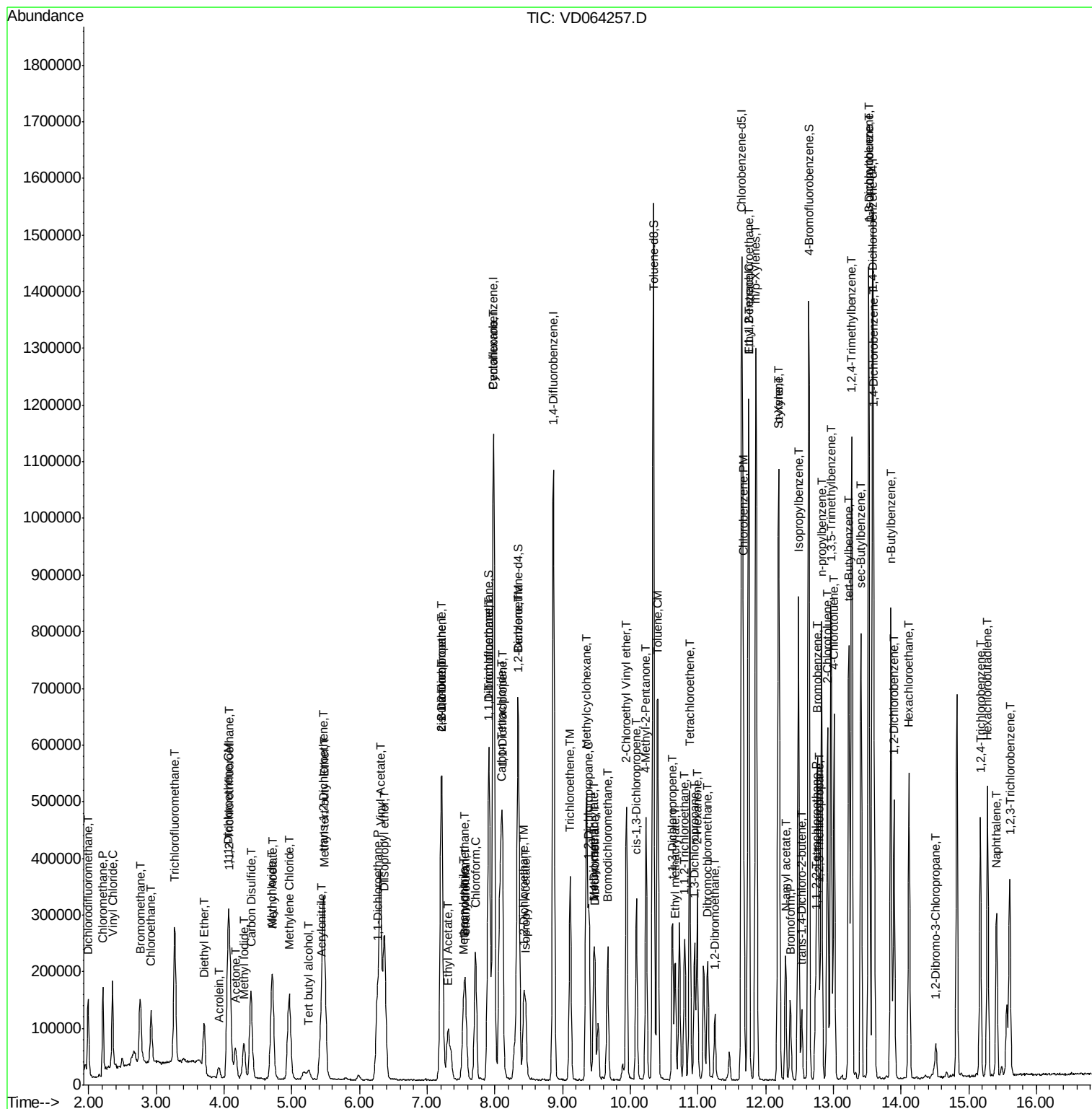
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 Data File : VD064257.D
 Acq On : 18 Nov 2019 11:42
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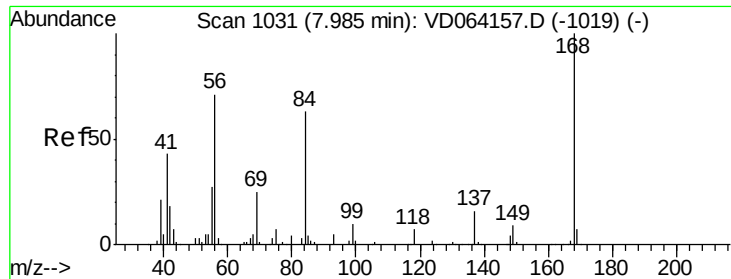
Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:168 Resp: 658959

Ion Ratio Lower Upper

168 100

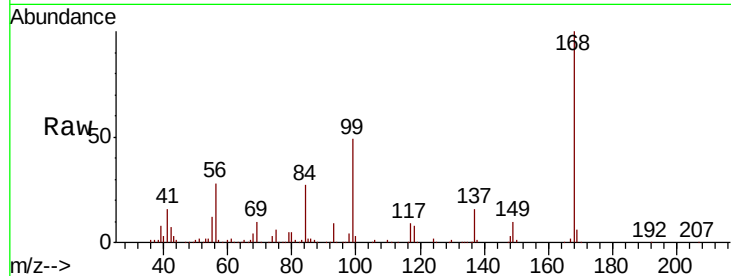
99 48.6 41.6 62.4

Manual Integrations

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11/20/2019 1:11:45 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

300000

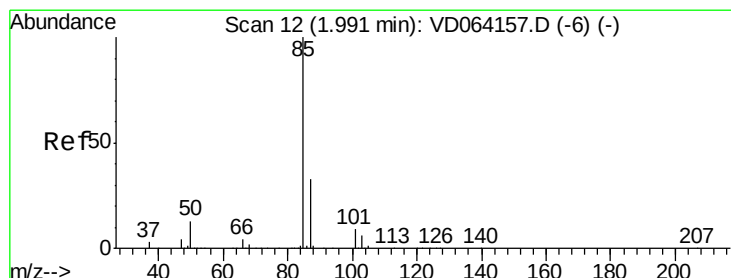
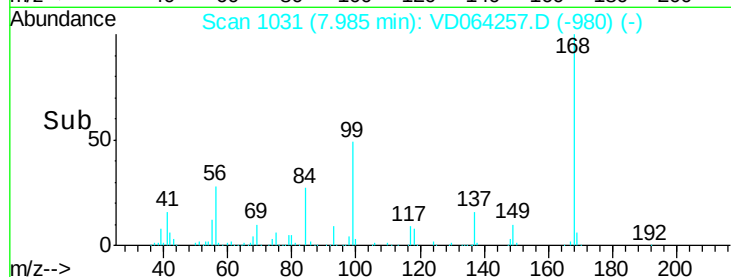
200000

100000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.688 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064257.D

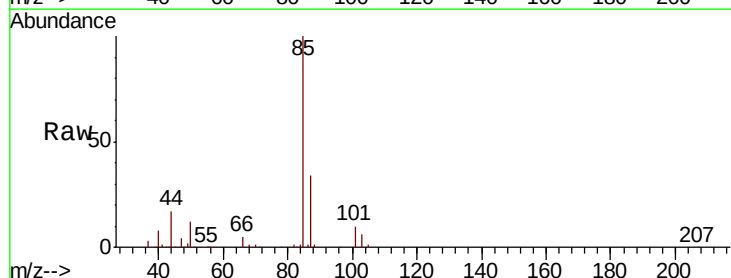
Acq: 18 Nov 2019 11:42

Tgt Ion: 85 Resp: 102135

Ion Ratio Lower Upper

85 100

87 34.5 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

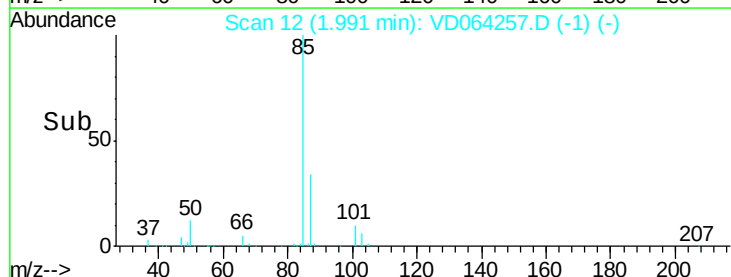
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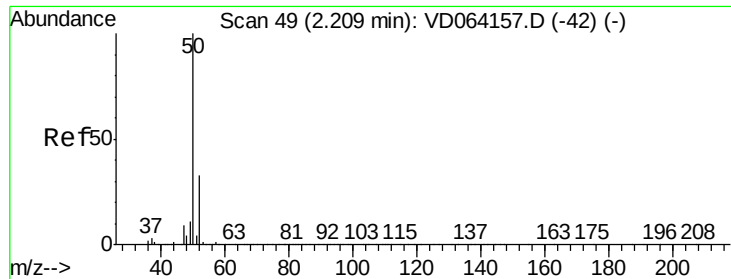
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 20.432 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 50 Resp: 119775

Ion Ratio Lower Upper

50 100

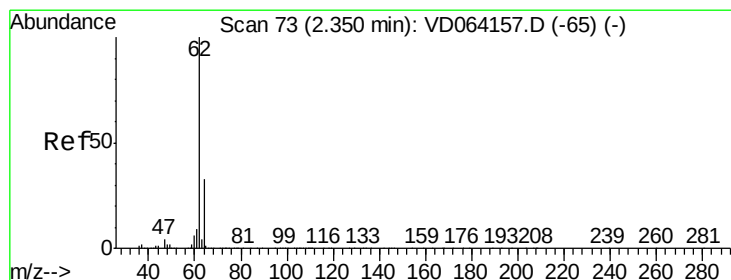
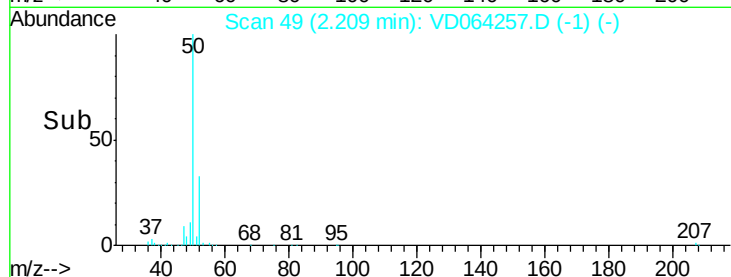
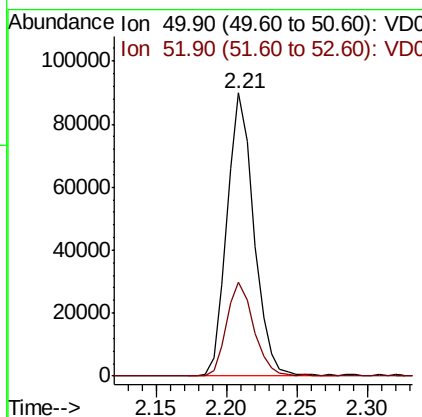
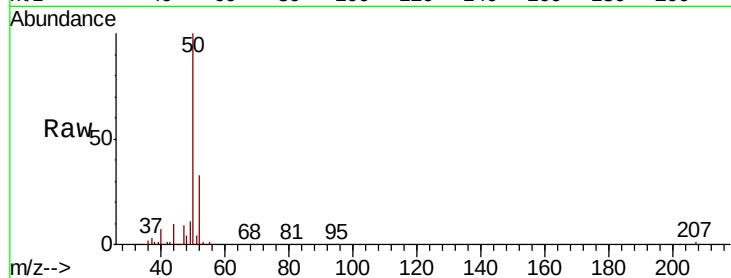
52 33.1 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.949 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064257.D

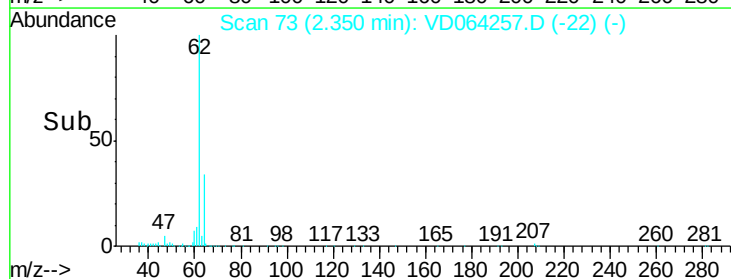
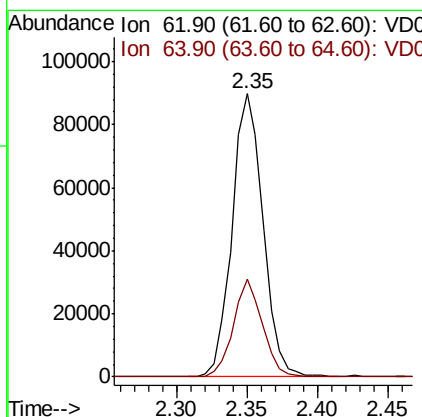
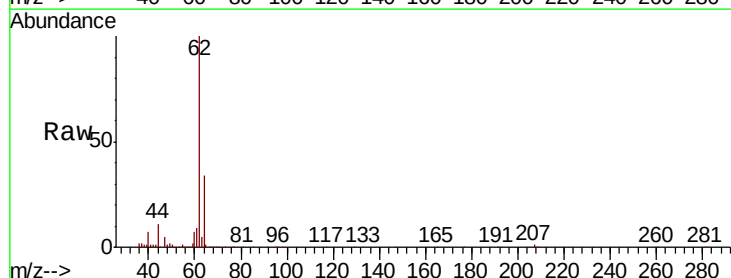
Acq: 18 Nov 2019 11:42

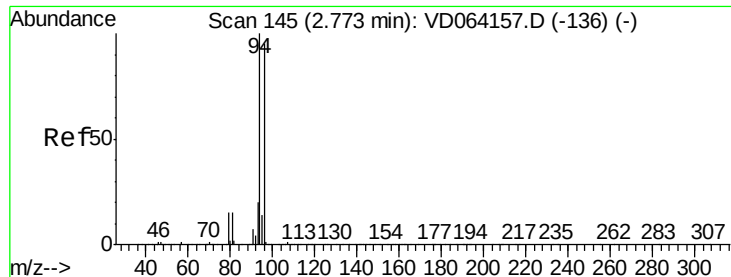
Tgt Ion: 62 Resp: 137596

Ion Ratio Lower Upper

62 100

64 34.4 26.2 39.2





#5

Bromomethane

Concen: 23.441 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 94 Resp: 92790

Ion Ratio Lower Upper

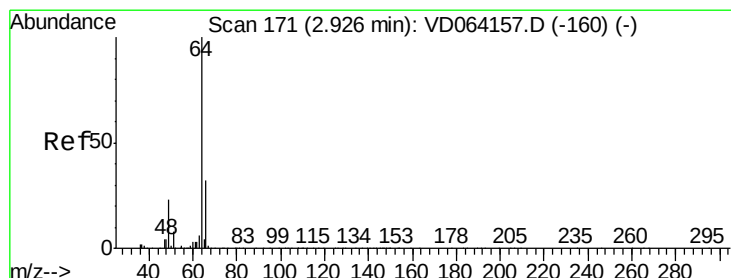
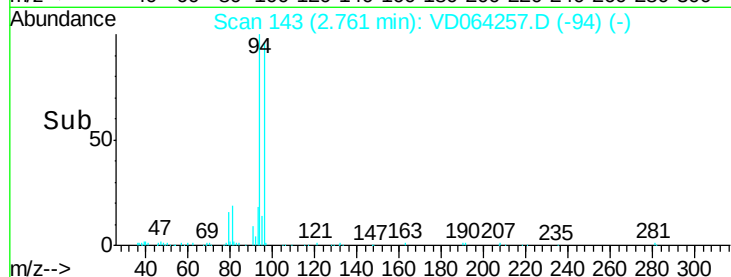
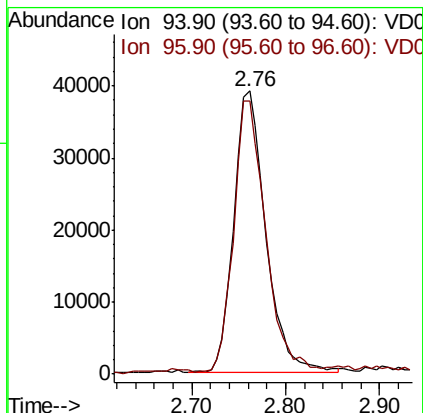
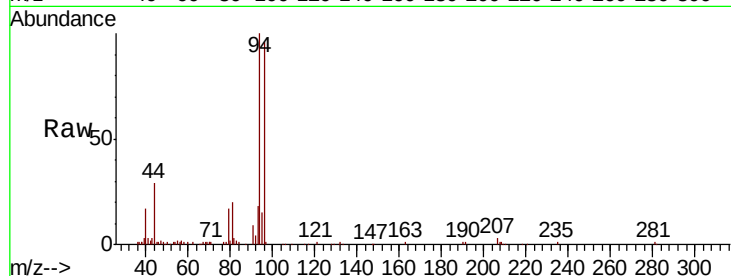
94 100

96 95.4 76.2 114.4

Manual Integrations
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#6

Chloroethane

Concen: 23.198 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064257.D

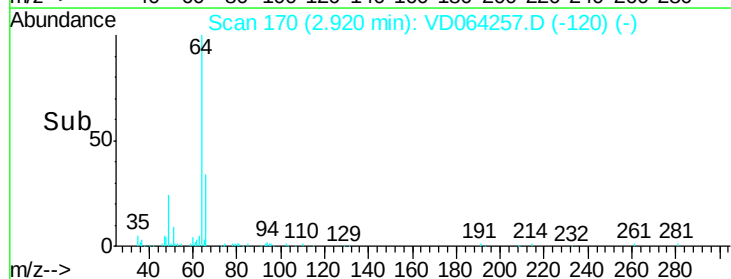
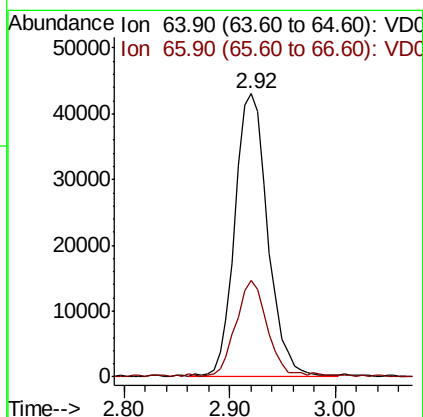
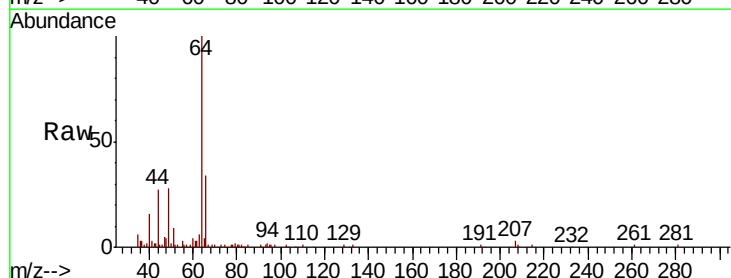
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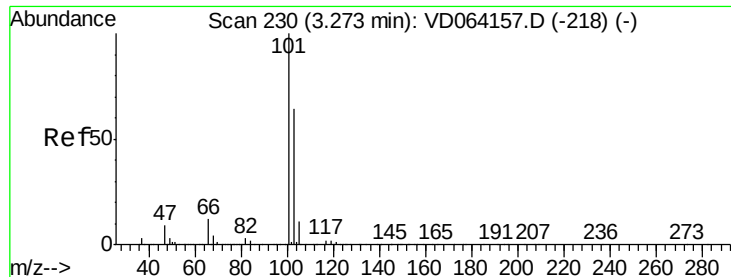
Tgt Ion: 64 Resp: 92924

Ion Ratio Lower Upper

64 100

66 33.3 25.5 38.3





#7

Trichlorofluoromethane

Concen: 24.166 ug/l

RT: 3.27 min Scan# 229

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:101 Resp: 245613

Ion Ratio Lower Upper

101 100

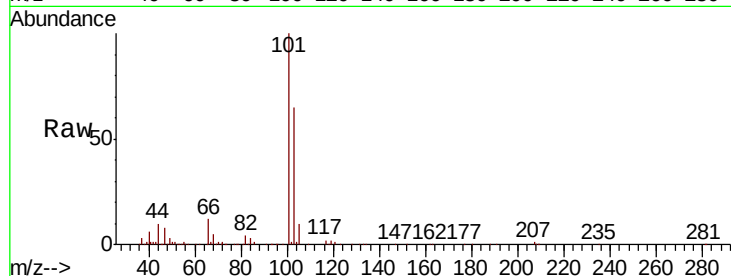
103 65.3 50.8 76.2

Manual Integrations

APPROVED

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Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V

3.27

120000

100000

80000

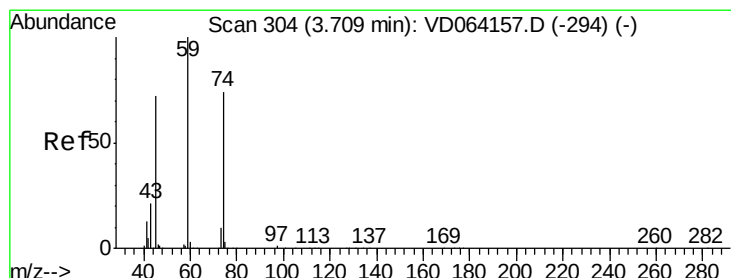
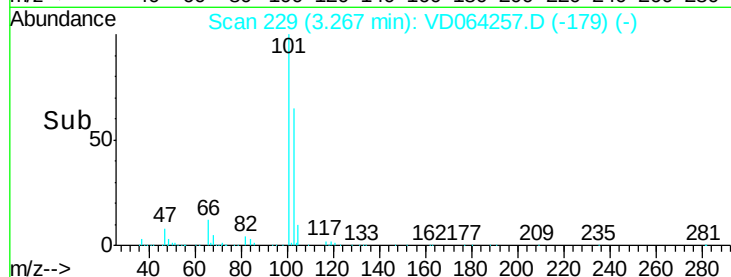
60000

40000

20000

0

Time-->



#8

Diethyl Ether

Concen: 18.969 ug/l

RT: 3.70 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD064257.D

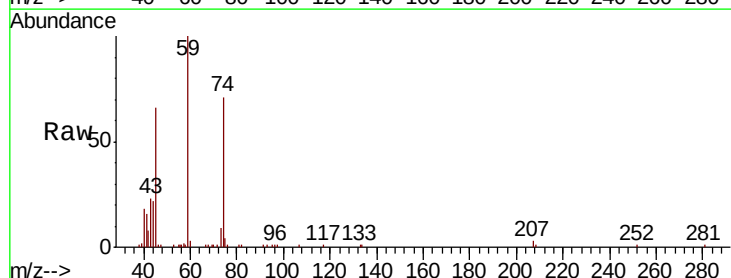
Acq: 18 Nov 2019 11:42

Tgt Ion: 74 Resp: 53011

Ion Ratio Lower Upper

74 100

45 92.4 47.9 143.7



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC

25000

20000

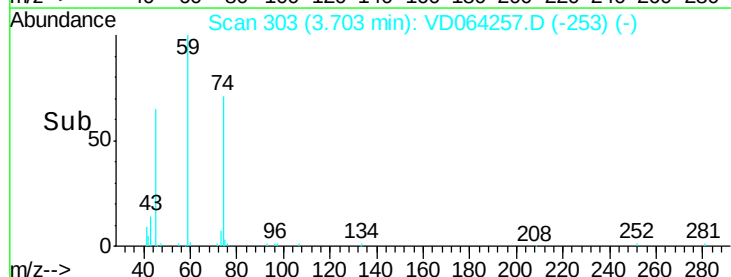
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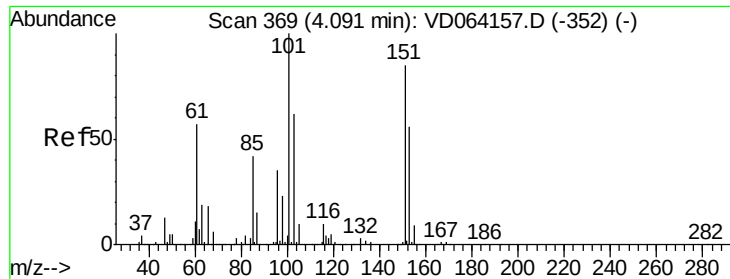
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5000

0

Time-->





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.215 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

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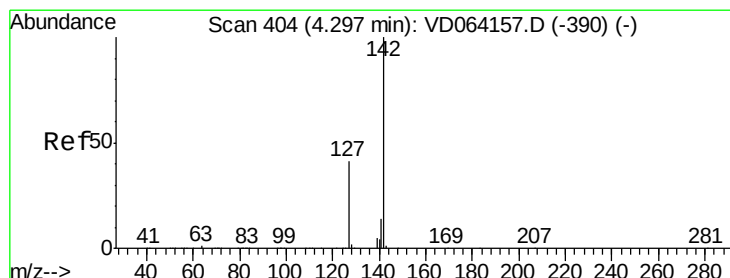
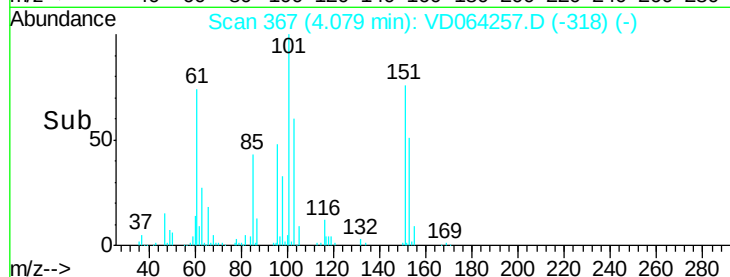
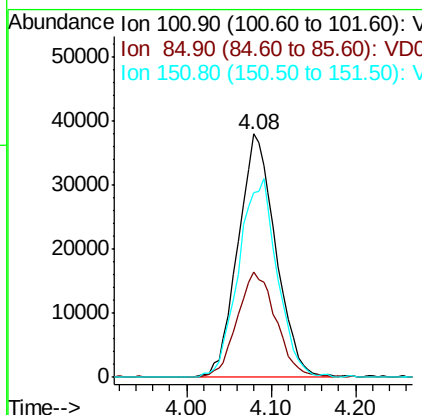
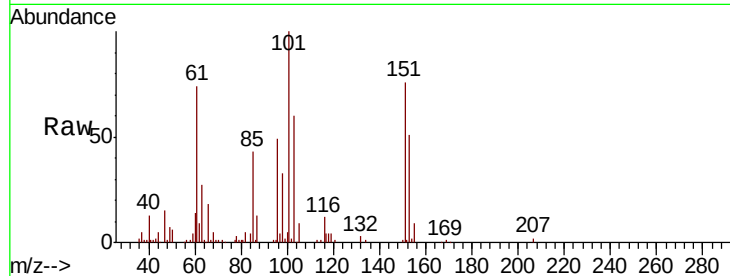
ClientSampleId :

VD1118SBS01

Tot Ion:	101	Resp:	117429
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.4	51.6
151	84.0	68.1	102.1

Manual Integrations
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#10

Methyl Iodide

Concen: 17.675 ug/l

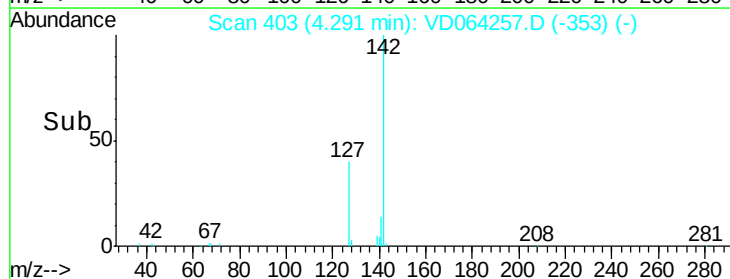
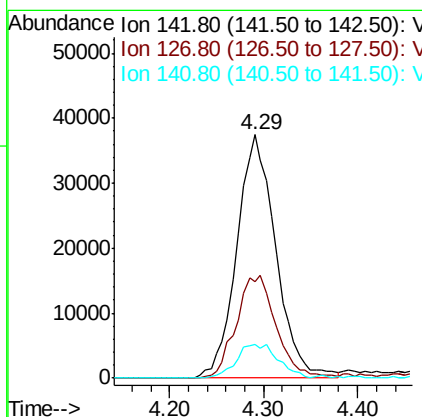
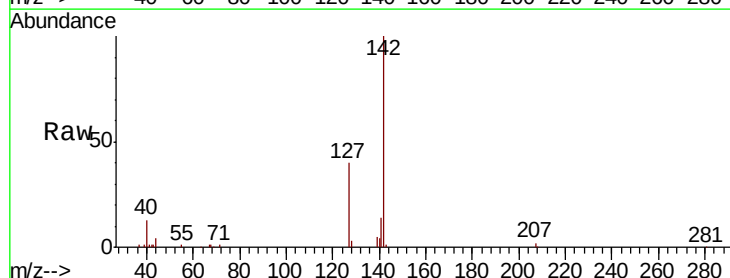
RT: 4.29 min Scan# 403

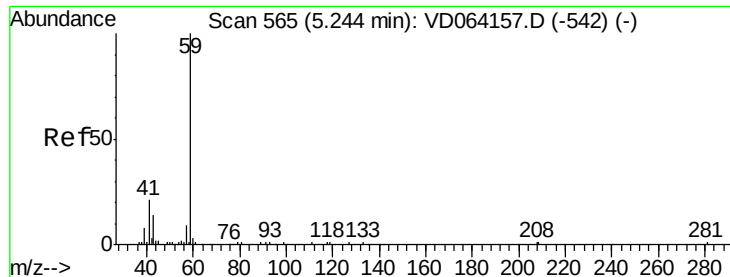
Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	142	Resp:	108127
Ion Ratio	Lower	Upper	
142	100		
127	43.1	34.4	51.6
141	14.7	11.2	16.8





#11

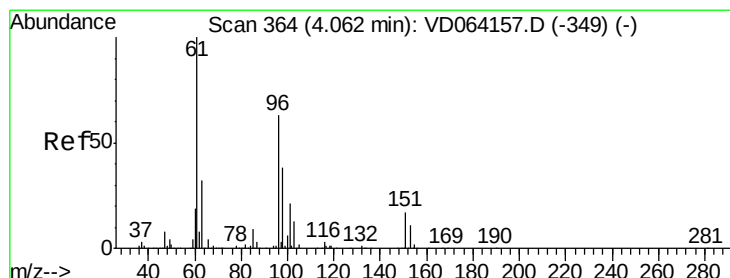
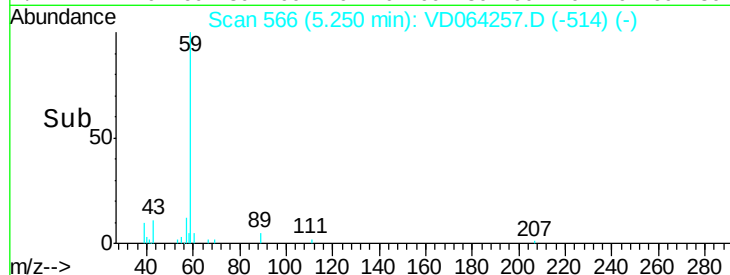
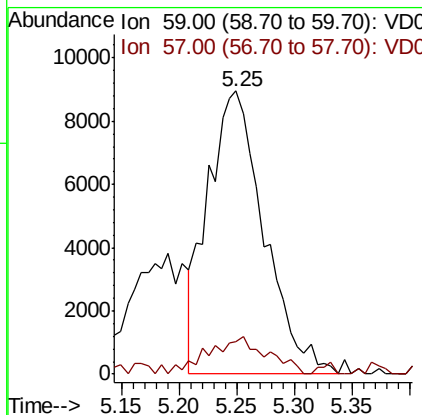
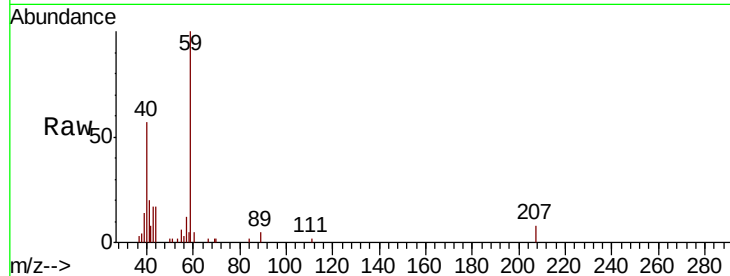
Tert butyl alcohol
 Concen: 80.273 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	30386		
57	57	13.8		9.4	14.2

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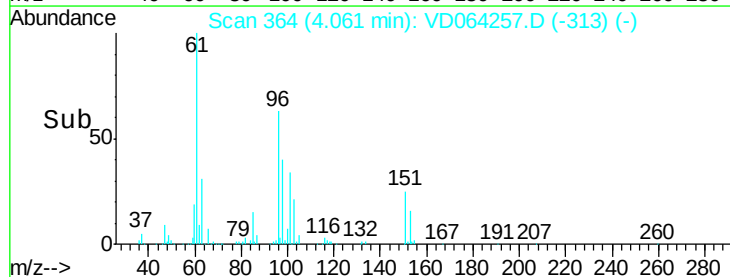
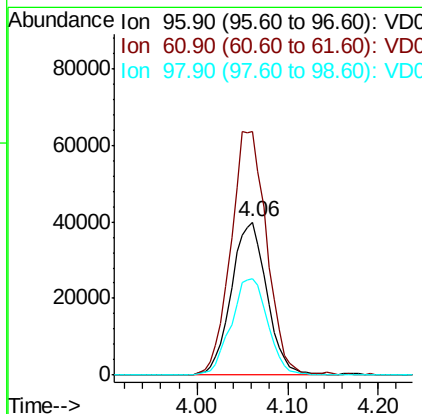
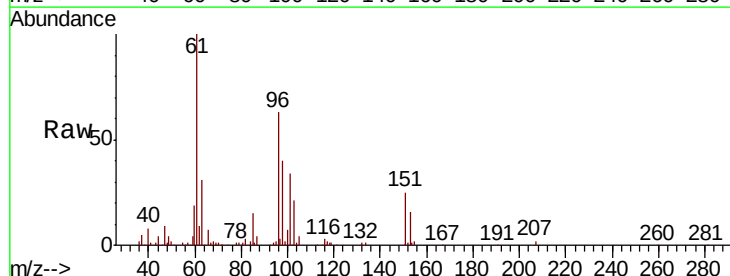
MMDadoda
 11/20/2019 1:11:45 PM

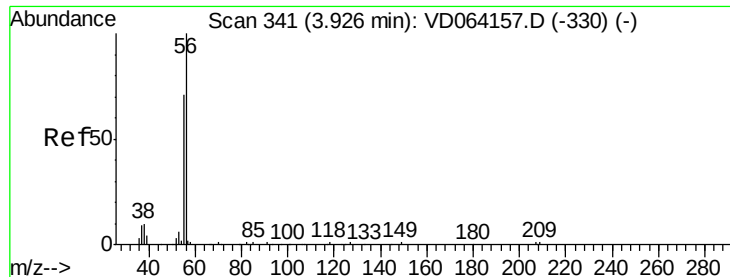


#12

1,1-Dichloroethene
 Concen: 19.707 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	109121		
61	61	158.4		127.4	191.2
98	98	62.9		48.1	72.1





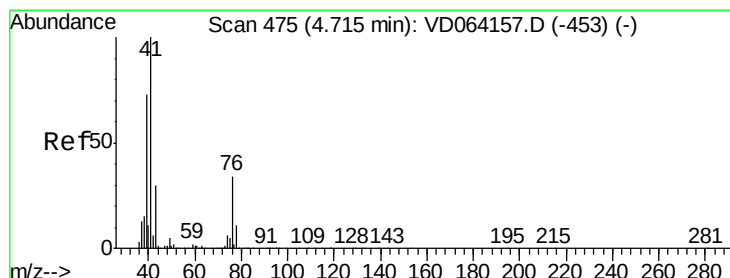
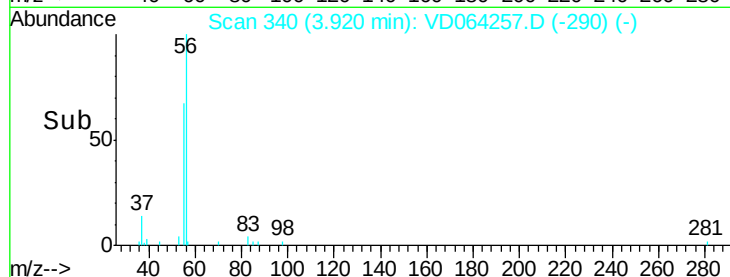
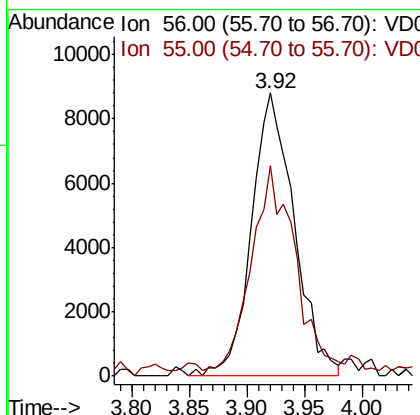
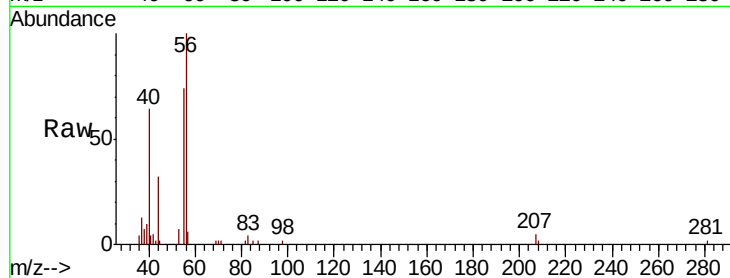
#13
Acrolein
Concen: 70.853 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
55	73.1	56.1	84.1

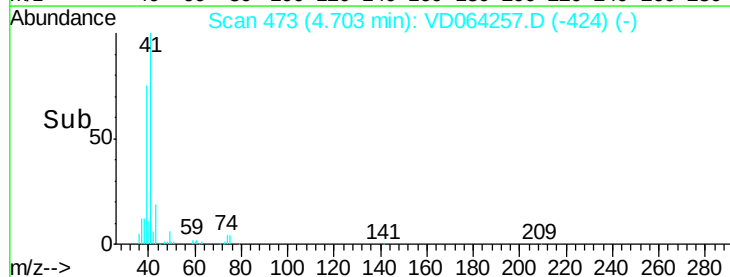
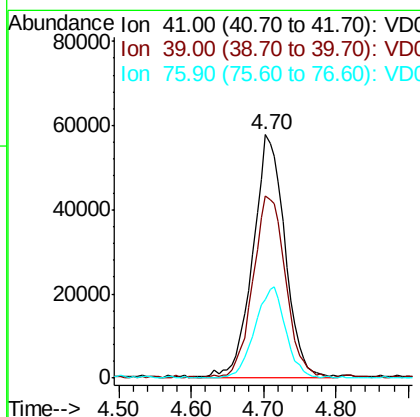
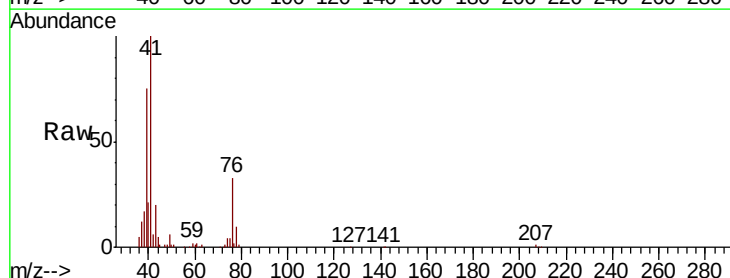
Manual Integrations
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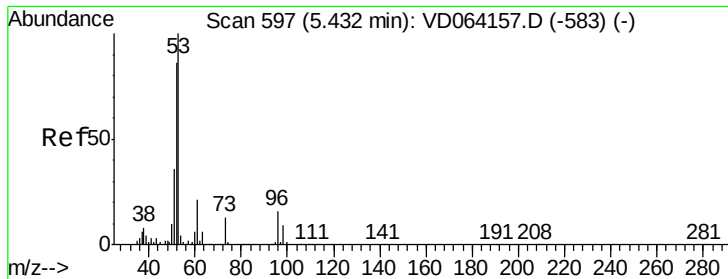
MMDadoda
11/20/2019 1:11:45 PM



#14
Allyl chloride
Concen: 18.324 ug/l
RT: 4.70 min Scan# 473
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
41	100		
39	76.2	57.5	86.3
76	36.0	26.8	40.2





#15

Acrylonitrile

Concen: 93.847 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

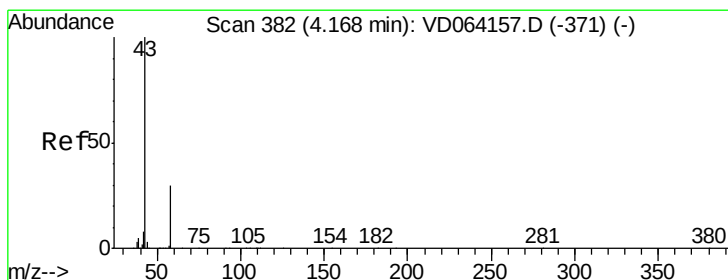
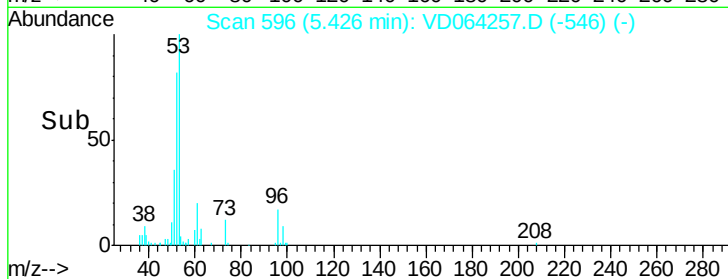
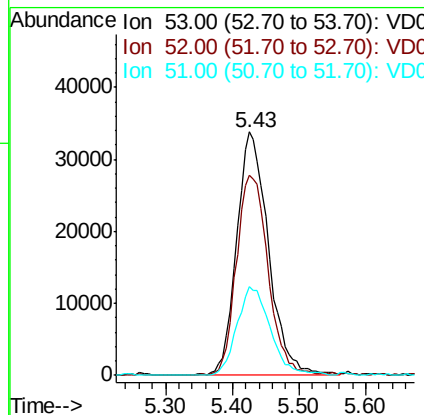
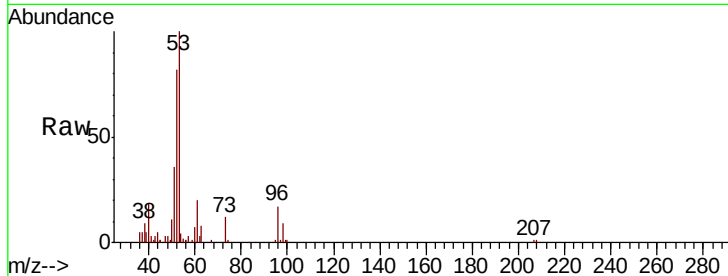
ClientSampleId :

VD1118SBS01

Tot Ion:	53	Resp:	111806
Ion	Ratio	Lower	Upper
53	100		
52	81.7	66.7	100.1
51	38.1	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 73.111 ug/l

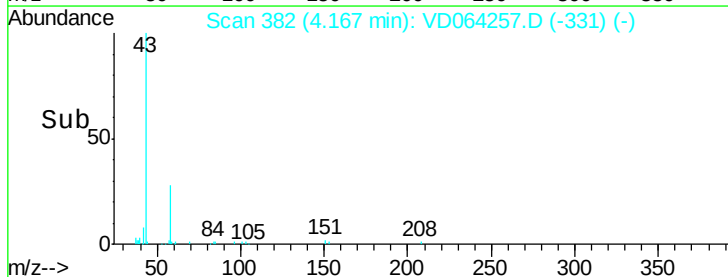
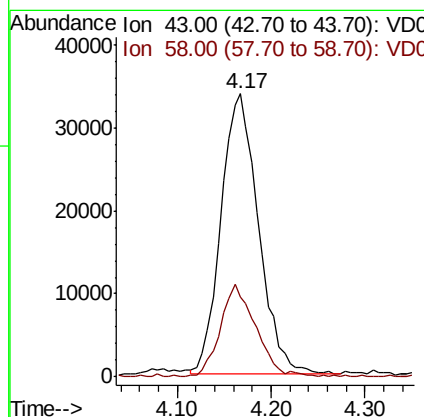
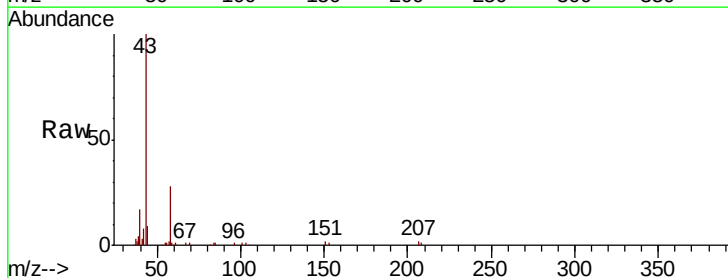
RT: 4.17 min Scan# 382

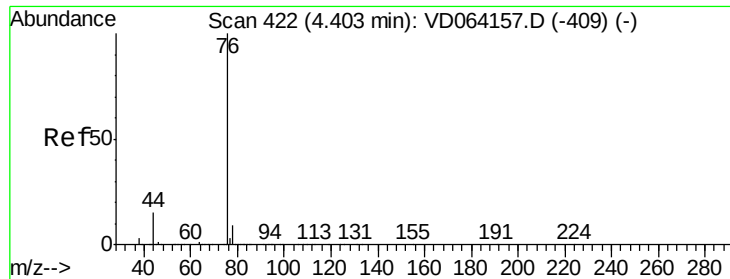
Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	43	Resp:	93867
Ion	Ratio	Lower	Upper
43	100		
58	28.4	24.1	36.1





#17

Carbon Disulfide

Concen: 18.808 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 76 Resp: 324312

Ion Ratio Lower Upper

76 100

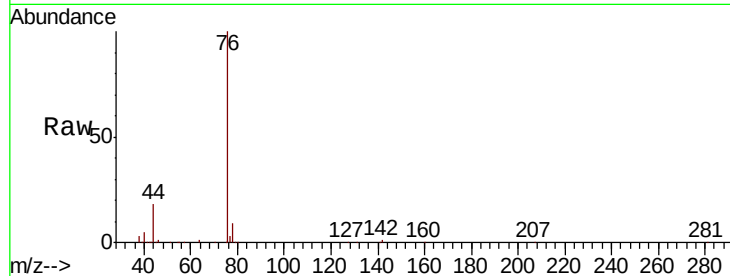
78 9.1 7.2 10.8

Manual Integrations

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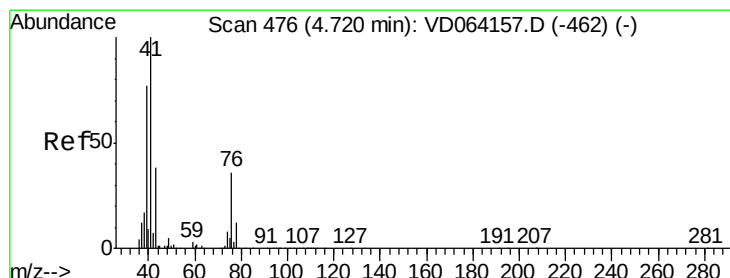
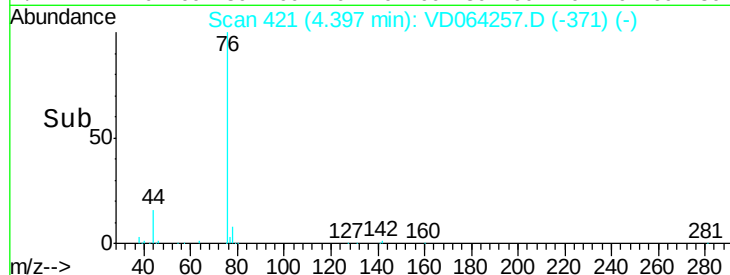
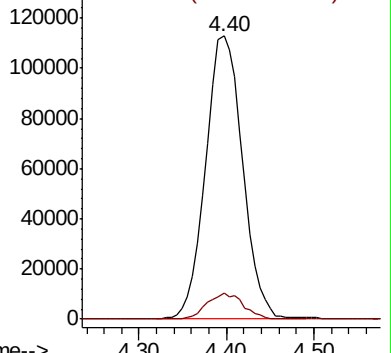
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 17.229 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.00 min

Lab File: VD064257.D

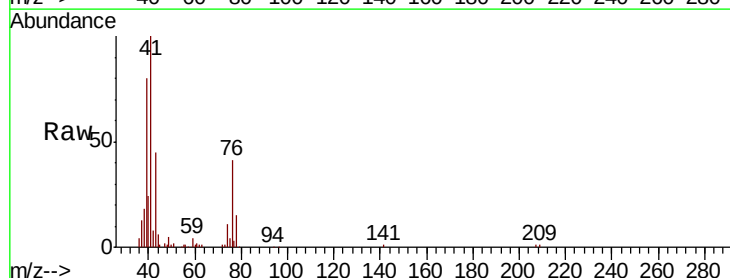
Acq: 18 Nov 2019 11:42

Tgt Ion: 43 Resp: 61783

Ion Ratio Lower Upper

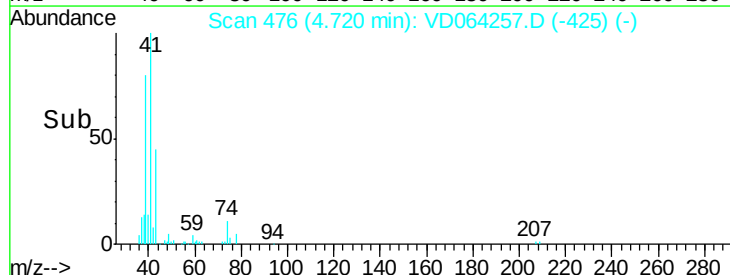
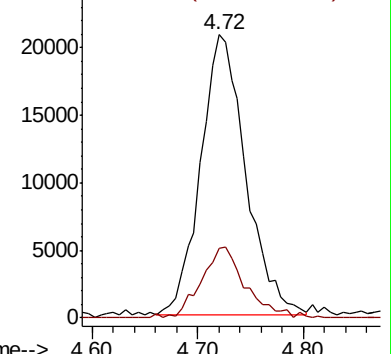
43 100

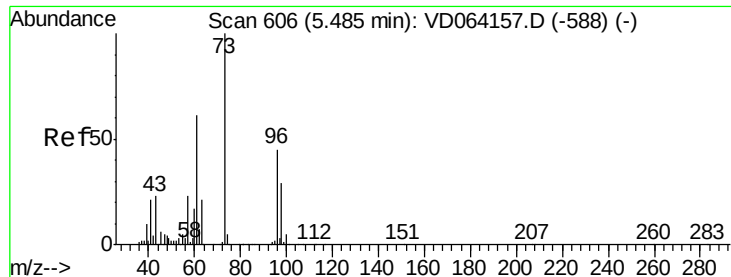
74 24.7 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





#19

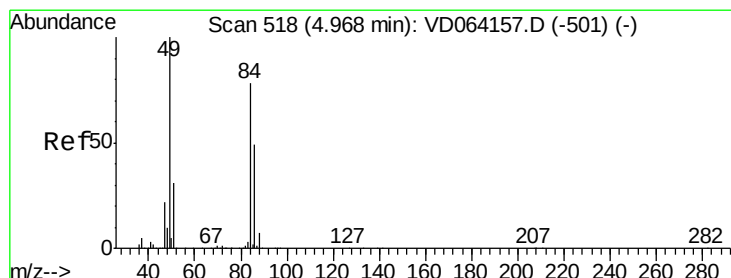
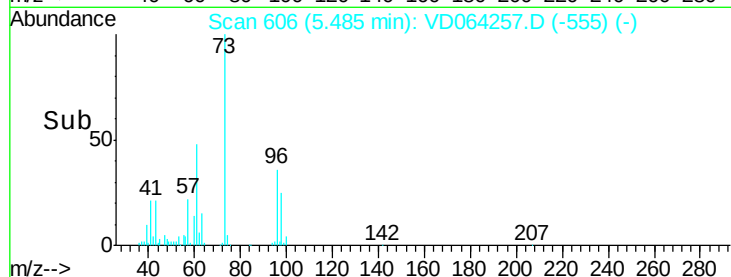
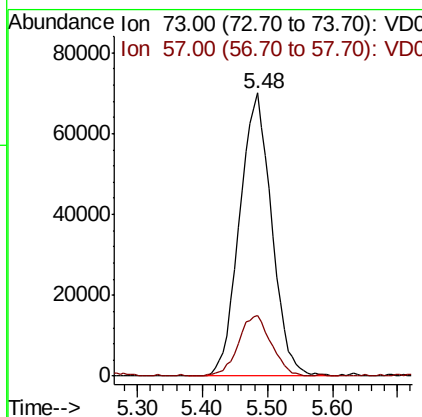
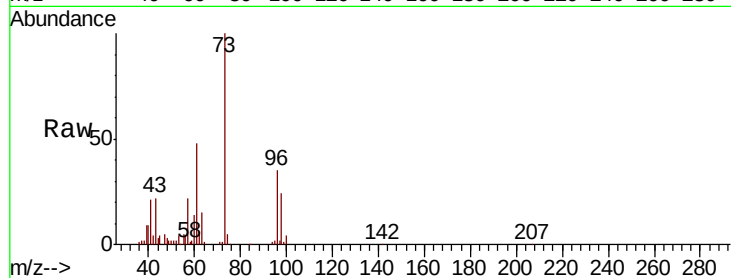
Methyl tert-butyl Ether
 Concen: 18.135 ug/l
 RT: 5.48 min Scan# 606
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.3	18.4	27.6

Manual Integrations
 APPROVED

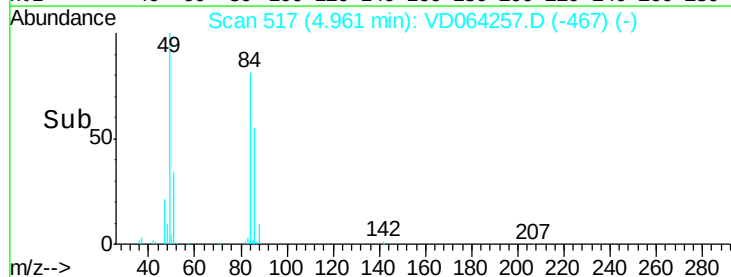
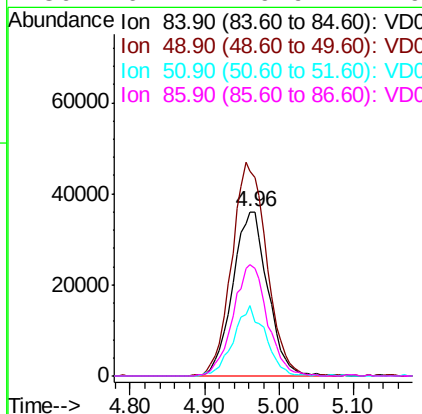
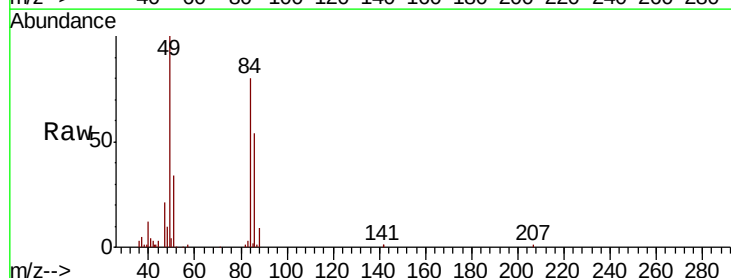
MMDadoda
 11/20/2019 1:11:45 PM

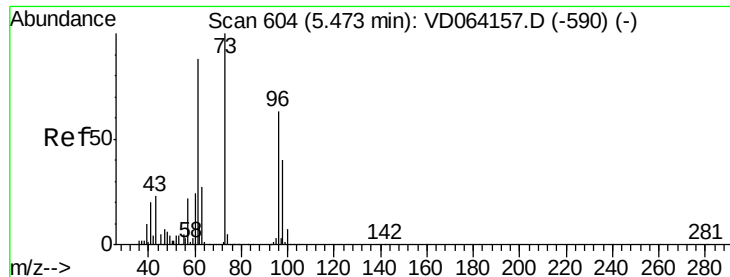


#20

Methylene Chloride
 Concen: 18.156 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.4	102.1	153.1
51	42.7	32.2	48.2
86	67.4	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 19.520 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

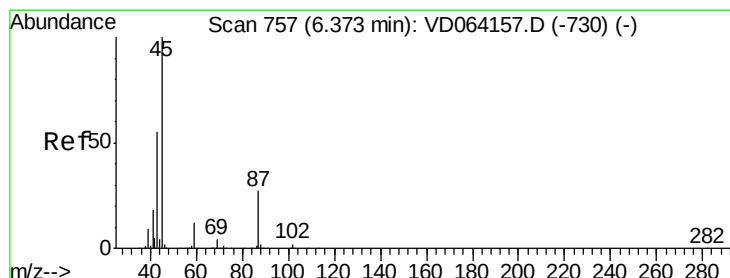
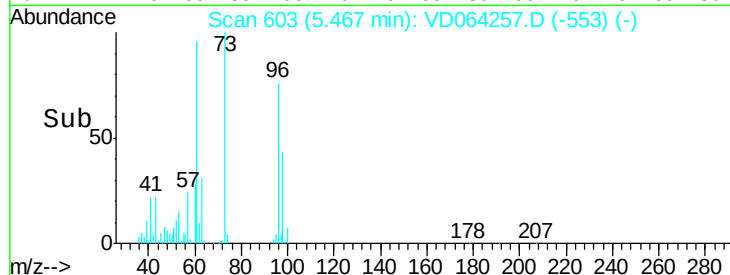
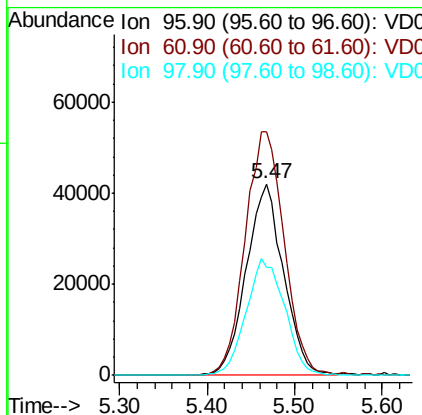
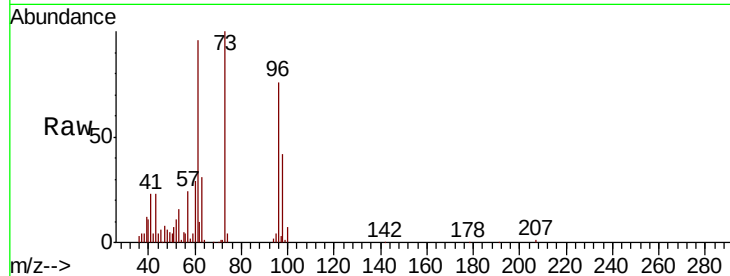
ClientSampleId :

VD1118SBS01

Tot Ion:	96	Resp:	122453
Ion	Ratio	Lower	Upper
96	100		
61	127.0	111.8	167.6
98	56.1	50.3	75.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 18.066 ug/l

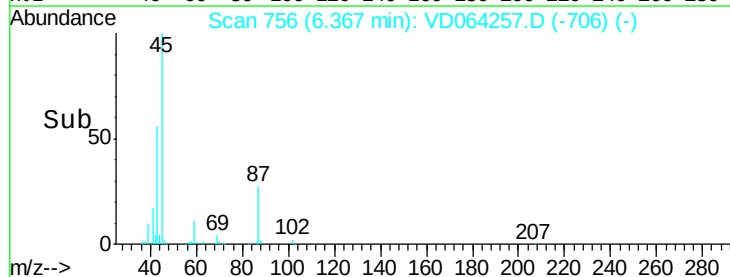
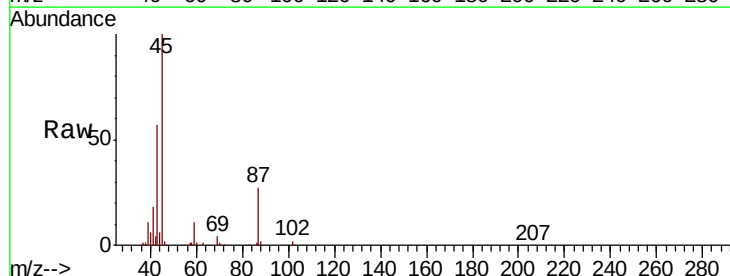
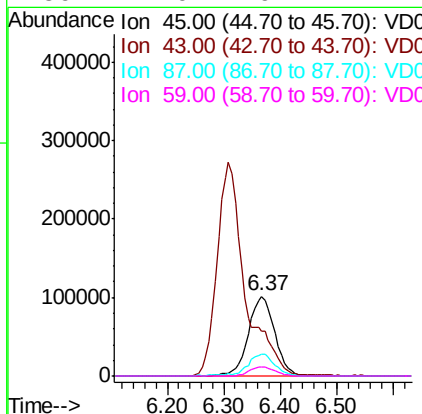
RT: 6.37 min Scan# 756

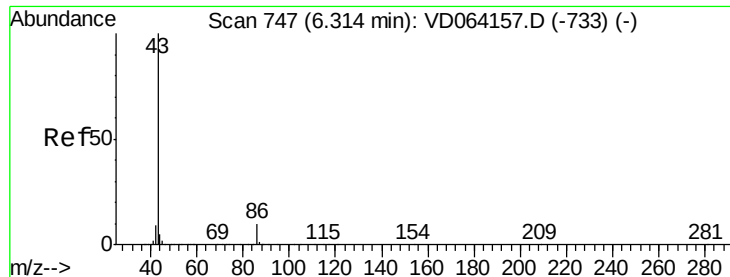
Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	45	Resp:	328166
Ion	Ratio	Lower	Upper
45	100		
43	56.2	44.4	66.6
87	26.7	21.9	32.9
59	11.0	9.4	14.2





#23

Vinyl Acetate

Concen: 92.427 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 935869

Ion Ratio Lower Upper

43 100

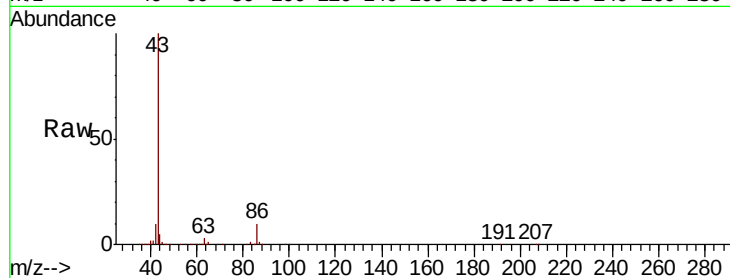
86 10.0 8.2 12.2

Manual Integrations

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11/20/2019 1:11:45 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

300000

250000

200000

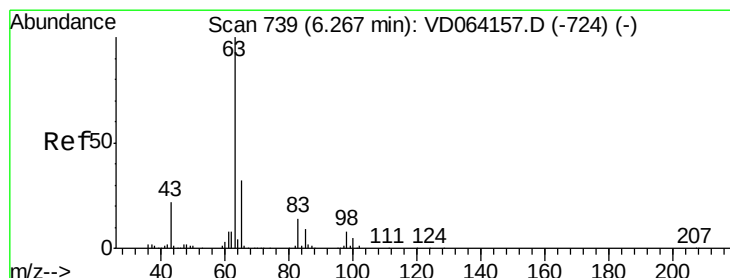
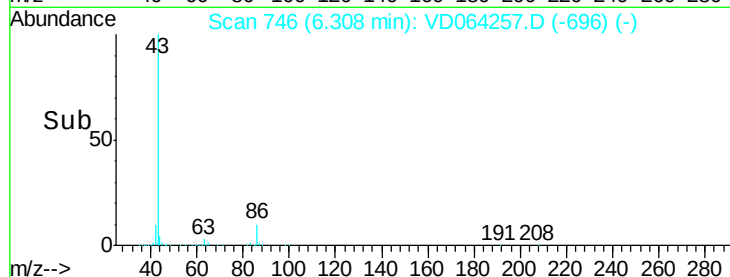
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.321 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

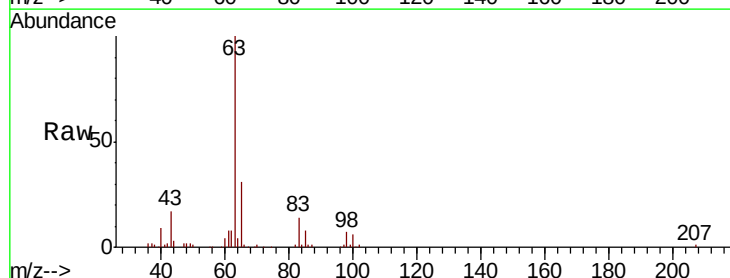
Tgt Ion: 63 Resp: 203775

Ion Ratio Lower Upper

63 100

98 7.2 3.8 11.4

100 6.3 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

6.26

80000

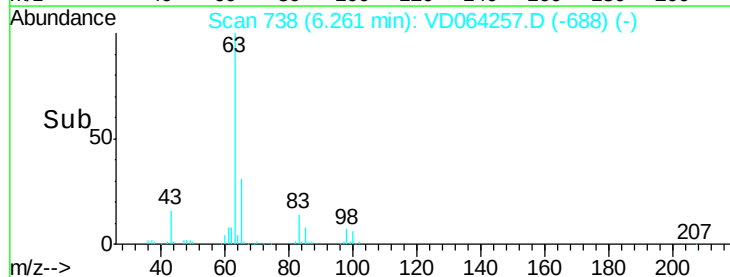
60000

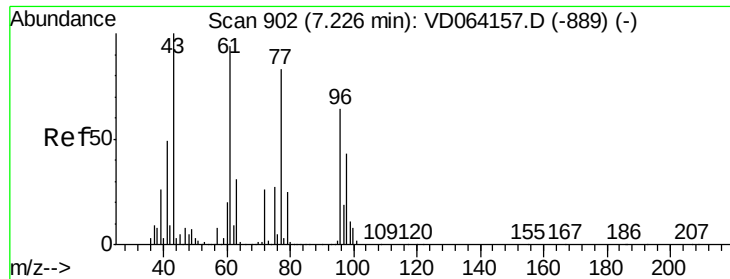
40000

20000

0

Time-->





#25

2-Butanone

Concen: 83.592 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 138656

Ion Ratio Lower Upper

43 100

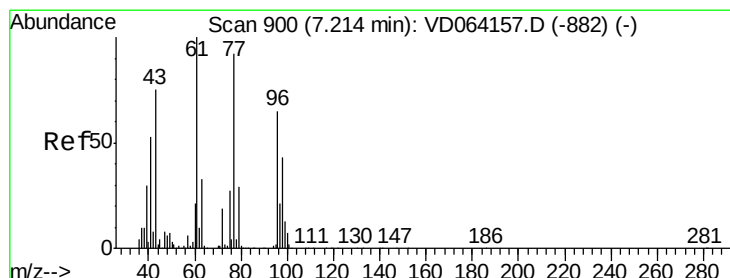
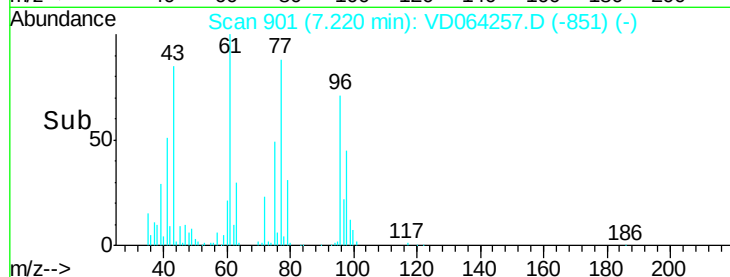
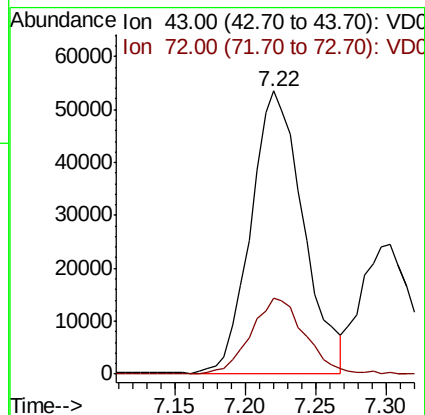
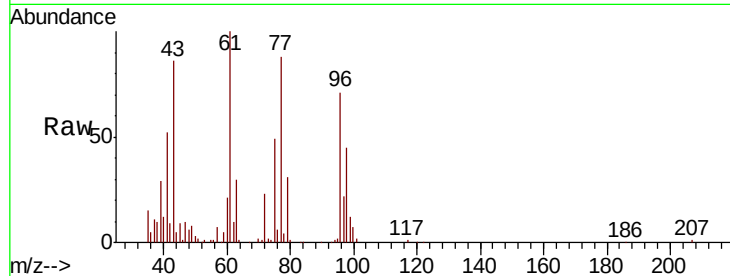
72 27.0 20.6 30.8

Manual Integrations

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MMDadoda

11/20/2019 1:11:45 PM



#26

2,2-Dichloropropane

Concen: 18.953 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064257.D

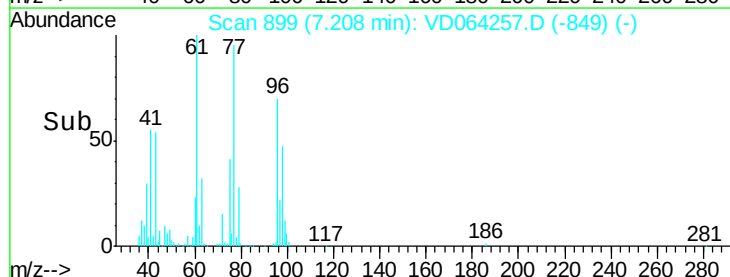
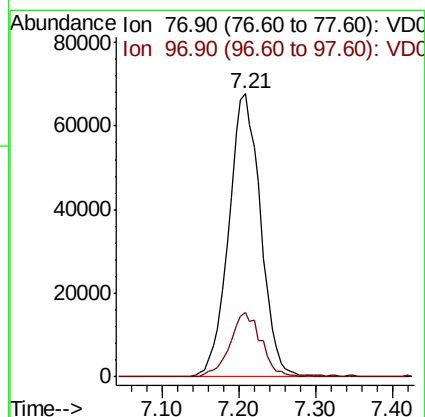
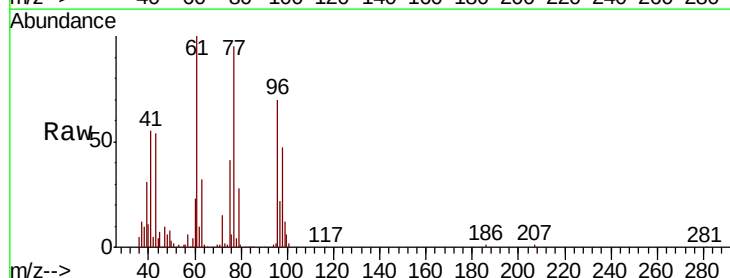
Acq: 18 Nov 2019 11:42

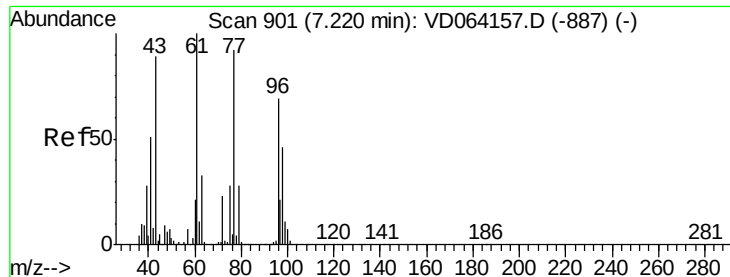
Tgt Ion: 77 Resp: 196032

Ion Ratio Lower Upper

77 100

97 22.3 11.1 33.3





#27

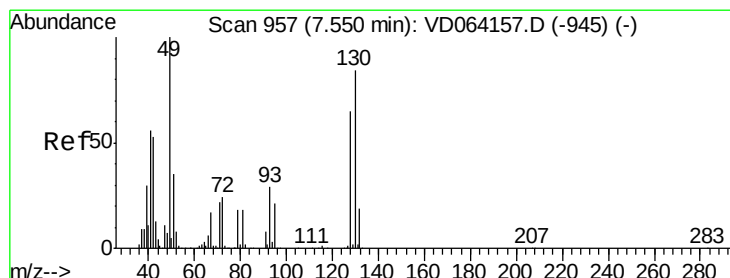
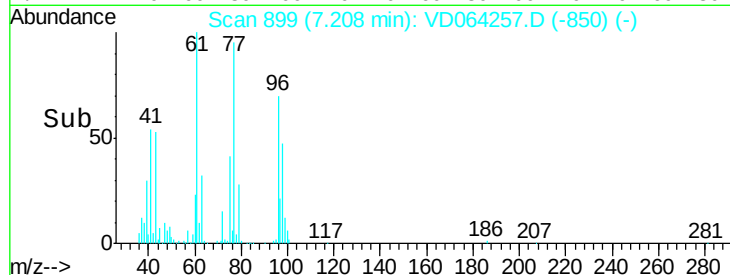
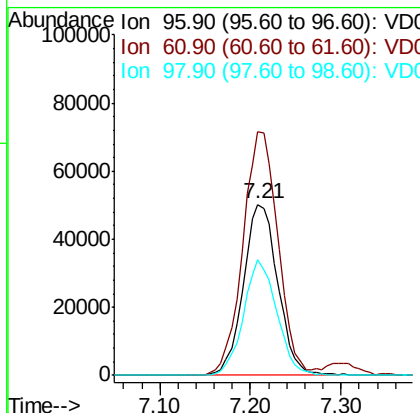
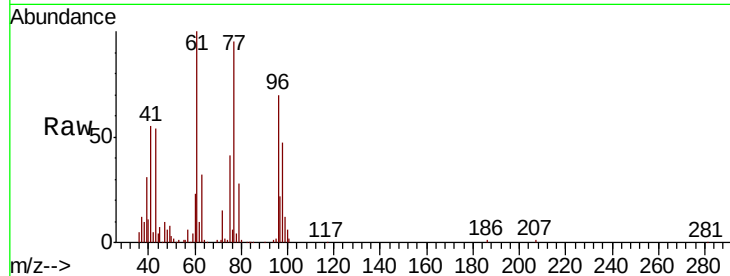
cis-1,2-Dichloroethene
Concen: 19.646 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	132169		
61	145.9		0.0	301.4
98	65.3		0.0	133.2

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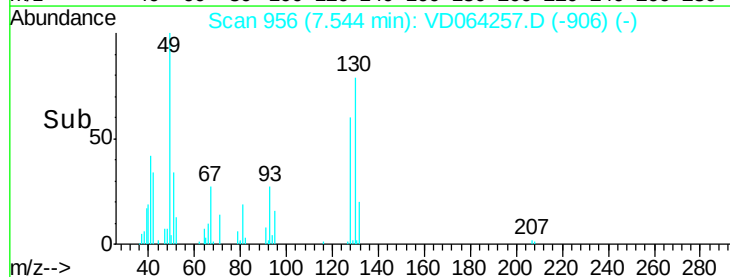
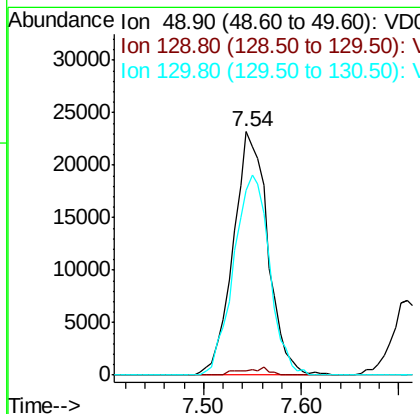
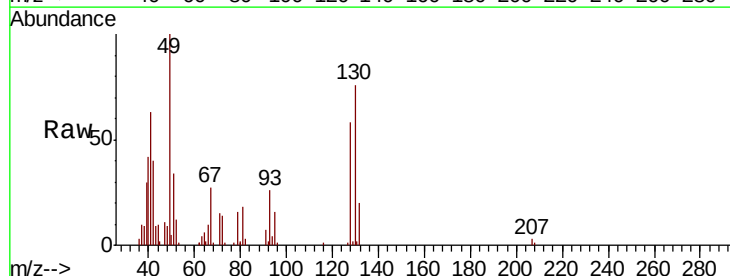
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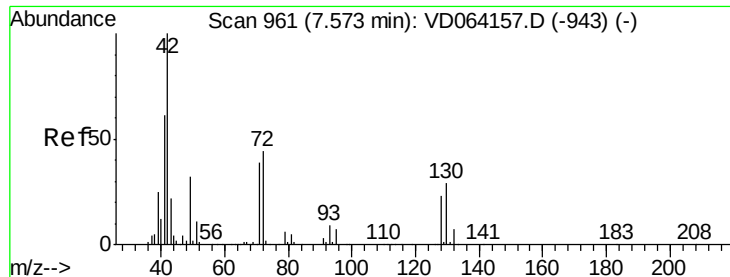


#28

Bromochloromethane
Concen: 15.626 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	57379		
129	2.4		0.0	4.4
130	85.2		66.8	100.2





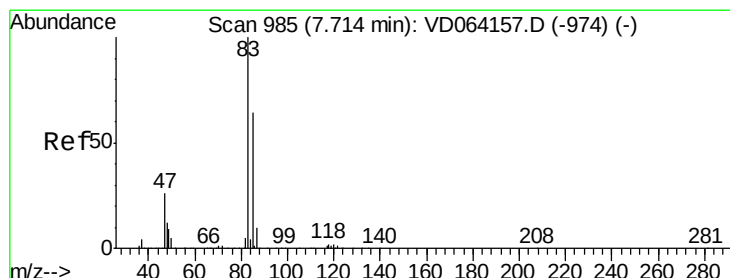
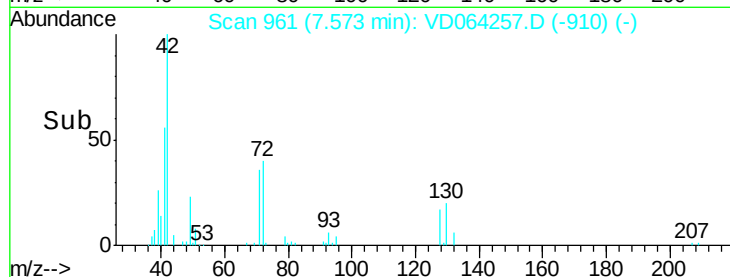
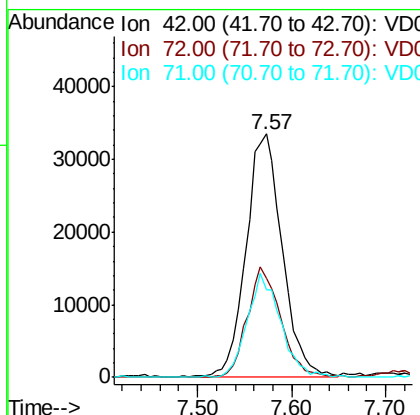
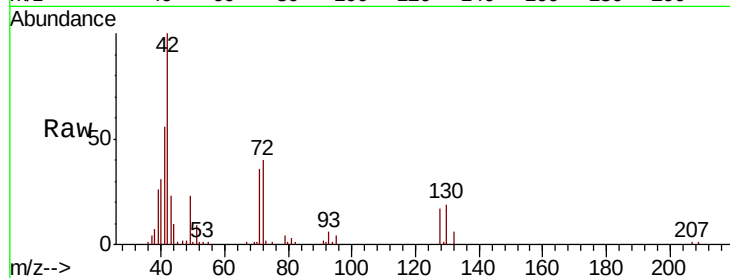
#29
Tetrahydrofuran
Concen: 89.717 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.4	50.2
71	39.2	31.0	46.4

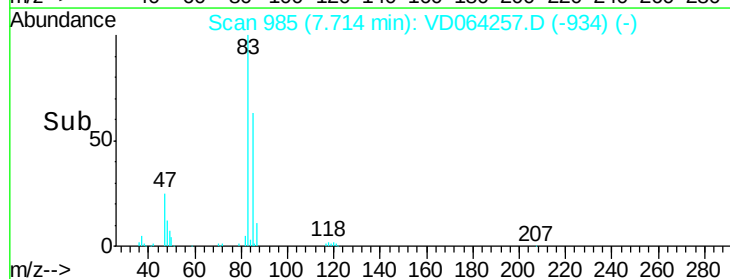
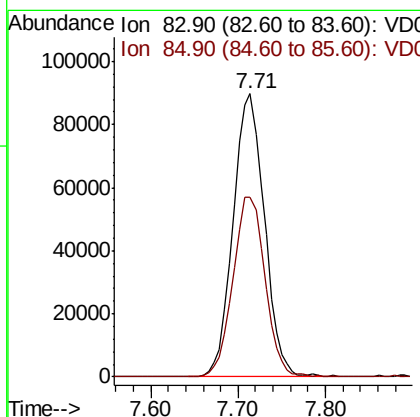
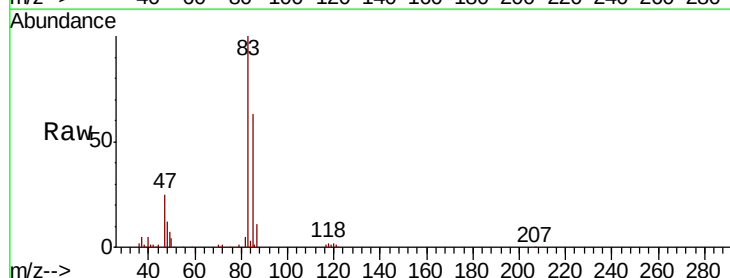
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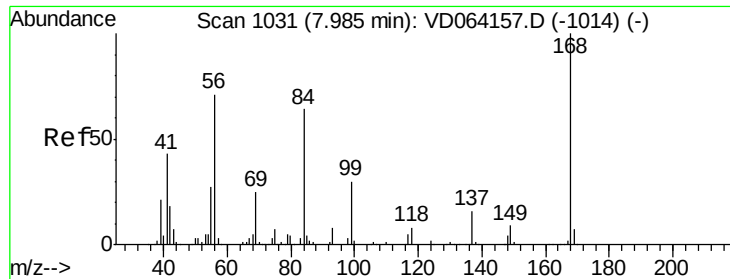
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#30
Chloroform
Concen: 20.155 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.0





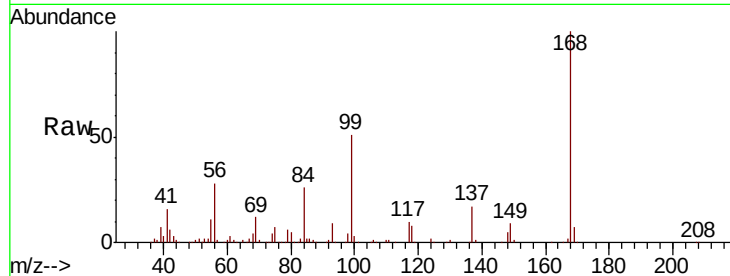
#31
Cyclohexane
Concen: 18.833 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

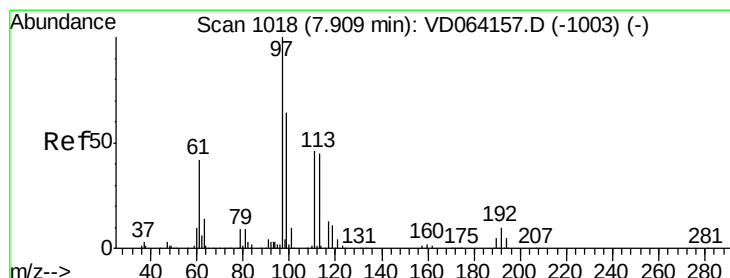
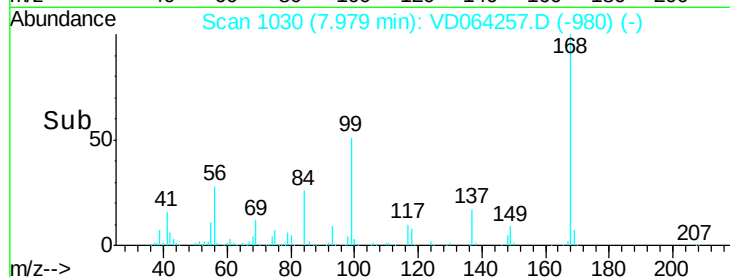
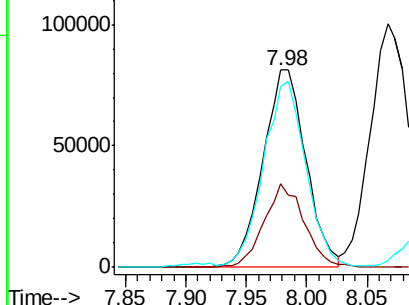
Tot Ion	Ratio	Lower	Upper
56	100		
69	42.3	28.2	42.4
84	90.5	71.8	107.6

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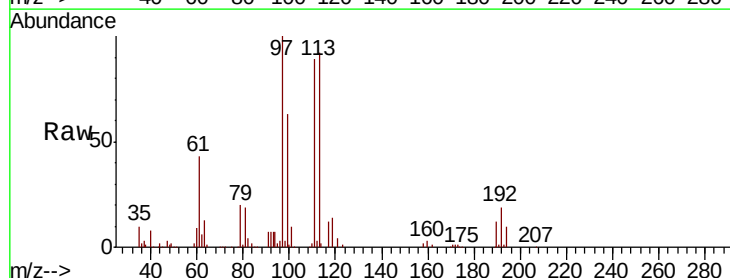


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

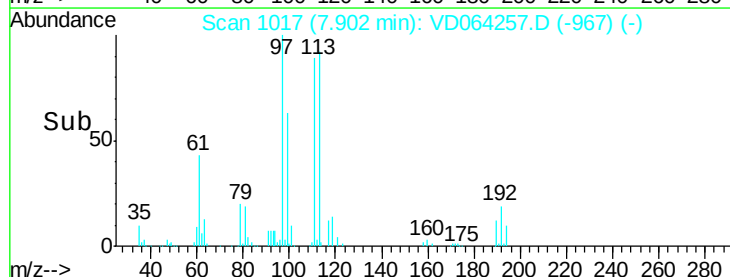
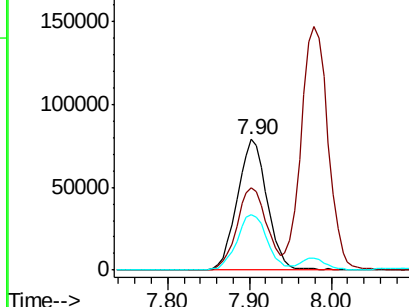


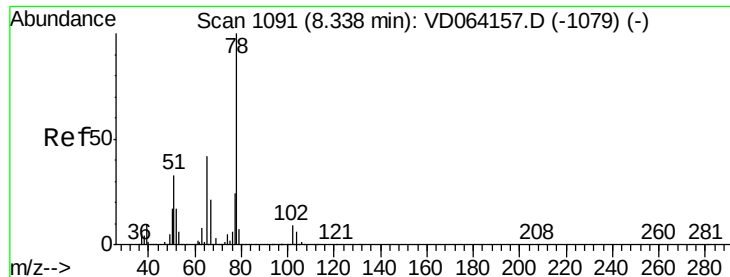
#32
1,1,1-Trichloroethane
Concen: 19.378 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	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





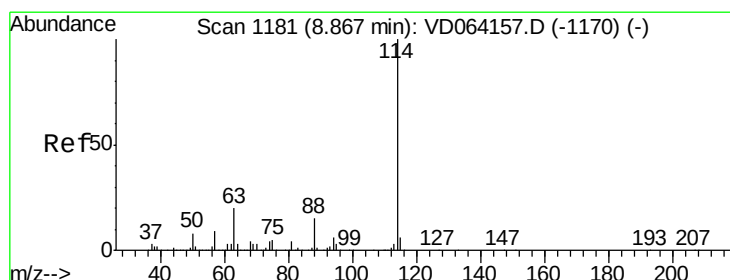
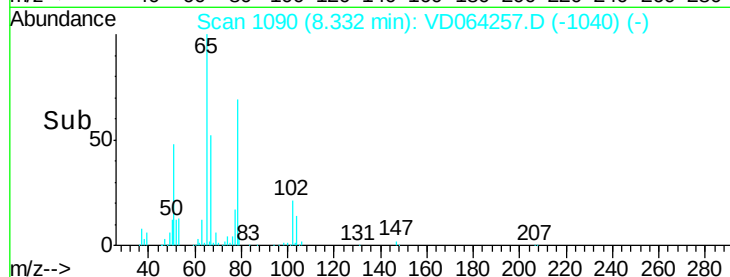
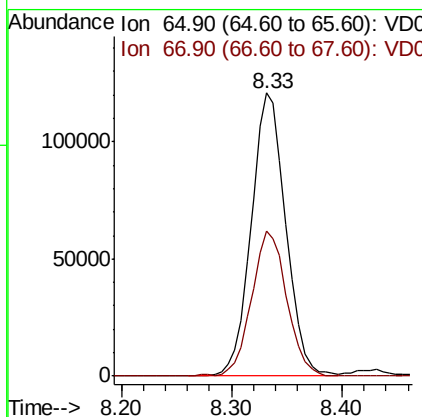
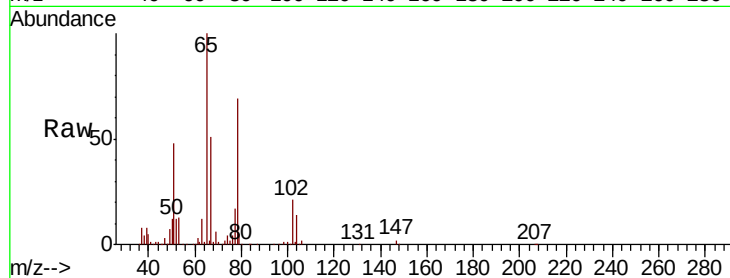
#33
 1,2-Dichloroethane-d4
 Concen: 48.888 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.4

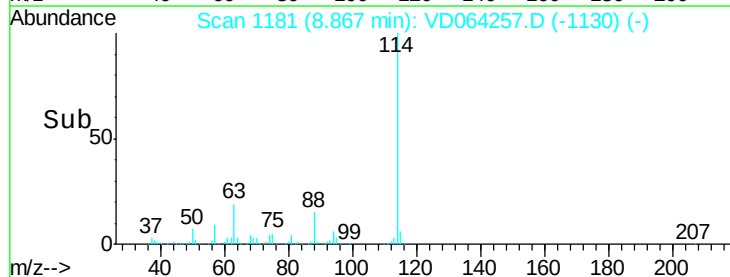
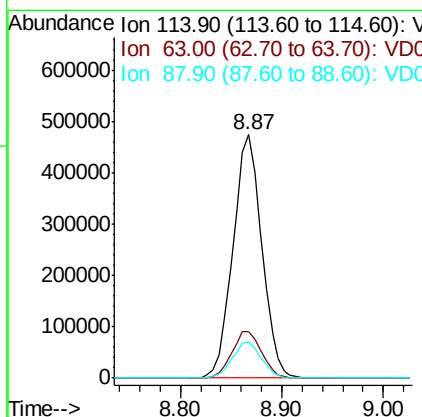
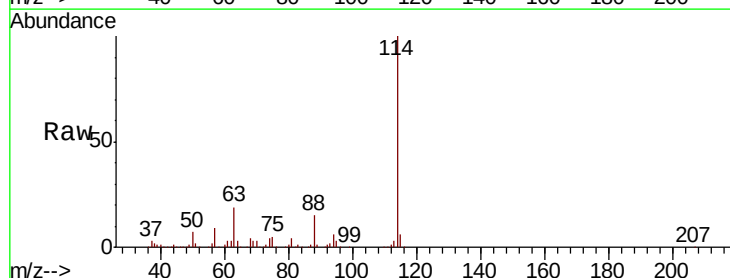
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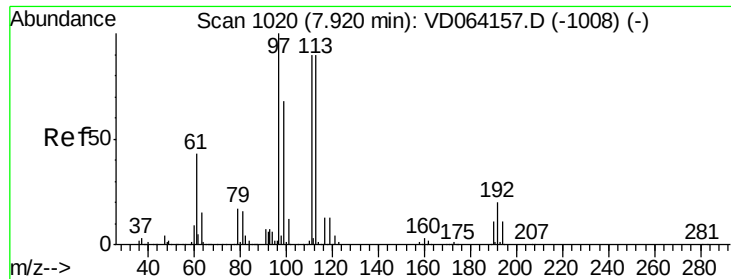
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.8	0.0	40.0
88	14.7	0.0	30.2





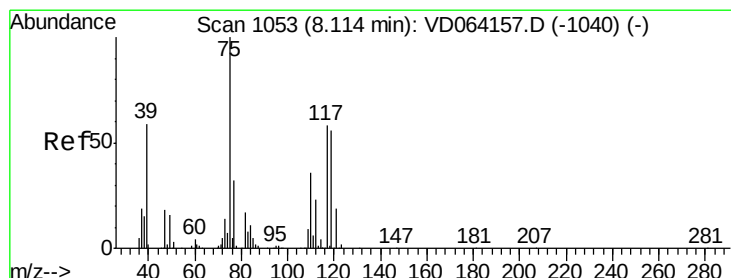
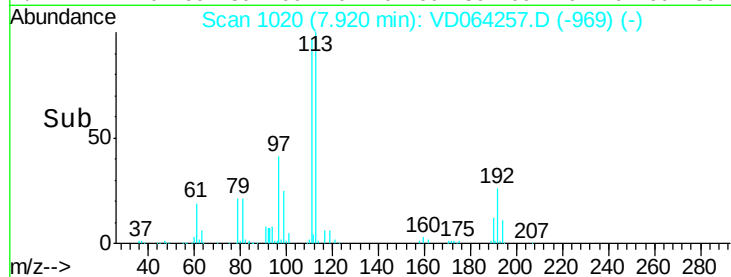
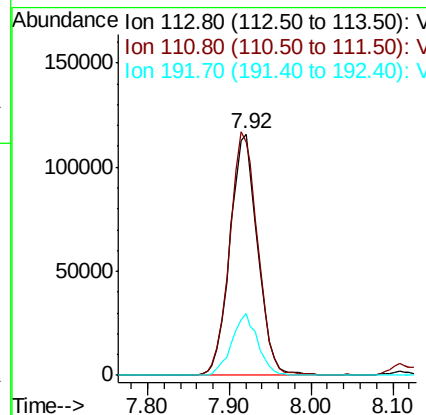
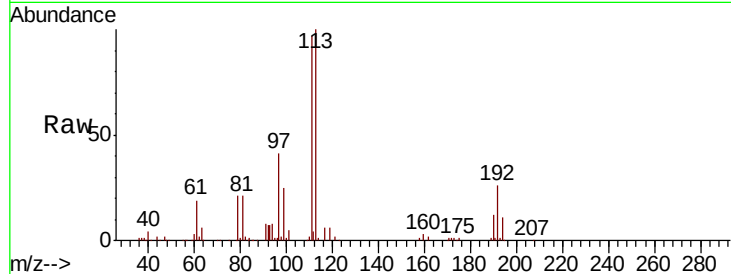
#35
Dibromofluoromethane
Concen: 50.570 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	272366		
111	102.4		81.5	122.3
192	24.0		18.8	28.2

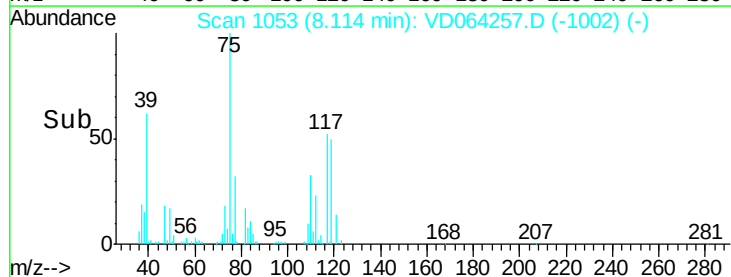
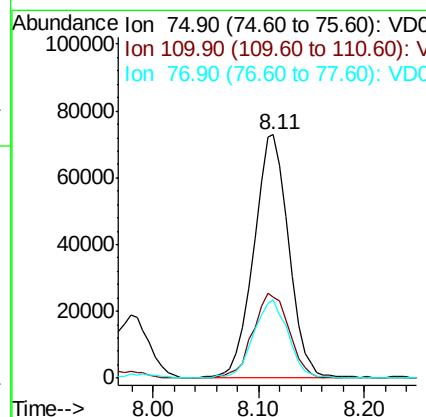
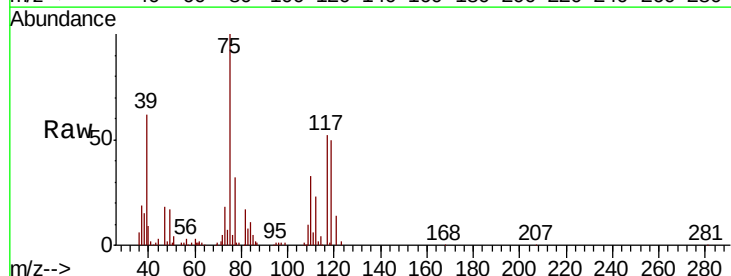
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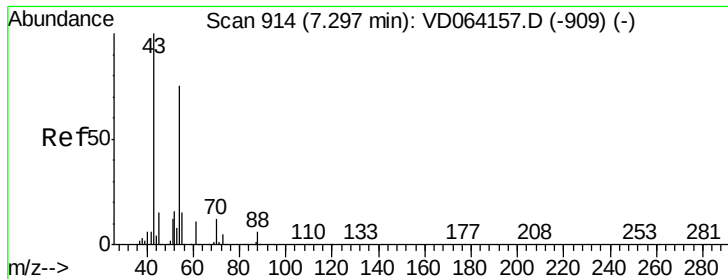
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#36
1,1-Dichloropropene
Concen: 19.247 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	166670		
110	36.3		18.3	54.9
77	32.1		25.0	37.6





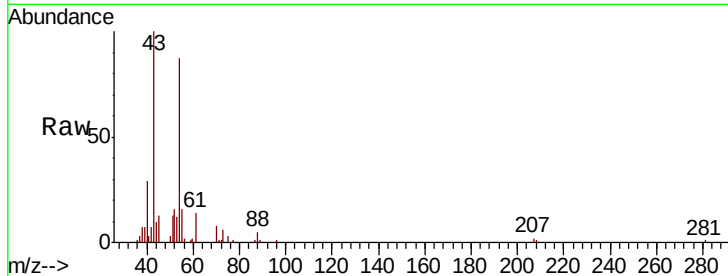
#37
Ethyl Acetate
Concen: 17.381 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	43	Resp	63454
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	11.2	8.5	12.7

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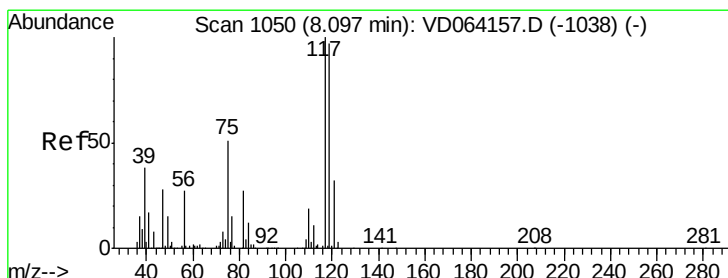
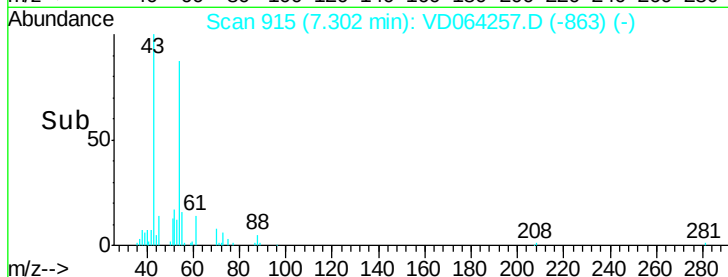
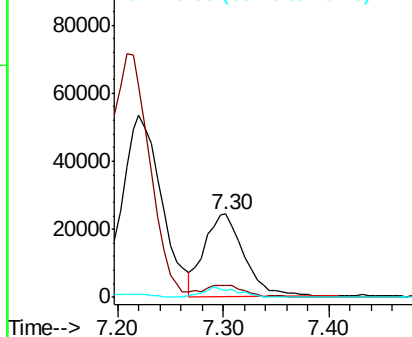


Abundance

Ion 43.00 (42.70 to 43.70): VDC

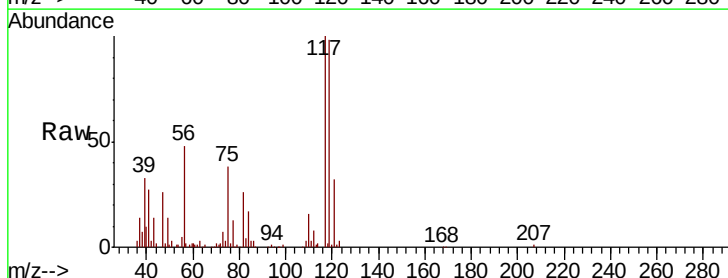
Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38
Carbon Tetrachloride
Concen: 19.365 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	117	Resp	179437
Ion	Ratio	Lower	Upper
117	100		
119	98.1	77.2	115.8
121	32.3	25.5	38.3

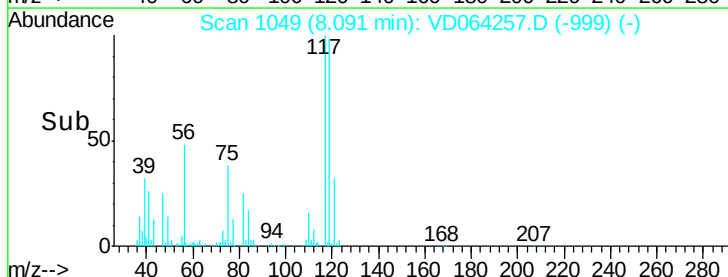
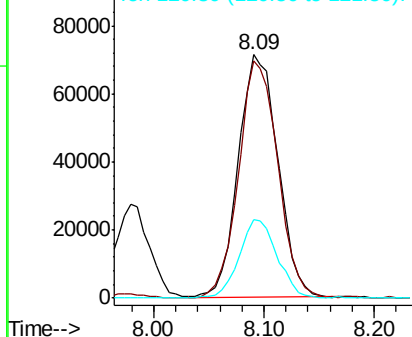


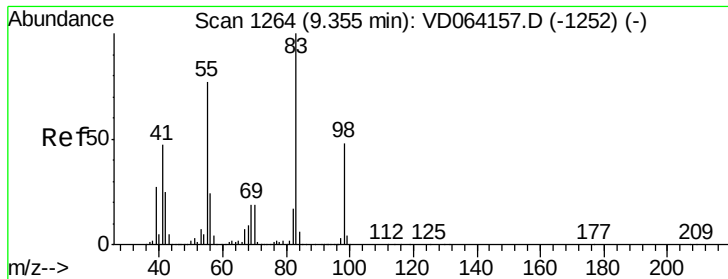
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





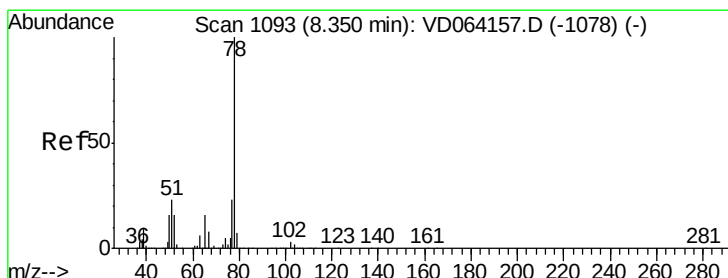
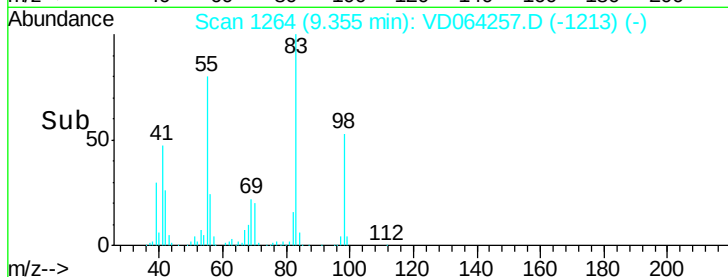
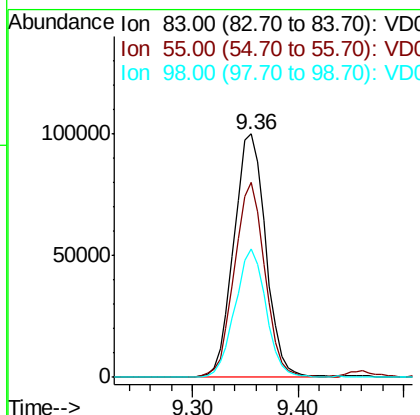
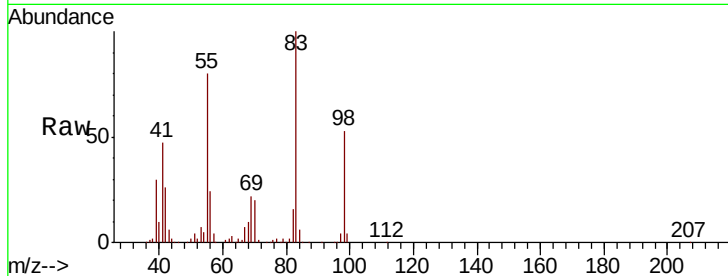
#39
Methylvlcyclohexane
Concen: 19.149 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.0	61.7	92.5
98	52.6	38.6	58.0

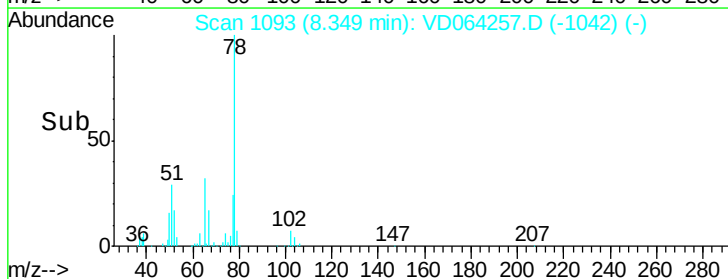
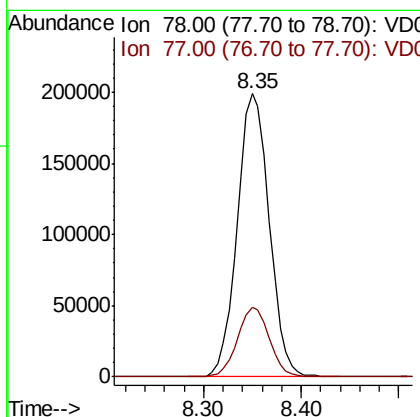
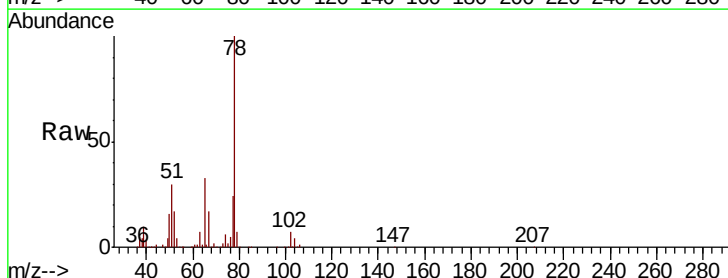
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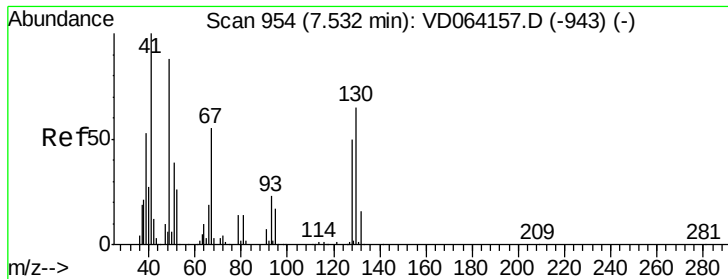
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#40
Benzene
Concen: 19.111 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	18.6	28.0





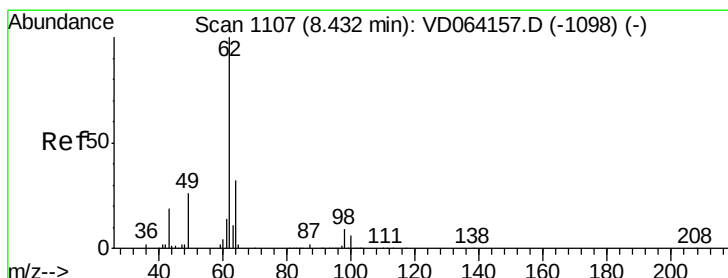
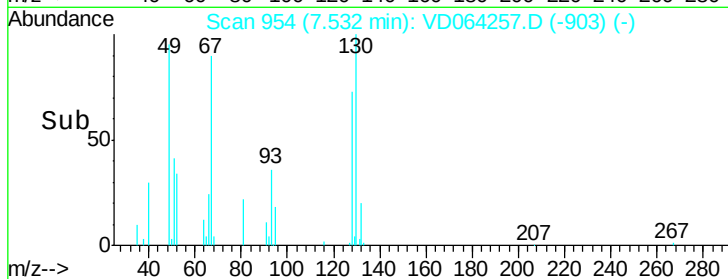
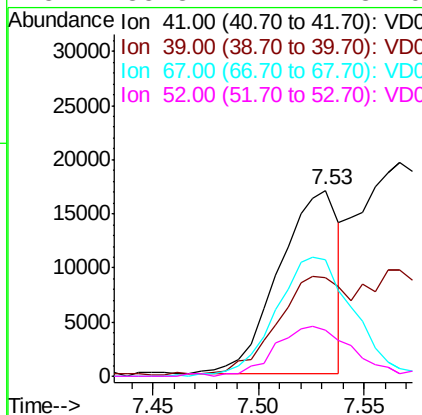
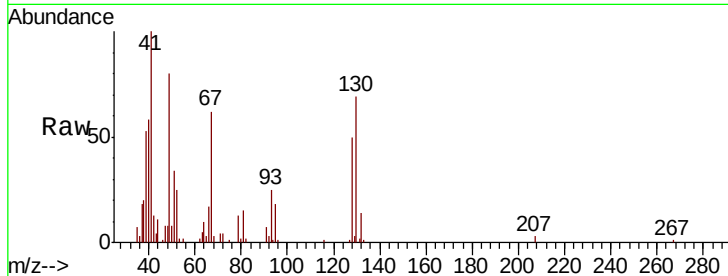
#41
Methacrylonitrile
Concen: 14.491 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	62.5	49.4	74.2	
67	84.5	49.6	74.4#	
52	35.3	21.4	32.0#	

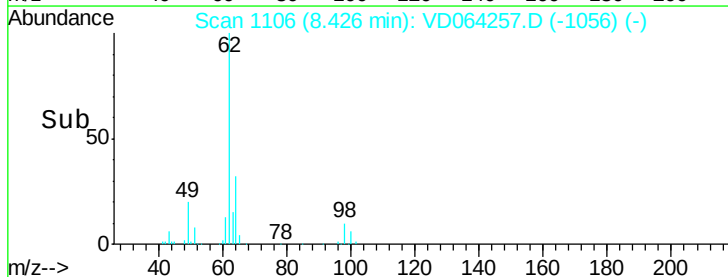
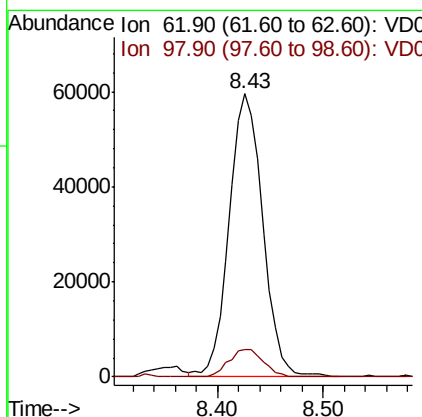
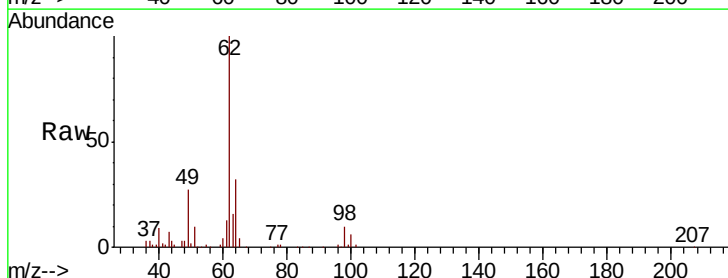
Manual Integrations
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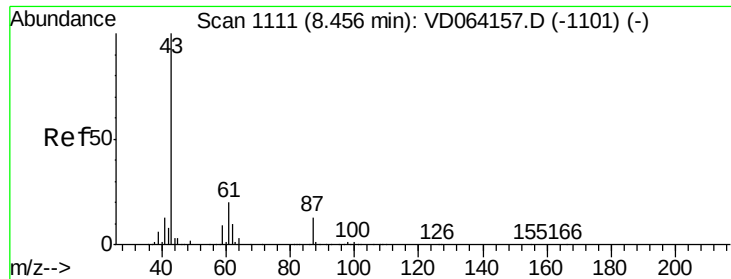
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#42
1,2-Dichloroethane
Concen: 18.293 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.2	0.0	19.0	





#43

Isopropyl Acetate

Concen: 17.176 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

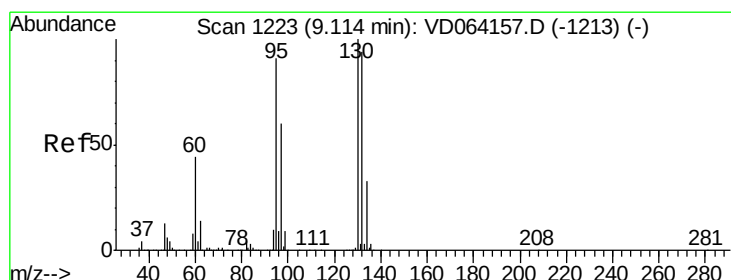
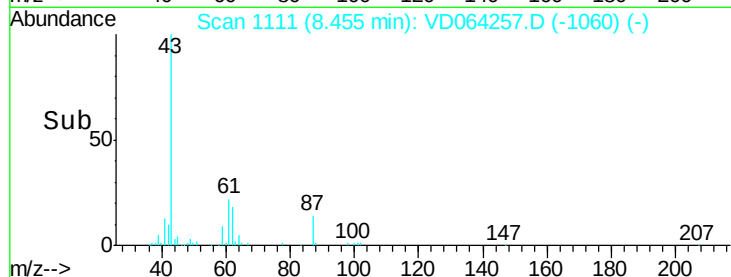
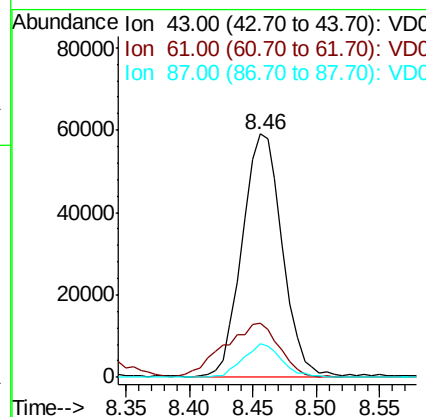
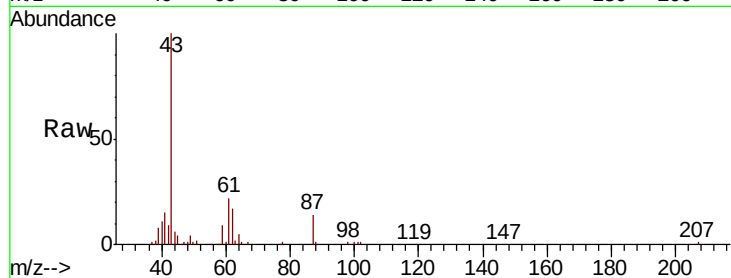
ClientSampleId :

VD1118SBS01

Tot Ion:	43	Resp:	129193
Ion	Ratio	Lower	Upper
43	100		
61	31.1	22.9	34.3
87	13.2	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.382 ug/l

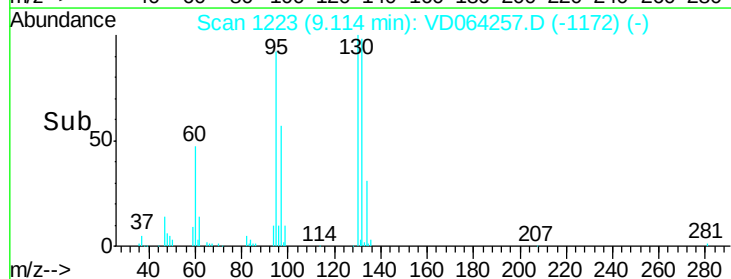
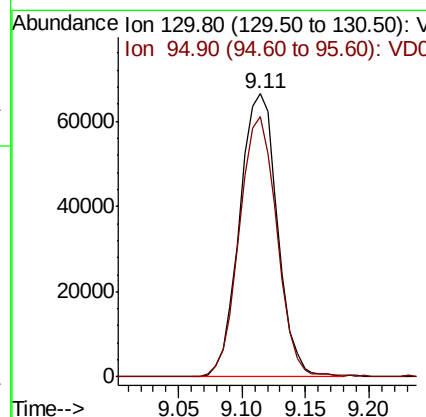
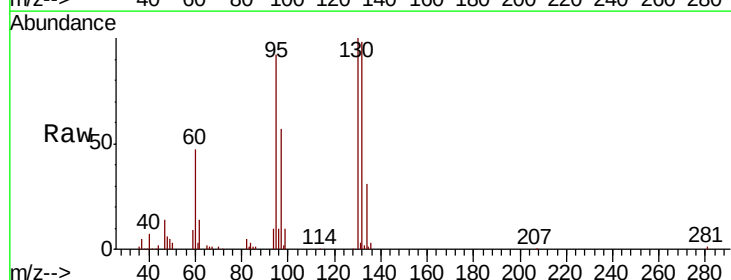
RT: 9.11 min Scan# 1223

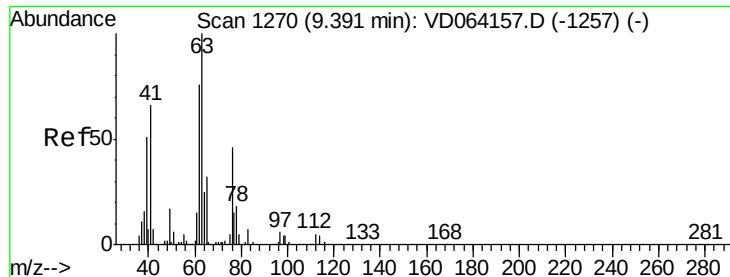
Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	130	Resp:	137671
Ion	Ratio	Lower	Upper
130	100		
95	92.1	0.0	181.6





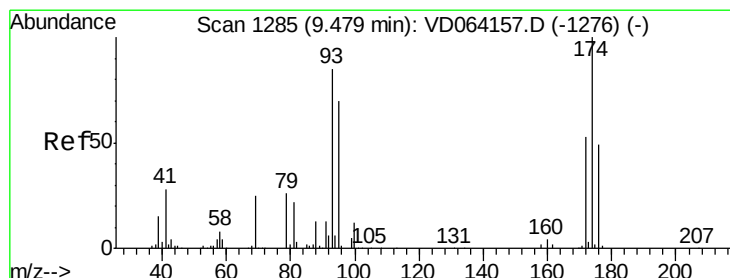
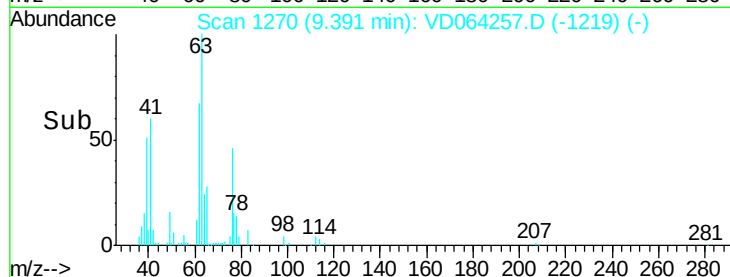
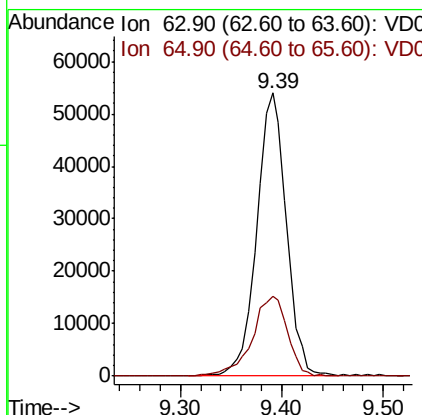
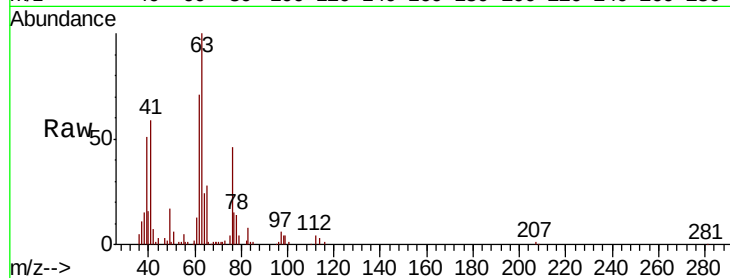
#45
 1,2-Dichloropropane
 Concen: 18.947 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	63	Resp	109146
Ion Ratio	63	100	
Lower	25.7		
Upper	38.5		

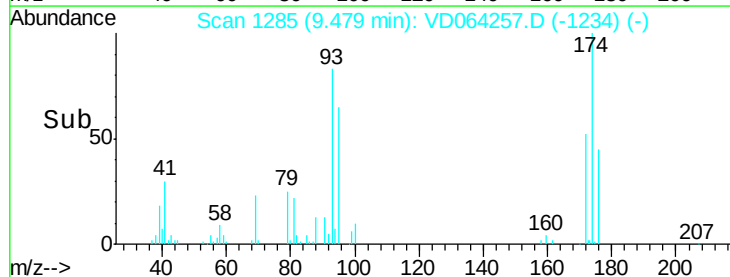
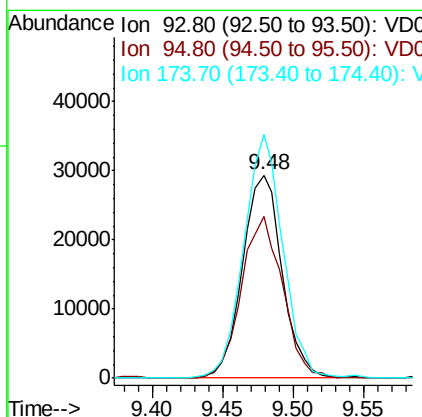
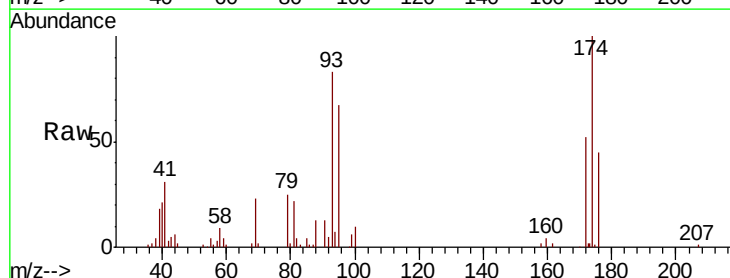
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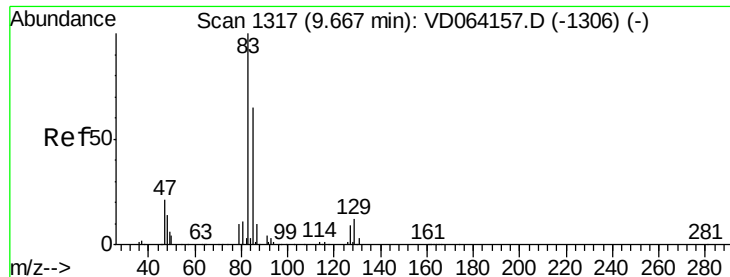
MMDadoda
 11/20/2019 1:11:45 PM



#46
 Dibromomethane
 Concen: 18.761 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	93	Resp	57858
Ion Ratio	93	100	
Lower	65.5		
Upper	140.9		





#47

Bromodichloromethane

Concen: 19.312 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

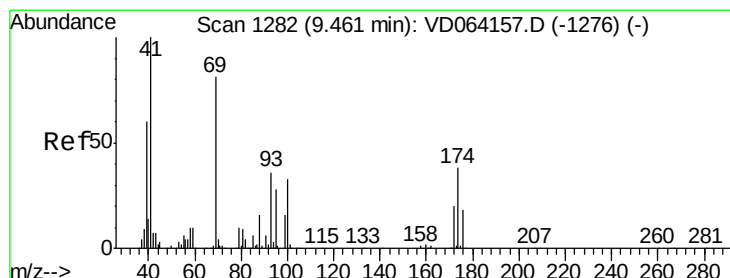
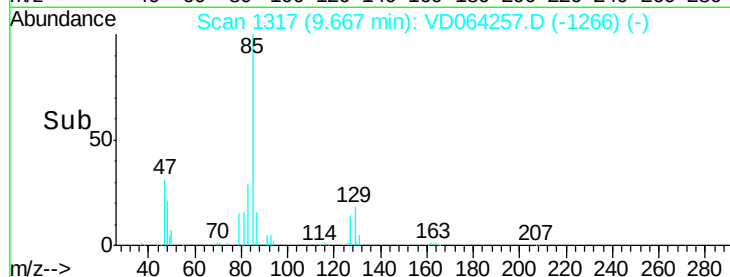
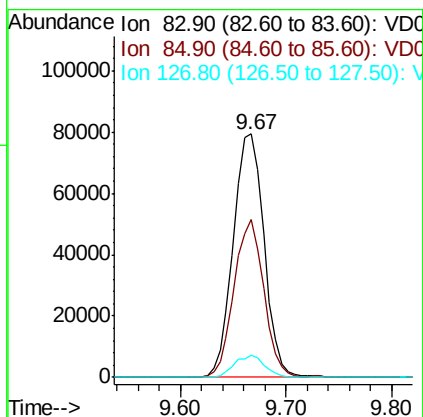
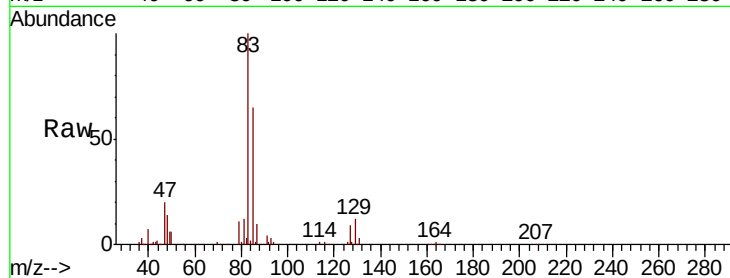
ClientSampleId :

VD1118SBS01

Tot Ion:	83	Resp:	160423
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.2	78.4
127	9.0	7.5	11.3

Manual Integrations
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MMDadoda
11/20/2019 1:11:45 PM



#48

Methyl methacrylate

Concen: 17.706 ug/l

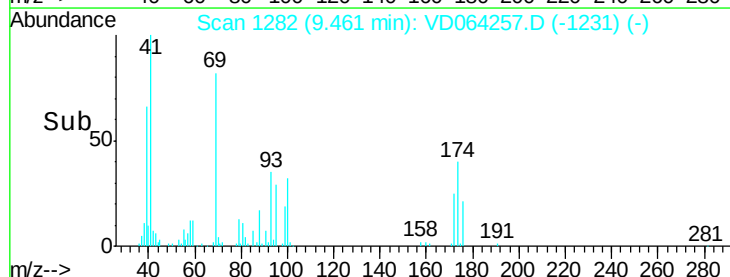
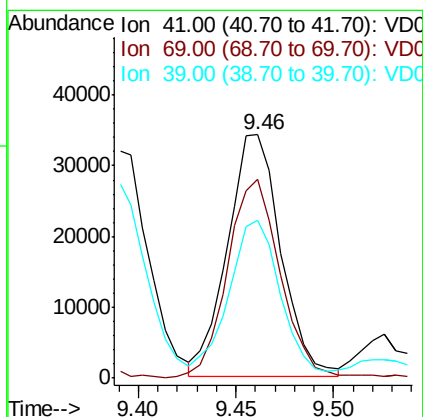
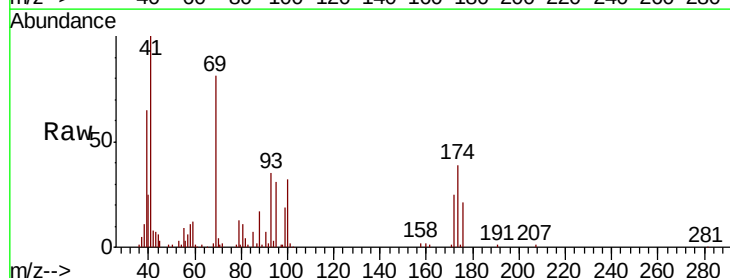
RT: 9.46 min Scan# 1282

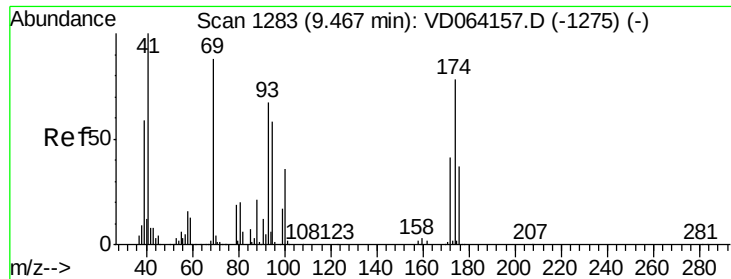
Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	41	Resp:	65122
Ion	Ratio	Lower	Upper
41	100		
69	81.9	64.6	97.0
39	57.1	48.2	72.2





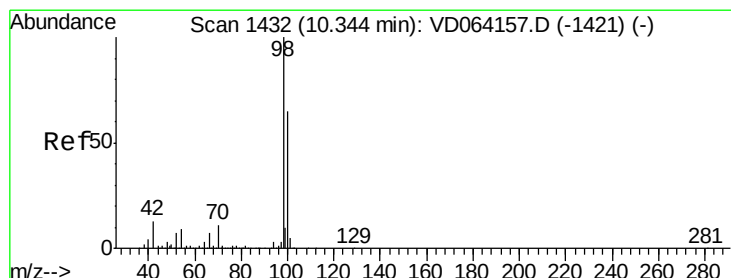
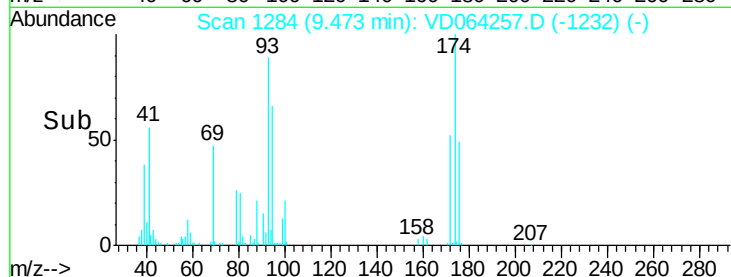
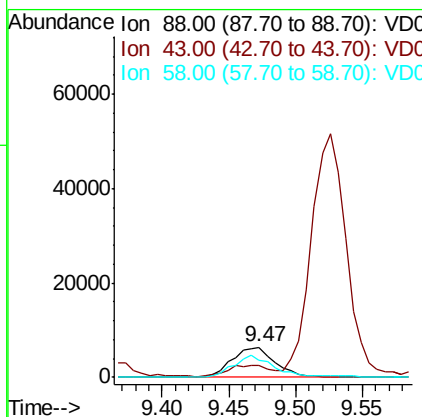
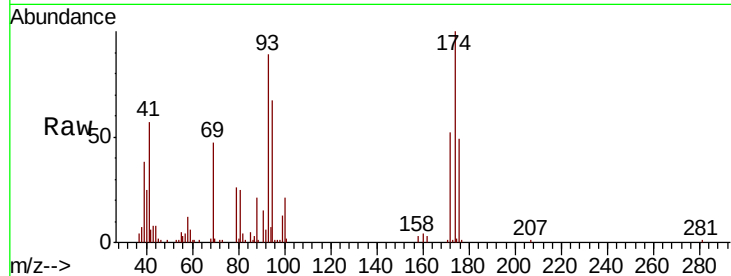
#49
1,4-Dioxane
Concen: 385.179 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.8	29.8	44.8
58	65.3	58.1	87.1

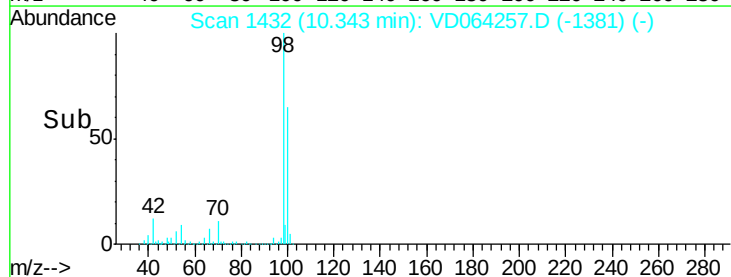
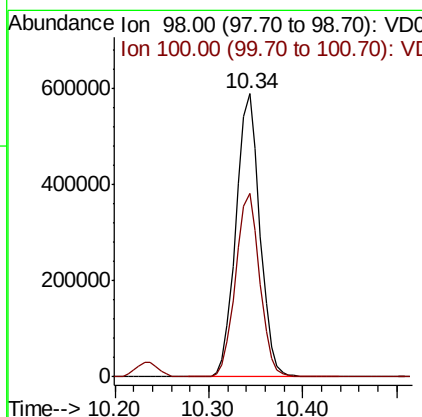
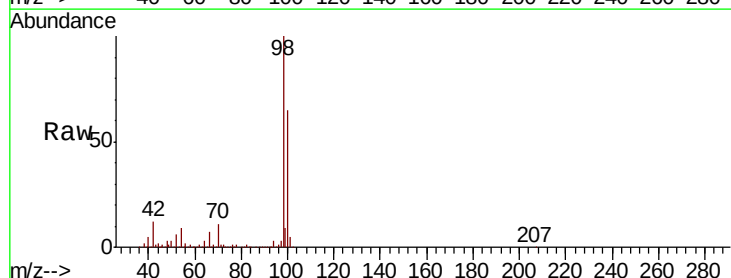
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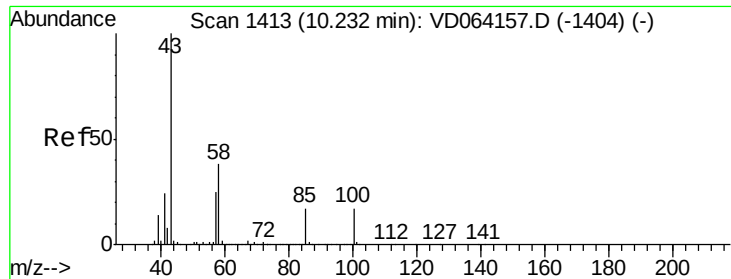
MMDadoda
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#50
Toluene-d8
Concen: 51.326 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.6	78.8





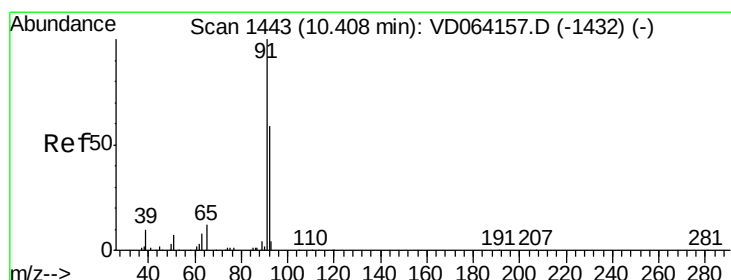
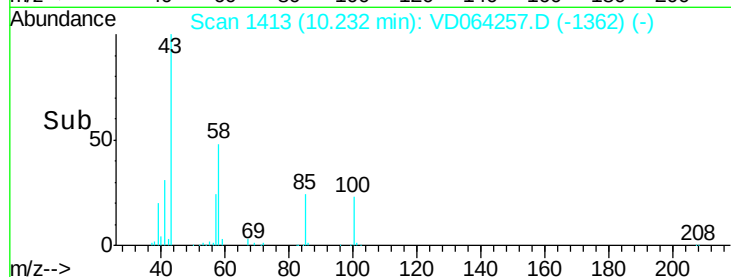
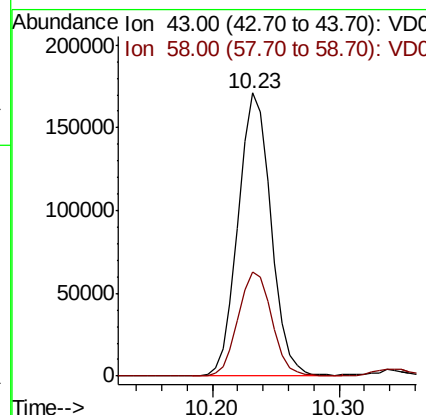
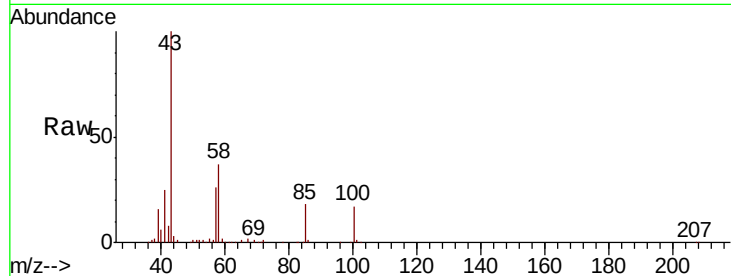
#51
4-Methyl-2-Pentanone
Concen: 85.395 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 43 Resp: 308025
Ion Ratio Lower Upper
43 100
58 37.7 30.2 45.4

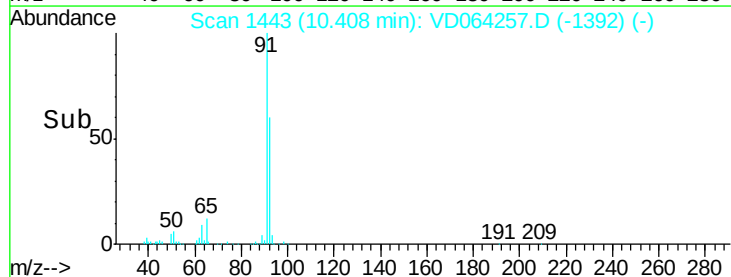
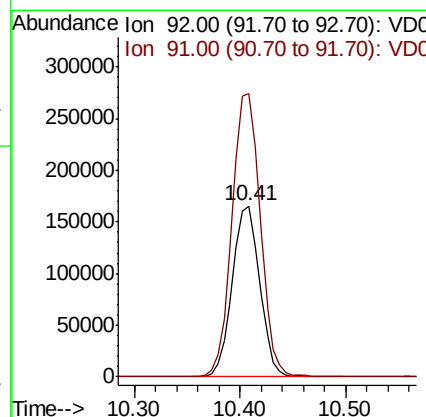
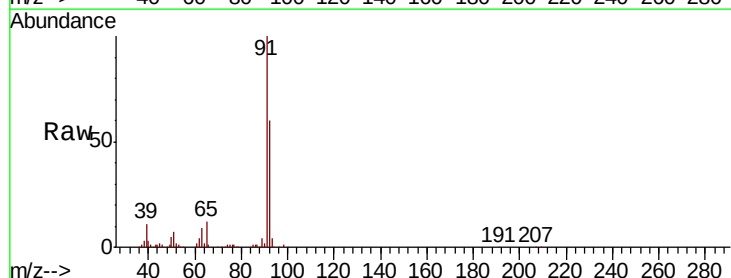
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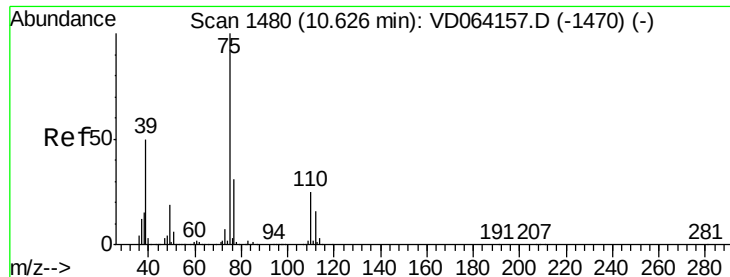
MMDadoda
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#52
Toluene
Concen: 19.071 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 92 Resp: 296797
Ion Ratio Lower Upper
92 100
91 170.9 136.4 204.6





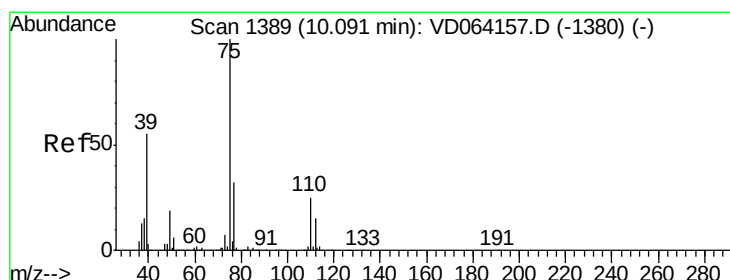
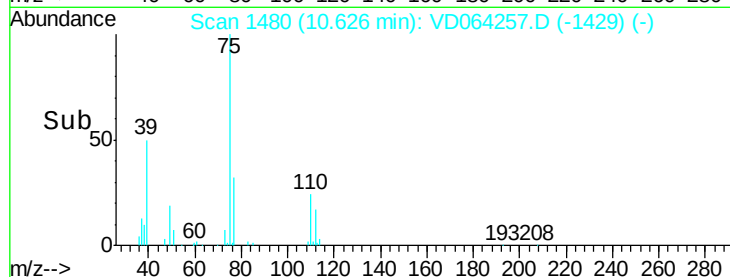
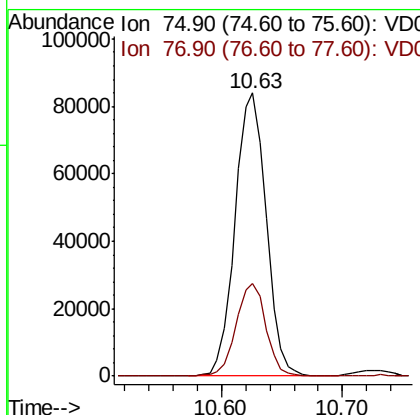
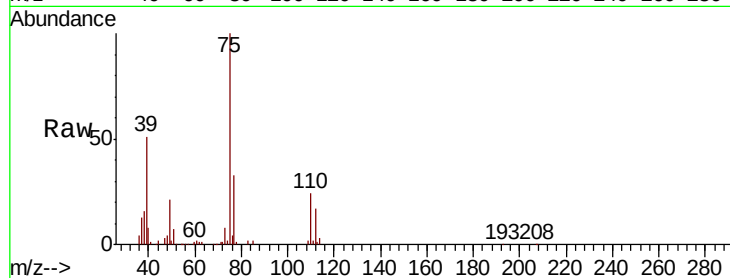
#53
t-1,3-Dichloropropene
Concen: 18.194 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 75 Resp: 151413
Ion Ratio Lower Upper
75 100
77 32.9 24.7 37.1

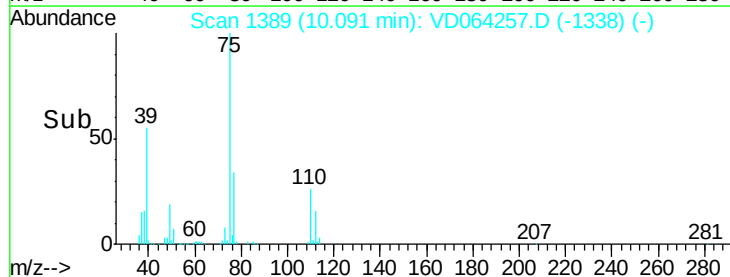
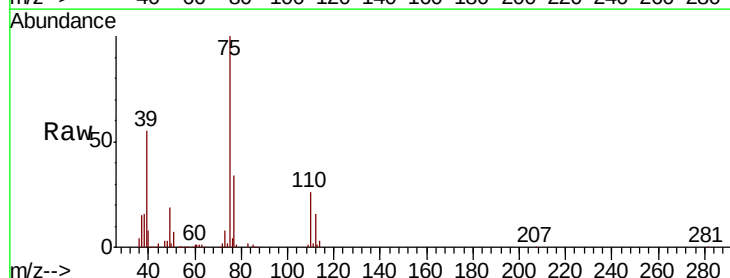
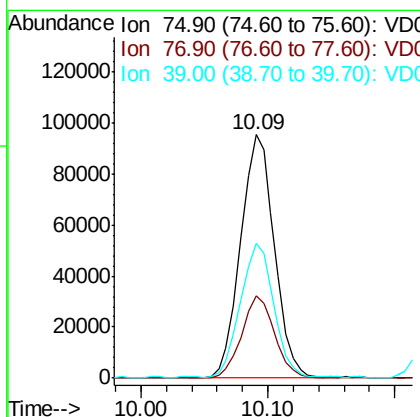
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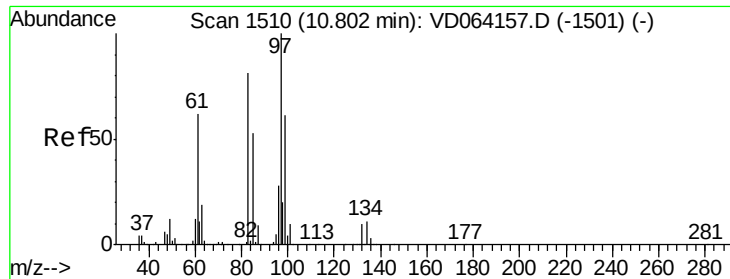
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 18.138 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 75 Resp: 176139
Ion Ratio Lower Upper
75 100
77 33.7 25.2 37.8
39 55.0 44.2 66.2





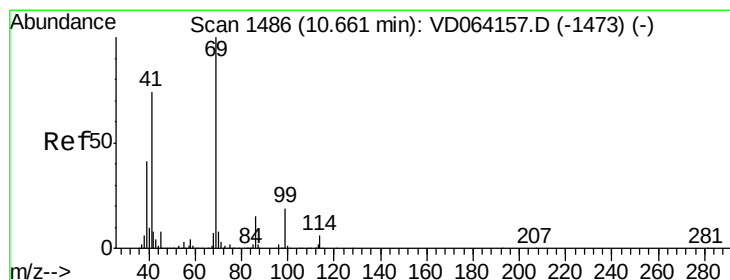
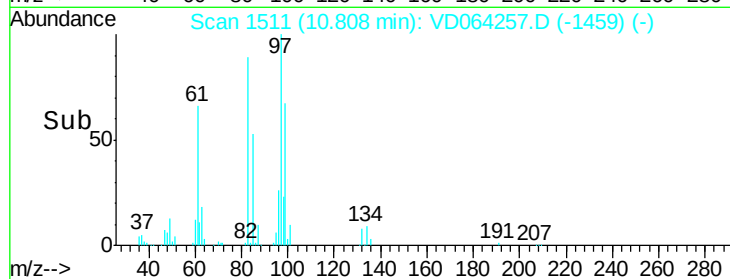
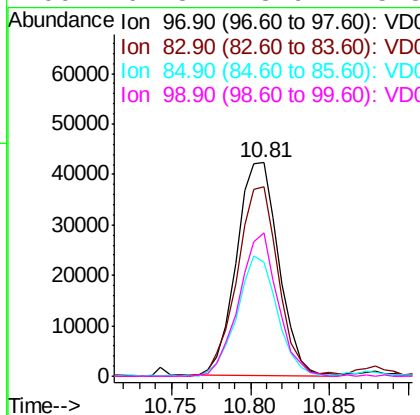
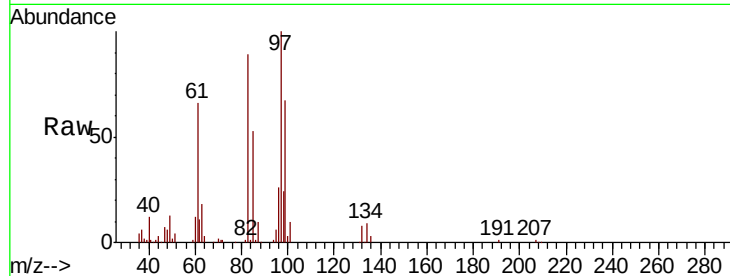
#55
 1,1,2-Trichloroethane
 Concen: 18.667 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion:	97	Resp:	78092
Ion	Ratio	Lower	Upper
97	100		
83	89.5	65.1	97.7
85	53.0	42.0	63.0
99	67.3	48.9	73.3

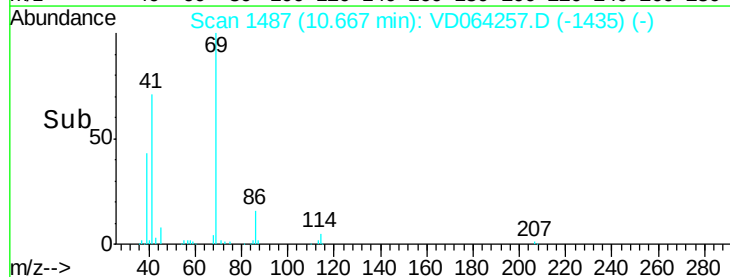
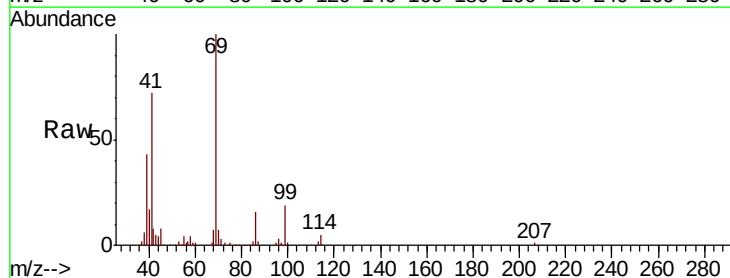
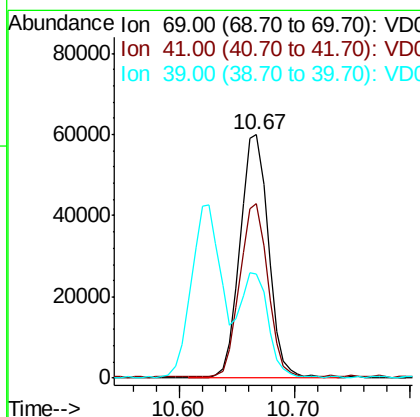
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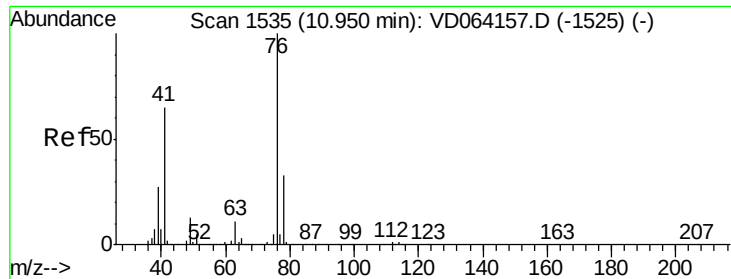
MMDadoda
 11/20/2019 1:11:45 PM



#56
 Ethyl methacrylate
 Concen: 17.685 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion:	69	Resp:	103494
Ion	Ratio	Lower	Upper
69	100		
41	69.4	57.9	86.9
39	38.2	29.0	43.4





#57

1,3-Dichloropropane

Concen: 18.719 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 76 Resp: 136576

Ion Ratio Lower Upper

76 100

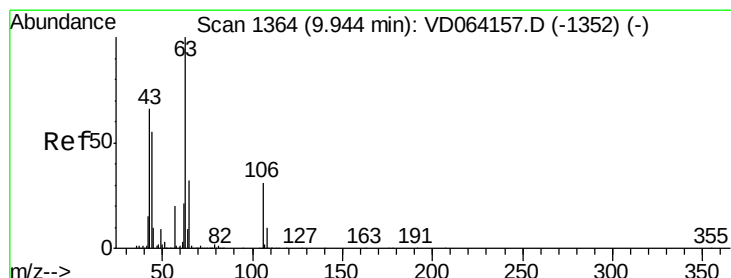
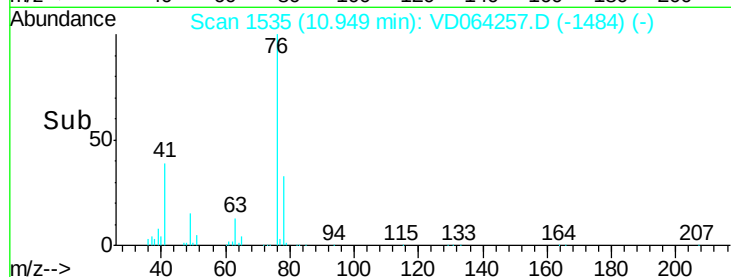
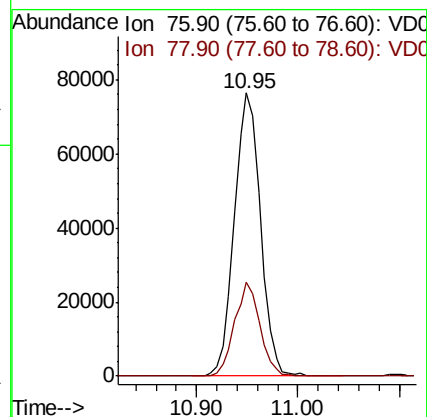
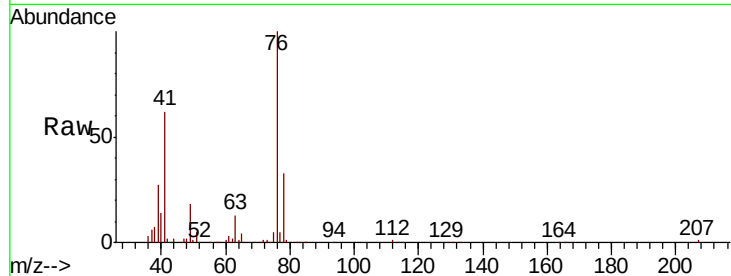
78 32.0 26.2 39.4

Manual Integrations

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MMDadoda

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#58

2-Chloroethyl Vinyl ether

Concen: 88.269 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD064257.D

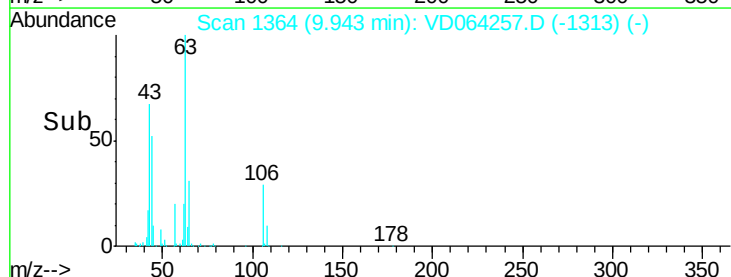
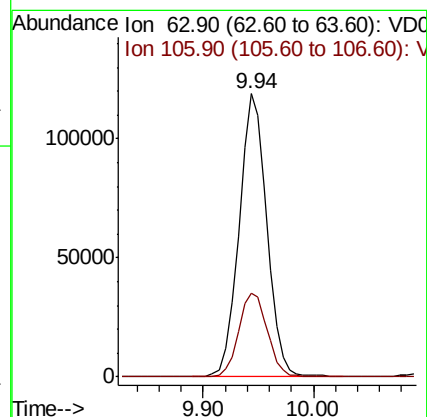
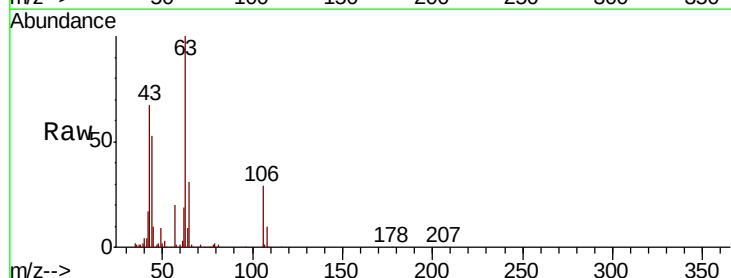
Acq: 18 Nov 2019 11:42

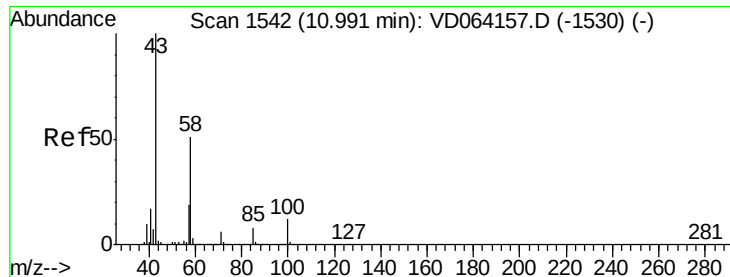
Tgt Ion: 63 Resp: 209248

Ion Ratio Lower Upper

63 100

106 30.5 24.1 36.1





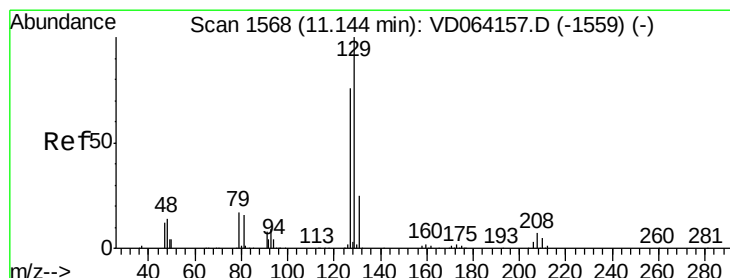
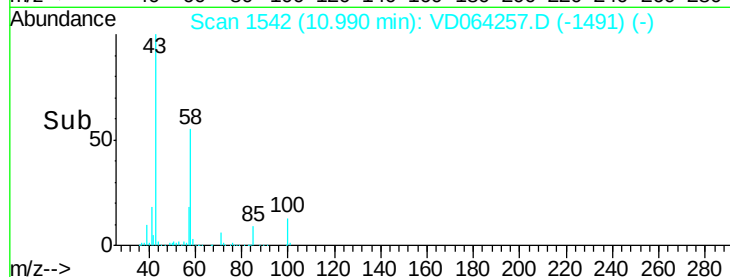
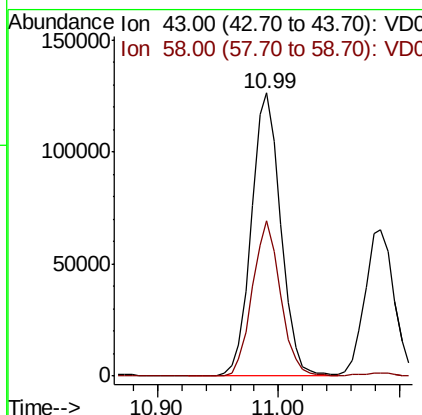
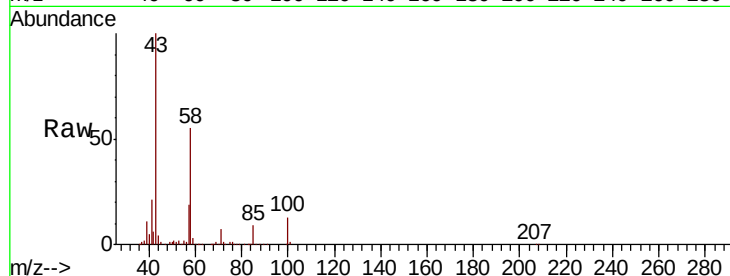
#59
2-Hexanone
Concen: 83.121 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	52.8	25.9	77.7

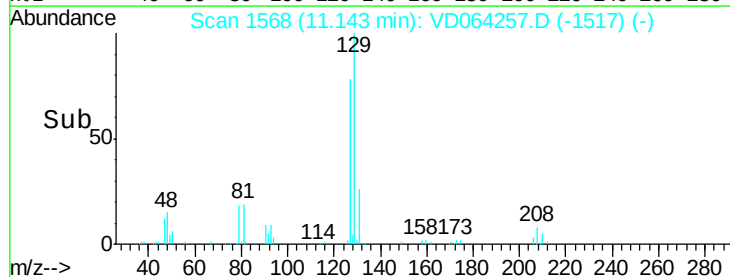
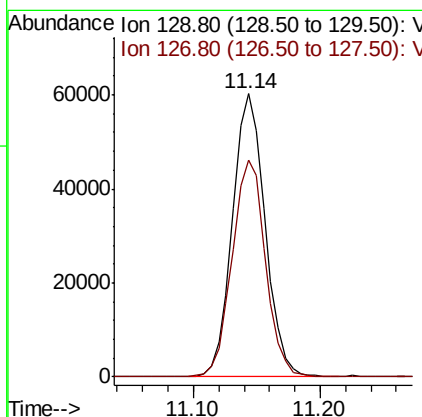
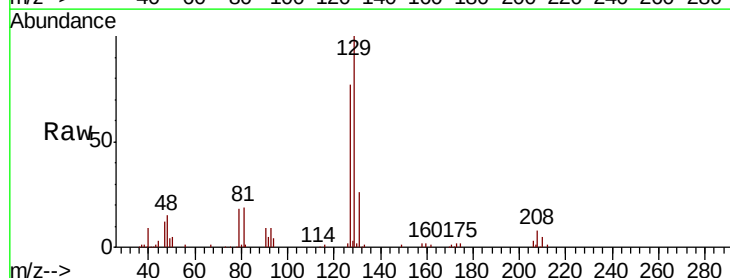
Manual Integrations
APPROVED

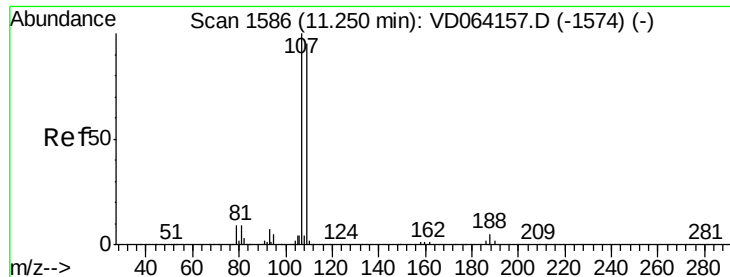
MMDadoda
11/20/2019 1:11:45 PM



#60
Dibromochloromethane
Concen: 18.339 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.6	115.8





#61

1,2-Dibromoethane

Concen: 18.271 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:107 Resp: 76559

Ion Ratio Lower Upper

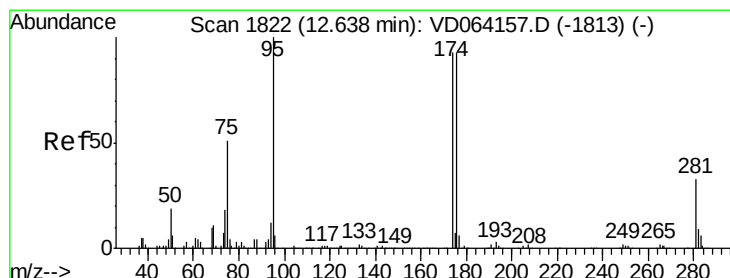
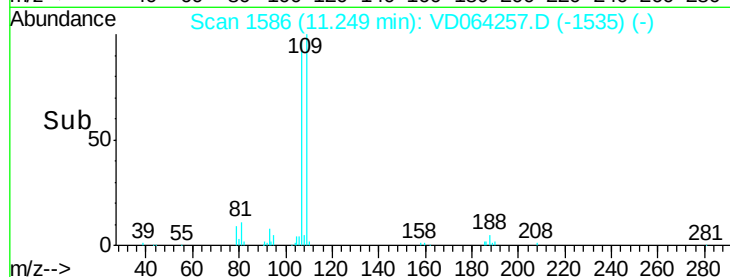
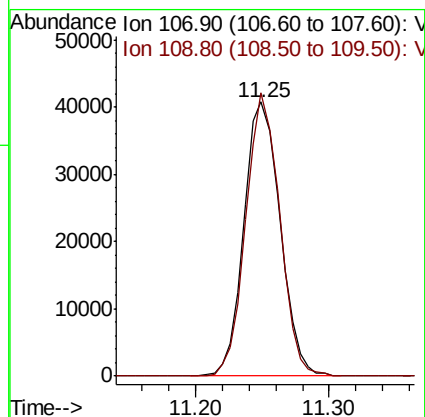
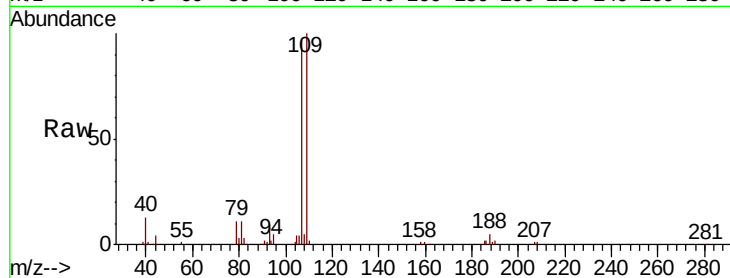
107 100

109 96.4 75.1 112.7

Manual Integrations
APPROVED

MMDadoda

11/20/2019 1:11:45 PM



#62

4-Bromofluorobenzene

Concen: 48.234 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

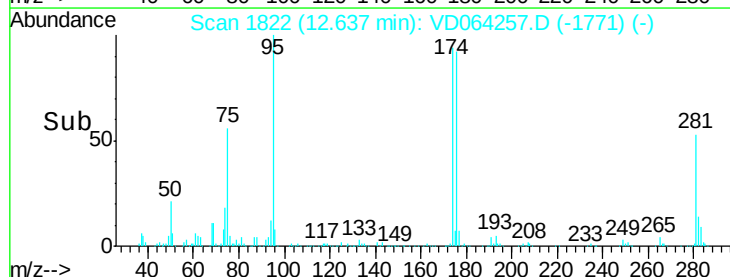
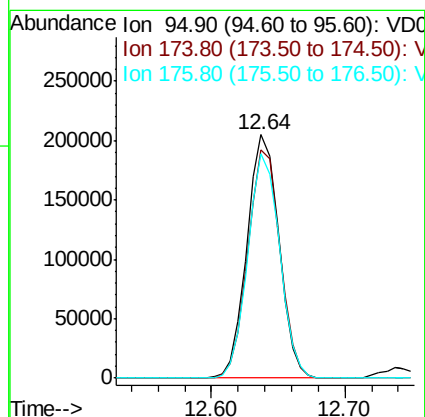
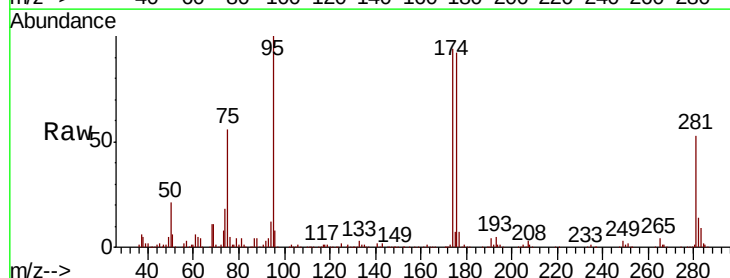
Tgt Ion: 95 Resp: 339384

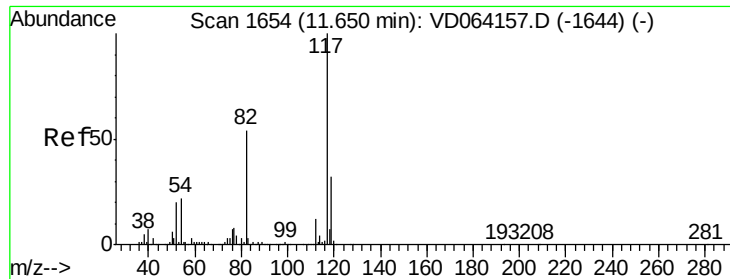
Ion Ratio Lower Upper

95 100

174 94.1 0.0 183.6

176 91.7 0.0 180.2





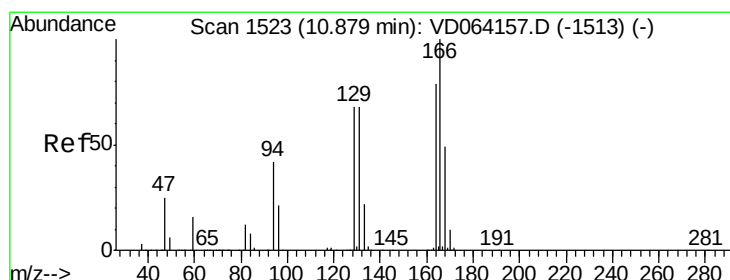
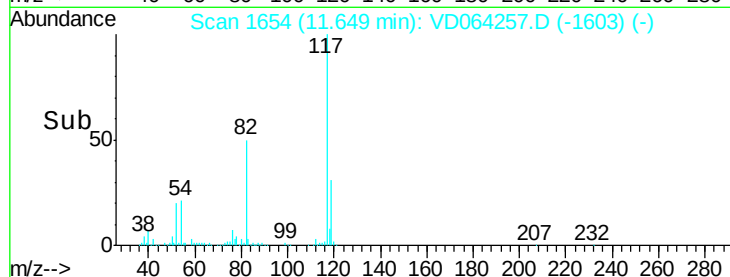
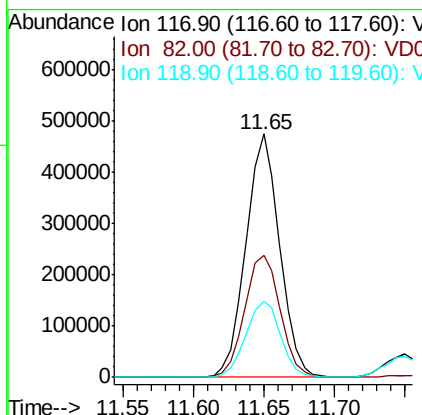
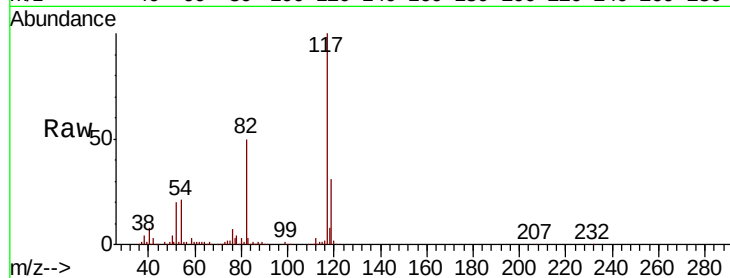
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	42.8	64.2
119	31.1	25.6	38.4

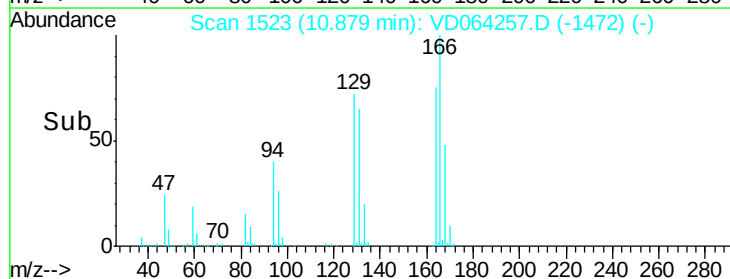
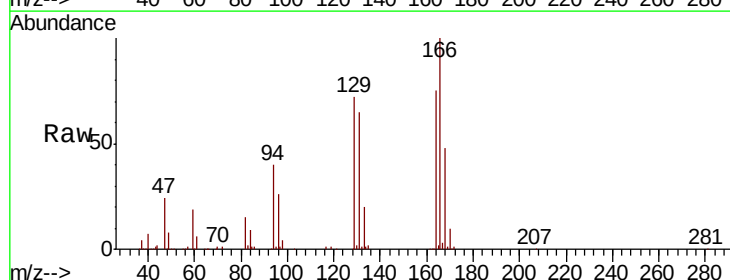
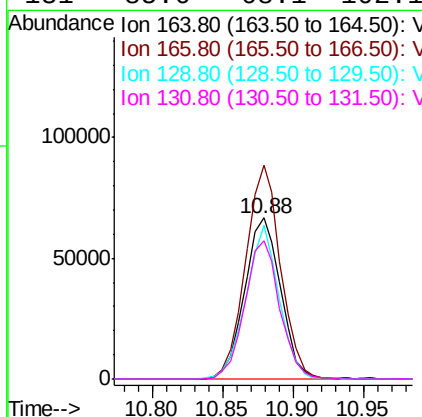
Manual Integrations
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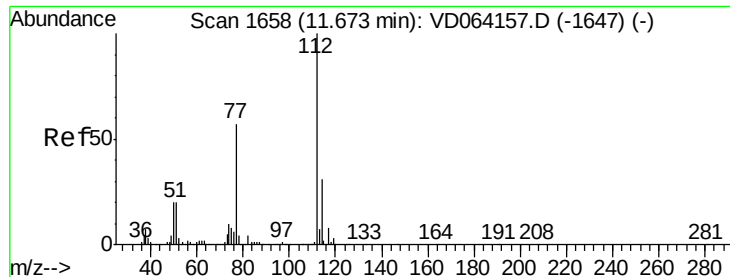
MMDadoda
11/20/2019 1:11:45 PM



#64
Tetrachloroethene
Concen: 19.460 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.5	100.8	151.2
129	94.9	68.7	103.1
131	85.6	68.1	102.1





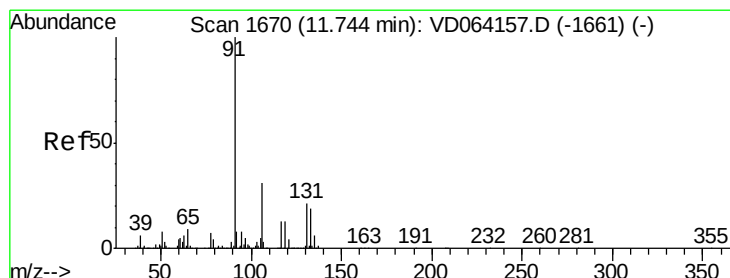
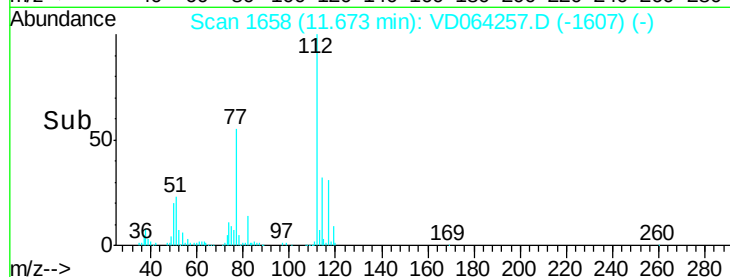
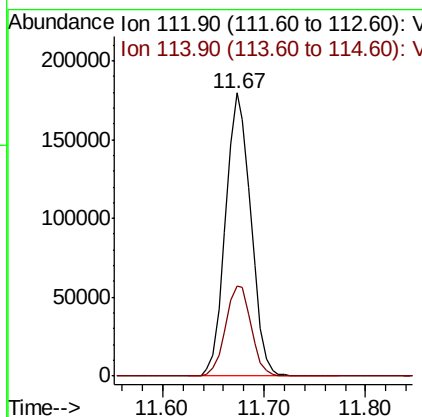
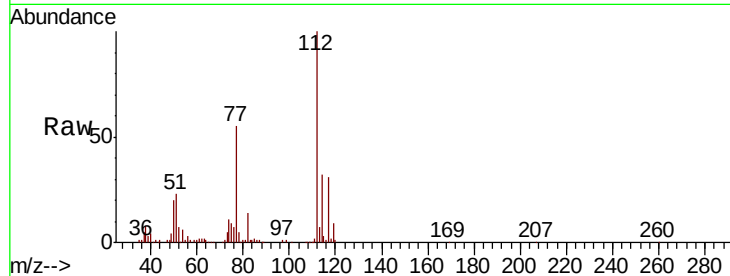
#65
Chlorobenzene
Concen: 19.173 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.2	37.8

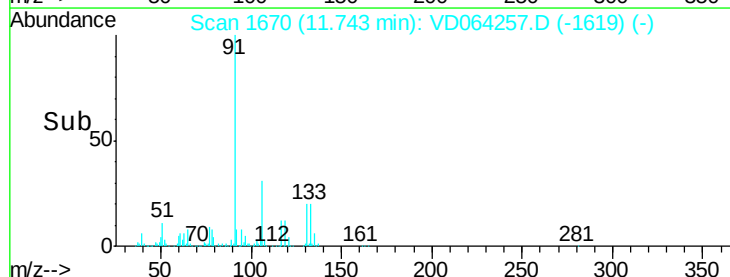
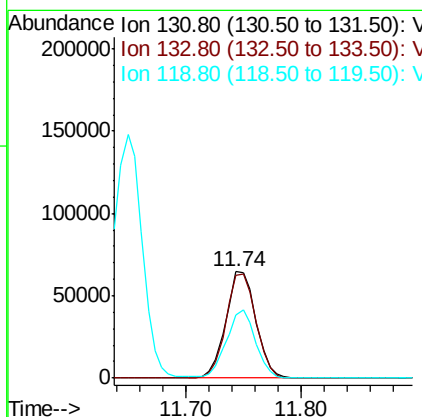
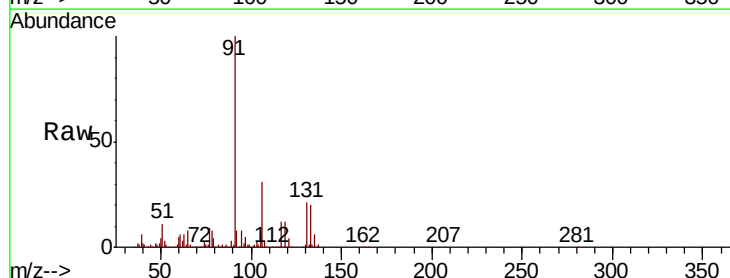
Manual Integrations
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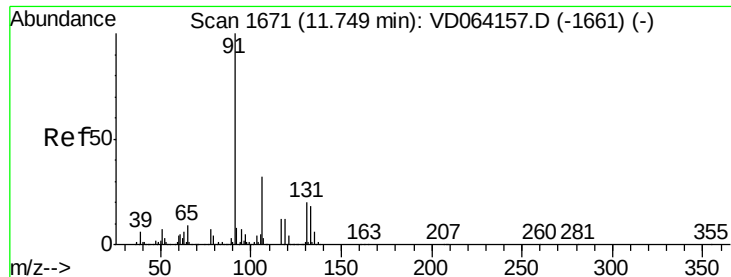
MMDadoda
11/20/2019 1:11:45 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 18.917 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	47.3	141.9
119	61.8	31.1	93.3





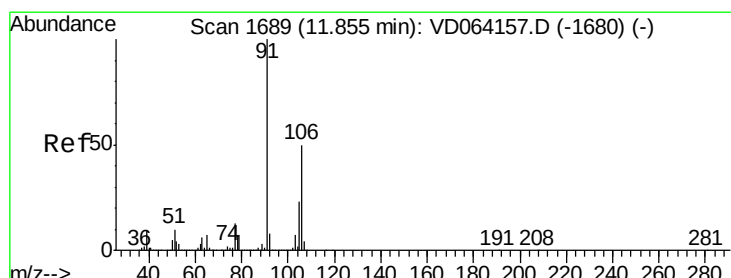
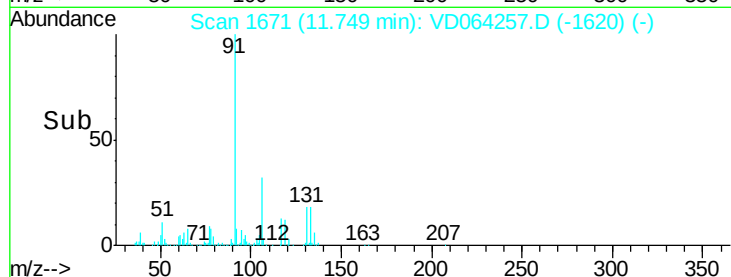
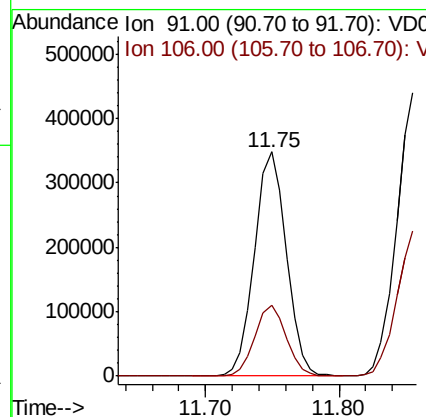
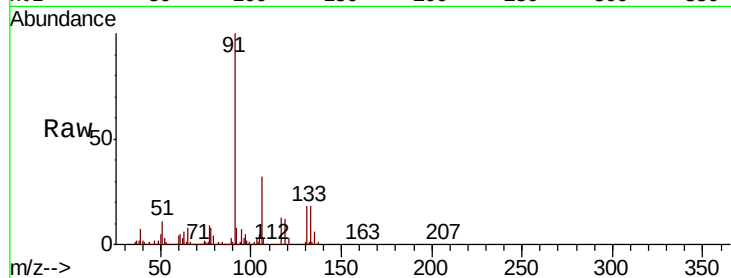
#67
Ethyl Benzene
Concen: 19.571 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	31.9	25.5	38.3

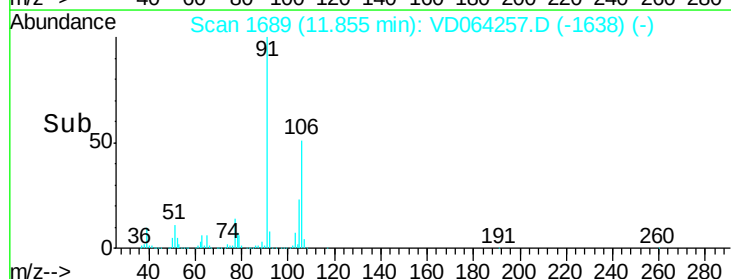
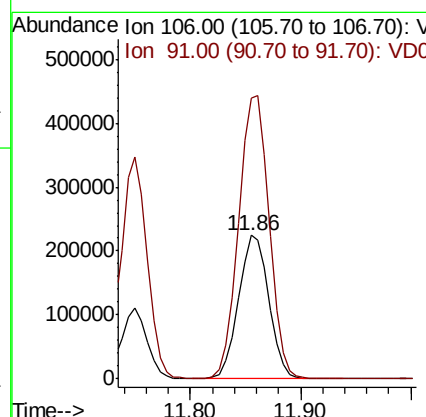
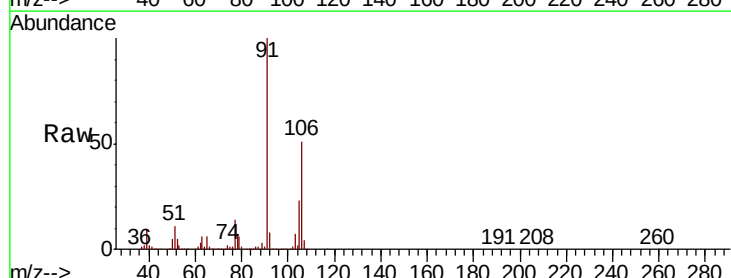
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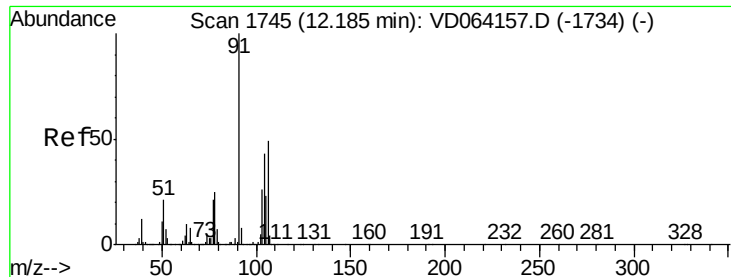
MMDadoda
11/20/2019 1:11:45 PM



#68
m/p-Xylenes
Concen: 38.516 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
106	100		
91	199.1	160.3	240.5





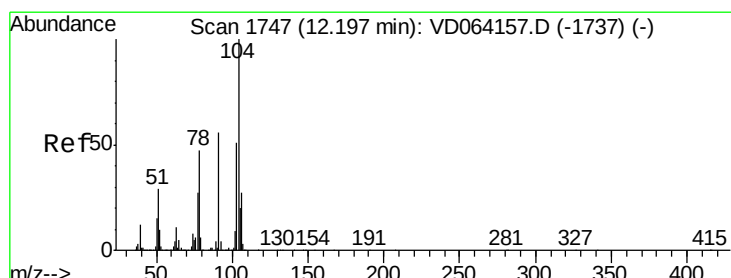
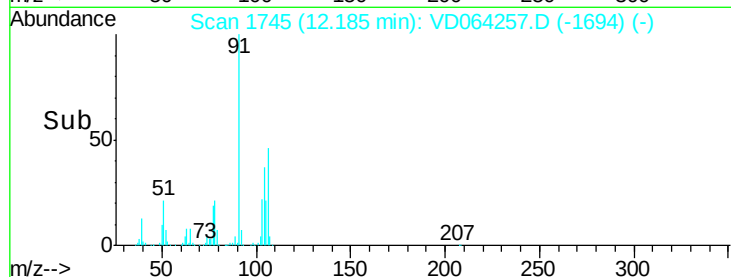
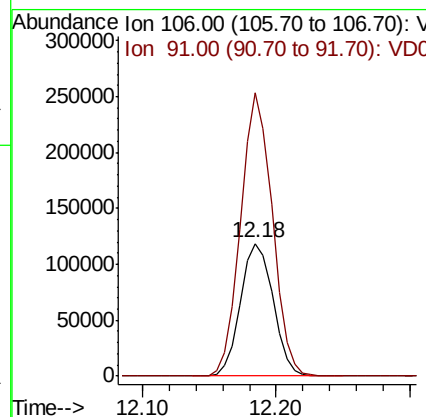
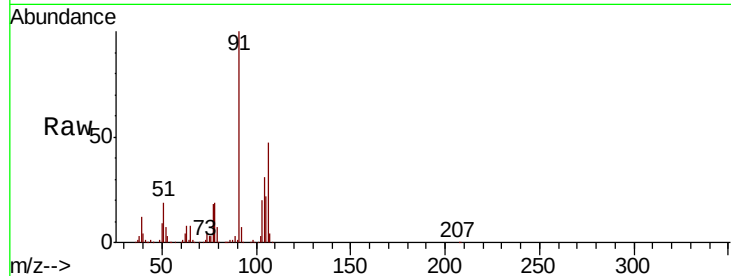
#69
o-Xylene
Concen: 19.202 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.7	105.1	315.3

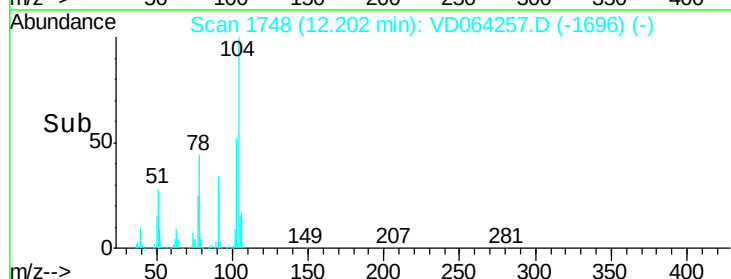
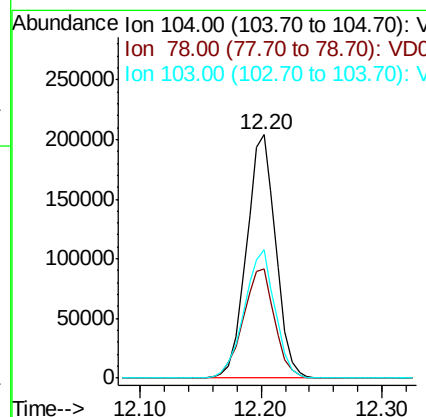
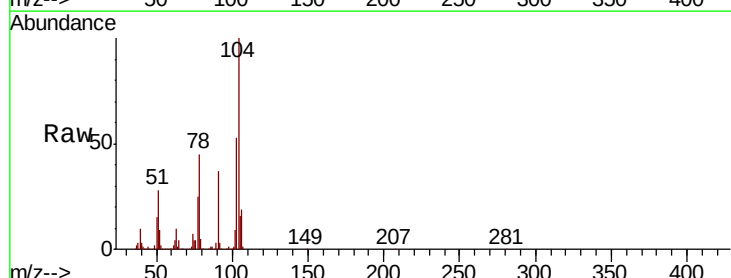
Manual Integrations
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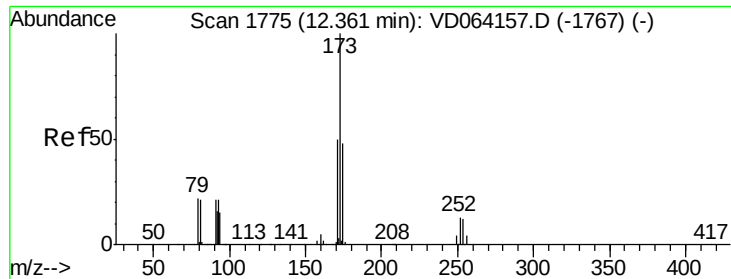
MMDadoda
11/20/2019 1:11:45 PM



#70
Styrene
Concen: 18.823 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.7	39.9	59.9
103	55.6	43.4	65.0





#71

Bromoform

Concen: 18.738 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:173 Resp: 65798

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.3

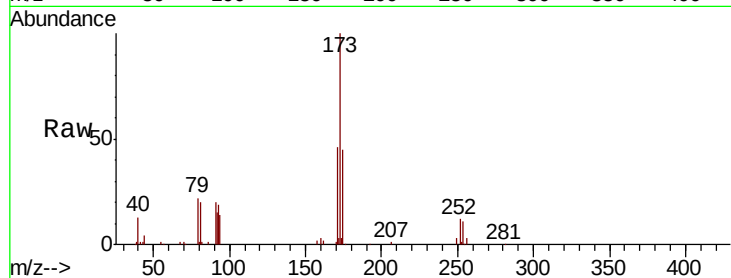
254 0.1 0.2 0.2#

Manual Integrations

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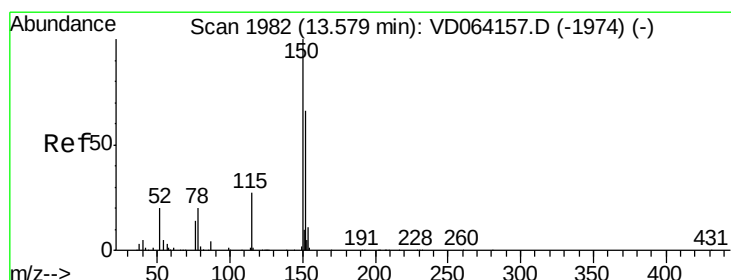
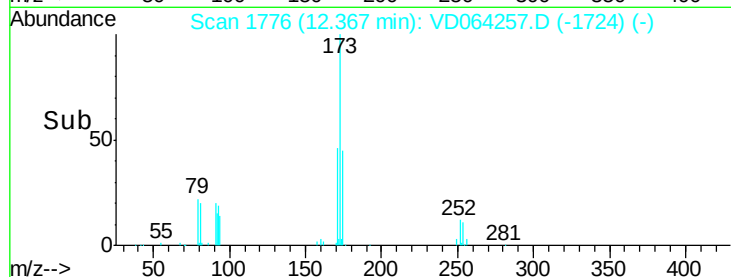
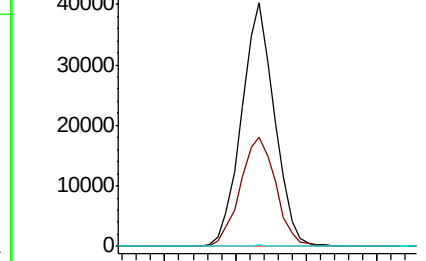
11/20/2019 1:11:45 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

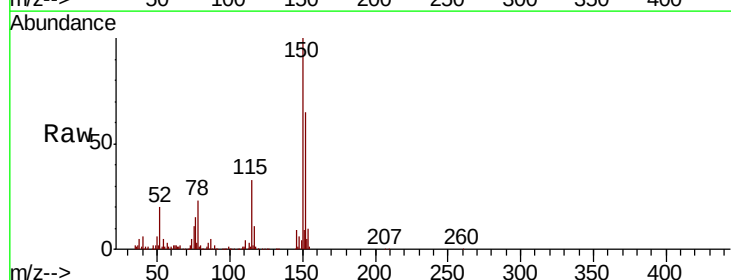
Tgt Ion:152 Resp: 385956

Ion Ratio Lower Upper

152 100

115 53.4 27.4 82.2

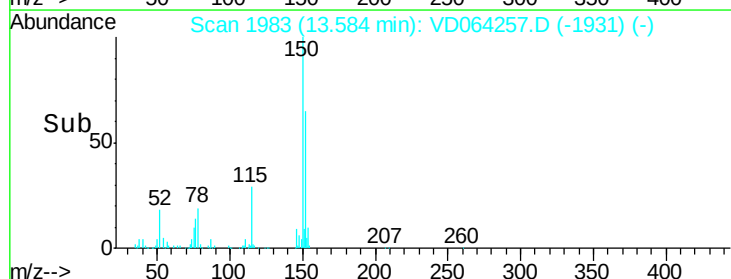
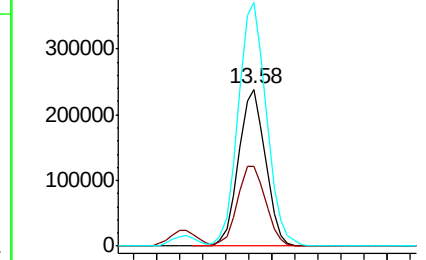
150 162.5 0.0 351.6

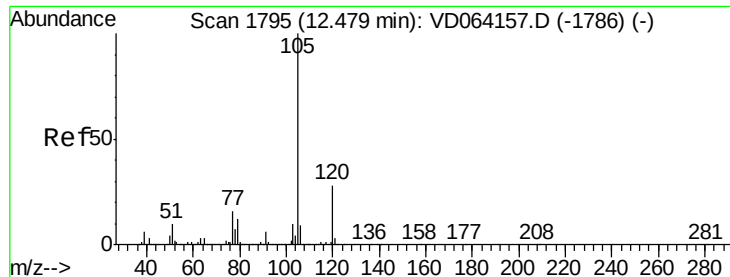


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





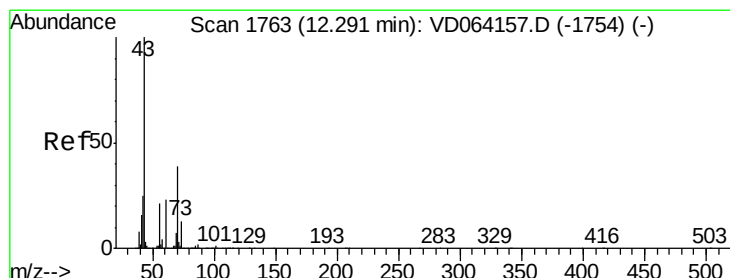
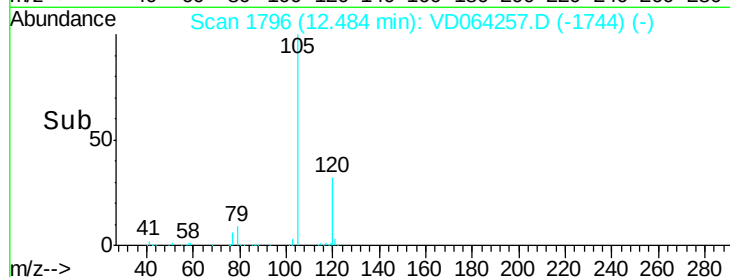
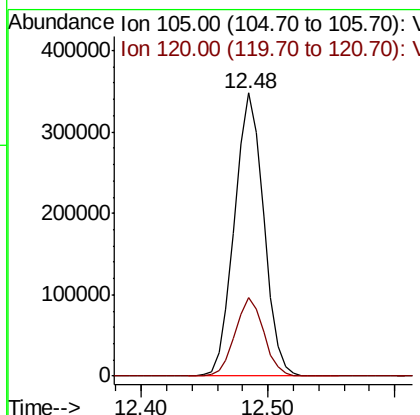
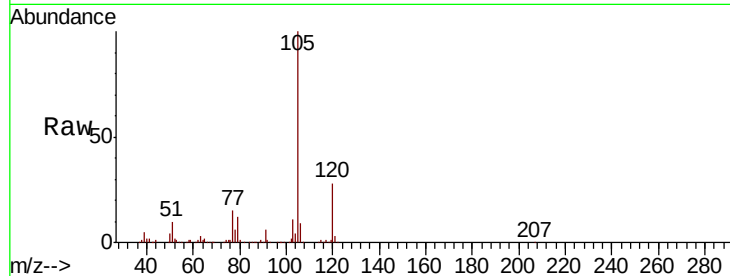
#73
Isopropylbenzene
Concen: 19.599 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.6	40.8

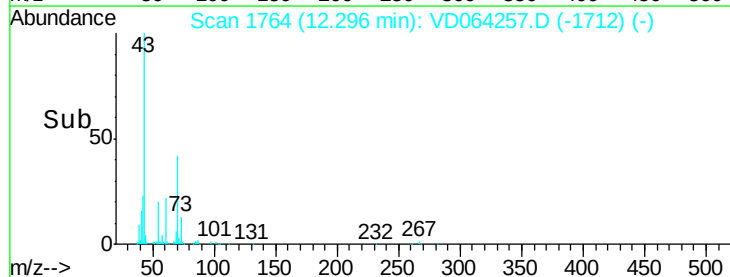
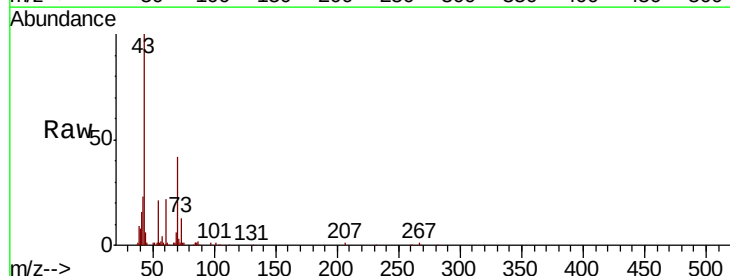
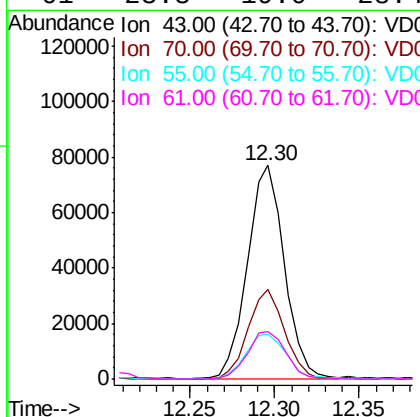
Manual Integrations
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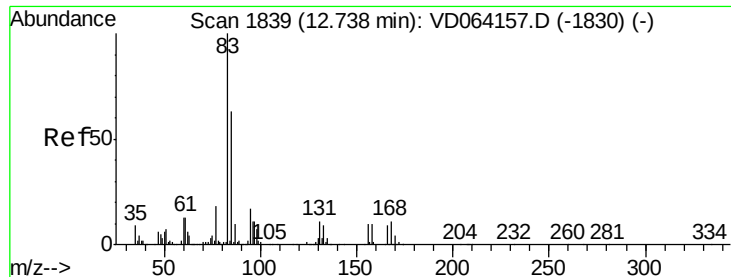
MMDadoda
11/20/2019 1:11:45 PM



#74
N-ethyl acetate
Concen: 17.391 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	42.1	32.4	48.6
55	23.6	17.9	26.9
61	23.3	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 18.947 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

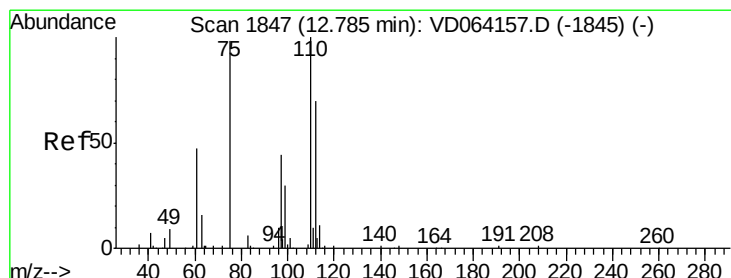
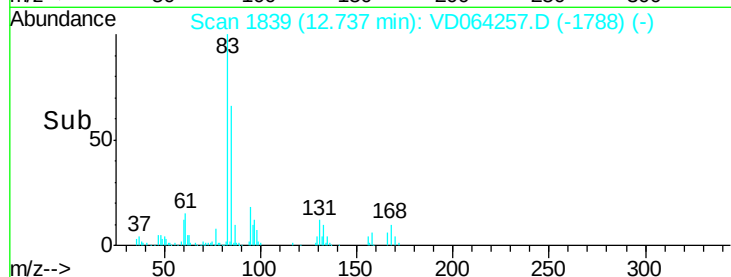
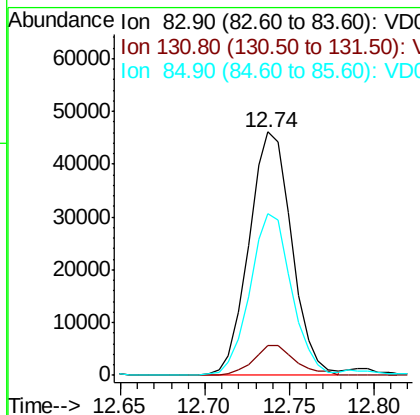
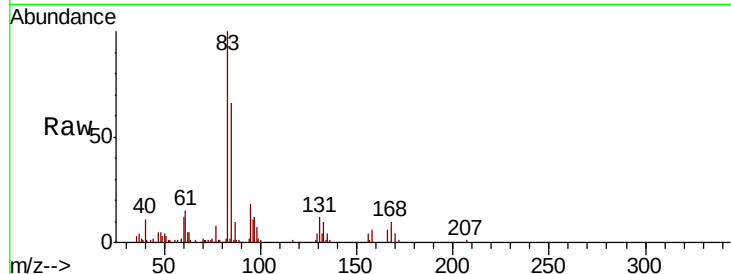
ClientSampleId :

VD1118SBS01

Tot Ion:	83	Resp:	80879
Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.9	17.7
85	64.8	32.5	97.5

Manual Integrations
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11/20/2019 1:11:45 PM



#76

1,2,3-Trichloropropane

Concen: 17.449 ug/l m

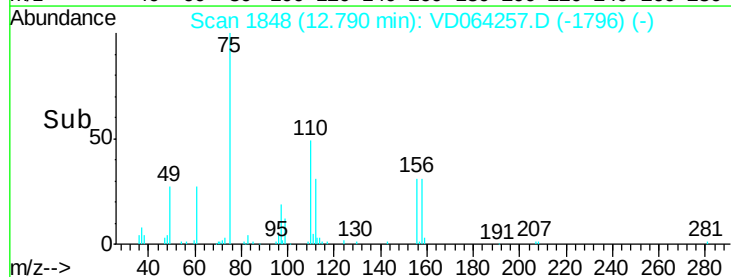
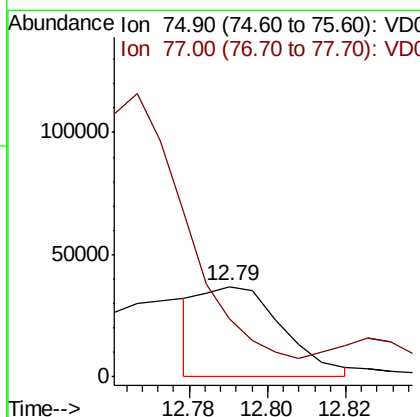
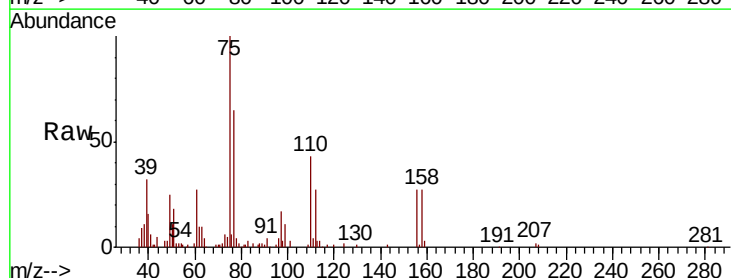
RT: 12.79 min Scan# 1848

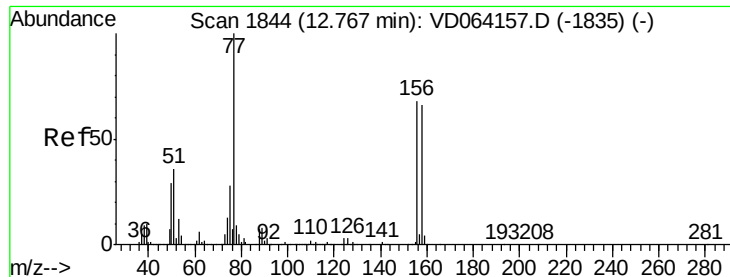
Delta R.T. 0.01 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	75	Resp:	54245
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 19.394 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

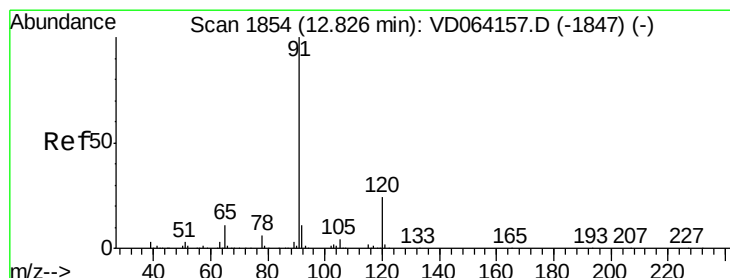
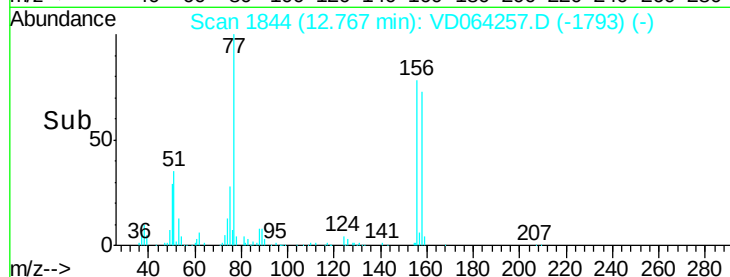
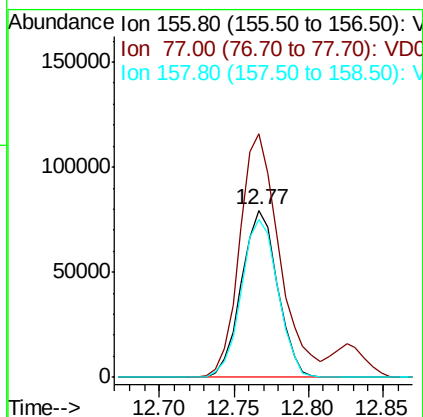
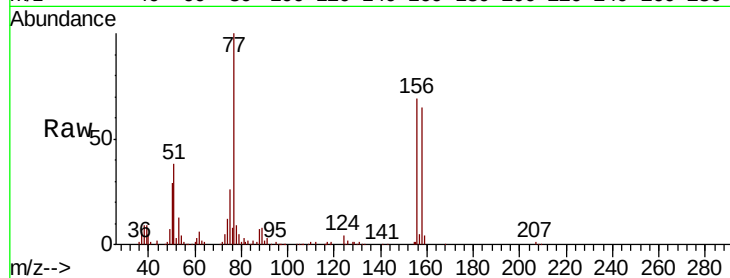
ClientSampleId :

VD1118SBS01

Tot Ion:	156	Resp:	133474
Ion Ratio	Lower	Upper	
156	100		
77	160.3	81.2	243.4
158	95.4	48.4	145.2

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#78

n-propylbenzene

Concen: 19.572 ug/l

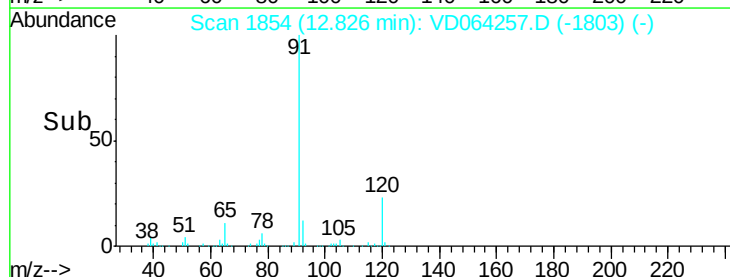
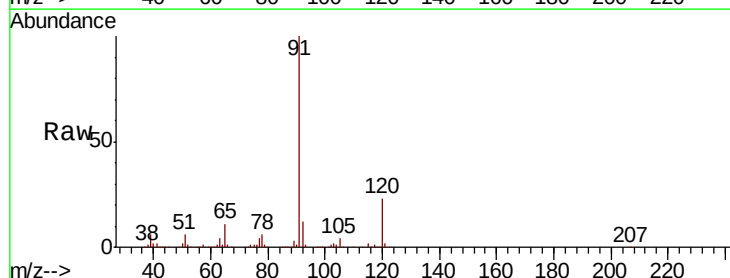
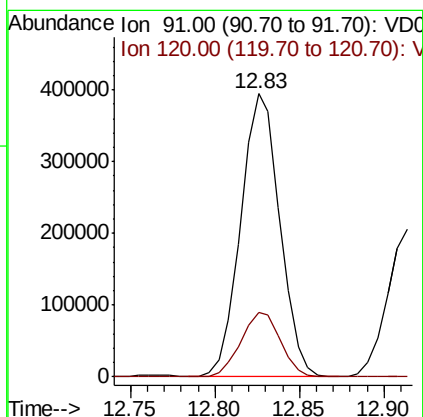
RT: 12.83 min Scan# 1854

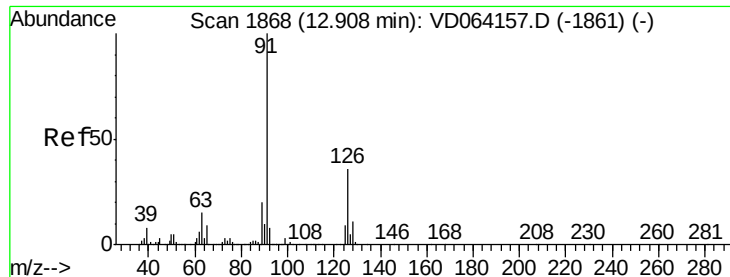
Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	91	Resp:	633467
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.8	35.4





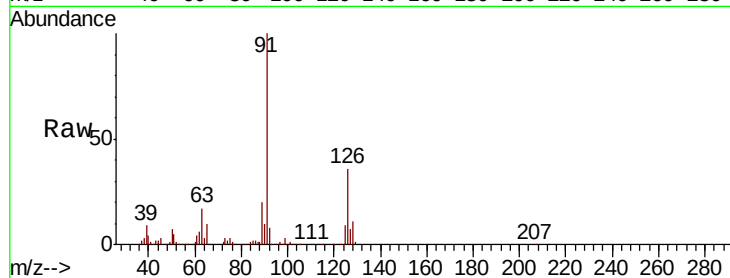
#79
2-Chlorotoluene
Concen: 19.185 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

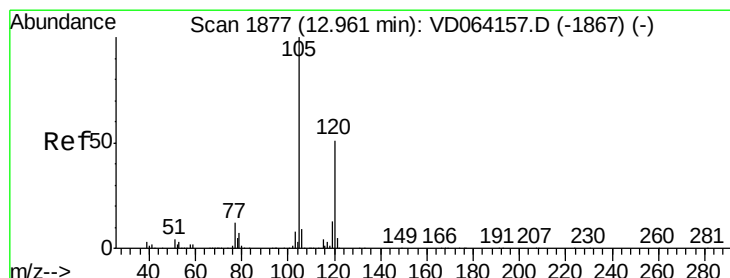
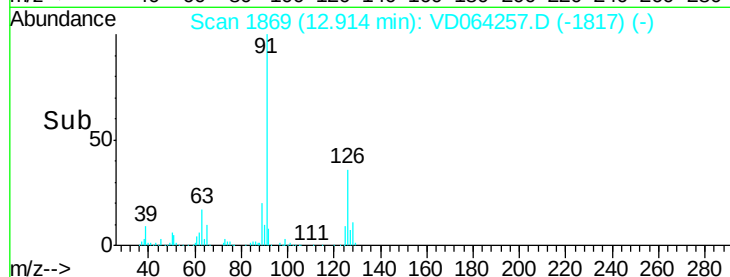
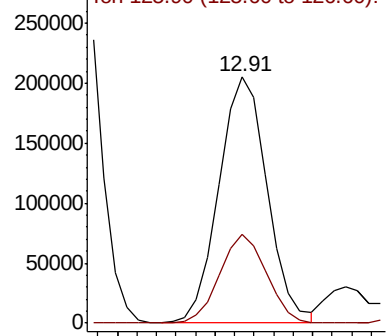
Tot Ion: 91 Resp: 350574
Ion Ratio Lower Upper
91 100
126 35.1 17.7 53.1

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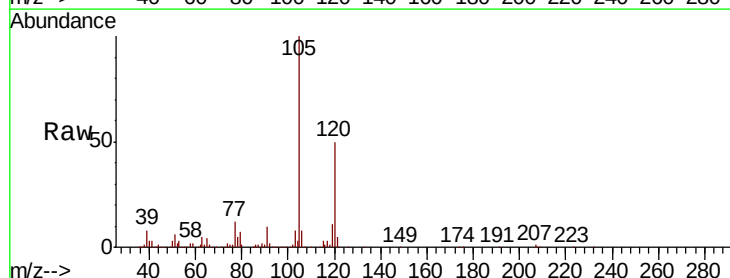


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 125.90 (125.60 to 126.60): V

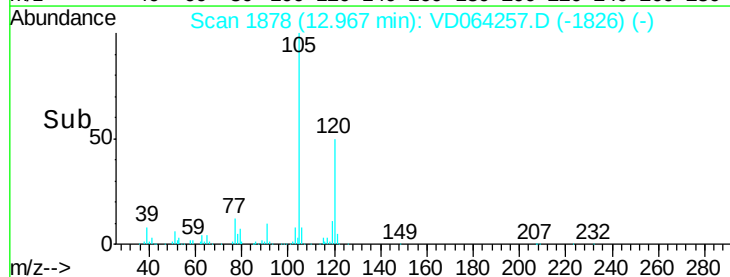
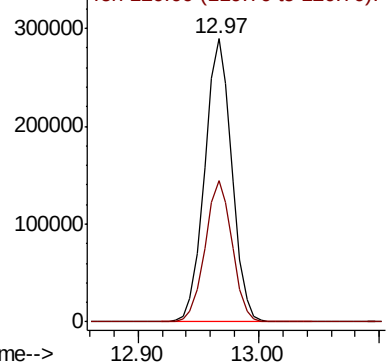


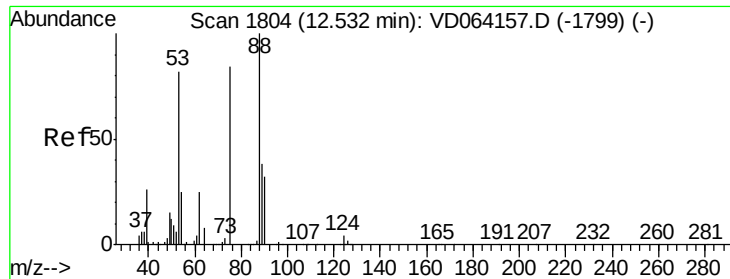
#80
1,3,5-Trimethylbenzene
Concen: 19.438 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion: 105 Resp: 452481
Ion Ratio Lower Upper
105 100
120 49.5 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





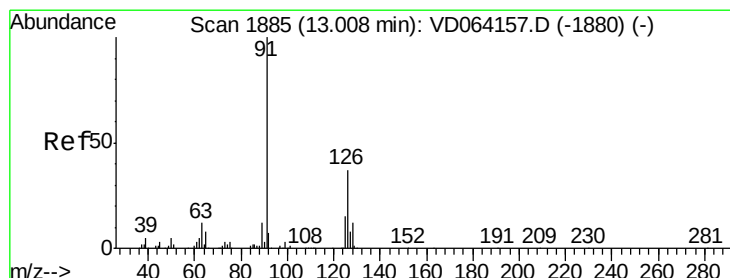
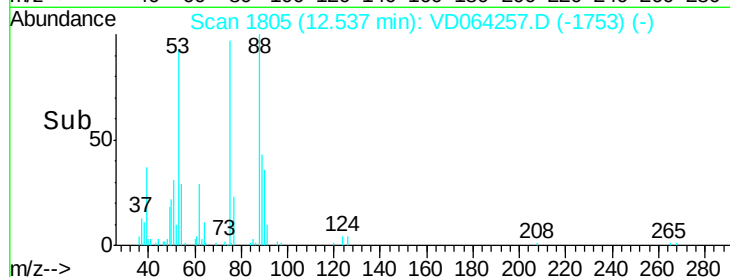
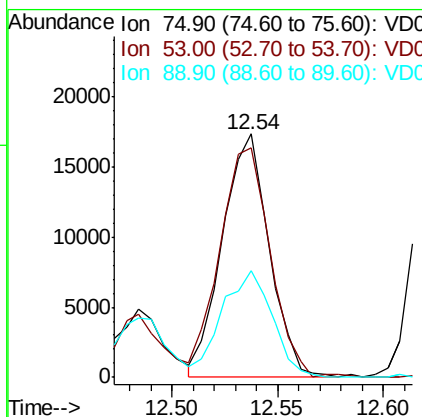
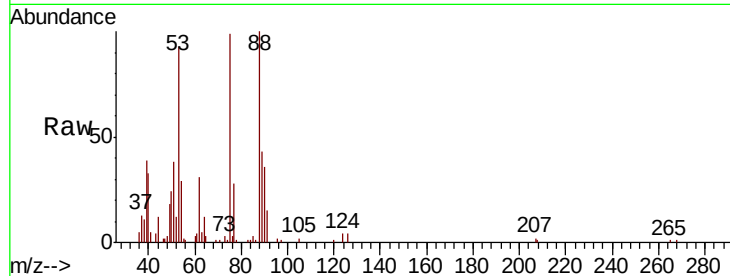
#81
trans-1,4-Dichloro-2-butene
Concen: 17.023 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.3	79.4	119.0
89	47.1	36.6	55.0

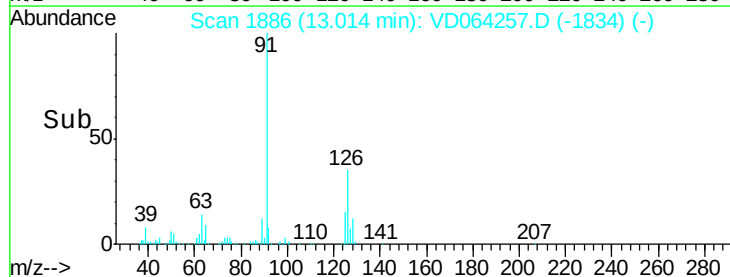
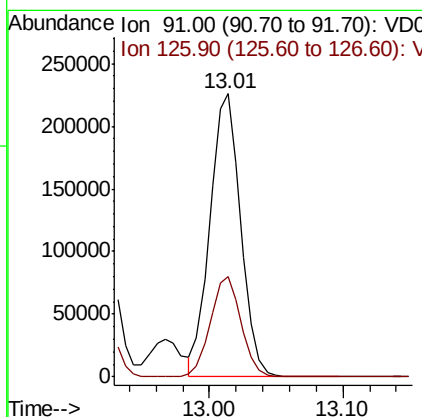
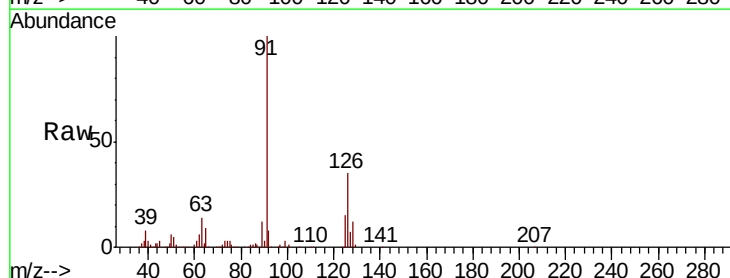
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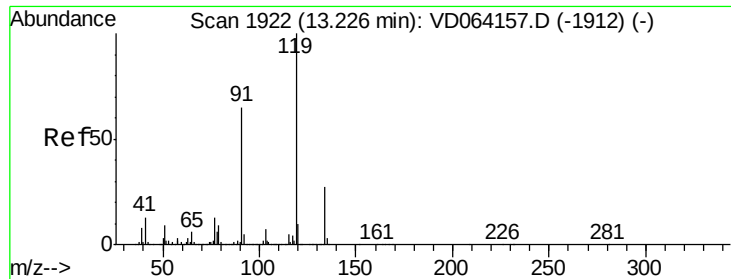
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.095 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.4





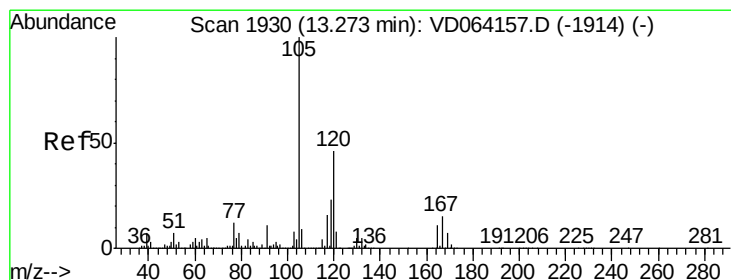
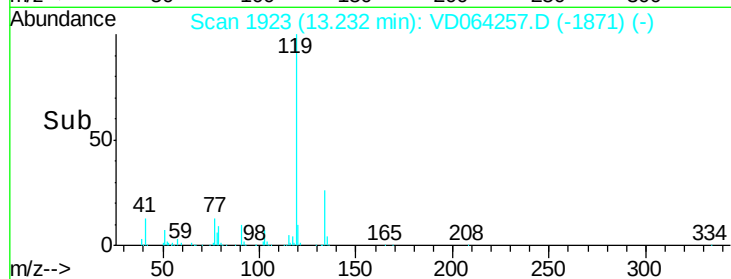
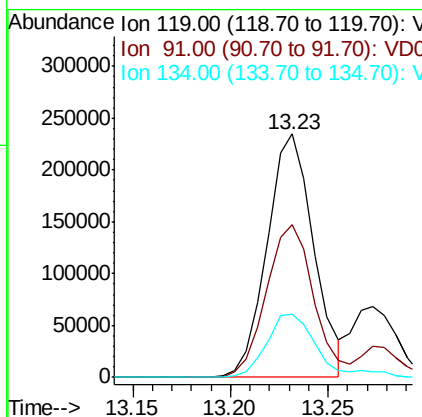
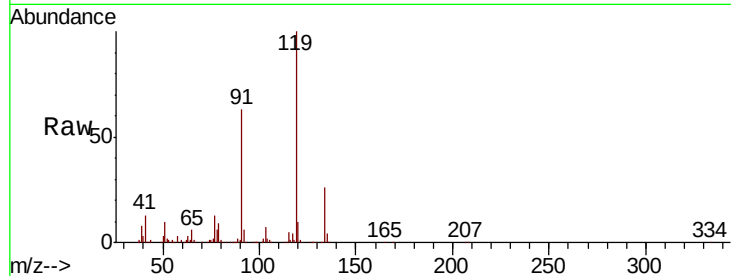
#83
 tert-Butylbenzene
 Concen: 18.938 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	388713		
91	64.3		31.8	95.4
134	26.5		13.7	41.0

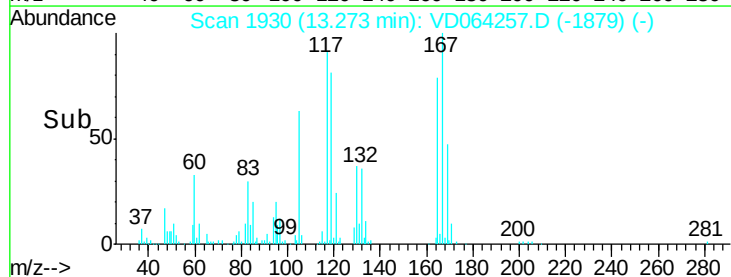
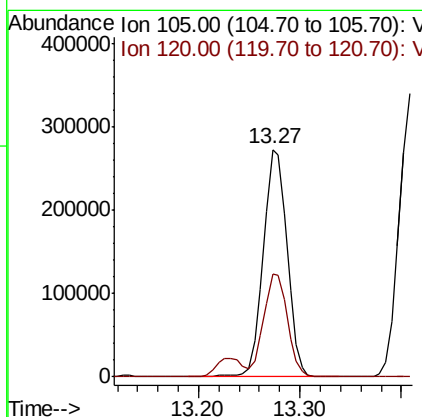
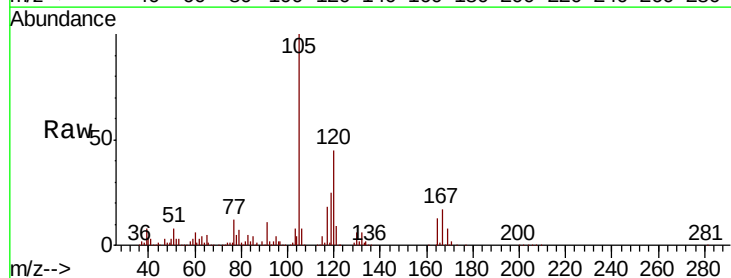
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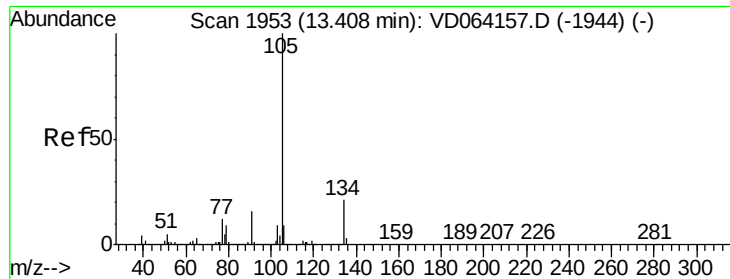
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.383 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	445438		
120	45.1		23.3	69.8





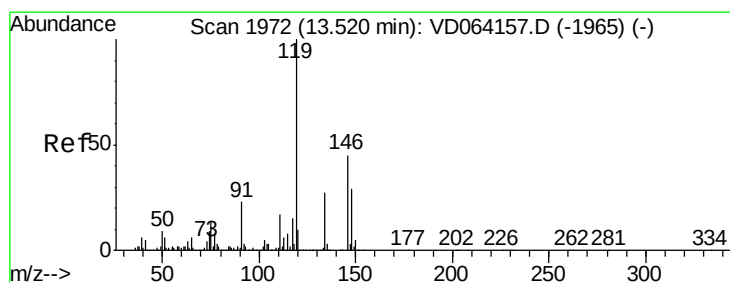
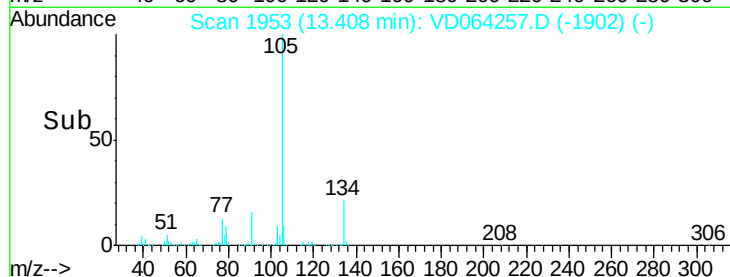
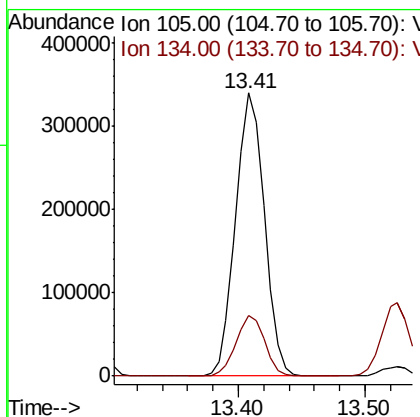
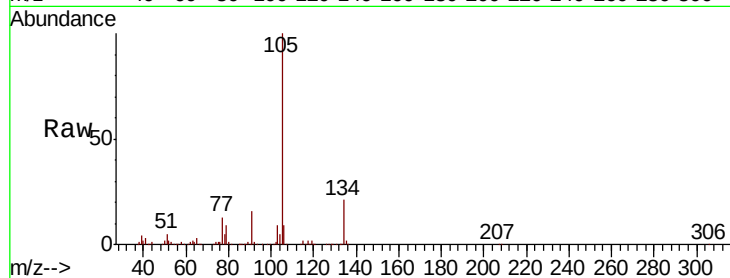
#85
 sec-Butylbenzene
 Concen: 19.457 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9

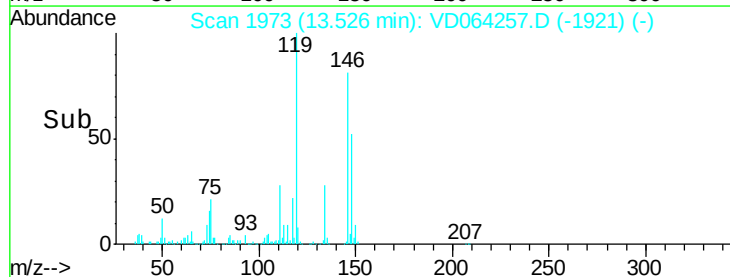
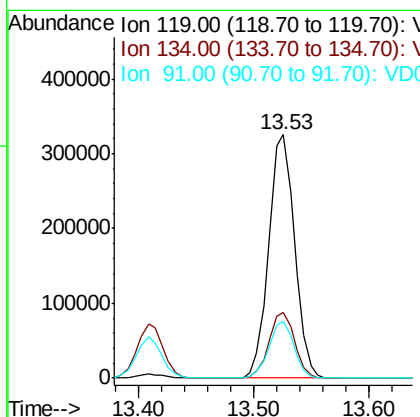
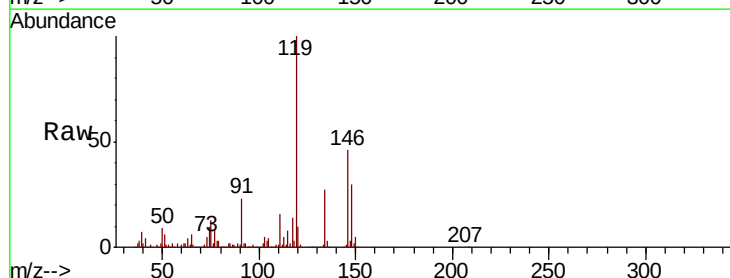
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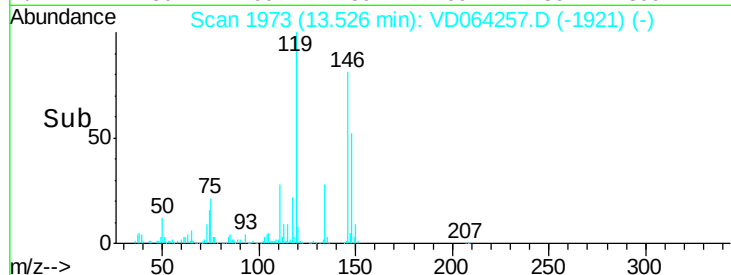
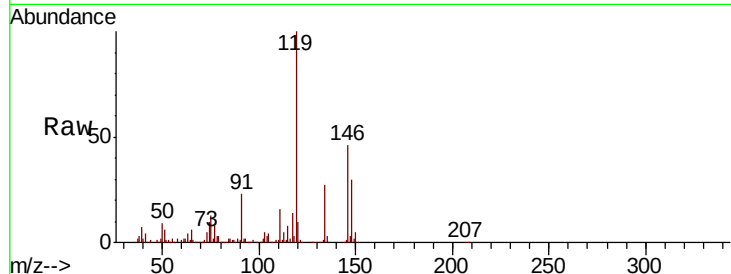
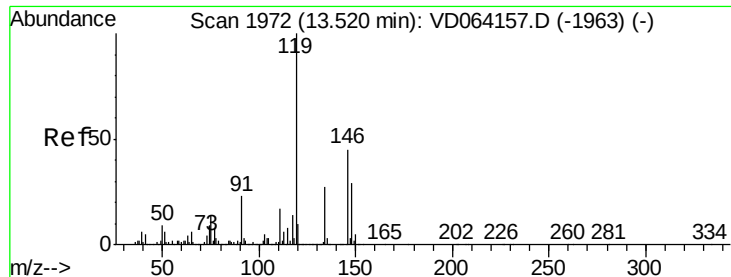
MMDadoda
 11/20/2019 1:11:45 PM



#86
 p-Isopropyltoluene
 Concen: 19.487 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064257.D
 Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.5	40.5
91	22.6	11.5	34.4





#87

1,3-Dichlorobenzene

Concen: 19.145 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.01 min

Lab File: VD064257.D

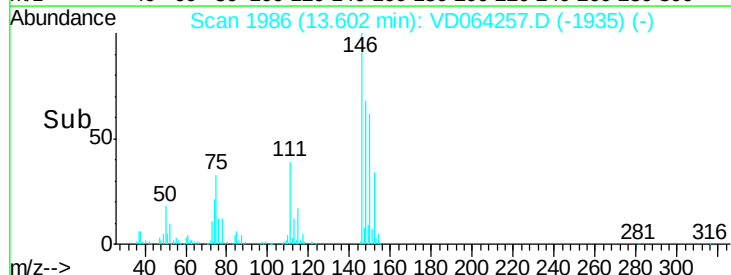
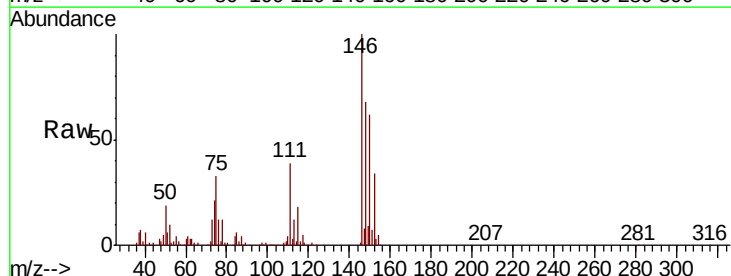
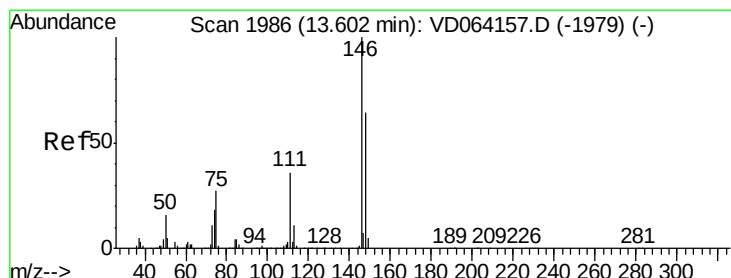
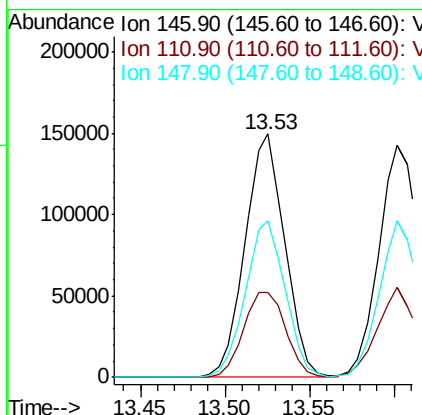
Acq: 18 Nov 2019 11:42

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.9	56.9
148	64.3	32.1	96.5

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

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#88

1,4-Dichlorobenzene

Concen: 19.050 ug/l

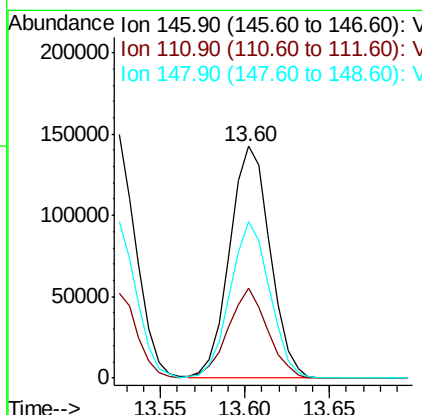
RT: 13.60 min Scan# 1986

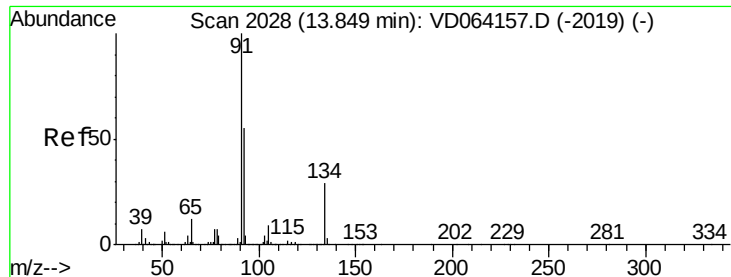
Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.1	54.4
148	66.1	31.9	95.7





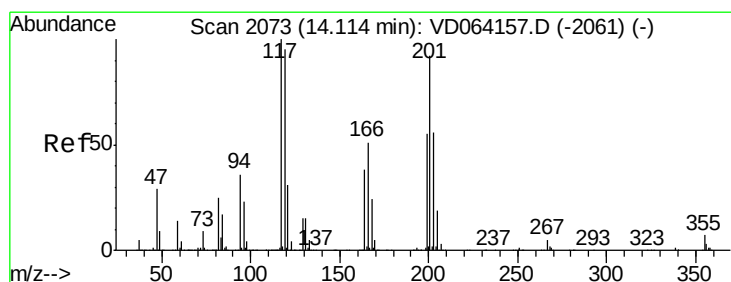
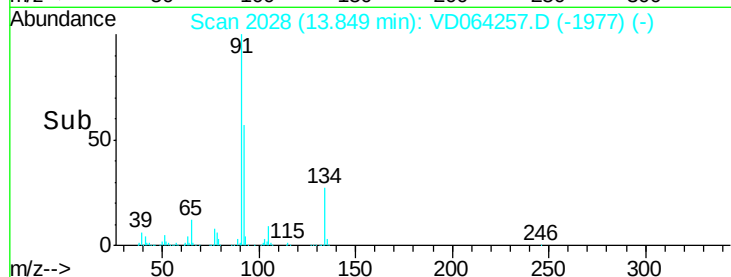
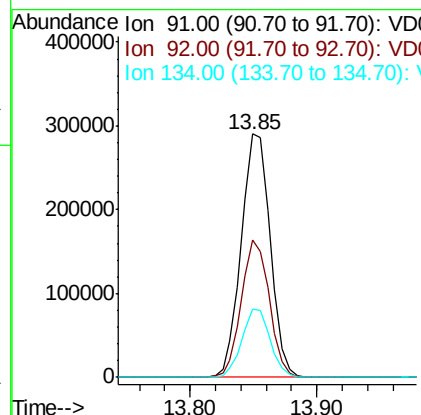
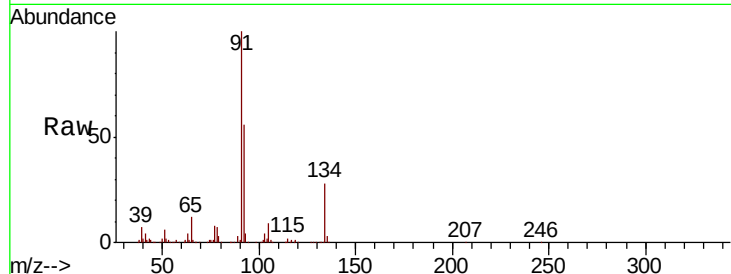
#89
n-Butylbenzene
Concen: 19.431 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.3	81.8
134	27.5	14.1	42.4

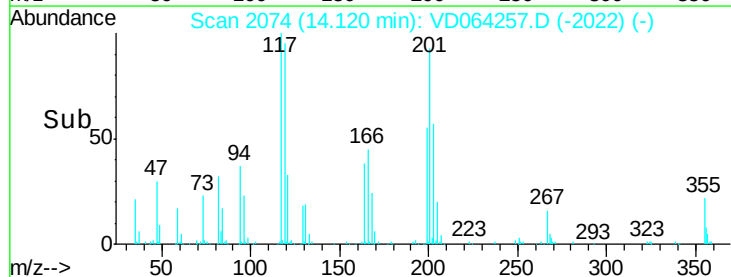
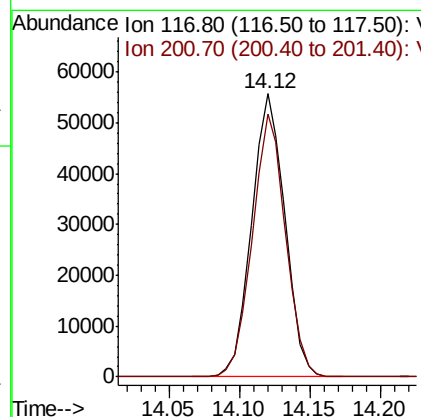
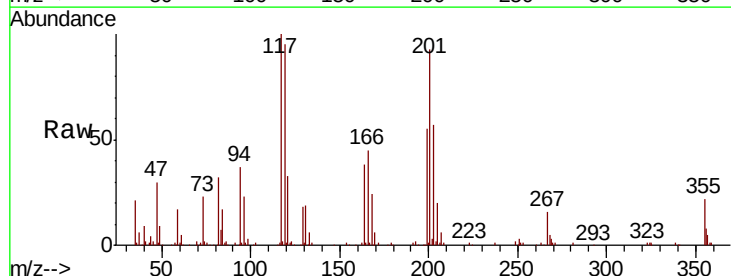
Manual Integrations
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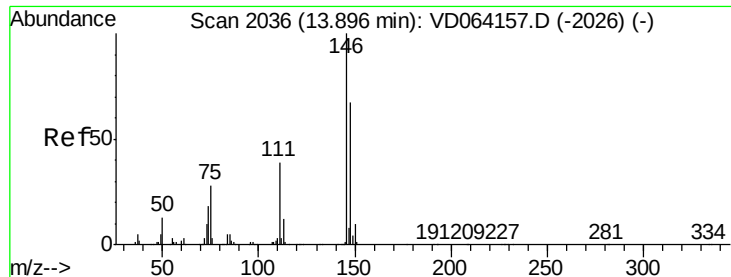
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#90
Hexachloroethane
Concen: 19.031 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.3	45.8	137.4





#91

1,2-Dichlorobenzene

Concen: 19.286 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Instrument :

MSVOA_D

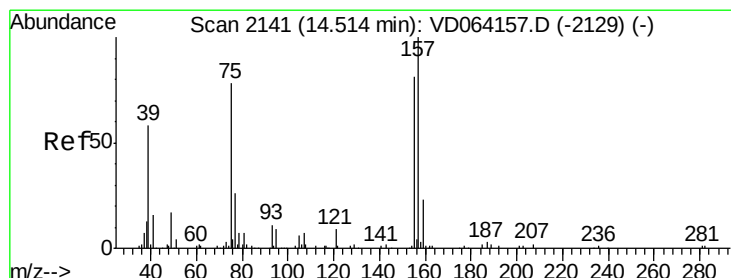
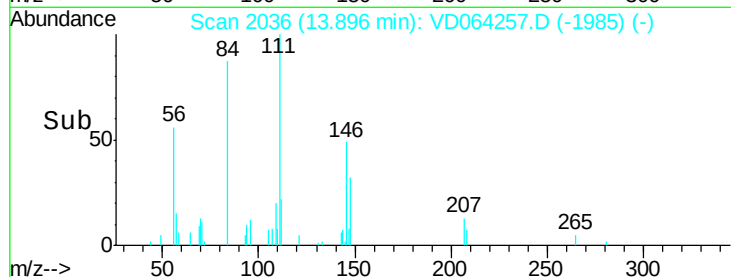
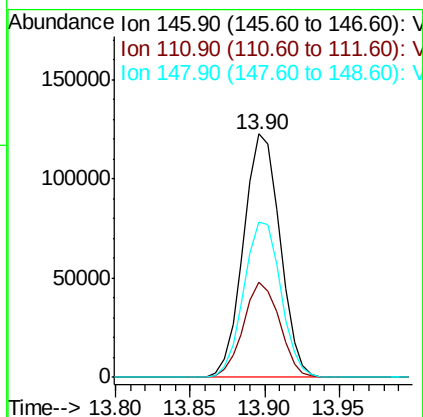
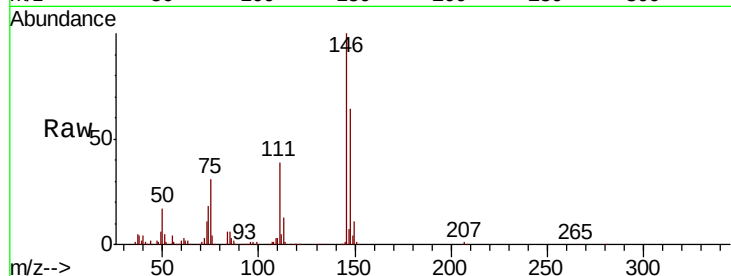
ClientSampleId :

VD1118SBS01

Tot Ion:	146	Resp:	208546
Ion Ratio	Lower	Upper	
146	100		
111	38.8	19.7	59.0
148	64.7	32.3	96.8

Manual Integrations
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11/20/2019 1:11:45 PM



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.620 ug/l

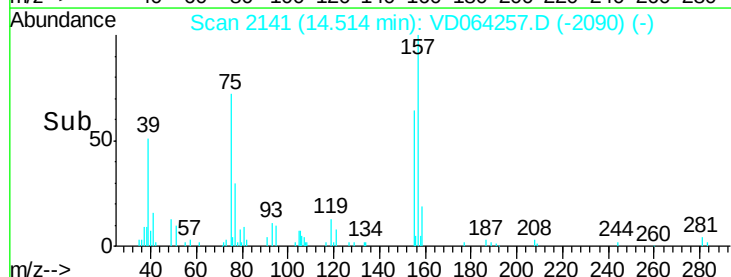
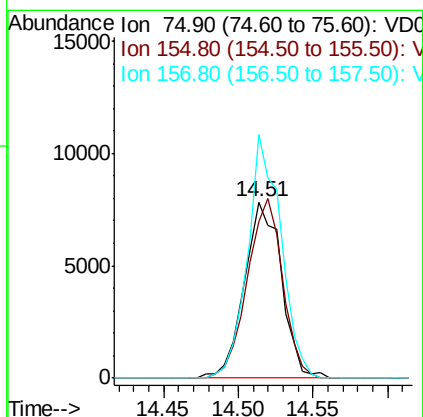
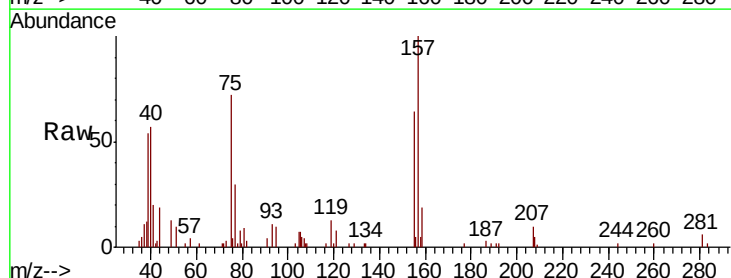
RT: 14.51 min Scan# 2141

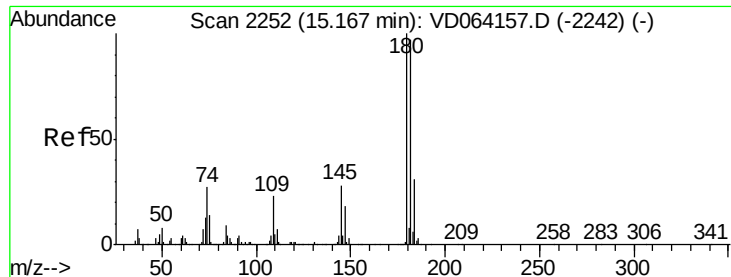
Delta R.T. -0.00 min

Lab File: VD064257.D

Acq: 18 Nov 2019 11:42

Tgt Ion:	75	Resp:	13448
Ion Ratio	Lower	Upper	
75	100		
155	96.9	48.0	144.0
157	123.8	61.5	184.4





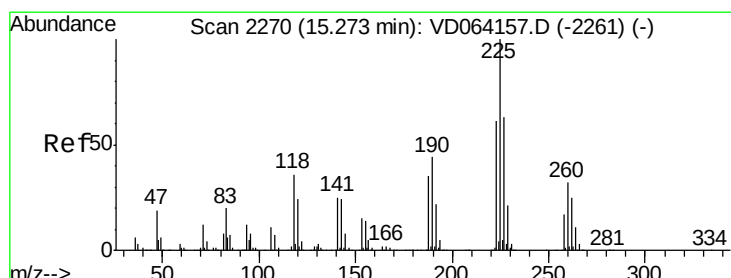
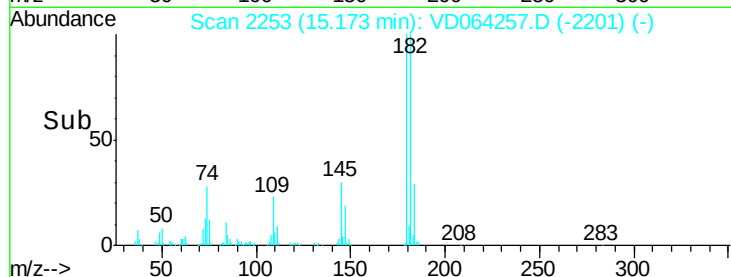
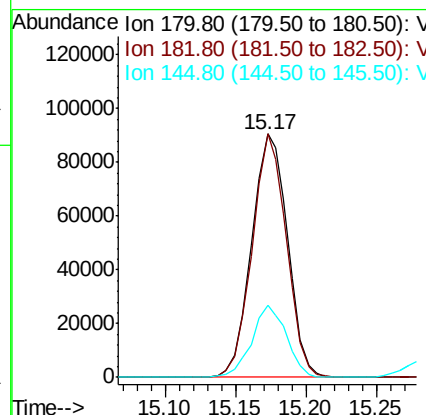
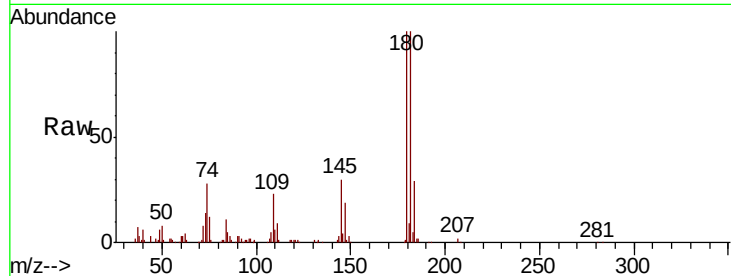
#93
1,2,4-Trichlorobenzene
Concen: 19.321 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	161170		
182	95.2	47.5	142.5	
145	28.6	14.2	42.6	

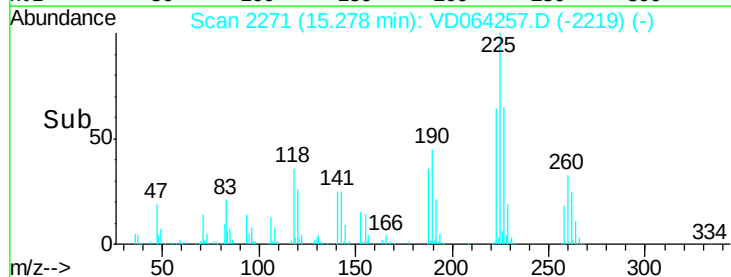
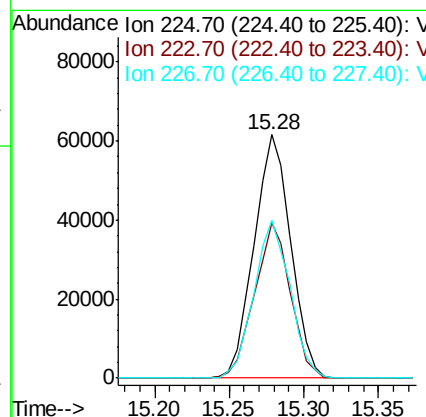
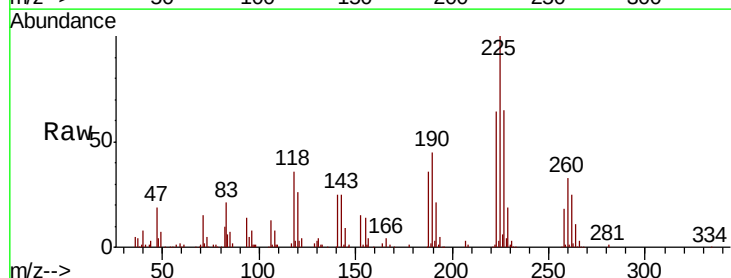
Manual Integrations
APPROVED

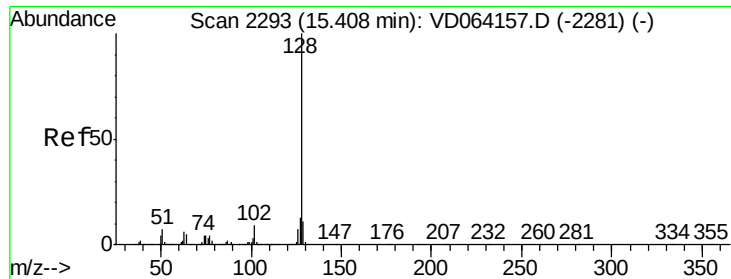
MMDadoda
11/20/2019 1:11:45 PM



#94
Hexachlorobutadiene
Concen: 19.397 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	104506		
223	62.1	31.1	93.3	
227	63.8	31.5	94.5	





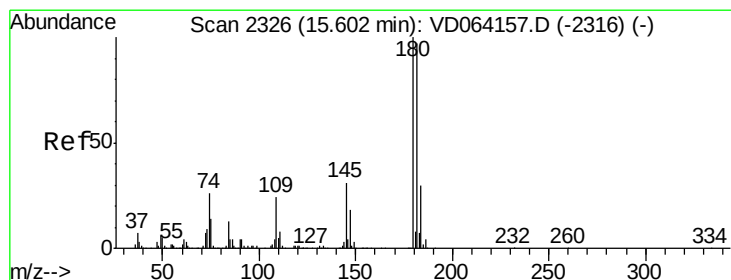
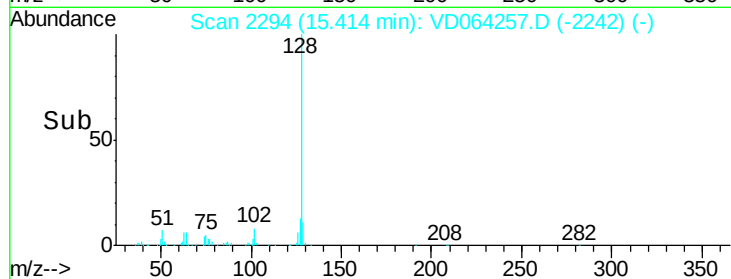
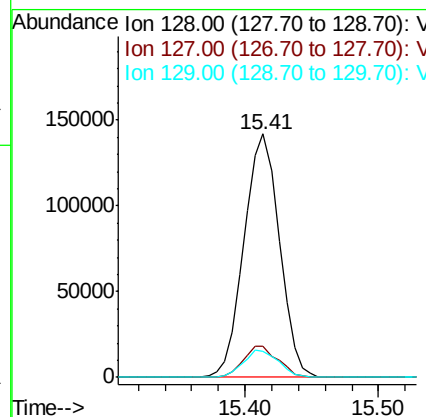
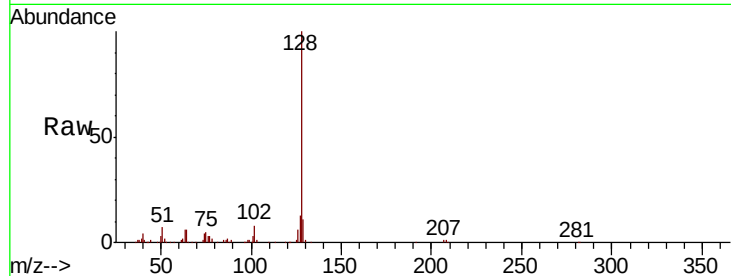
#95
Naphthalene
Concen: 19.049 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	260471		
127	12.7	10.5	15.7	
129	11.3	8.6	13.0	

Manual Integrations
APPROVED

MMDadoda
11/20/2019 1:11:45 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.865 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD064257.D
Acq: 18 Nov 2019 11:42

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	133765		
182	96.1	48.3	144.9	
145	31.5	15.3	45.8	

