

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110819\
 Data File : VD064155.D
 Acq On : 08 Nov 2019 14:07
 Operator : VA/SY
 Sample : VSTDIC010
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:38 AM

Quant Time: Nov 11 08:25:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 08 15:32:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	959664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1345786	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1153312	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	552509	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	77657	9.99	ug/l	0.00
Spiked Amount			Recovery	=	19.98%	
35) Dibromofluoromethane	7.91	113	77682	9.42	ug/l	0.00
Spiked Amount			Recovery	=	18.84%	
50) Toluene-d8	10.34	98	296174	9.03	ug/l	0.00
Spiked Amount			Recovery	=	18.06%	
62) 4-Bromofluorobenzene	12.63	95	100858	9.28	ug/l	0.00
Spiked Amount			Recovery	=	18.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	82127	8.599	ug/l	100
3) Chloromethane	2.21	50	90173	5.961	ug/l	99
4) Vinyl Chloride	2.36	62	95706	5.857	ug/l	99
5) Bromomethane	2.78	94	58787	5.563	ug/l	99
6) Chloroethane	2.93	64	59963	5.884	ug/l	99
7) Trichlorofluoromethane	3.28	101	153240	6.703	ug/l	100
8) Diethyl Ether	3.71	74	40447	9.482	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90054	10.269	ug/l	99
10) Methyl Iodide	4.30	142	70294	6.601	ug/l	99
11) Tert butyl alcohol	5.24	59	28660m	66.244	ug/l	
12) 1,1-Dichloroethene	4.06	96	88029	10.533	ug/l	94
13) Acrolein	3.92	56	19412	39.066	ug/l	84
14) Allyl chloride	4.71	41	145091	13.684	ug/l	99
15) Acrylonitrile	5.43	53	84765	53.062	ug/l	99
16) Acetone	4.17	43	83687	55.285	ug/l	93
17) Carbon Disulfide	4.40	76	256085	9.963	ug/l	100
18) Methyl Acetate	4.73	43	49622	12.109	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	189758	10.889	ug/l	92
20) Methylene Chloride	4.97	84	104453	10.115	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	92618	9.890	ug/l	96
22) Diisopropyl ether	6.37	45	267365	11.875	ug/l	93
23) Vinyl Acetate	6.31	43	731235	59.038	ug/l	99
24) 1,1-Dichloroethane	6.27	63	154158	10.406	ug/l	98
25) 2-Butanone	7.23	43	116844	56.230	ug/l	97
26) 2,2-Dichloropropane	7.21	77	157520	11.153	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	99034	9.523	ug/l	99
28) Bromochloromethane	7.54	49	41410	7.773	ug/l	97
29) Tetrahydrofuran	7.57	42	71866	58.788	ug/l	96
30) Chloroform	7.71	83	159873	9.590	ug/l	98
31) Cyclohexane	7.98	56	169683	11.700	ug/l	# 94
32) 1,1,1-Trichloroethane	7.90	97	153885	9.898	ug/l	99
36) 1,1-Dichloropropene	8.11	75	127574	10.056	ug/l	98
37) Ethyl Acetate	7.31	43	51240	12.508	ug/l	97
38) Carbon Tetrachloride	8.10	117	136114	9.917	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165617	10.744	ug/l	99
40) Benzene	8.35	78	340305	9.885	ug/l	97
41) Methacrylonitrile	7.53	41	29491	12.020	ug/l #	88
42) 1,2-Dichloroethane	8.43	62	101560	10.985	ug/l	97
43) Isopropyl Acetate	8.46	43	109266	13.057	ug/l	99
44) Trichloroethene	9.11	130	104544	10.066	ug/l	97
45) 1,2-Dichloropropane	9.39	63	83544	10.362	ug/l	100
46) Dibromomethane	9.48	93	43622	9.216	ug/l	96
47) Bromodichloromethane	9.67	83	121467	10.082	ug/l	93
48) Methyl methacrylate	9.46	41	52970	13.639	ug/l	98
49) 1,4-Dioxane	9.46	88	10533	197.092	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	258715	58.840	ug/l	99
52) Toluene	10.41	92	225412	9.482	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	119365	10.533	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	140276	10.488	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	58916	8.858	ug/l	95
56) Ethyl methacrylate	10.66	69	83660	11.162	ug/l	96
57) 1,3-Dichloropropane	10.95	76	104591	9.426	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	160383	52.398	ug/l	99
59) 2-Hexanone	10.99	43	182743	58.662	ug/l	99
60) Dibromochloromethane	11.14	129	84094	9.293	ug/l	98
61) 1,2-Dibromoethane	11.25	107	58497	8.822	ug/l	94
64) Tetrachloroethene	10.88	164	92995	11.020	ug/l	96
65) Chlorobenzene	11.67	112	237425	9.966	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	90671	10.133	ug/l	99
67) Ethyl Benzene	11.75	91	436037	10.260	ug/l	99
68) m/p-Xylenes	11.86	106	329206	19.432	ug/l	98
69) o-Xylene	12.18	106	156347	10.097	ug/l	98
70) Styrene	12.20	104	266422	9.999	ug/l	99
71) Bromoform	12.36	173	51098	10.567	ug/l #	99
73) Isopropylbenzene	12.48	105	424398	10.857	ug/l	99
74) N-amyl acetate	12.29	43	99622	14.386	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	62096	10.134	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	47224m	12.330	ug/l	
77) Bromobenzene	12.77	156	102752	10.848	ug/l	99
78) n-propylbenzene	12.83	91	483379	10.593	ug/l	99
79) 2-Chlorotoluene	12.91	91	273930	11.083	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	344547	10.600	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22796	12.010	ug/l	99
82) 4-Chlorotoluene	13.01	91	282420	10.775	ug/l	98
83) tert-Butylbenzene	13.23	119	312006	10.714	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	338351	10.387	ug/l	99
85) sec-Butylbenzene	13.41	105	409574	10.310	ug/l	100
86) p-Isopropyltoluene	13.52	119	387517	10.391	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	187464	10.077	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	180343	9.780	ug/l	95
89) n-Butylbenzene	13.85	91	355667	10.362	ug/l	98
90) Hexachloroethane	14.11	117	71442	10.183	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	160187	9.998	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11095	11.989	ug/l	97

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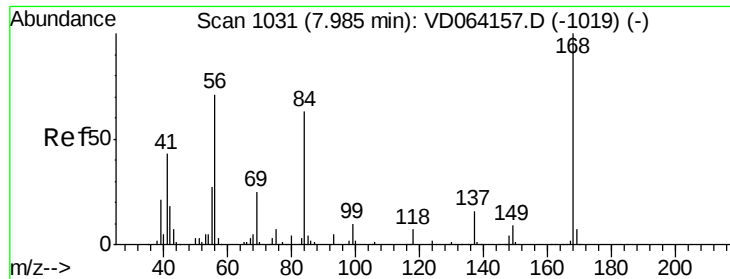
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	118828	10.207	ug/l	97
94) Hexachlorobutadiene	15.27	225	79964	11.553	ug/l	99
95) Naphthalene	15.41	128	194938	10.304	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	102189	10.111	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 959664

Ion Ratio Lower Upper

168 100

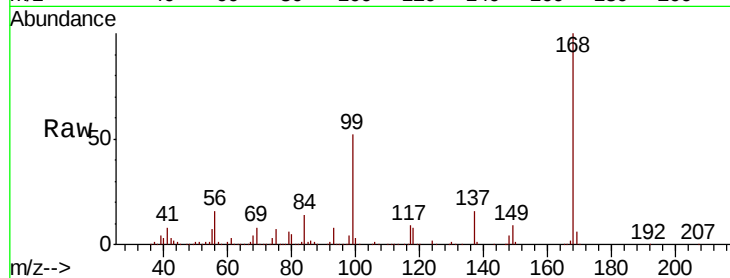
99 51.8 41.6 62.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

500000

400000

300000

200000

100000

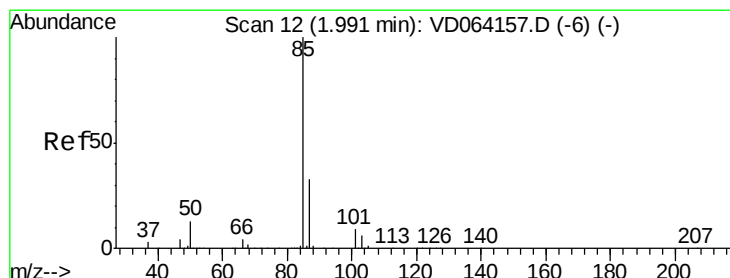
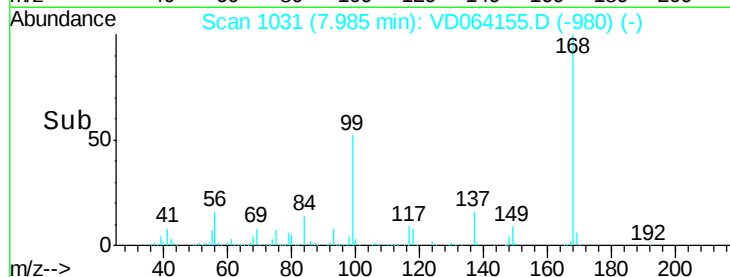
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 8.599 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064155.D

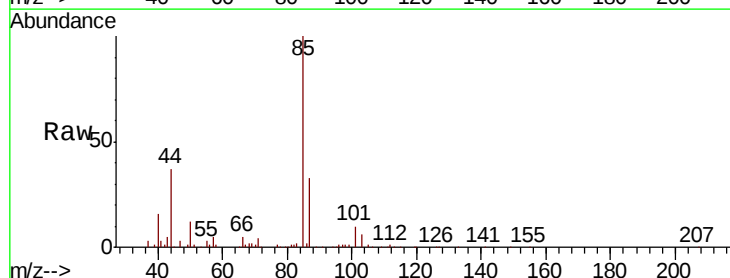
Acq: 08 Nov 2019 14:07

Tgt Ion: 85 Resp: 82127

Ion Ratio Lower Upper

85 100

87 33.0 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

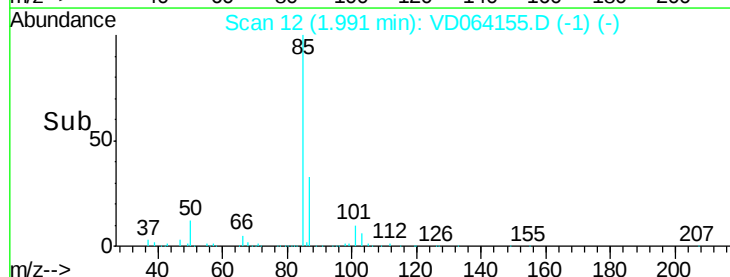
1.95

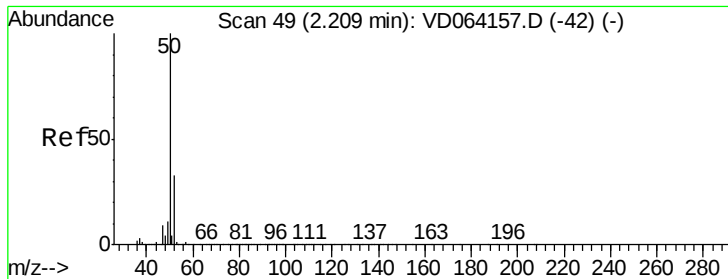
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 5.961 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 90173

Ion Ratio Lower Upper

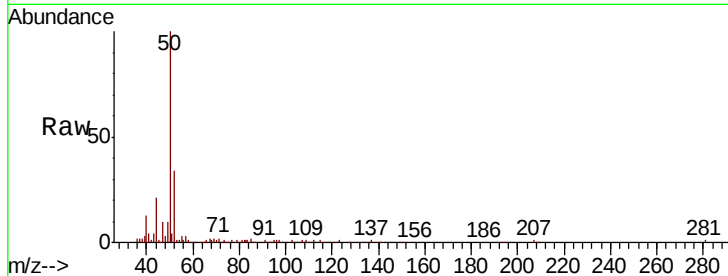
50 100

52 33.6 26.2 39.4

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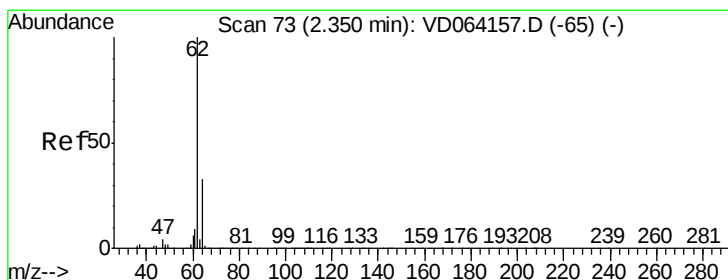
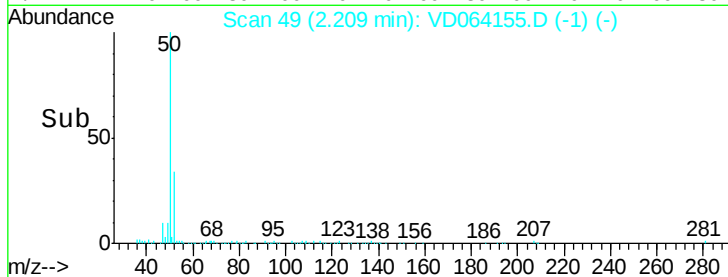
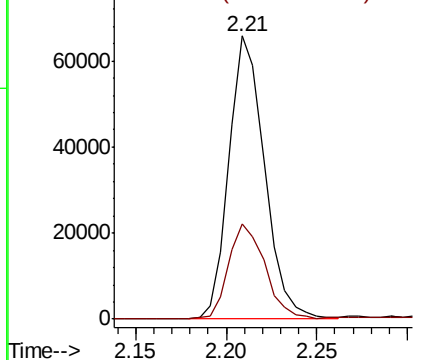
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 5.857 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD064155.D

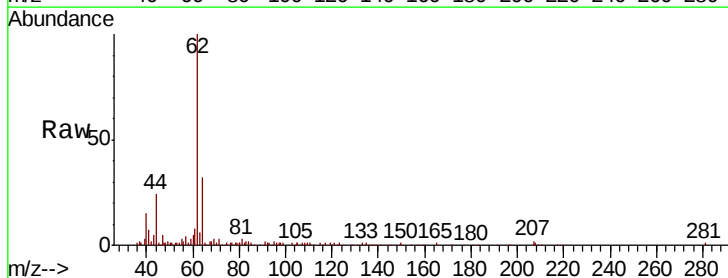
Acq: 08 Nov 2019 14:07

Tgt Ion: 62 Resp: 95706

Ion Ratio Lower Upper

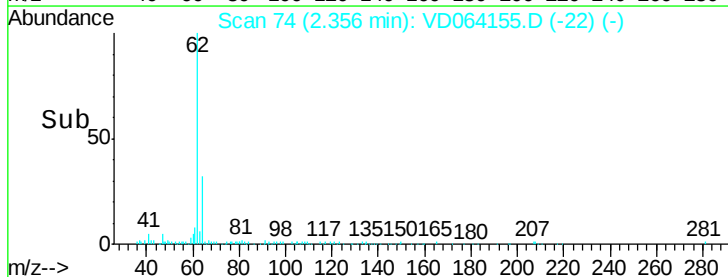
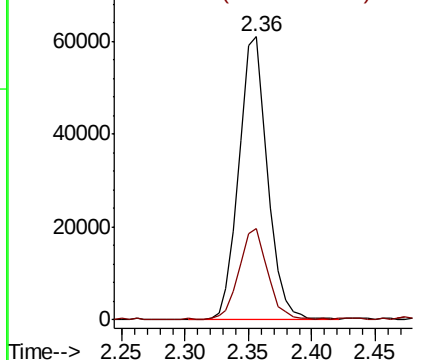
62 100

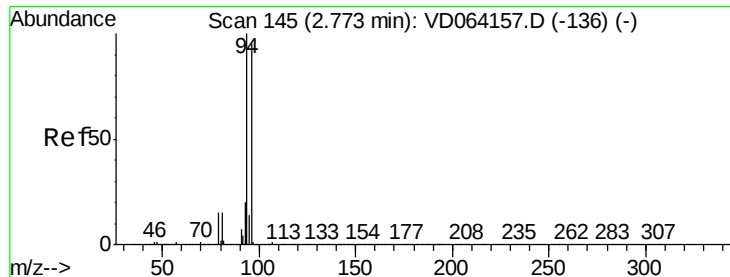
64 32.0 26.2 39.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 5.563 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 94 Resp: 58787

Ion Ratio Lower Upper

94 100

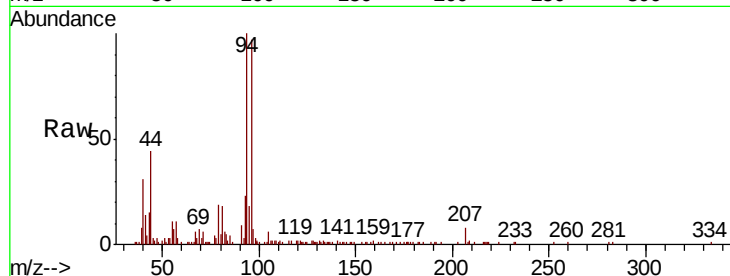
96 96.5 76.2 114.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.78

30000

25000

20000

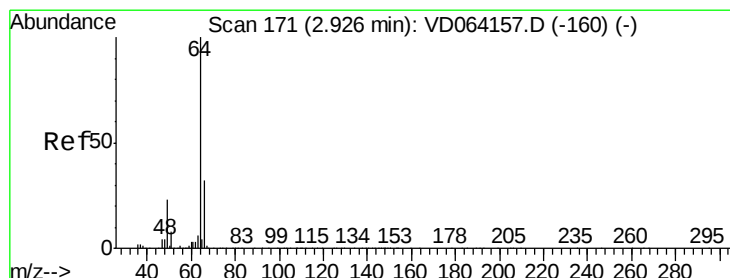
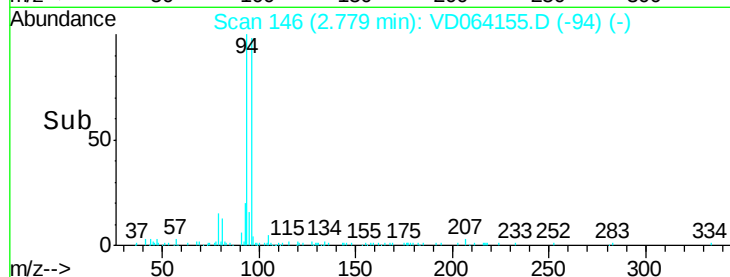
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 5.884 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD064155.D

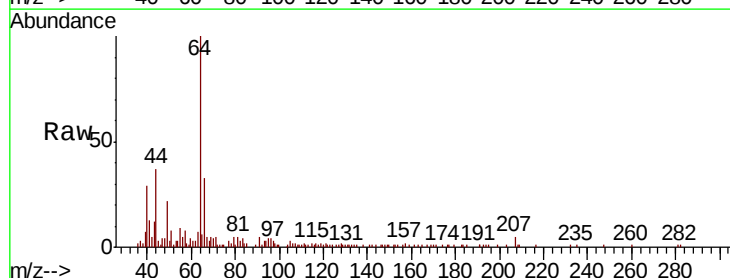
Acq: 08 Nov 2019 14:07

Tgt Ion: 64 Resp: 59963

Ion Ratio Lower Upper

64 100

66 32.5 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

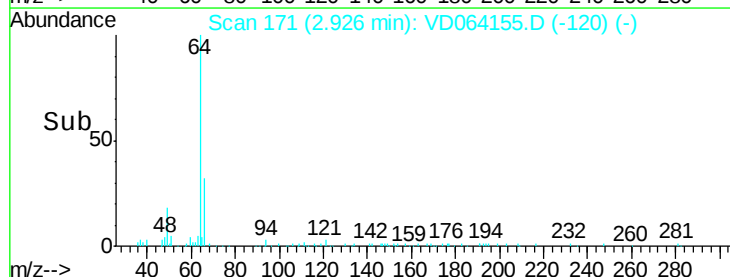
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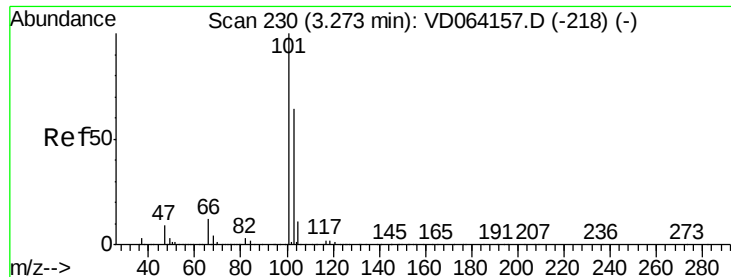
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10000

0

Time-->





#7

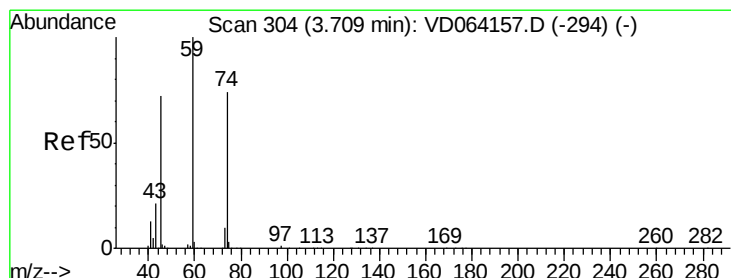
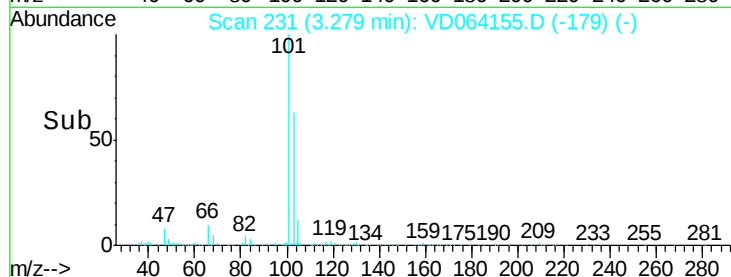
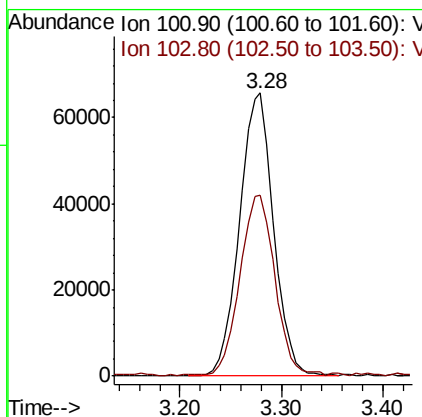
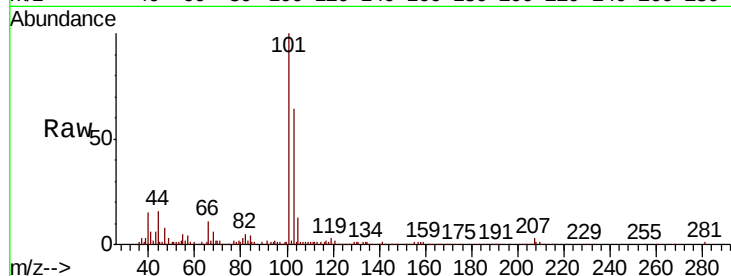
Trichlorofluoromethane
Concen: 6.703 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
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ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	50.8	76.2

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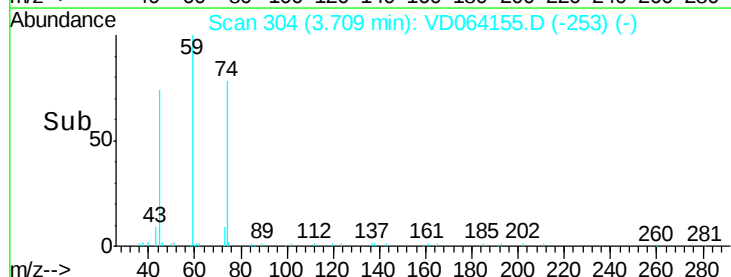
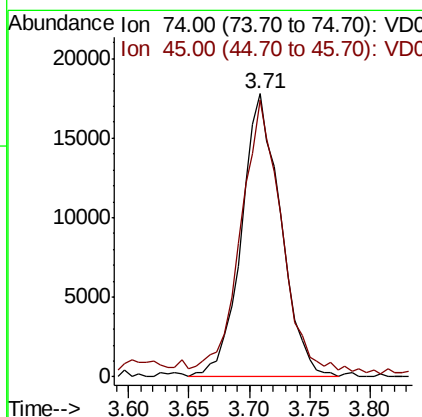
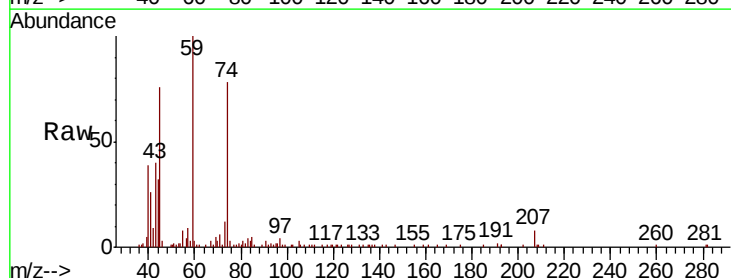
MMDadoda
11/13/2019 11:06:38 AM

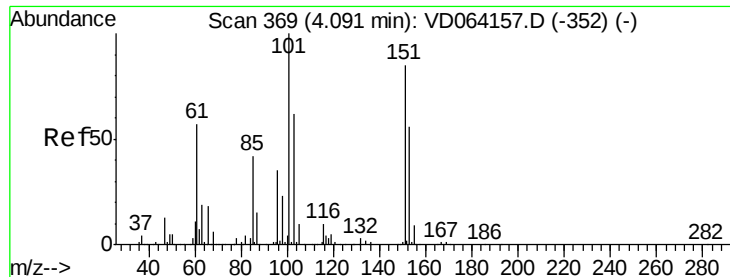


#8

Diethyl Ether
Concen: 9.482 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.0	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 10.269 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064155.D

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Instrument :

MSVOA_D

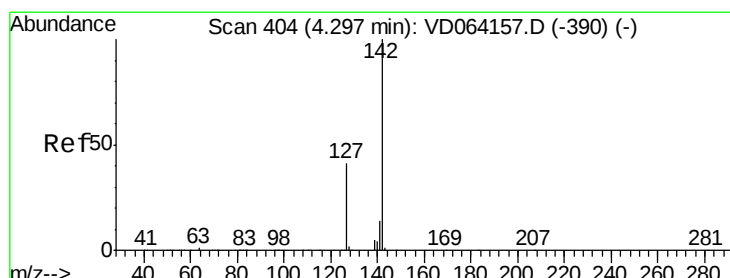
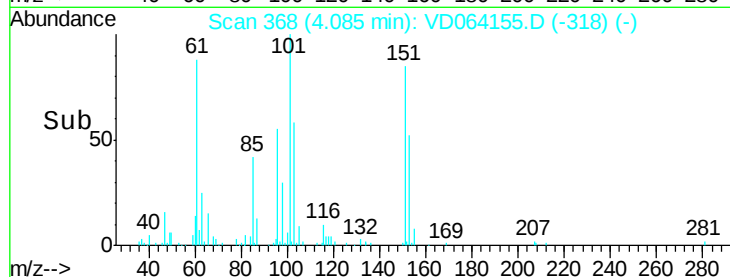
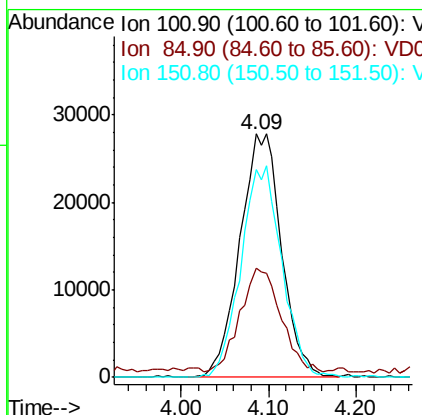
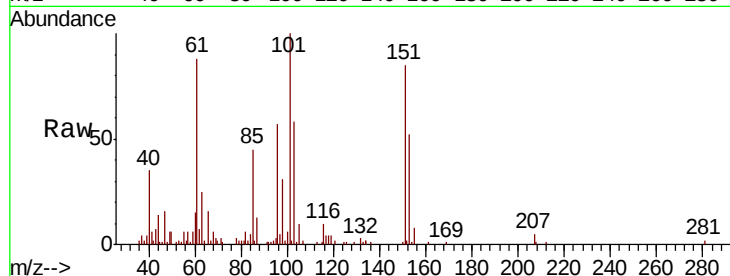
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	90054
Ion Ratio	Lower	Upper	
101	100		
85	42.2	34.4	51.6
151	85.4	68.1	102.1

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#10

Methyl Iodide

Concen: 6.601 ug/l

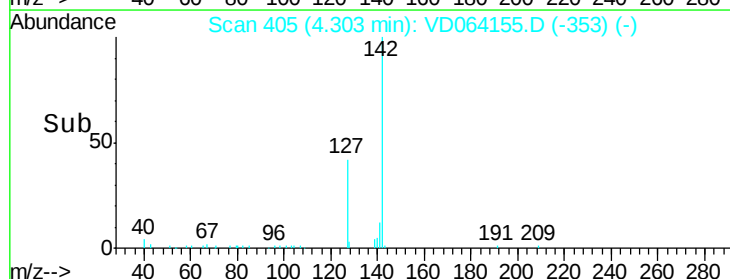
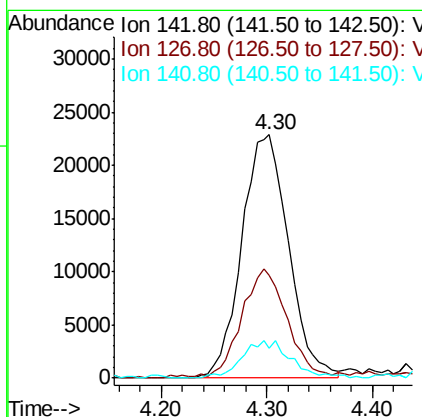
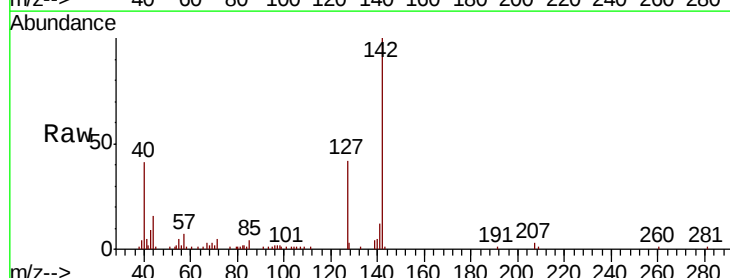
RT: 4.30 min Scan# 405

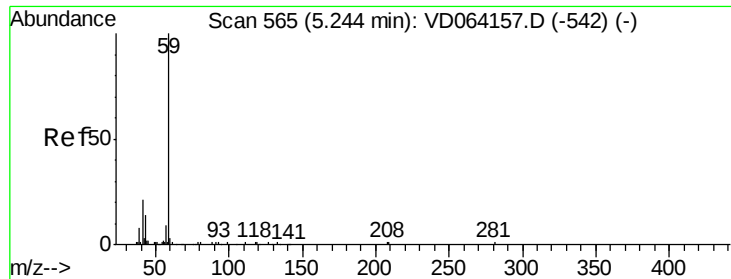
Delta R.T. 0.01 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	142	Resp:	70294
Ion Ratio	Lower	Upper	
142	100		
127	42.8	34.4	51.6
141	16.1	11.2	16.8





#11

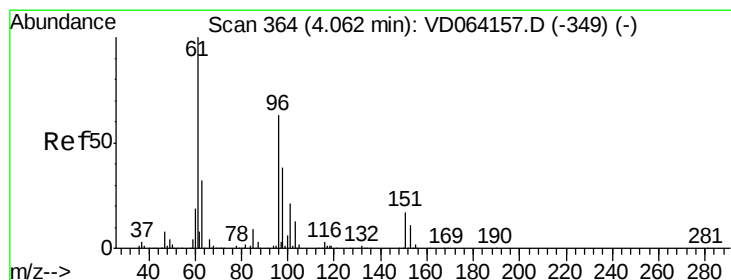
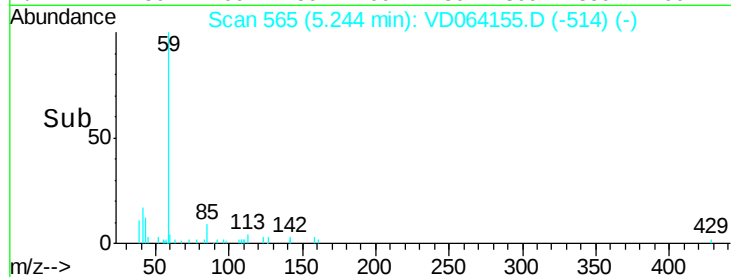
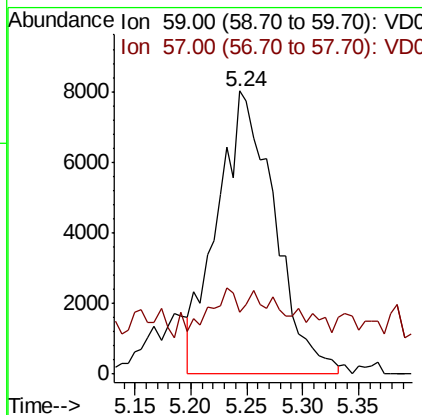
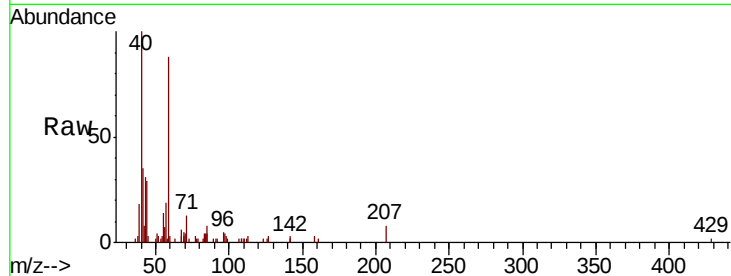
Tert butyl alcohol
 Concen: 66.244 ug/l m
 RT: 5.24 min Scan# 565
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion: 59 Resp: 28660
 Ion Ratio Lower Upper
 59 100
 57 6.7 9.4 14.2#

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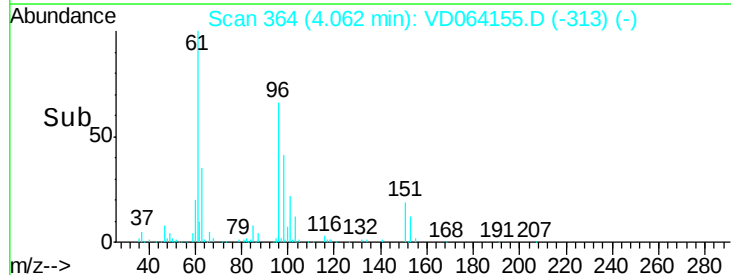
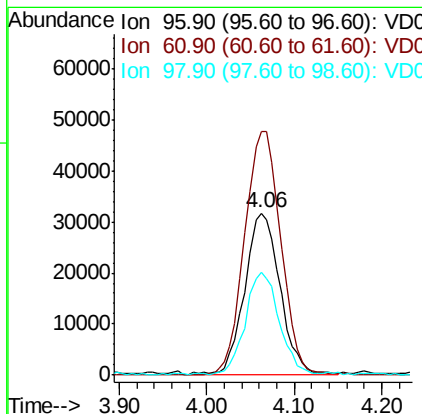
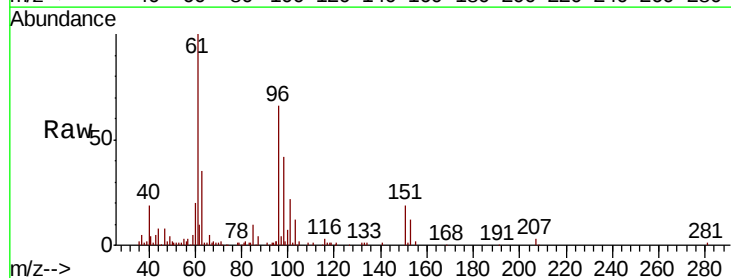
MMDadoda
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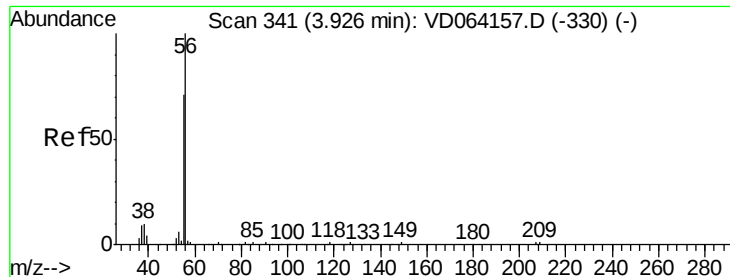


#12

1,1-Dichloroethene
 Concen: 10.533 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion: 96 Resp: 88029
 Ion Ratio Lower Upper
 96 100
 61 150.4 127.4 191.2
 98 63.2 48.1 72.1





#13

Acrolein

Concen: 39.066 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 56 Resp: 19412

Ion Ratio Lower Upper

56 100

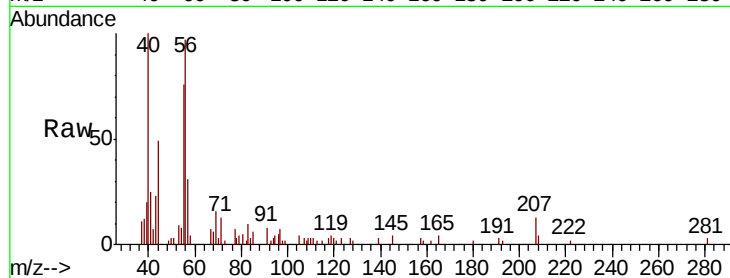
55 57.1 56.1 84.1

Manual Integrations

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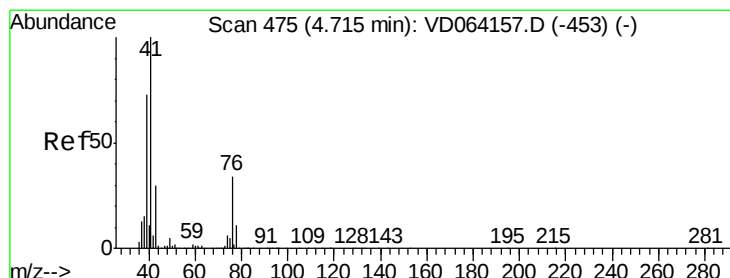
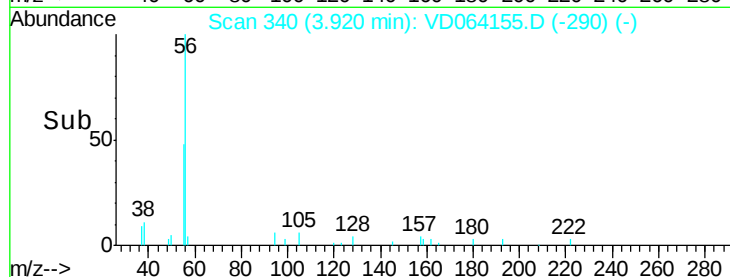
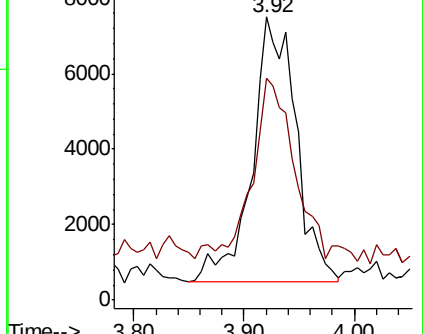
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 13.684 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

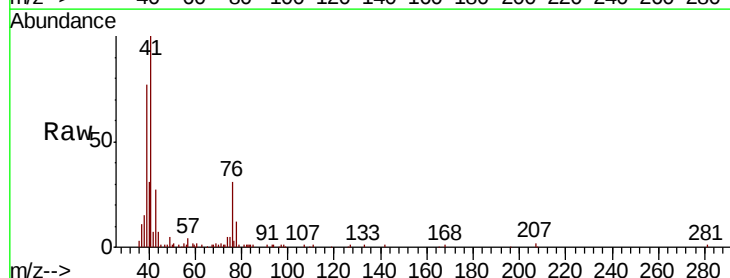
Tgt Ion: 41 Resp: 145091

Ion Ratio Lower Upper

41 100

39 72.8 57.5 86.3

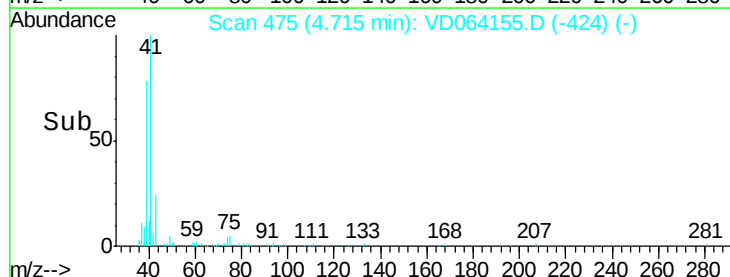
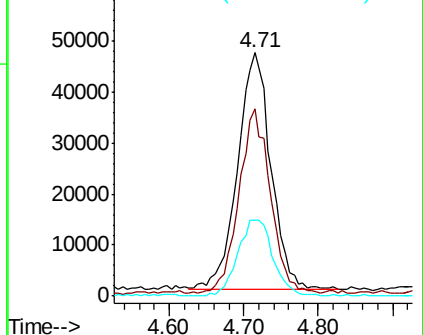
76 33.7 26.8 40.2

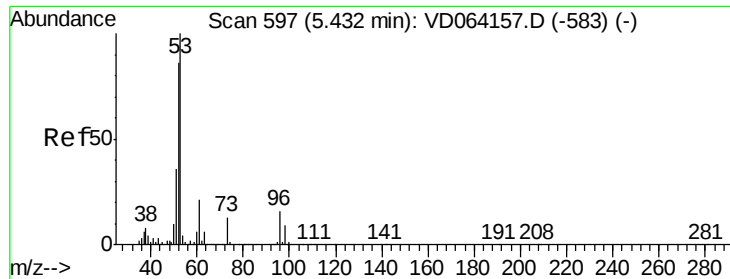


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 53.062 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

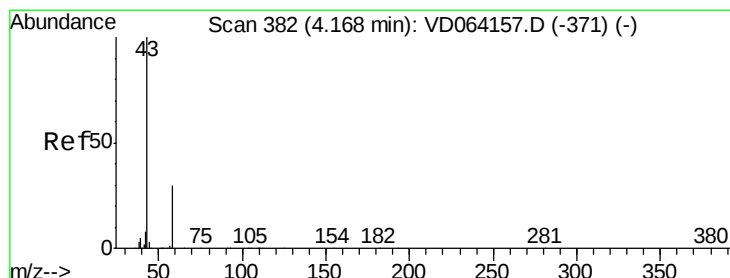
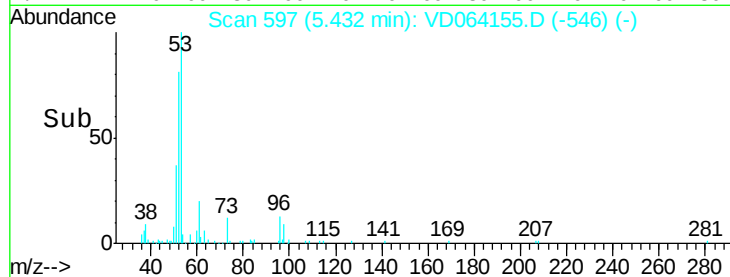
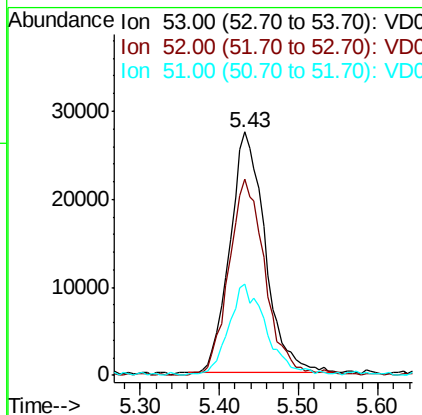
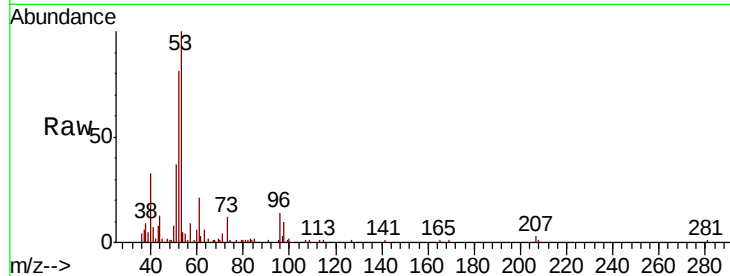
ClientSampleId :

VSTDIC010

Tot Ion:	53	Resp:	84765
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.7	100.1
51	40.4	30.6	46.0

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#16

Acetone

Concen: 55.285 ug/l

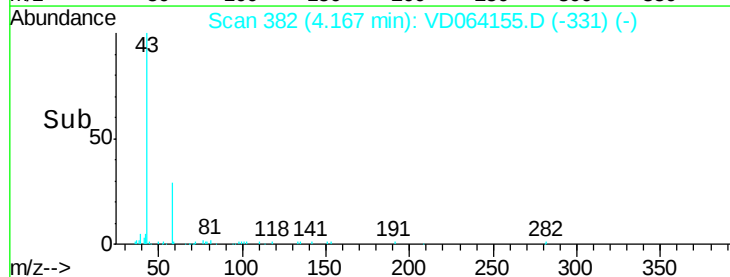
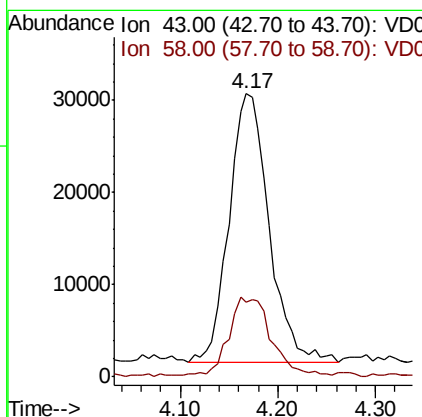
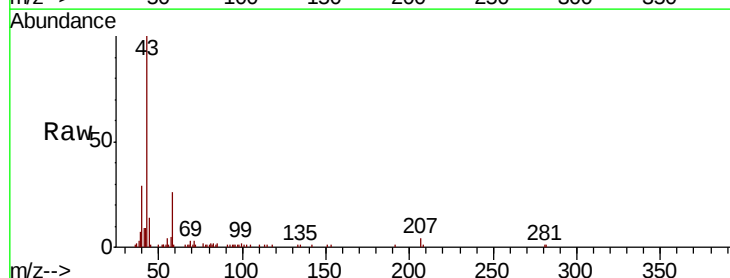
RT: 4.17 min Scan# 382

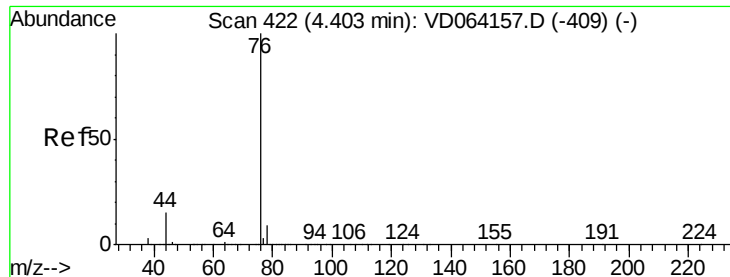
Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	43	Resp:	83687
Ion	Ratio	Lower	Upper
43	100		
58	26.5	24.1	36.1





#17

Carbon Disulfide

Concen: 9.963 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 76 Resp: 256085

Ion Ratio Lower Upper

76 100

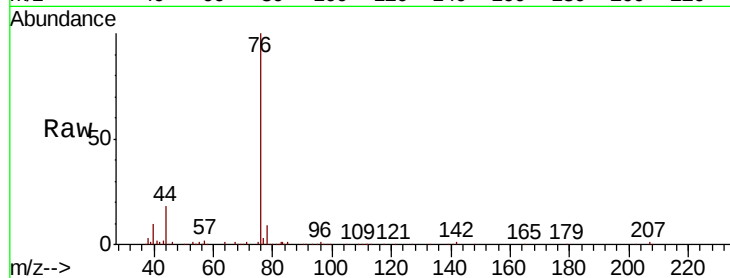
78 9.0 7.2 10.8

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

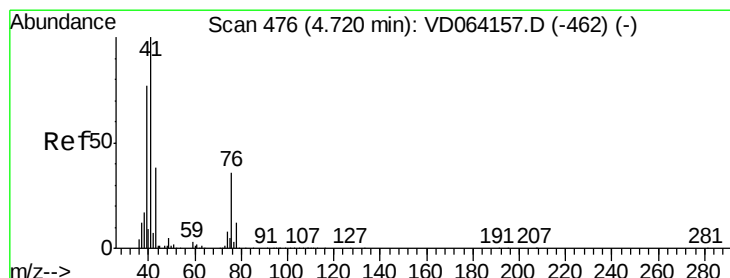
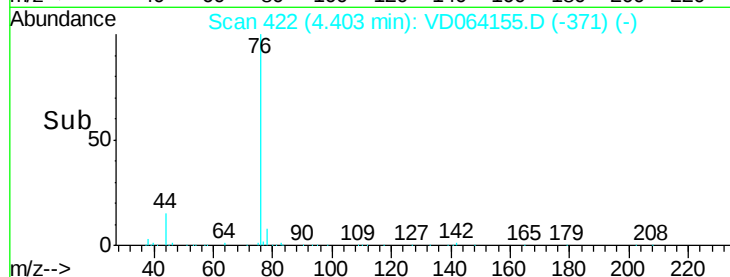
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 12.109 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD064155.D

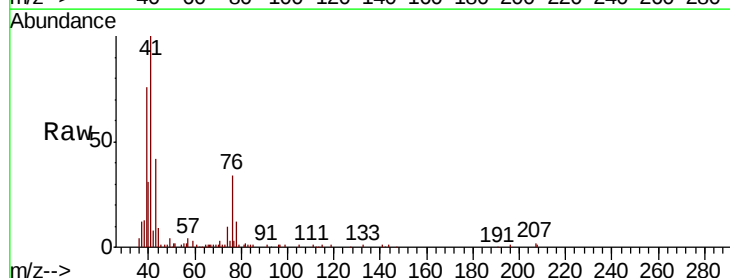
Acq: 08 Nov 2019 14:07

Tgt Ion: 43 Resp: 49622

Ion Ratio Lower Upper

43 100

74 22.8 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

20000

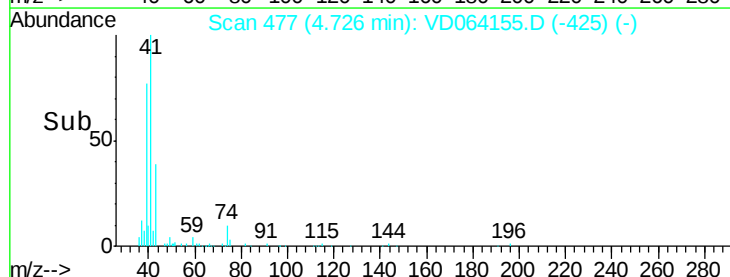
15000

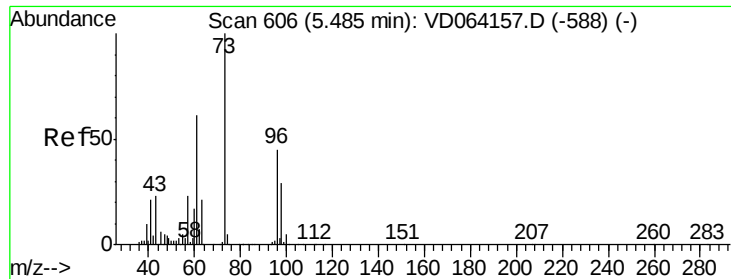
10000

5000

0

Time-->





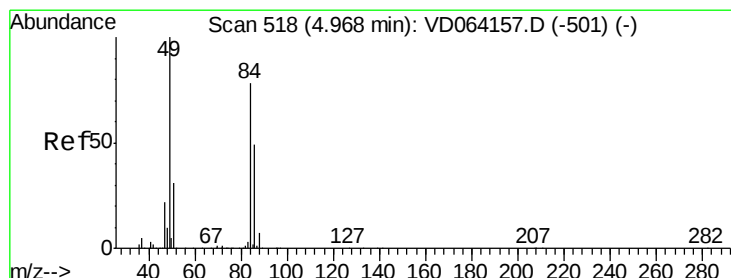
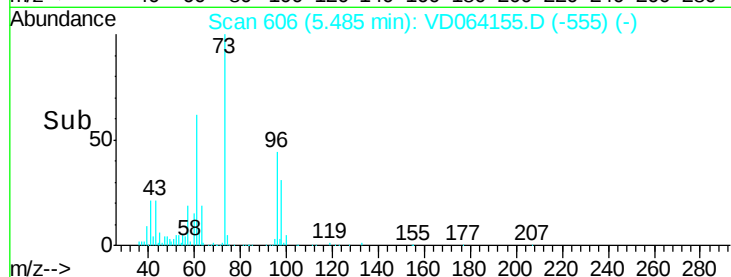
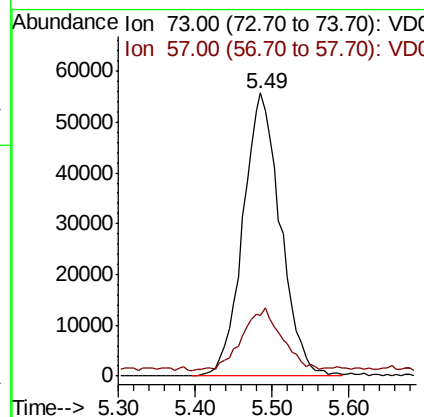
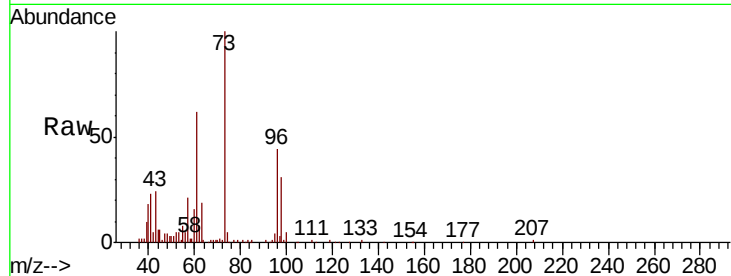
#19
Methvl tert-butvl Ether
Concen: 10.889 ug/l
RT: 5.49 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.2	18.4	27.6

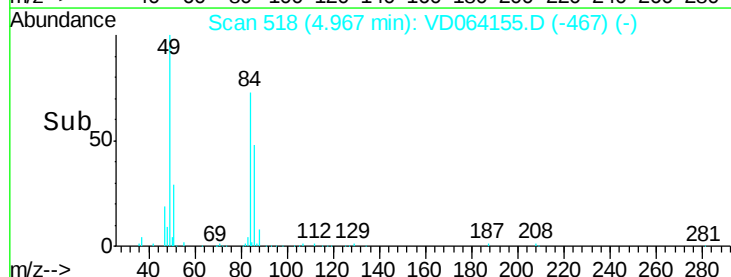
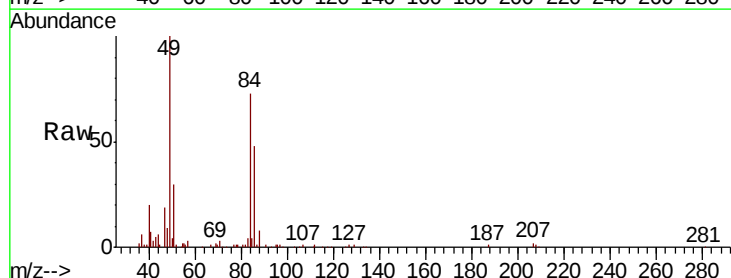
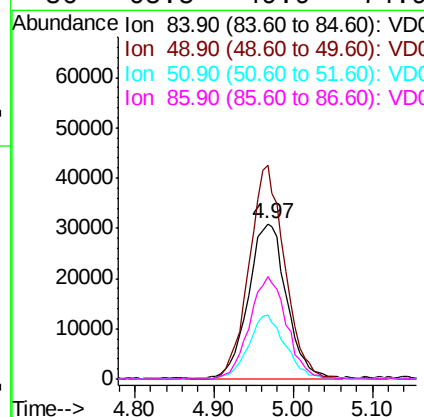
Manual Integrations
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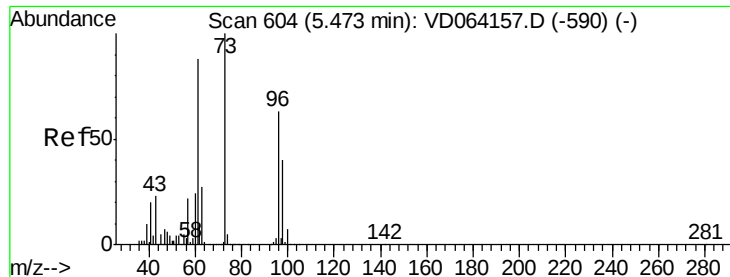
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11/13/2019 11:06:38 AM



#20
Methylene Chloride
Concen: 10.115 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
84	100		
49	137.3	102.1	153.1
51	40.3	32.2	48.2
86	65.5	49.9	74.9





#21

trans-1,2-Dichloroethene

Concen: 9.890 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

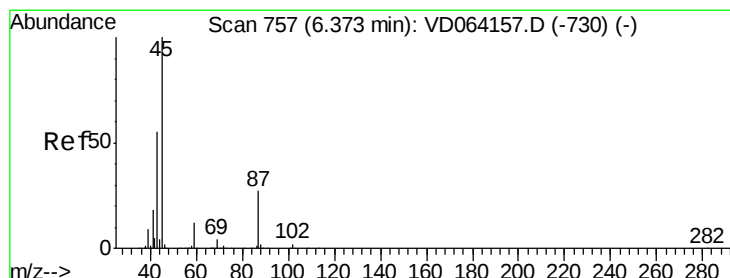
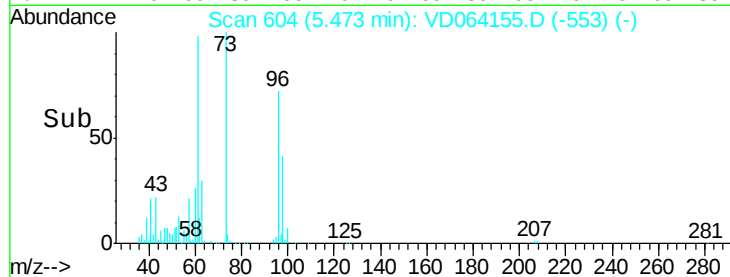
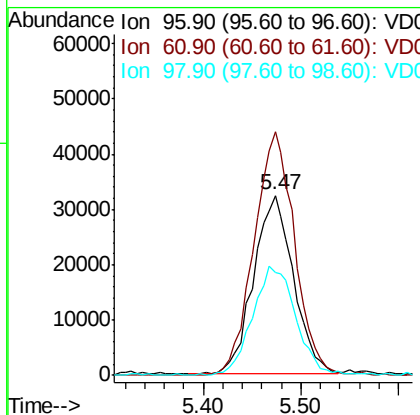
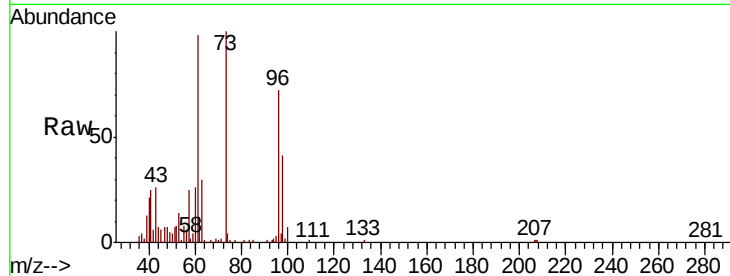
ClientSampleId :

VSTDIC010

Tot Ion:	96	Resp:	92618
Ion	Ratio	Lower	Upper
96	100		
61	136.1	111.8	167.6
98	57.0	50.3	75.5

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#22

Diisopropyl ether

Concen: 11.875 ug/l

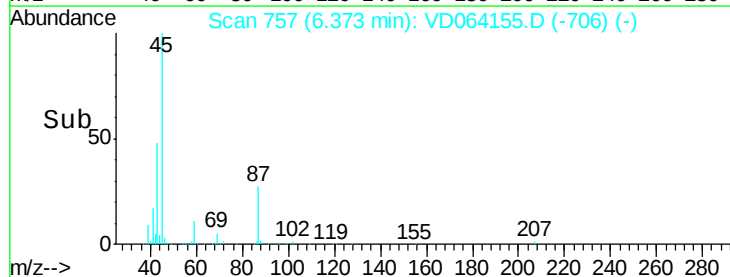
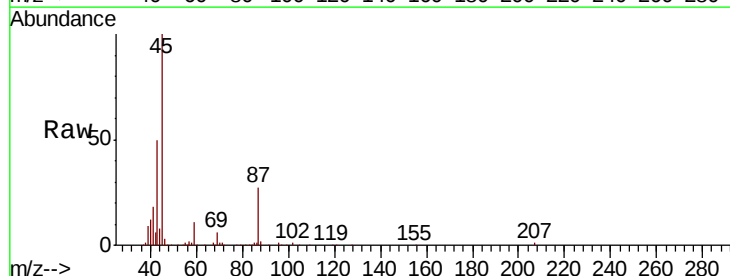
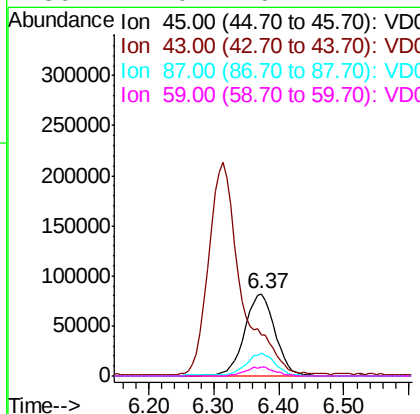
RT: 6.37 min Scan# 757

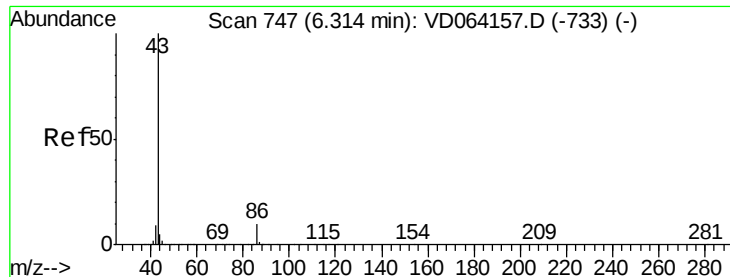
Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	45	Resp:	267365
Ion	Ratio	Lower	Upper
45	100		
43	47.8	44.4	66.6
87	27.1	21.9	32.9
59	11.0	9.4	14.2





#23

Vinyl Acetate

Concen: 59.038 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 731235

Ion Ratio Lower Upper

43 100

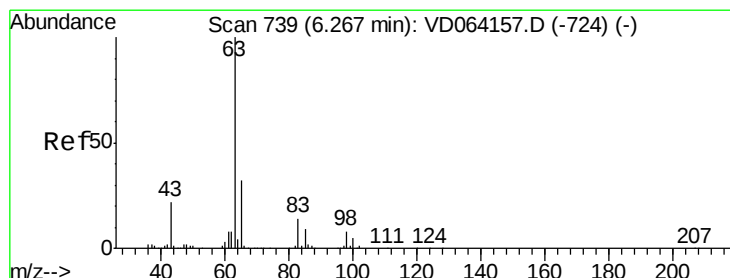
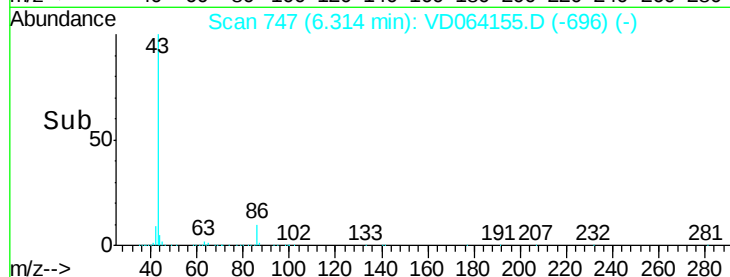
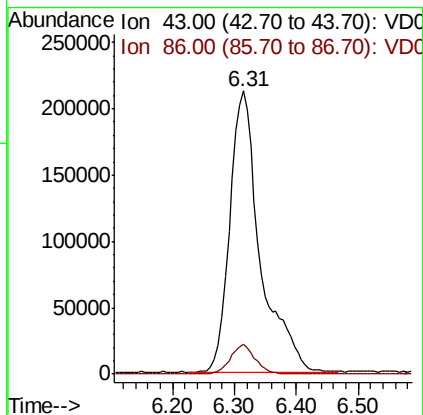
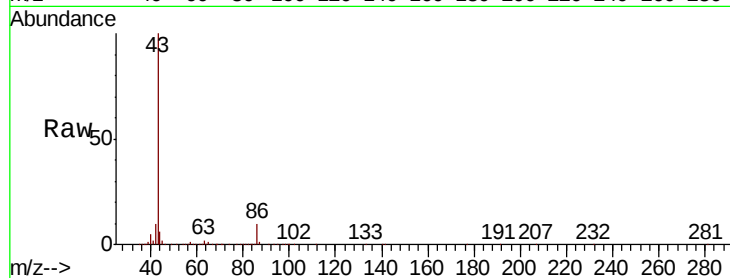
86 10.5 8.2 12.2

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#24

1,1-Dichloroethane

Concen: 10.406 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

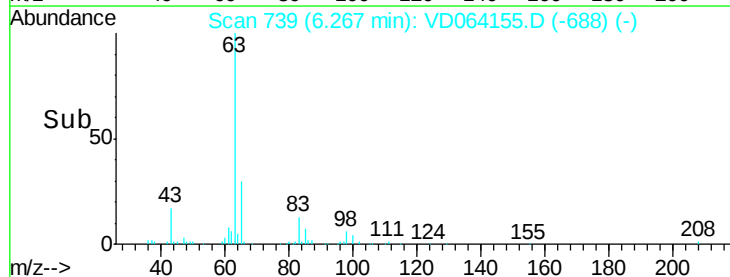
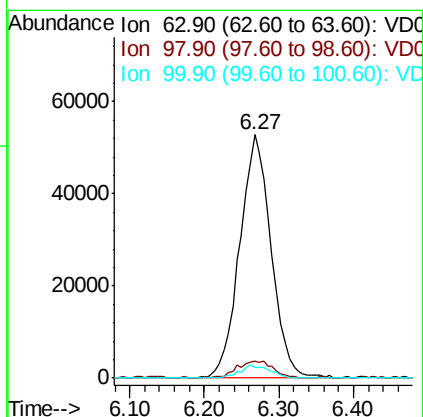
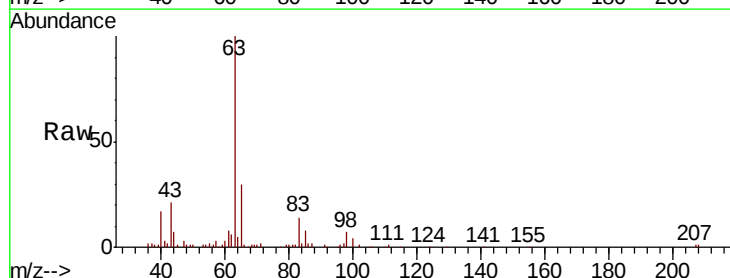
Tgt Ion: 63 Resp: 154158

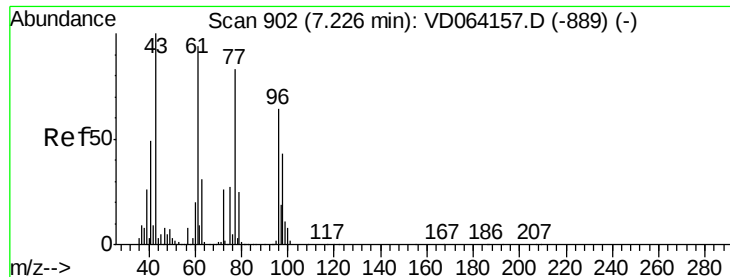
Ion Ratio Lower Upper

63 100

98 6.9 3.8 11.4

100 4.2 2.4 7.2





#25

2-Butanone

Concen: 56.230 ug/l

RT: 7.23 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 116844

Ion Ratio Lower Upper

43 100

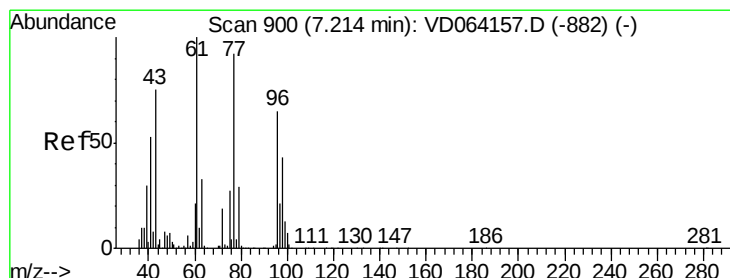
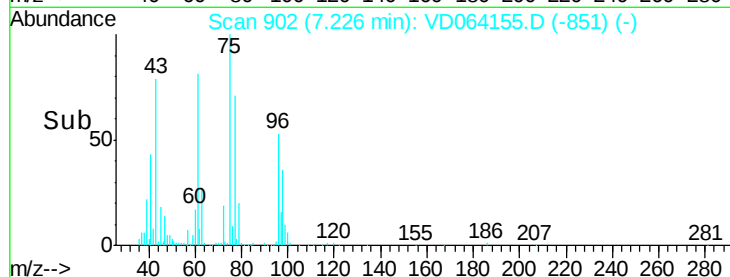
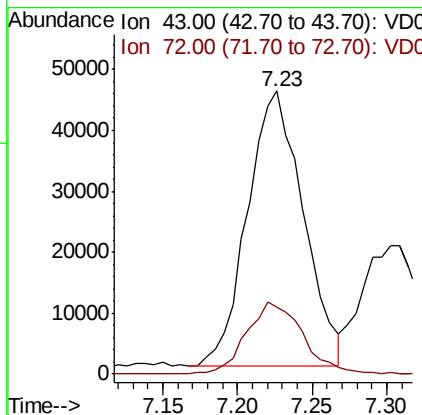
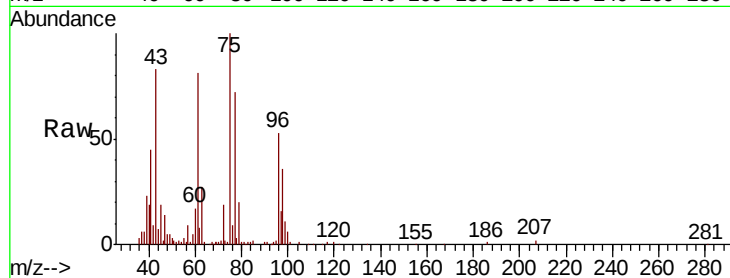
72 24.3 20.6 30.8

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 11.153 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064155.D

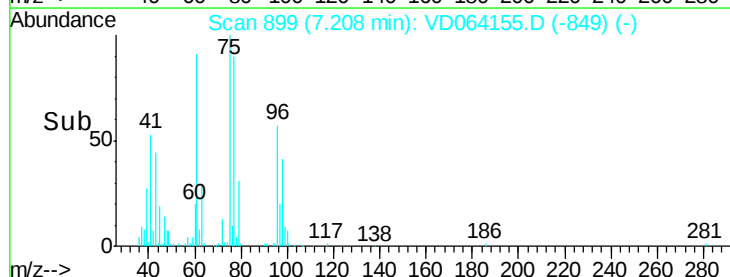
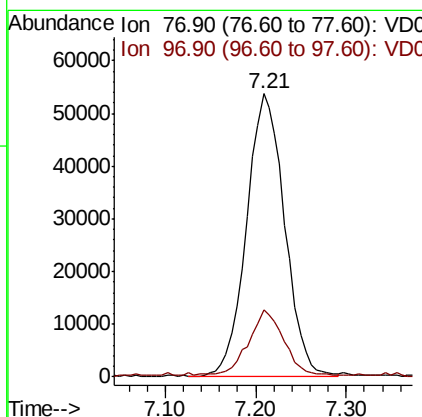
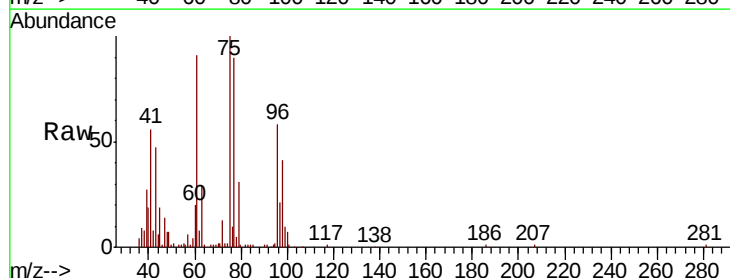
Acq: 08 Nov 2019 14:07

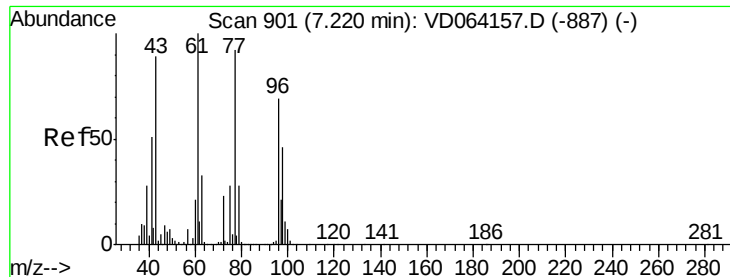
Tgt Ion: 77 Resp: 157520

Ion Ratio Lower Upper

77 100

97 21.7 11.1 33.3





#27

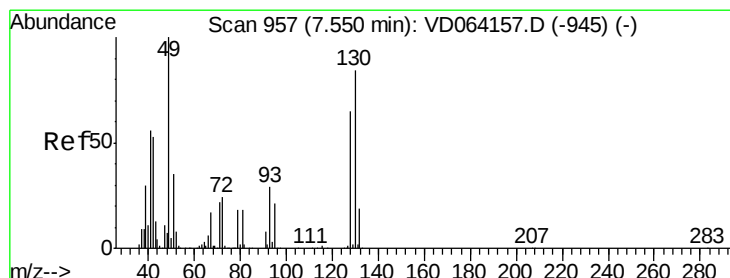
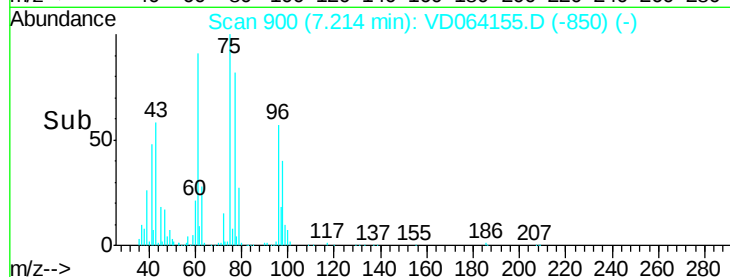
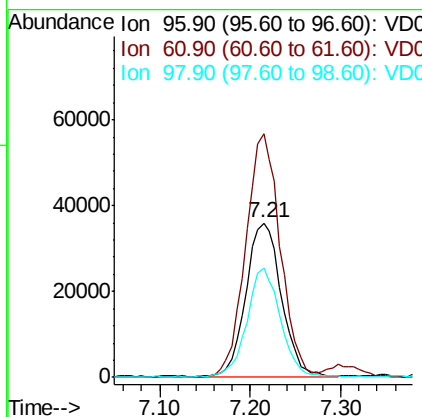
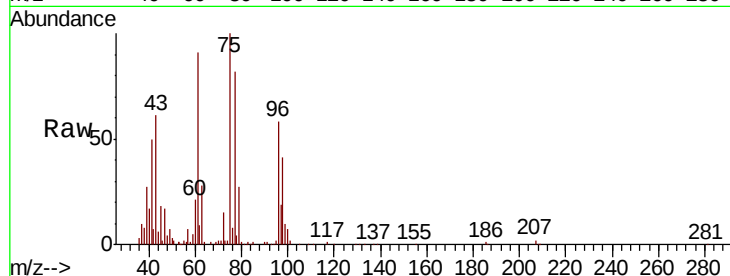
cis-1,2-Dichloroethene
Concen: 9.523 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.01 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.5	0.0	301.4
98	67.1	0.0	133.2

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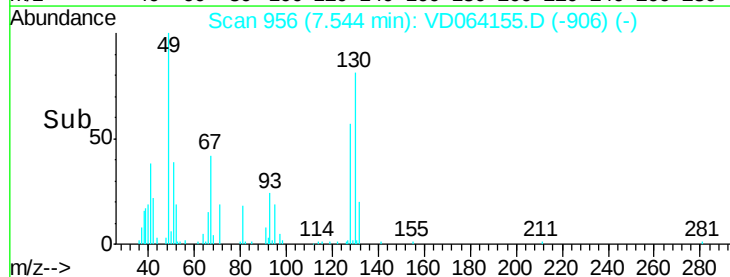
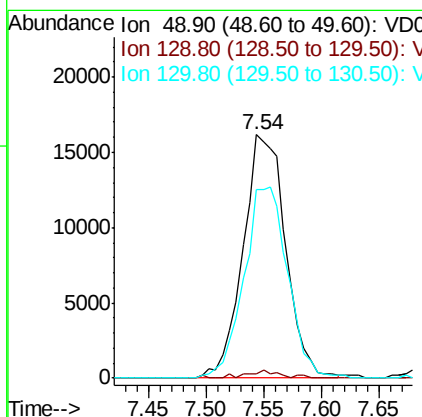
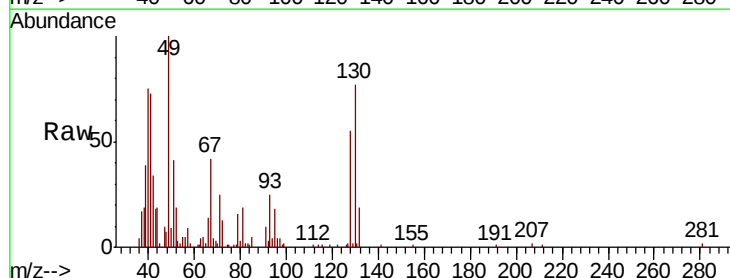
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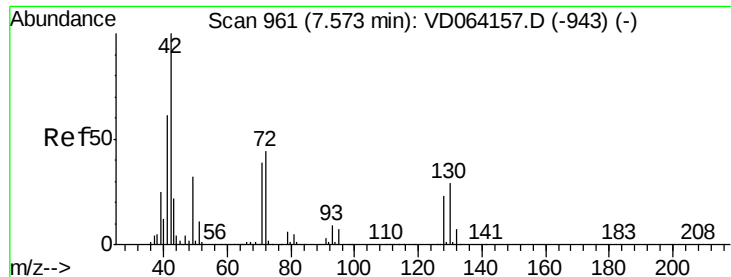


#28

Bromochloromethane
Concen: 7.773 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.4
130	80.9	66.8	100.2





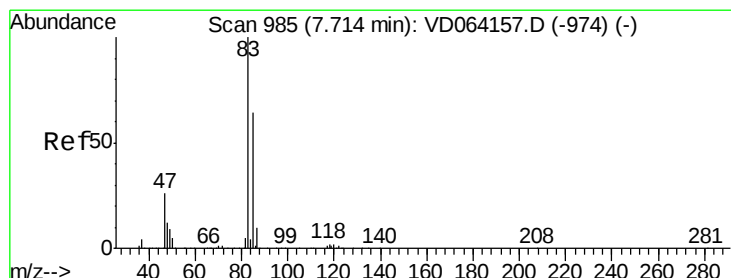
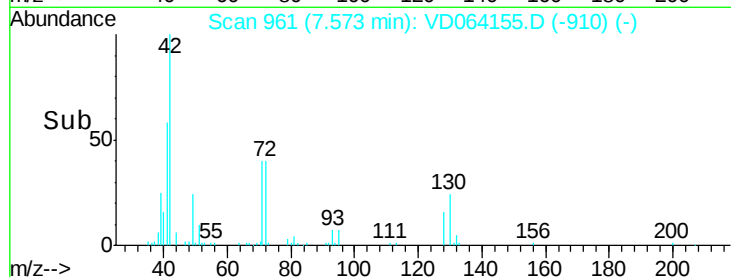
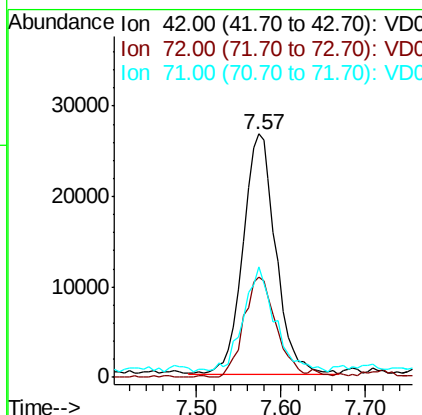
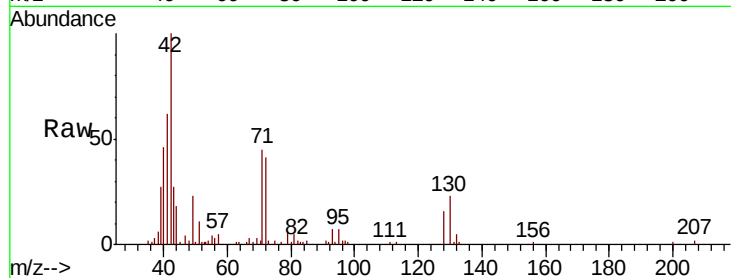
#29
Tetrahydrofuran
Concen: 58.788 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	33.4	50.2
71	43.1	31.0	46.4

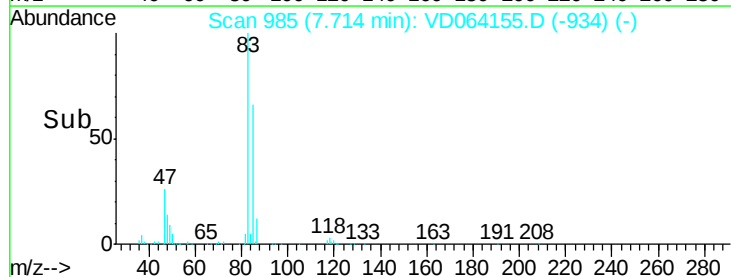
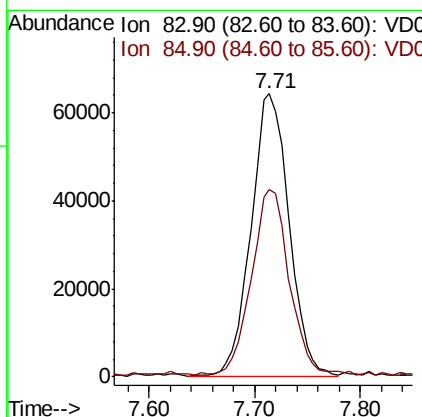
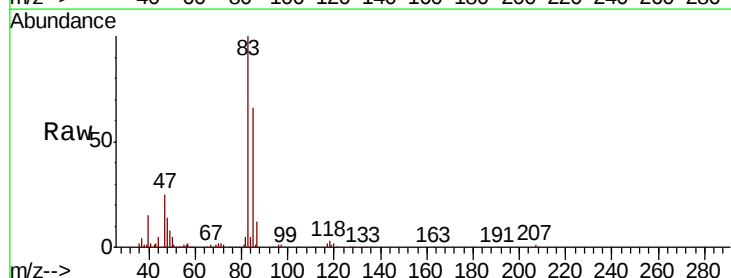
Manual Integrations
APPROVED

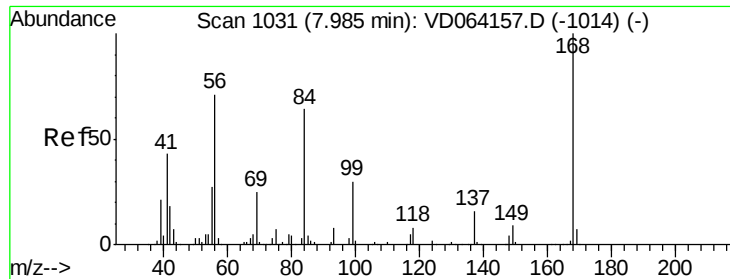
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11/13/2019 11:06:38 AM



#30
Chloroform
Concen: 9.590 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0





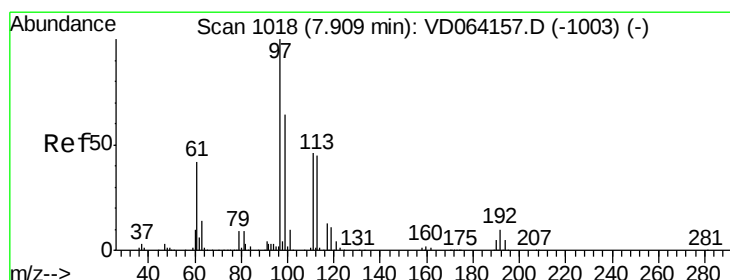
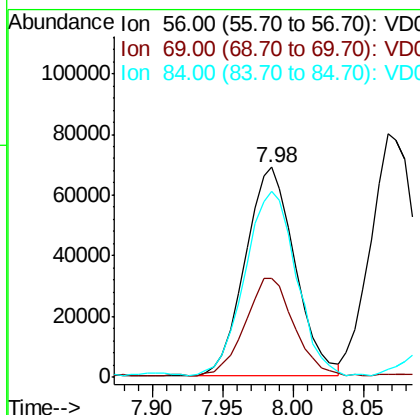
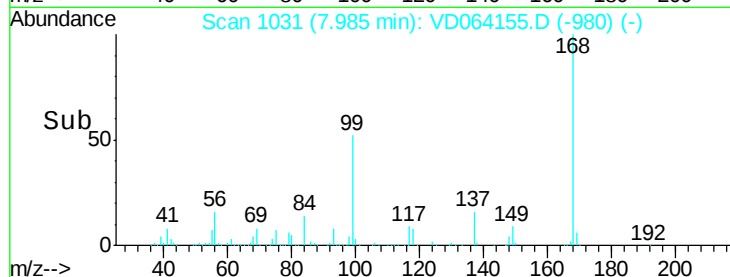
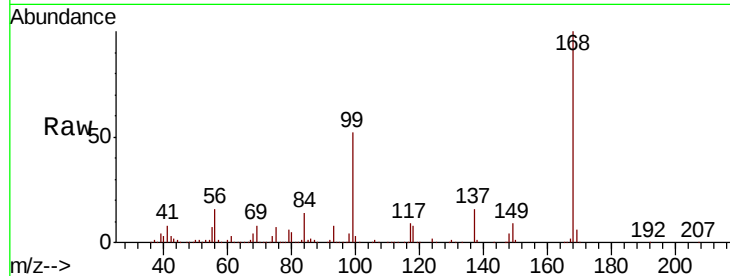
#31
Cyclohexane
Concen: 11.700 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	46.3	28.2	42.4	
84	88.6	71.8	107.6	

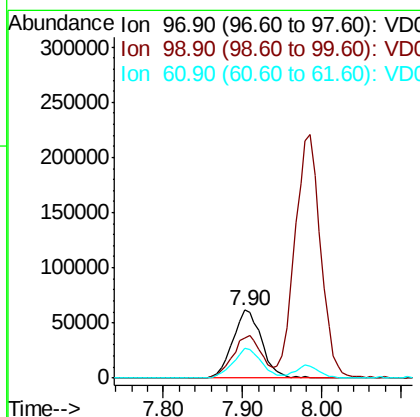
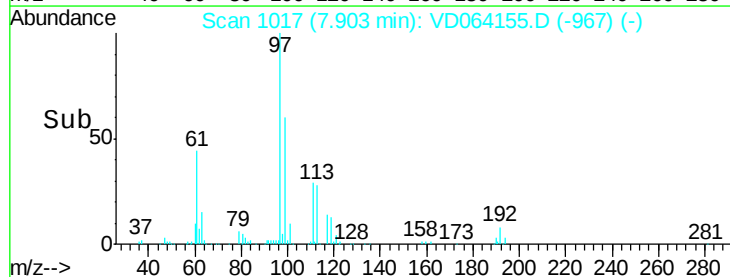
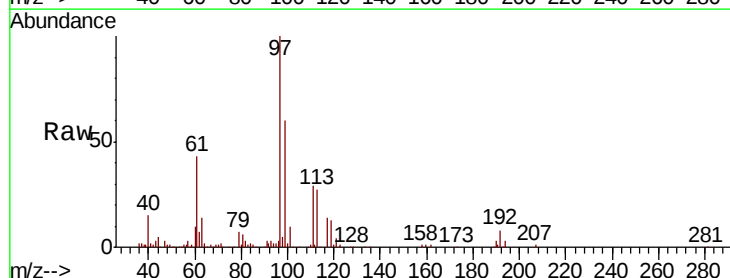
Manual Integrations
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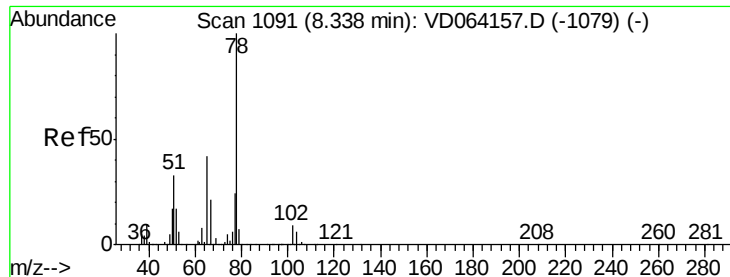
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#32
1,1,1-Trichloroethane
Concen: 9.898 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.6	51.6	77.4	
61	43.3	34.2	51.2	





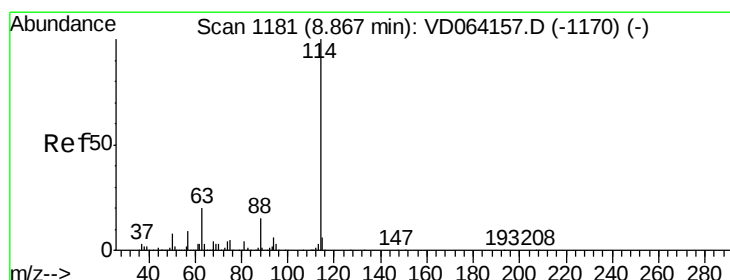
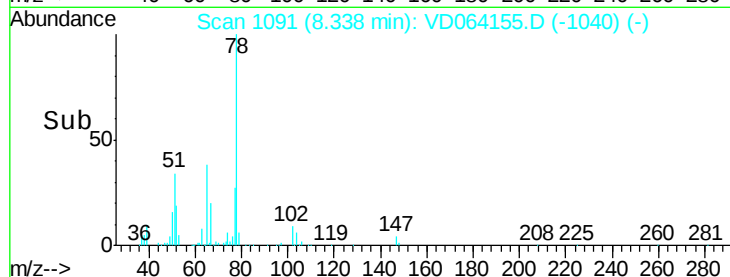
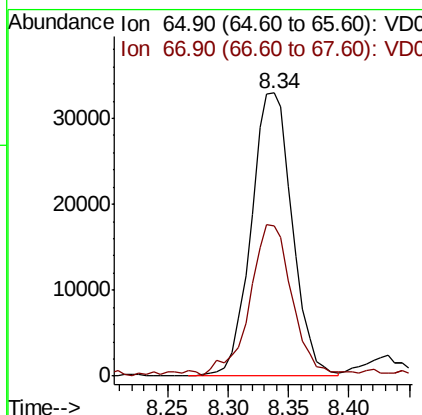
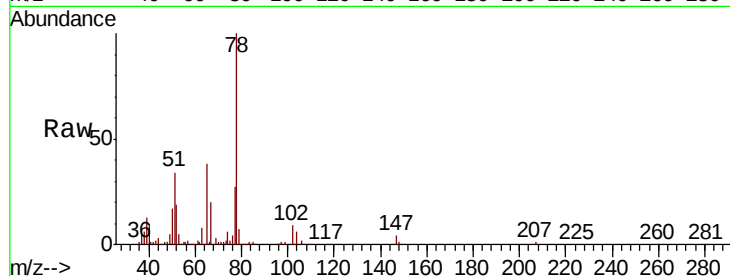
#33
 1,2-Dichloroethane-d4
 Concen: 9.987 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.5	0.0	104.4

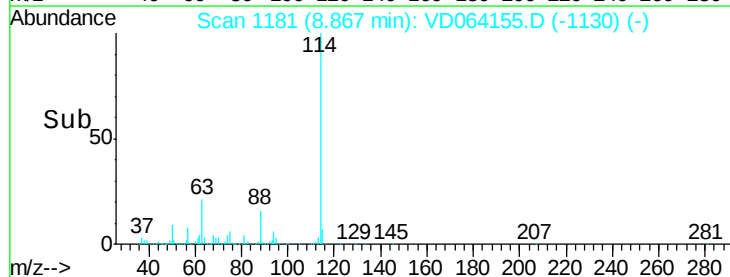
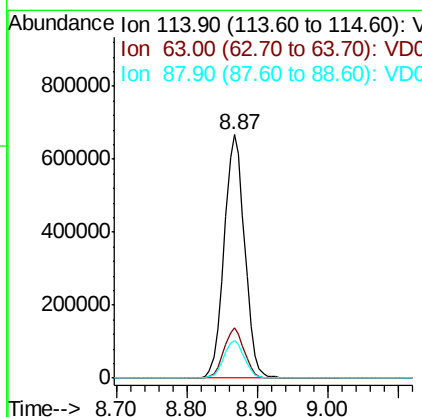
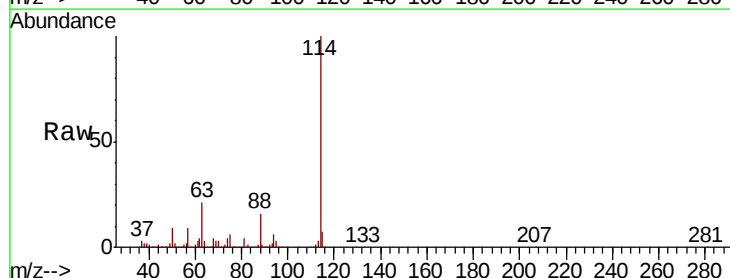
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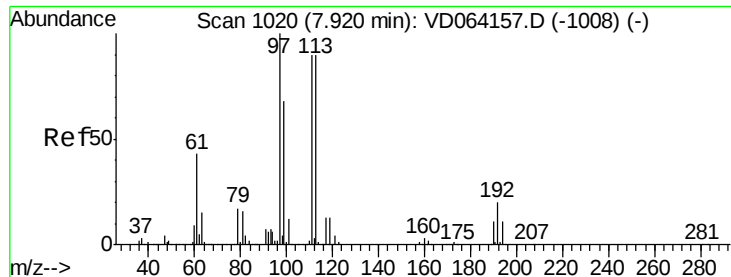
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.0
88	15.6	0.0	30.2





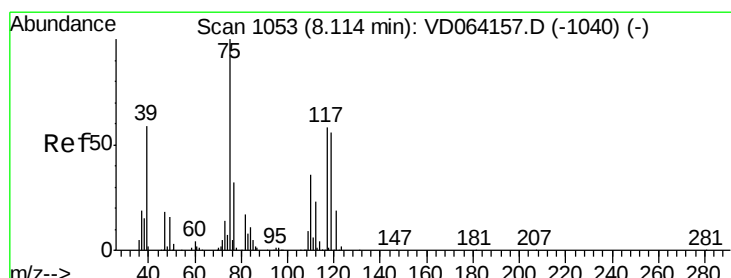
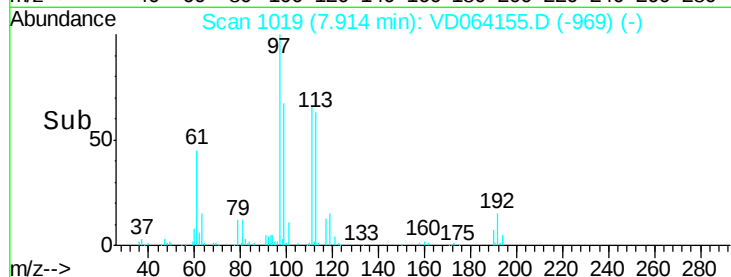
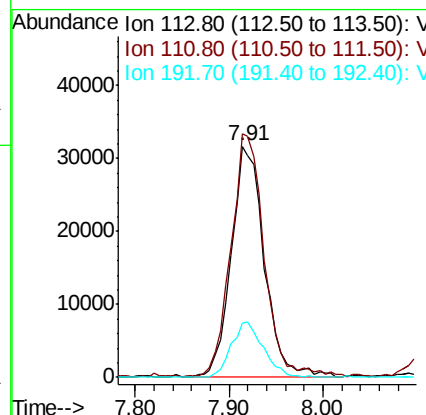
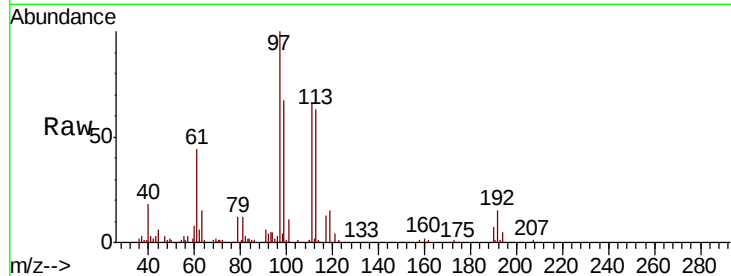
#35
 Dibromofluoromethane
 Concen: 9.421 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
113	100		
111	106.6	81.5	122.3
192	23.0	18.8	28.2

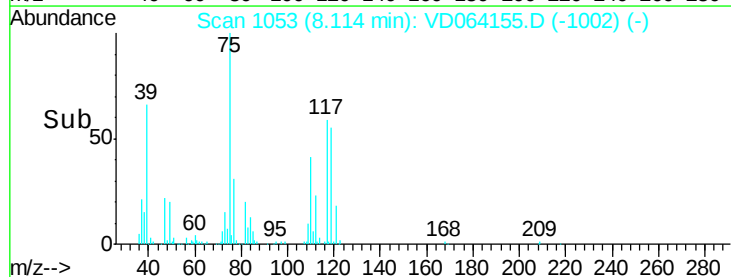
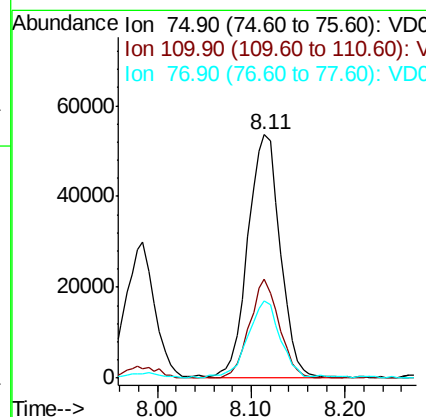
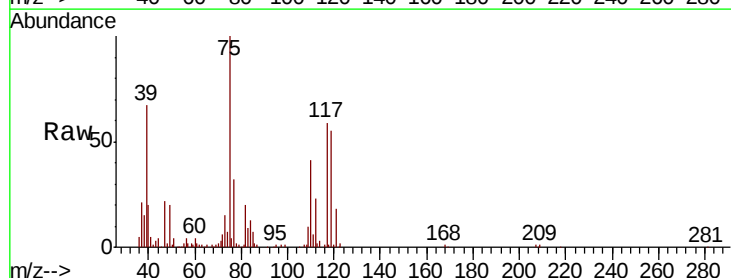
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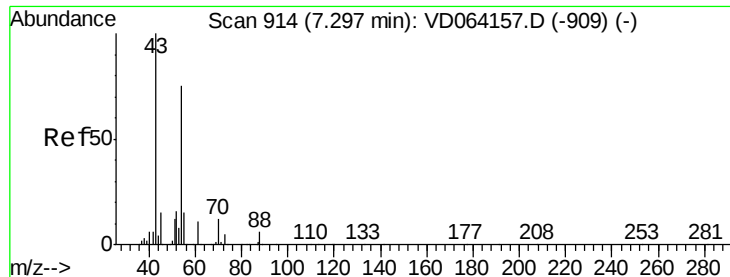
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#36
 1,1-Dichloropropene
 Concen: 10.056 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.6	18.3	54.9
77	32.3	25.0	37.6





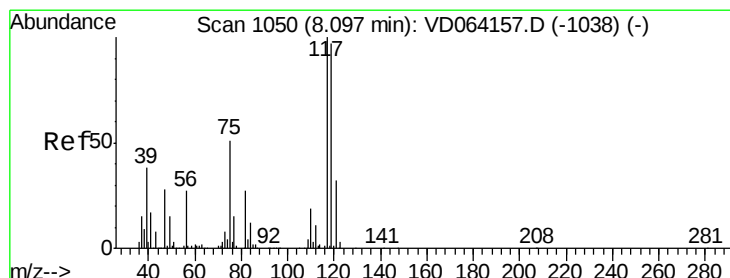
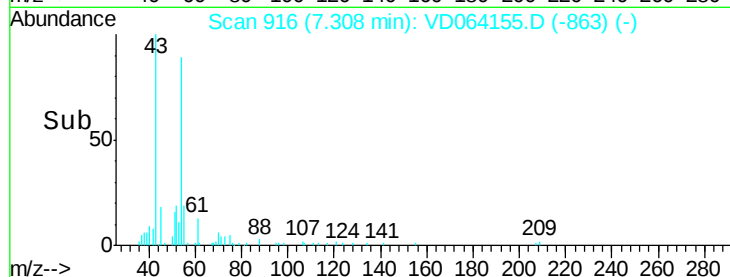
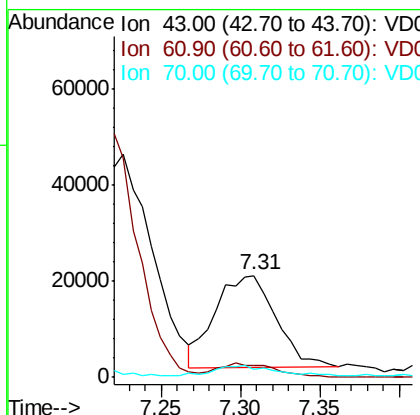
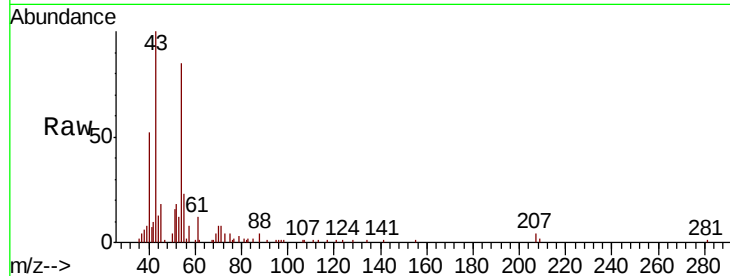
#37
Ethyl Acetate
Concen: 12.508 ug/l
RT: 7.31 min Scan# 916
Delta R.T. 0.01 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	11.8	8.5	12.7

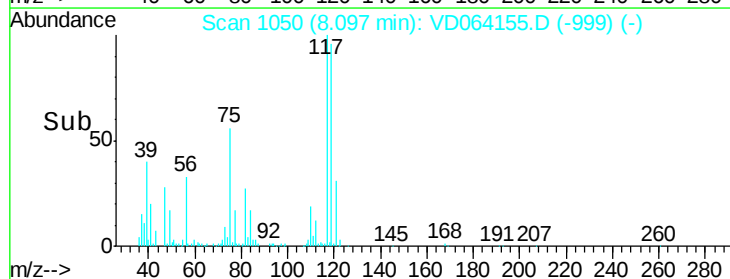
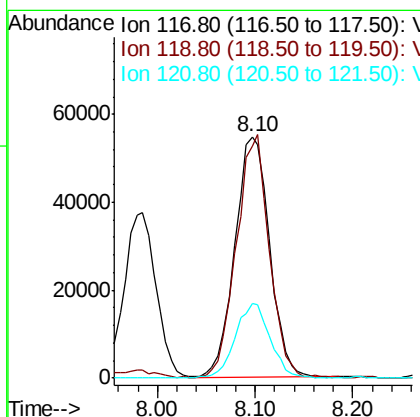
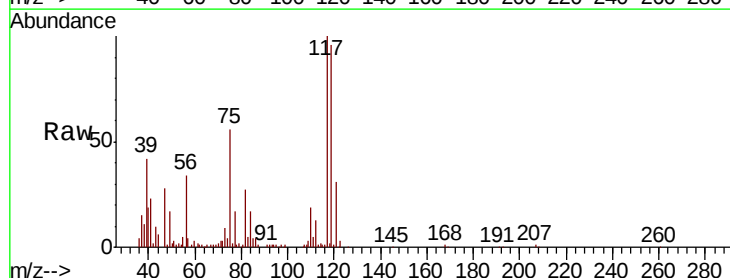
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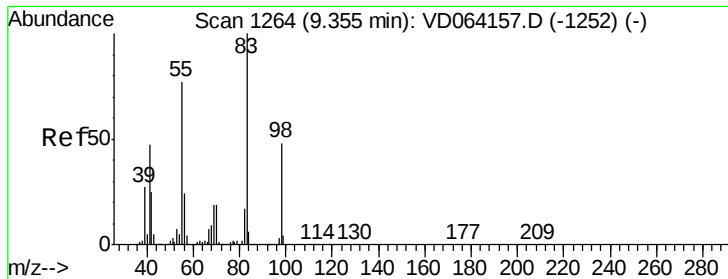
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#38
Carbon Tetrachloride
Concen: 9.917 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.2	115.8
121	30.7	25.5	38.3





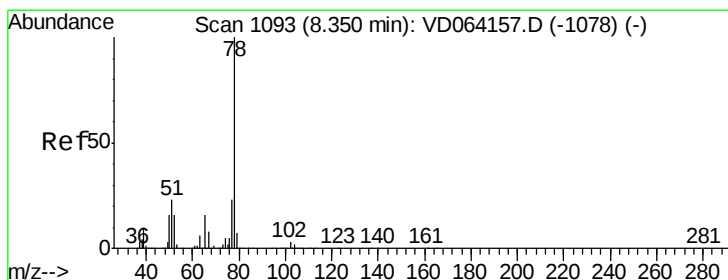
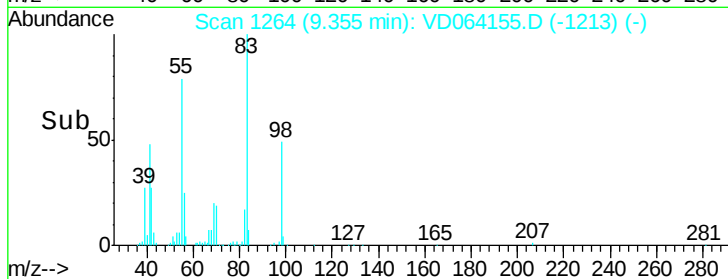
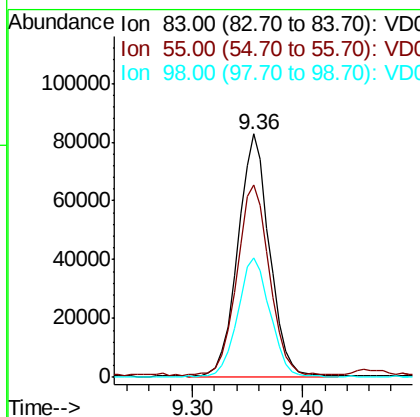
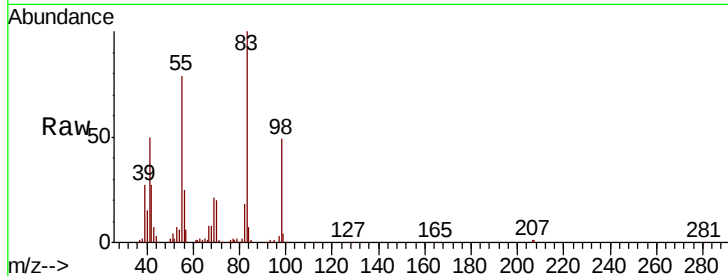
#39
Methvlcvclohexane
Concen: 10.744 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.3	61.7	92.5
98	48.9	38.6	58.0

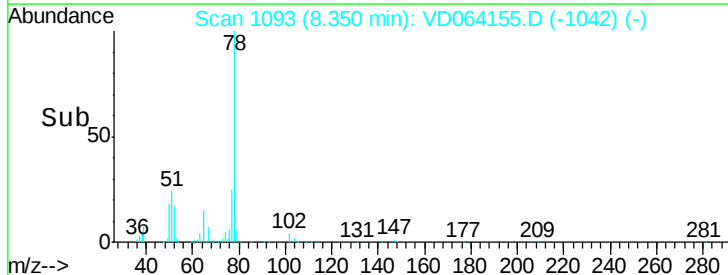
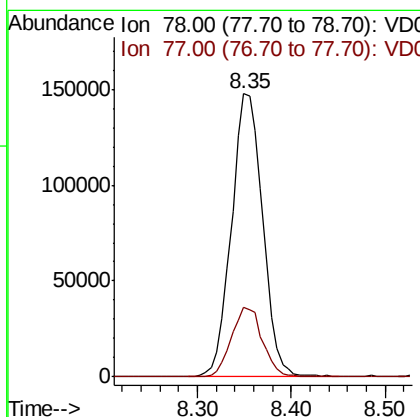
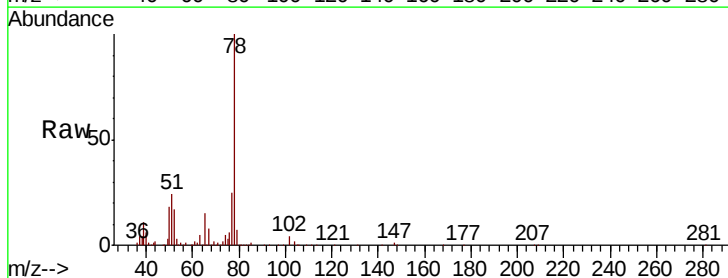
Manual Integrations
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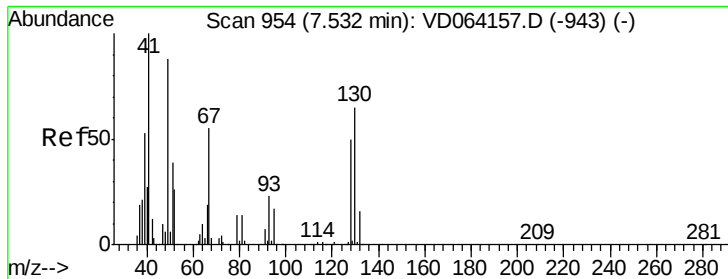
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#40
Benzene
Concen: 9.885 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0





#41

Methacrylonitrile

Concen: 12.020 ug/l

RT: 7.53 min Scan# 954

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 41 Resp: 29491
Ion Ratio Lower Upper

41 100

39 64.3 49.4 74.2

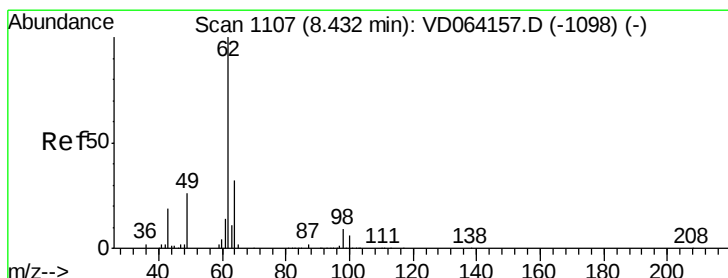
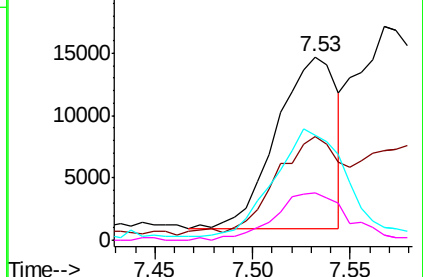
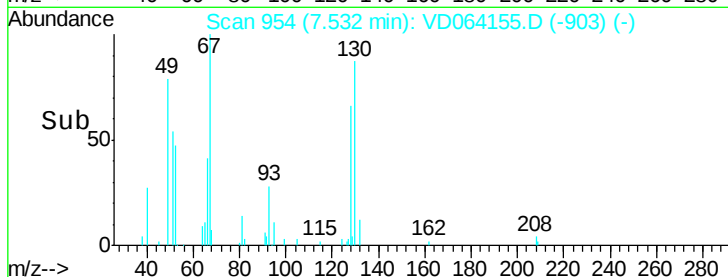
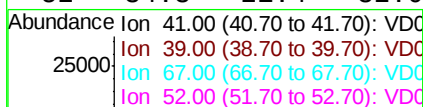
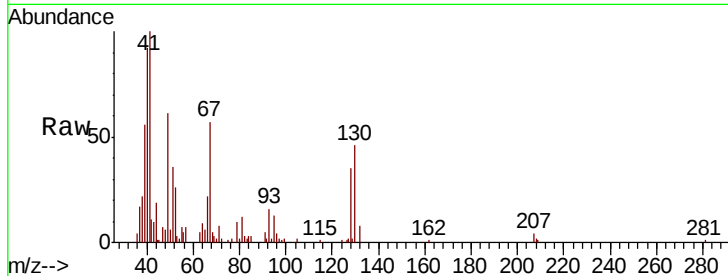
67 77.0 49.6 74.4#

52 34.3 21.4 32.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 10.985 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

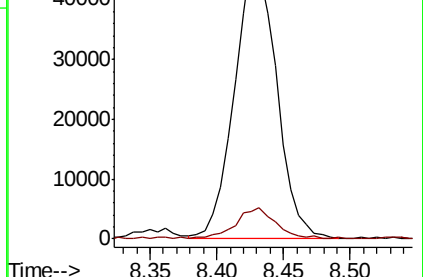
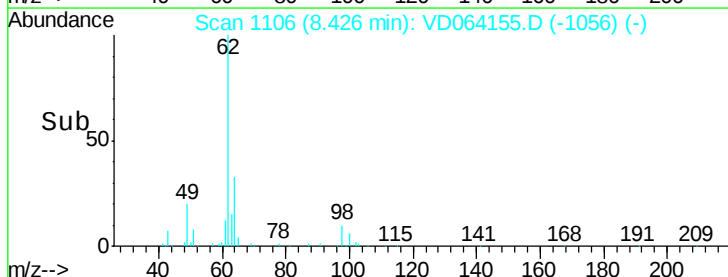
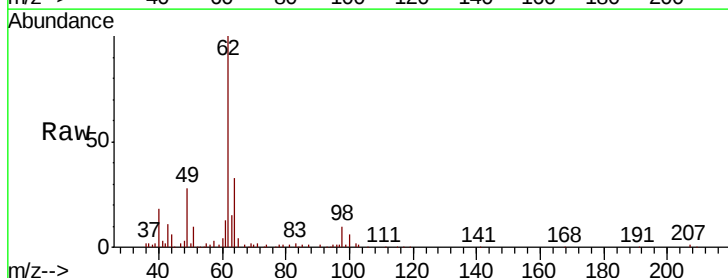
Lab File: VD064155.D

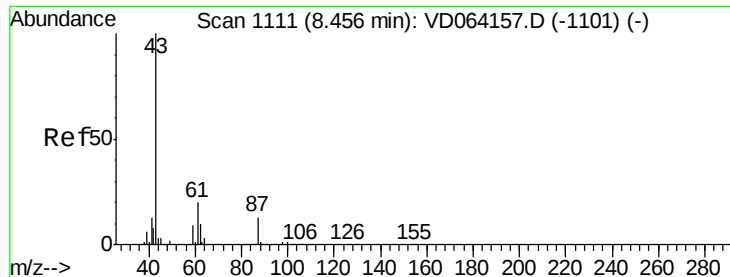
Acq: 08 Nov 2019 14:07

Tgt Ion: 62 Resp: 101560
Ion Ratio Lower Upper

62 100

98 10.6 0.0 19.0





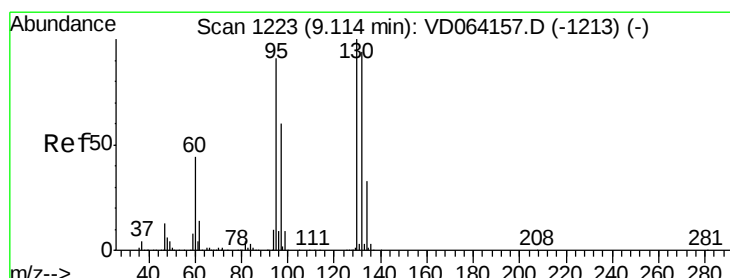
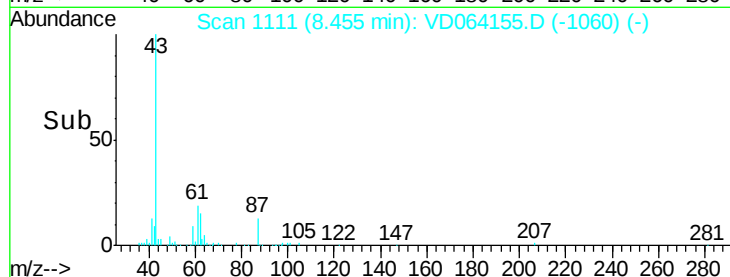
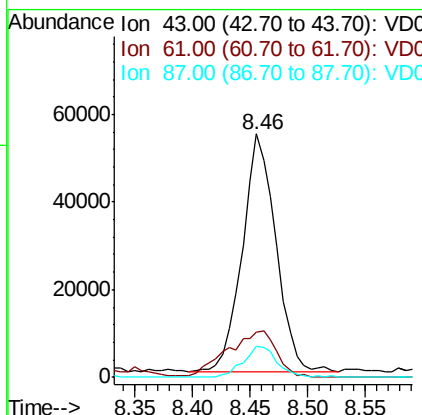
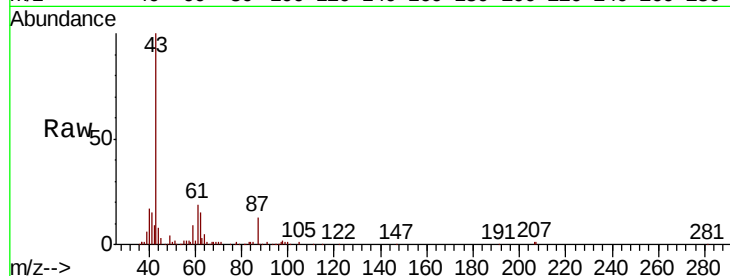
#43
Isopropyl Acetate
Concen: 13.057 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
43	100		
61	29.1	22.9	34.3
87	13.0	10.2	15.2

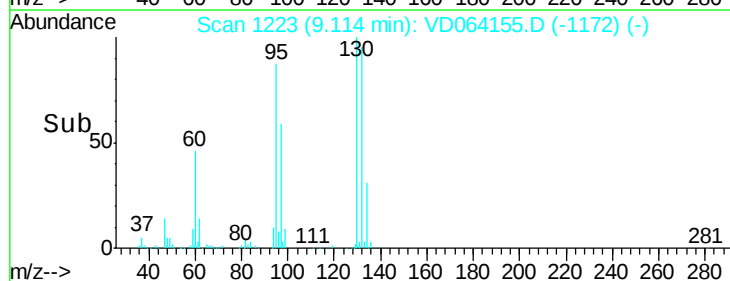
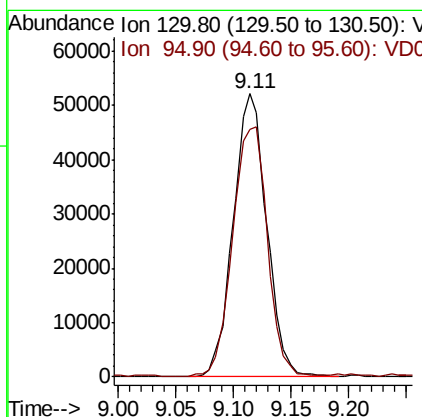
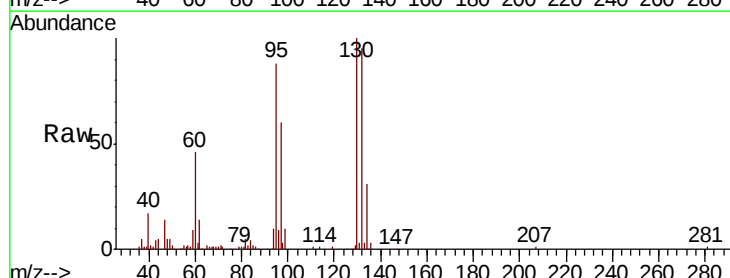
Manual Integrations
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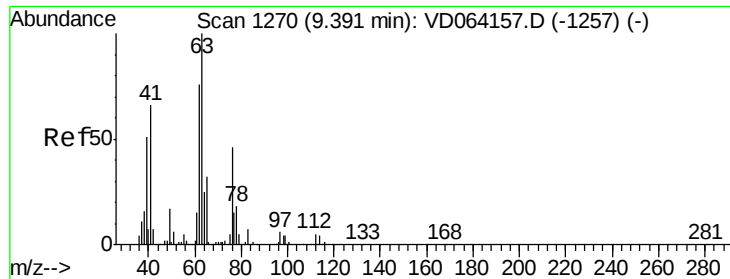
MMDadoda
11/13/2019 11:06:38 AM



#44
Trichloroethene
Concen: 10.066 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	87.6	0.0	181.6





#45

1,2-Dichloropropane

Concen: 10.362 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 63 Resp: 83544

Ion Ratio Lower Upper

63 100

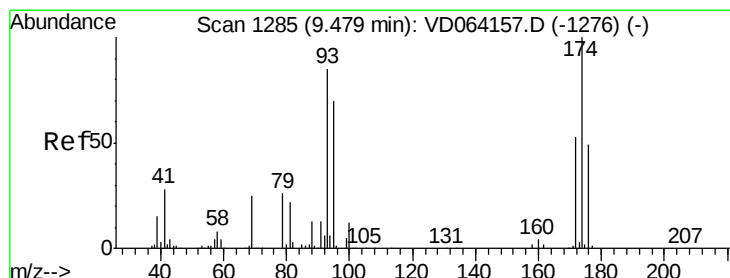
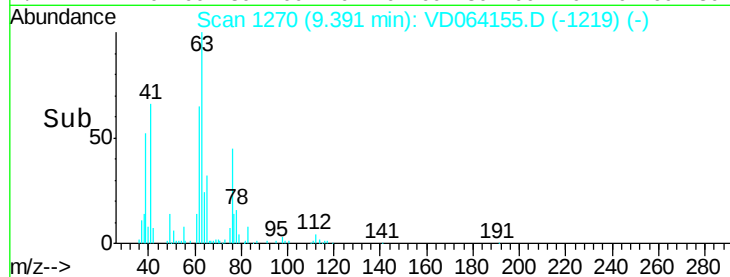
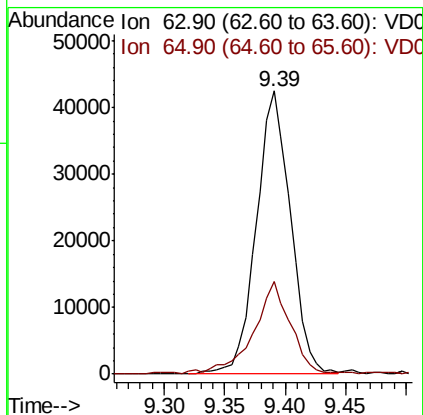
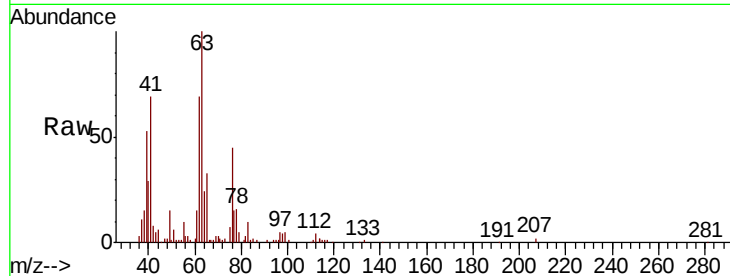
65 32.3 25.7 38.5

Manual Integrations

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#46

Dibromomethane

Concen: 9.216 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

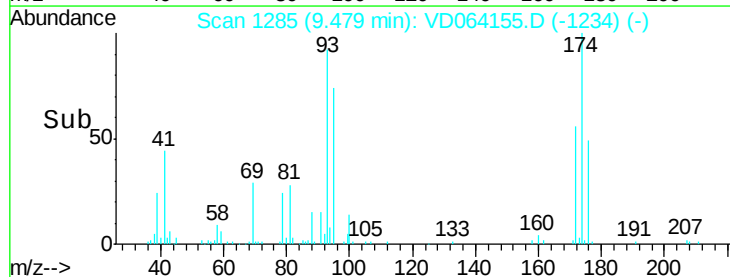
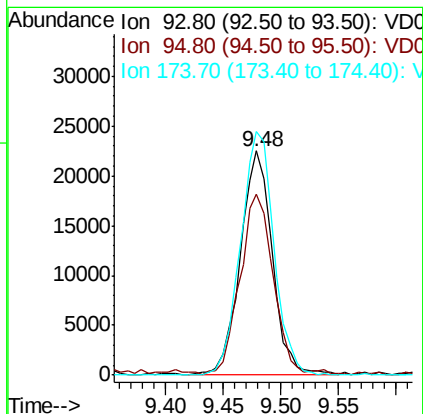
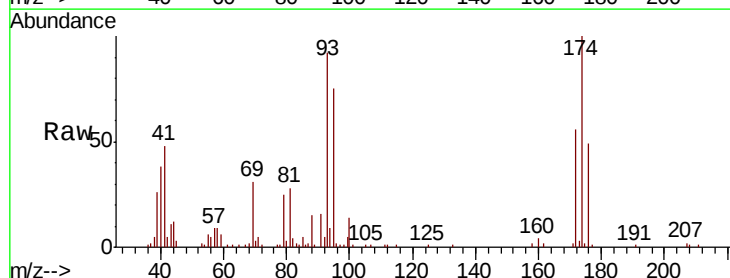
Tgt Ion: 93 Resp: 43622

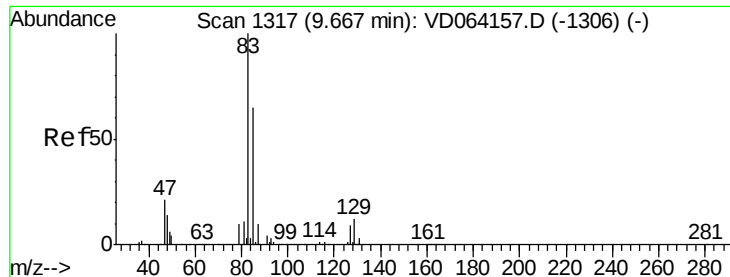
Ion Ratio Lower Upper

93 100

95 84.8 65.5 98.3

174 112.5 93.9 140.9





#47

Bromodichloromethane

Concen: 10.082 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

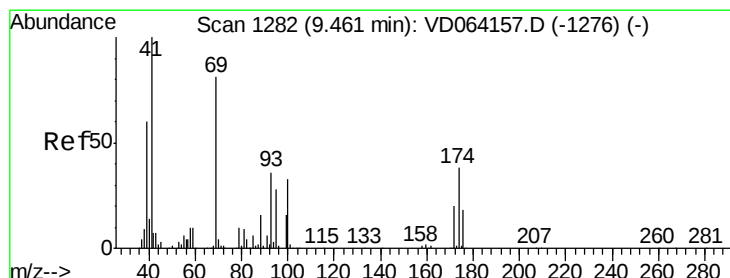
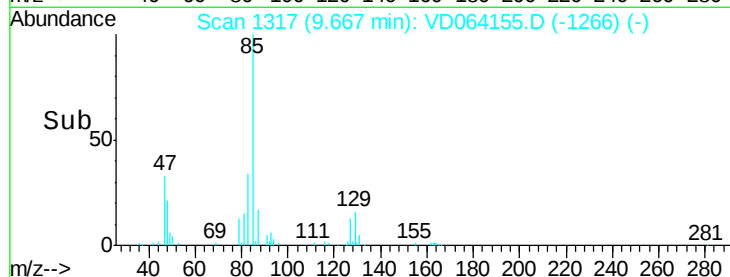
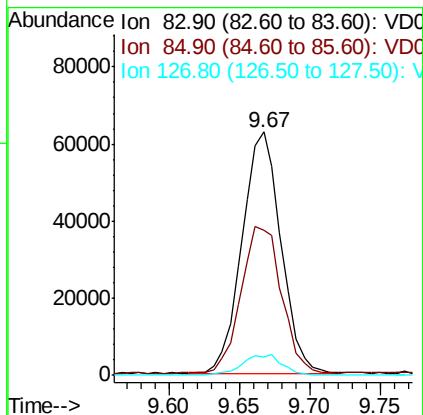
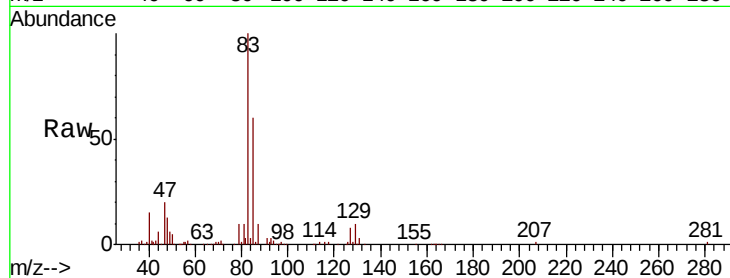
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	121467
Ion	Ratio	Lower	Upper
83	100		
85	59.4	52.2	78.4
127	7.6	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 13.639 ug/l

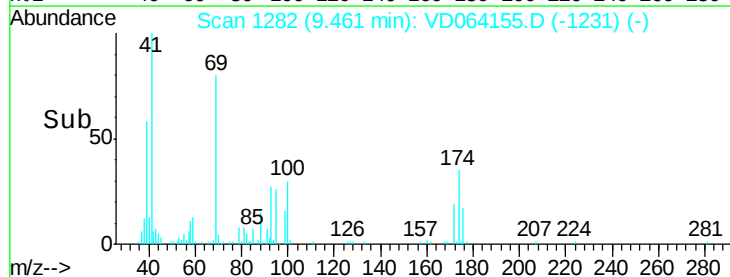
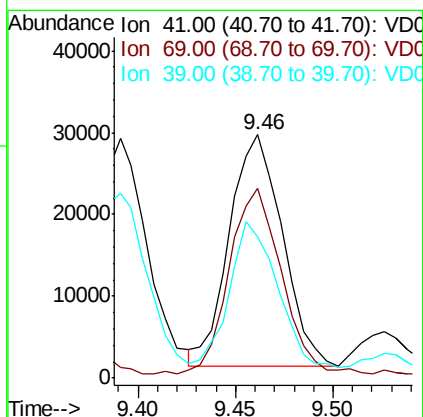
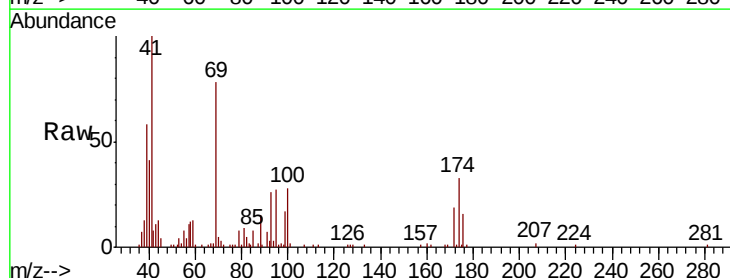
RT: 9.46 min Scan# 1282

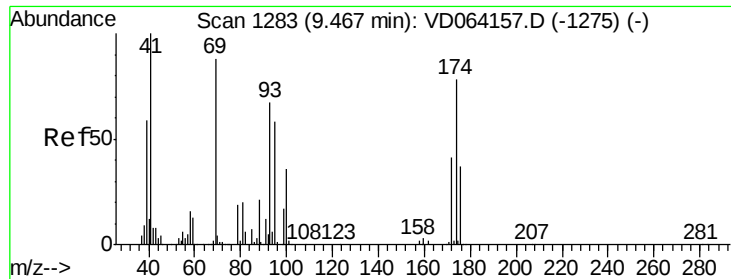
Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	41	Resp:	52970
Ion	Ratio	Lower	Upper
41	100		
69	79.9	64.6	97.0
39	58.1	48.2	72.2





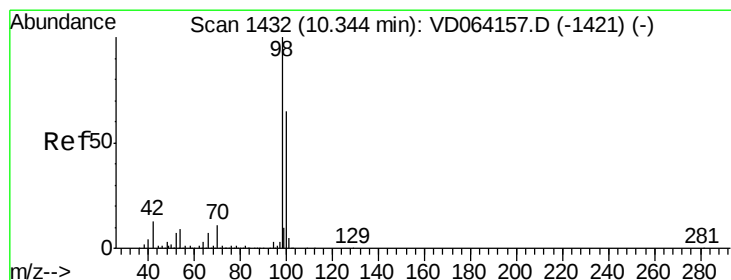
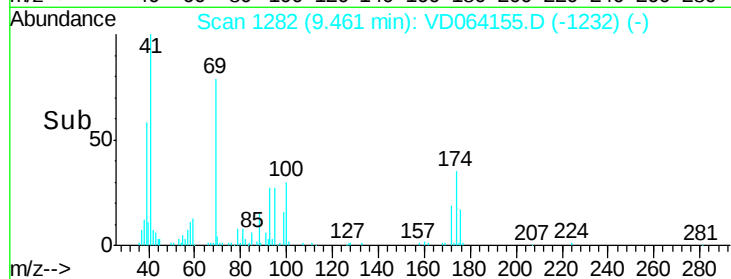
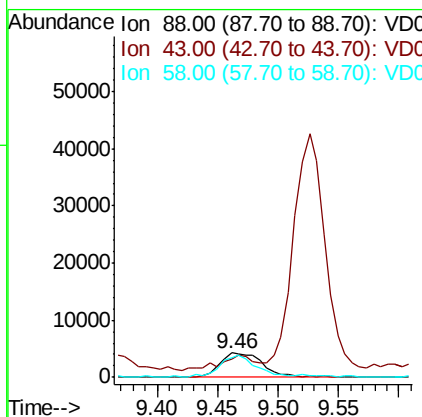
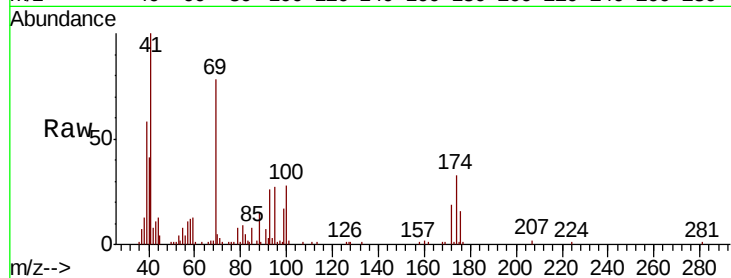
#49
1,4-Dioxane
Concen: 197.092 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	52.5	29.8	44.8#
58	77.6	58.1	87.1

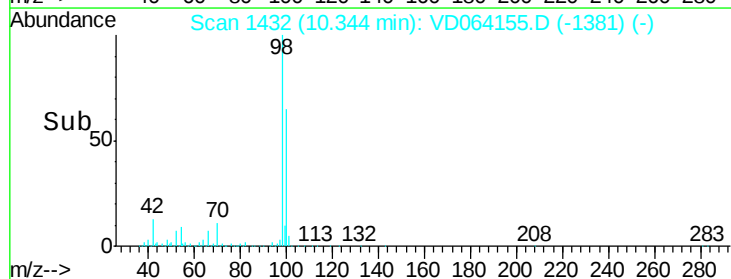
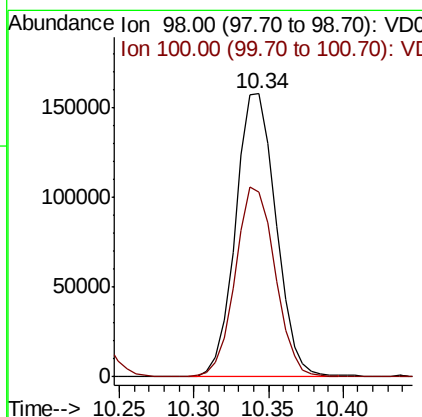
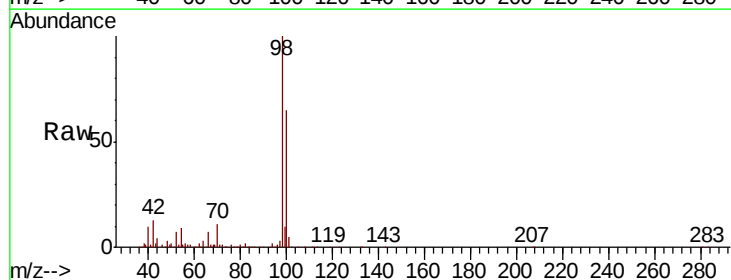
Manual Integrations
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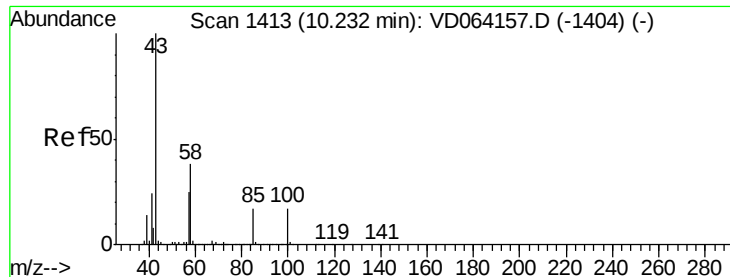
MMDadoda
11/13/2019 11:06:38 AM



#50
Toluene-d8
Concen: 9.028 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 58.840 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 43 Resp: 258715

Ion Ratio Lower Upper

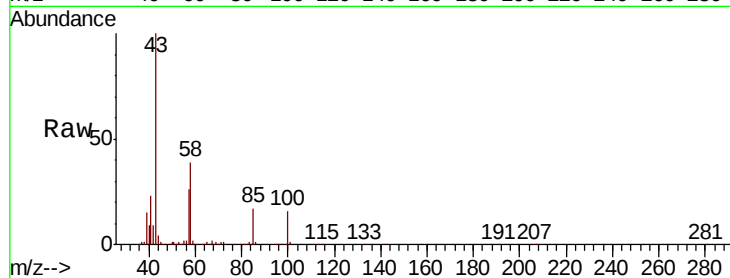
43 100

58 38.6 30.2 45.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

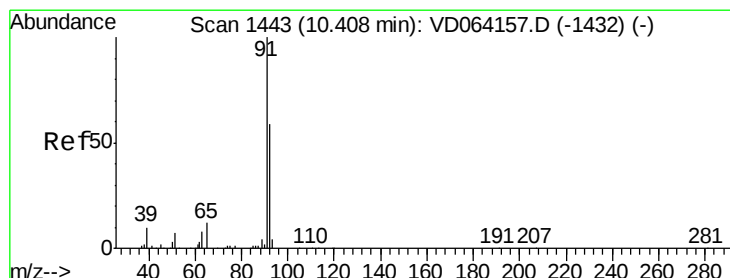
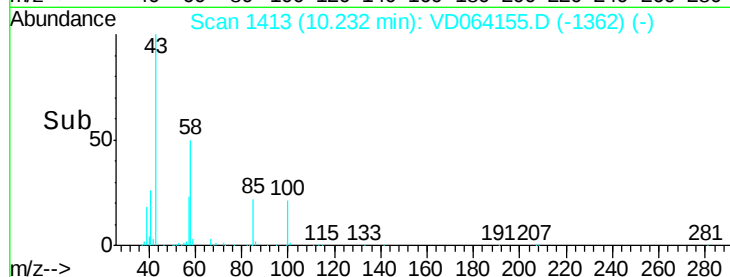
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 9.482 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD064155.D

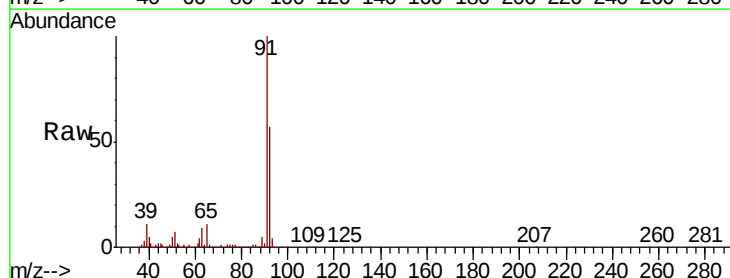
Acq: 08 Nov 2019 14:07

Tgt Ion: 92 Resp: 225412

Ion Ratio Lower Upper

92 100

91 170.9 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

250000

200000

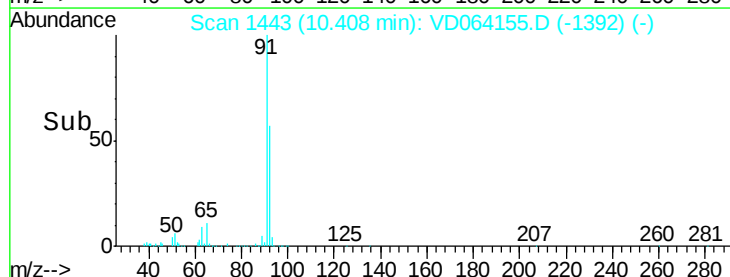
150000

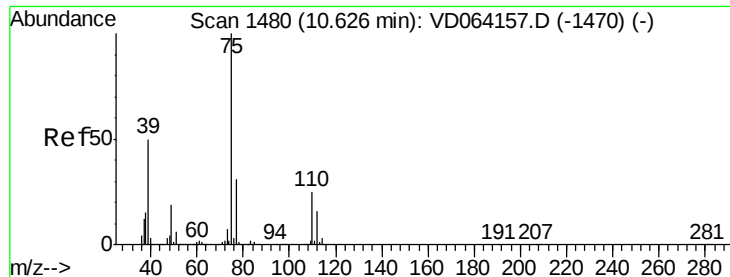
100000

50000

0

Time-->





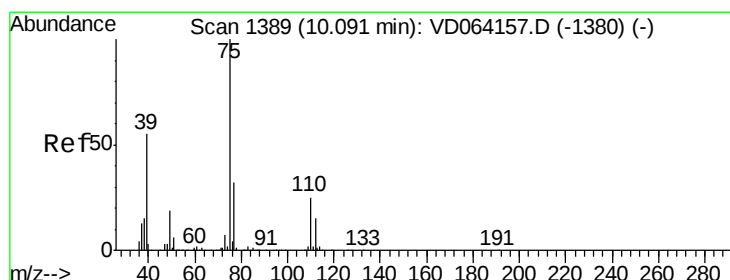
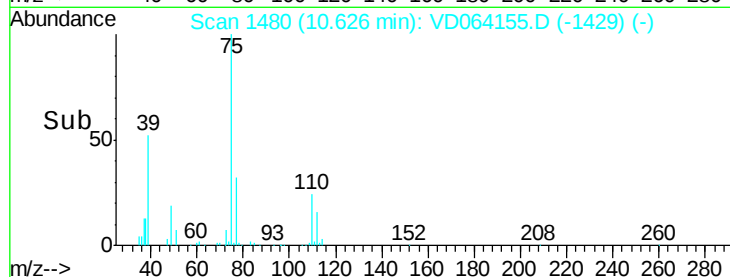
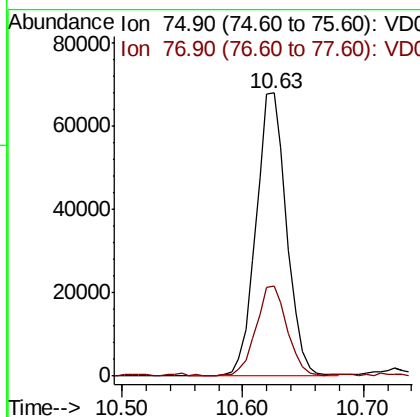
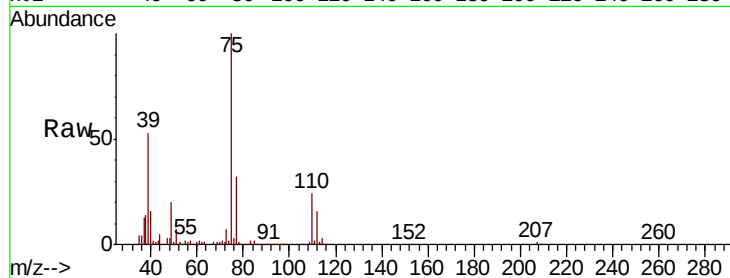
#53
t-1,3-Dichloropropene
Concen: 10.533 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 75 Resp: 119365
Ion Ratio Lower Upper
75 100
77 31.5 24.7 37.1

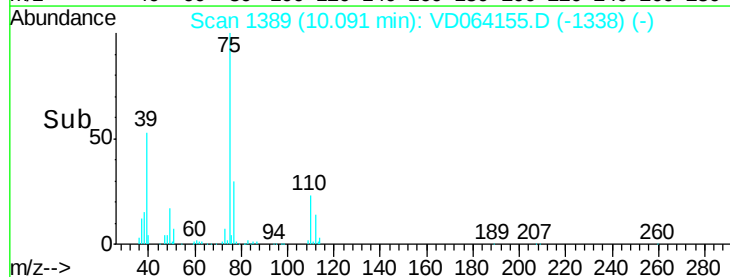
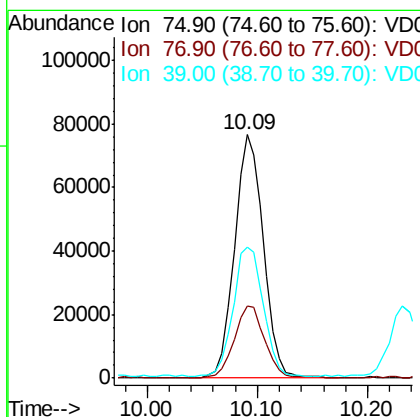
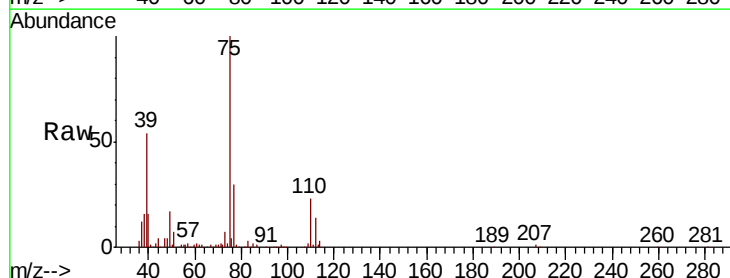
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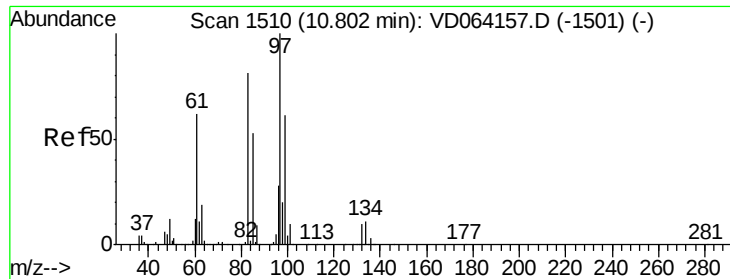
MMDadoda
11/13/2019 11:06:38 AM



#54
cis-1,3-Dichloropropene
Concen: 10.488 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion: 75 Resp: 140276
Ion Ratio Lower Upper
75 100
77 29.9 25.2 37.8
39 53.0 44.2 66.2





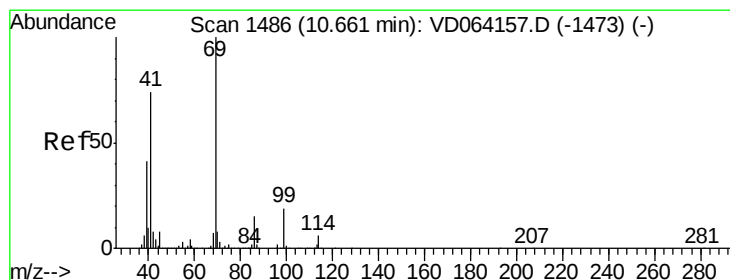
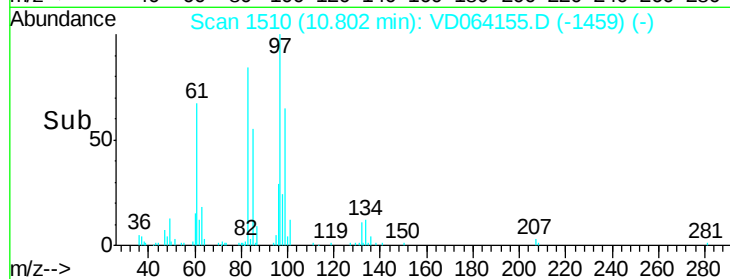
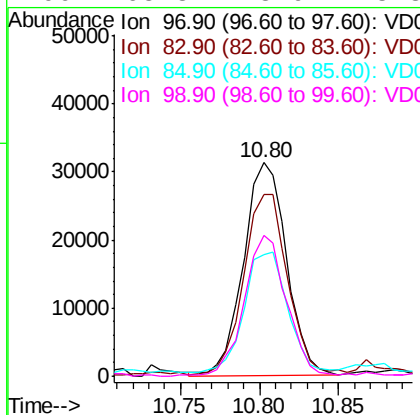
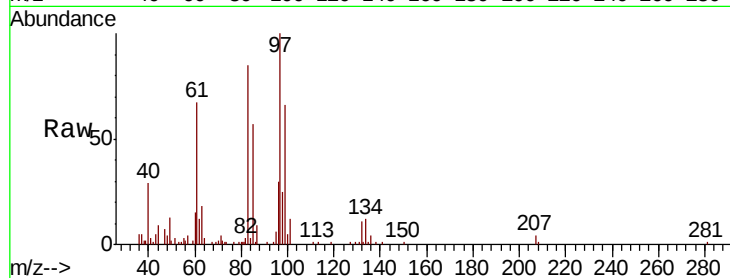
#55
 1,1,2-Trichloroethane
 Concen: 8.858 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion:	97	Resp:	58916
Ion	Ratio	Lower	Upper
97	100		
83	84.8	65.1	97.7
85	55.6	42.0	63.0
99	65.8	48.9	73.3

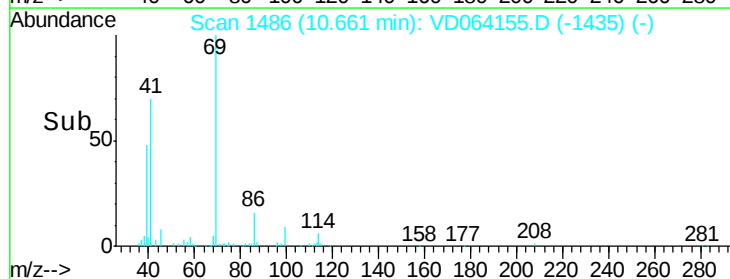
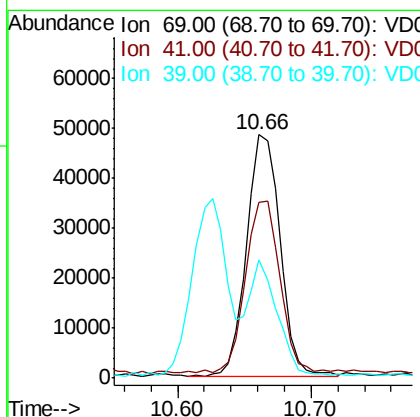
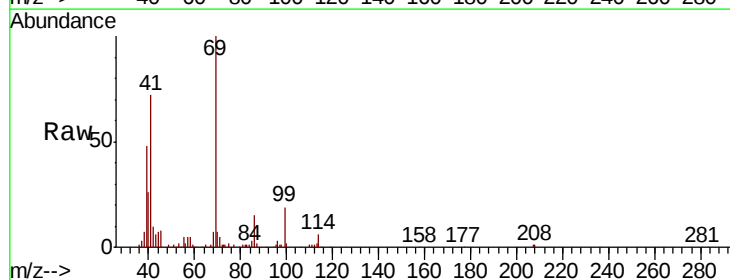
Manual Integrations
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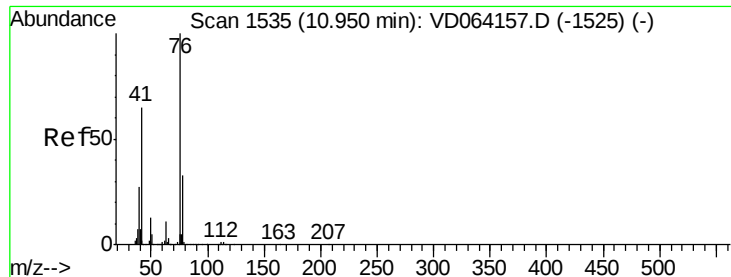
MMDadoda
 11/13/2019 11:06:38 AM



#56
 Ethyl methacrylate
 Concen: 11.162 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion:	69	Resp:	83660
Ion	Ratio	Lower	Upper
69	100		
41	72.7	57.9	86.9
39	42.4	29.0	43.4





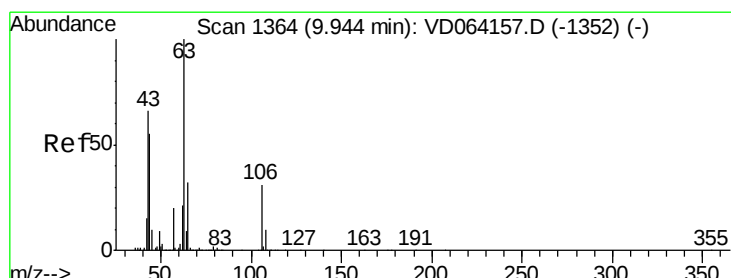
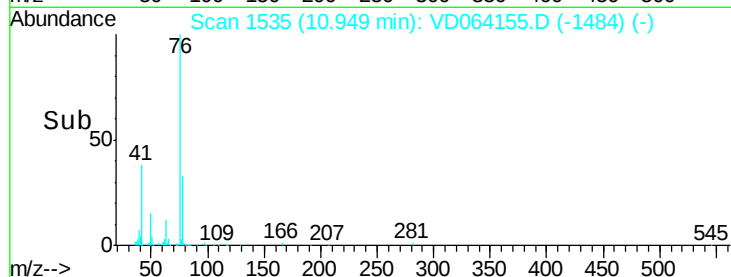
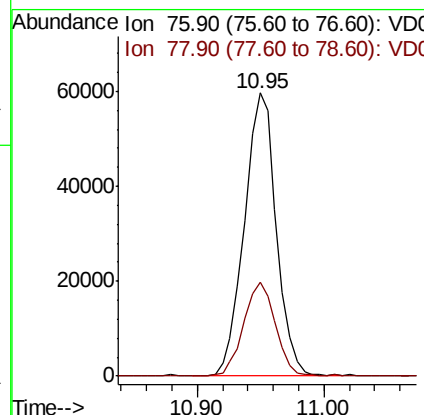
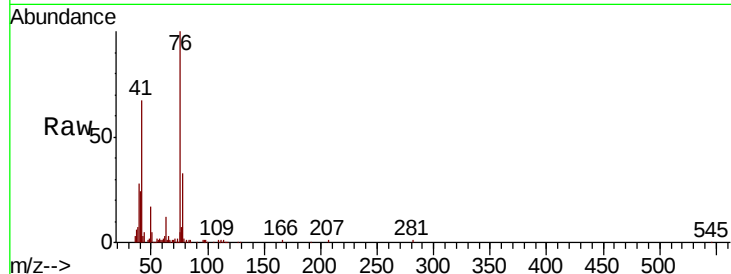
#57
 1,3-Dichloropropane
 Concen: 9.426 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

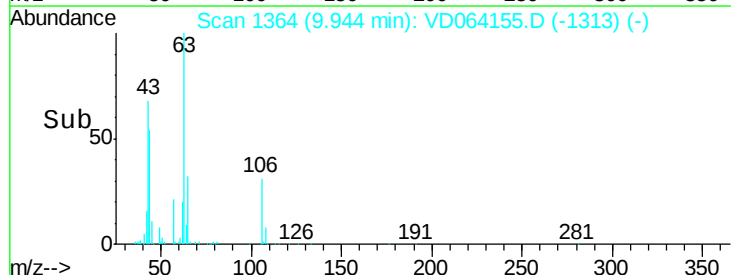
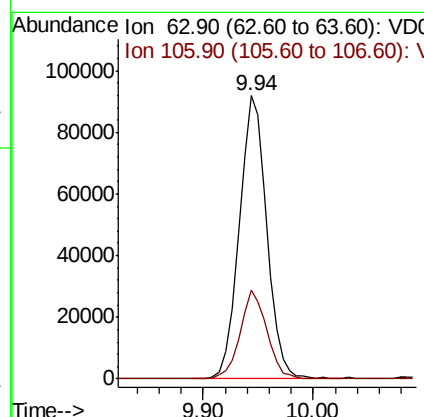
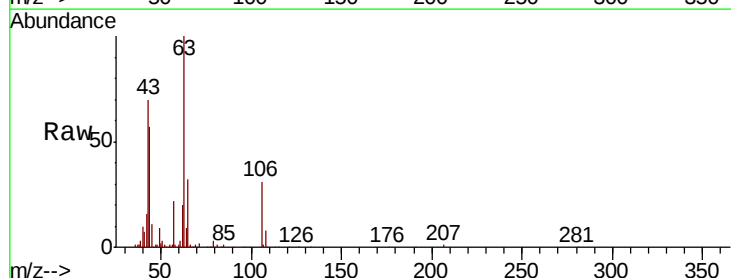
Manual Integrations
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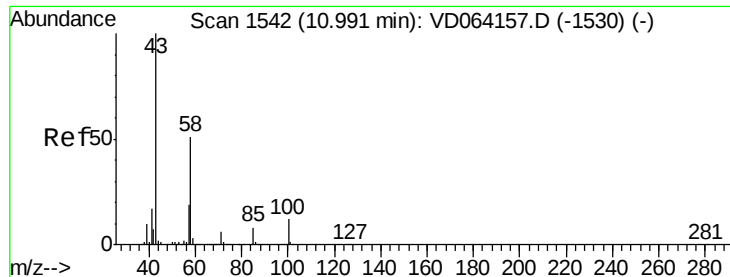
MMDadoda
 11/13/2019 11:06:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.398 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.5	24.1	36.1





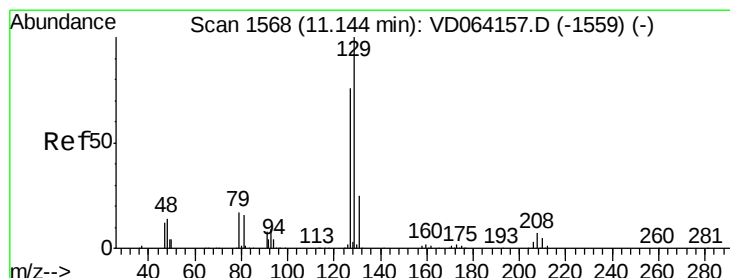
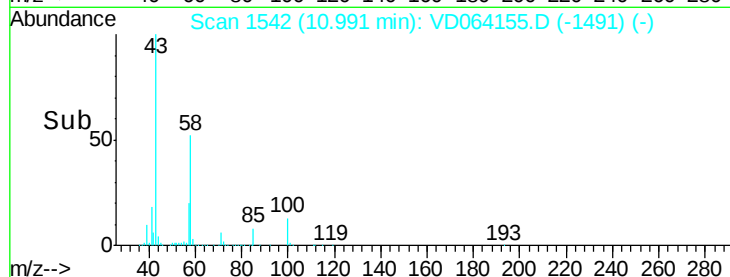
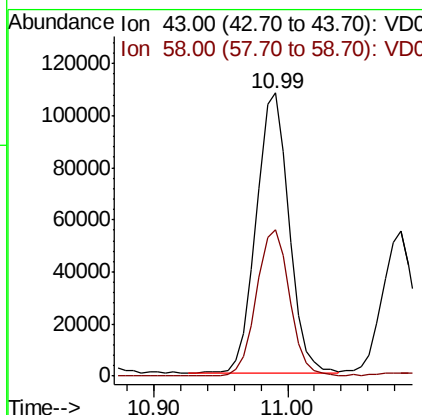
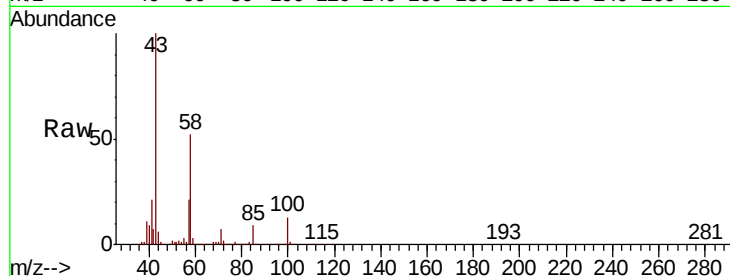
#59
2-Hexanone
Concen: 58.662 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion: 43 Resp: 182743
Ion Ratio Lower Upper
43 100
58 52.5 25.9 77.7

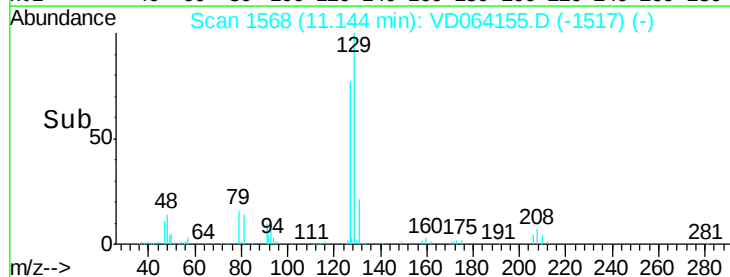
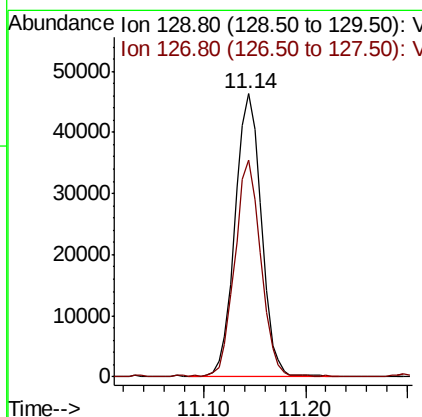
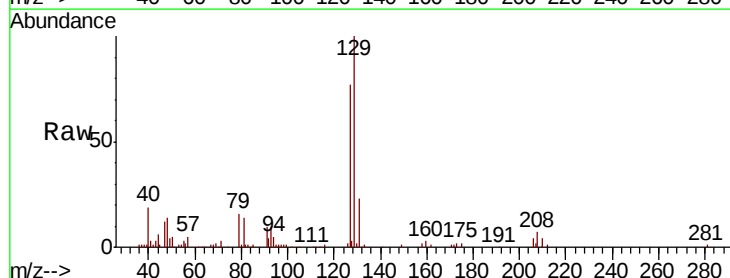
Manual Integrations
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#60
Dibromochloromethane
Concen: 9.293 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion: 129 Resp: 84094
Ion Ratio Lower Upper
129 100
127 75.4 38.6 115.8





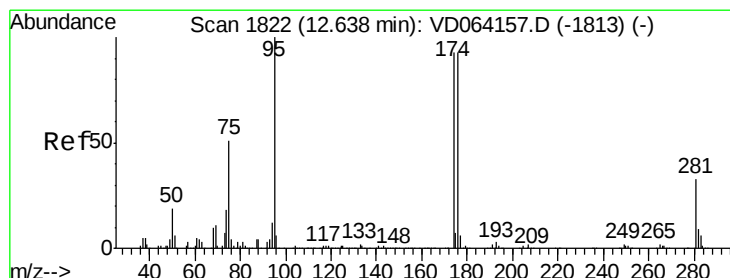
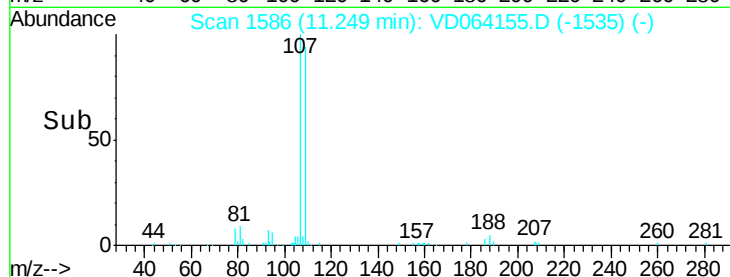
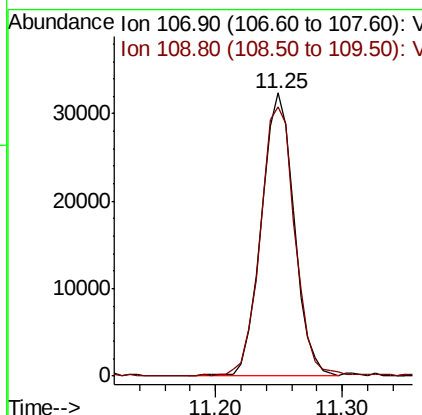
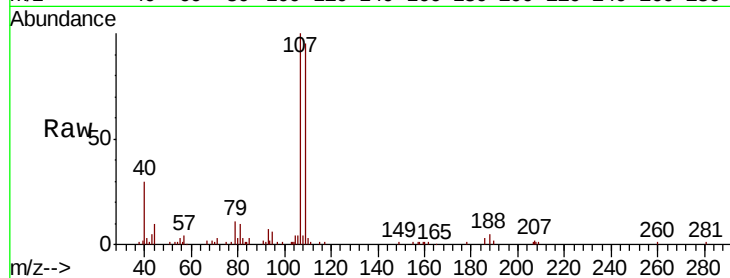
#61
1,2-Dibromoethane
Concen: 8.822 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.6	75.1	112.7

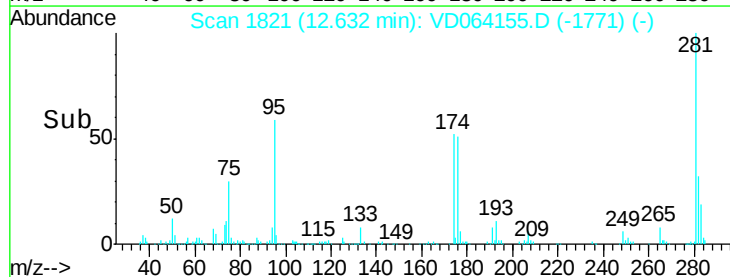
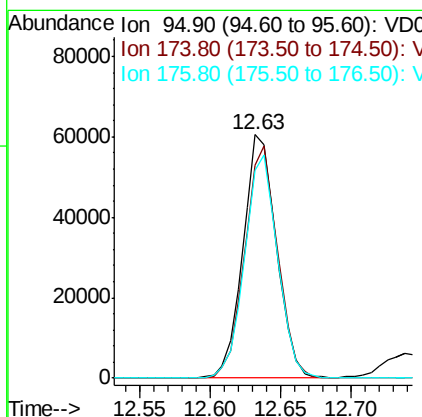
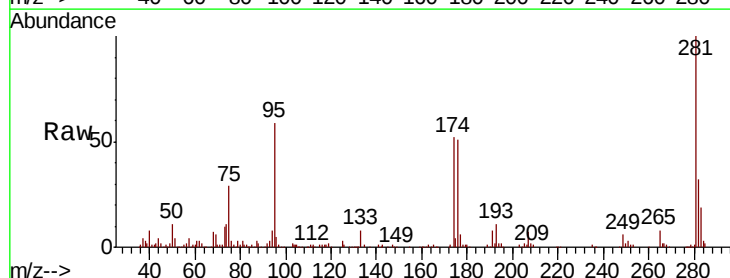
Manual Integrations
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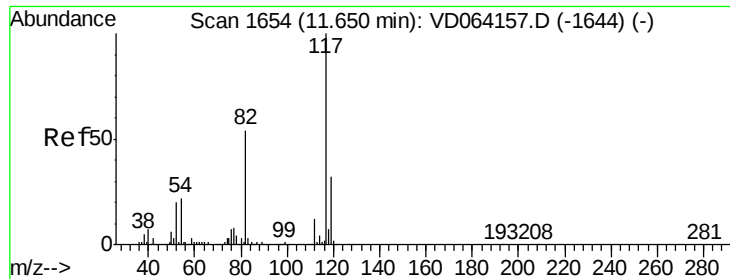
MMDadoda
11/13/2019 11:06:38 AM



#62
4-Bromofluorobenzene
Concen: 9.277 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.4	0.0	183.6
176	90.4	0.0	180.2





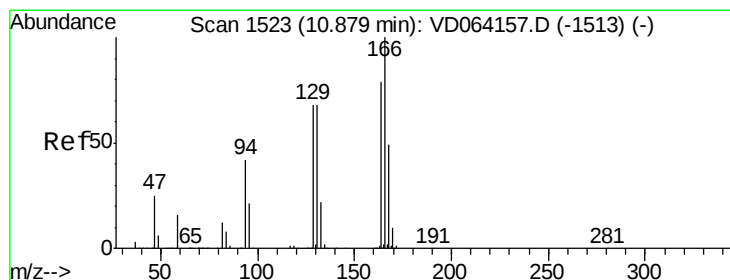
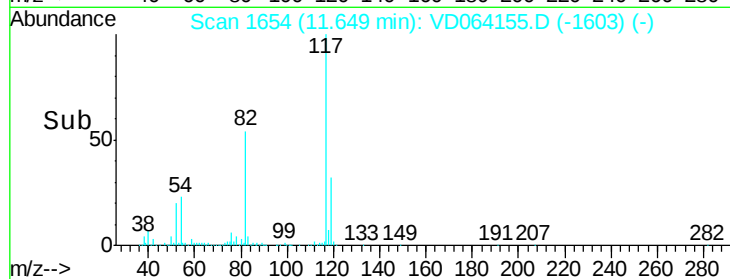
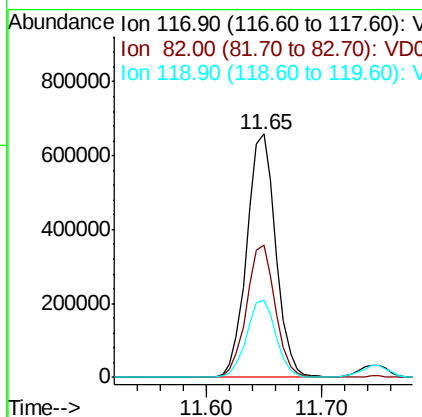
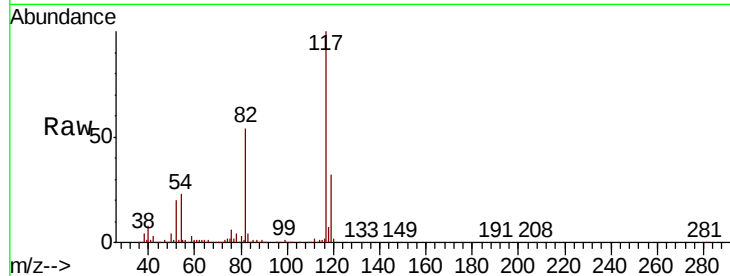
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.8	64.2
119	31.9	25.6	38.4

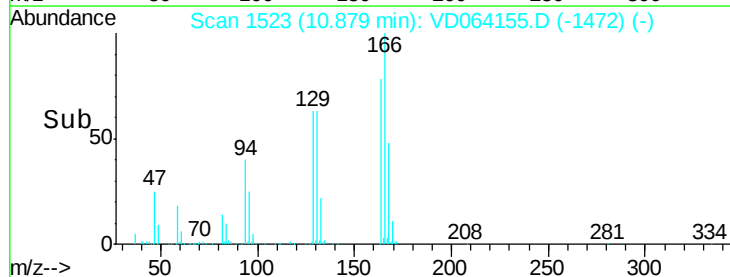
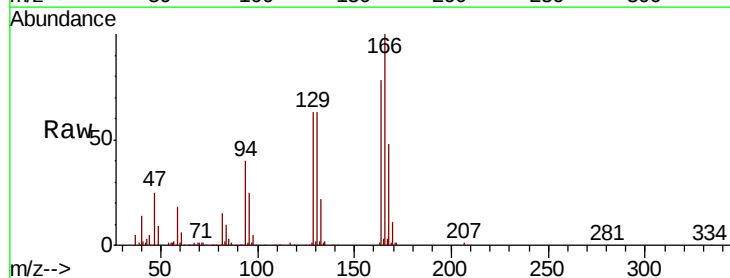
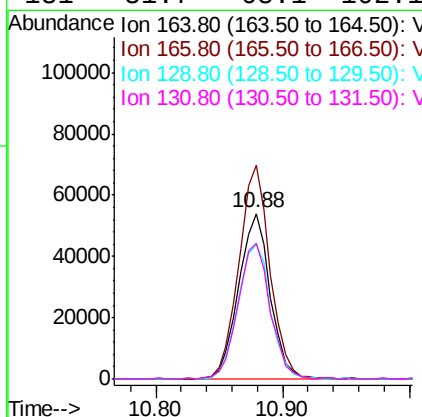
Manual Integrations
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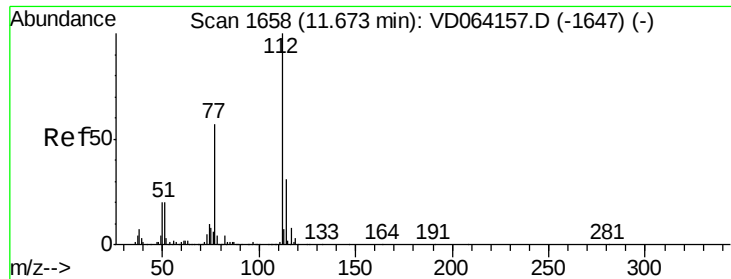
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#64
Tetrachloroethene
Concen: 11.020 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	100.8	151.2
129	80.4	68.7	103.1
131	81.7	68.1	102.1





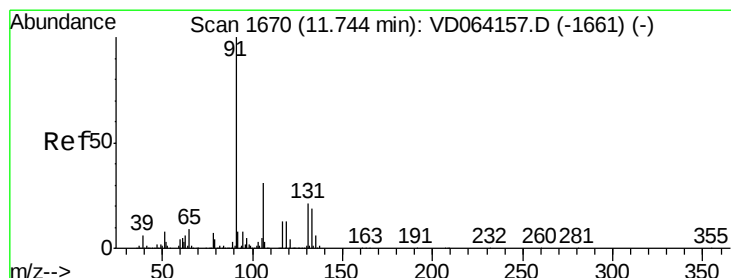
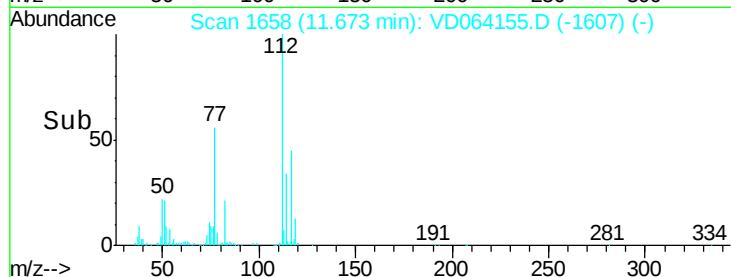
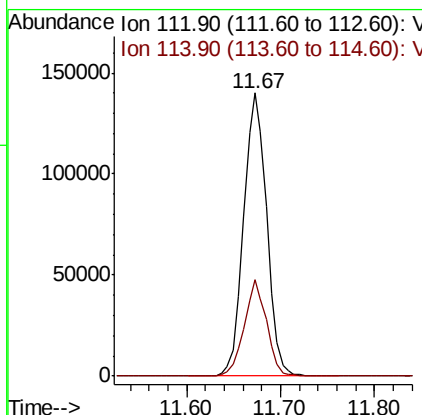
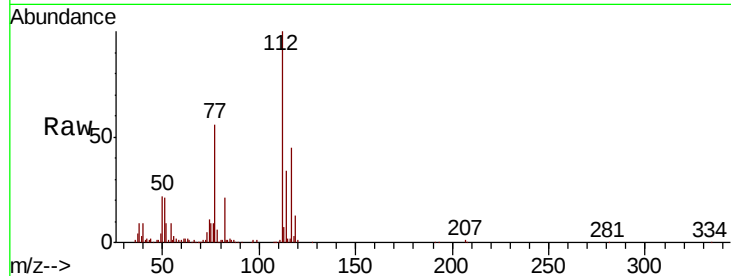
#65
Chlorobenzene
Concen: 9.966 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	34.2	25.2	37.8

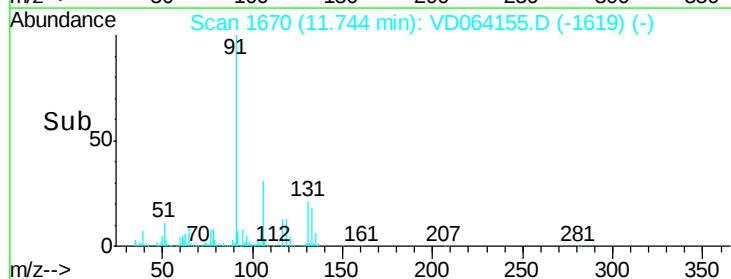
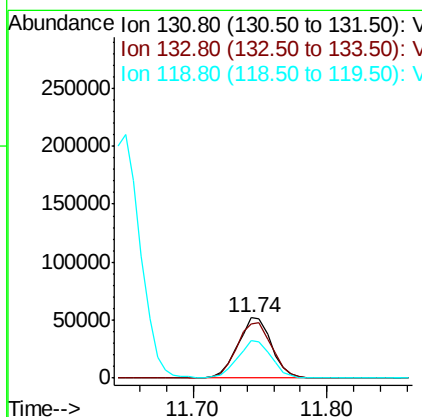
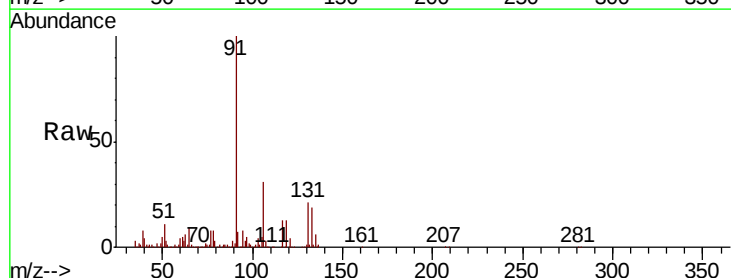
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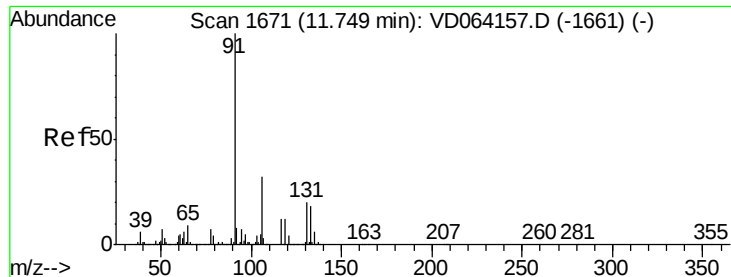
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#66
1,1,1,2-Tetrachloroethane
Concen: 10.133 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	141.9
119	62.6	31.1	93.3





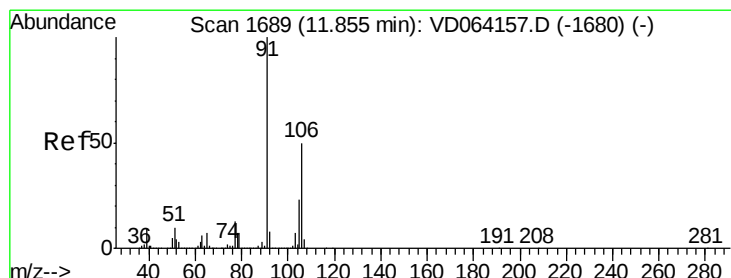
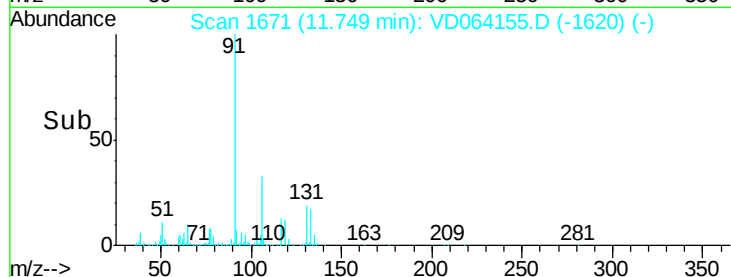
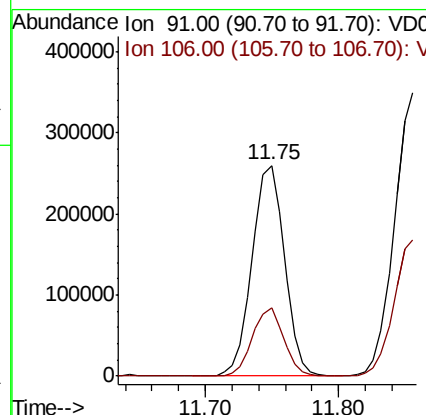
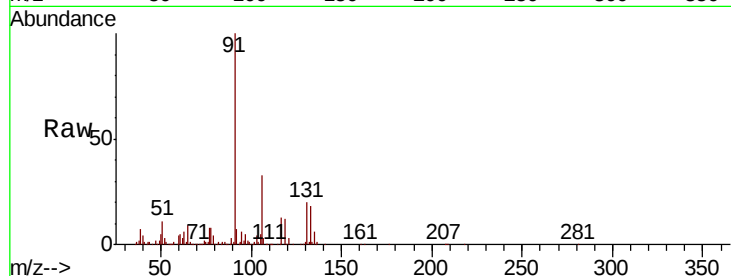
#67
Ethyl Benzene
Concen: 10.260 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.5	38.3

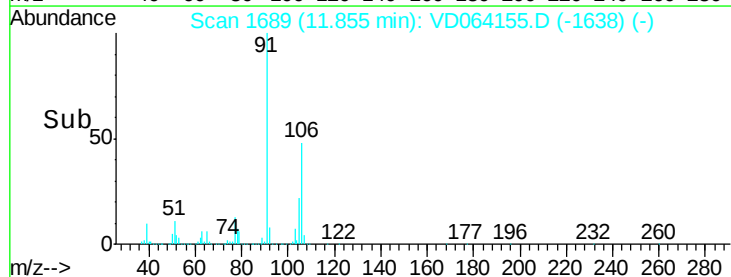
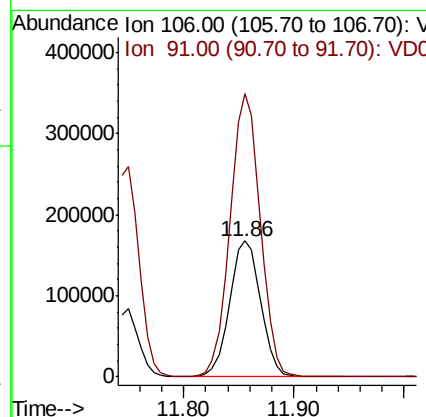
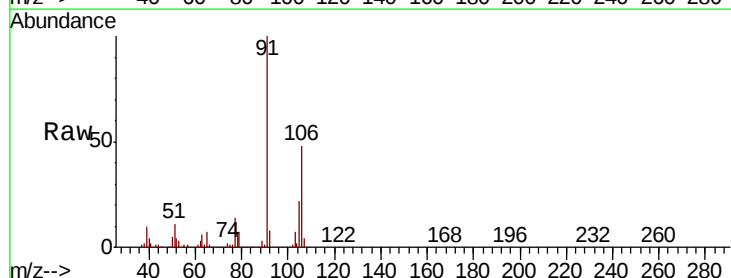
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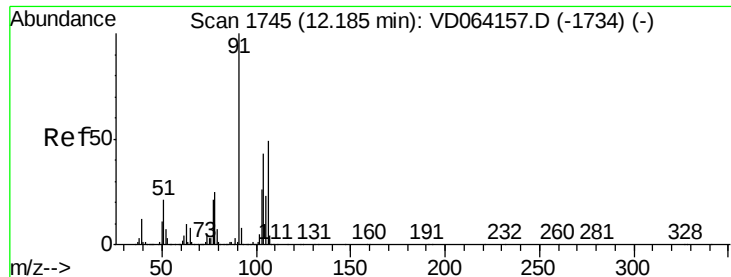
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#68
m/p-Xylenes
Concen: 19.432 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.0	160.3	240.5





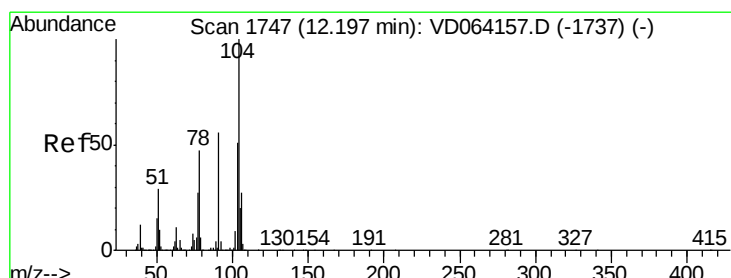
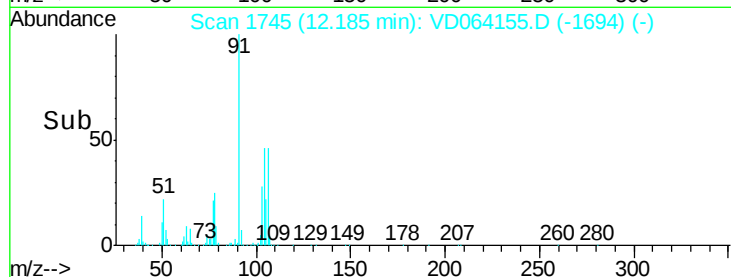
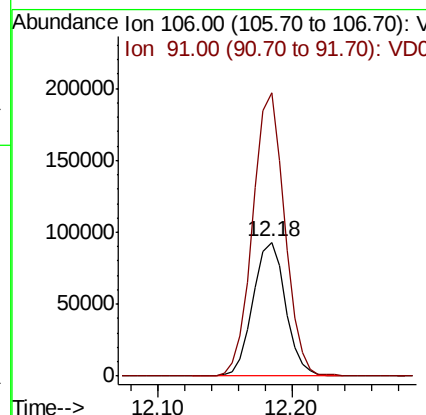
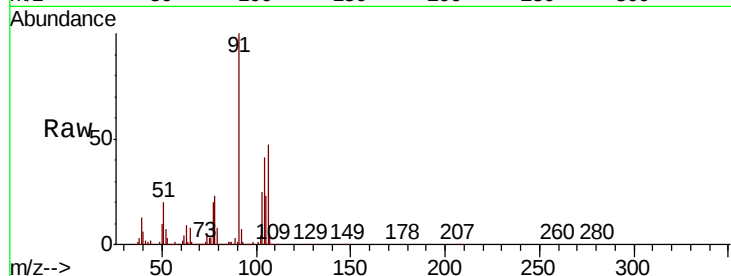
#69
o-Xylene
Concen: 10.097 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.7	105.1	315.3

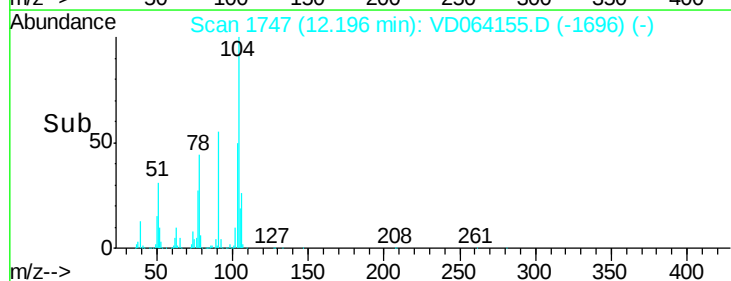
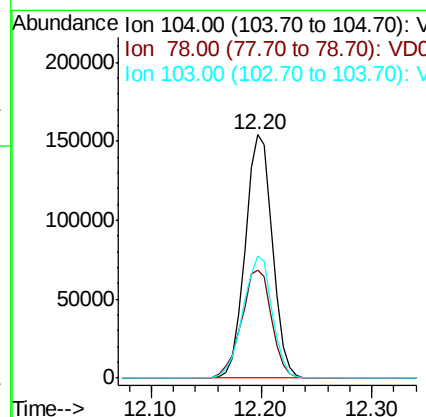
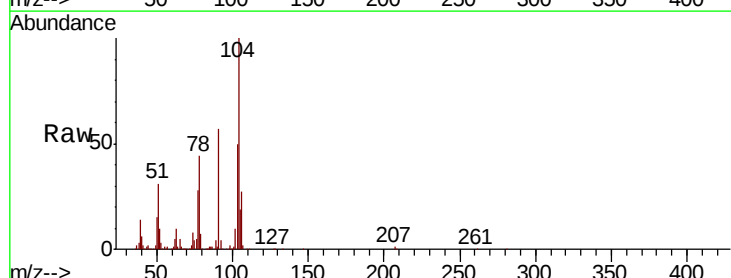
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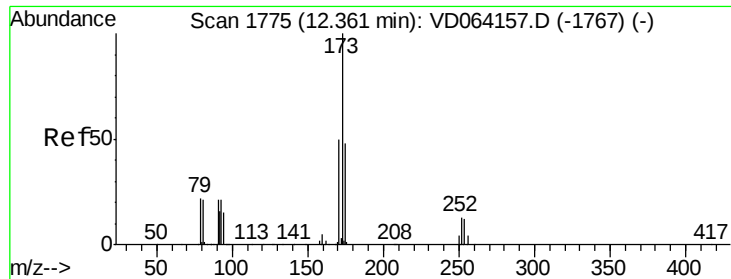
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#70
Styrene
Concen: 9.999 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
104	100		
78	49.4	39.9	59.9
103	53.6	43.4	65.0





#71

Bromoform

Concen: 10.567 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:173 Resp: 51098

Ion Ratio Lower Upper

173 100

175 48.9 24.1 72.3

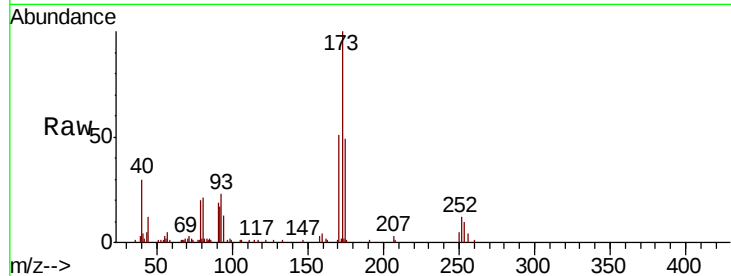
254 0.1 0.2 0.2#

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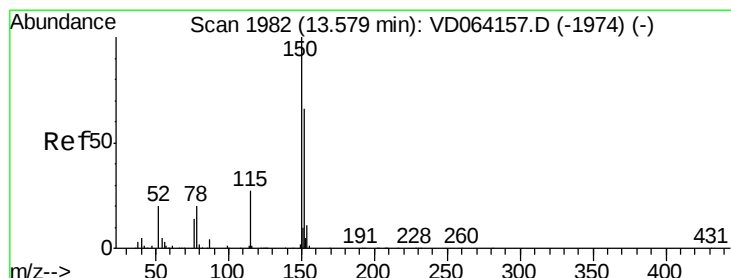
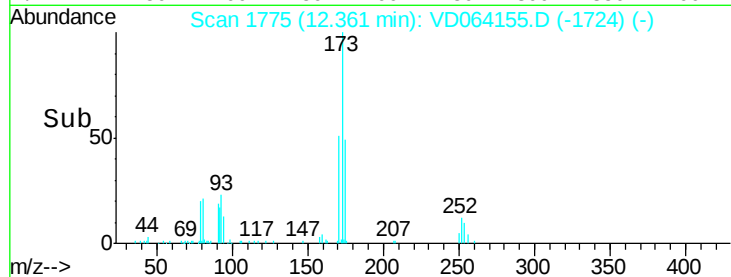
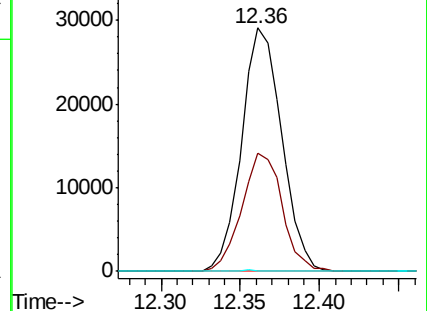
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

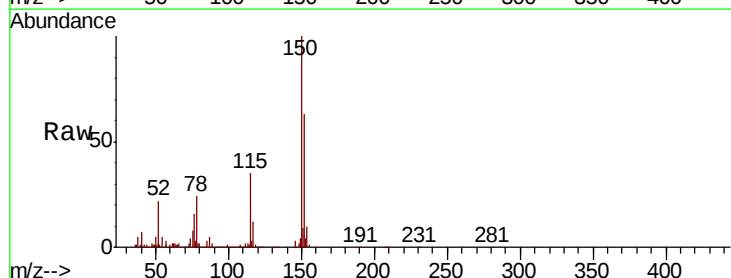
Tgt Ion:152 Resp: 552509

Ion Ratio Lower Upper

152 100

115 54.9 27.4 82.2

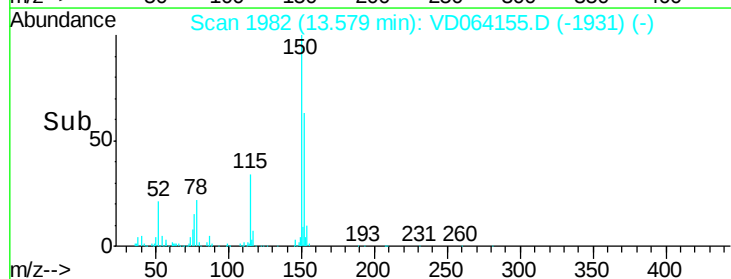
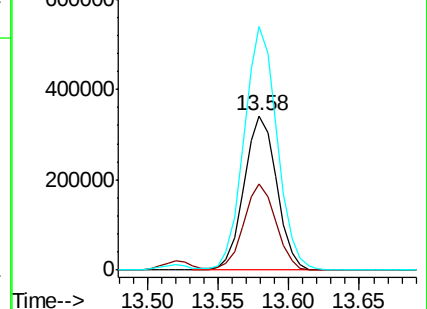
150 159.9 0.0 351.6

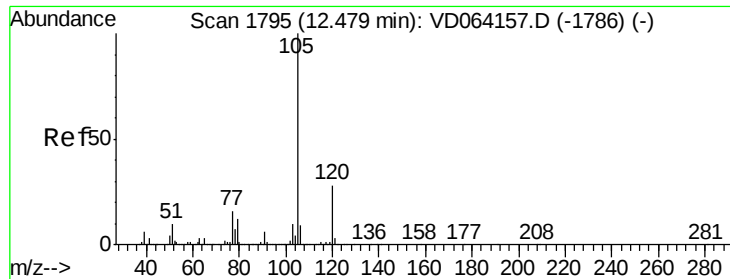


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.857 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion:105 Resp: 424398

Ion Ratio Lower Upper

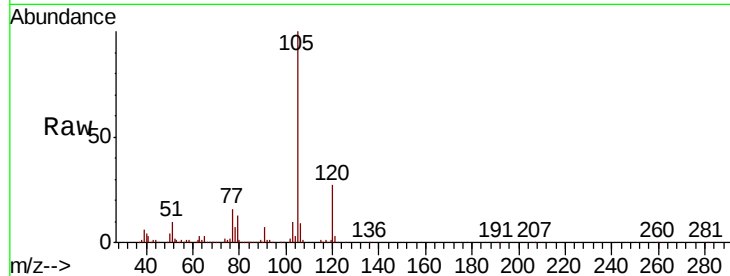
105 100

120 26.8 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

250000

200000

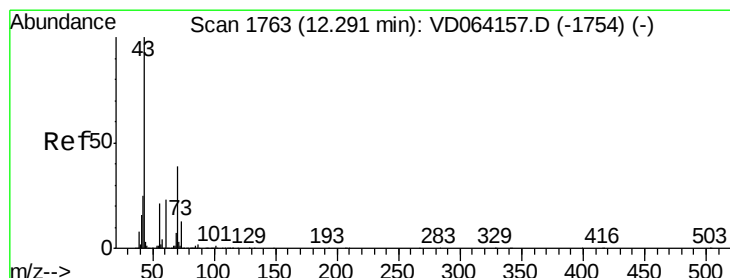
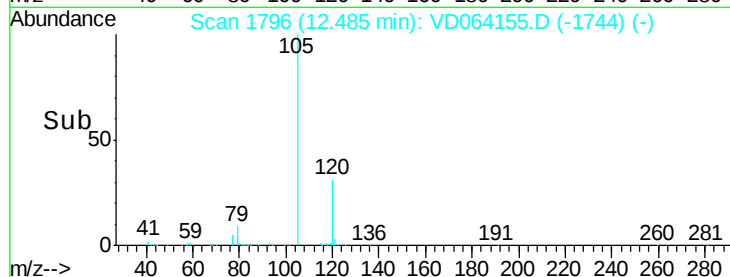
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 14.386 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion: 43 Resp: 99622

Ion Ratio Lower Upper

43 100

70 38.8 32.4 48.6

55 20.7 17.9 26.9

61 23.5 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

12.29

100000

80000

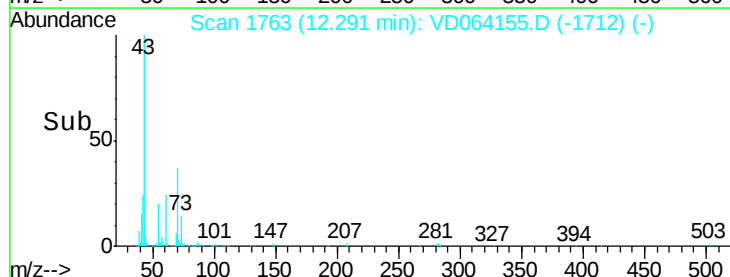
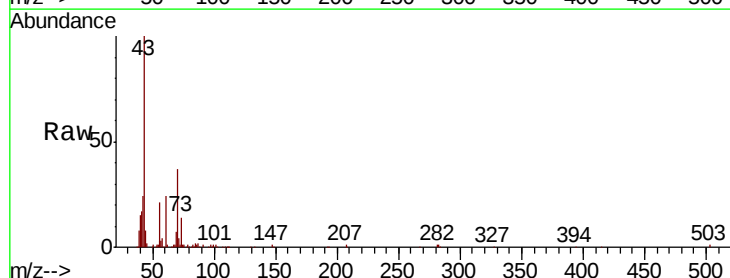
60000

40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 10.134 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

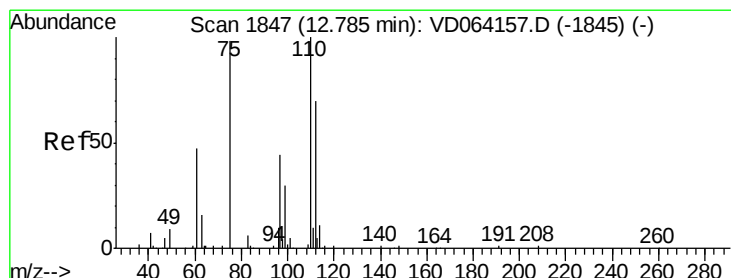
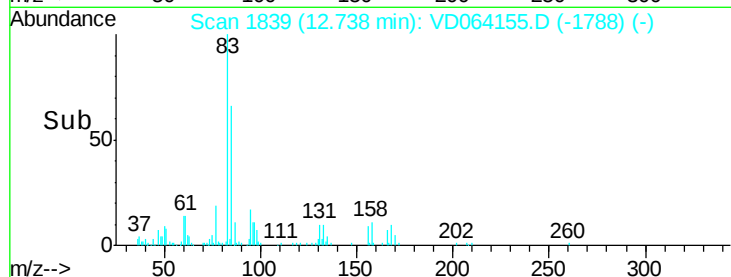
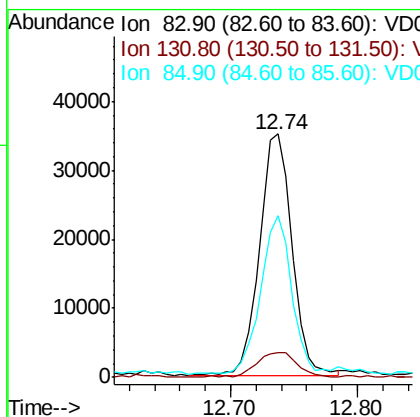
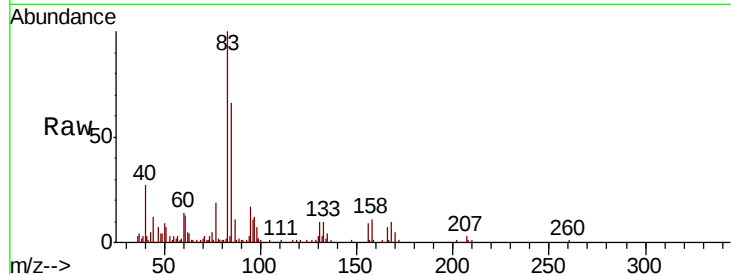
ClientSampleId :

VSTDIC010

Tot Ion:	83	Resp:	62096
Ion	Ratio	Lower	Upper
83	100		
131	12.8	5.9	17.7
85	62.4	32.5	97.5

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#76

1,2,3-Trichloropropane

Concen: 12.330 ug/l m

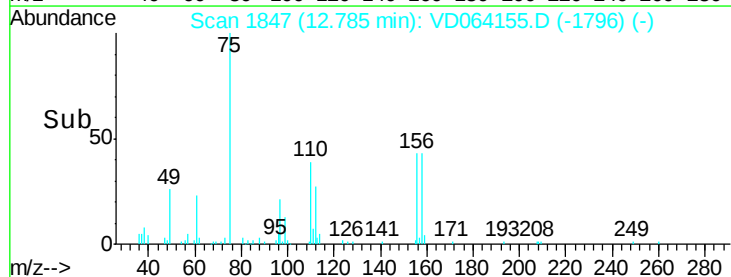
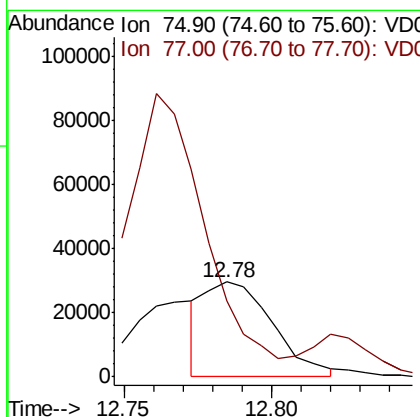
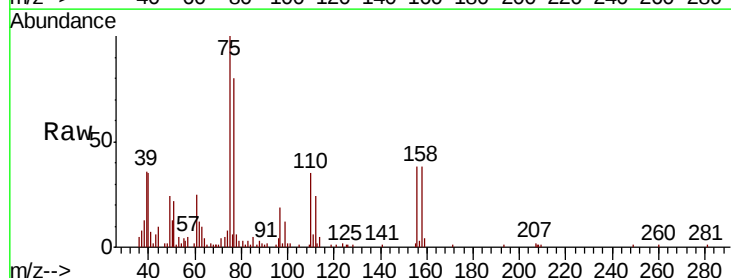
RT: 12.78 min Scan# 1847

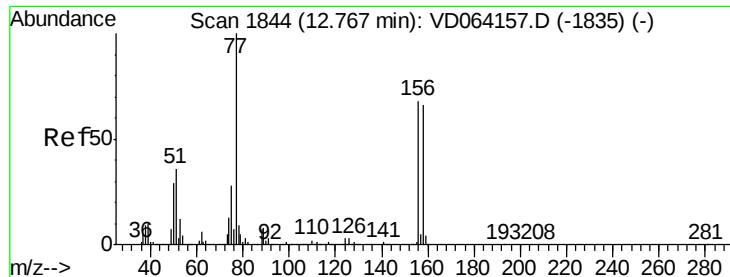
Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	75	Resp:	47224
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 10.848 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

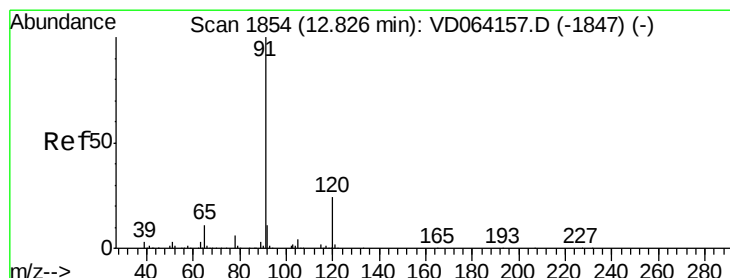
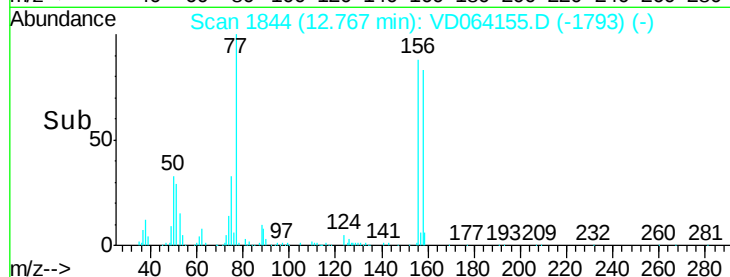
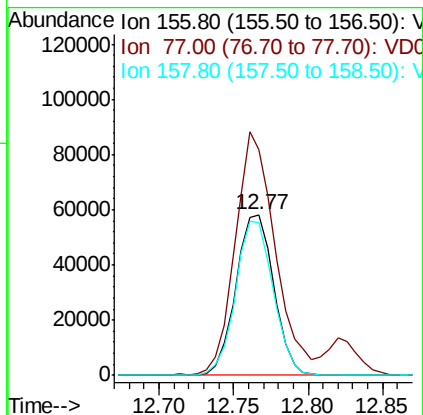
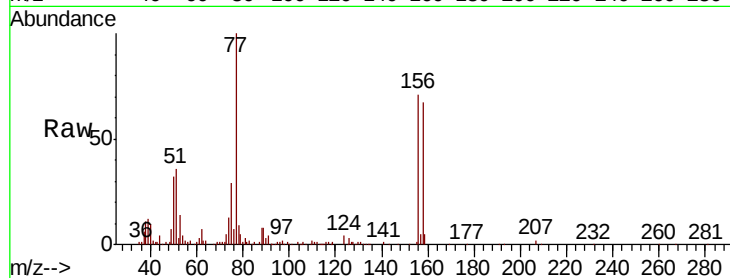
ClientSampleId :

VSTDIC010

Tot Ion:	156	Resp:	102752
Ion Ratio	Lower	Upper	
156	100		
77	160.2	81.2	243.4
158	95.5	48.4	145.2

Manual Integrations
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#78

n-propylbenzene

Concen: 10.593 ug/l

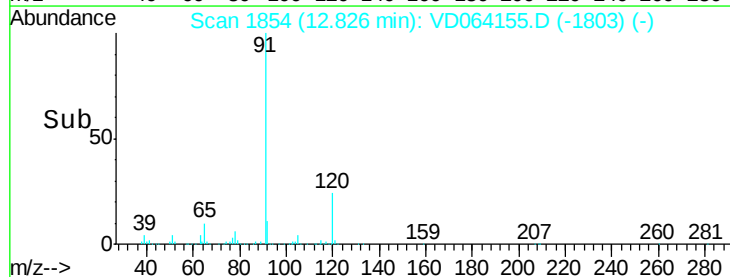
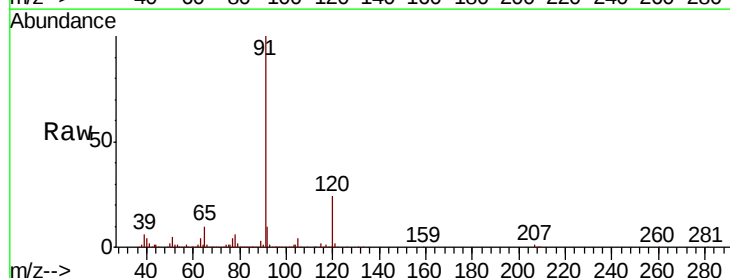
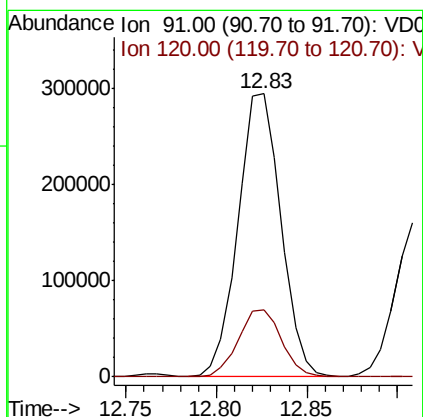
RT: 12.83 min Scan# 1854

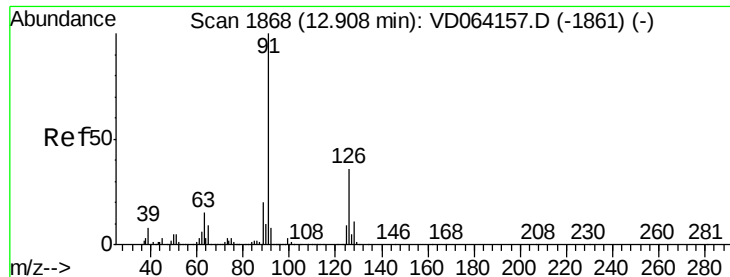
Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	91	Resp:	483379
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.8	35.4





#79

2-Chlorotoluene

Concen: 11.083 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tot Ion: 91 Resp: 273930

Ion Ratio Lower Upper

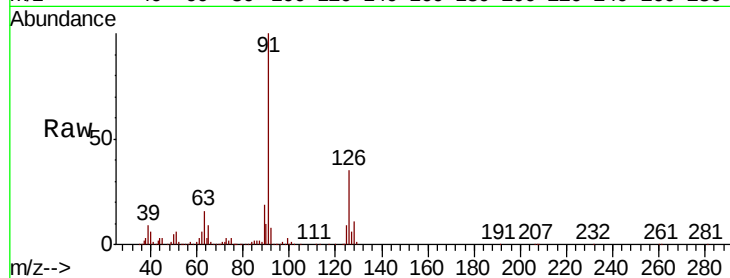
91 100

126 34.9 17.7 53.1

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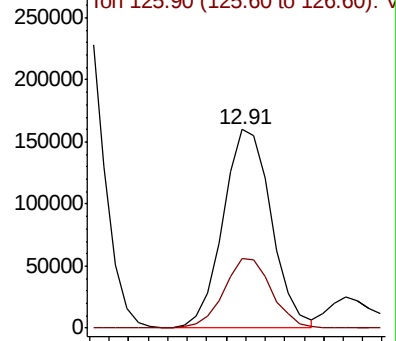
MMDadoda

11/13/2019 11:06:38 AM

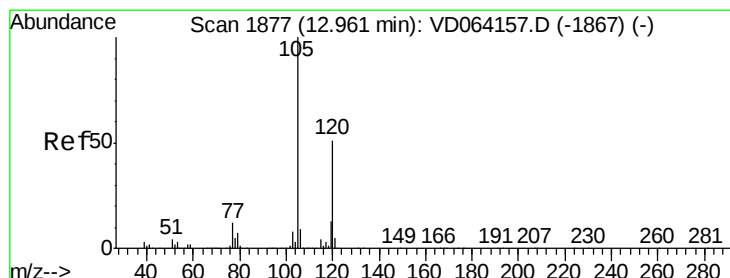
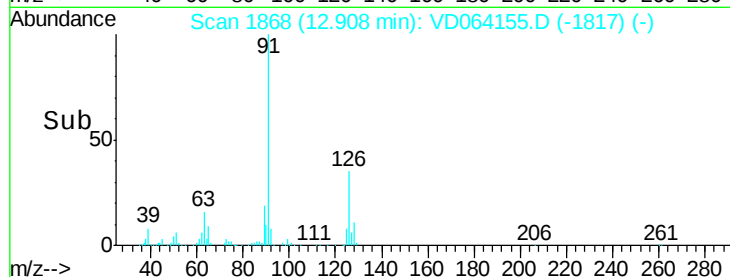


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 10.600 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD064155.D

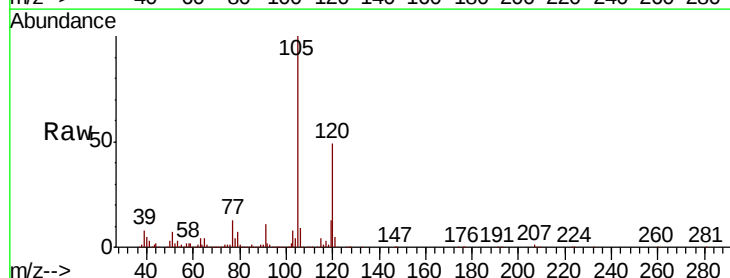
Acq: 08 Nov 2019 14:07

Tgt Ion: 105 Resp: 344547

Ion Ratio Lower Upper

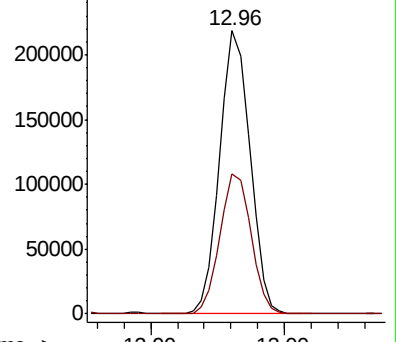
105 100

120 50.8 25.4 76.4

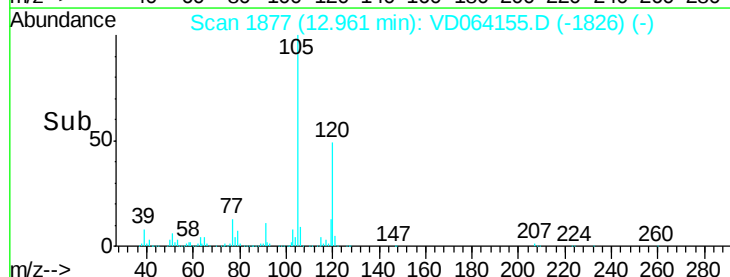


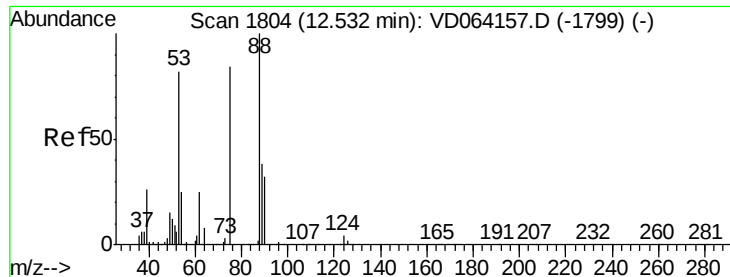
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time-->





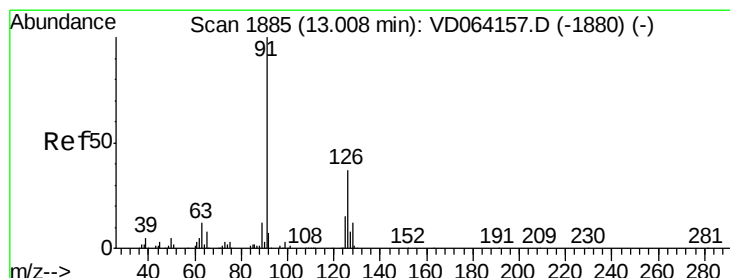
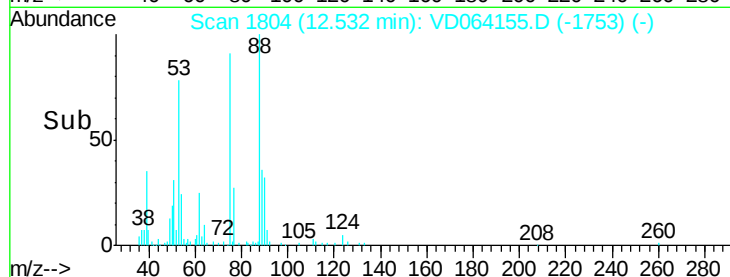
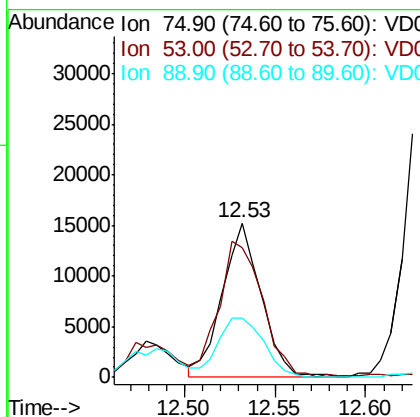
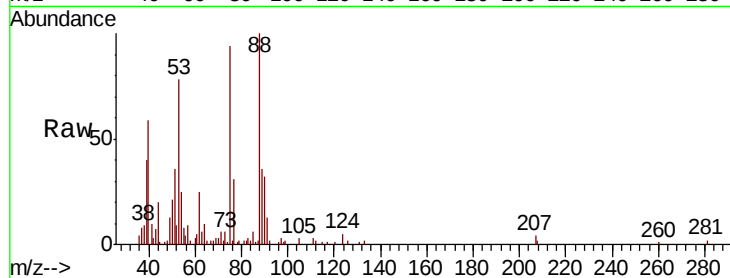
#81
trans-1,4-Dichloro-2-butene
Concen: 12.010 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.0	79.4	119.0
89	44.4	36.6	55.0

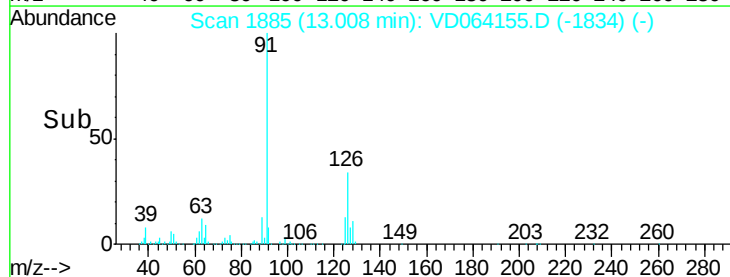
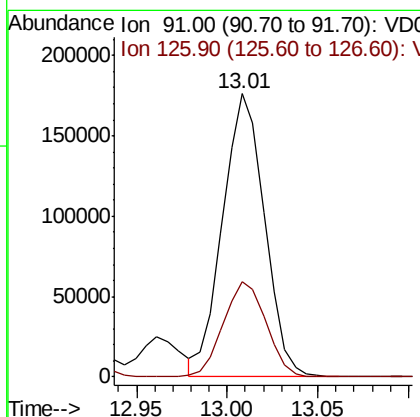
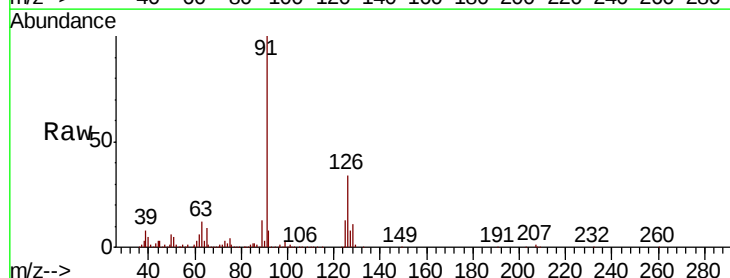
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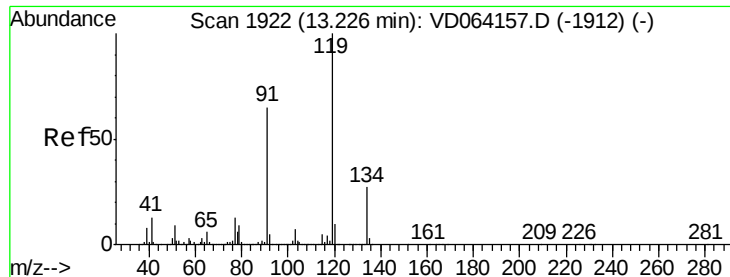
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#82
4-Chlorotoluene
Concen: 10.775 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.8	53.4





#83

tert-Butylbenzene

Concen: 10.714 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

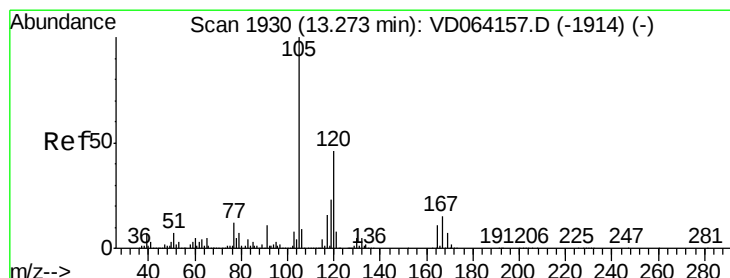
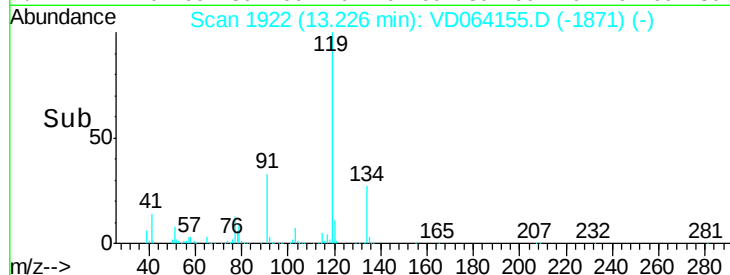
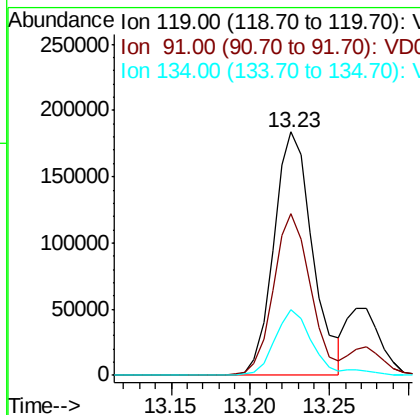
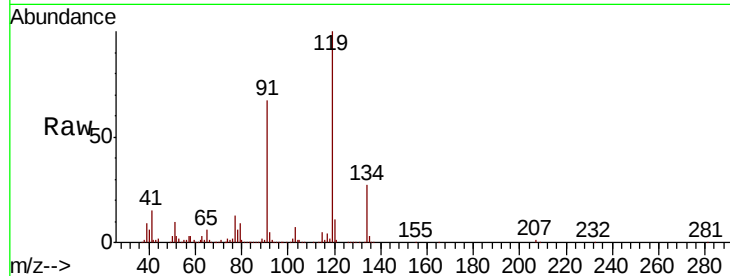
ClientSampleId :

VSTDIC010

Tot Ion:	119	Resp:	312006
Ion Ratio	Lower	Upper	
119	100		
91	63.8	31.8	95.4
134	26.8	13.7	41.0

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#84

1,2,4-Trimethylbenzene

Concen: 10.387 ug/l

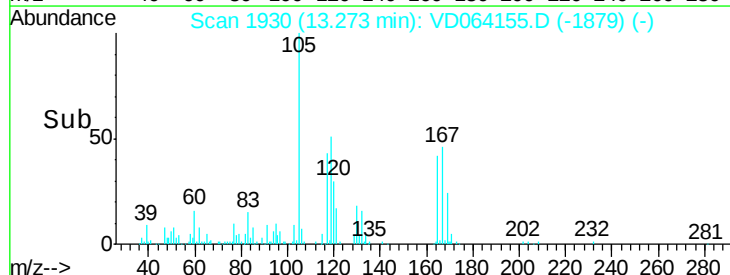
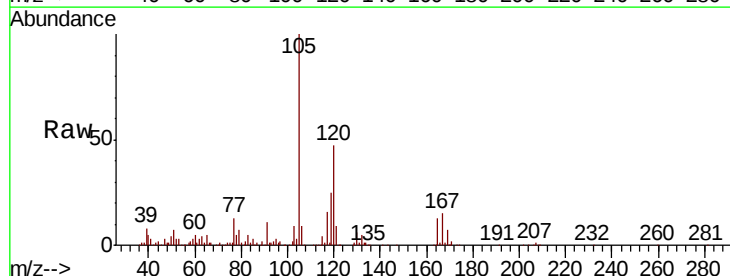
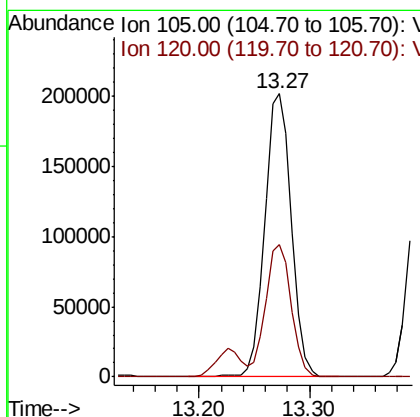
RT: 13.27 min Scan# 1930

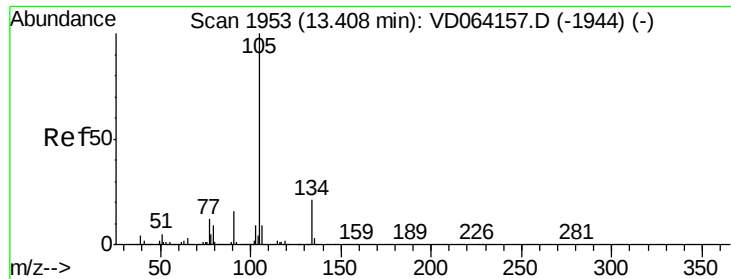
Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	105	Resp:	338351
Ion Ratio	Lower	Upper	
105	100		
120	45.7	23.3	69.8





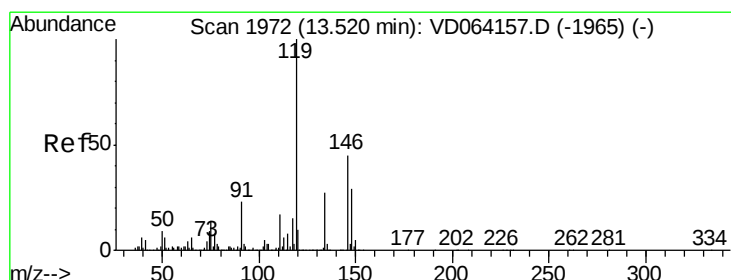
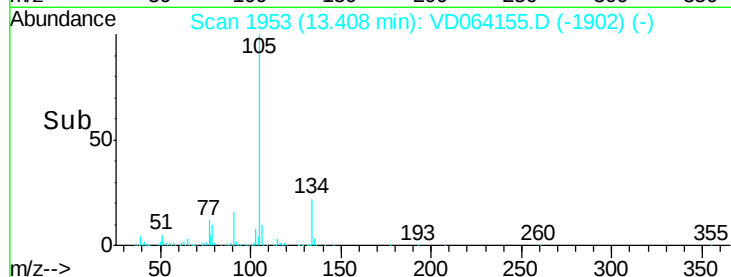
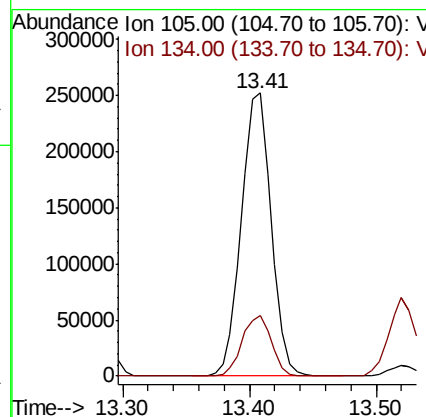
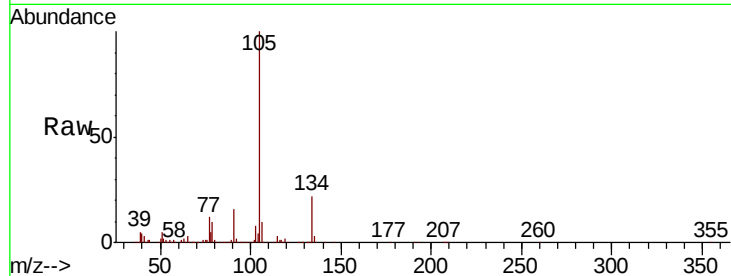
#85
 sec-Butylbenzene
 Concen: 10.310 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.2	10.7	31.9

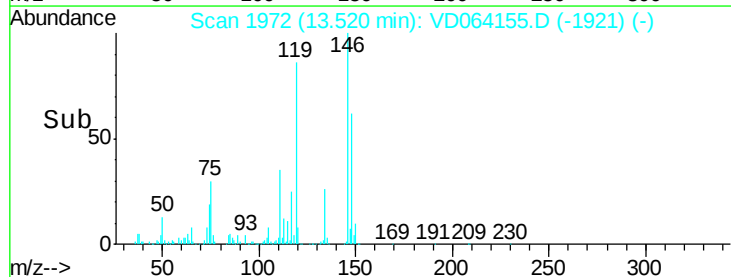
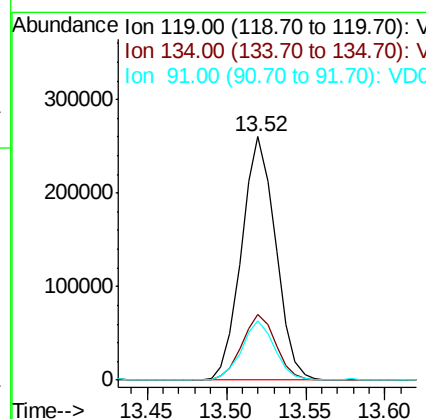
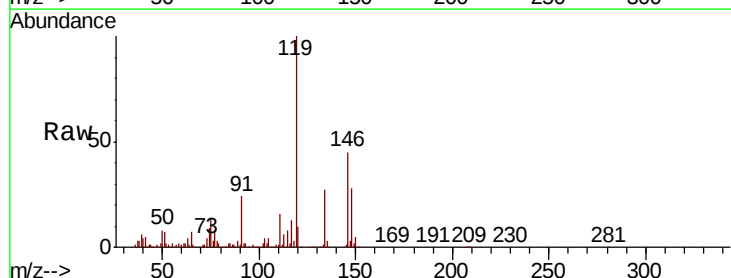
Manual Integrations
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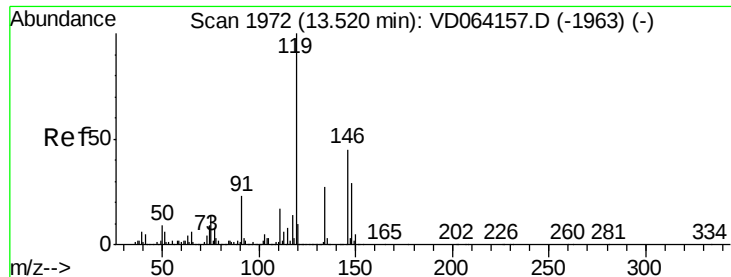
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 11/13/2019 11:06:38 AM



#86
 p-Isopropyltoluene
 Concen: 10.391 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.5
91	23.3	11.5	34.4





#87

1,3-Dichlorobenzene

Concen: 10.077 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

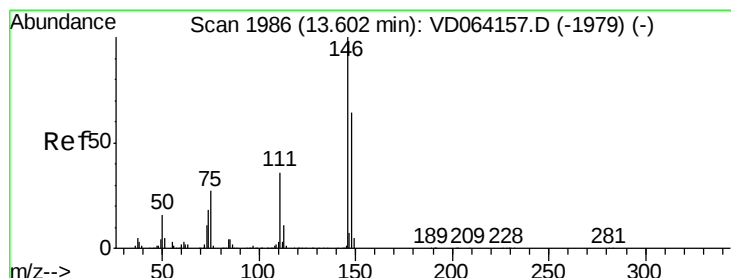
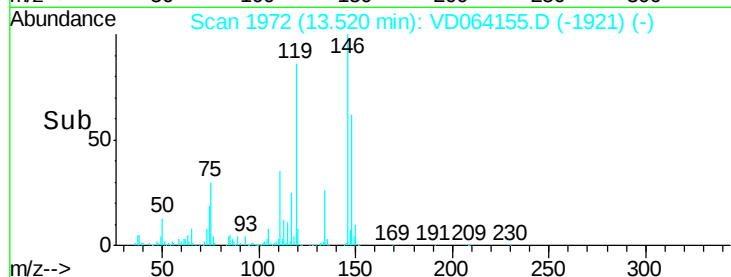
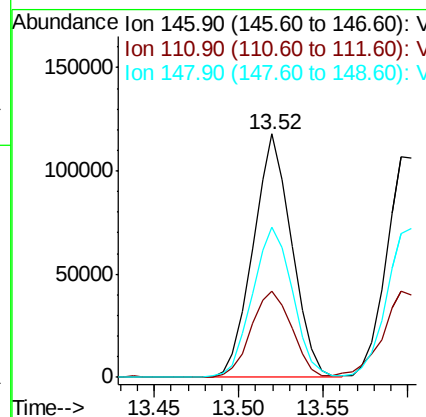
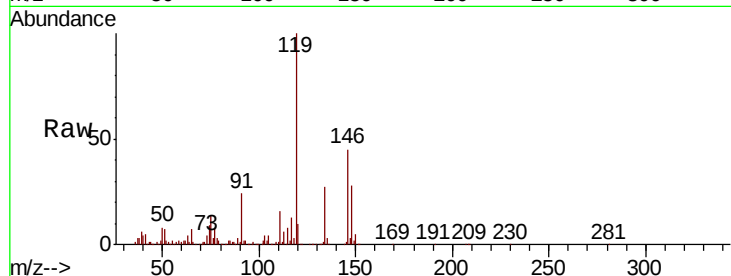
ClientSampleId :

VSTDIC010

Tot Ion:	146	Resp:	187464
Ion Ratio	Lower	Upper	
146	100		
111	37.5	18.9	56.9
148	64.3	32.1	96.5

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#88

1,4-Dichlorobenzene

Concen: 9.780 ug/l

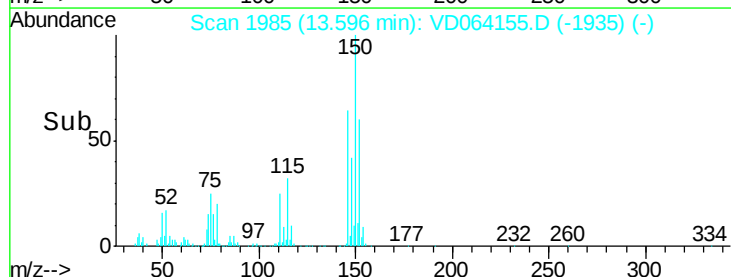
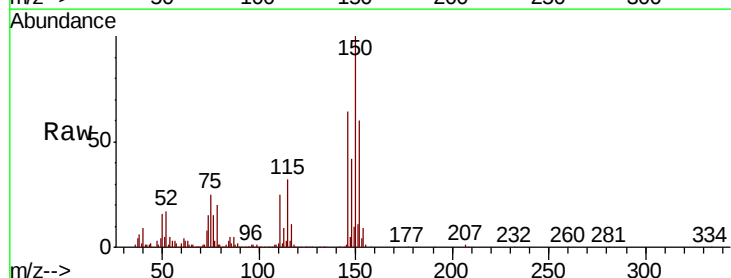
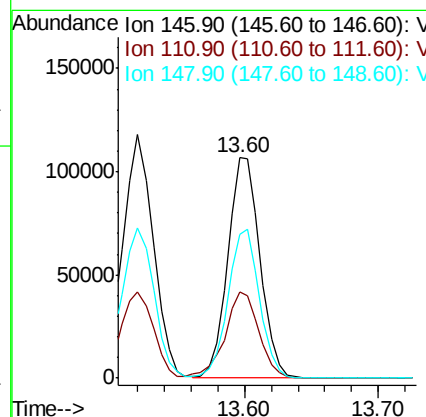
RT: 13.60 min Scan# 1985

Delta R.T. -0.01 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	146	Resp:	180343
Ion Ratio	Lower	Upper	
146	100		
111	41.3	18.1	54.4
148	66.1	31.9	95.7





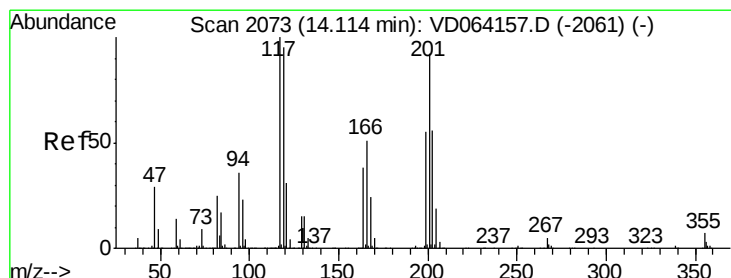
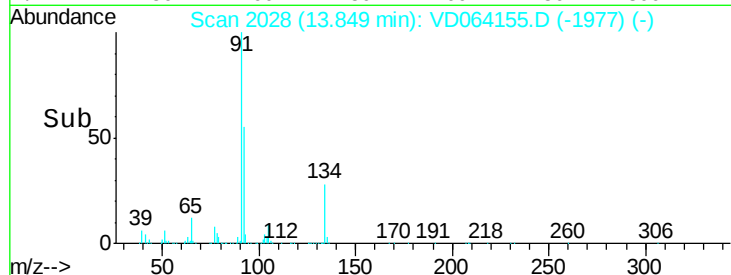
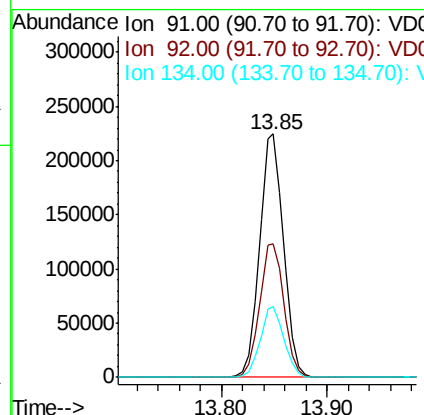
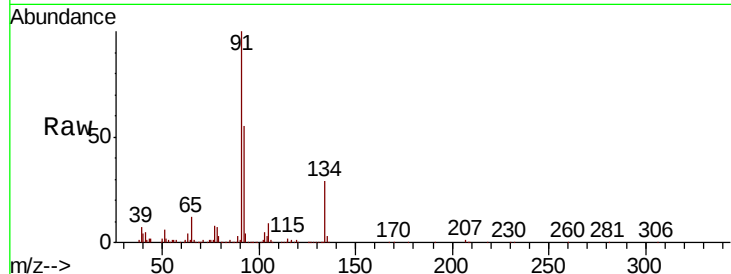
#89
n-Butylbenzene
Concen: 10.362 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		355667		
92	55.9	27.3	81.8		
134	28.7	14.1	42.4		

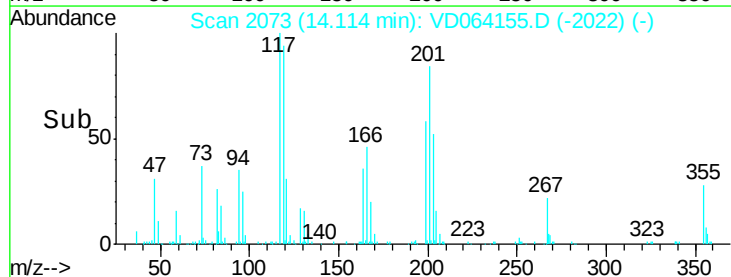
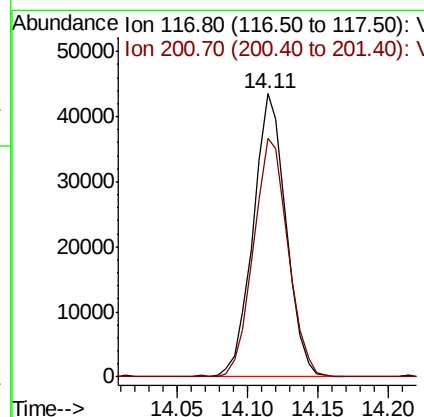
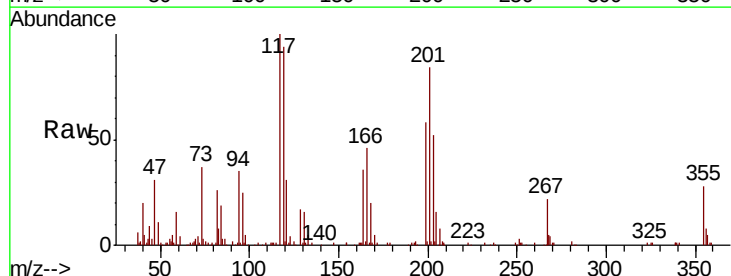
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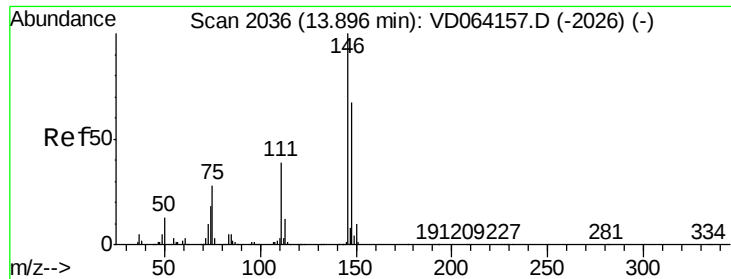
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#90
Hexachloroethane
Concen: 10.183 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD064155.D
Acq: 08 Nov 2019 14:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		71442		
201	88.0	45.8	137.4		





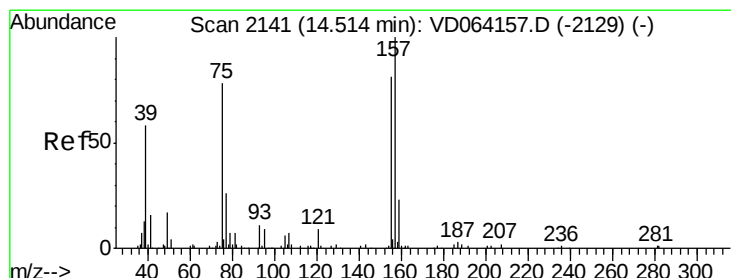
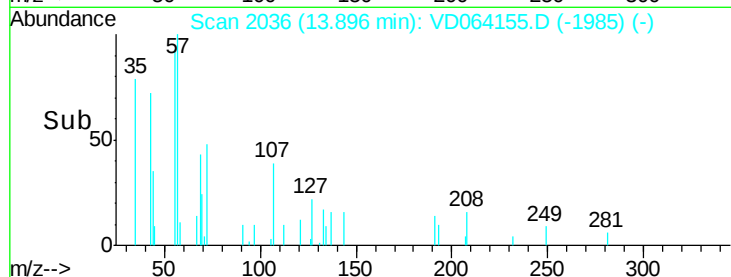
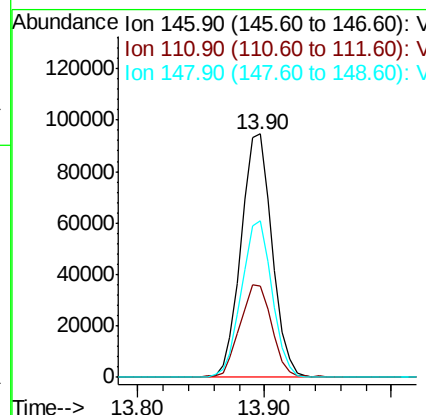
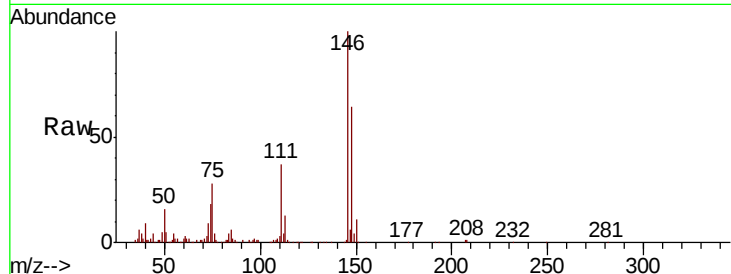
#91
 1,2-Dichlorobenzene
 Concen: 9.998 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	63.6	32.3	96.8

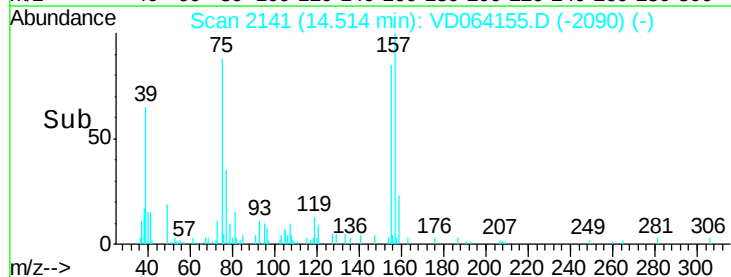
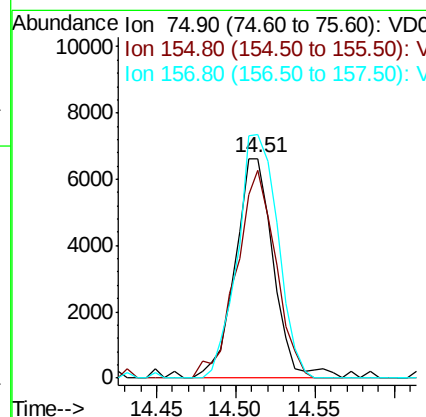
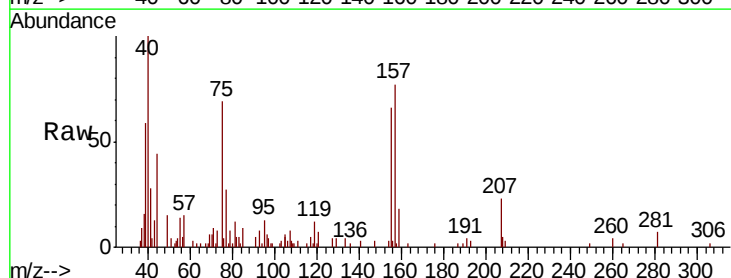
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 11.989 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	97.3	48.0	144.0
157	117.4	61.5	184.4





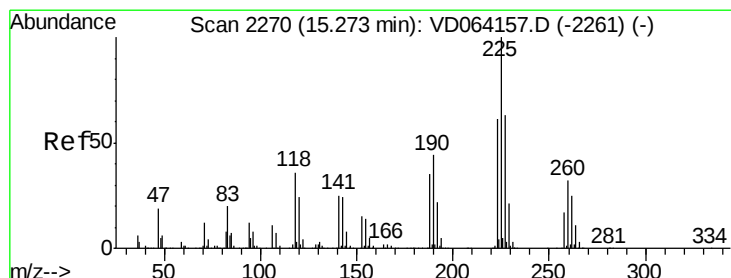
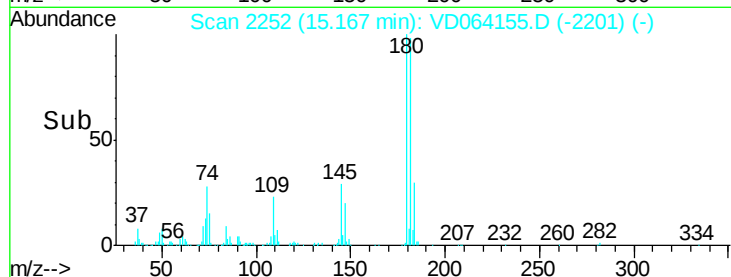
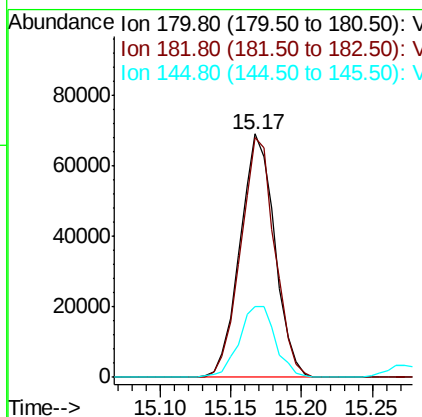
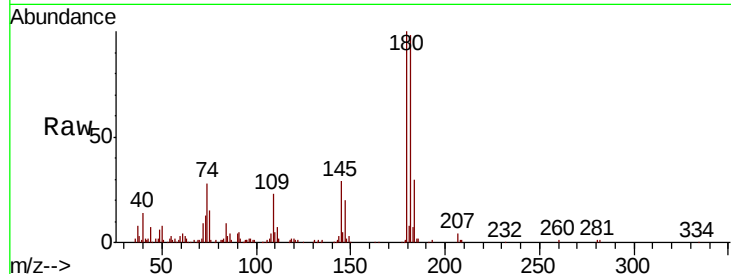
#93
 1,2,4-Trichlorobenzene
 Concen: 10.207 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	97.2	47.5	142.5	
145	30.6	14.2	42.6	

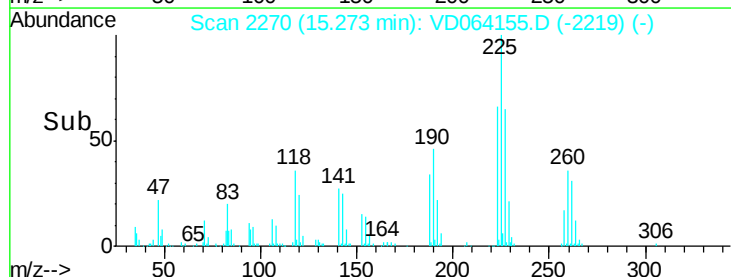
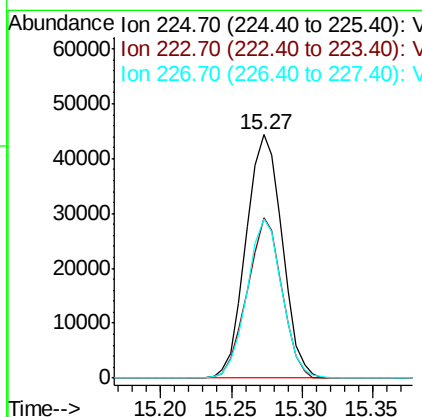
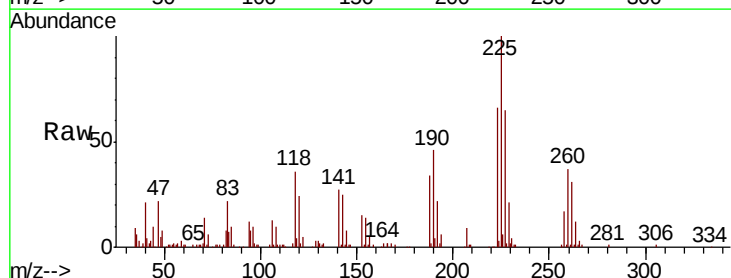
Manual Integrations
 APPROVED

MMDadoda
 11/13/2019 11:06:38 AM



#94
 Hexachlorobutadiene
 Concen: 11.553 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD064155.D
 Acq: 08 Nov 2019 14:07

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.9	31.1	93.3	
227	63.2	31.5	94.5	





#95

Naphthalene

Concen: 10.304 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Instrument :

MSVOA_D

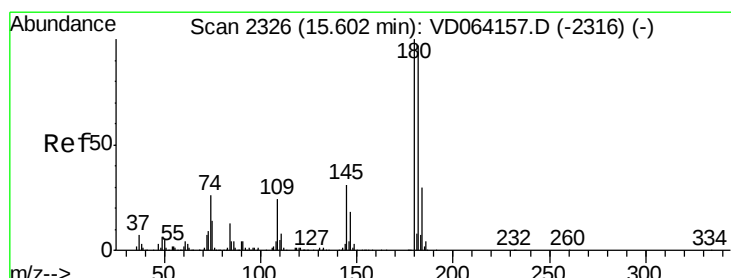
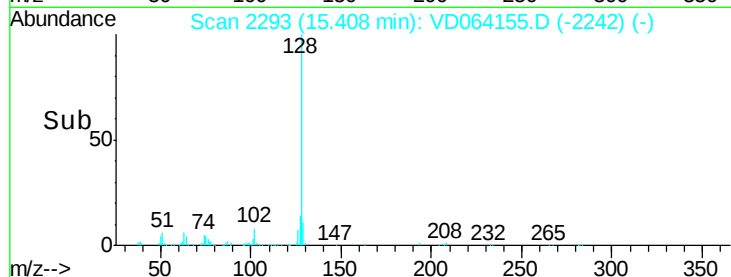
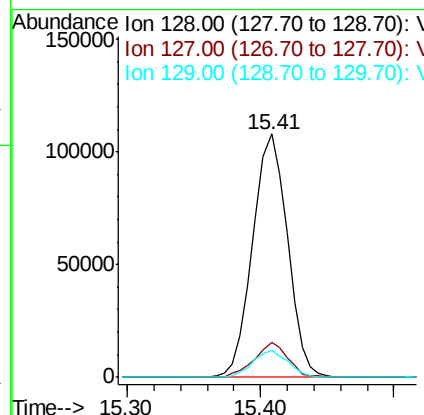
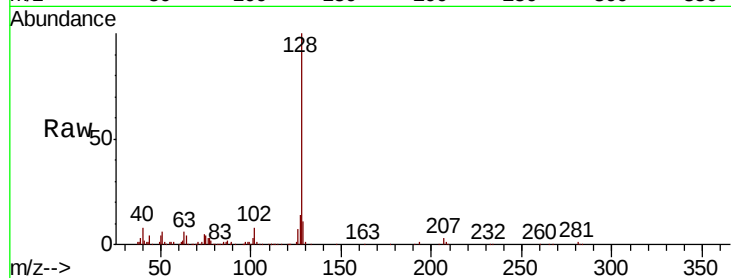
ClientSampleId :

VSTDIC010

Tot Ion:	128	Resp:	194938
Ion Ratio	Lower	Upper	
128	100		
127	14.0	10.5	15.7
129	11.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/13/2019 11:06:38 AM



#96

1,2,3-Trichlorobenzene

Concen: 10.111 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD064155.D

Acq: 08 Nov 2019 14:07

Tgt Ion:	180	Resp:	102189
Ion Ratio	Lower	Upper	
180	100		
182	94.0	48.3	144.9
145	31.1	15.3	45.8

