

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112219\
 Data File : VD064341.D
 Acq On : 22 Nov 2019 12:13
 Operator : VA/SY
 Sample : VD1122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:43 AM

Quant Time: Nov 23 01:04:07 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	7.99	168	543004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	779603	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	669715	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325196	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	201383	45.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.18%	
35) Dibromofluoromethane	7.92	113	216017	48.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.54%	
50) Toluene-d8	10.34	98	807158	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
62) 4-Bromofluorobenzene	12.64	95	262871	44.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.92%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	84413	18.744	ug/l	95
3) Chloromethane	2.21	50	100549	20.815	ug/l	95
4) Vinyl Chloride	2.35	62	125324	24.261	ug/l	97
5) Bromomethane	2.76	94	83501	25.599	ug/l	94
6) Chloroethane	2.92	64	82783	25.080	ug/l	96
7) Trichlorofluoromethane	3.27	101	216813	25.888	ug/l	97
8) Diethyl Ether	3.70	74	44525	19.335	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	100391	20.972	ug/l	99
10) Methyl Iodide	4.30	142	91283	18.058	ug/l	97
11) Tert butyl alcohol	5.25	59	28943	92.789	ug/l	96
12) 1,1-Dichloroethene	4.06	96	93176	20.421	ug/l	98
13) Acrolein	3.93	56	17184	65.121	ug/l	94
14) Allyl chloride	4.70	41	145417	18.025	ug/l	94
15) Acrylonitrile	5.43	53	93841	95.588	ug/l	98
16) Acetone	4.16	43	83978	79.376	ug/l	97
17) Carbon Disulfide	4.40	76	257733	18.138	ug/l	97
18) Methyl Acetate	4.73	43	55077	18.639	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	201786	18.525	ug/l	93
20) Methylene Chloride	4.96	84	102918	19.258	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	103081	19.940	ug/l	92
22) Diisopropyl ether	6.37	45	278174	18.584	ug/l	97
23) Vinyl Acetate	6.31	43	778028	93.247	ug/l	97
24) 1,1-Dichloroethane	6.26	63	173493	19.962	ug/l	97
25) 2-Butanone	7.22	43	120990	88.518	ug/l	99
26) 2,2-Dichloropropane	7.21	77	161320	18.927	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110025	19.847	ug/l	96
28) Bromochloromethane	7.54	49	49896	16.490	ug/l	99
29) Tetrahydrofuran	7.57	42	77735	94.657	ug/l	98
30) Chloroform	7.71	83	187235	21.061	ug/l	96
31) Cyclohexane	7.98	56	165635	18.897	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	165829	19.481	ug/l	99
36) 1,1-Dichloropropene	8.11	75	144624	20.100	ug/l	100
37) Ethyl Acetate	7.30	43	55040	18.145	ug/l #	94
38) Carbon Tetrachloride	8.10	117	154434	20.059	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	177679	19.516	ug/l	95
40) Benzene	8.35	78	391777	19.923	ug/l	99
41) Methacrylonitrile	7.53	41	29055	15.240	ug/l #	81
42) 1,2-Dichloroethane	8.43	62	113232	19.172	ug/l	100
43) Isopropyl Acetate	8.46	43	110982	17.758	ug/l	98
44) Trichloroethene	9.11	130	117723	19.947	ug/l	98
45) 1,2-Dichloropropane	9.39	63	91972	19.216	ug/l	94
46) Dibromomethane	9.48	93	50815	19.831	ug/l	97
47) Bromodichloromethane	9.66	83	133218	19.301	ug/l	99
48) Methyl methacrylate	9.46	41	52153	17.066	ug/l	99
49) 1,4-Dioxane	9.47	88	12176	395.664	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	271774	90.681	ug/l	99
52) Toluene	10.41	92	255661	19.772	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	125155	18.100	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	151919	18.828	ug/l	94
55) 1,1,2-Trichloroethane	10.80	97	68884	19.817	ug/l	93
56) Ethyl methacrylate	10.67	69	89033	18.310	ug/l	96
57) 1,3-Dichloropropane	10.95	76	120758	19.920	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	188069	95.483	ug/l	98
59) 2-Hexanone	10.99	43	186841	87.627	ug/l	99
60) Dibromochloromethane	11.14	129	93917	19.363	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69316	19.909	ug/l	98
64) Tetrachloroethene	10.88	164	102277	19.857	ug/l	98
65) Chlorobenzene	11.67	112	272053	19.976	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	105781	20.427	ug/l	98
67) Ethyl Benzene	11.75	91	490833	19.925	ug/l	98
68) m/p-Xylenes	11.86	106	372140	39.412	ug/l	99
69) o-Xylene	12.18	106	169340	19.337	ug/l	97
70) Styrene	12.20	104	298521	19.529	ug/l	98
71) Bromoform	12.37	173	56561	19.192	ug/l #	100
73) Isopropylbenzene	12.48	105	486761	20.393	ug/l	99
74) N-amyl acetate	12.30	43	98705	17.511	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	74144	20.615	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	50949m	19.451	ug/l	
77) Bromobenzene	12.77	156	116867	20.153	ug/l	97
78) n-propylbenzene	12.83	91	546150	20.027	ug/l	100
79) 2-Chlorotoluene	12.91	91	299827	19.474	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	387717	19.768	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	22328	16.932	ug/l	97
82) 4-Chlorotoluene	13.01	91	308519	19.212	ug/l	96
83) tert-Butylbenzene	13.23	119	341934	19.771	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	387102	19.991	ug/l	100
85) sec-Butylbenzene	13.41	105	464244	19.986	ug/l	99
86) p-Isopropyltoluene	13.53	119	437272	19.801	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	217115	20.170	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	212012	20.180	ug/l	98
89) n-Butylbenzene	13.86	91	404238	20.262	ug/l	99
90) Hexachloroethane	14.12	117	80623	19.755	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	185149	20.321	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	12361	19.222	ug/l	91

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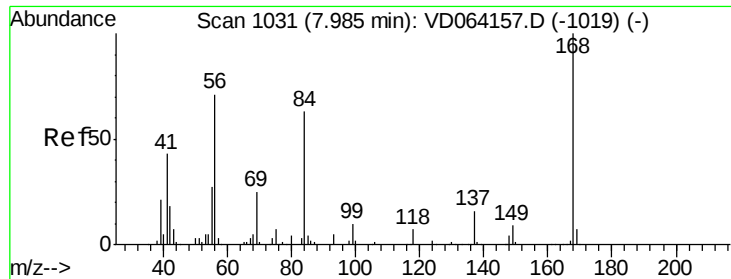
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	141717	20.164	ug/l	100
94) Hexachlorobutadiene	15.28	225	92777	20.437	ug/l	98
95) Naphthalene	15.41	128	228010	19.790	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	119927	20.074	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion:168 Resp: 543004

Ion Ratio Lower Upper

168 100

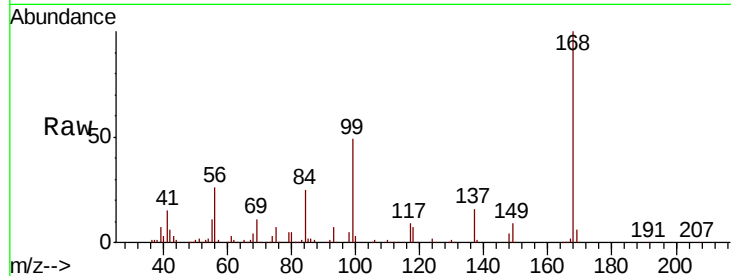
99 48.9 41.6 62.4

Manual Integrations

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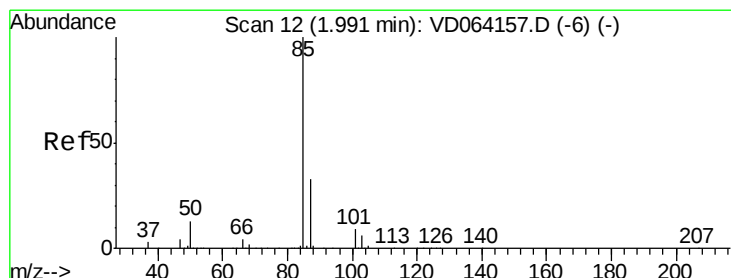
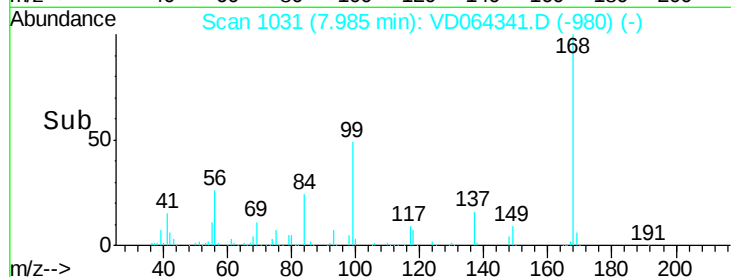
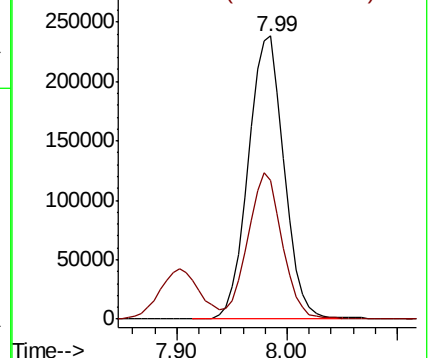
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.744 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064341.D

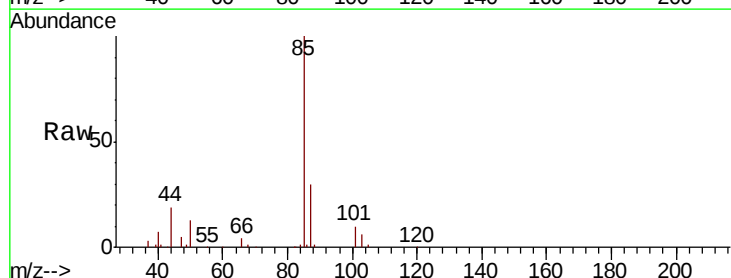
Acq: 22 Nov 2019 12:13

Tgt Ion: 85 Resp: 84413

Ion Ratio Lower Upper

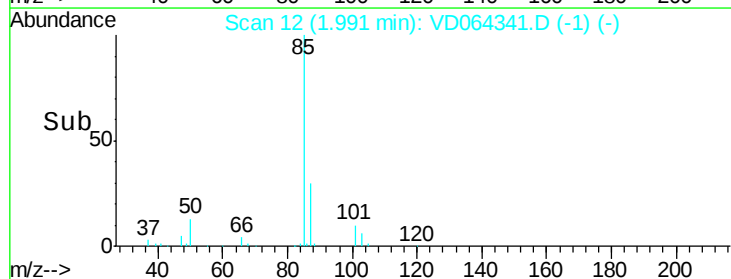
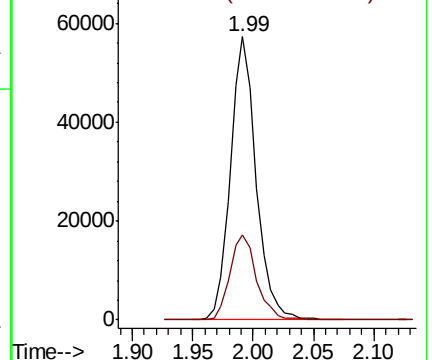
85 100

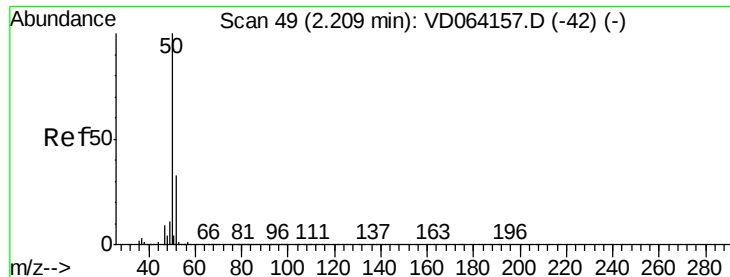
87 29.9 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.815 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 50 Resp: 100549

Ion Ratio Lower Upper

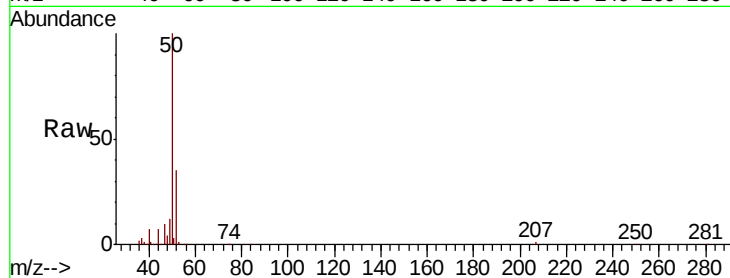
50 100

52 35.5 26.2 39.4

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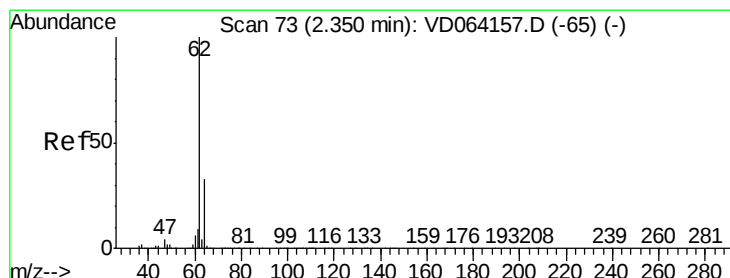
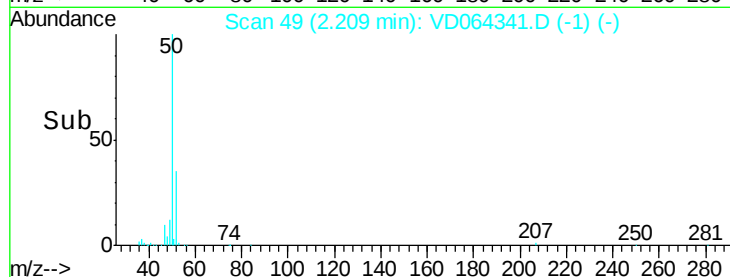
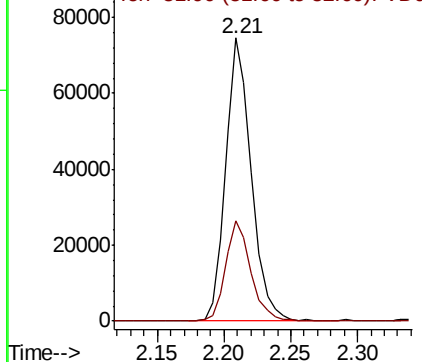
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 24.261 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064341.D

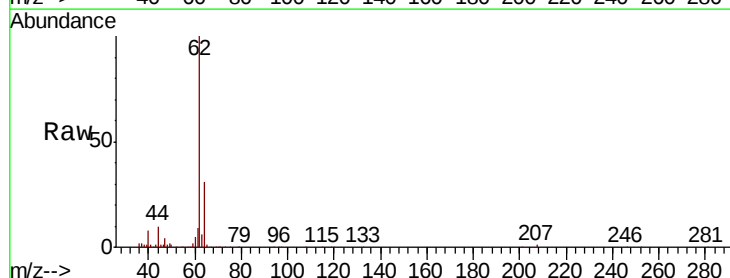
Acq: 22 Nov 2019 12:13

Tgt Ion: 62 Resp: 125324

Ion Ratio Lower Upper

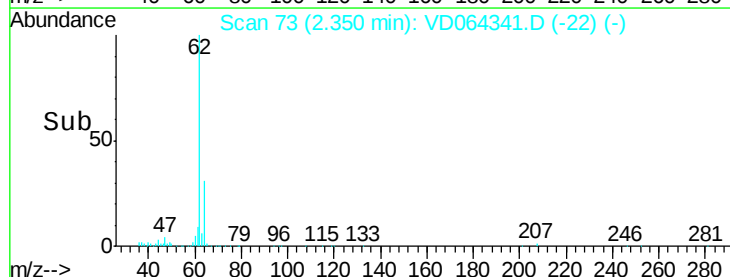
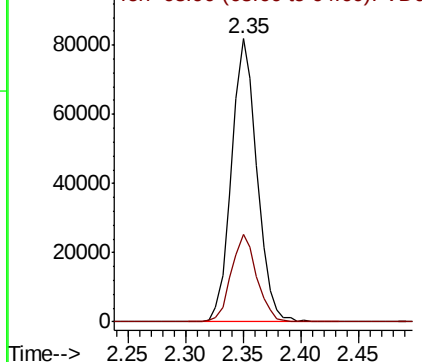
62 100

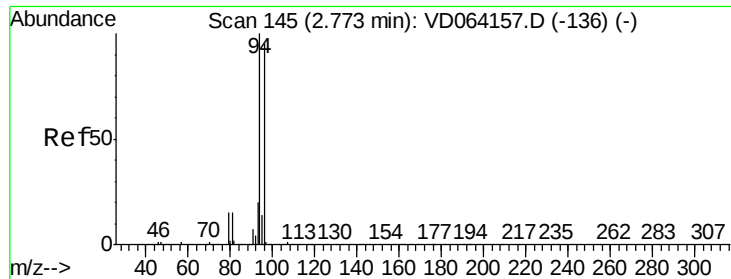
64 30.7 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 25.599 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 94 Resp: 83501

Ion Ratio Lower Upper

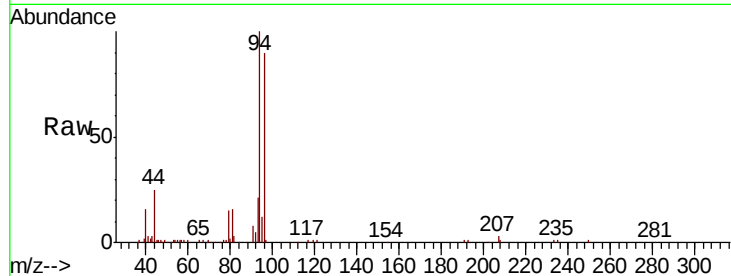
94 100

96 89.2 76.2 114.4

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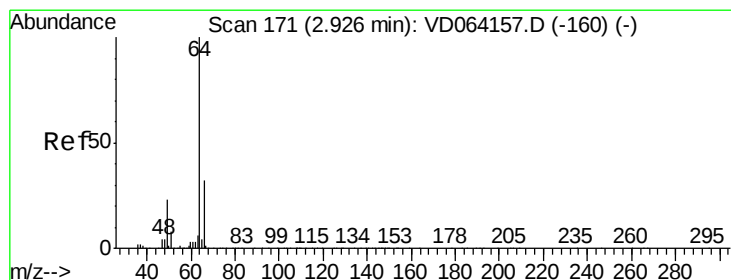
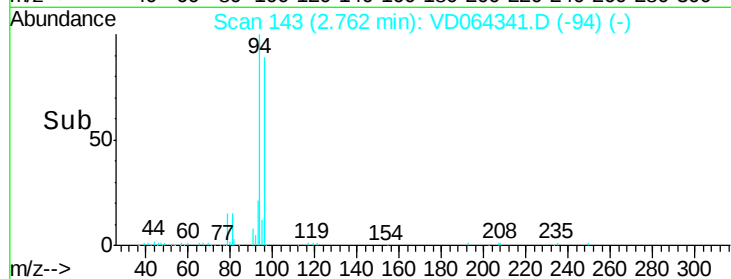
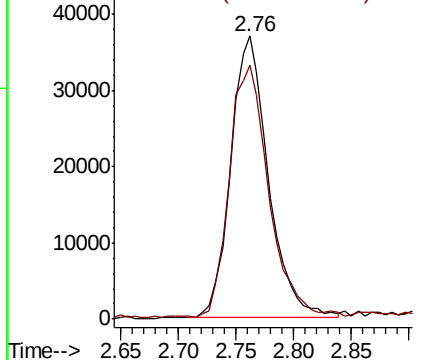
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 25.080 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064341.D

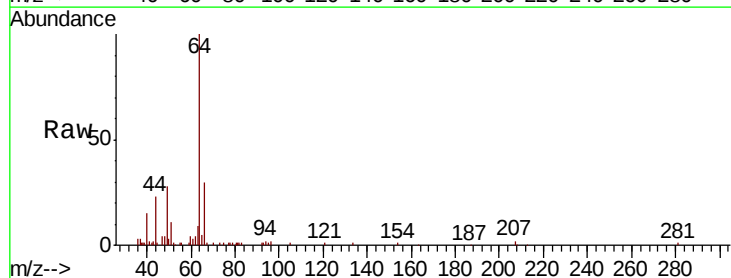
Acq: 22 Nov 2019 12:13

Tgt Ion: 64 Resp: 82783

Ion Ratio Lower Upper

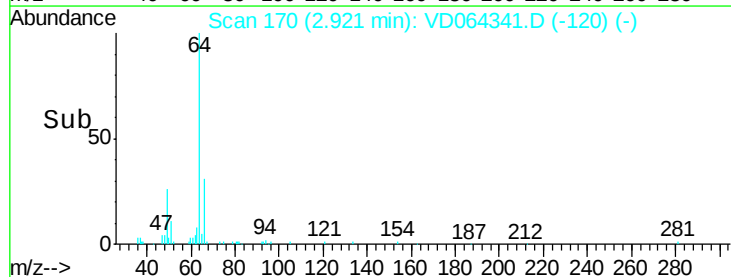
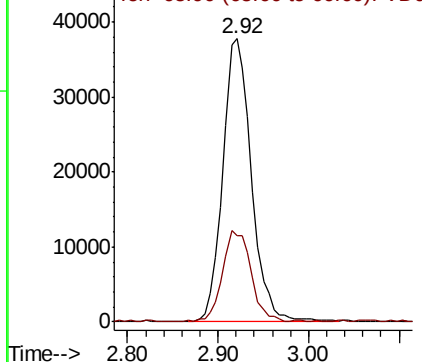
64 100

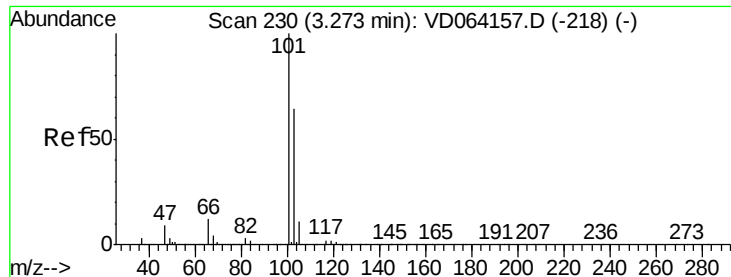
66 29.8 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

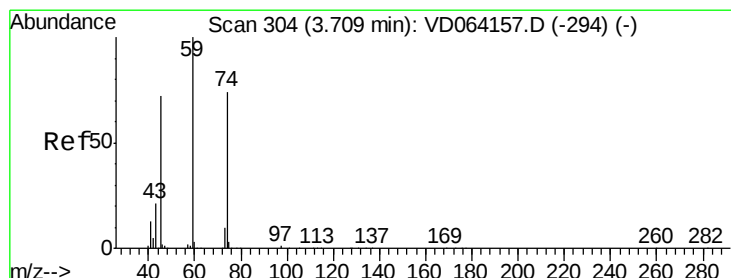
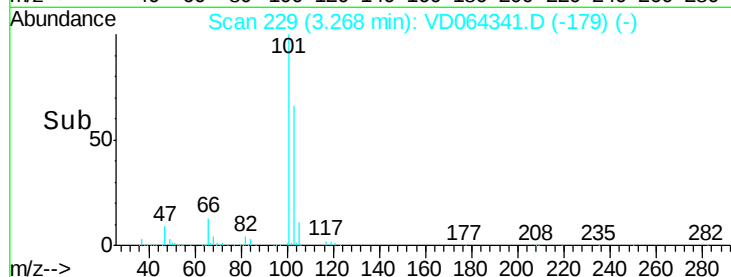
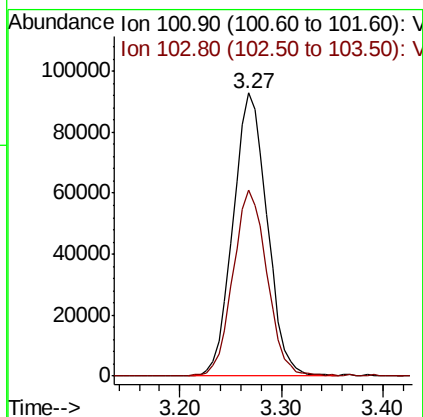
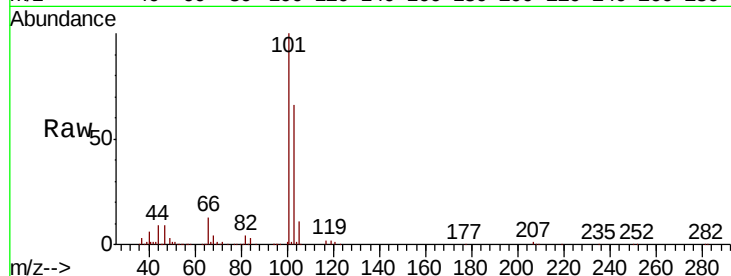
Trichlorofluoromethane
Concen: 25.888 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	216813		
103	65.7	50.8	76.2	

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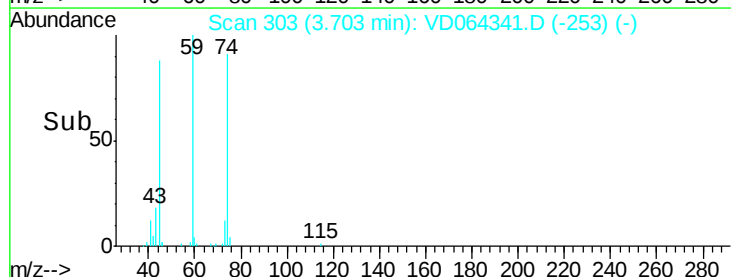
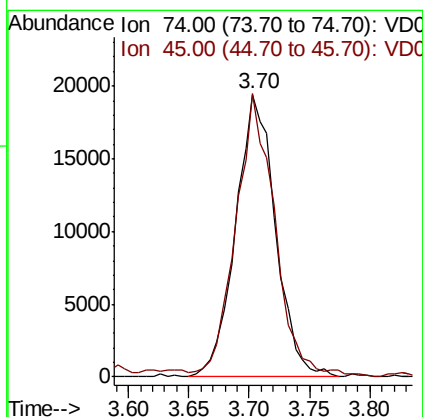
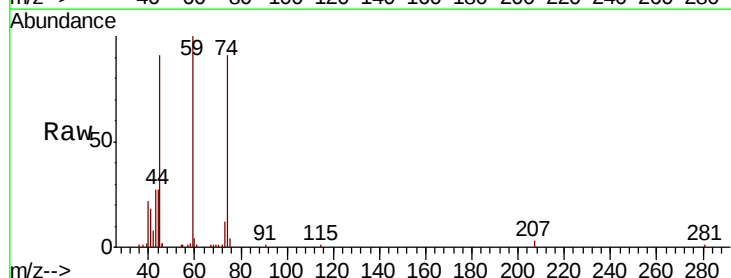
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11/26/2019 1:34:43 AM

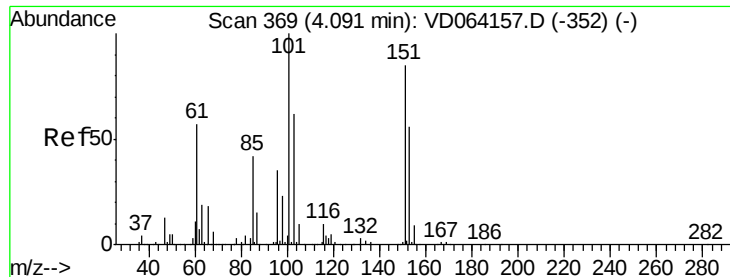


#8

Diethyl Ether
Concen: 19.335 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	44525		
45	99.4	47.9	143.7	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.972 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

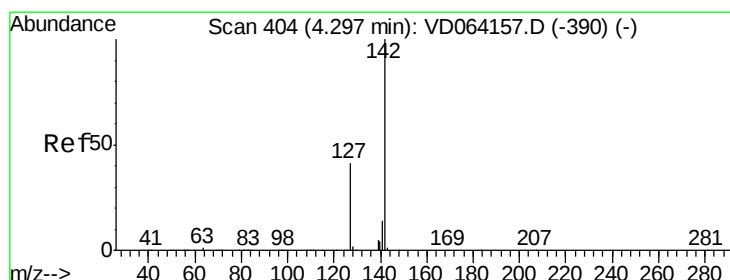
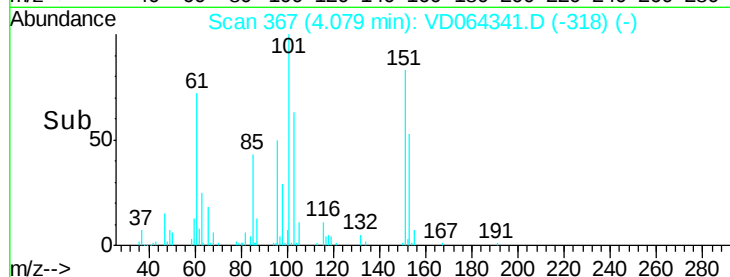
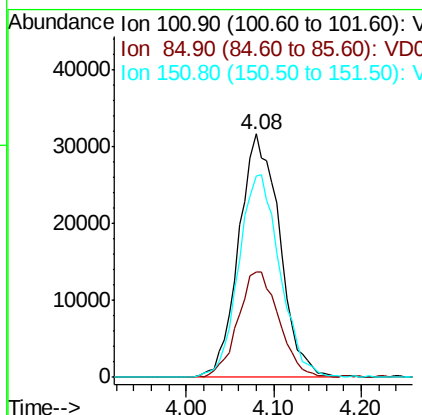
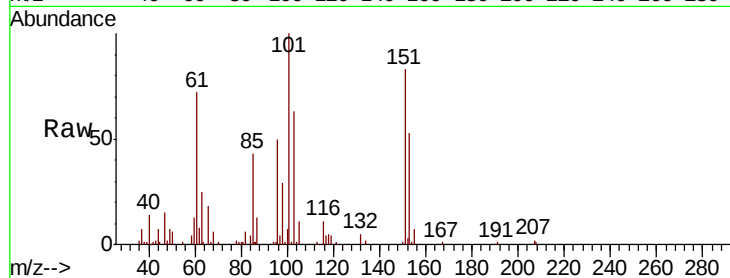
ClientSampleId :

VD1122SBS01

Tot Ion:	101	Resp:	100391
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.4	51.6
151	84.1	68.1	102.1

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#10

Methyl Iodide

Concen: 18.058 ug/l

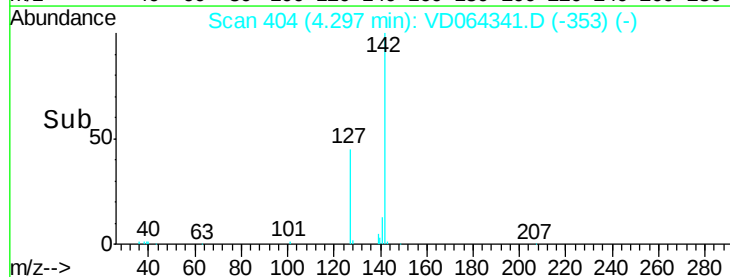
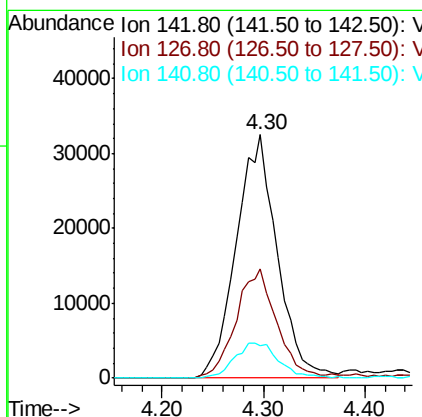
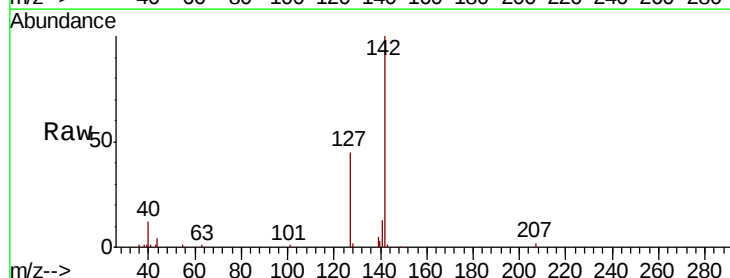
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion:	142	Resp:	91283
Ion Ratio	Lower	Upper	
142	100		
127	44.4	34.4	51.6
141	15.5	11.2	16.8





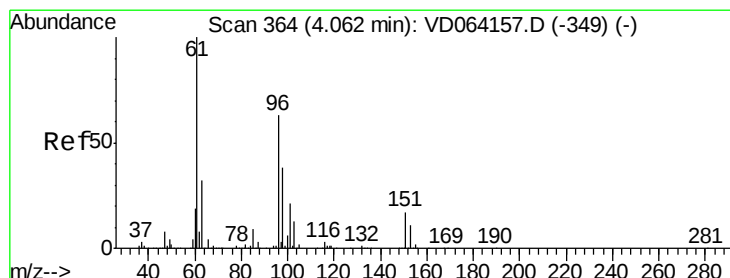
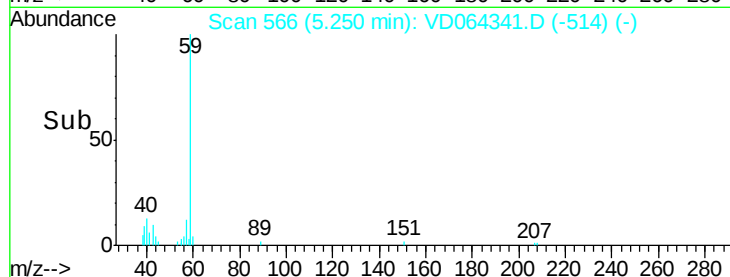
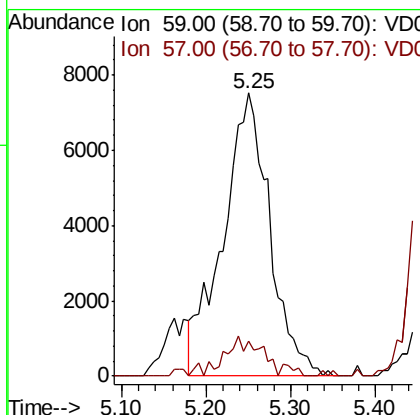
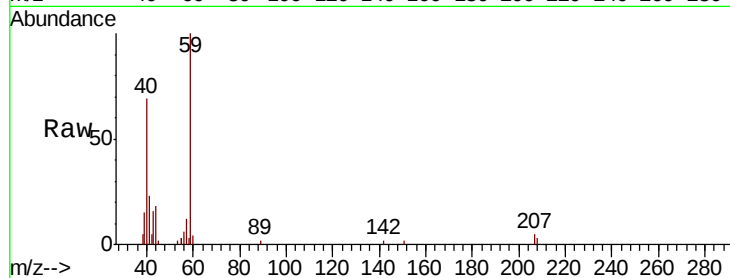
#11
Tert butyl alcohol
Concen: 92.789 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	9.4	14.2

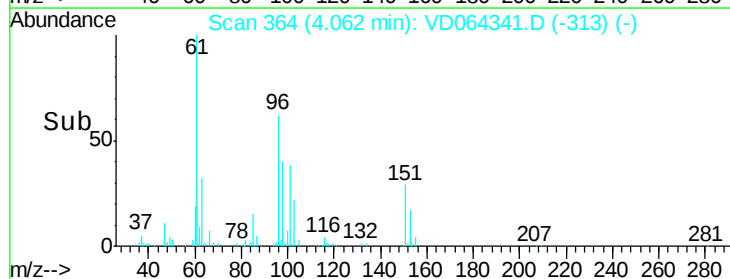
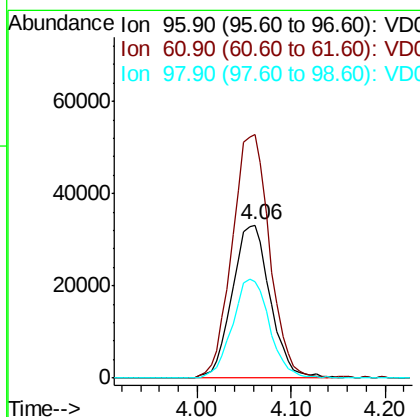
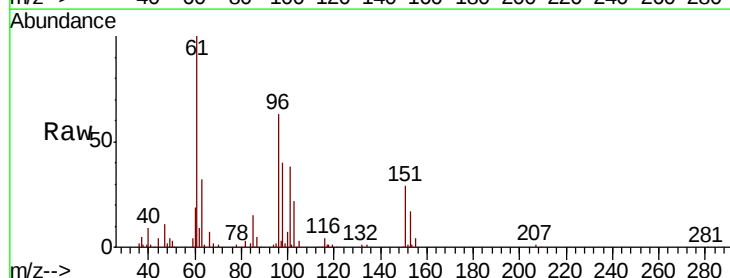
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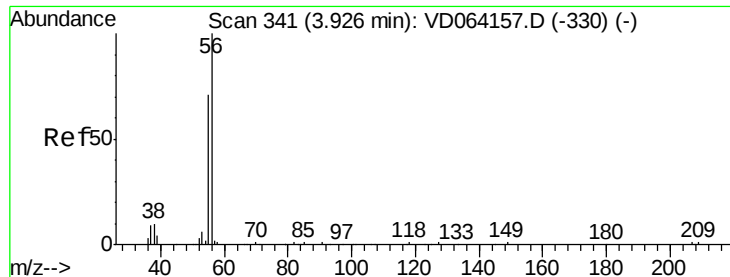
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.421 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.3	127.4	191.2
98	62.8	48.1	72.1





#13

Acrolein

Concen: 65.121 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 56 Resp: 17184

Ion Ratio Lower Upper

56 100

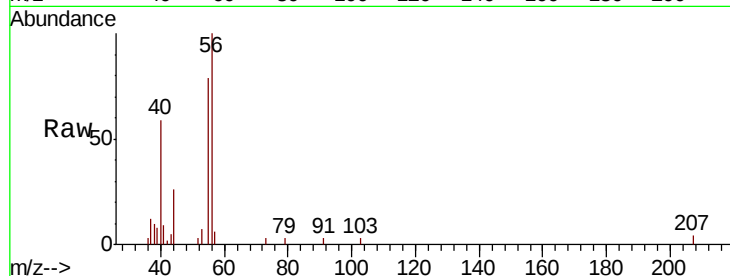
55 75.4 56.1 84.1

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

8000

6000

4000

2000

0

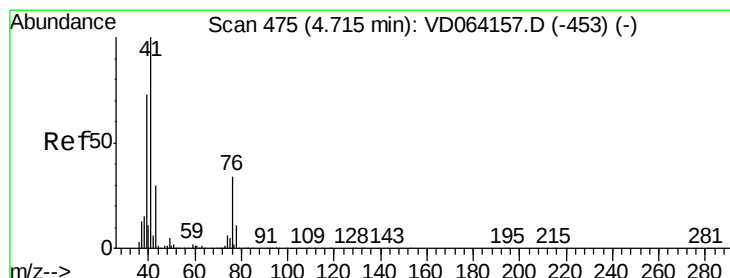
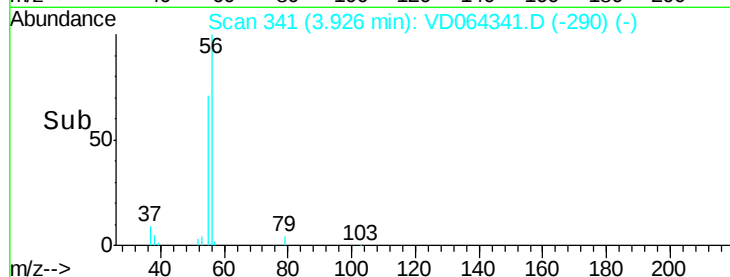
Time-->

3.80

3.90

4.00

3.93



#14

Allyl chloride

Concen: 18.025 ug/l

RT: 4.70 min Scan# 473

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

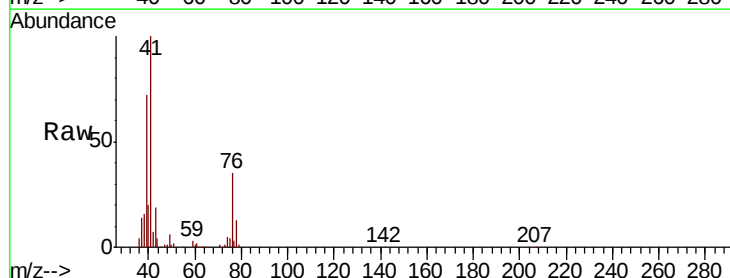
Tgt Ion: 41 Resp: 145417

Ion Ratio Lower Upper

41 100

39 76.9 57.5 86.3

76 37.6 26.8 40.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

60000

50000

40000

30000

20000

10000

0

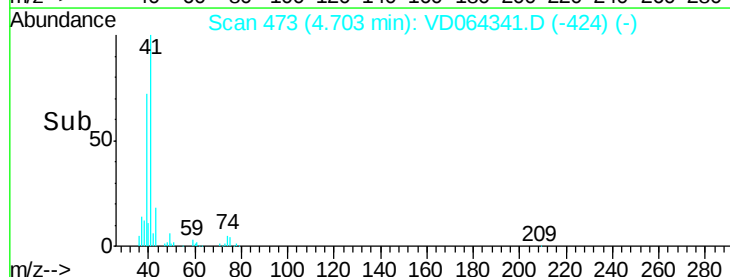
Time-->

4.60

4.70

4.80

4.70





#15

Acrylonitrile

Concen: 95.588 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

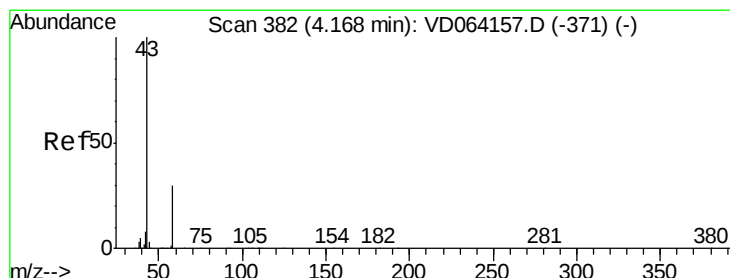
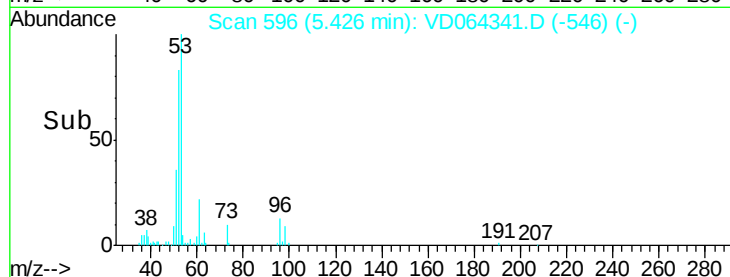
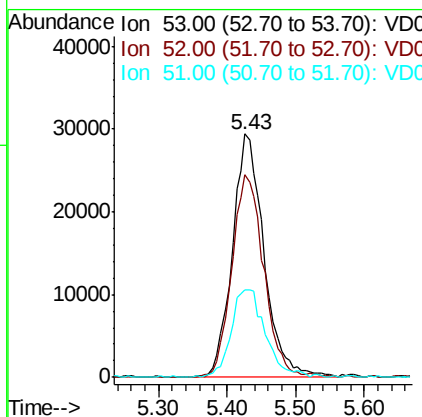
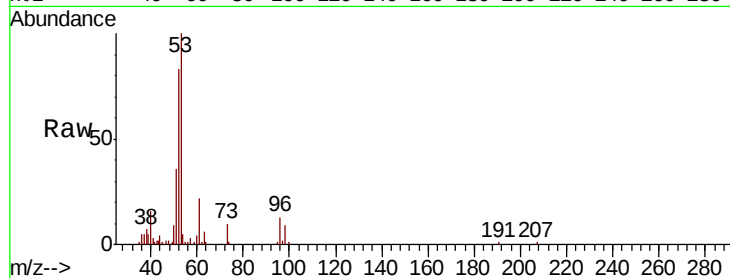
ClientSampleId :

VD1122SBS01

Tot Ion:	53	Resp:	93841
Ion	Ratio	Lower	Upper
53	100		
52	84.8	66.7	100.1
51	39.1	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 79.376 ug/l

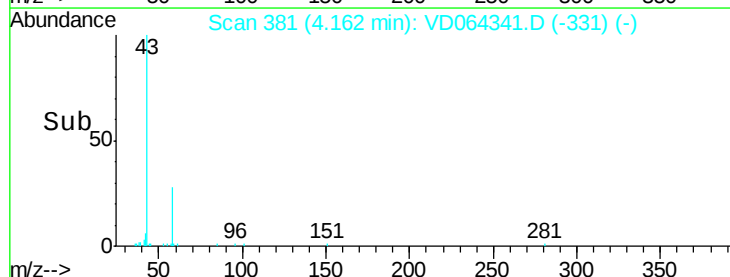
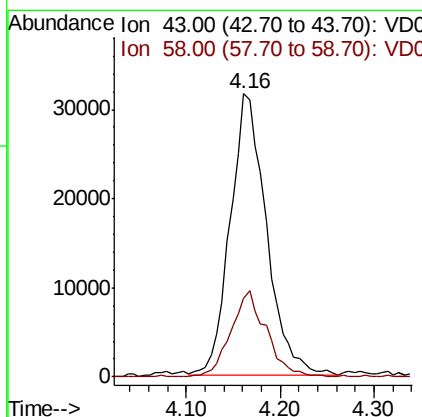
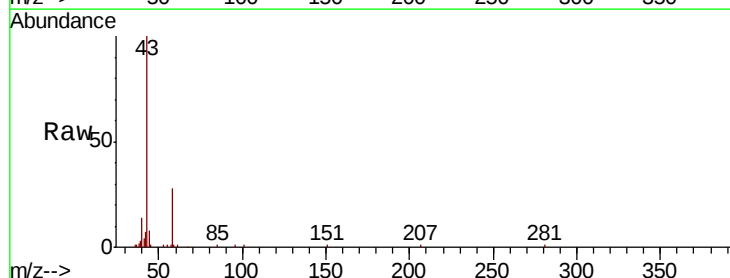
RT: 4.16 min Scan# 381

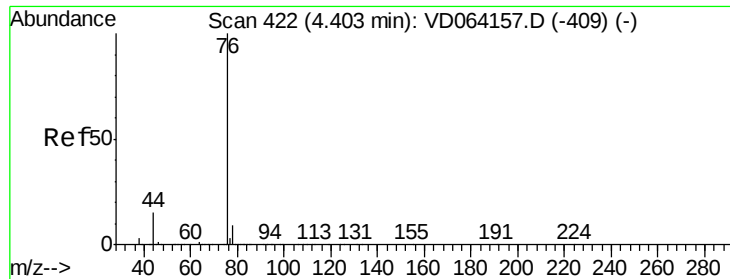
Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion:	43	Resp:	83978
Ion	Ratio	Lower	Upper
43	100		
58	28.2	24.1	36.1





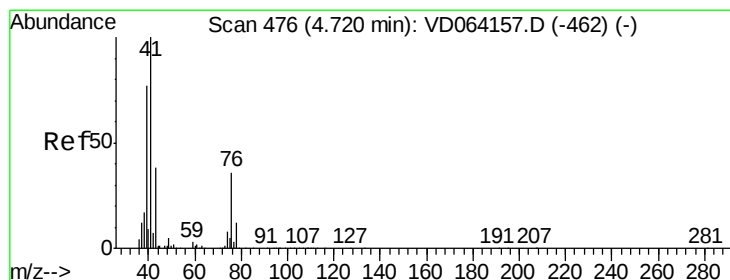
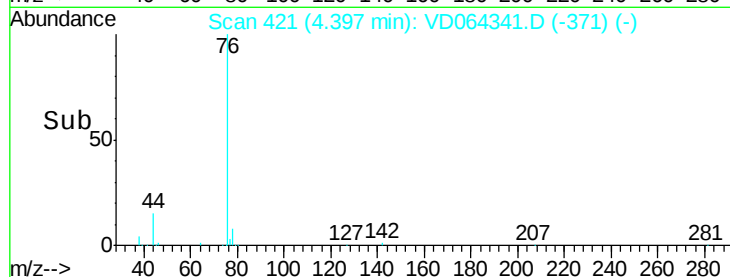
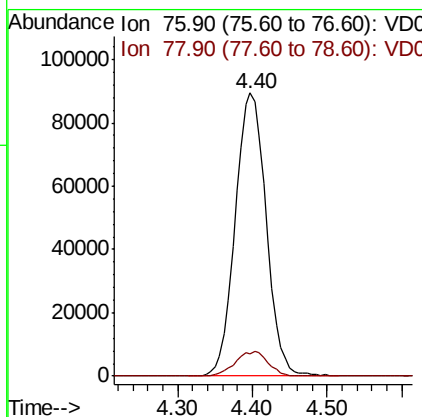
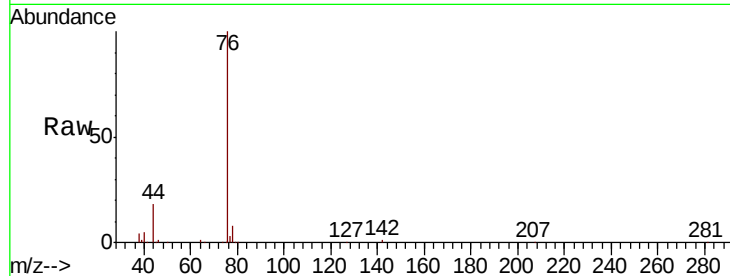
#17
Carbon Disulfide
Concen: 18.138 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.2	10.8

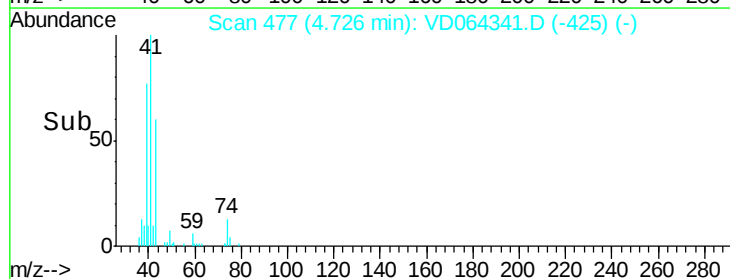
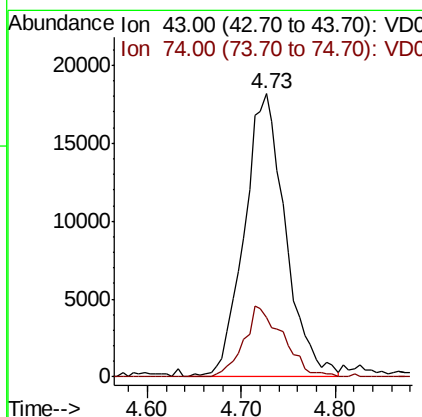
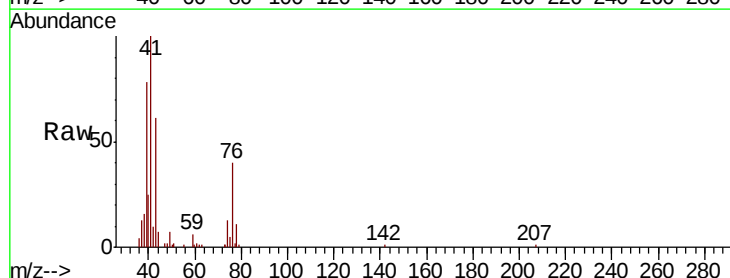
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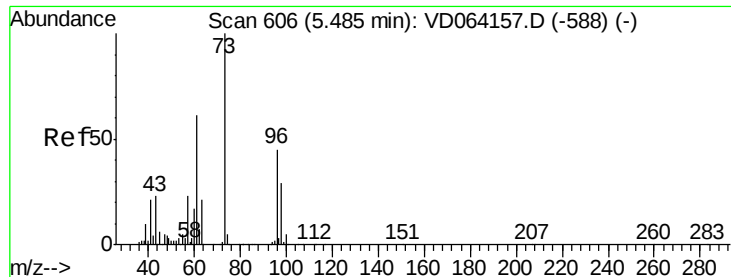
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#18
Methyl Acetate
Concen: 18.639 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	18.4	27.6





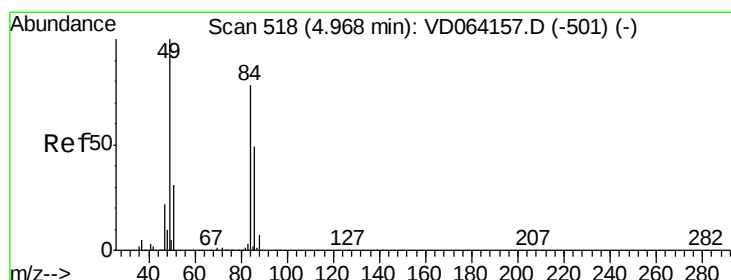
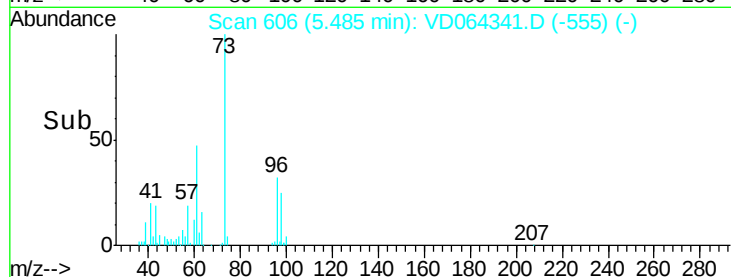
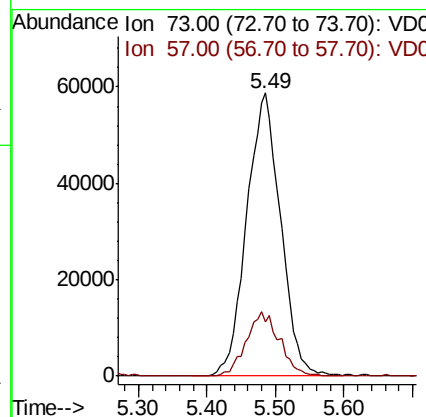
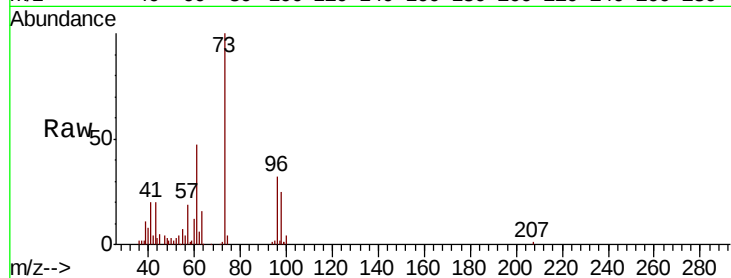
#19
Methvl tert-butvl Ether
Concen: 18.525 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion: 73 Resp: 201786
Ion Ratio Lower Upper
73 100
57 19.4 18.4 27.6

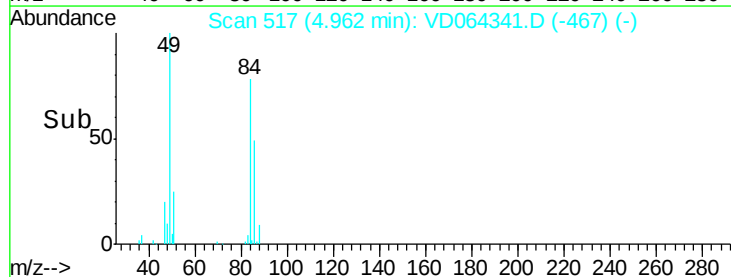
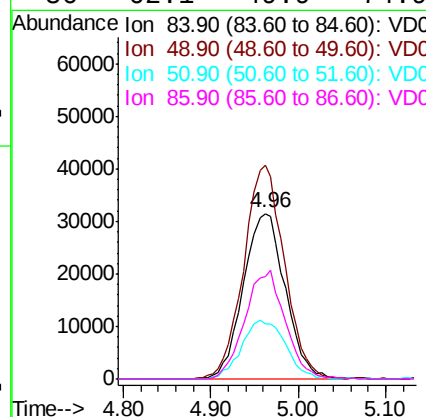
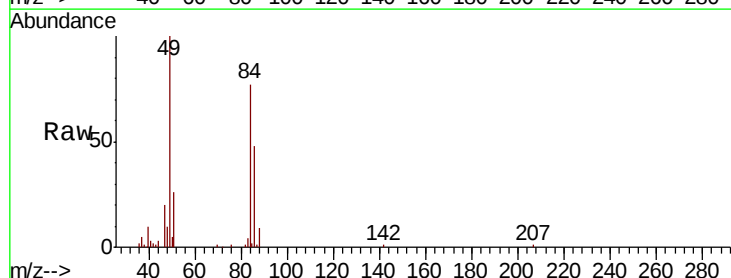
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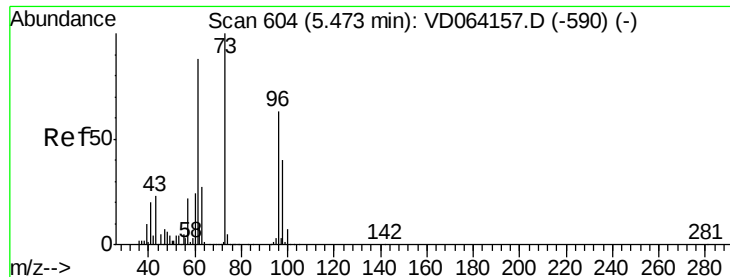
MMDadoda
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#20
Methylene Chloride
Concen: 19.258 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 84 Resp: 102918
Ion Ratio Lower Upper
84 100
49 129.1 102.1 153.1
51 33.4 32.2 48.2
86 62.1 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.940 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 96 Resp: 103081

Ion Ratio Lower Upper

96 100

61 128.4 111.8 167.6

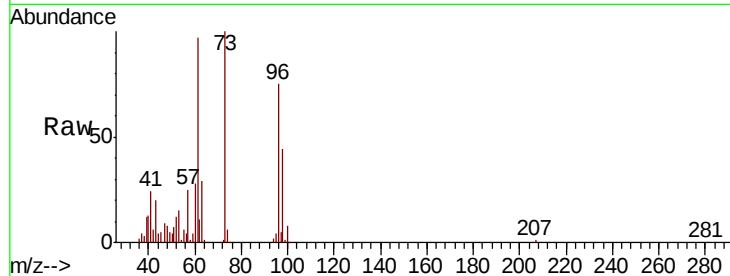
98 58.4 50.3 75.5

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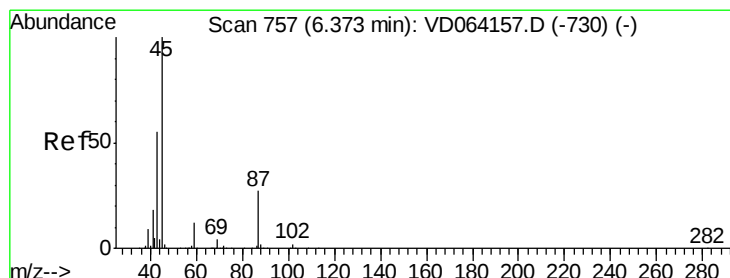
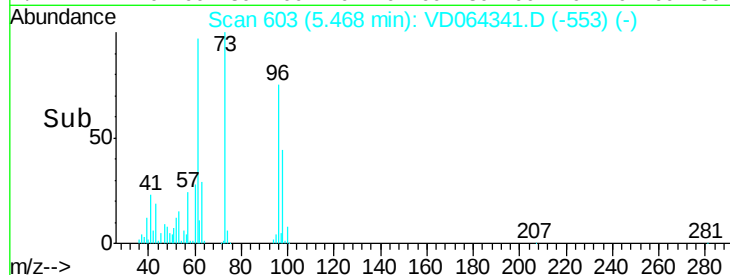
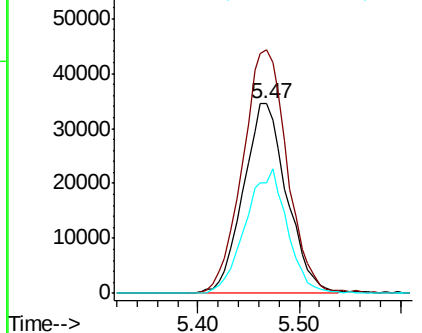
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Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 18.584 ug/l

RT: 6.37 min Scan# 757

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion: 45 Resp: 278174

Ion Ratio Lower Upper

45 100

43 52.4 44.4 66.6

87 28.1 21.9 32.9

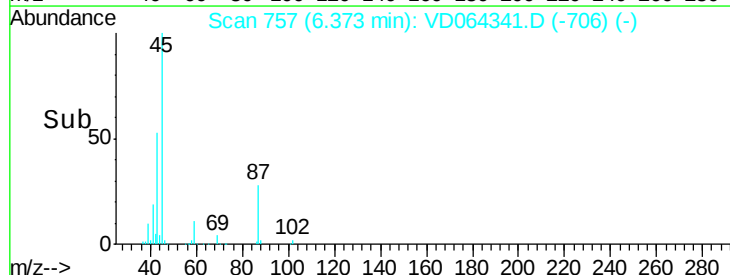
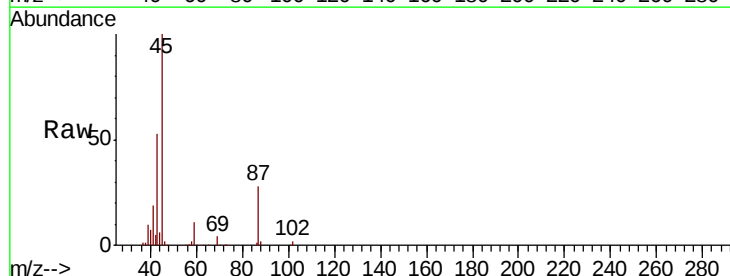
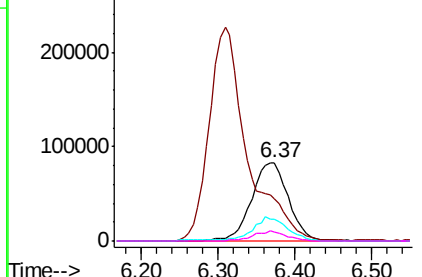
59 10.9 9.4 14.2

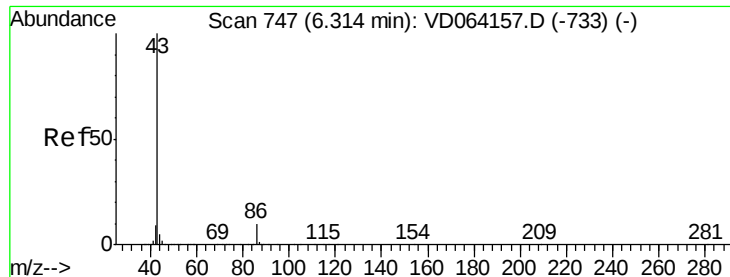
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 93.247 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 43 Resp: 778028

Ion Ratio Lower Upper

43 100

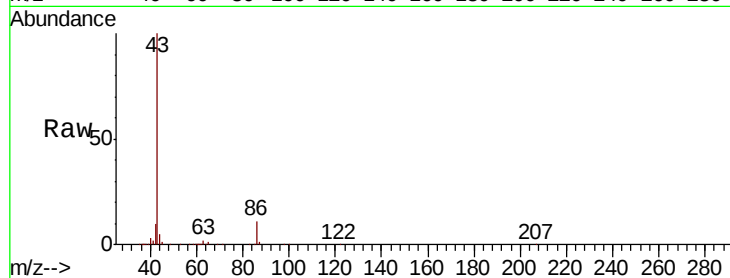
86 11.1 8.2 12.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

250000

200000

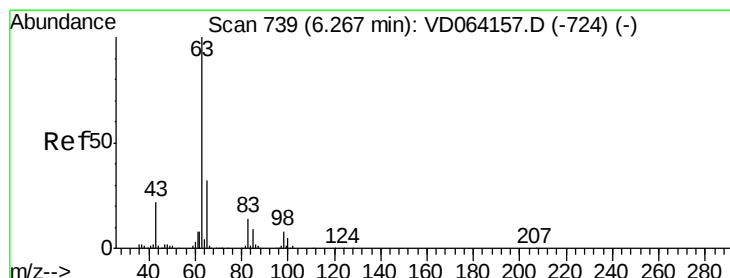
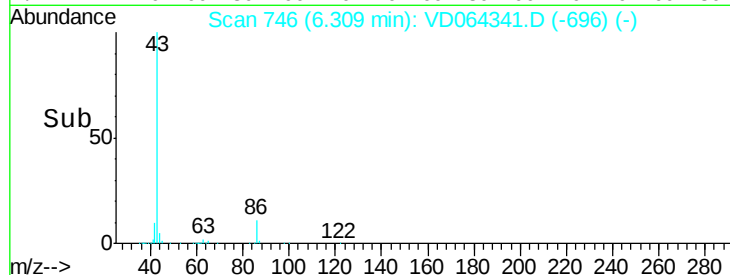
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.962 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

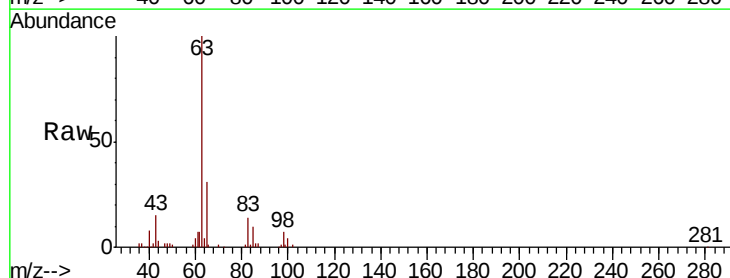
Tgt Ion: 63 Resp: 173493

Ion Ratio Lower Upper

63 100

98 6.6 3.8 11.4

100 4.1 2.4 7.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

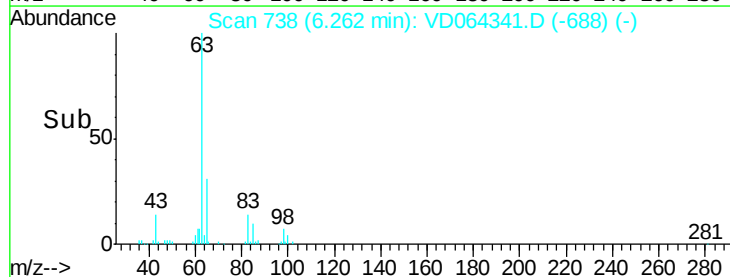
60000

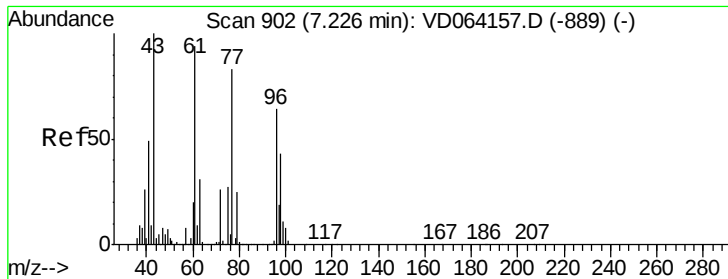
40000

20000

0

Time-->





#25

2-Butanone

Concen: 88.518 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 43 Resp: 120990

Ion Ratio Lower Upper

43 100

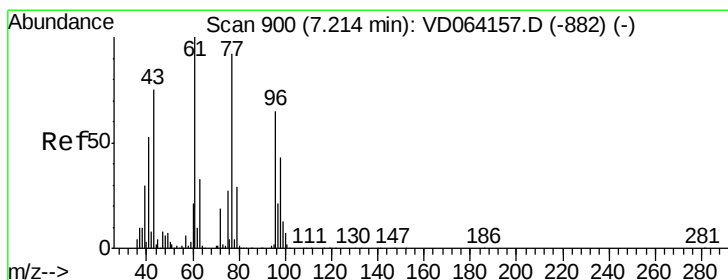
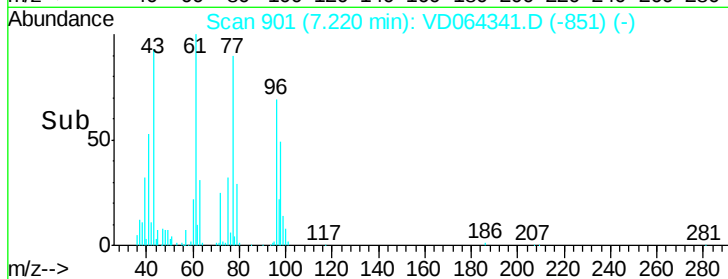
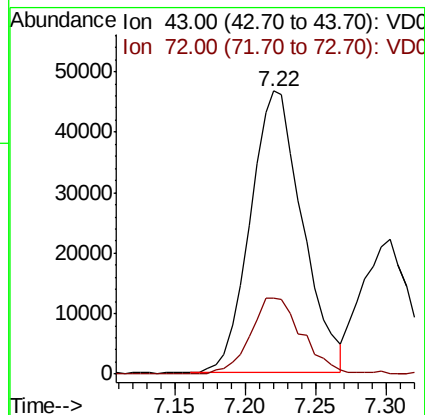
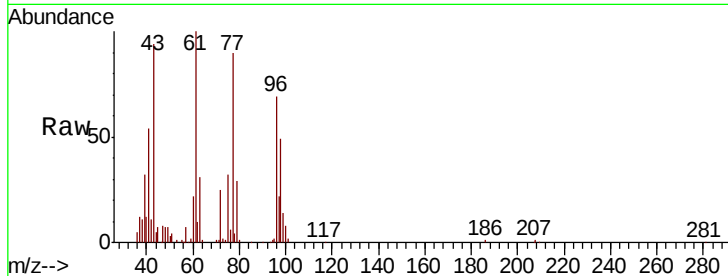
72 26.4 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.927 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064341.D

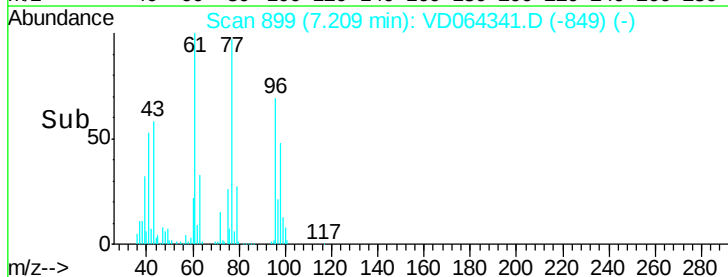
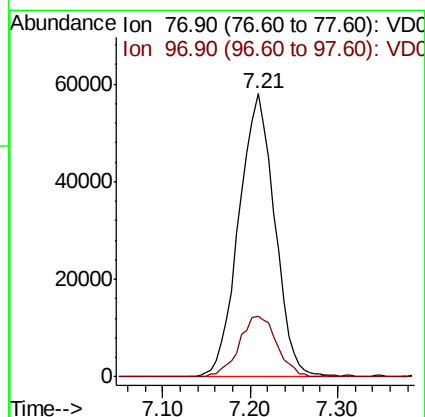
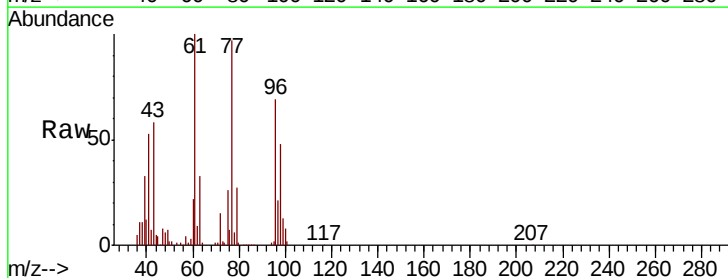
Acq: 22 Nov 2019 12:13

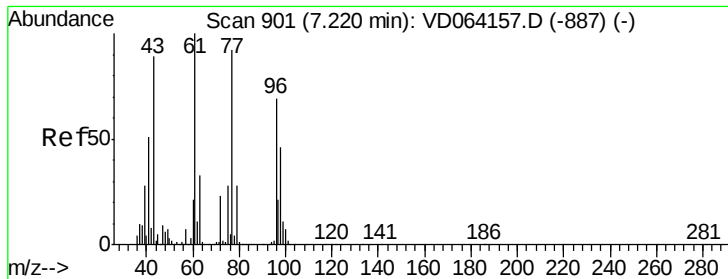
Tgt Ion: 77 Resp: 161320

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3





#27

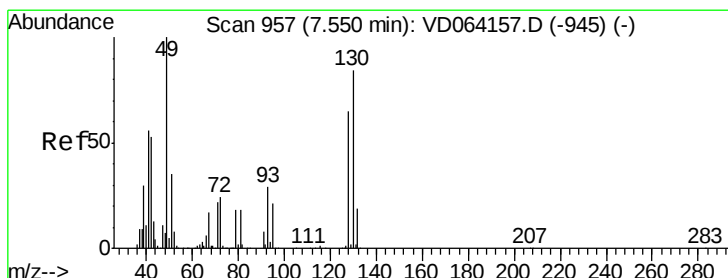
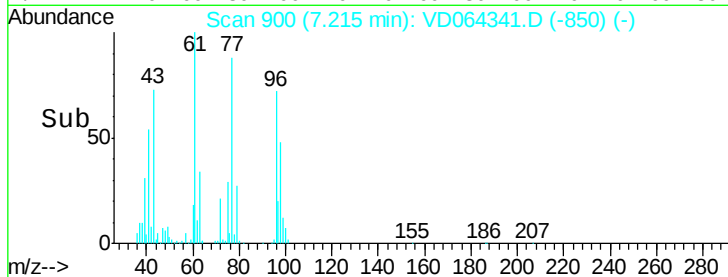
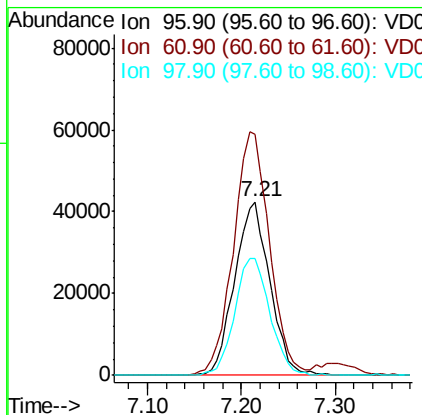
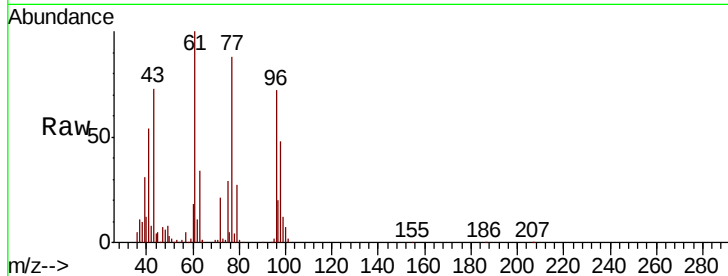
cis-1,2-Dichloroethene
 Concen: 19.847 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	110025		
61	144.0	0.0	301.4	
98	67.4	0.0	133.2	

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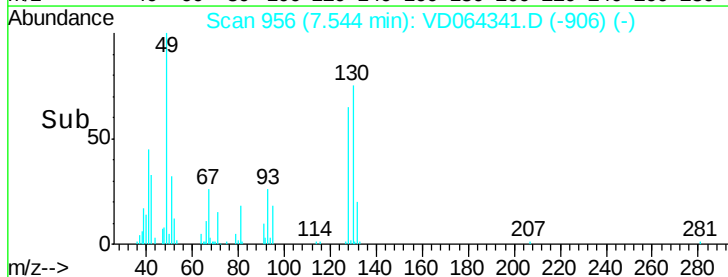
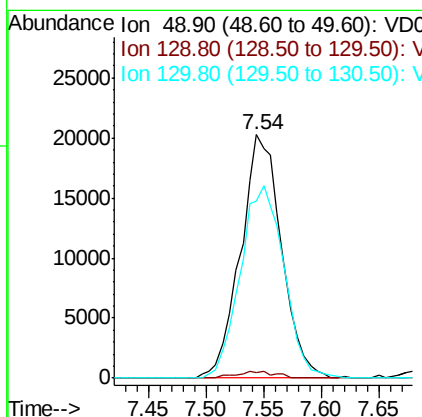
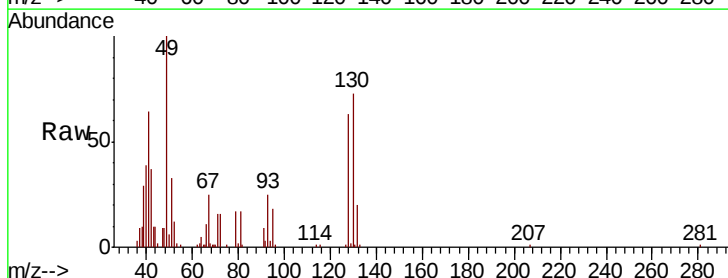
MMDadoda
 11/26/2019 1:34:43 AM

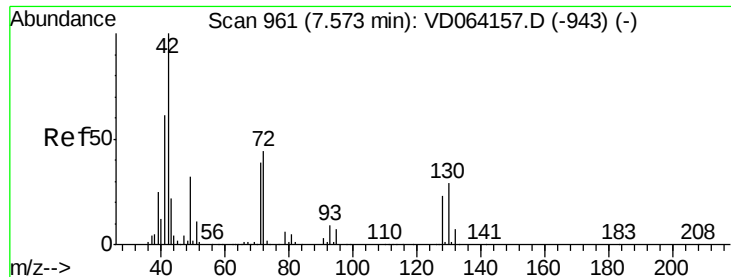


#28

Bromochloromethane
 Concen: 16.490 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	49896		
129	2.5	0.0	4.4	
130	84.5	66.8	100.2	





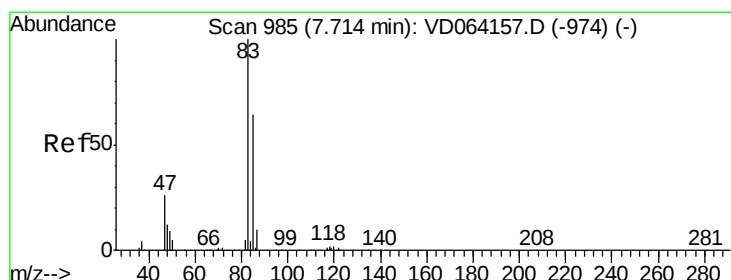
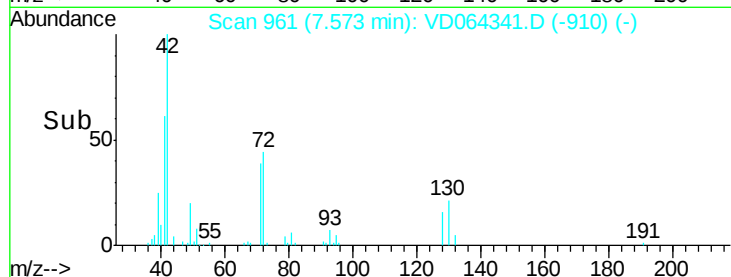
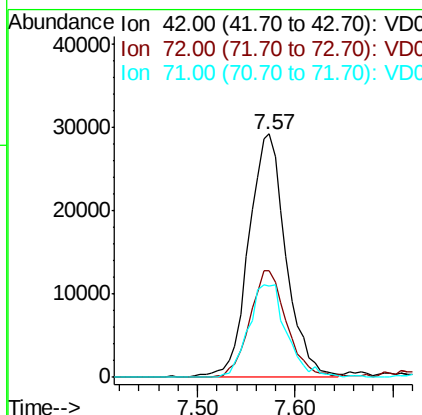
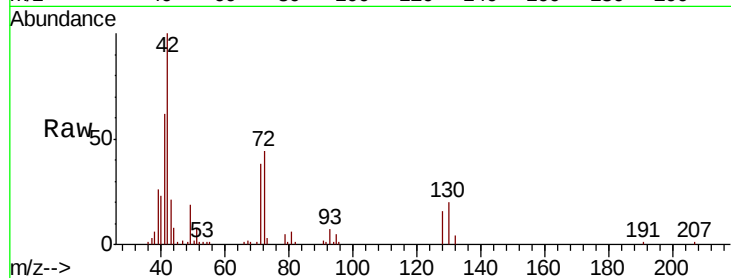
#29
Tetrahydrofuran
Concen: 94.657 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.4	50.2
71	38.7	31.0	46.4

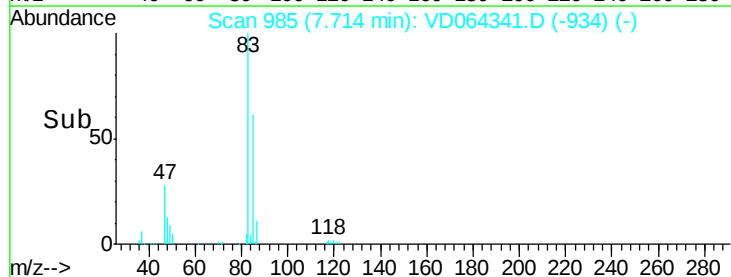
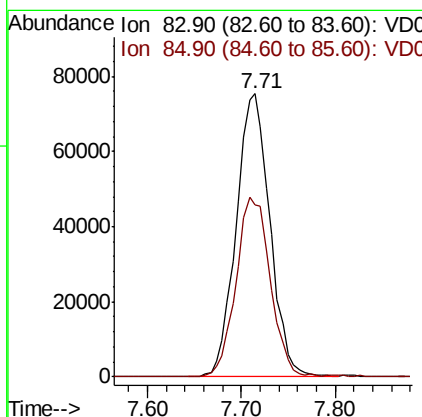
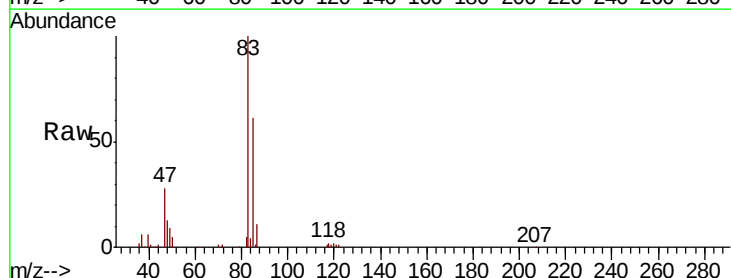
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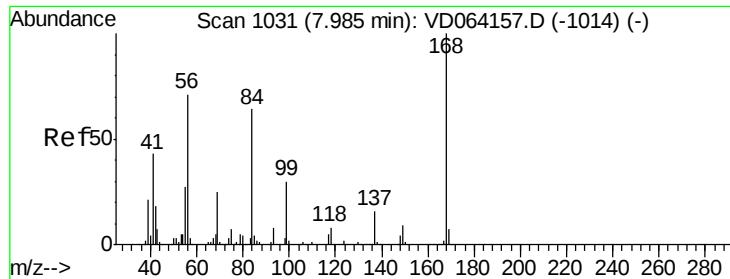
MMDadoda
11/26/2019 1:34:43 AM



#30
Chloroform
Concen: 21.061 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	51.4	77.0





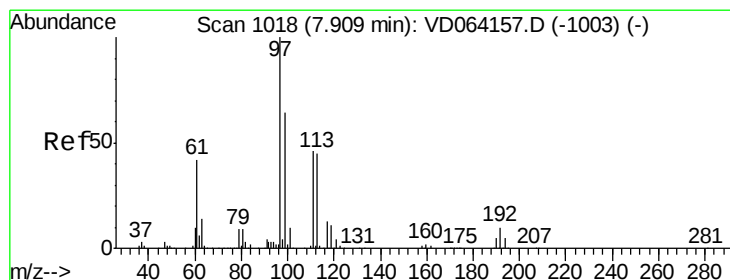
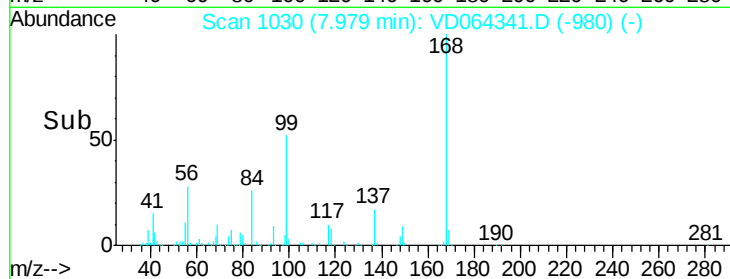
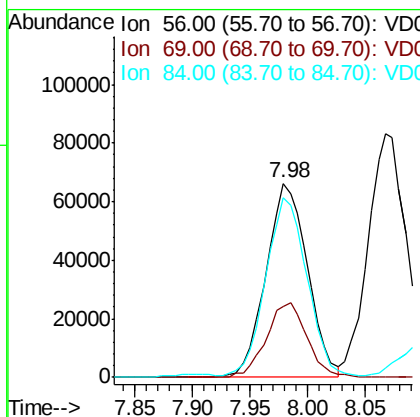
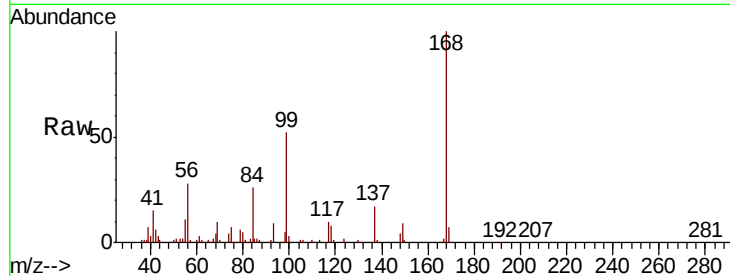
#31
Cyclohexane
Concen: 18.897 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	36.3	28.2	42.4	
84	91.2	71.8	107.6	

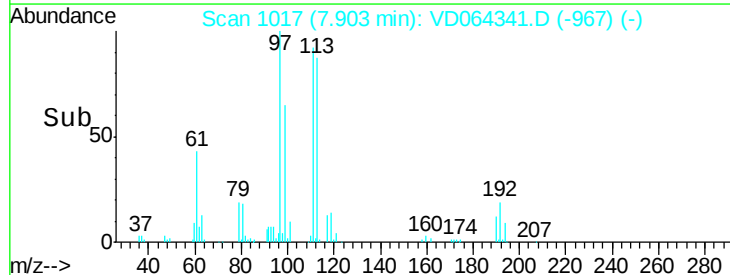
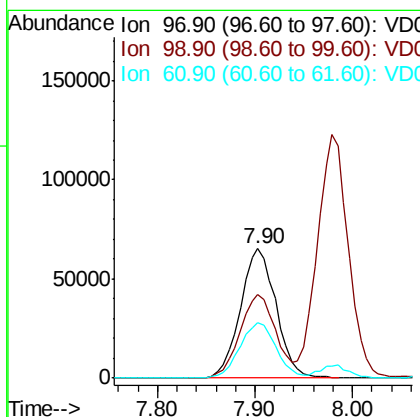
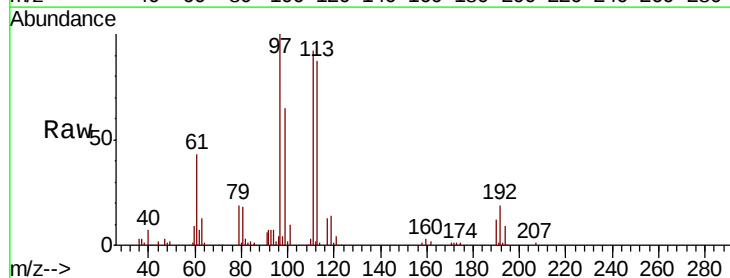
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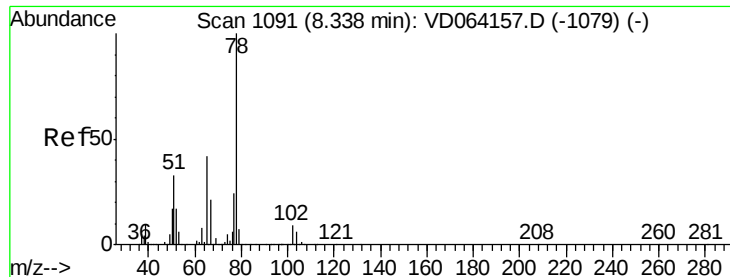
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#32
1,1,1-Trichloroethane
Concen: 19.481 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.8	51.6	77.4	
61	43.5	34.2	51.2	





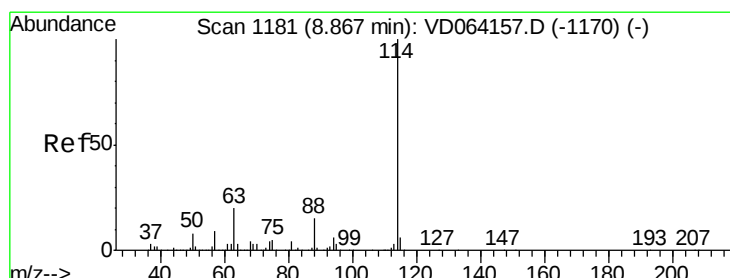
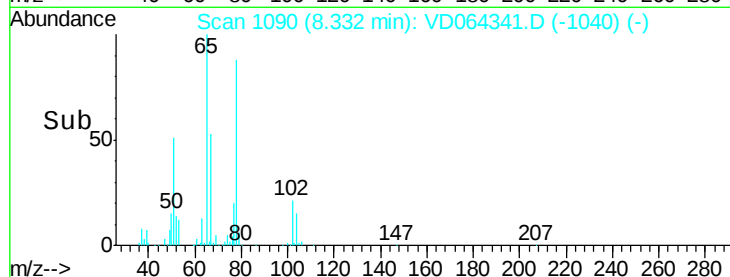
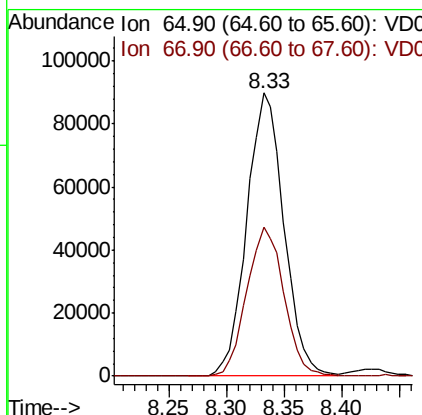
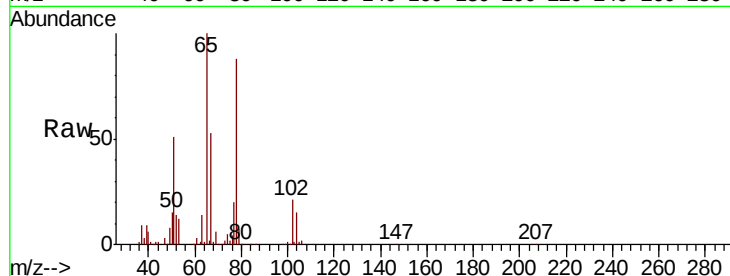
#33
 1,2-Dichloroethane-d4
 Concen: 45.094 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	104.4

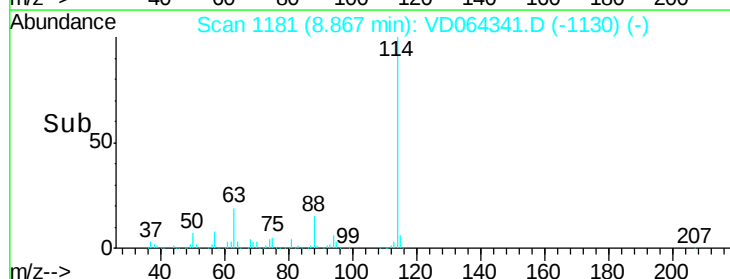
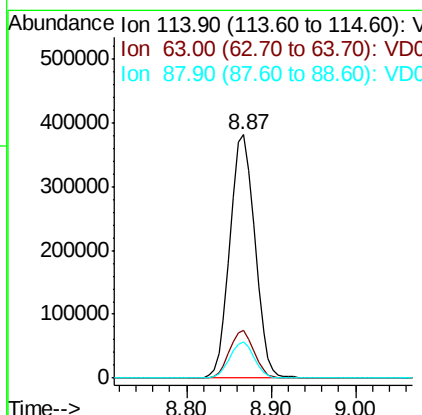
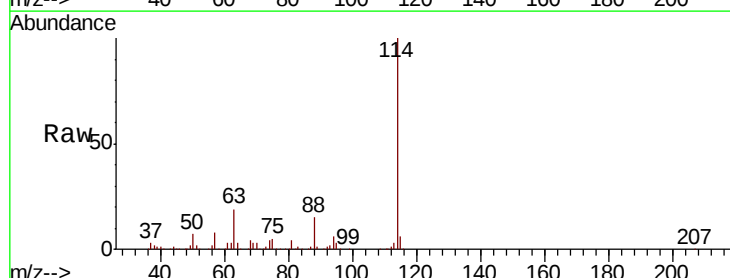
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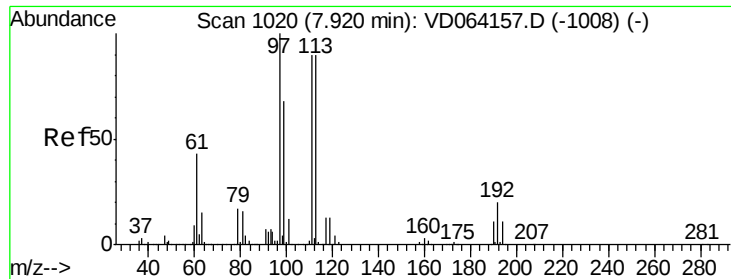
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	14.6	0.0	30.2





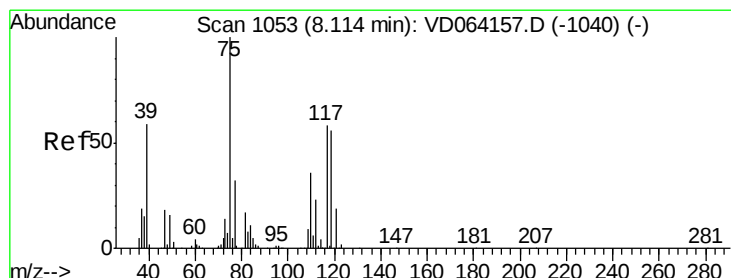
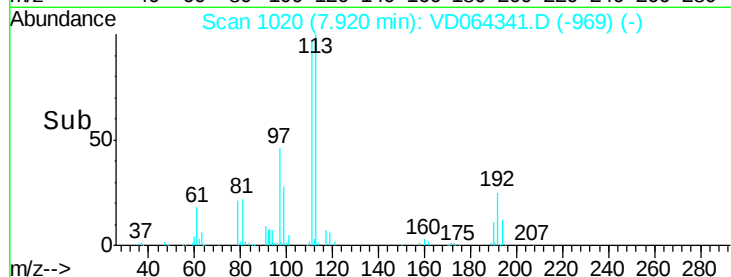
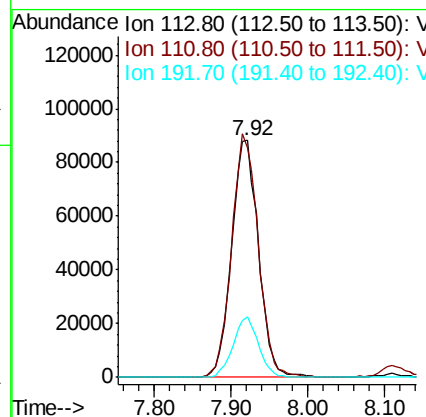
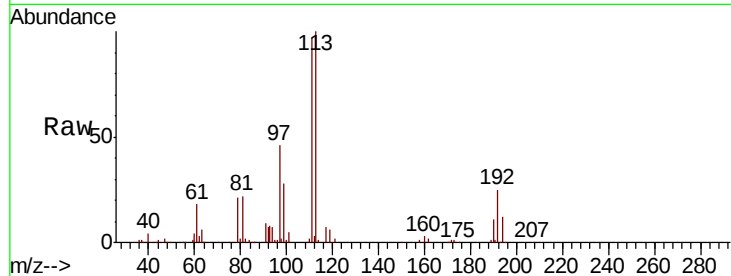
#35
 Dibromofluoromethane
 Concen: 48.271 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	81.5	122.3
192	24.2	18.8	28.2

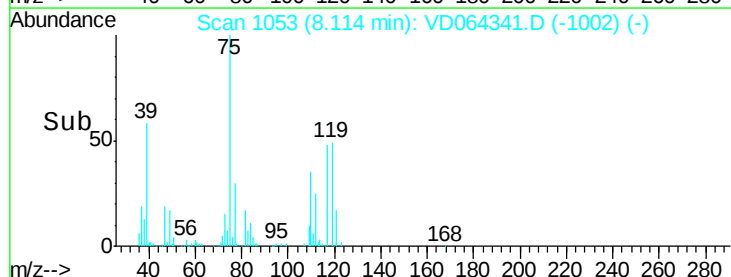
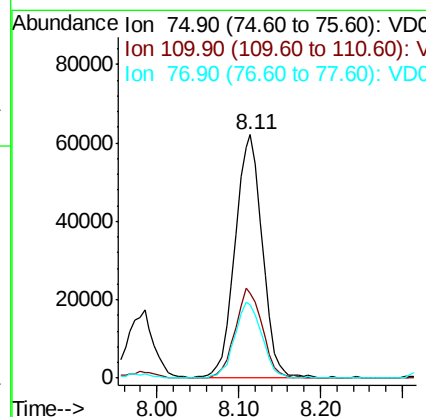
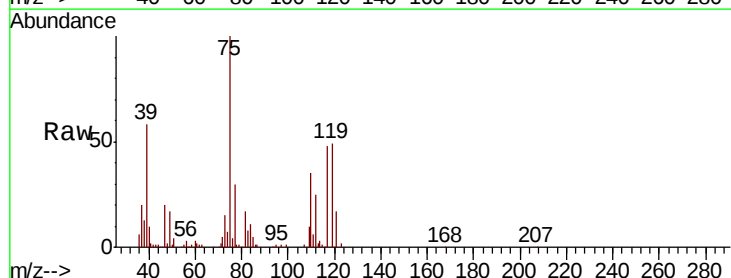
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#36
 1,1-Dichloropropene
 Concen: 20.100 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
110	36.2	18.3	54.9
77	31.1	25.0	37.6





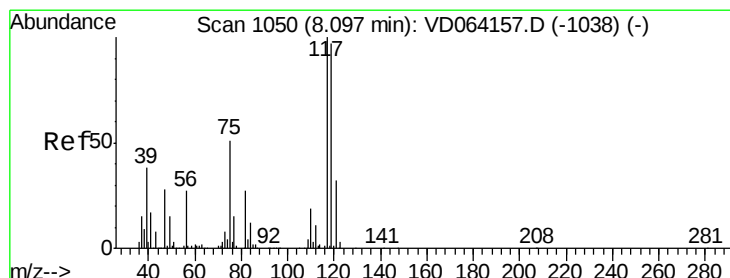
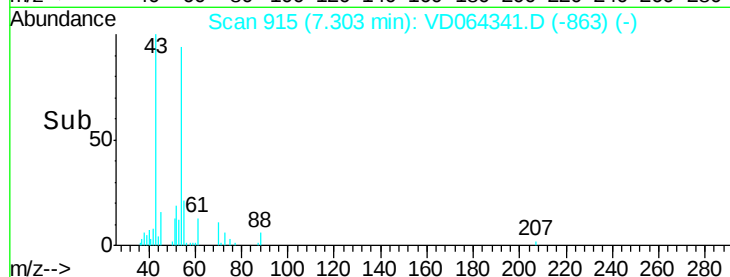
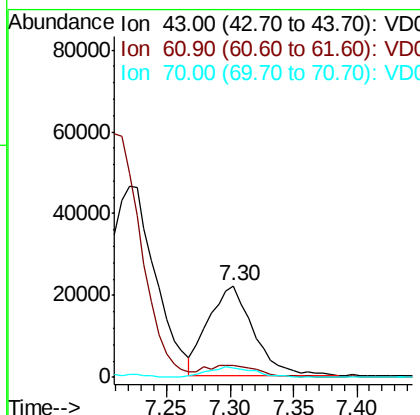
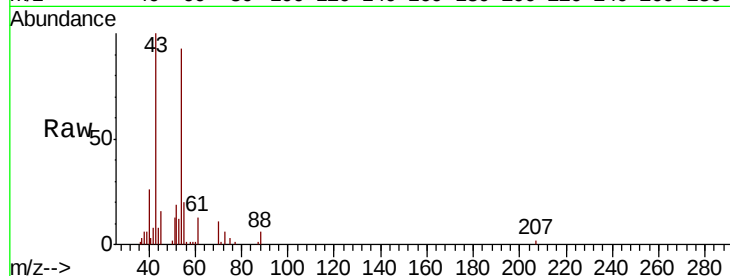
#37
Ethyl Acetate
Concen: 18.145 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	10.2	15.2#
70	11.5	8.5	12.7

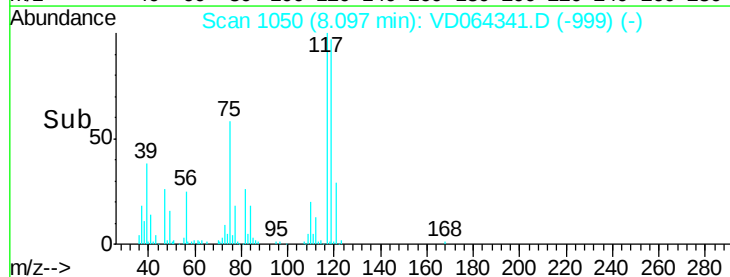
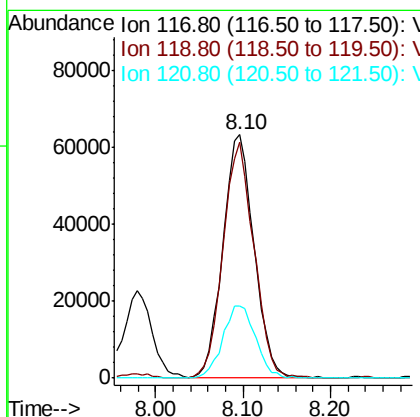
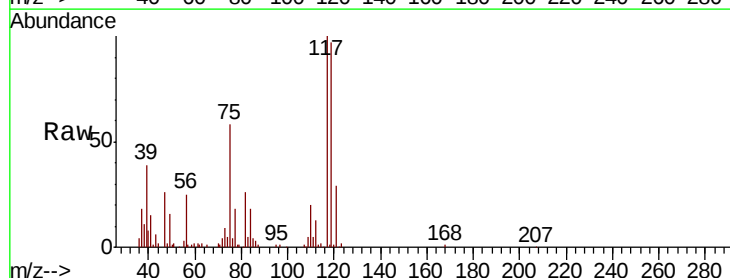
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.059 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	77.2	115.8
121	29.4	25.5	38.3





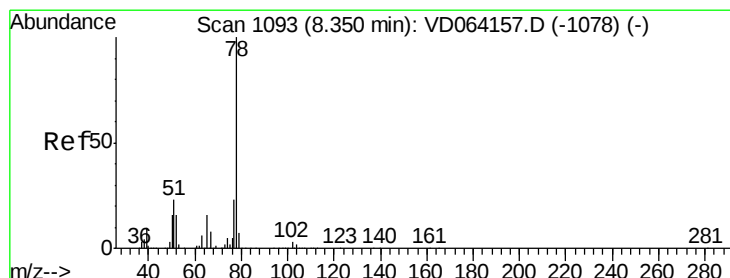
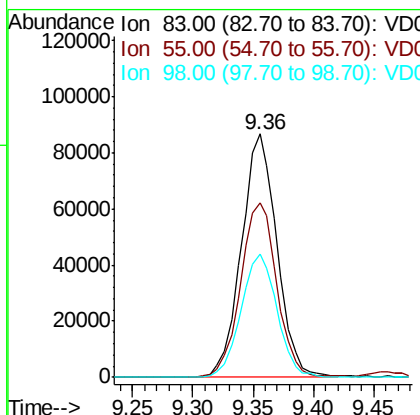
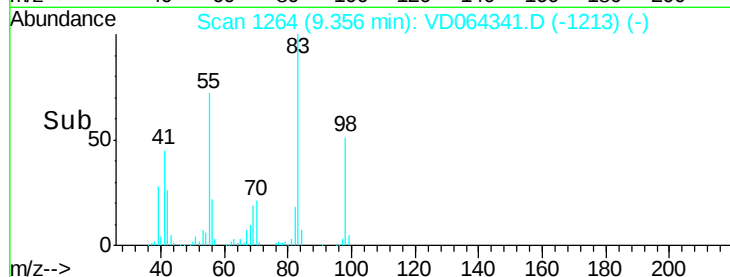
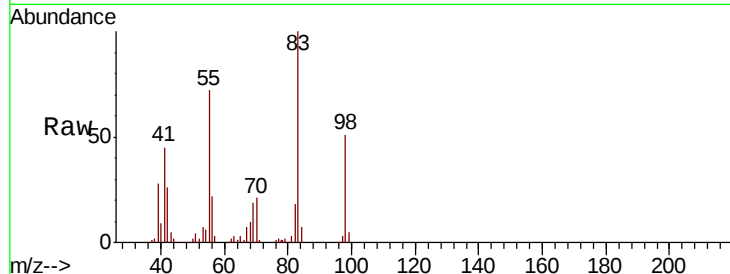
#39
Methvlcvclohexane
Concen: 19.516 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	71.7	61.7	92.5
98	50.9	38.6	58.0

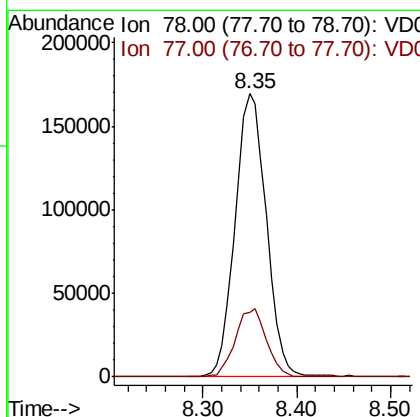
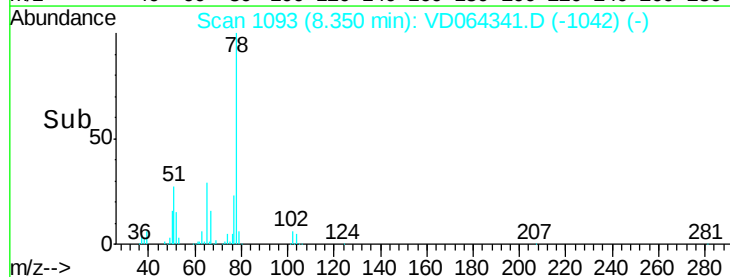
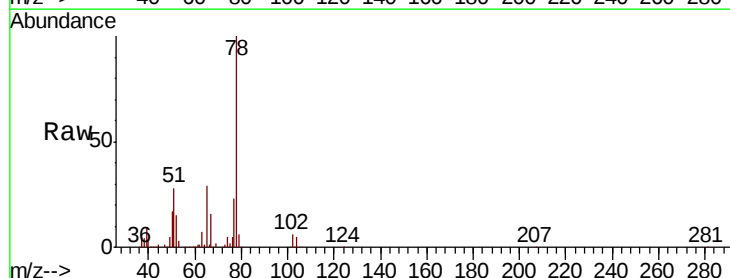
Manual Integrations
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#40
Benzene
Concen: 19.923 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.6	28.0





#41

Methacrylonitrile

Concen: 15.240 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 41 Resp: 29055

Ion Ratio Lower Upper

41 100

39 75.1 49.4 74.2#

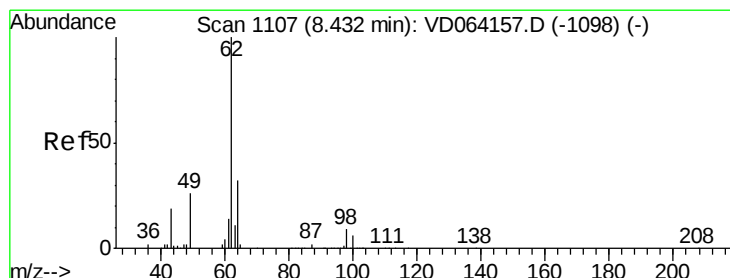
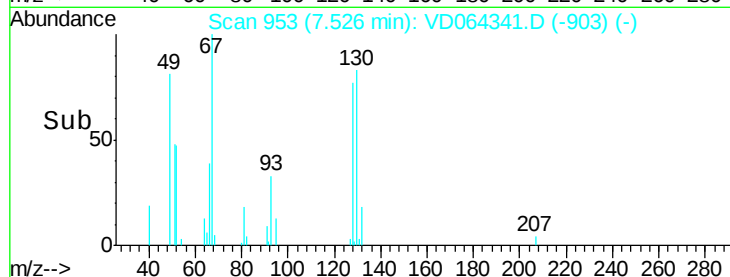
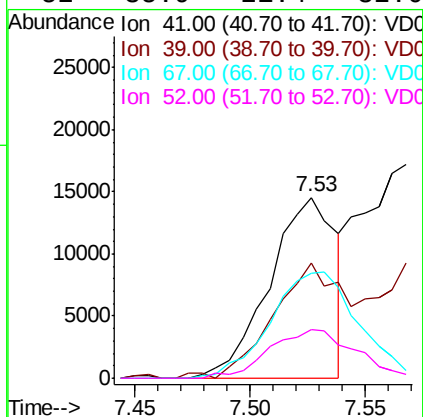
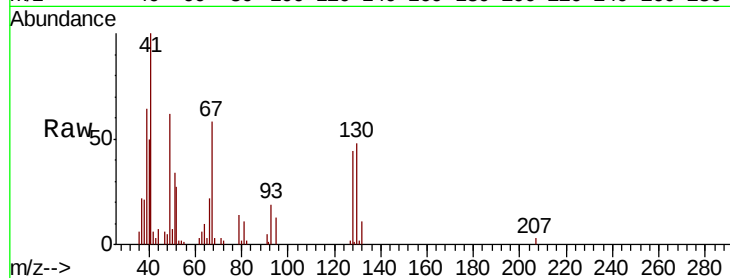
67 78.3 49.6 74.4#

52 35.9 21.4 32.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.172 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD064341.D

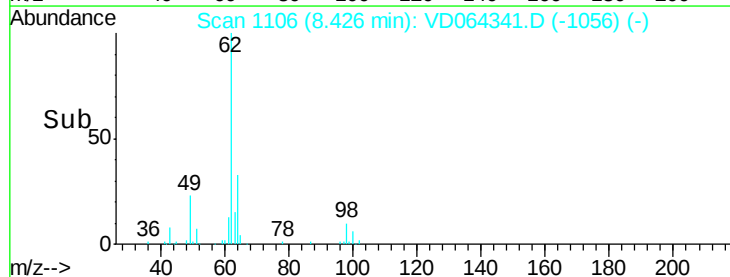
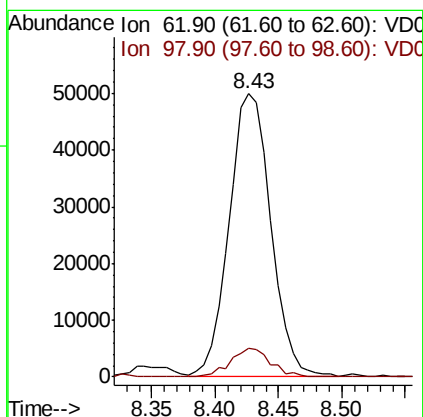
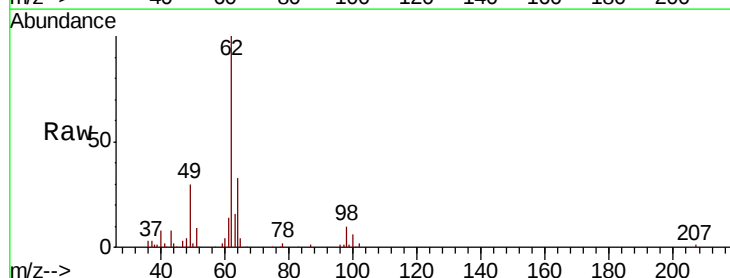
Acq: 22 Nov 2019 12:13

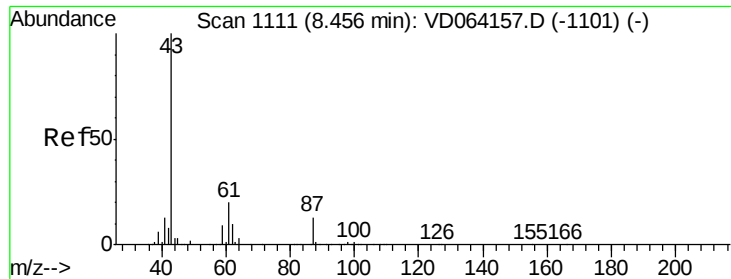
Tgt Ion: 62 Resp: 113232

Ion Ratio Lower Upper

62 100

98 9.7 0.0 19.0





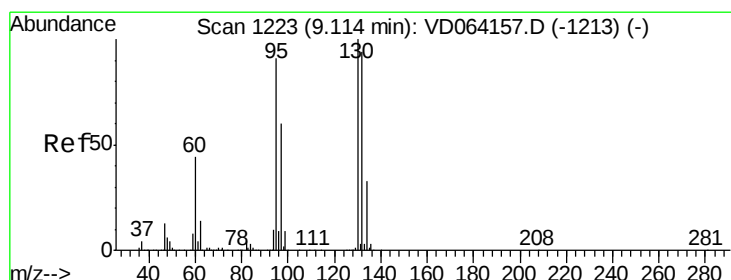
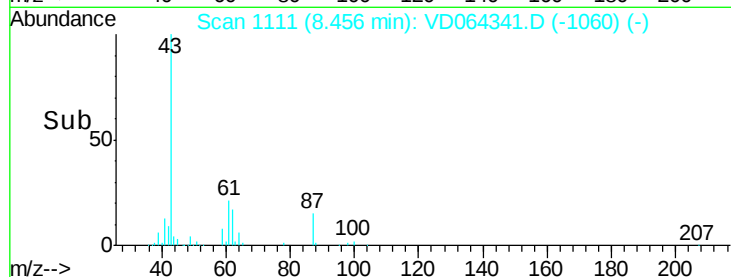
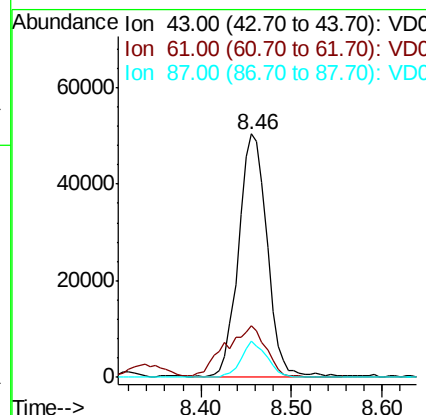
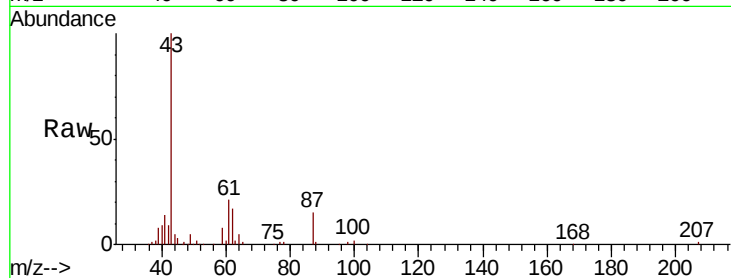
#43
Isopropyl Acetate
Concen: 17.758 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.2	22.9	34.3
87	13.2	10.2	15.2

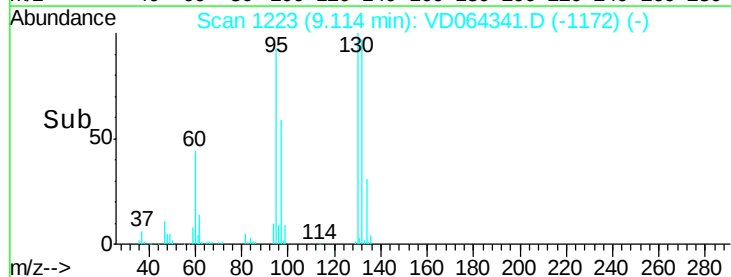
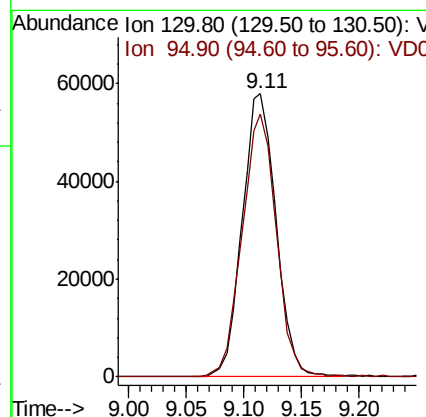
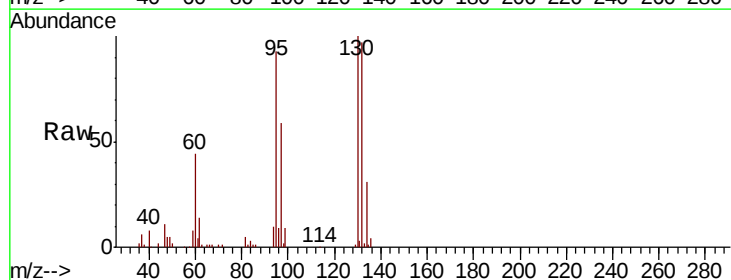
Manual Integrations
APPROVED

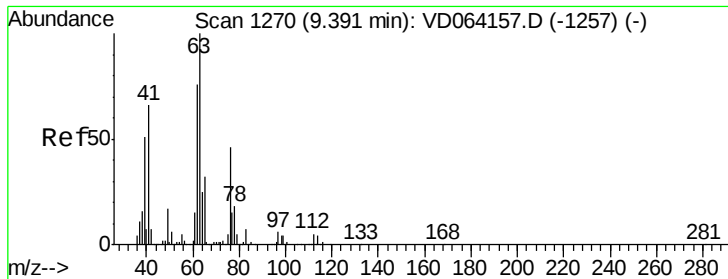
MMDadoda
11/26/2019 1:34:43 AM



#44
Trichloroethene
Concen: 19.947 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	181.6





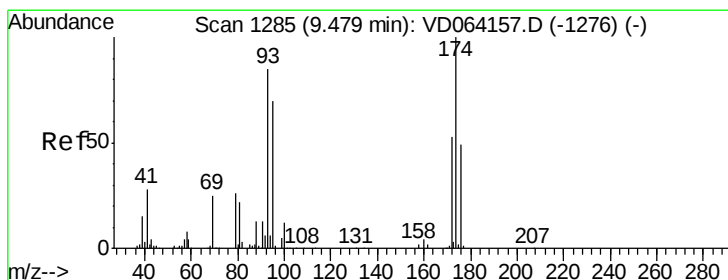
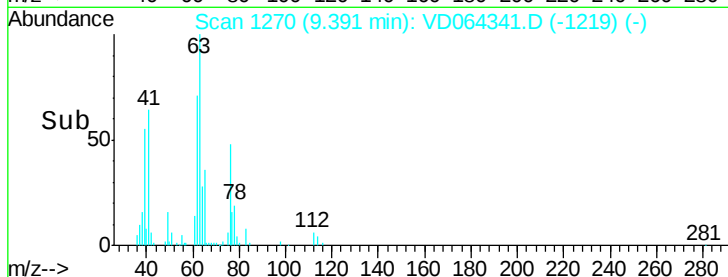
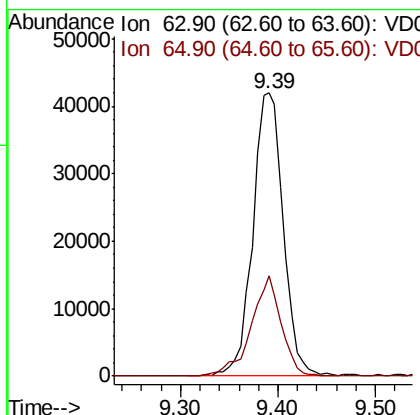
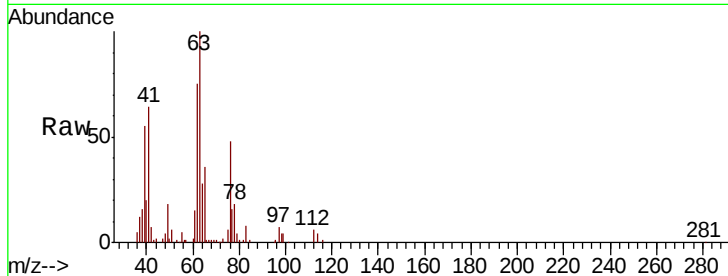
#45
 1,2-Dichloropropane
 Concen: 19.216 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion	63	Resp	91972
Ion Ratio	Lower	Upper	
63	100		
65	35.7	25.7	38.5

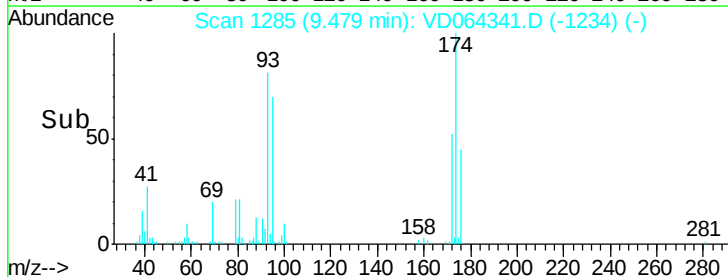
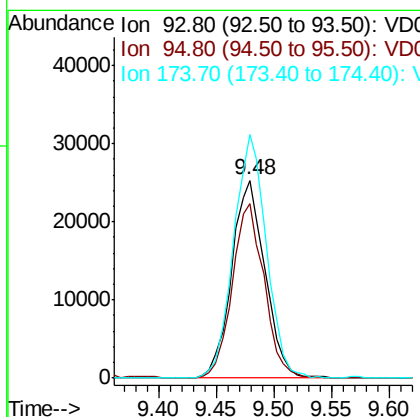
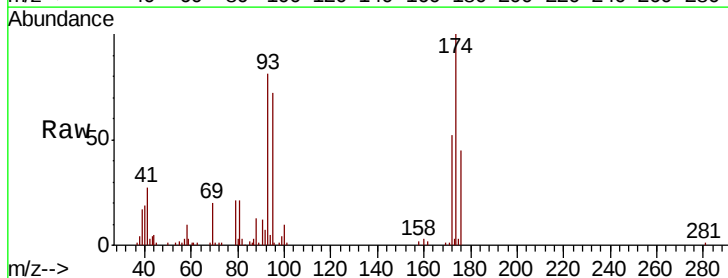
Manual Integrations
 APPROVED

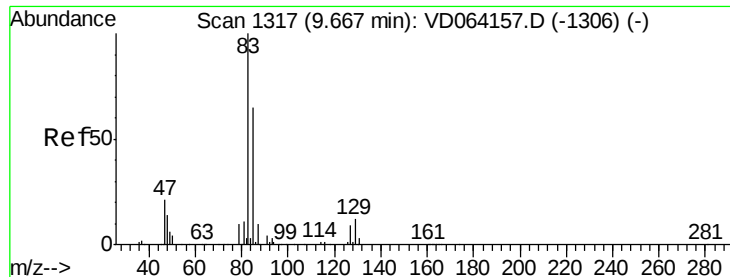
MMDadoda
 11/26/2019 1:34:43 AM



#46
 Dibromomethane
 Concen: 19.831 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	93	Resp	50815
Ion Ratio	Lower	Upper	
93	100		
95	84.1	65.5	98.3
174	120.9	93.9	140.9





#47

Bromodichloromethane

Concen: 19.301 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

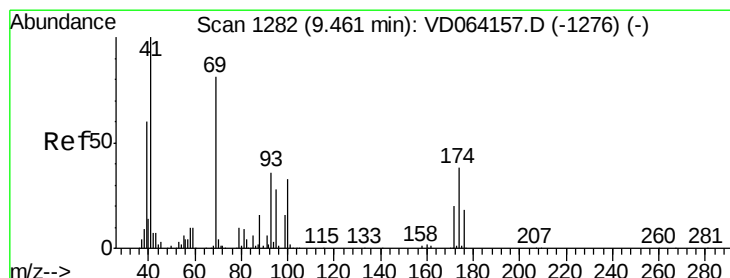
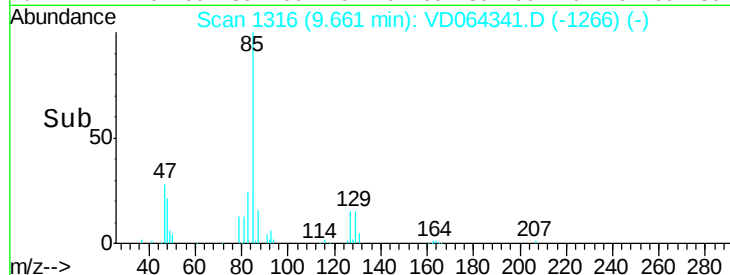
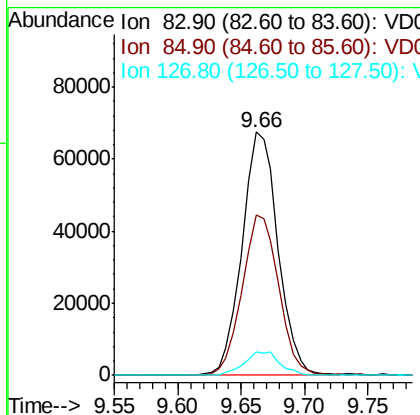
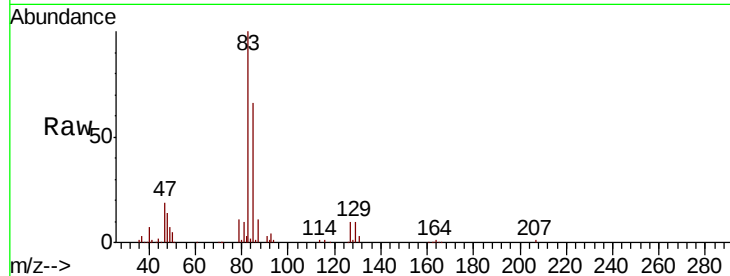
ClientSampleId :

VD1122SBS01

Tot Ion:	83	Resp:	133218
Ion	Ratio	Lower	Upper
83	100		
85	65.9	52.2	78.4
127	9.8	7.5	11.3

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:43 AM



#48

Methyl methacrylate

Concen: 17.066 ug/l

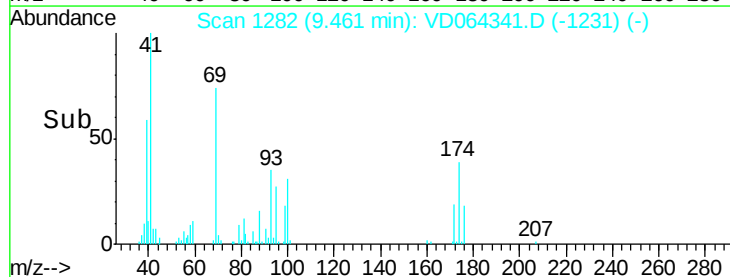
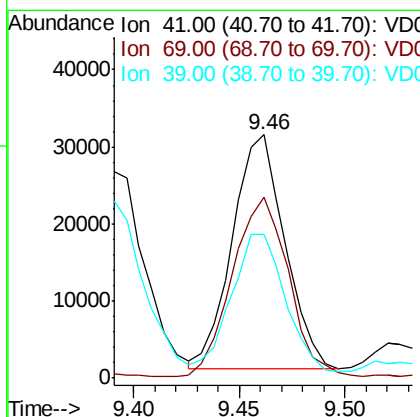
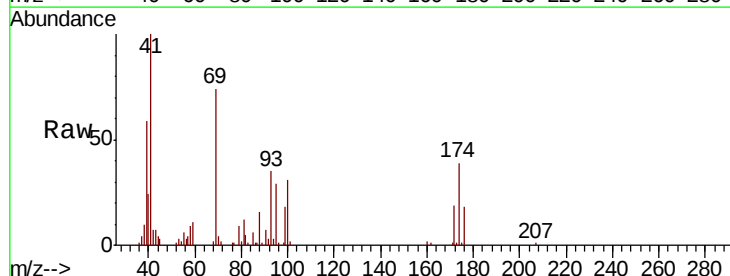
RT: 9.46 min Scan# 1282

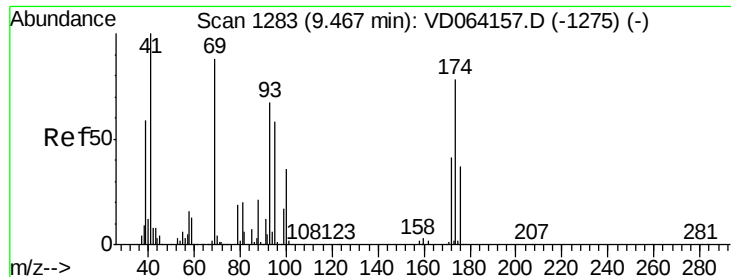
Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion:	41	Resp:	52153
Ion	Ratio	Lower	Upper
41	100		
69	82.6	64.6	97.0
39	60.7	48.2	72.2





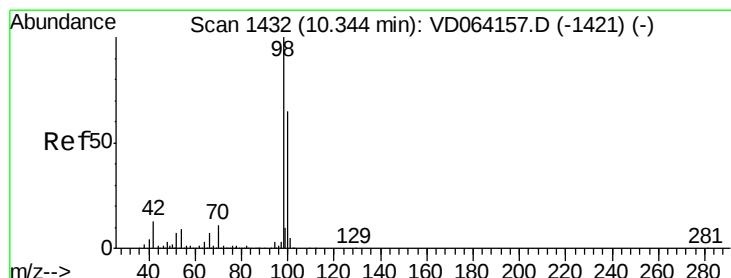
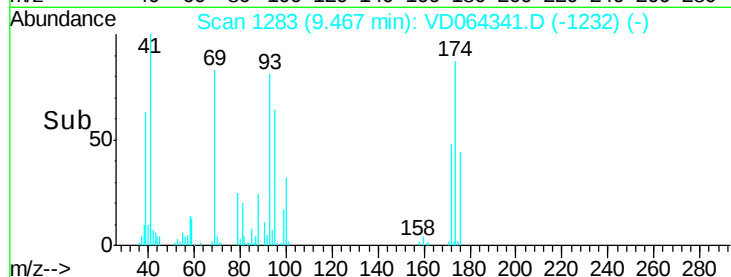
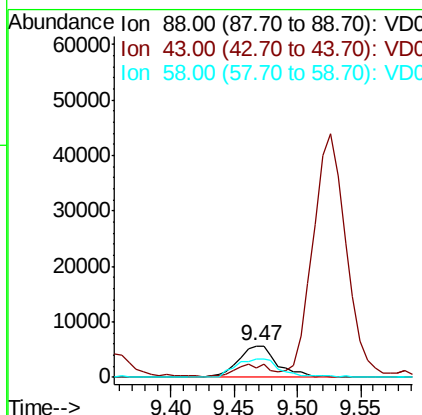
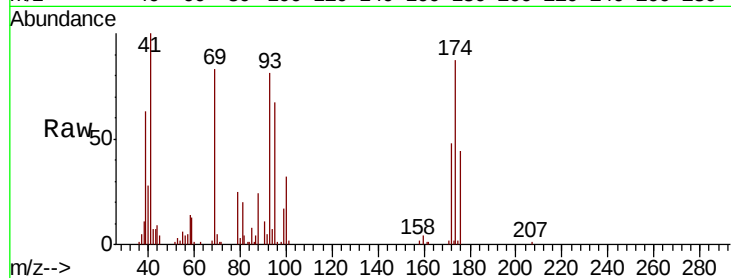
#49
1,4-Dioxane
Concen: 395.664 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.1	29.8	44.8
58	67.4	58.1	87.1

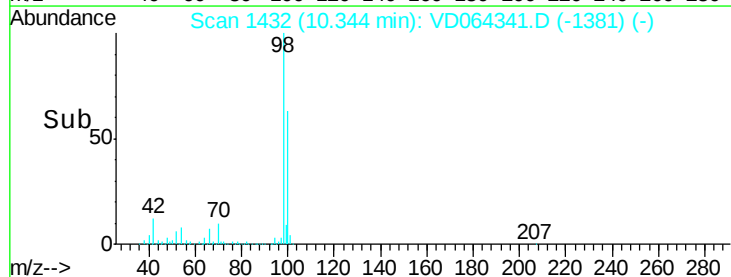
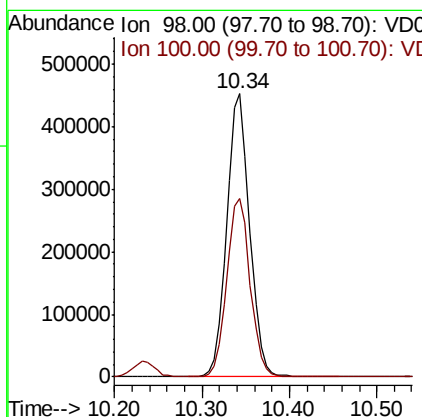
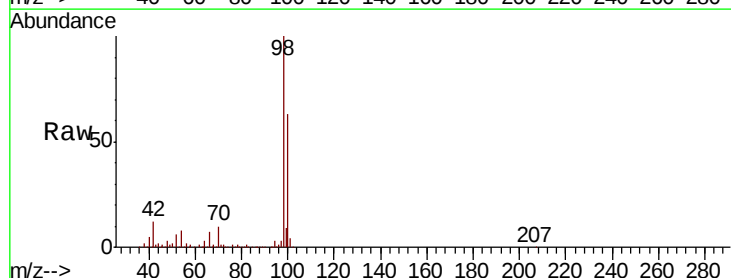
Manual Integrations
APPROVED

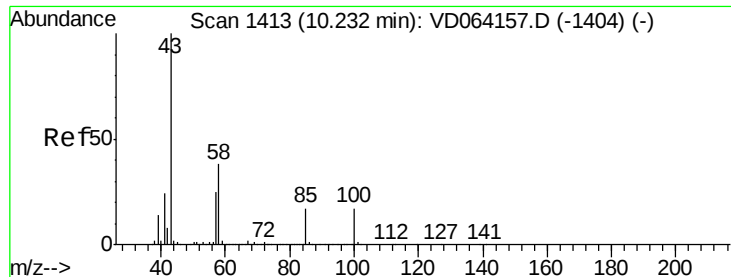
MMDadoda
11/26/2019 1:34:43 AM



#50
Toluene-d8
Concen: 47.812 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 90.681 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 43 Resp: 271774

Ion Ratio Lower Upper

43 100

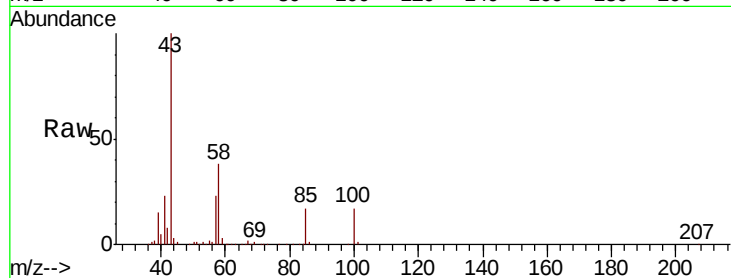
58 38.5 30.2 45.4

Manual Integrations

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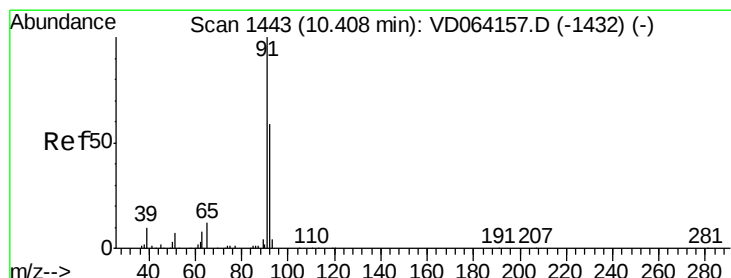
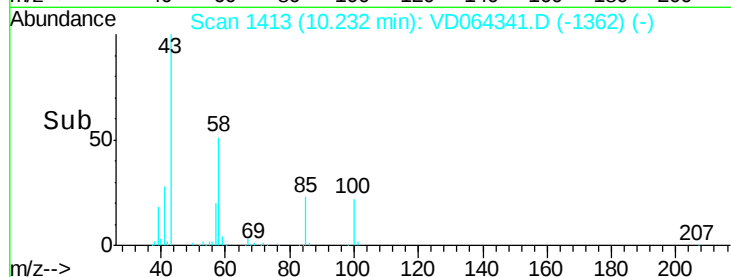
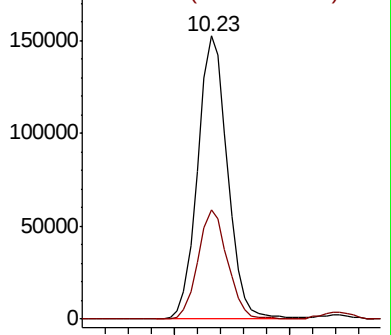
MMDadoda

11/26/2019 1:34:43 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 19.772 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD064341.D

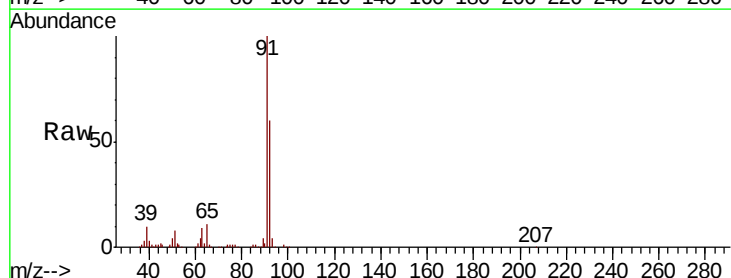
Acq: 22 Nov 2019 12:13

Tgt Ion: 92 Resp: 255661

Ion Ratio Lower Upper

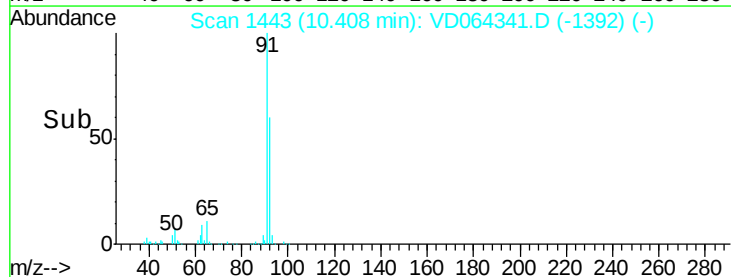
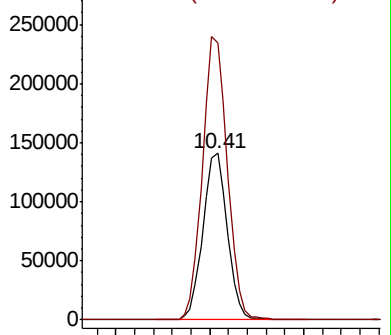
92 100

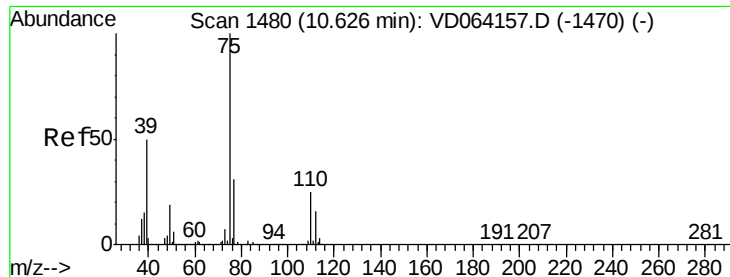
91 172.5 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





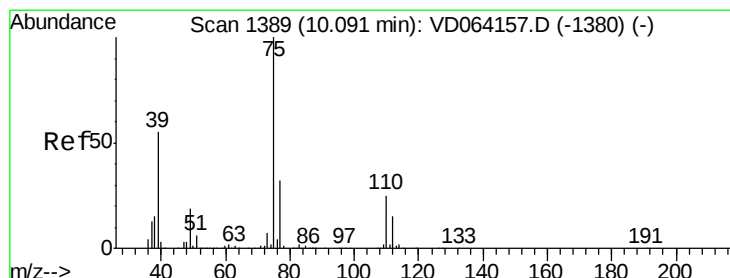
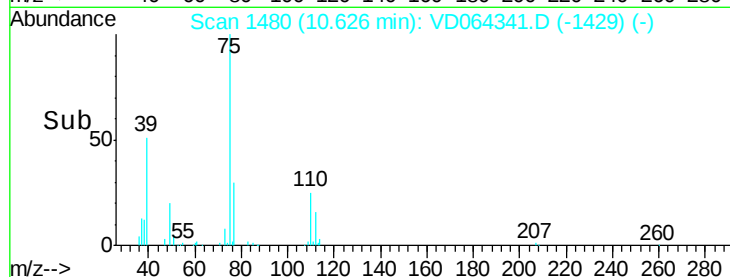
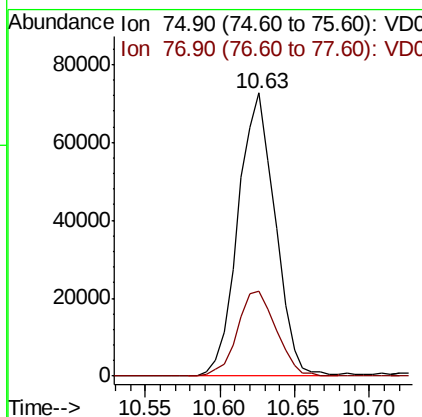
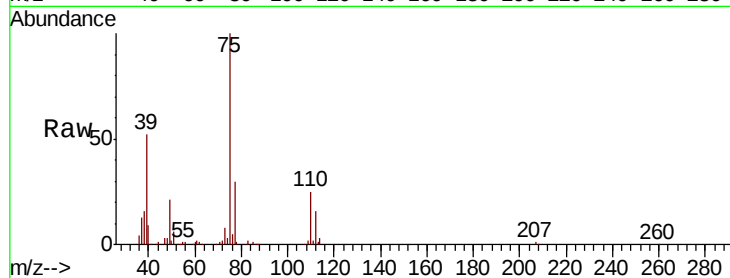
#53
t-1,3-Dichloropropene
Concen: 18.100 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.0	24.7	37.1

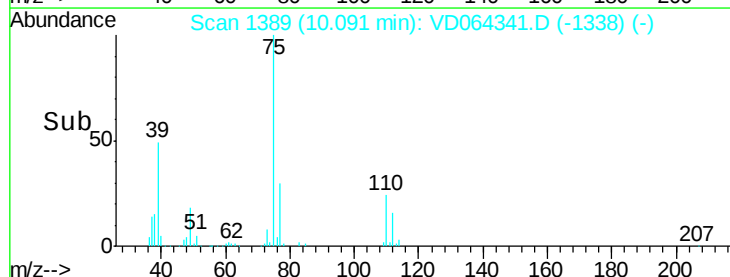
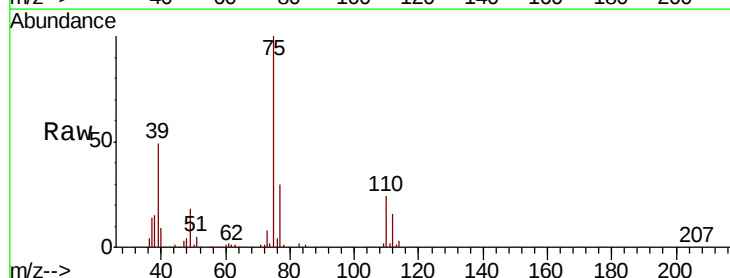
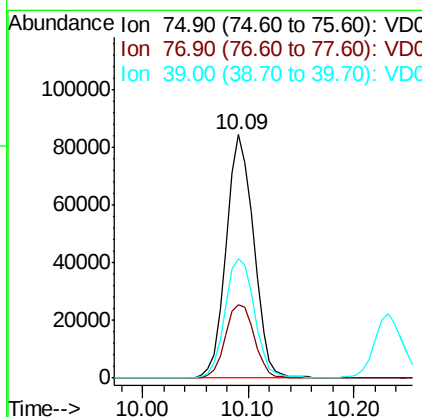
Manual Integrations
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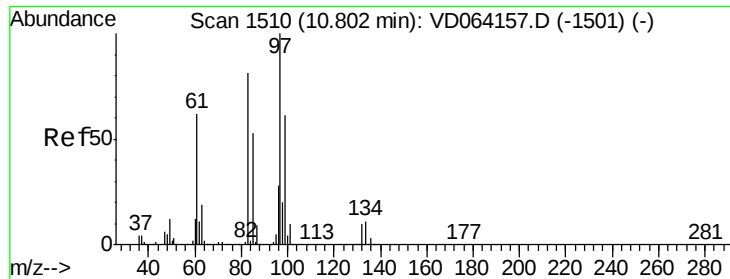
MMDadoda
11/26/2019 1:34:43 AM



#54
cis-1,3-Dichloropropene
Concen: 18.828 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.2	37.8
39	49.0	44.2	66.2





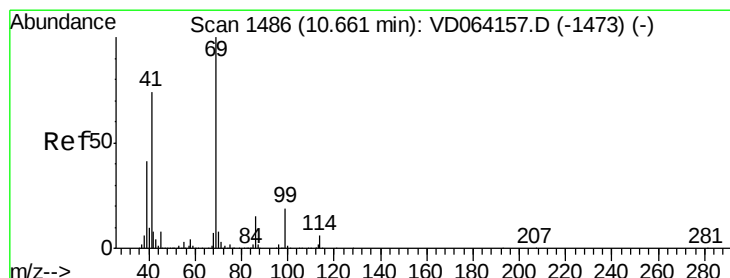
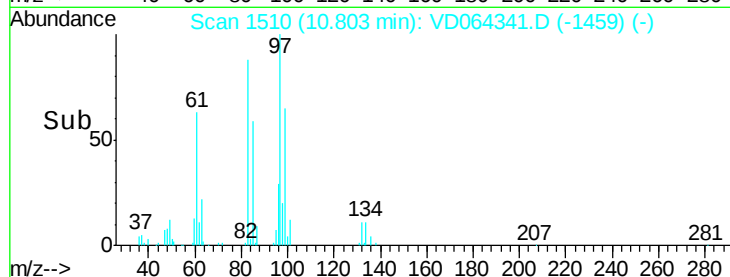
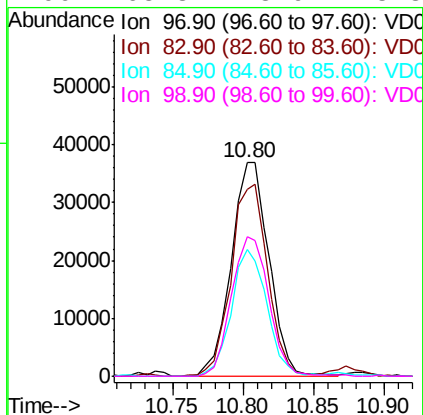
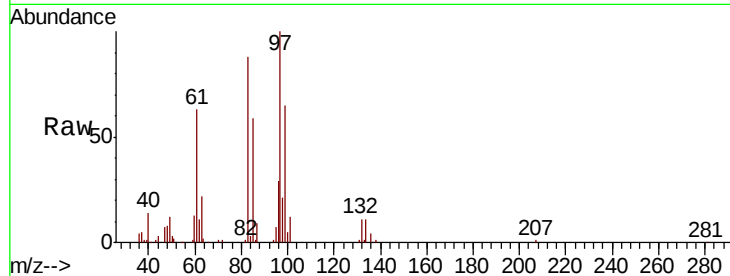
#55
 1,1,2-Trichloroethane
 Concen: 19.817 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion:	97	Resp:	68884
Ion	Ratio	Lower	Upper
97	100		
83	87.1	65.1	97.7
85	59.3	42.0	63.0
99	65.3	48.9	73.3

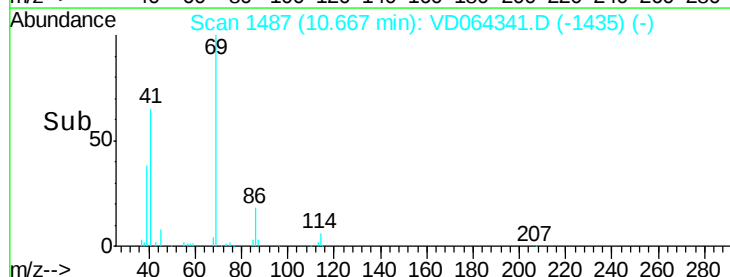
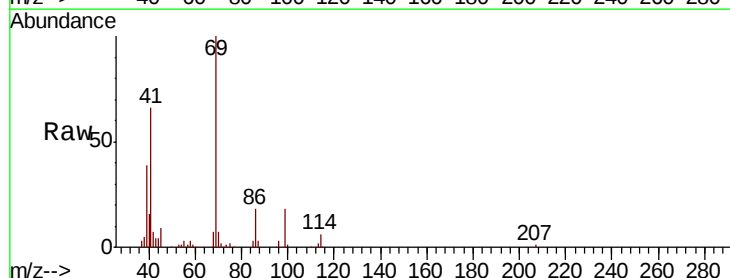
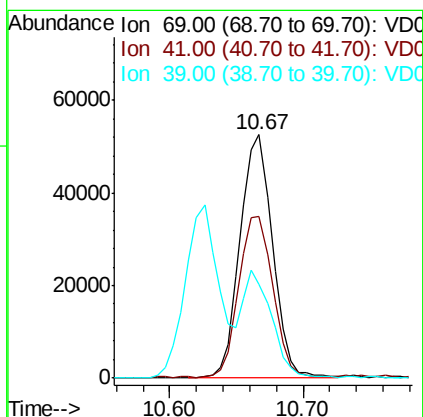
Manual Integrations
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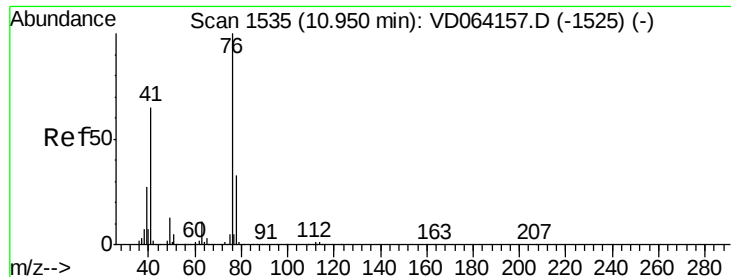
MMDadoda
 11/26/2019 1:34:43 AM



#56
 Ethyl methacrylate
 Concen: 18.310 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion:	69	Resp:	89033
Ion	Ratio	Lower	Upper
69	100		
41	69.0	57.9	86.9
39	37.9	29.0	43.4





#57

1,3-Dichloropropane

Concen: 19.920 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 76 Resp: 120758

Ion Ratio Lower Upper

76 100

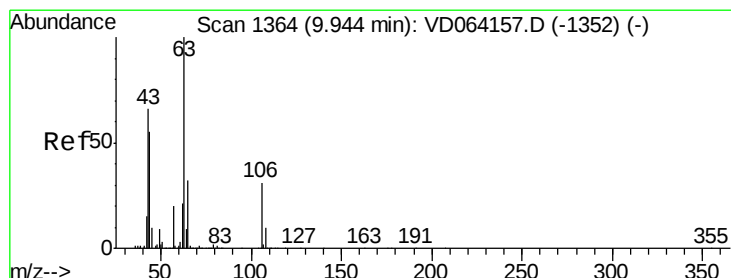
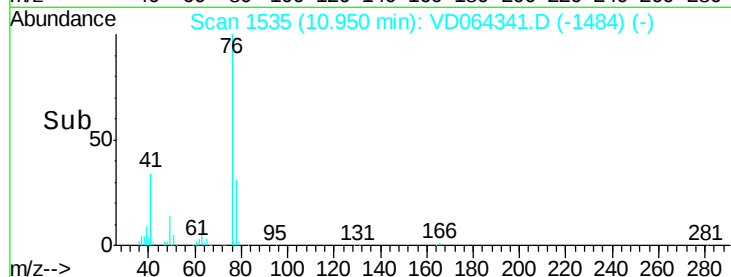
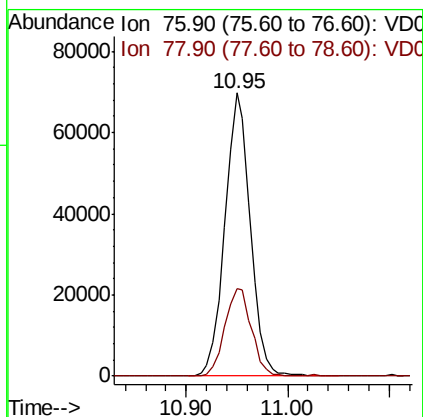
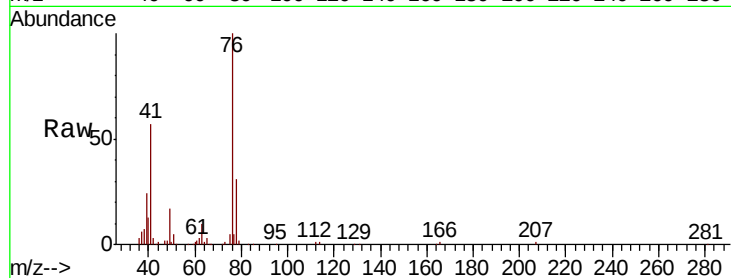
78 32.6 26.2 39.4

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:43 AM



#58

2-Chloroethyl Vinyl ether

Concen: 95.483 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD064341.D

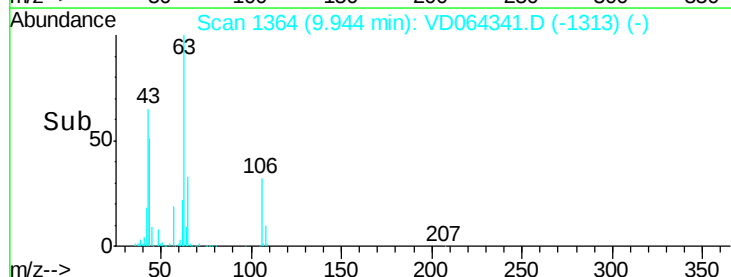
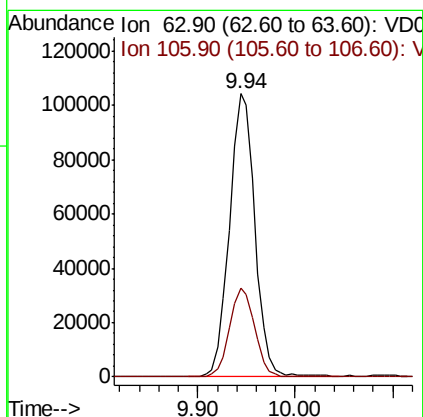
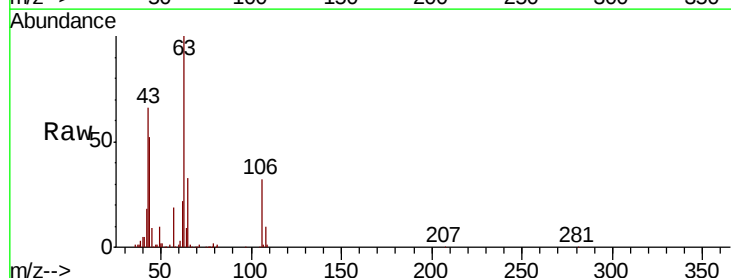
Acq: 22 Nov 2019 12:13

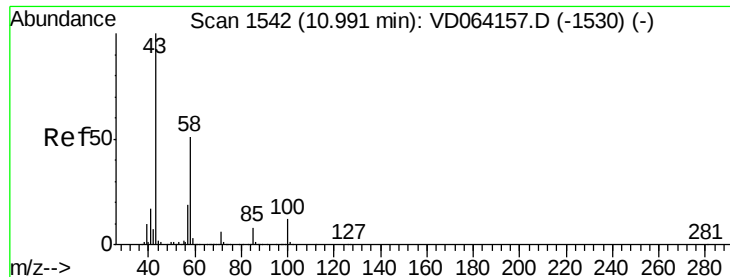
Tgt Ion: 63 Resp: 188069

Ion Ratio Lower Upper

63 100

106 31.0 24.1 36.1





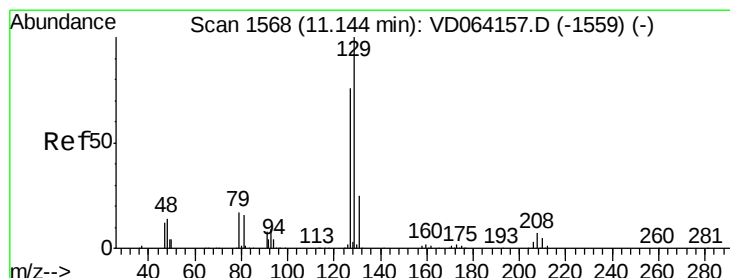
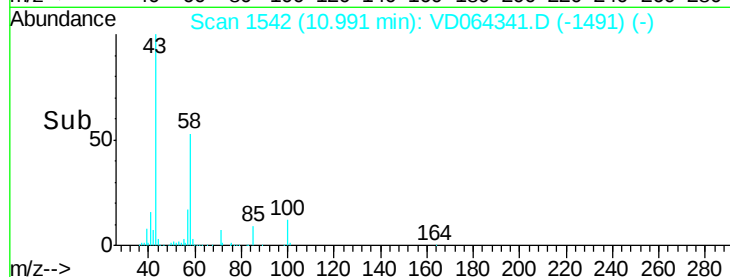
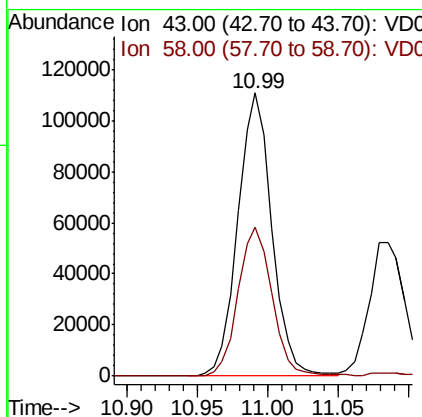
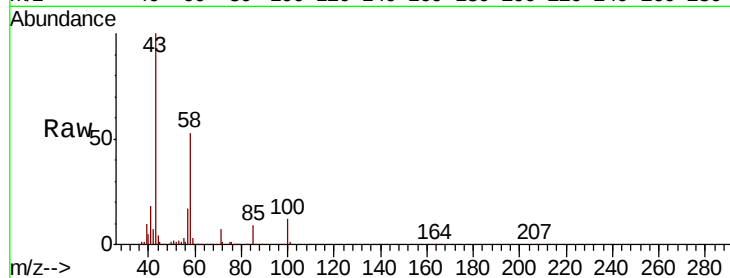
#59
2-Hexanone
Concen: 87.627 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion: 43 Resp: 186841
Ion Ratio Lower Upper
43 100
58 52.6 25.9 77.7

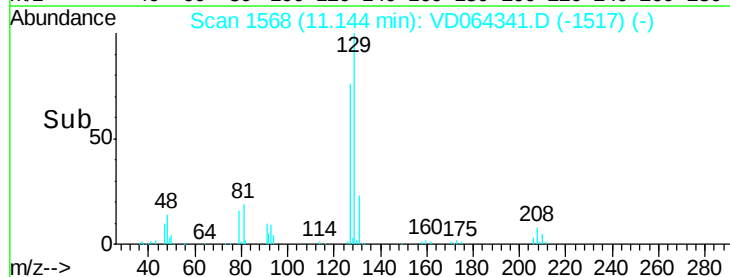
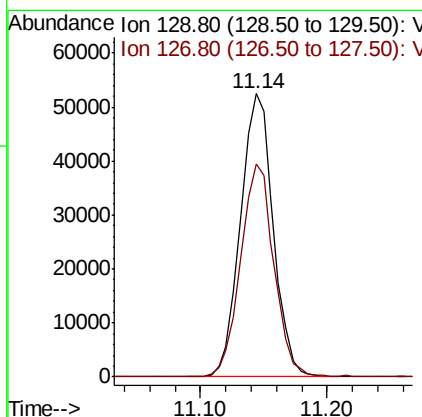
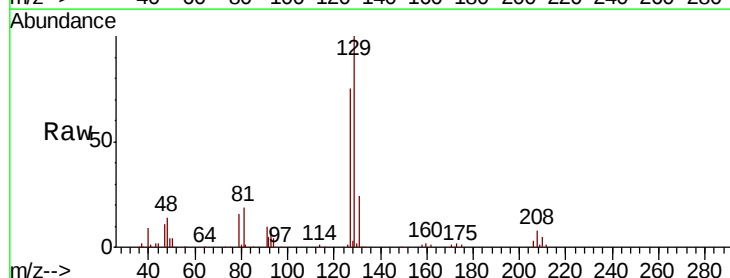
Manual Integrations
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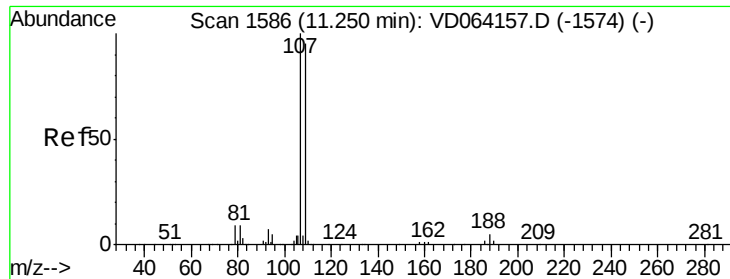
MMDadoda
11/26/2019 1:34:43 AM



#60
Dibromochloromethane
Concen: 19.363 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion: 129 Resp: 93917
Ion Ratio Lower Upper
129 100
127 76.7 38.6 115.8





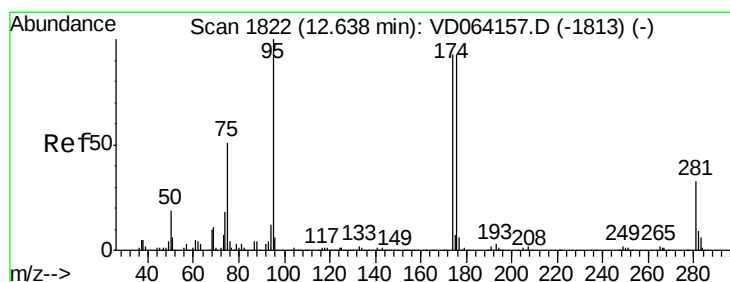
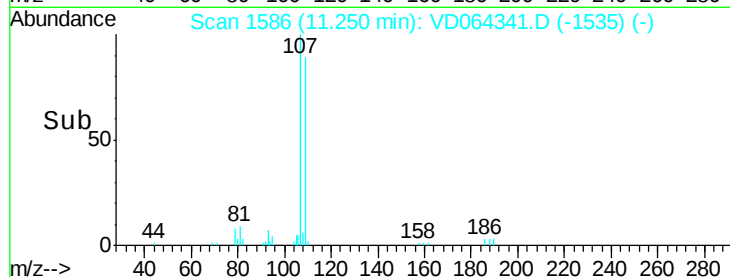
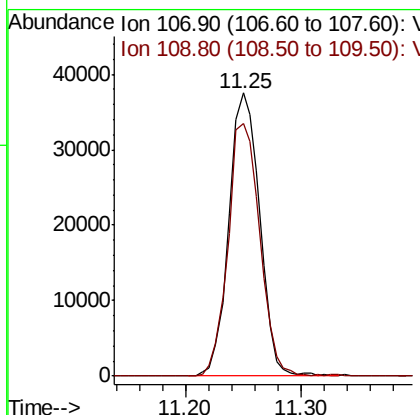
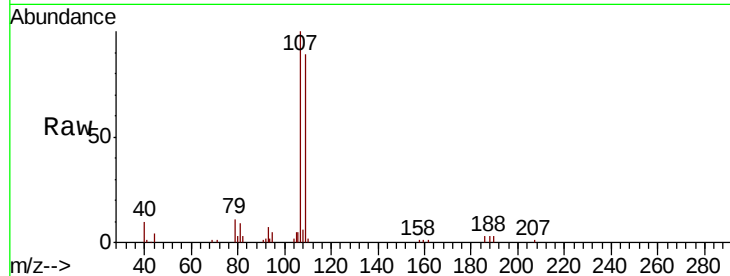
#61
 1,2-Dibromoethane
 Concen: 19.909 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion: 107 Resp: 69316
 Ion Ratio Lower Upper
 107 100
 109 92.1 75.1 112.7

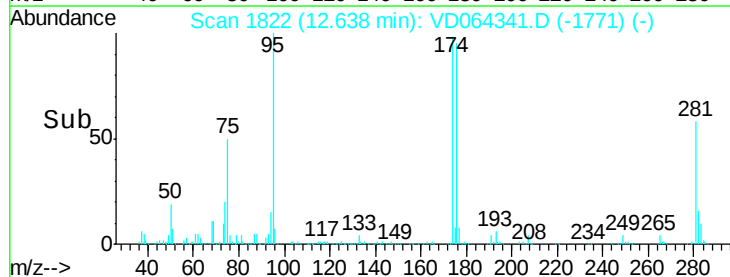
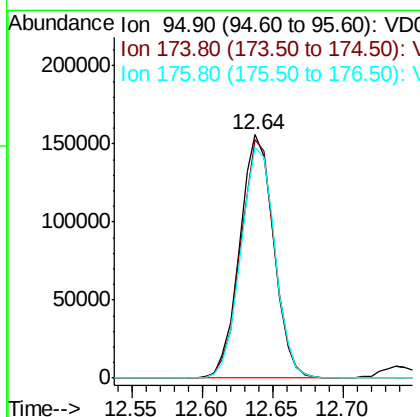
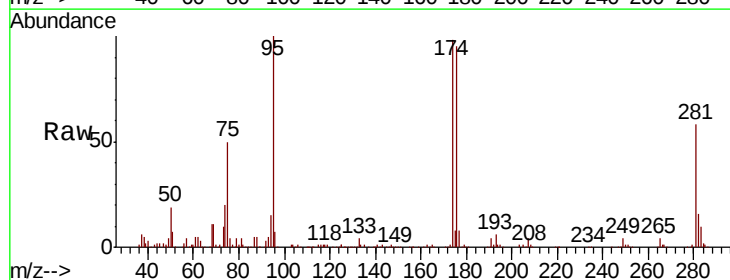
Manual Integrations
 APPROVED

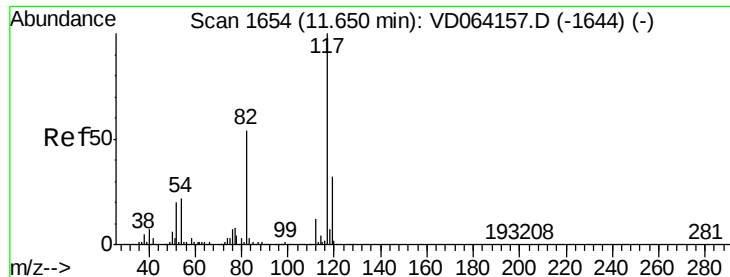
MMDadoda
 11/26/2019 1:34:43 AM



#62
 4-Bromofluorobenzene
 Concen: 44.964 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion: 95 Resp: 262871
 Ion Ratio Lower Upper
 95 100
 174 97.2 0.0 183.6
 176 95.2 0.0 180.2





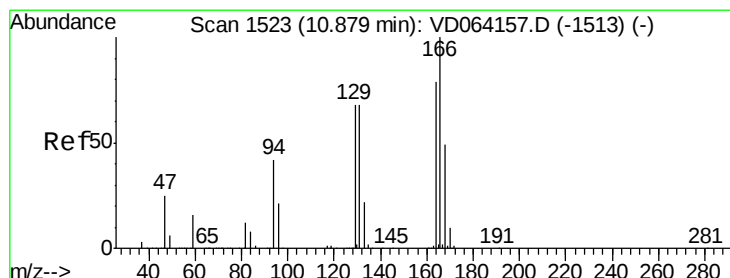
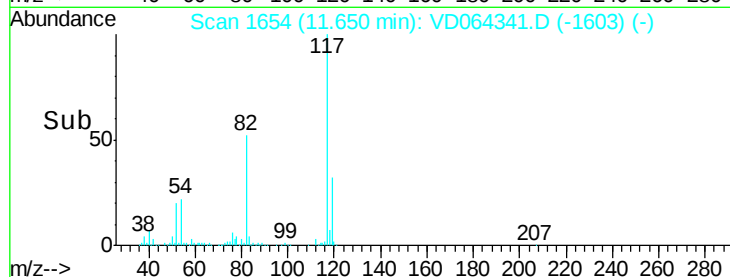
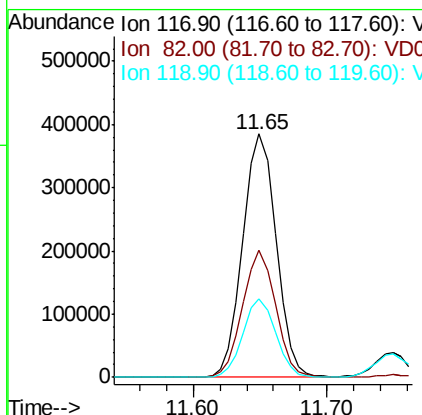
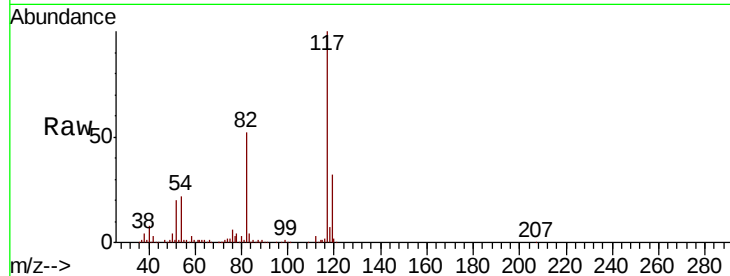
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	669715		
82	52.4		42.8	64.2
119	32.1		25.6	38.4

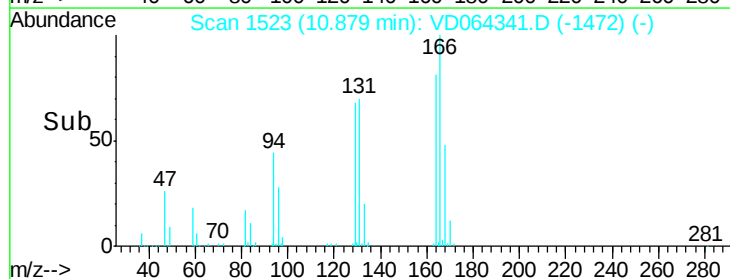
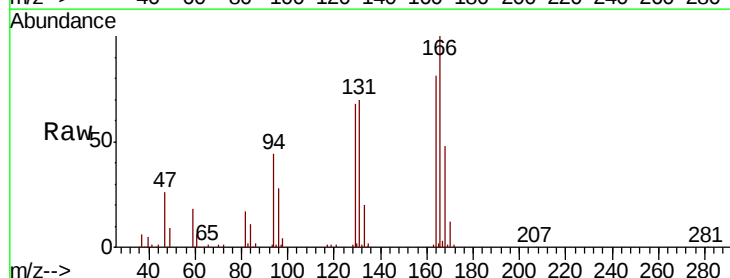
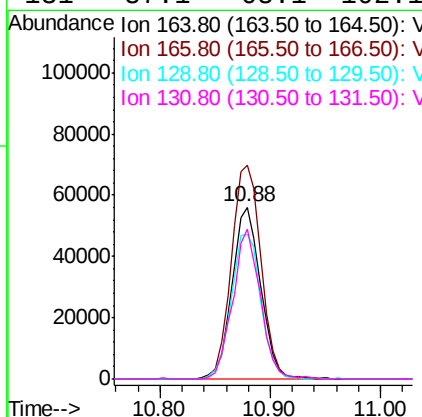
Manual Integrations
APPROVED

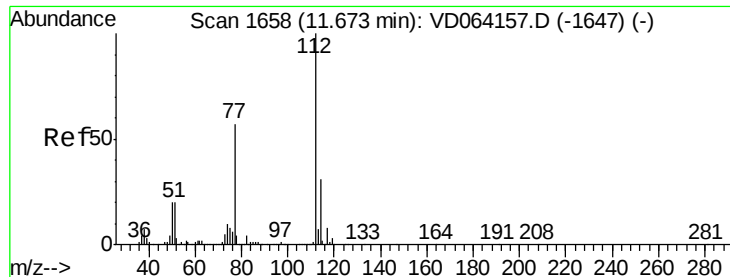
MMDadoda
11/26/2019 1:34:43 AM



#64
Tetrachloroethene
Concen: 19.857 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	102277		
166	124.0		100.8	151.2
129	84.1		68.7	103.1
131	87.1		68.1	102.1





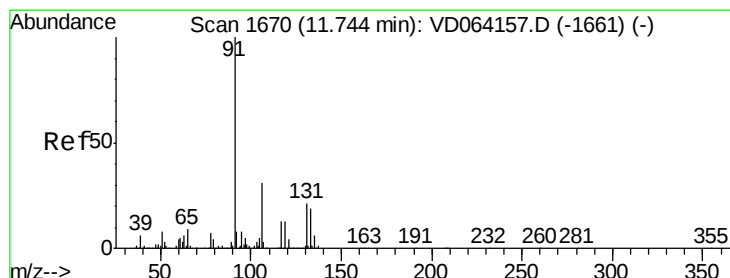
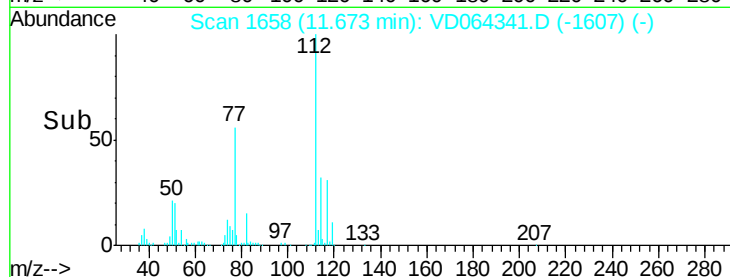
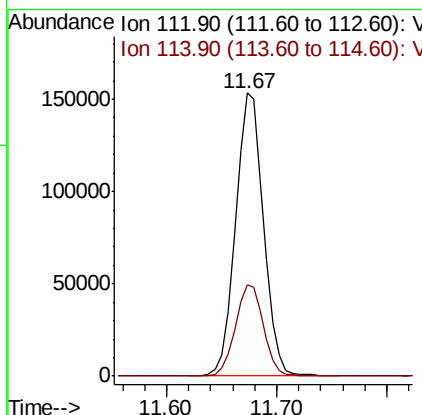
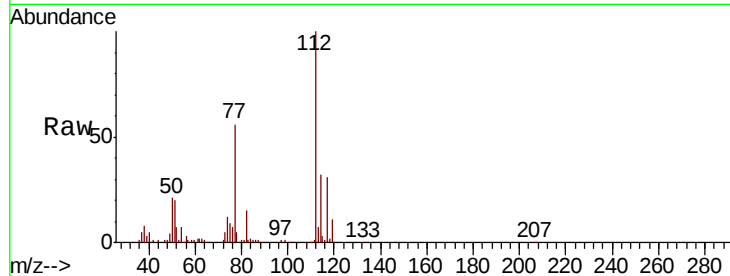
#65
Chlorobenzene
Concen: 19.976 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.2	37.8

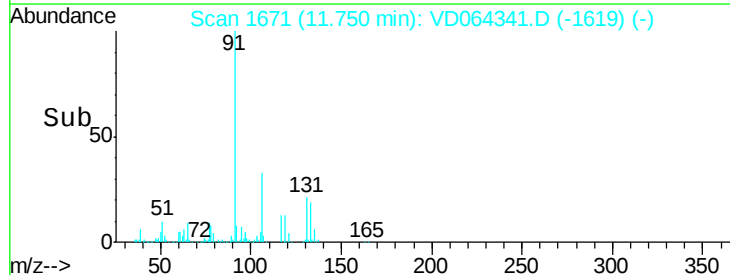
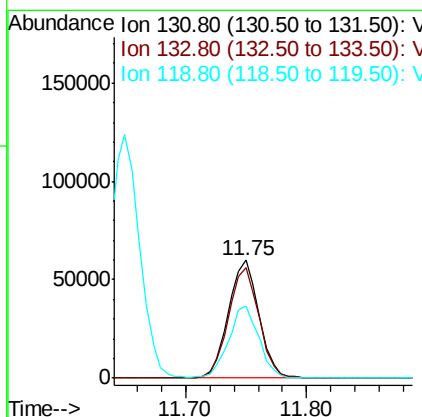
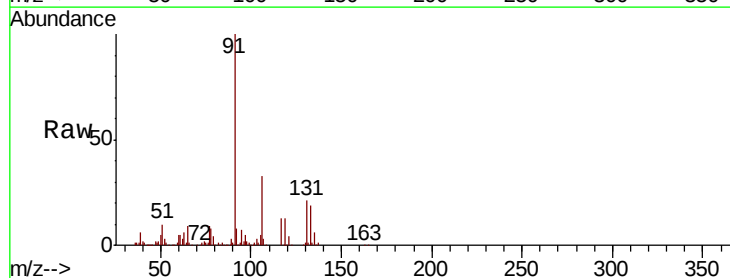
Manual Integrations
APPROVED

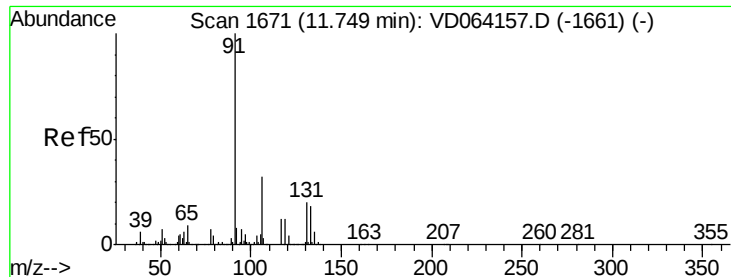
MMDadoda
11/26/2019 1:34:43 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.427 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.3	47.3	141.9
119	60.7	31.1	93.3





#67

Ethyl Benzene

Concen: 19.925 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 91 Resp: 490833

Ion Ratio Lower Upper

91 100

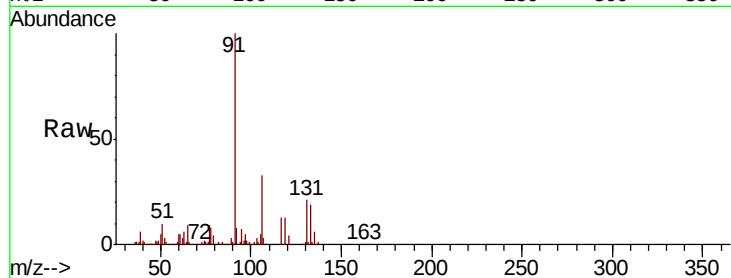
106 33.0 25.5 38.3

Manual Integrations

APPROVED

MMDadoda

11/26/2019 1:34:43 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

400000

300000

200000

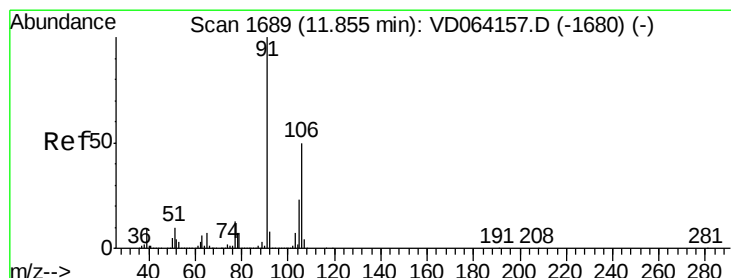
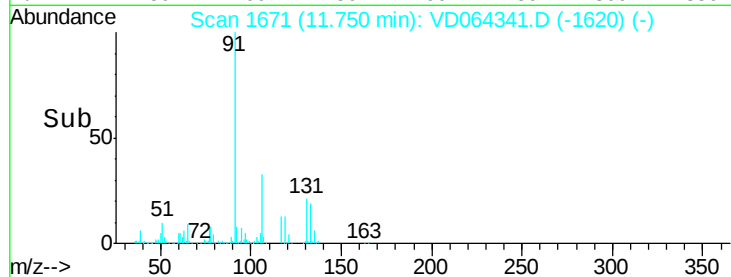
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 39.412 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD064341.D

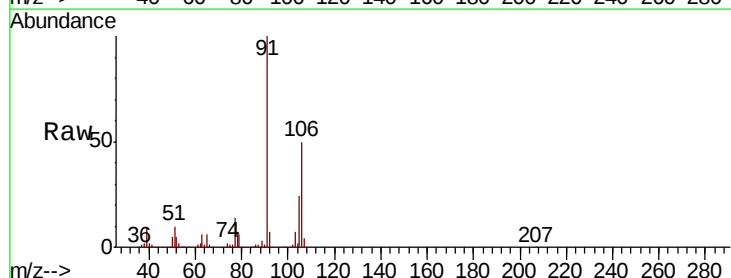
Acq: 22 Nov 2019 12:13

Tgt Ion: 106 Resp: 372140

Ion Ratio Lower Upper

106 100

91 199.5 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

400000

300000

200000

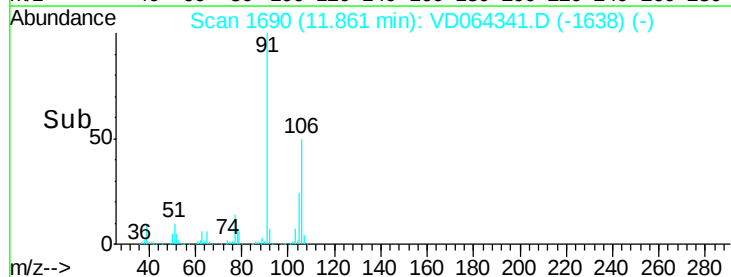
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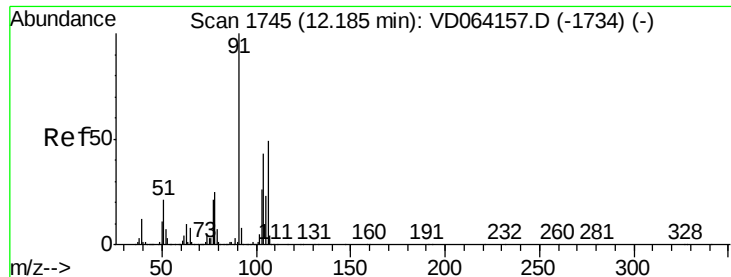
0

11.86

11.90

Time-->





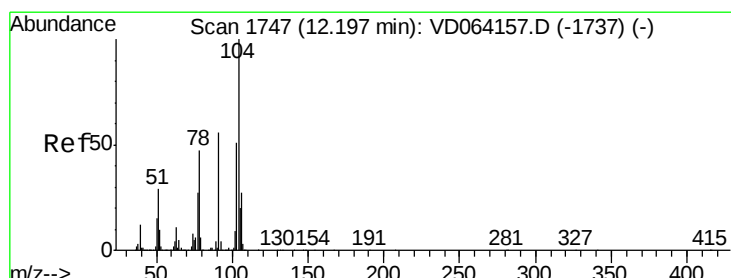
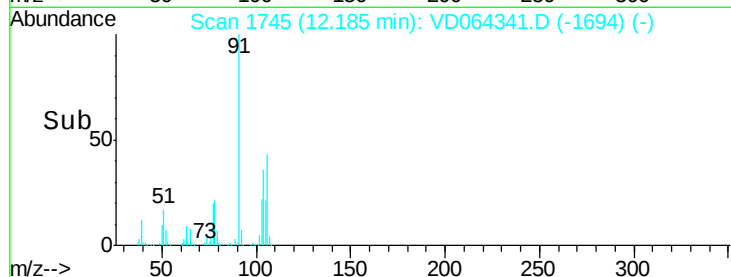
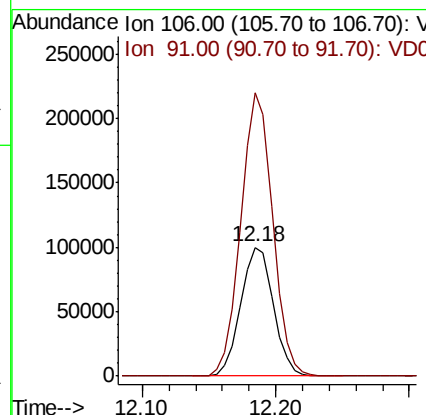
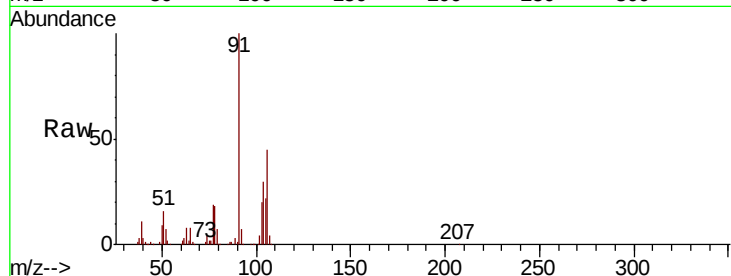
#69
o-Xylene
Concen: 19.337 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	214.4	105.1	315.3

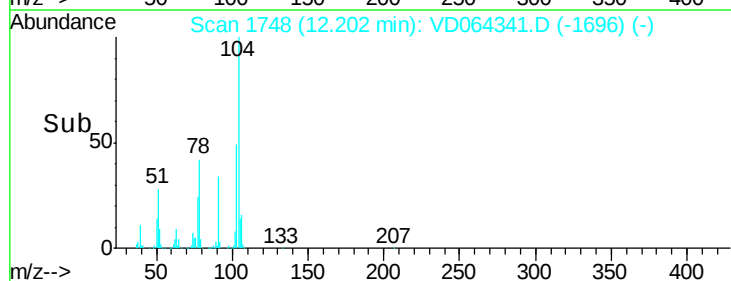
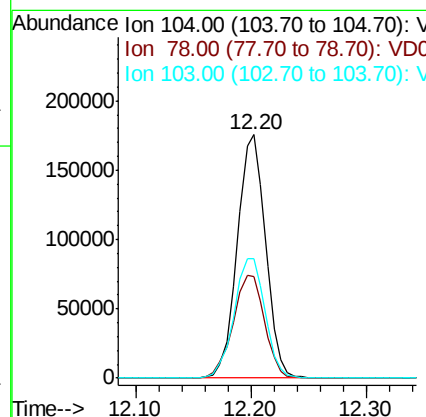
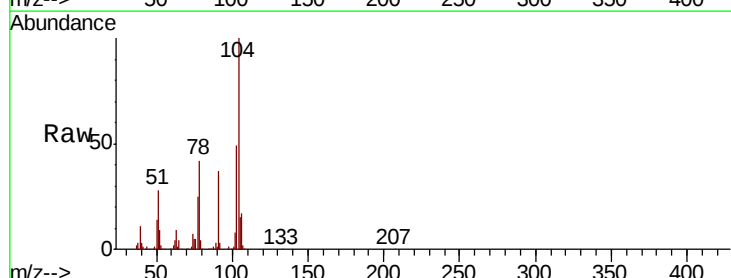
Manual Integrations
APPROVED

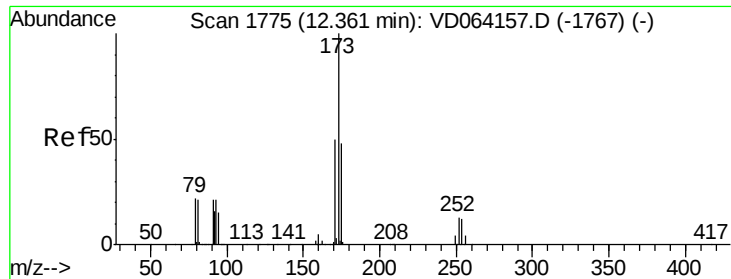
MMDadoda
11/26/2019 1:34:43 AM



#70
Styrene
Concen: 19.529 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	46.9	39.9	59.9
103	54.0	43.4	65.0





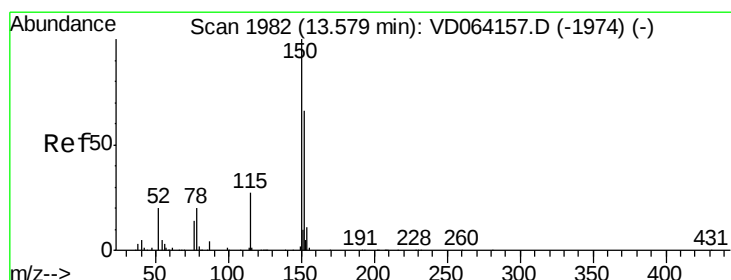
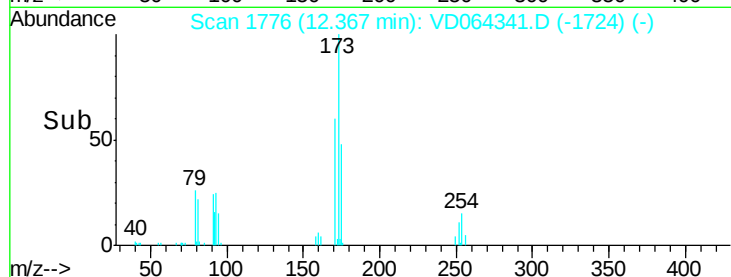
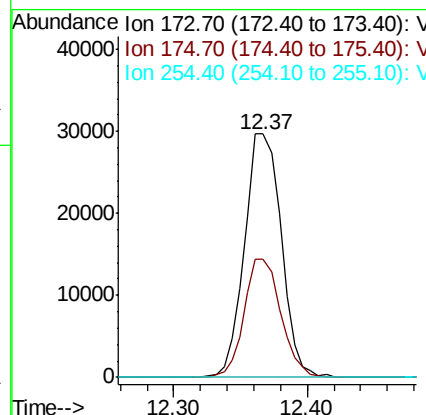
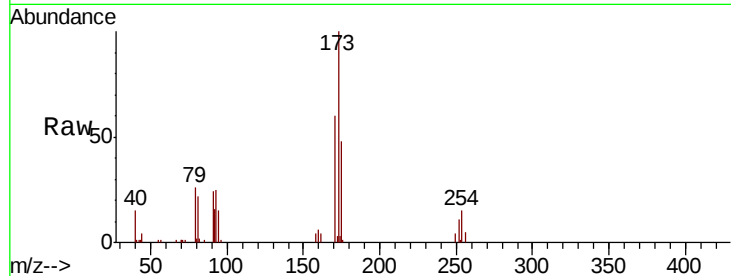
#71
Bromoform
Concen: 19.192 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

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

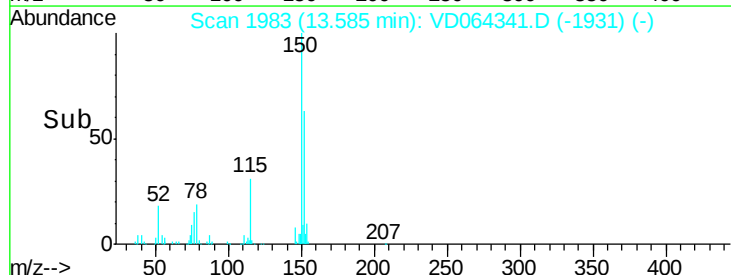
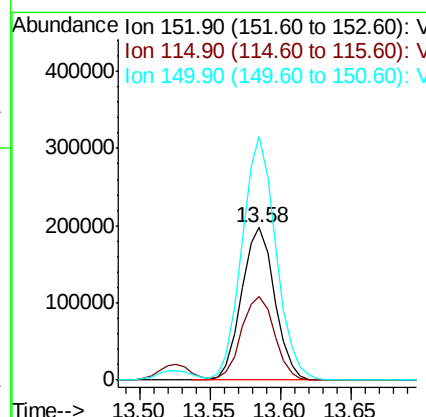
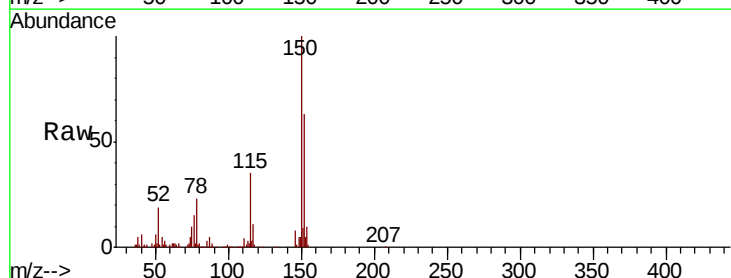
Manual Integrations
APPROVED

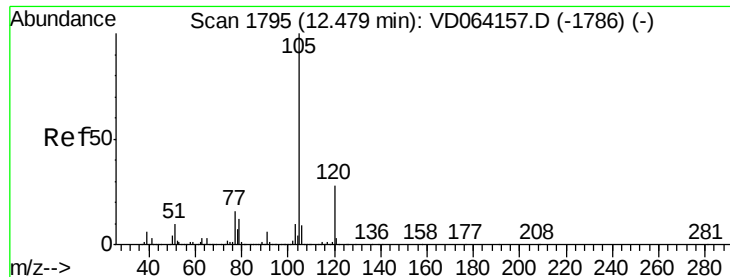
MMDadoda
11/26/2019 1:34:43 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.4	82.2
150	163.6	0.0	351.6





#73

Isopropylbenzene

Concen: 20.393 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 105 Resp: 486761

Ion Ratio Lower Upper

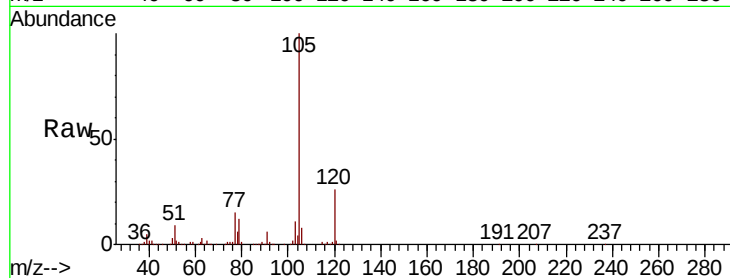
105 100

120 26.5 13.6 40.8

Manual Integrations
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MMDadoda

11/26/2019 1:34:43 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

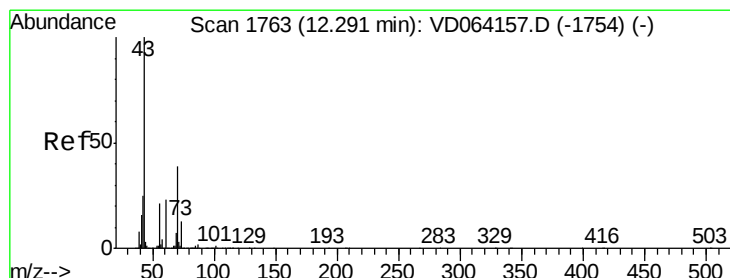
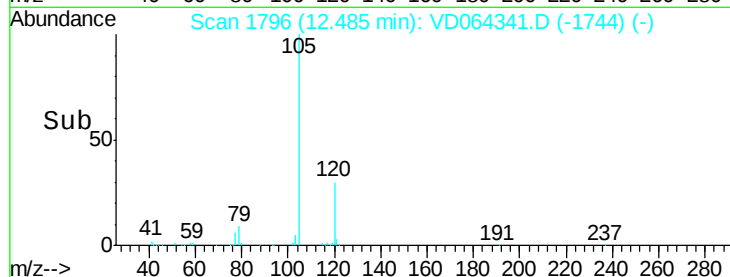
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 17.511 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion: 43 Resp: 98705

Ion Ratio Lower Upper

43 100

70 42.0 32.4 48.6

55 23.6 17.9 26.9

61 23.9 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

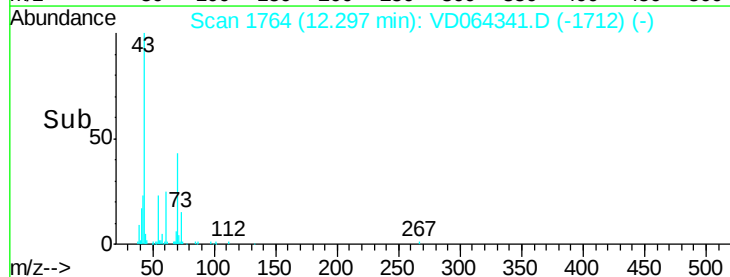
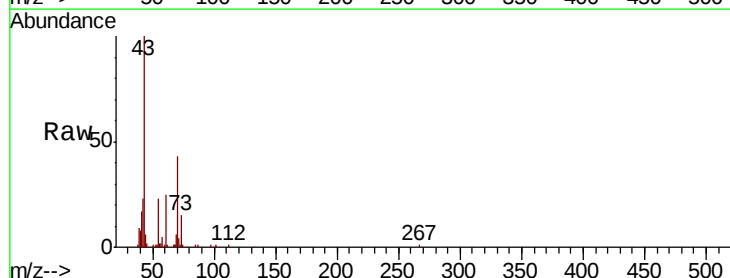
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 20.615 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

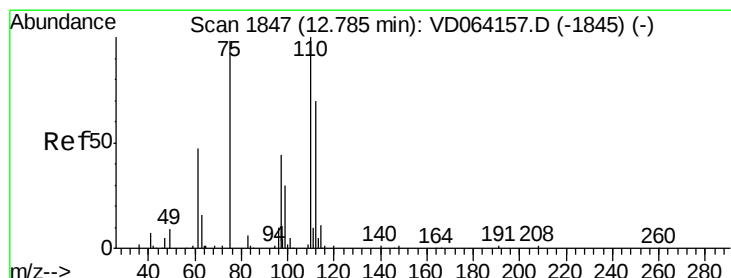
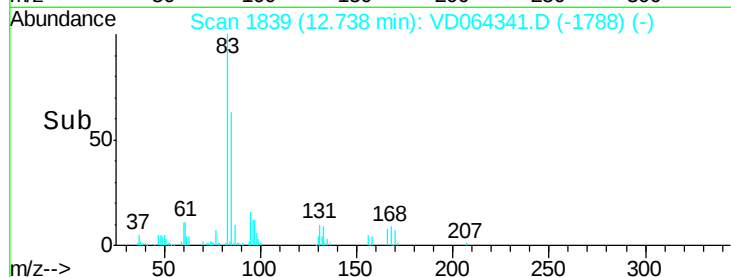
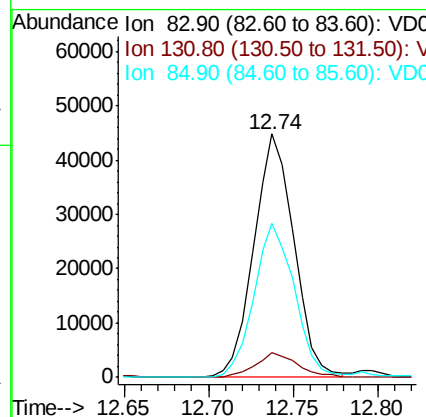
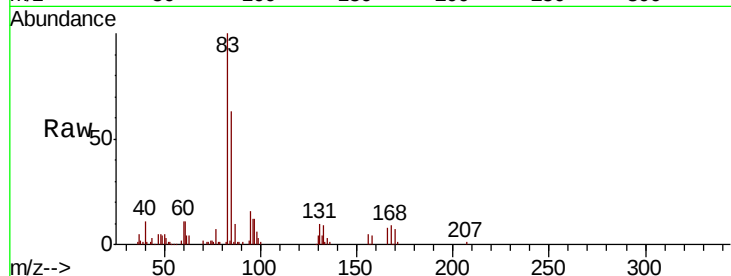
ClientSampleId :

VD1122SBS01

Tot Ion:	83	Resp:	74144
Ion	Ratio	Lower	Upper
83	100		
131	10.5	5.9	17.7
85	63.7	32.5	97.5

Manual Integrations
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11/26/2019 1:34:43 AM



#76

1,2,3-Trichloropropane

Concen: 19.451 ug/l m

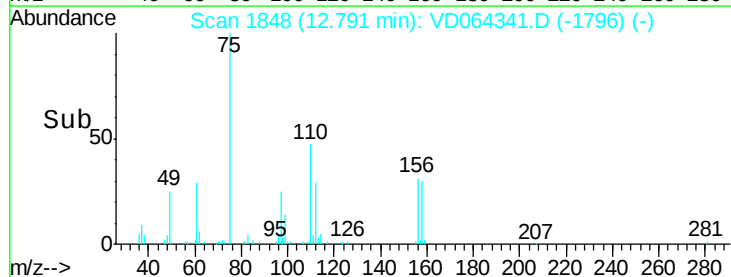
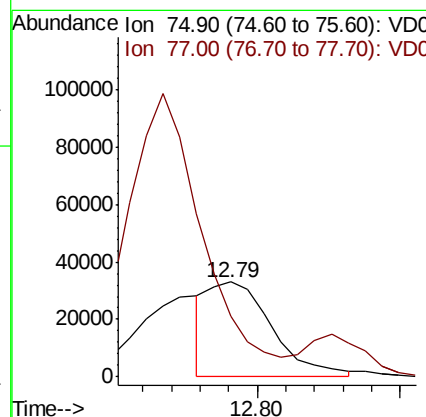
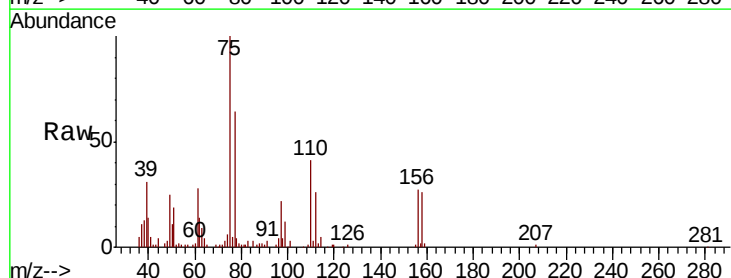
RT: 12.79 min Scan# 1848

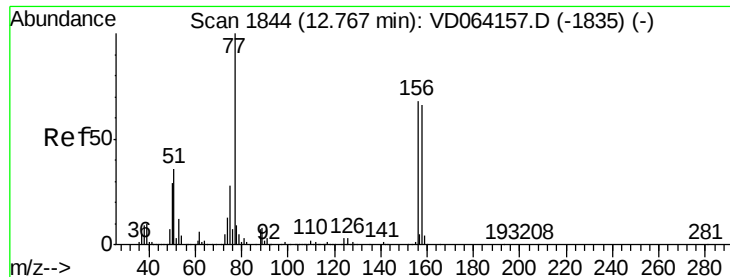
Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion:	75	Resp:	50949
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.153 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

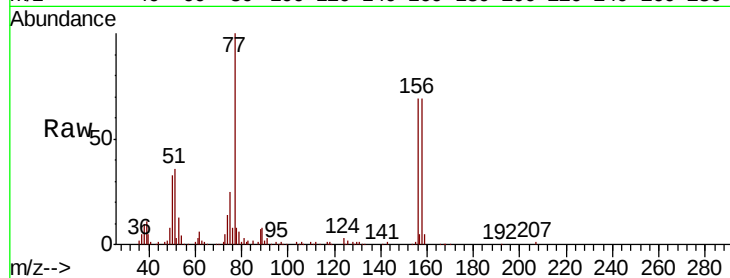
ClientSampleId :

VD1122SBS01

Tot Ion:	156	Resp:	116867
Ion Ratio	Lower	Upper	
156	100		
77	155.3	81.2	243.4
158	96.6	48.4	145.2

Manual Integrations
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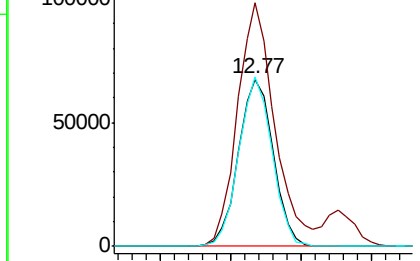
MMDadoda
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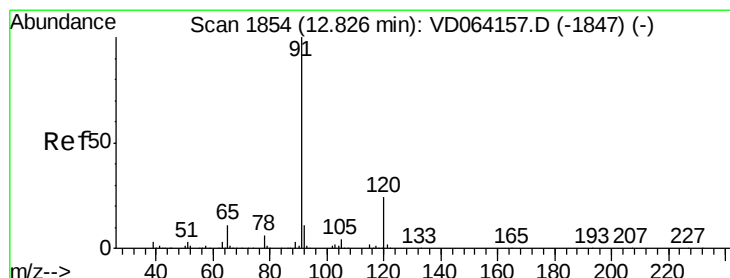
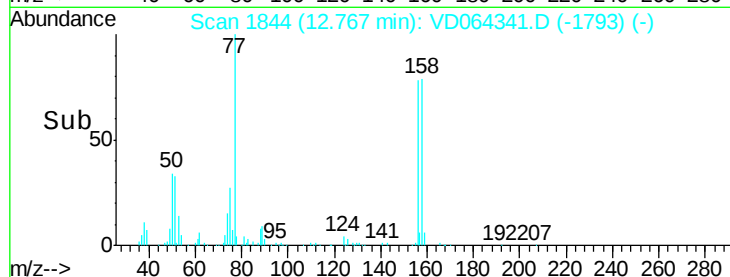
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



Time-->



#78

n-propylbenzene

Concen: 20.027 ug/l

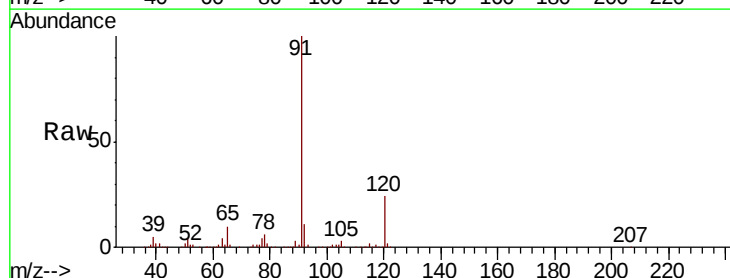
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064341.D

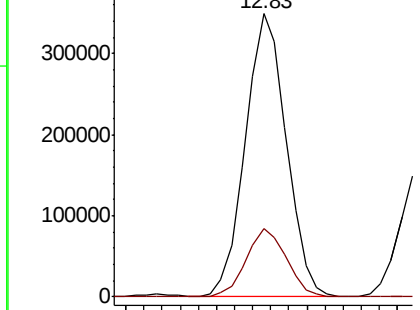
Acq: 22 Nov 2019 12:13

Tgt Ion:	91	Resp:	546150
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.4

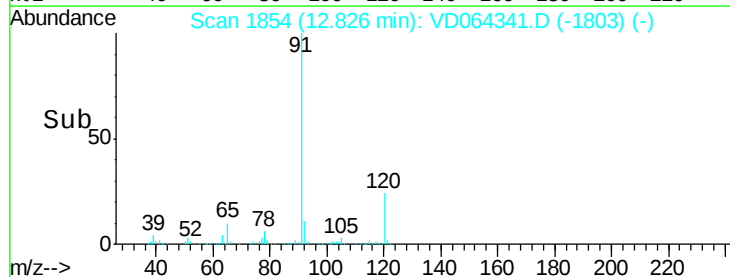


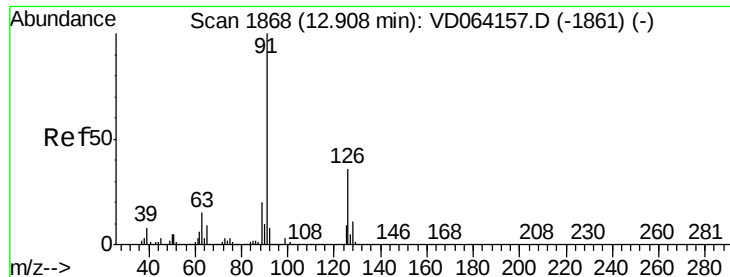
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V



Time-->





#79

2-Chlorotoluene

Concen: 19.474 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

ClientSampleId :

VD1122SBS01

Tot Ion: 91 Resp: 299827

Ion Ratio Lower Upper

91 100

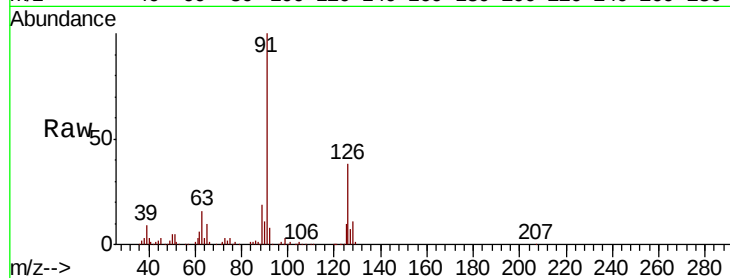
126 36.8 17.7 53.1

Manual Integrations

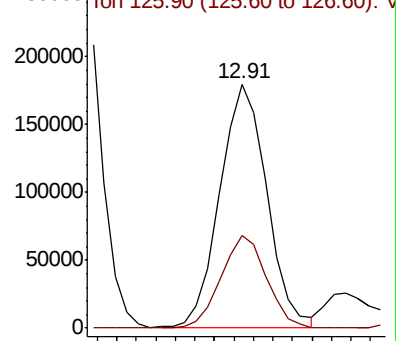
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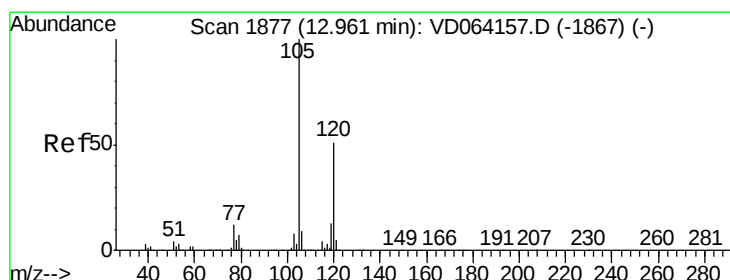
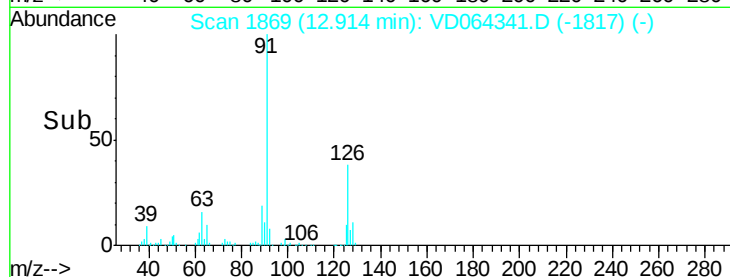
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Abundance Ion 91.00 (90.70 to 91.70): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 19.768 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064341.D

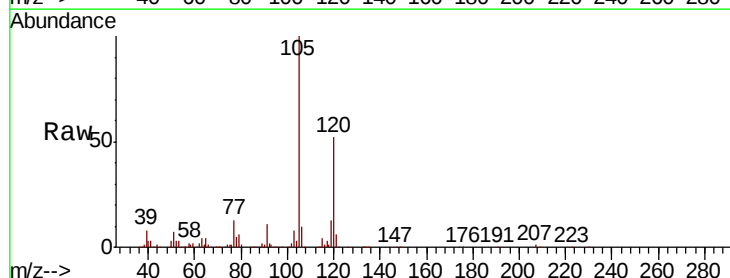
Acq: 22 Nov 2019 12:13

Tgt Ion: 105 Resp: 387717

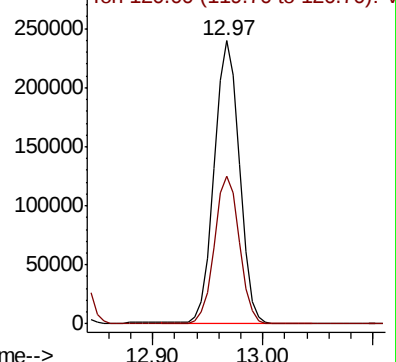
Ion Ratio Lower Upper

105 100

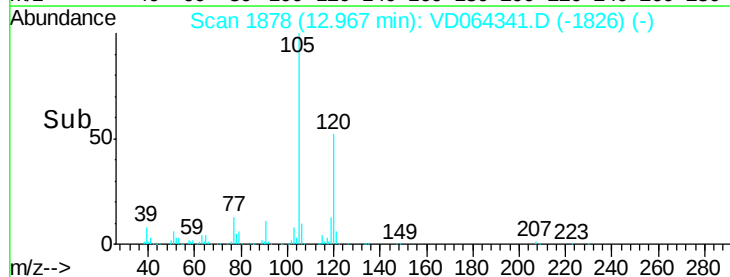
120 51.5 25.4 76.4

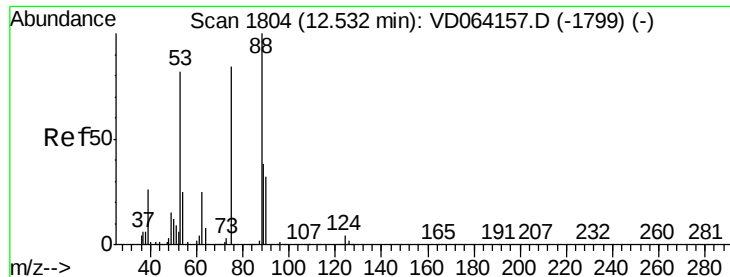


Abundance Ion 105.00 (104.70 to 105.70): V



Time-->





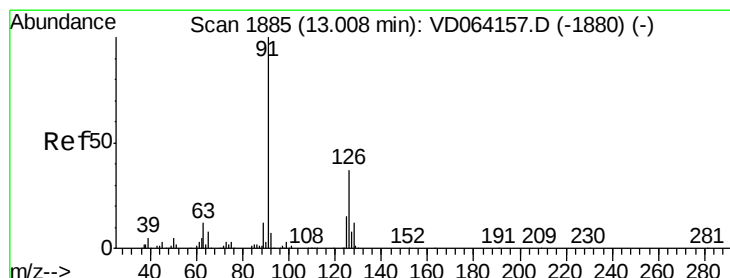
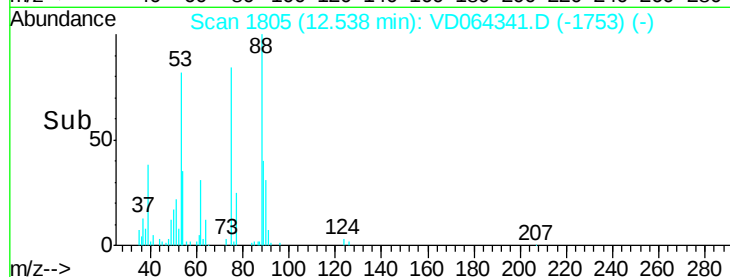
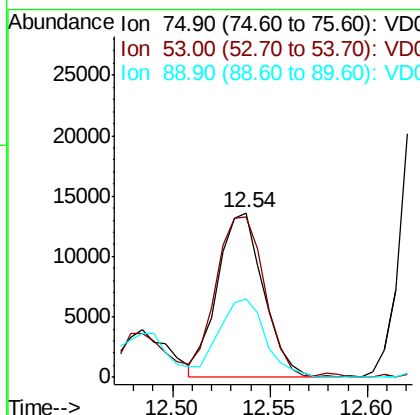
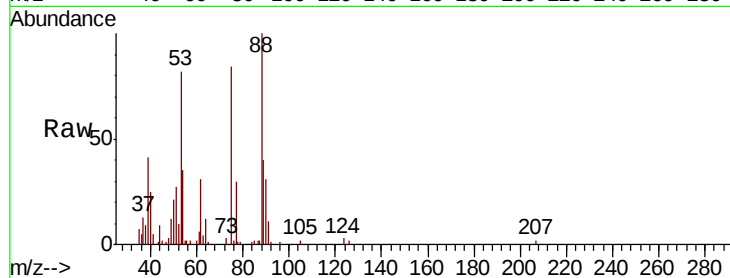
#81
trans-1,4-Dichloro-2-butene
Concen: 16.932 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.1	79.4	119.0
89	48.5	36.6	55.0

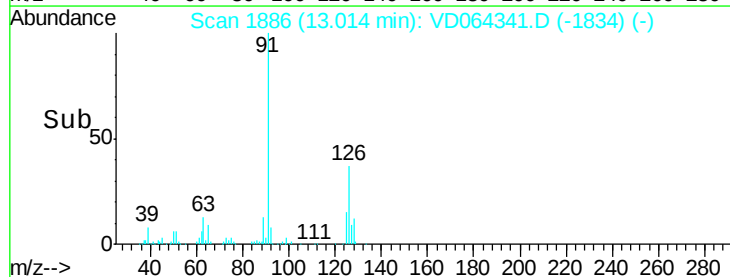
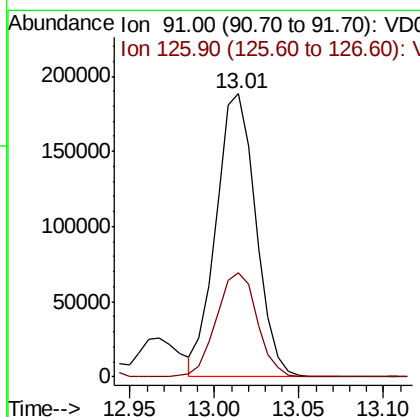
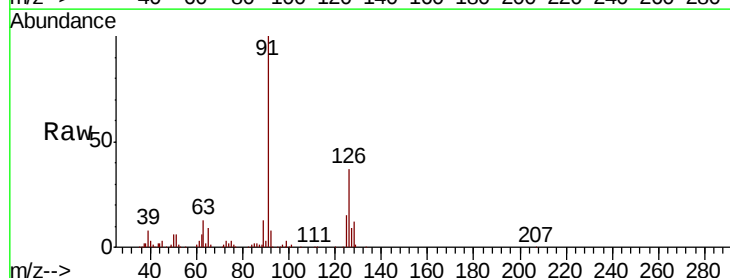
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#82
4-Chlorotoluene
Concen: 19.212 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.8	17.8	53.4





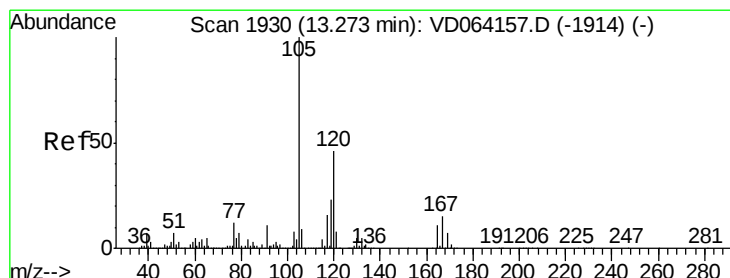
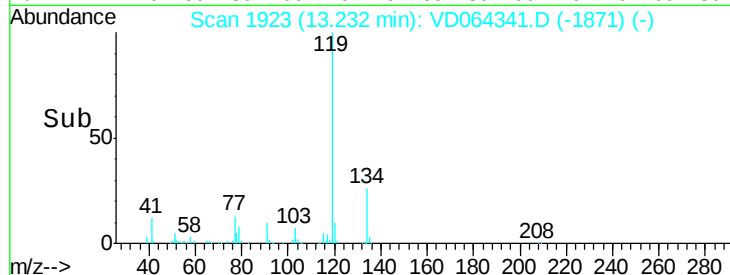
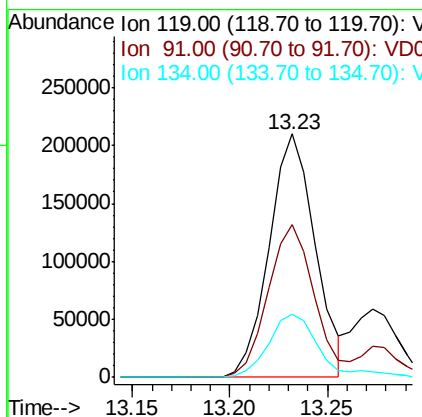
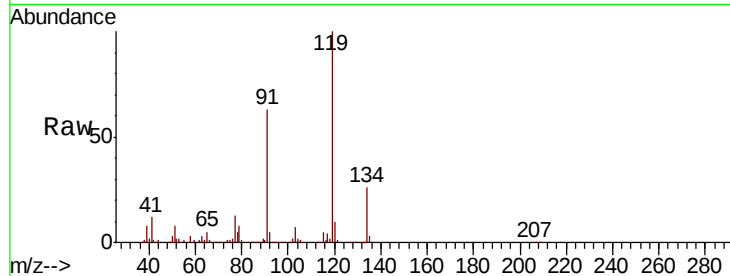
#83
tert-Butylbenzene
Concen: 19.771 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	31.8	95.4
134	26.6	13.7	41.0

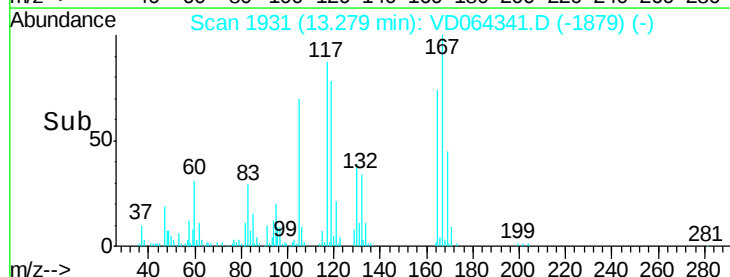
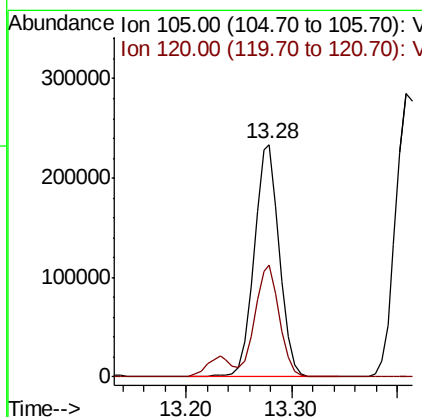
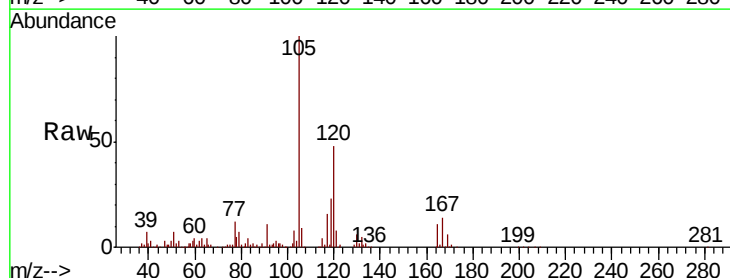
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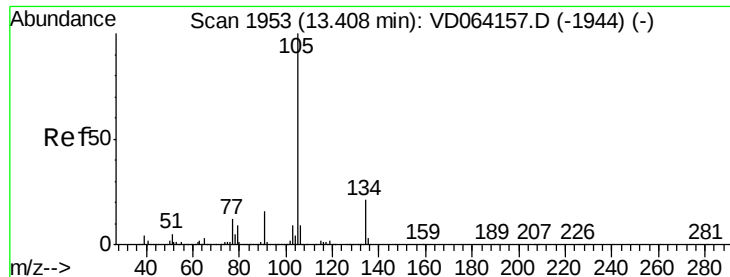
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#84
1,2,4-Trimethylbenzene
Concen: 19.991 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.5	23.3	69.8





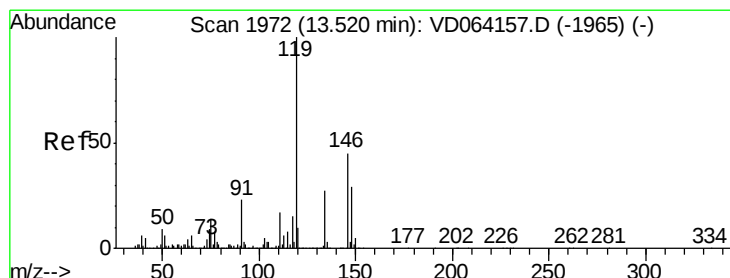
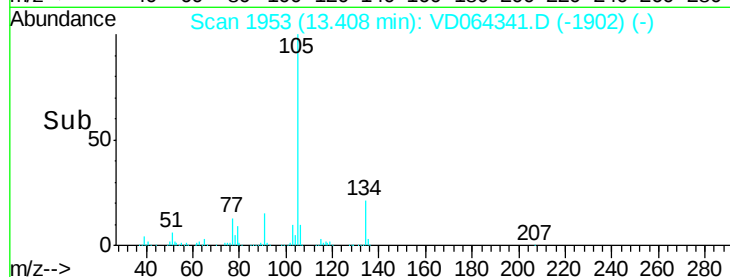
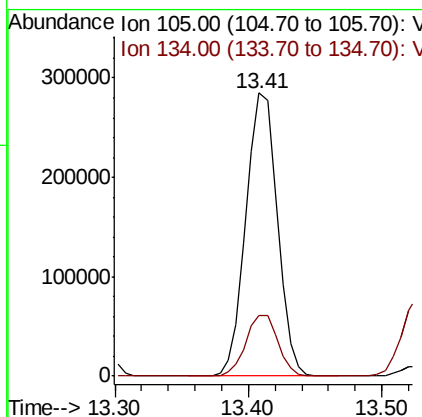
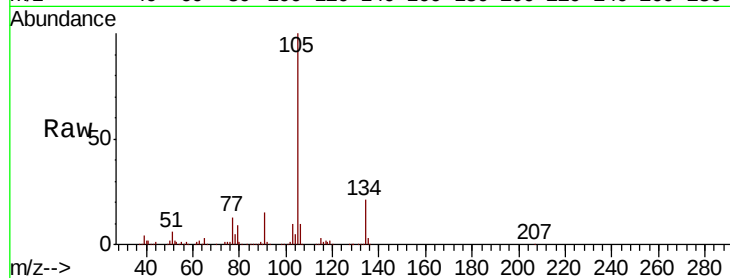
#85
 sec-Butylbenzene
 Concen: 19.986 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.9	10.7	31.9

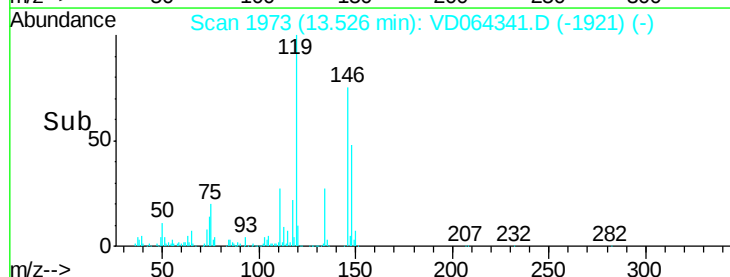
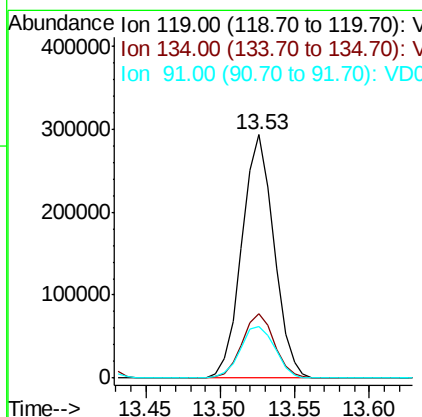
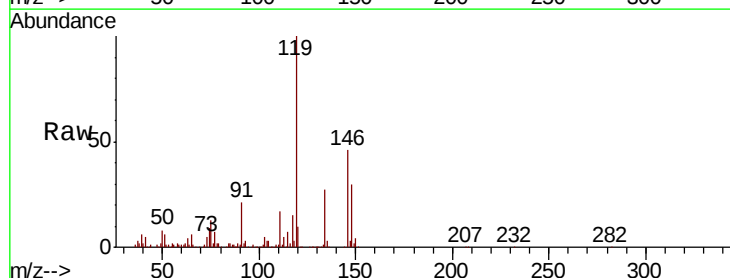
Manual Integrations
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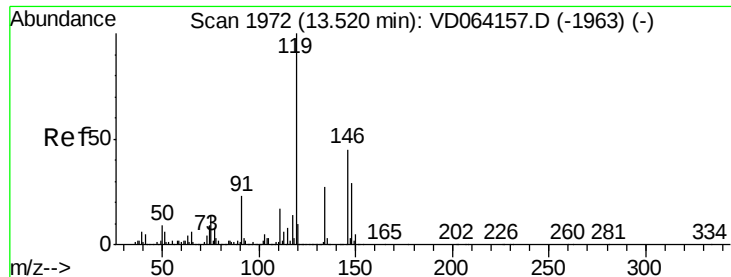
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#86
 p-Isopropyltoluene
 Concen: 19.801 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.5
91	22.8	11.5	34.4





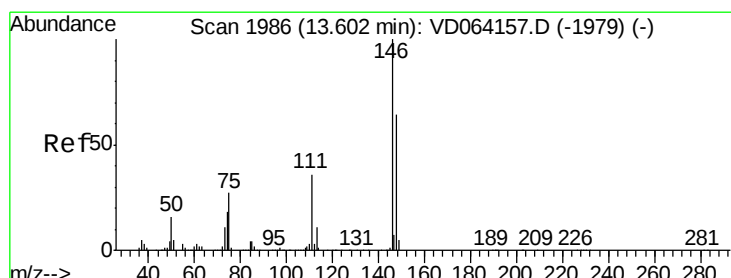
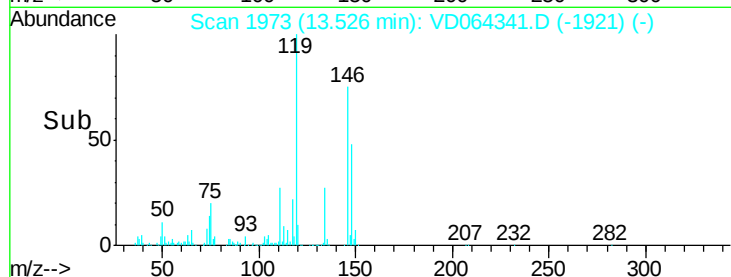
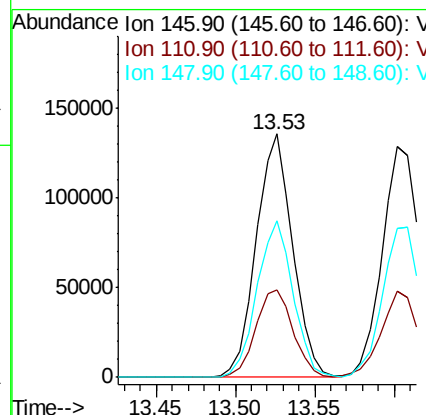
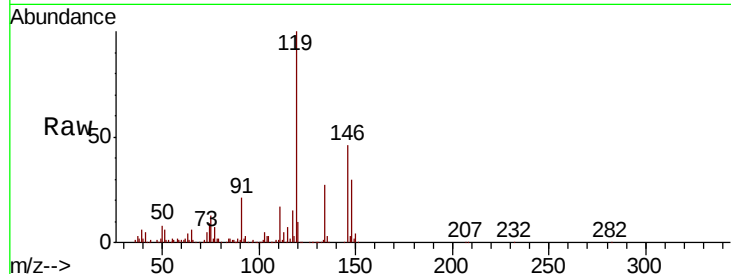
#87
1,3-Dichlorobenzene
Concen: 20.170 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	217115		
111	36.8	18.9	56.9	
148	63.9	32.1	96.5	

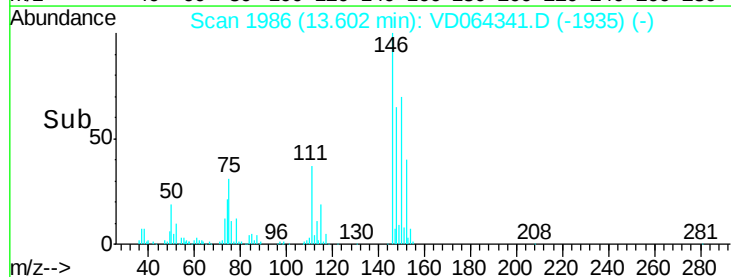
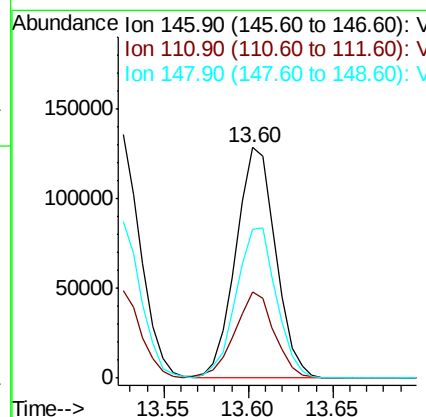
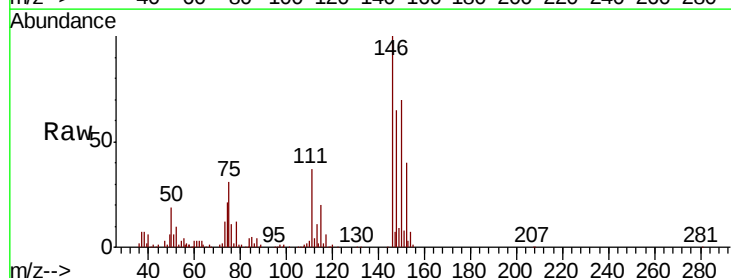
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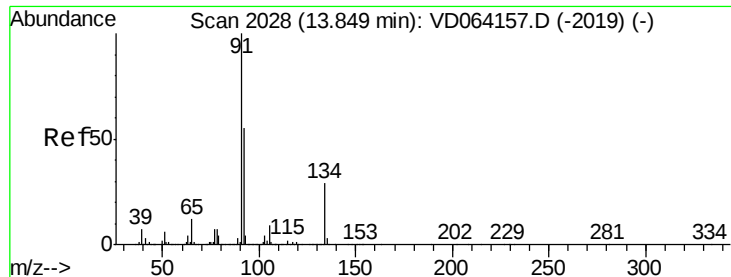
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#88
1,4-Dichlorobenzene
Concen: 20.180 ug/l
RT: 13.60 min Scan# 1986
Delta R.T. 0.00 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	212012		
111	37.2	18.1	54.4	
148	66.0	31.9	95.7	





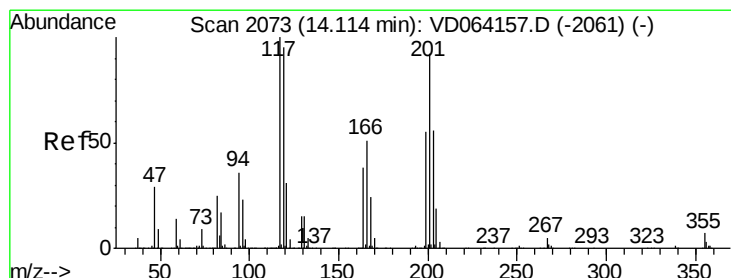
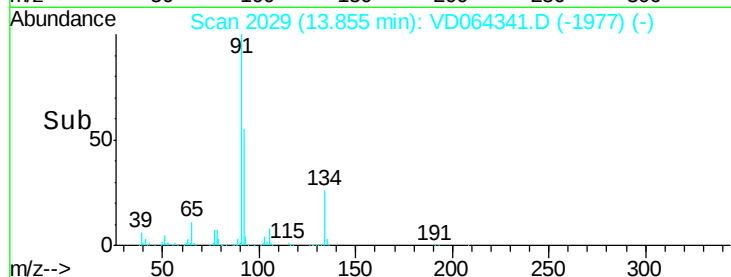
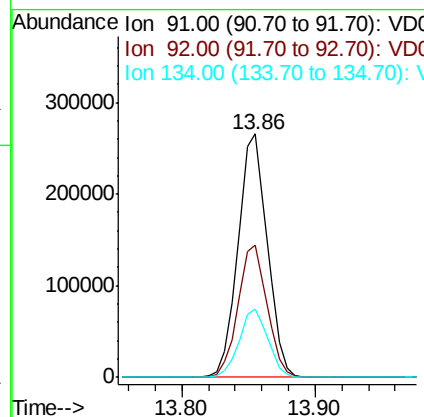
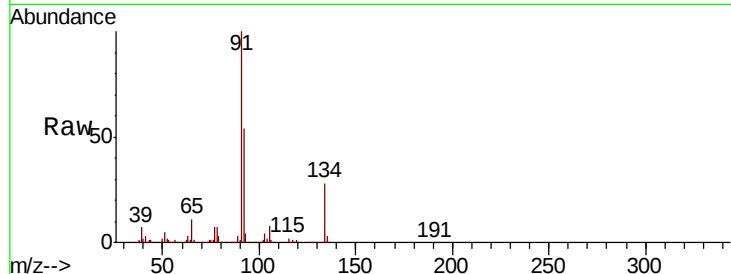
#89
n-Butylbenzene
Concen: 20.262 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Instrument :
MSVOA_D
ClientSampleId :
VD1122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.3	81.8
134	27.8	14.1	42.4

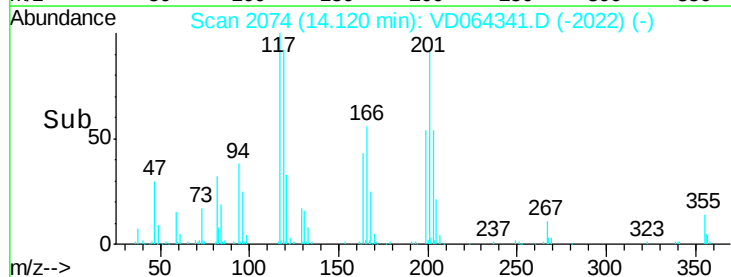
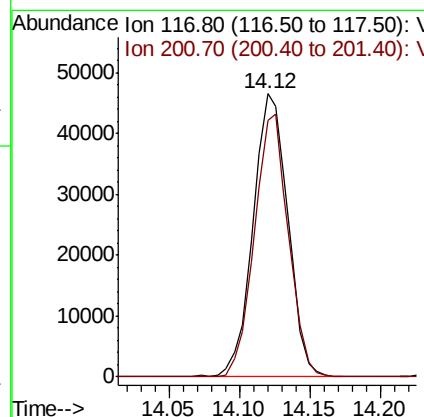
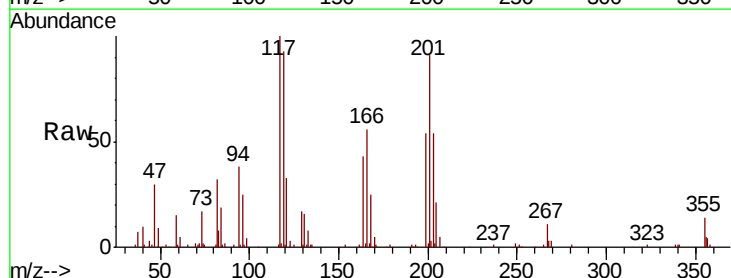
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#90
Hexachloroethane
Concen: 19.755 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064341.D
Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.5	45.8	137.4





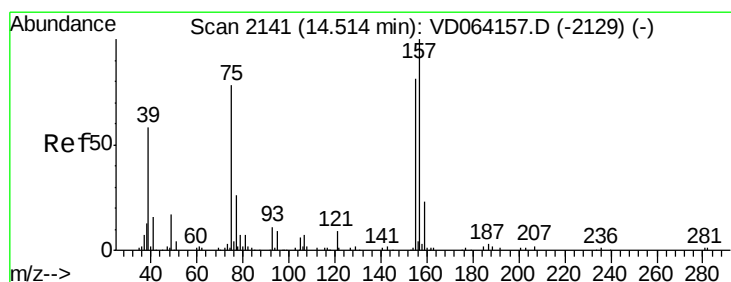
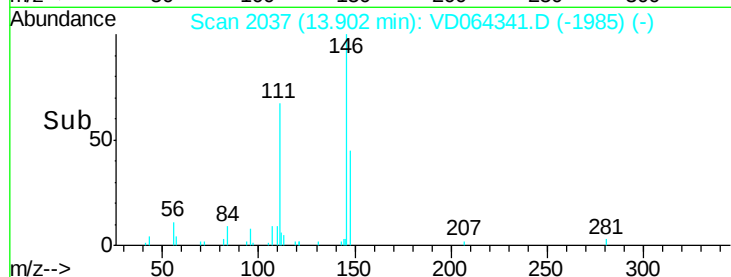
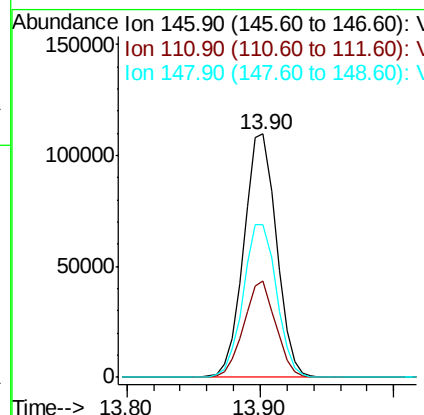
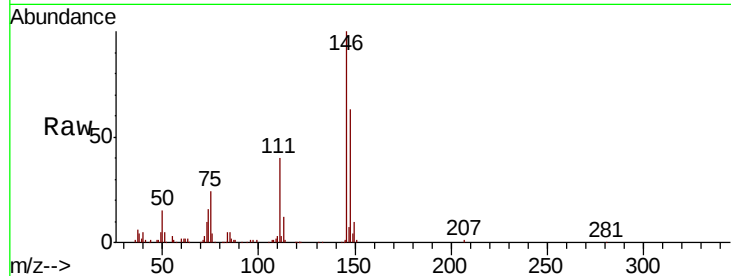
#91
 1,2-Dichlorobenzene
 Concen: 20.321 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.0
148	64.1	32.3	96.8

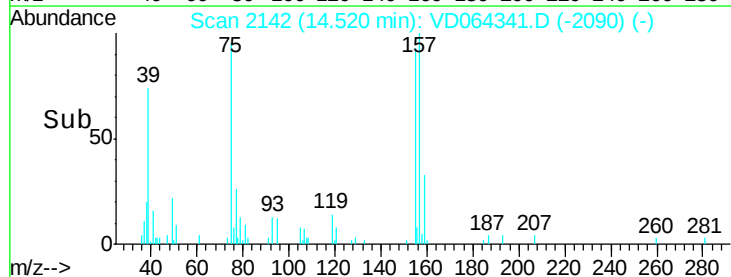
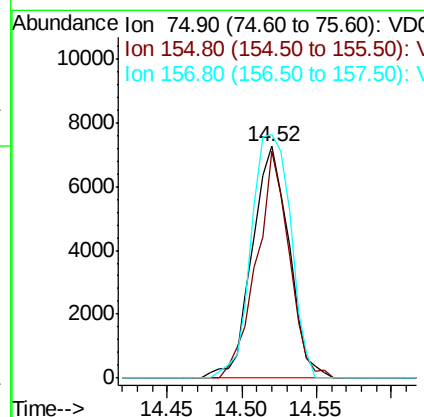
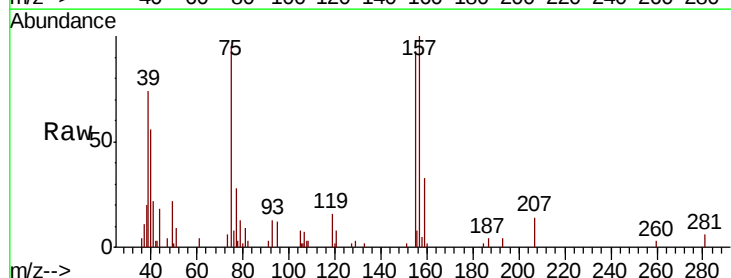
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.222 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.8	48.0	144.0
157	112.3	61.5	184.4





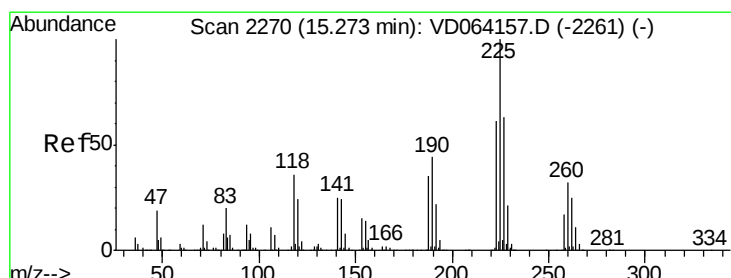
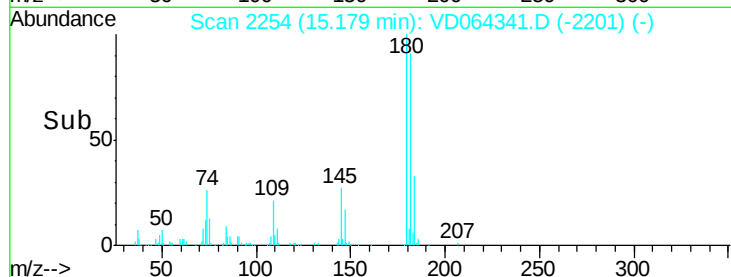
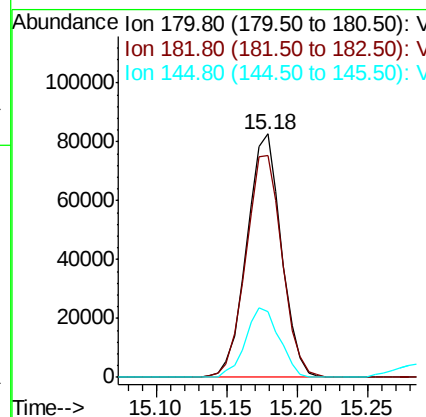
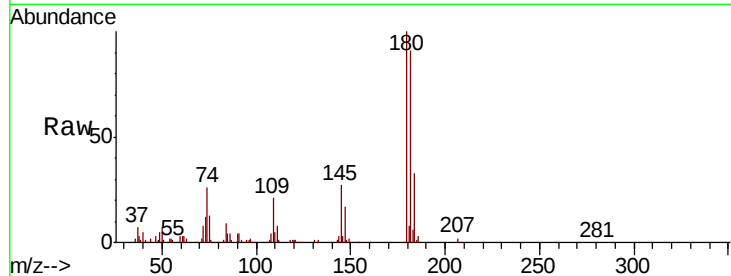
#93
 1,2,4-Trichlorobenzene
 Concen: 20.164 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	141717		
182	95.3	47.5	142.5	
145	28.1	14.2	42.6	

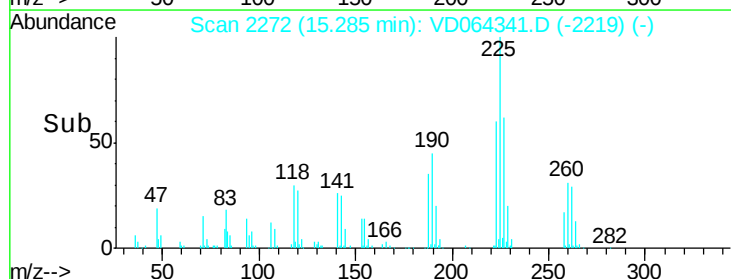
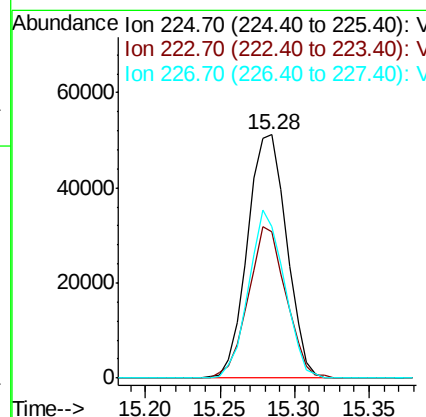
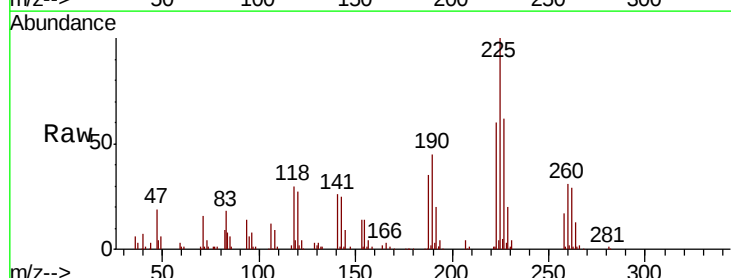
Manual Integrations
 APPROVED

MMDadoda
 11/26/2019 1:34:43 AM



#94
 Hexachlorobutadiene
 Concen: 20.437 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD064341.D
 Acq: 22 Nov 2019 12:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	92777		
223	60.1	31.1	93.3	
227	62.8	31.5	94.5	





#95

Naphthalene

Concen: 19.790 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Instrument :

MSVOA_D

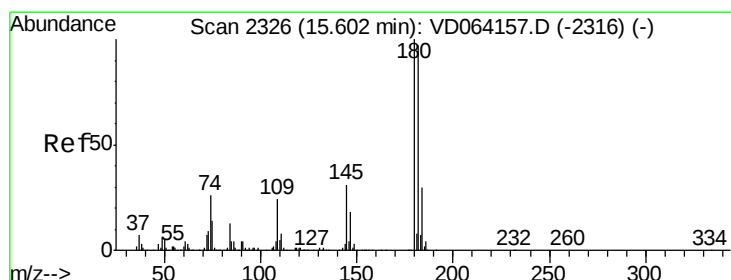
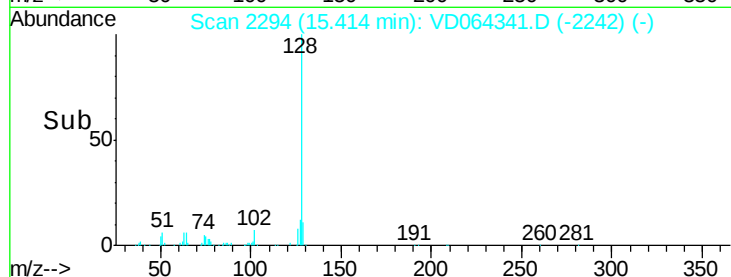
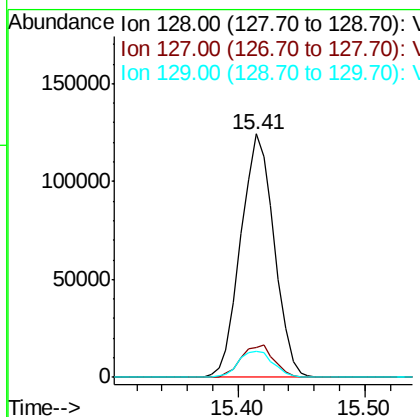
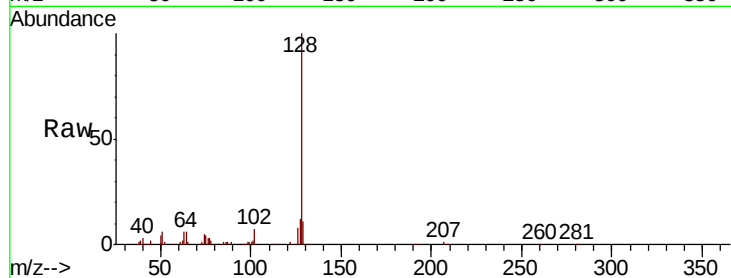
ClientSampleId :

VD1122SBS01

Tot Ion:	128	Resp:	228010
Ion Ratio		Lower	Upper
128	100		
127	13.0	10.5	15.7
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/26/2019 1:34:43 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.074 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD064341.D

Acq: 22 Nov 2019 12:13

Tgt Ion:	180	Resp:	119927
Ion Ratio		Lower	Upper
180	100		
182	96.1	48.3	144.9
145	30.1	15.3	45.8

