

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064282.D
 Acq On : 19 Nov 2019 11:35
 Operator : VA/SY
 Sample : VD1119SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/20/2019 9:56:48 AM

Quant Time: Nov 20 04:33:12 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	598166	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	847686	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	728388	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	348801	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	243894	49.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.16%	
35) Dibromofluoromethane	7.92	113	253498	52.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.20%	
50) Toluene-d8	10.34	98	953725	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
62) 4-Bromofluorobenzene	12.64	95	313948	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	92139	18.573	ug/l	100
3) Chloromethane	2.21	50	109040	20.491	ug/l	97
4) Vinyl Chloride	2.35	62	130367	22.910	ug/l	99
5) Bromomethane	2.76	94	91388	25.433	ug/l	96
6) Chloroethane	2.92	64	86641	23.828	ug/l	99
7) Trichlorofluoromethane	3.27	101	224017	24.281	ug/l	98
8) Diethyl Ether	3.71	74	47925	18.892	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.08	101	103607	19.648	ug/l	99
10) Methyl Iodide	4.29	142	96319	17.383	ug/l	98
11) Tert butyl alcohol	5.25	59	30562	88.944	ug/l #	69
12) 1,1-Dichloroethene	4.06	96	98832	19.663	ug/l	95
13) Acrolein	3.93	56	20288	69.794	ug/l	99
14) Allyl chloride	4.71	41	159642	17.964	ug/l	96
15) Acrylonitrile	5.43	53	103989	96.157	ug/l	100
16) Acetone	4.17	43	86070	73.851	ug/l #	88
17) Carbon Disulfide	4.39	76	285511	18.240	ug/l	99
18) Methyl Acetate	4.72	43	60892	18.707	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	219562	18.298	ug/l	98
20) Methylene Chloride	4.96	84	105598	17.937	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	110882	19.471	ug/l	95
22) Diisopropyl ether	6.37	45	300283	18.211	ug/l	96
23) Vinyl Acetate	6.31	43	845146	91.950	ug/l	99
24) 1,1-Dichloroethane	6.26	63	181209	18.927	ug/l	100
25) 2-Butanone	7.23	43	128595	85.406	ug/l	97
26) 2,2-Dichloropropane	7.21	77	175270	18.668	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	121059	19.824	ug/l	95
28) Bromochloromethane	7.54	49	53324	15.998	ug/l	97
29) Tetrahydrofuran	7.57	42	83113	91.873	ug/l	97
30) Chloroform	7.71	83	204445	20.876	ug/l	97
31) Cyclohexane	7.99	56	178074	18.443	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	182985	19.514	ug/l	99
36) 1,1-Dichloropropene	8.11	75	150349	19.218	ug/l	98
37) Ethyl Acetate	7.30	43	55056	16.693	ug/l	96
38) Carbon Tetrachloride	8.10	117	164546	19.656	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186676	18.857	ug/l	96
40) Benzene	8.35	78	414913	19.405	ug/l	97
41) Methacrylonitrile	7.53	41	36062	17.396	ug/l	93
42) 1,2-Dichloroethane	8.43	62	115988	18.062	ug/l	98
43) Isopropyl Acetate	8.46	43	120697	17.761	ug/l	98
44) Trichloroethene	9.11	130	126424	19.701	ug/l	96
45) 1,2-Dichloropropane	9.39	63	100668	19.344	ug/l	98
46) Dibromomethane	9.47	93	52738	18.929	ug/l	95
47) Bromodichloromethane	9.67	83	145373	19.371	ug/l	97
48) Methyl methacrylate	9.46	41	55412	16.676	ug/l	92
49) 1,4-Dioxane	9.47	88	12241	365.828	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	288042	88.390	ug/l	98
52) Toluene	10.41	92	274360	19.514	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	137487	18.286	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	164702	18.773	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	73455	19.435	ug/l	97
56) Ethyl methacrylate	10.67	69	94393	17.853	ug/l	97
57) 1,3-Dichloropropane	10.95	76	127101	19.282	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	209084	97.626	ug/l	98
59) 2-Hexanone	10.99	43	197935	85.374	ug/l	98
60) Dibromochloromethane	11.14	129	101671	19.278	ug/l	99
61) 1,2-Dibromoethane	11.25	107	73715	19.472	ug/l	99
64) Tetrachloroethene	10.88	164	111029	19.820	ug/l	96
65) Chlorobenzene	11.68	112	289031	19.514	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	109886	19.511	ug/l	99
67) Ethyl Benzene	11.75	91	519683	19.397	ug/l	99
68) m/p-Xylenes	11.86	106	396756	38.635	ug/l	99
69) o-Xylene	12.18	106	185975	19.526	ug/l	97
70) Styrene	12.20	104	318355	19.149	ug/l	98
71) Bromoform	12.37	173	62537	19.511	ug/l #	99
73) Isopropylbenzene	12.48	105	513866	20.071	ug/l	100
74) N-amyl acetate	12.30	43	110357	18.254	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	75044	19.453	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	40233m	14.320	ug/l	
77) Bromobenzene	12.77	156	124668	20.044	ug/l	96
78) n-propylbenzene	12.83	91	589620	20.158	ug/l	100
79) 2-Chlorotoluene	12.91	91	321833	19.488	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	408214	19.404	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	24332	17.203	ug/l	96
82) 4-Chlorotoluene	13.01	91	332109	19.281	ug/l	98
83) tert-Butylbenzene	13.23	119	358846	19.345	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	404990	19.500	ug/l	99
85) sec-Butylbenzene	13.41	105	486521	19.528	ug/l	100
86) p-Isopropyltoluene	13.53	119	460128	19.426	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	227882	19.737	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	220876	19.601	ug/l	99
89) n-Butylbenzene	13.86	91	415009	19.394	ug/l	99
90) Hexachloroethane	14.12	117	86203	19.693	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	193698	19.821	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	12372	17.937	ug/l	96

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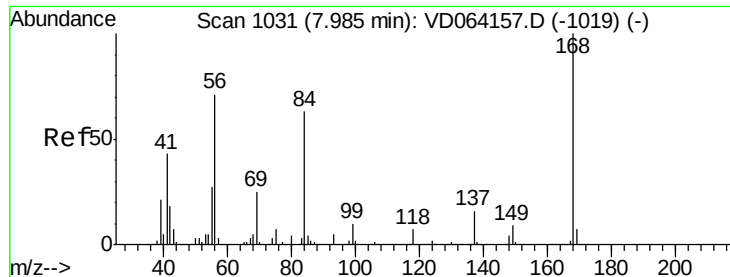
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	145910	19.355	ug/l	97
94) Hexachlorobutadiene	15.28	225	96048	19.726	ug/l	98
95) Naphthalene	15.41	128	238583	19.307	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	126083	19.676	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion:168 Resp: 598166

Ion Ratio Lower Upper

168 100

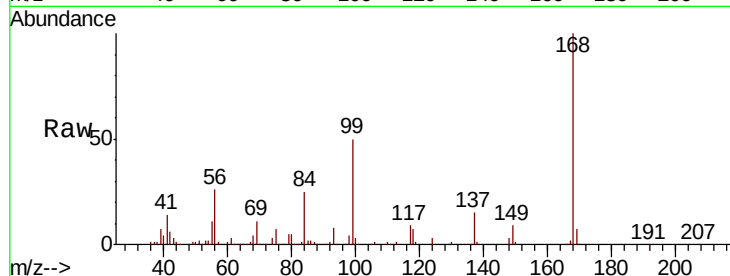
99 50.3 41.6 62.4

Manual Integrations

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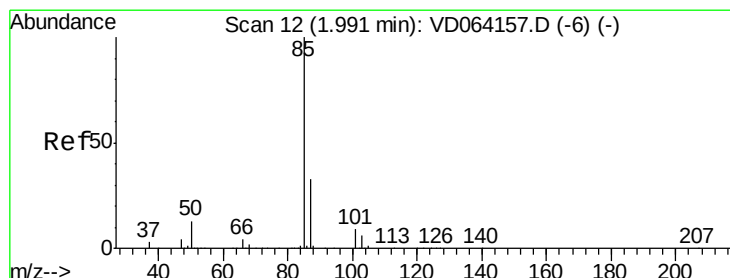
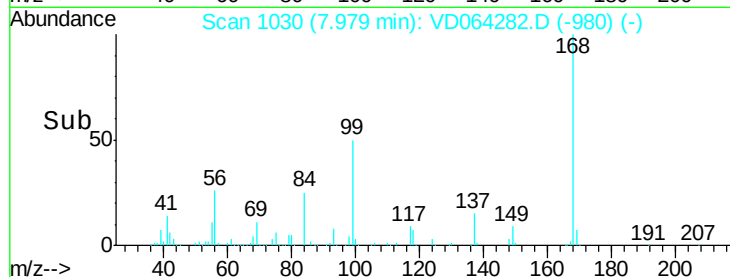
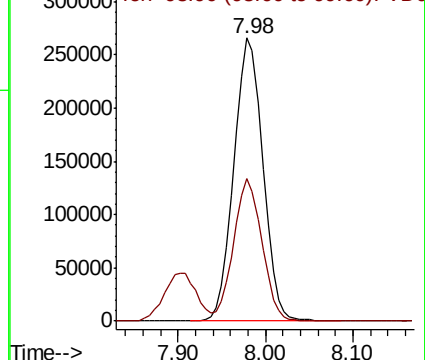
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 18.573 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064282.D

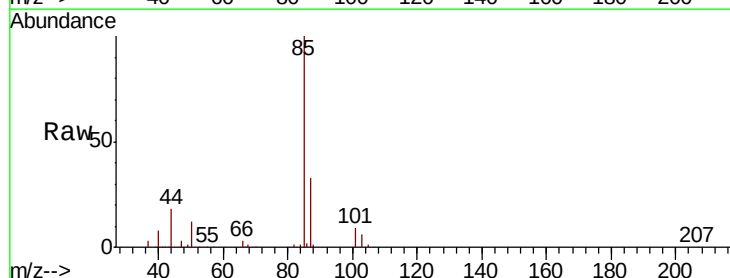
Acq: 19 Nov 2019 11:35

Tgt Ion: 85 Resp: 92139

Ion Ratio Lower Upper

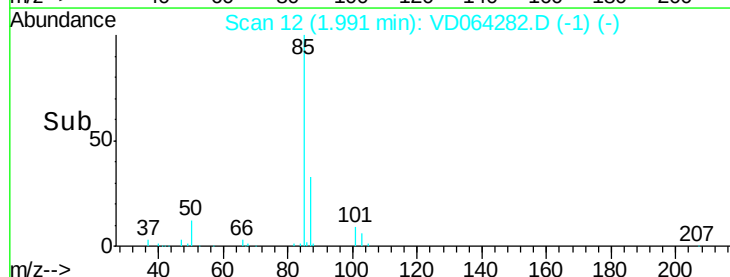
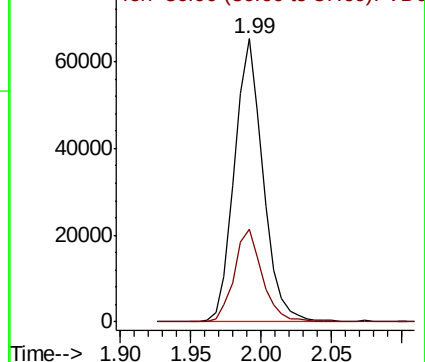
85 100

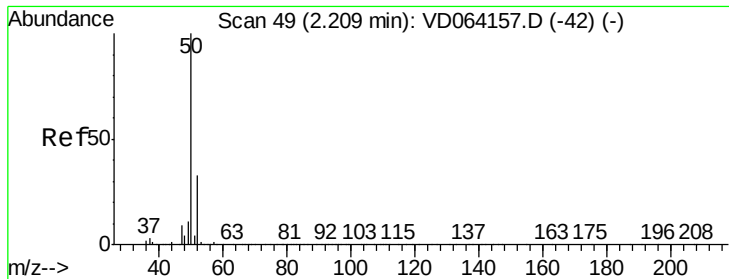
87 32.7 16.4 49.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.491 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 50 Resp: 109040

Ion Ratio Lower Upper

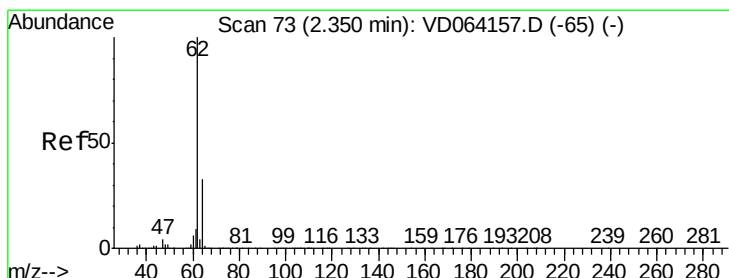
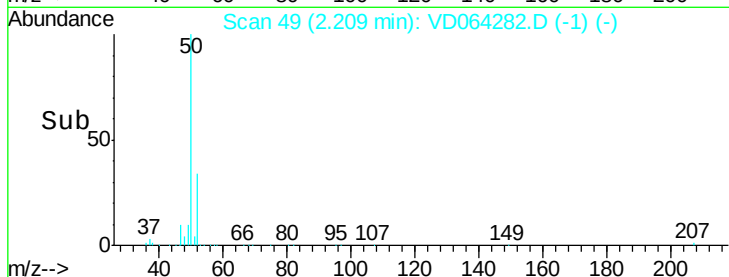
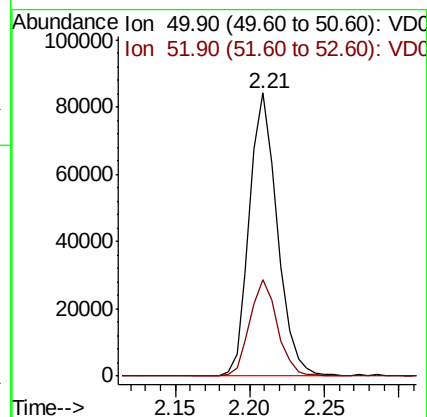
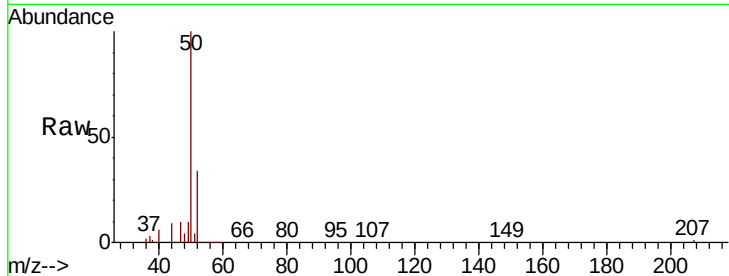
50 100

52 34.2 26.2 39.4

Manual Integrations
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11/20/2019 9:56:48 AM



#4

Vinyl Chloride

Concen: 22.910 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064282.D

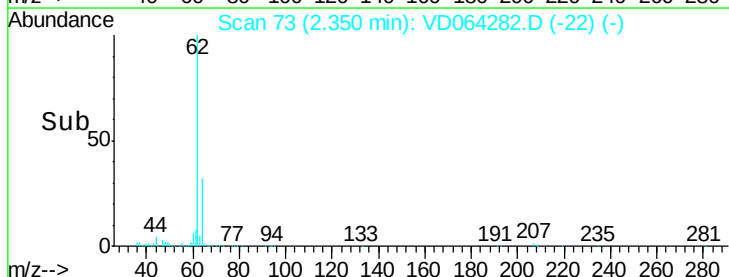
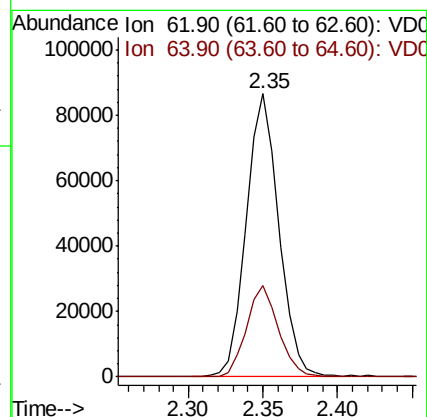
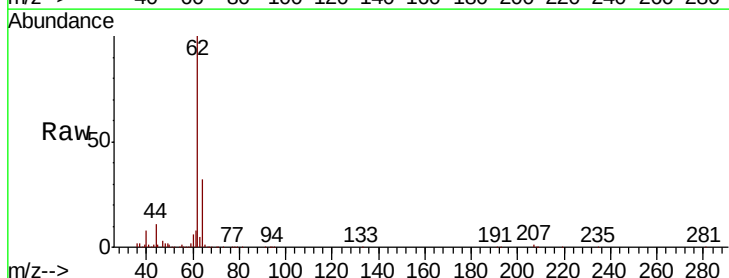
Acq: 19 Nov 2019 11:35

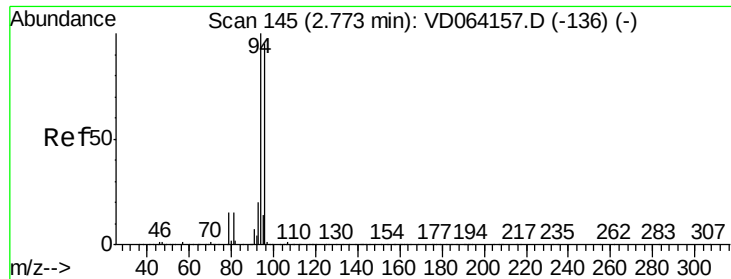
Tgt Ion: 62 Resp: 130367

Ion Ratio Lower Upper

62 100

64 32.3 26.2 39.2





#5

Bromomethane

Concen: 25.433 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 94 Resp: 91388

Ion Ratio Lower Upper

94 100

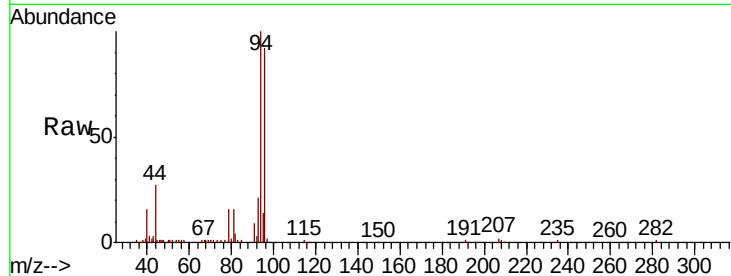
96 91.6 76.2 114.4

Manual Integrations

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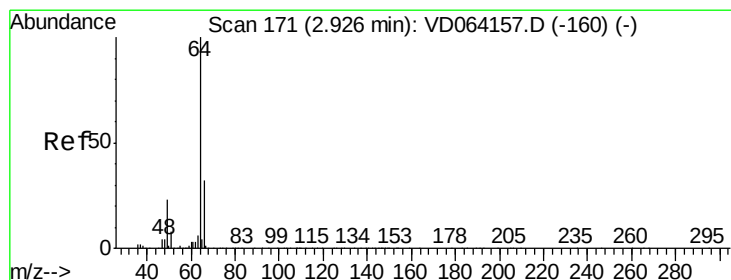
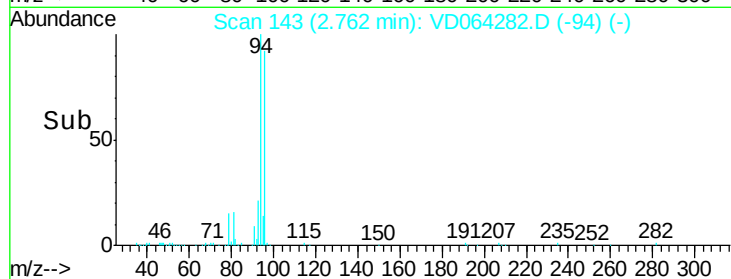
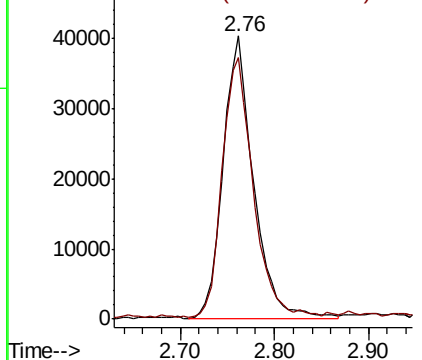
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 23.828 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD064282.D

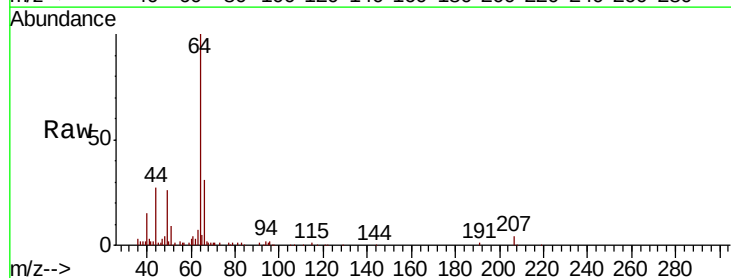
Acq: 19 Nov 2019 11:35

Tgt Ion: 64 Resp: 86641

Ion Ratio Lower Upper

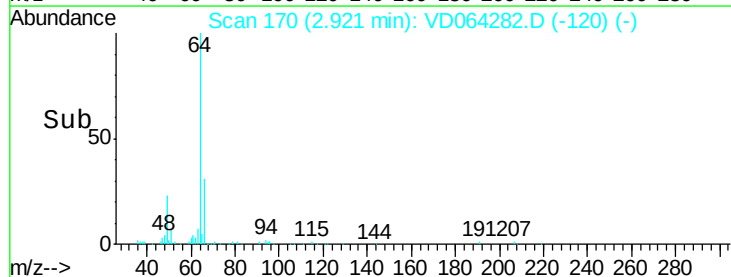
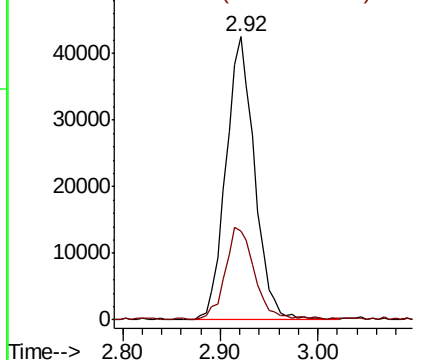
64 100

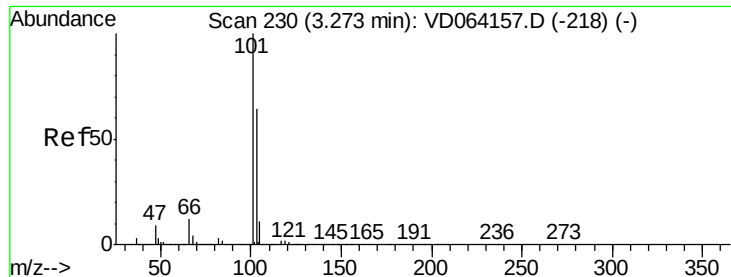
66 31.3 25.5 38.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

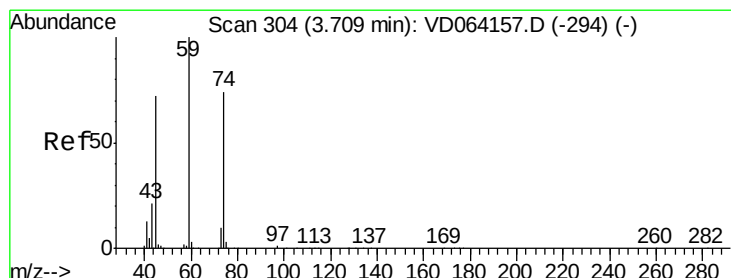
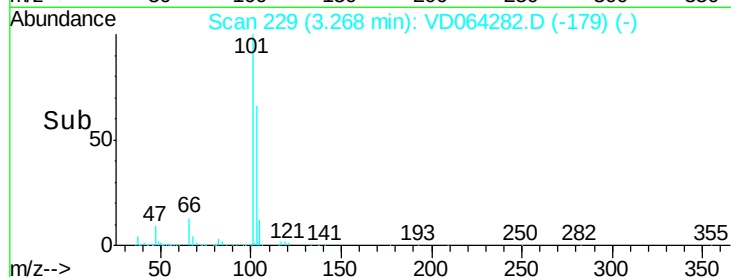
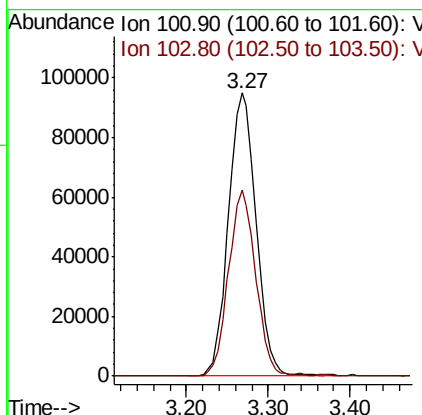
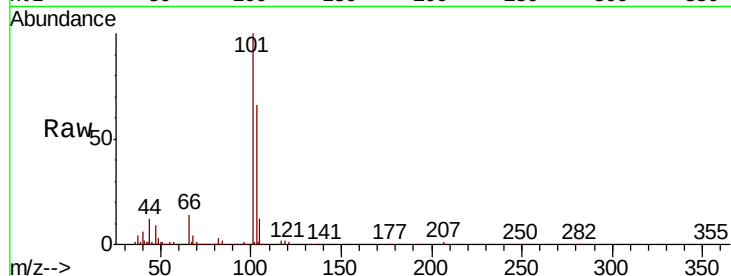
Trichlorofluoromethane
Concen: 24.281 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	50.8	76.2

Manual Integrations
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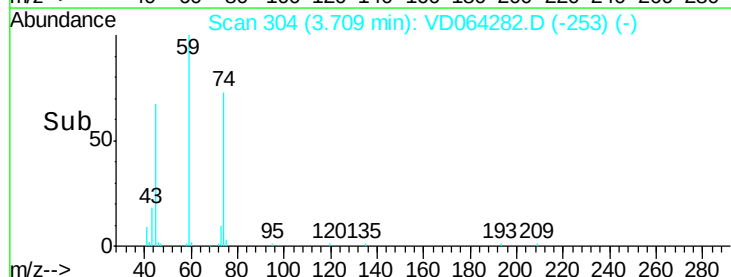
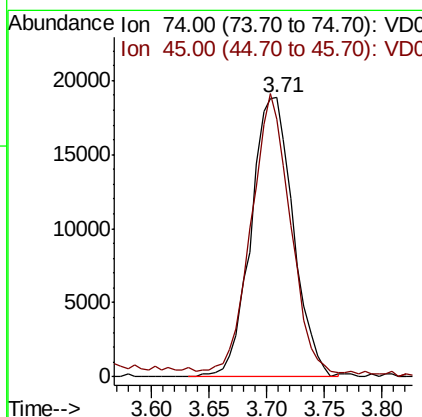
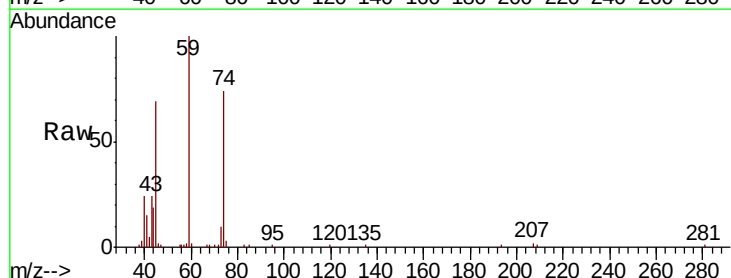
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11/20/2019 9:56:48 AM

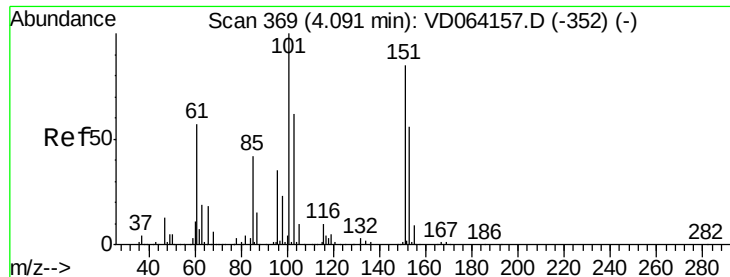


#8

Diethyl Ether
Concen: 18.892 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
74	100		
45	91.4	47.9	143.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.648 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

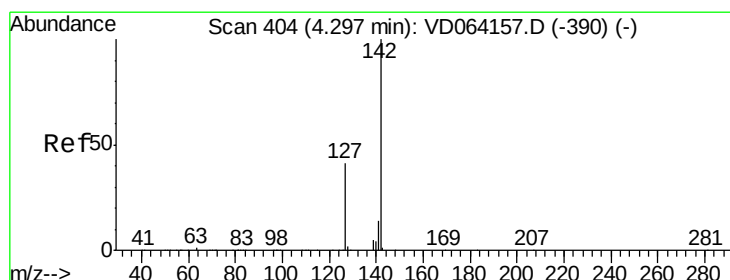
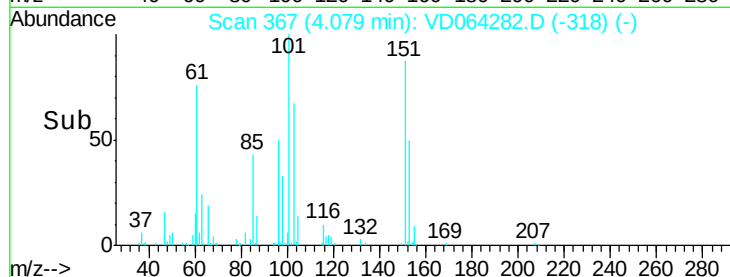
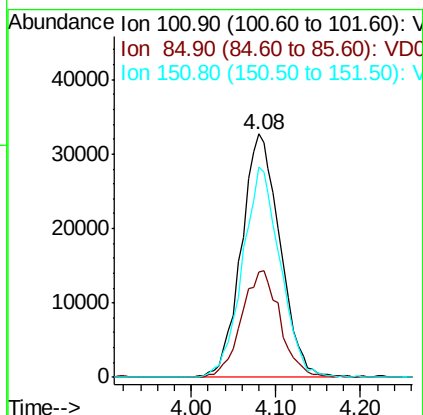
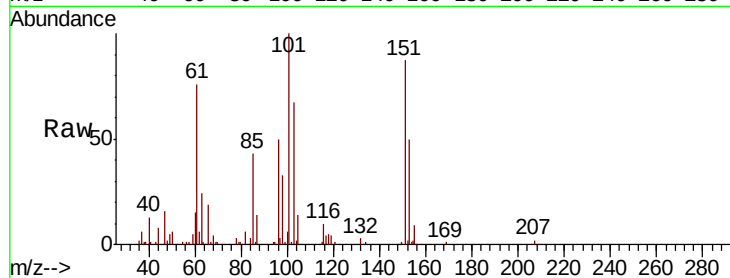
ClientSampleId :

VD1119SBS01

Tot Ion:	101	Resp:	103607
Ion Ratio	Lower	Upper	
101	100		
85	43.8	34.4	51.6
151	84.6	68.1	102.1

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#10

Methyl Iodide

Concen: 17.383 ug/l

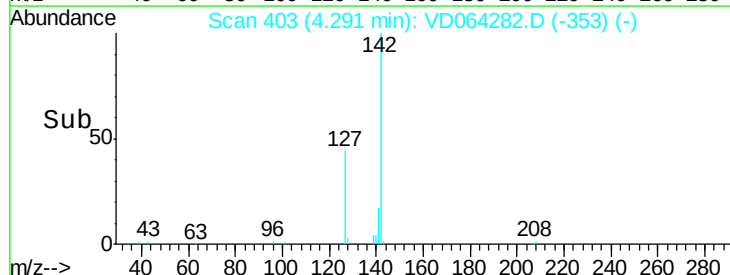
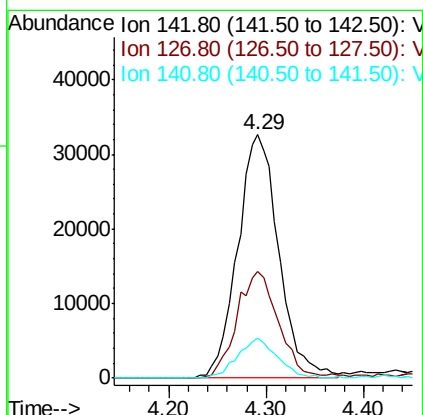
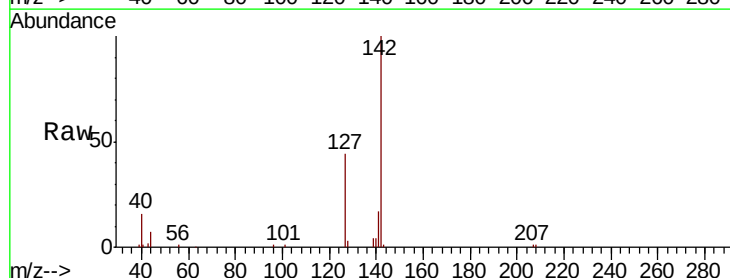
RT: 4.29 min Scan# 403

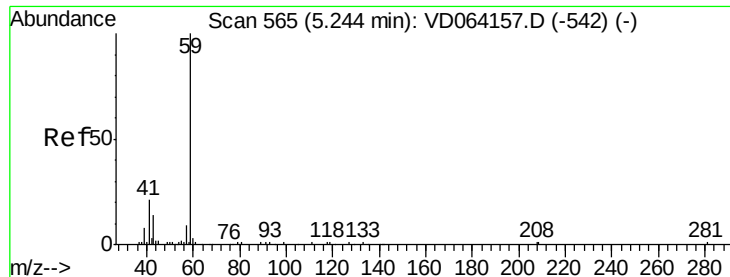
Delta R.T. -0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion:	142	Resp:	96319
Ion Ratio	Lower	Upper	
142	100		
127	44.0	34.4	51.6
141	16.0	11.2	16.8





#11

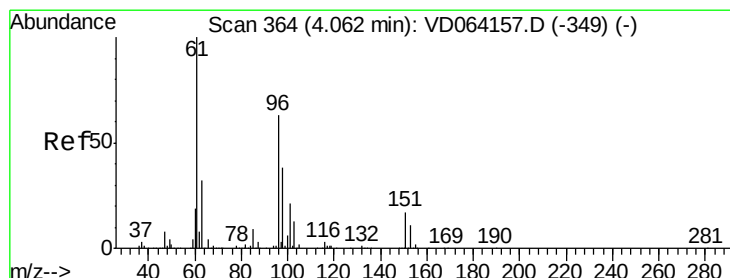
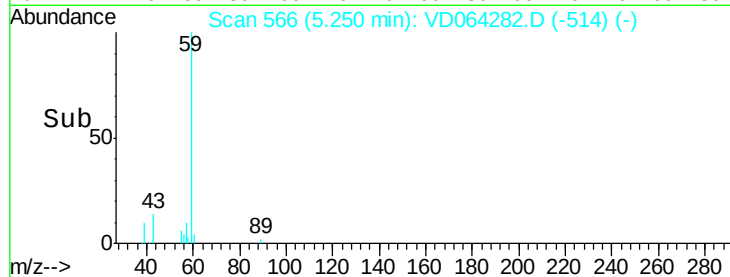
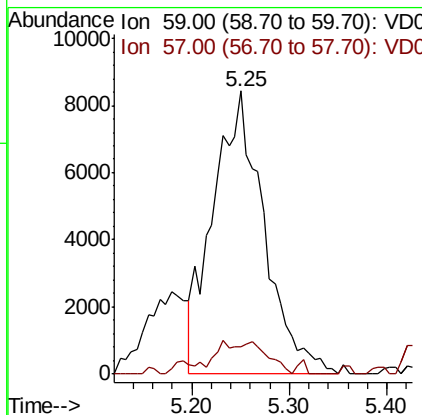
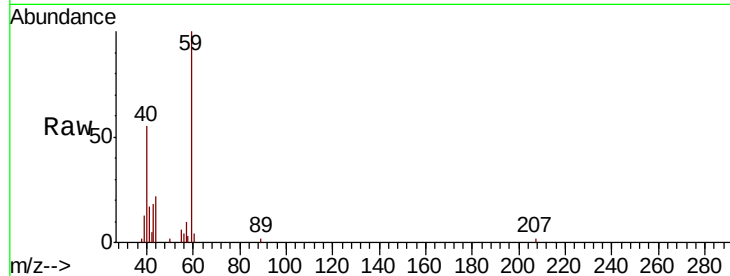
Tert butyl alcohol
Concen: 88.944 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	9.4	14.2#

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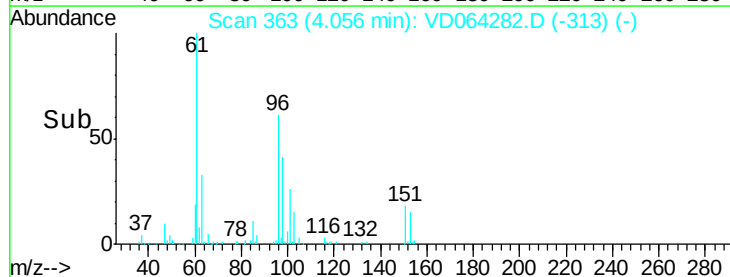
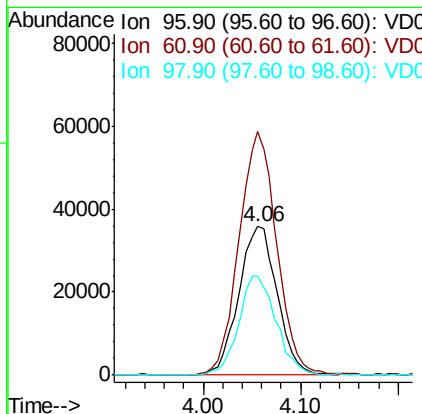
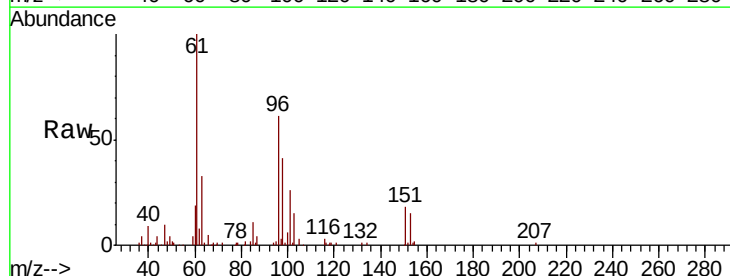
MMDadoda
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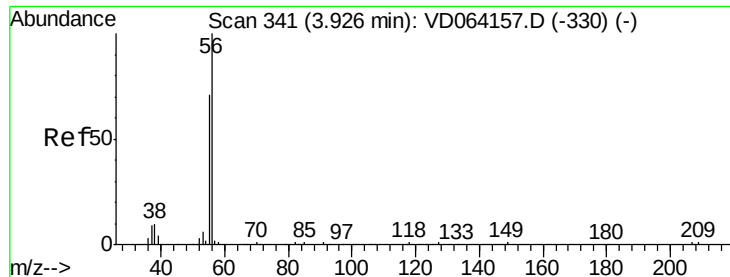


#12

1,1-Dichloroethene
Concen: 19.663 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
96	100		
61	163.7	127.4	191.2
98	66.3	48.1	72.1





#13

Acrolein

Concen: 69.794 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 56 Resp: 20288

Ion Ratio Lower Upper

56 100

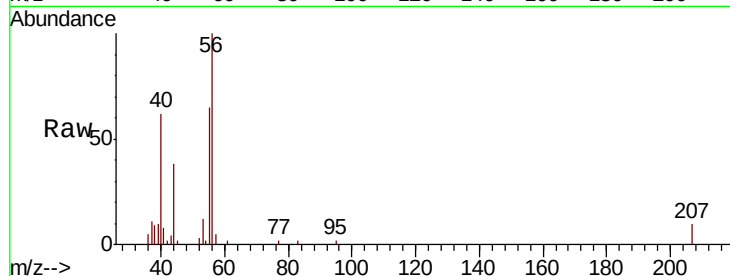
55 70.9 56.1 84.1

Manual Integrations

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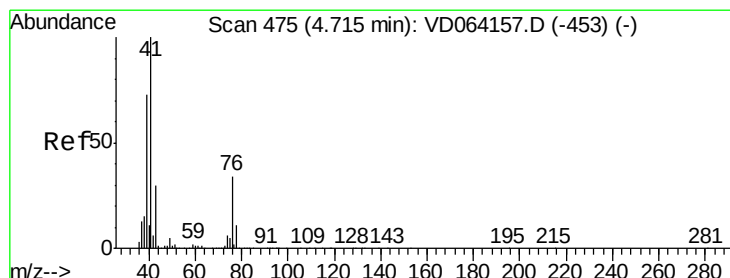
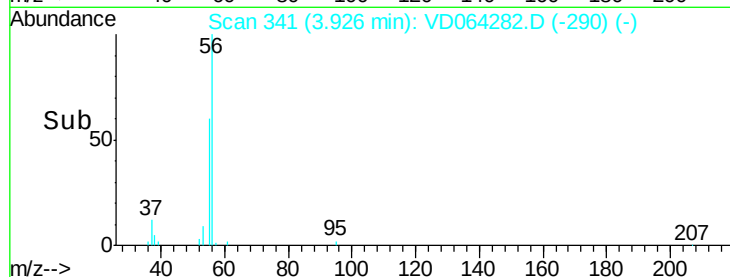
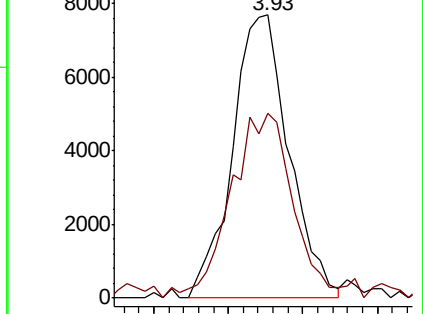
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.964 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

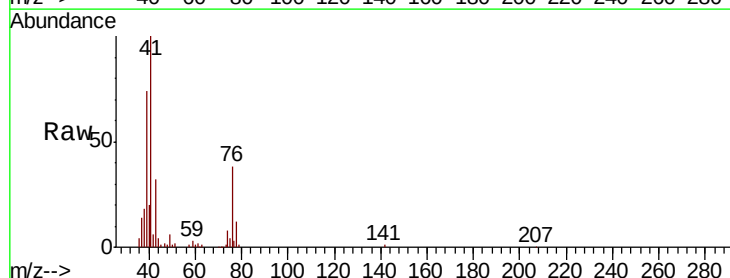
Tgt Ion: 41 Resp: 159642

Ion Ratio Lower Upper

41 100

39 75.1 57.5 86.3

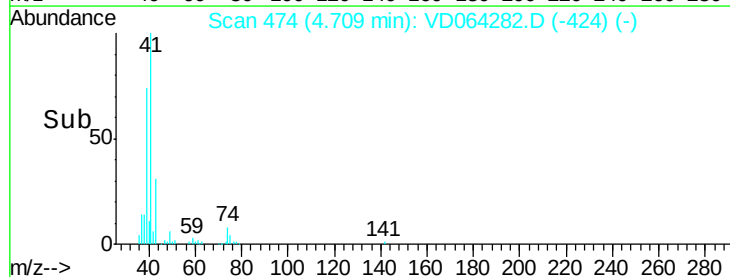
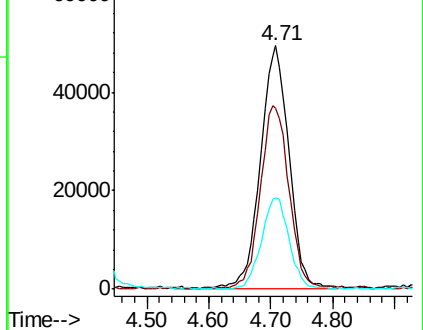
76 36.3 26.8 40.2

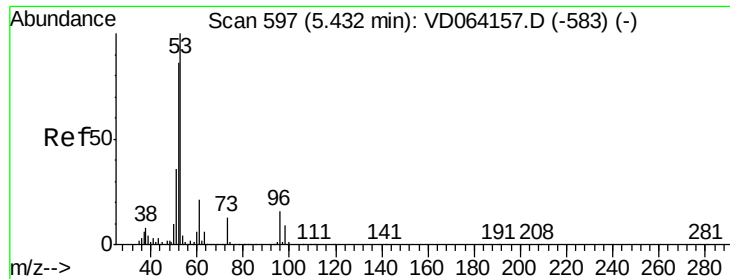


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 96.157 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

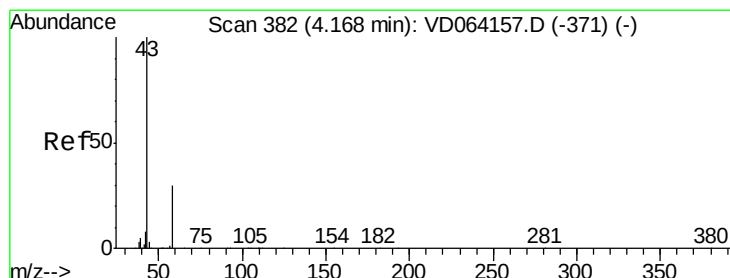
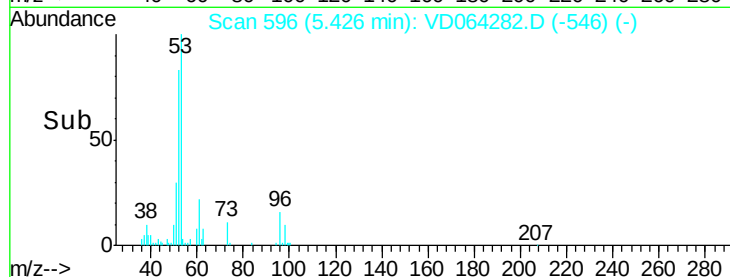
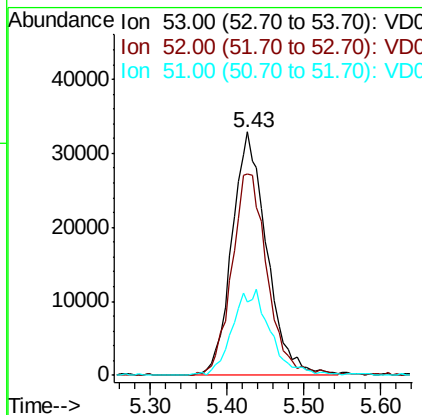
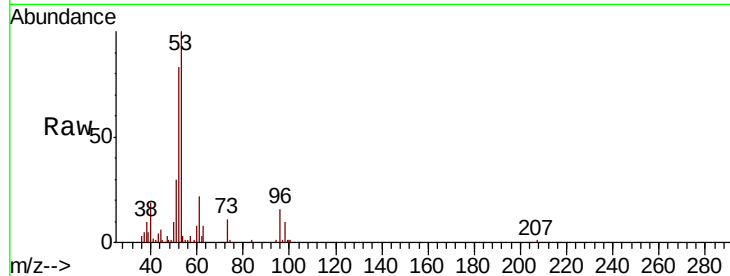
ClientSampleId :

VD1119SBS01

Tot Ion:	53	Resp:	103989
Ion	Ratio	Lower	Upper
53	100		
52	83.4	66.7	100.1
51	38.1	30.6	46.0

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#16

Acetone

Concen: 73.851 ug/l

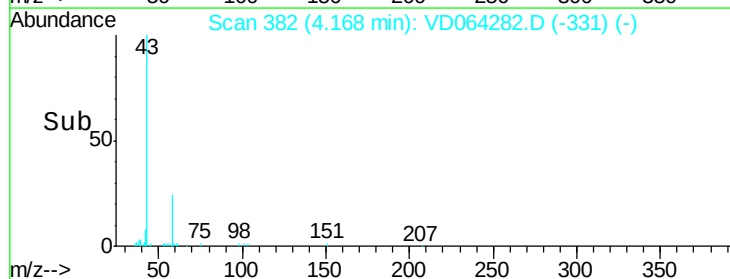
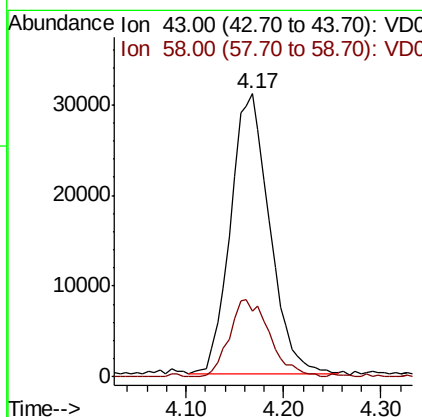
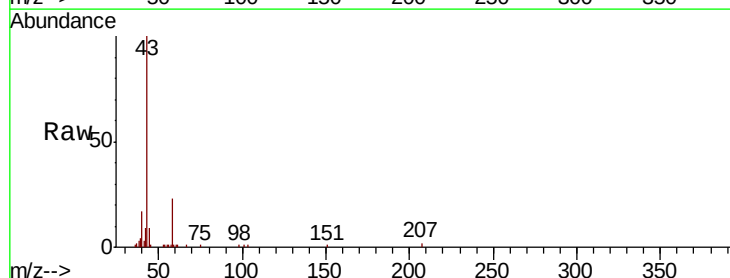
RT: 4.17 min Scan# 382

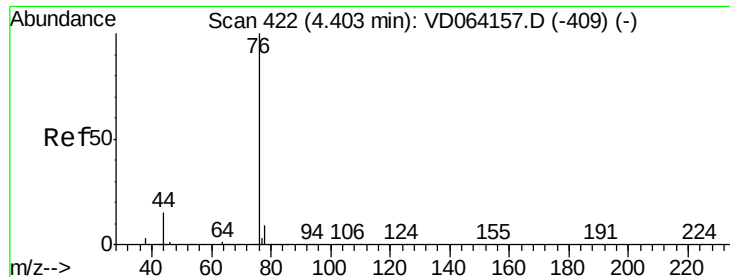
Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion:	43	Resp:	86070
Ion	Ratio	Lower	Upper
43	100		
58	23.5	24.1	36.1#





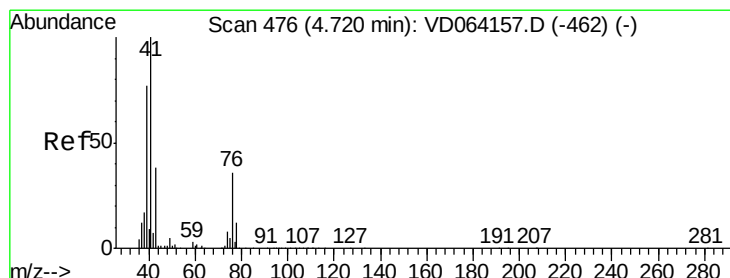
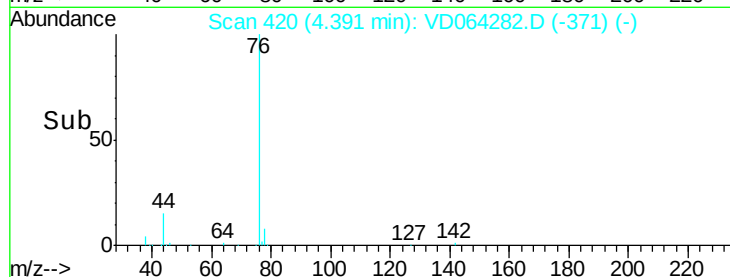
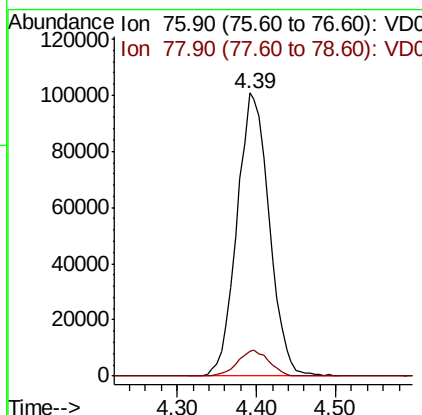
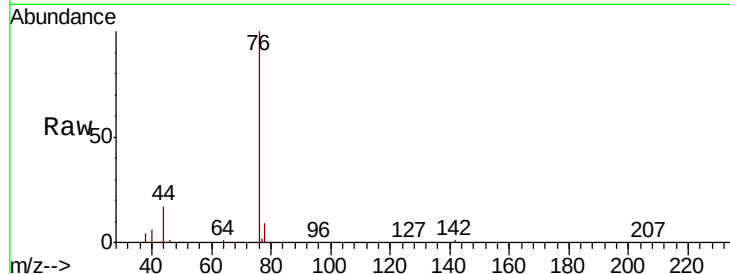
#17
Carbon Disulfide
Concen: 18.240 ug/l
RT: 4.39 min Scan# 420
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.2	10.8

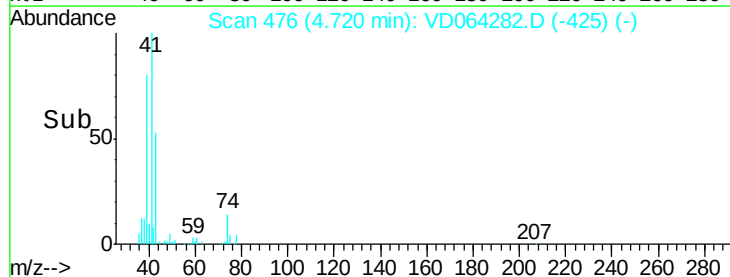
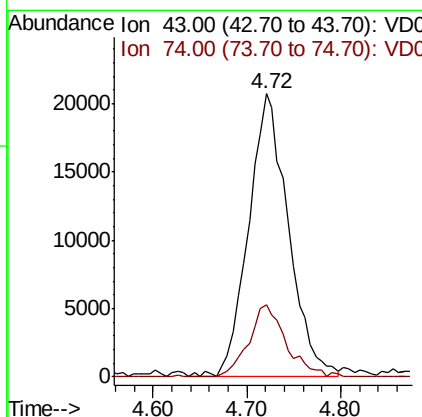
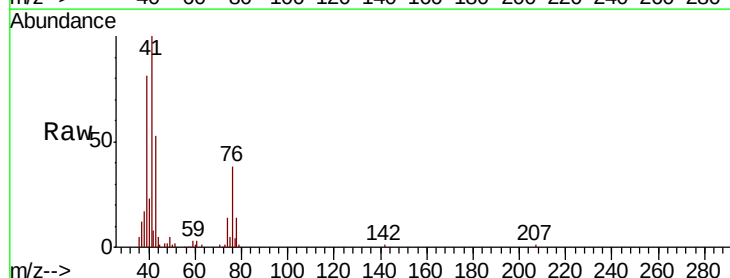
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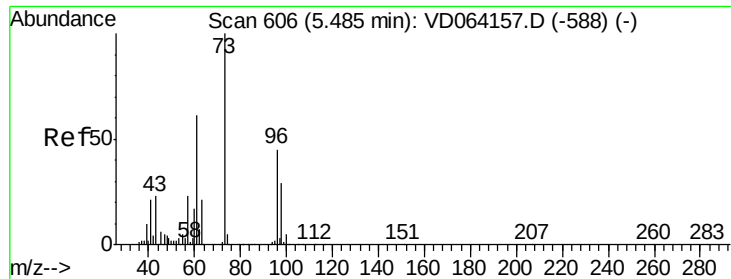
MMDadoda
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#18
Methyl Acetate
Concen: 18.707 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.6	18.4	27.6





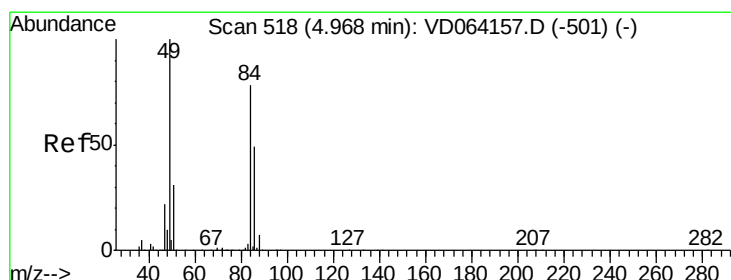
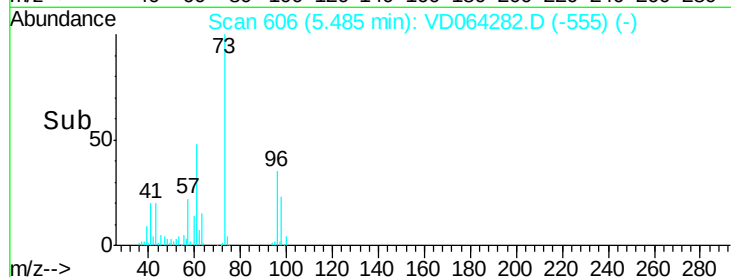
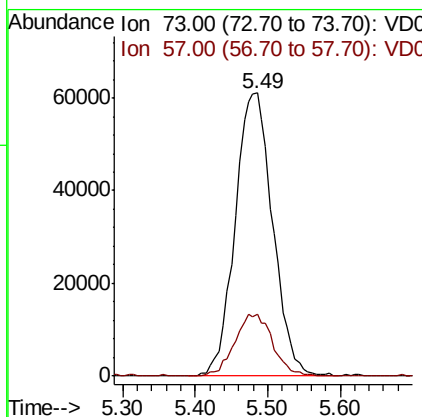
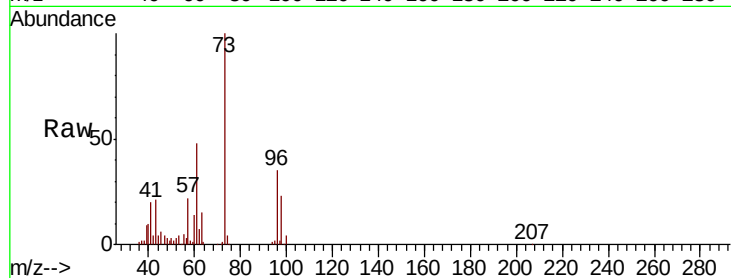
#19
Methyl tert-butyl Ether
Concen: 18.298 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 73 Resp: 219562
Ion Ratio Lower Upper
73 100
57 21.8 18.4 27.6

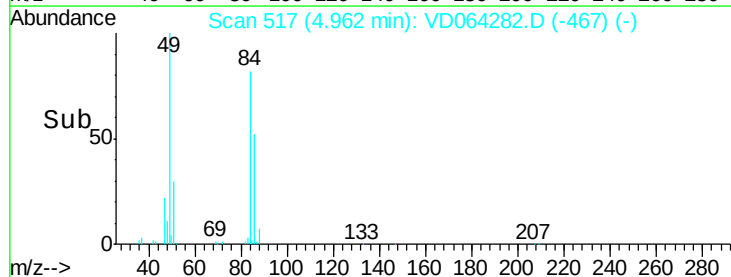
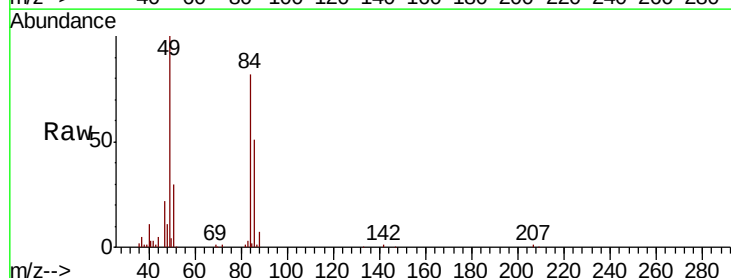
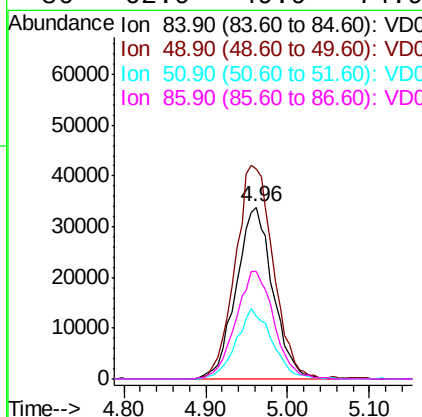
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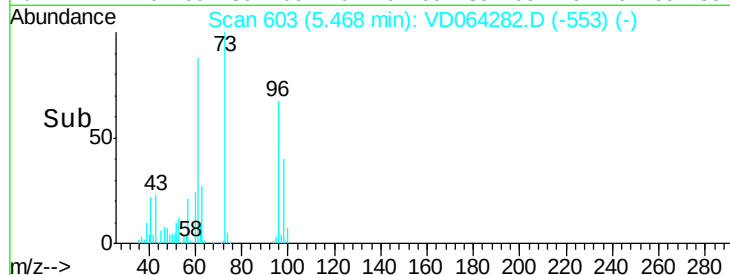
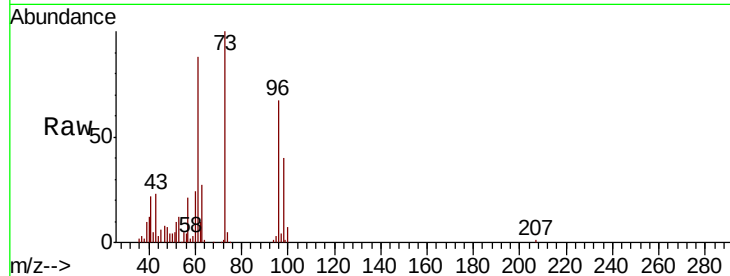
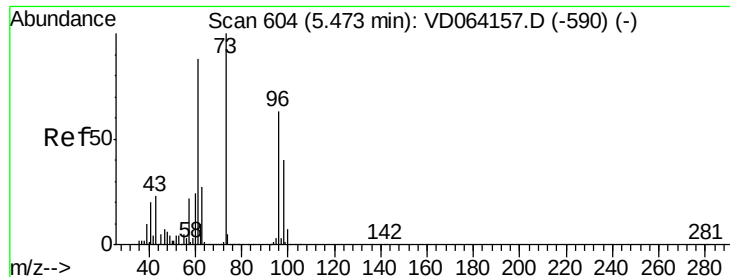
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#20
Methylene Chloride
Concen: 17.937 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 84 Resp: 105598
Ion Ratio Lower Upper
84 100
49 122.6 102.1 153.1
51 36.9 32.2 48.2
86 62.9 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 19.471 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tot Ion:	96	Resp:	110882
Ion	Ratio	Lower	Upper
96	100		
61	132.8	111.8	167.6
98	59.8	50.3	75.5

Instrument :

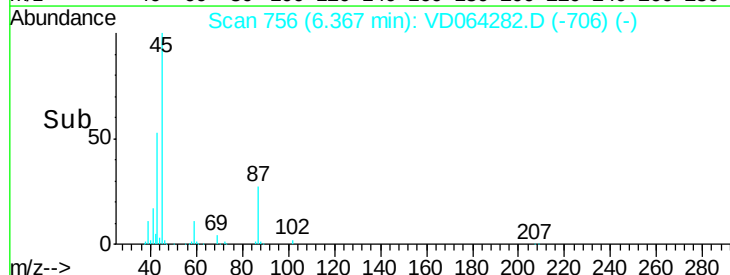
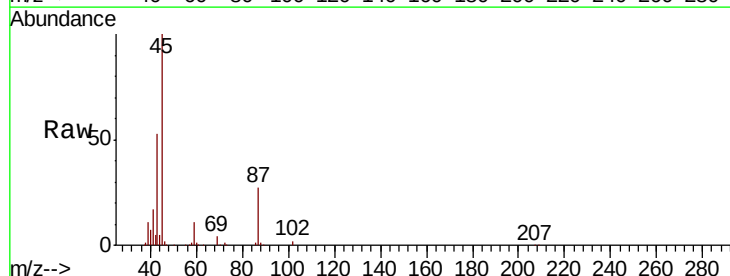
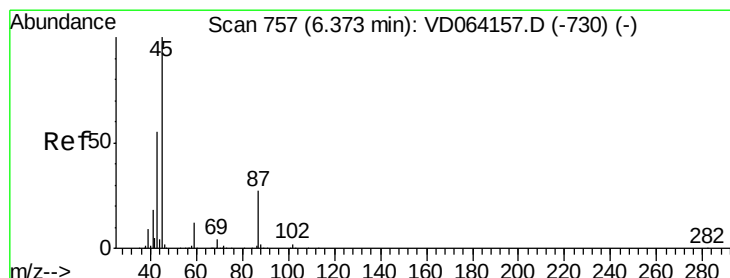
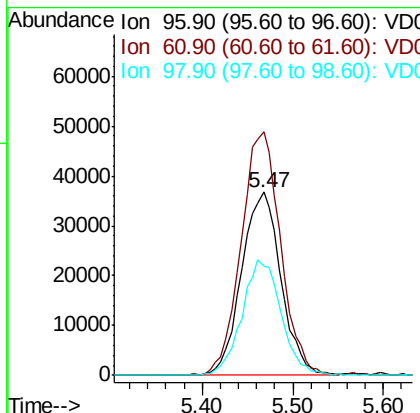
MSVOA_D

ClientSampleId :

VD1119SBS01

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#22

Diisopropyl ether

Concen: 18.211 ug/l

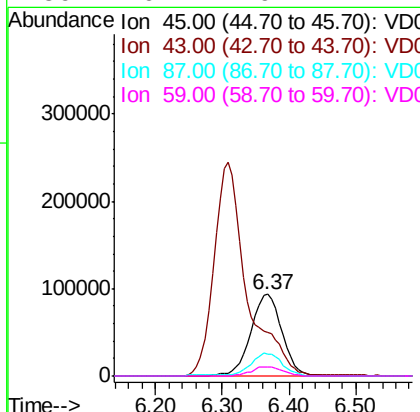
RT: 6.37 min Scan# 756

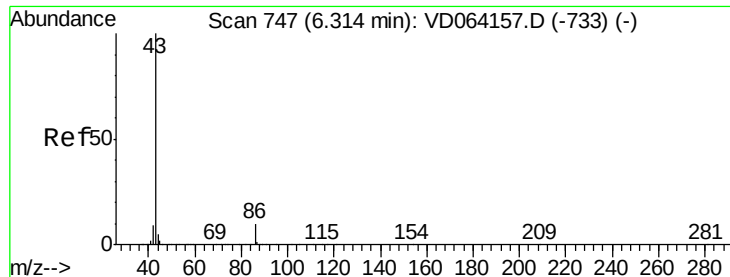
Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion:	45	Resp:	300283
Ion	Ratio	Lower	Upper
45	100		
43	51.6	44.4	66.6
87	27.1	21.9	32.9
59	10.7	9.4	14.2





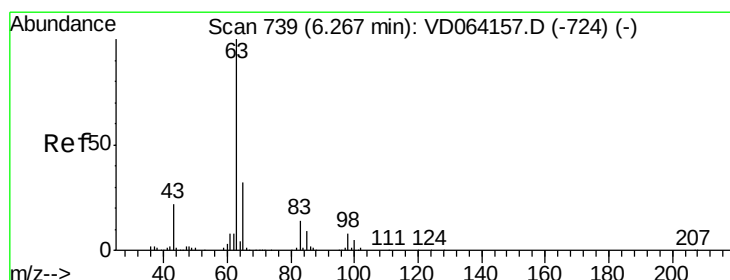
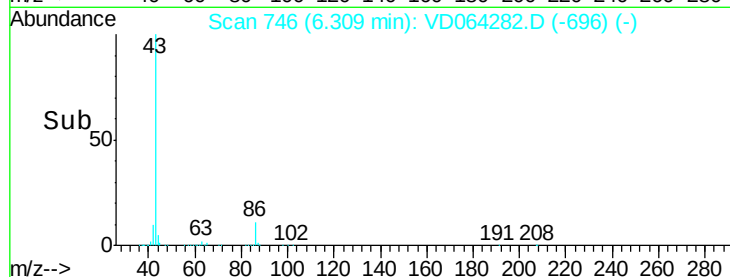
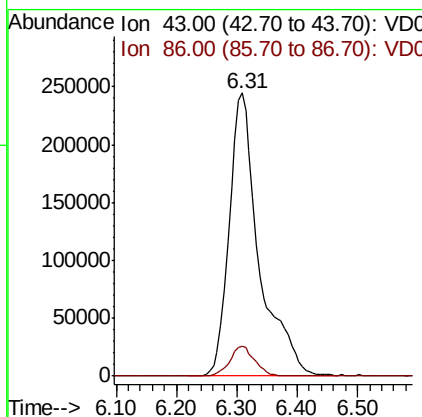
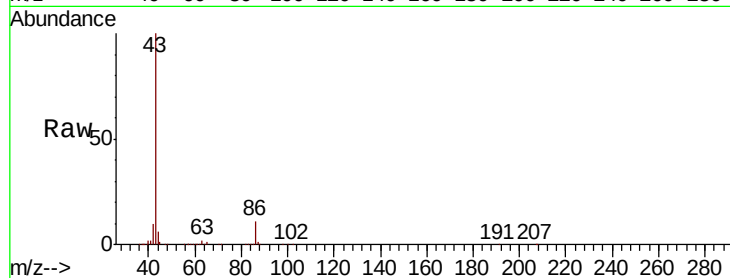
#23
 Vinyl Acetate
 Concen: 91.950 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.7	8.2	12.2

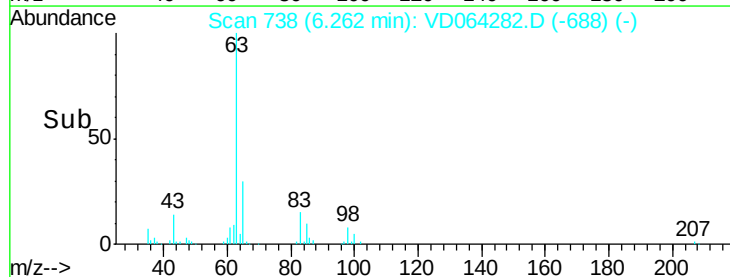
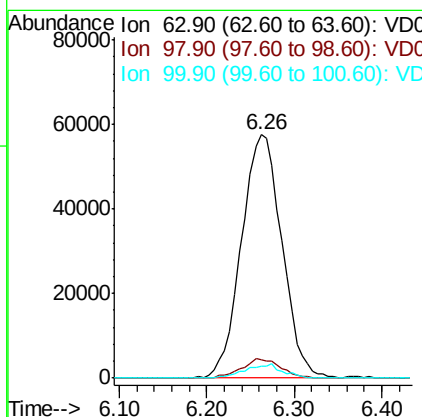
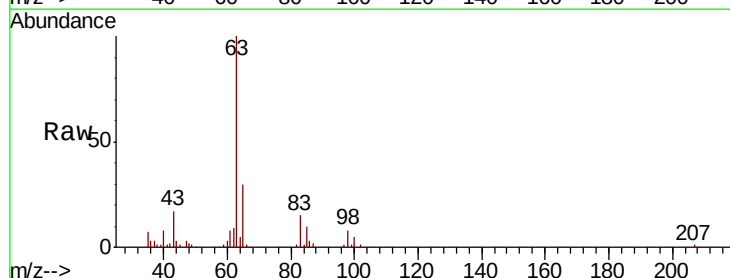
Manual Integrations
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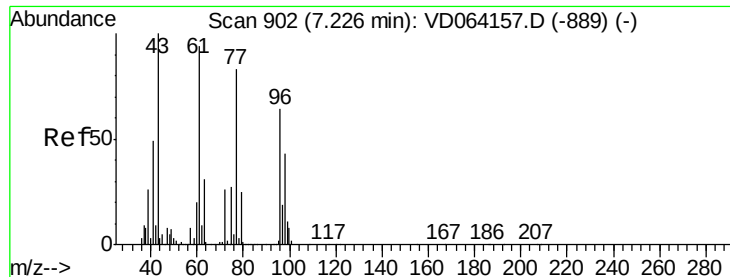
MMDadoda
 11/20/2019 9:56:48 AM



#24
 1,1-Dichloroethane
 Concen: 18.927 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.8	11.4
100	4.9	2.4	7.2





#25

2-Butanone

Concen: 85.406 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 43 Resp: 128595

Ion Ratio Lower Upper

43 100

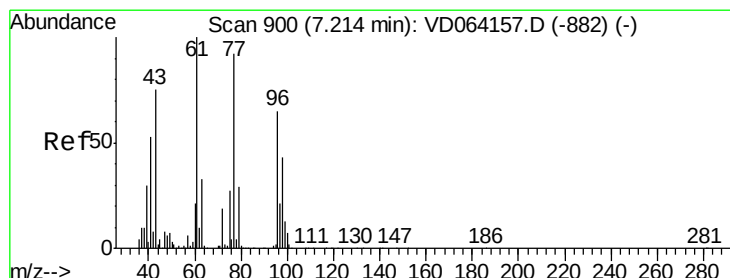
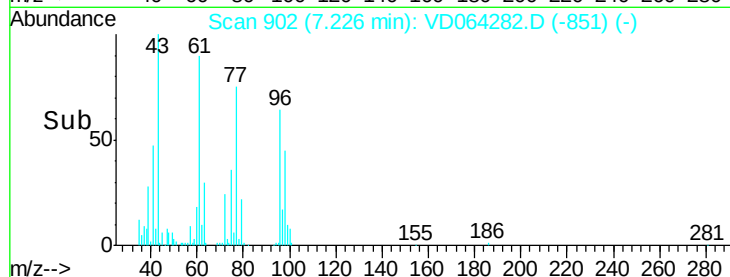
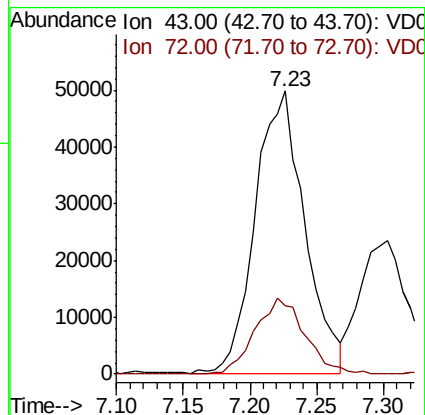
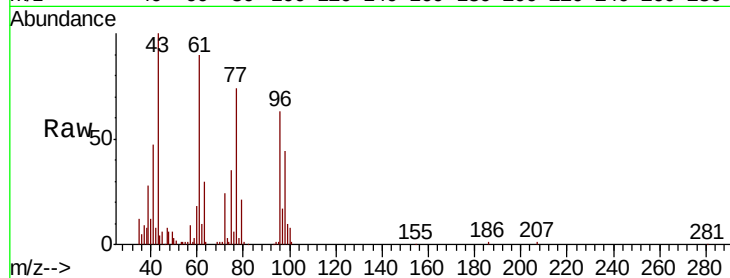
72 24.1 20.6 30.8

Manual Integrations

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MMDadoda

11/20/2019 9:56:48 AM



#26

2,2-Dichloropropane

Concen: 18.668 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064282.D

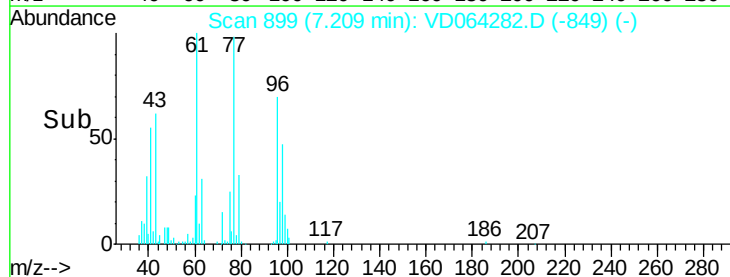
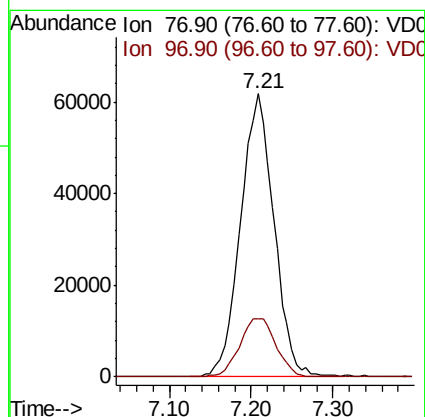
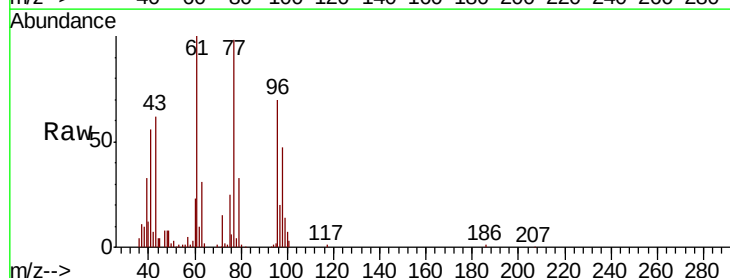
Acq: 19 Nov 2019 11:35

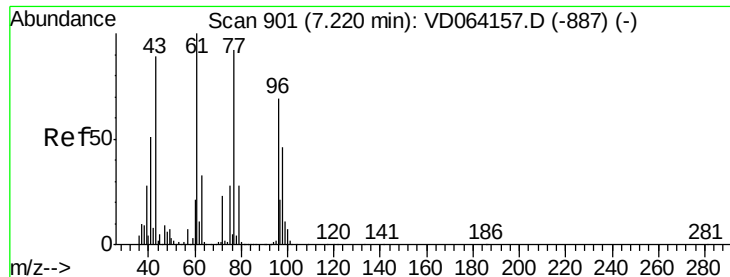
Tgt Ion: 77 Resp: 175270

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3





#27

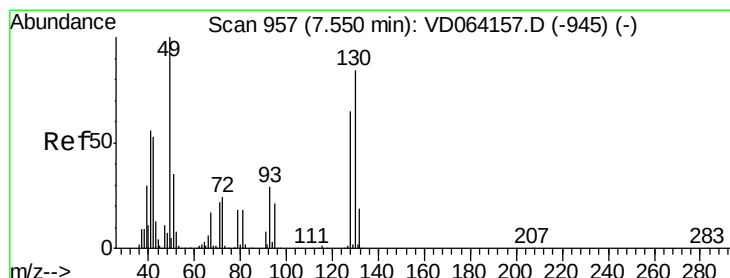
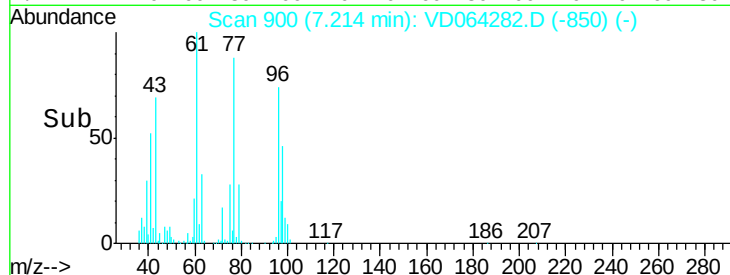
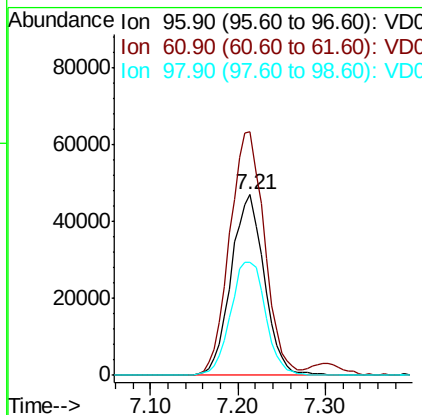
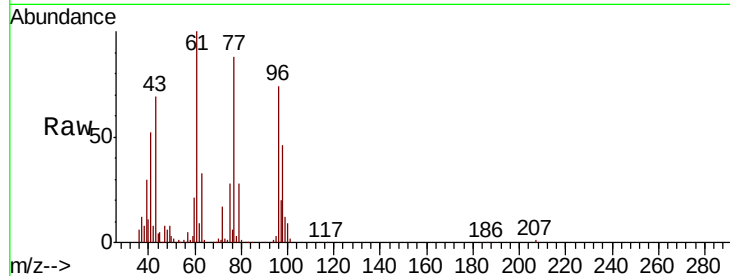
cis-1,2-Dichloroethene
 Concen: 19.824 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.5	0.0	301.4
98	65.9	0.0	133.2

Manual Integrations
 APPROVED

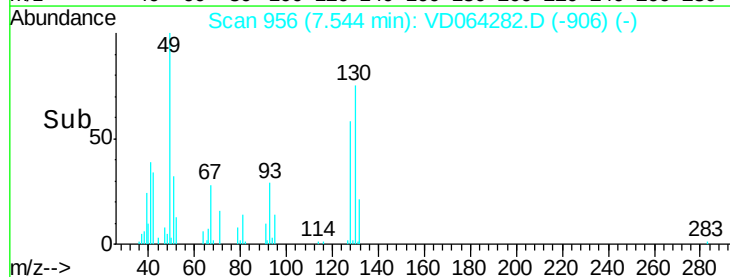
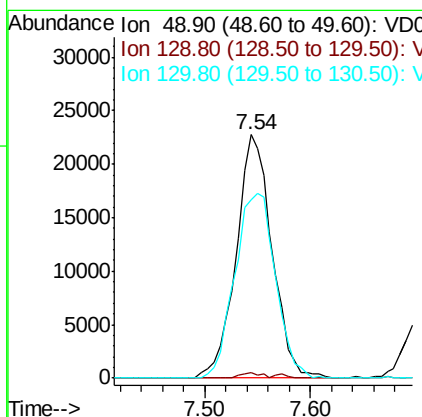
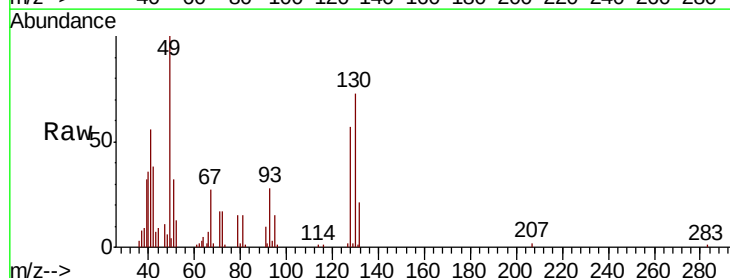
MMDadoda
 11/20/2019 9:56:48 AM

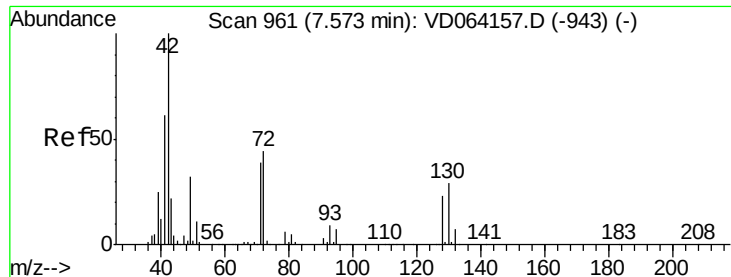


#28

Bromochloromethane
 Concen: 15.998 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.3	0.0	4.4
130	86.4	66.8	100.2





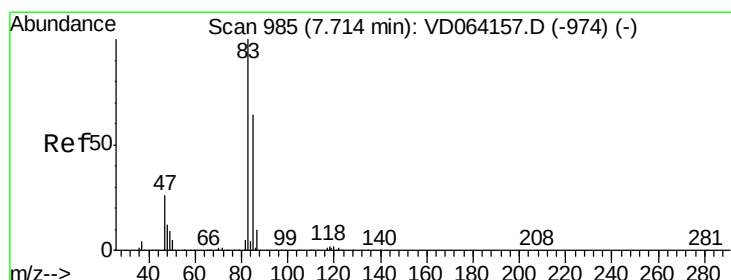
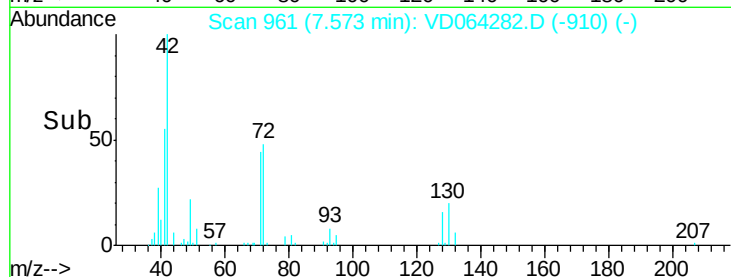
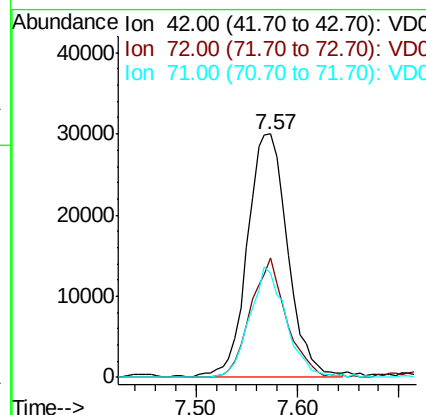
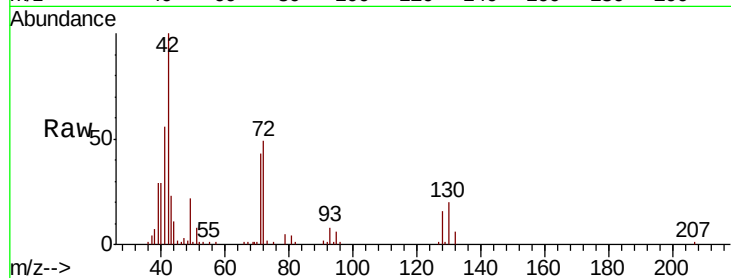
#29
Tetrahydrofuran
Concen: 91.873 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ion	Ratio	Lower	Upper
42	42	100		
72	72	43.5	33.4	50.2
71	71	41.0	31.0	46.4

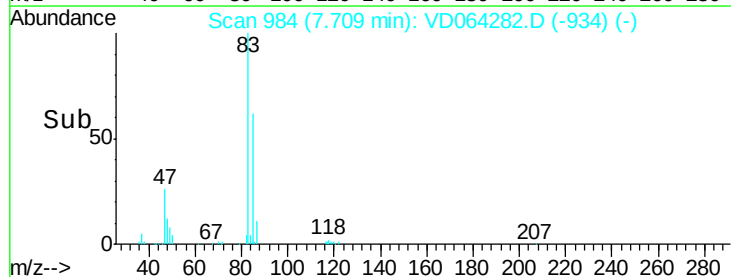
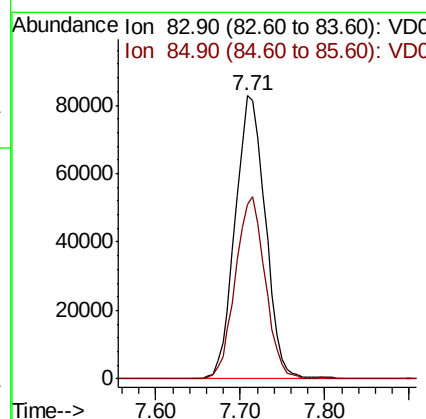
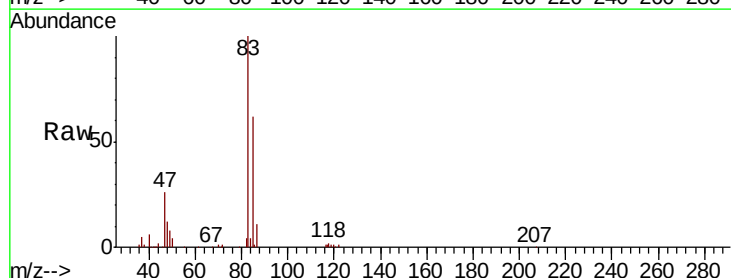
Manual Integrations
APPROVED

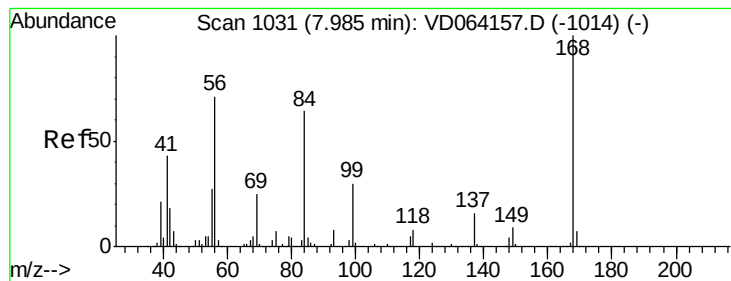
MMDadoda
11/20/2019 9:56:48 AM



#30
Chloroform
Concen: 20.876 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ion	Ratio	Lower	Upper
83	83	100		
85	85	61.7	51.4	77.0





#31

Cyclohexane

Concen: 18.443 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 56 Resp: 178074

Ion Ratio Lower Upper

56 100

69 37.1 28.2 42.4

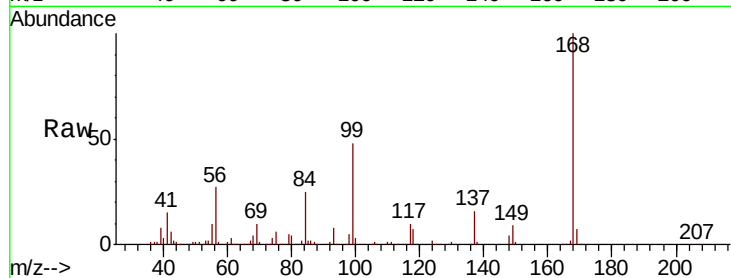
84 90.8 71.8 107.6

Manual Integrations

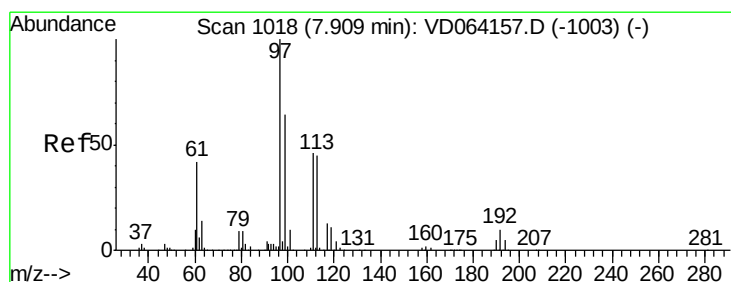
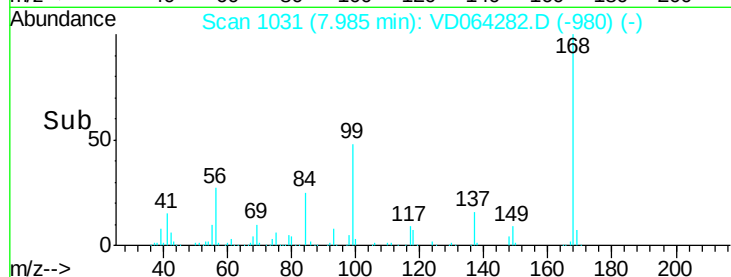
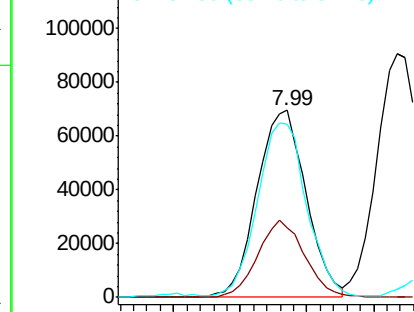
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 19.514 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

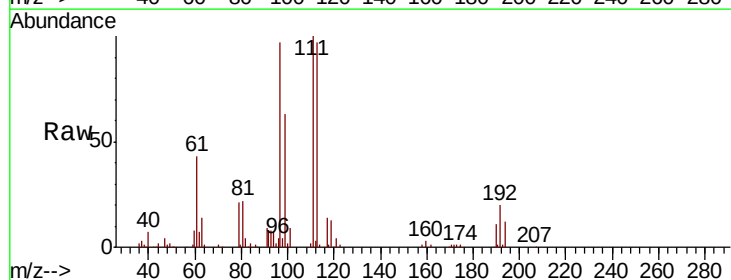
Tgt Ion: 97 Resp: 182985

Ion Ratio Lower Upper

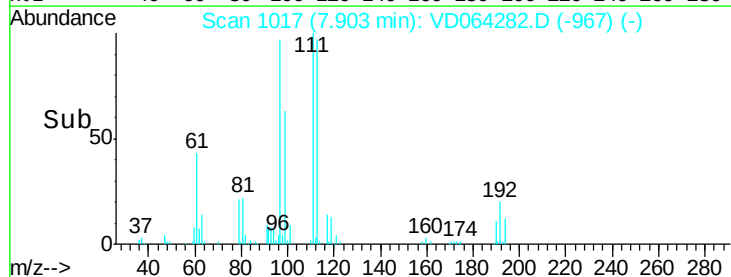
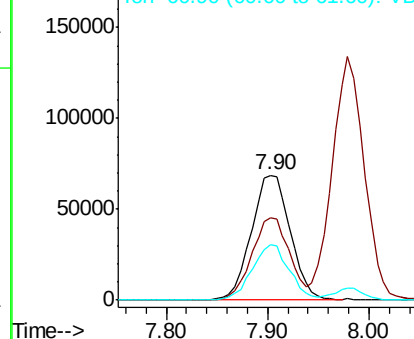
97 100

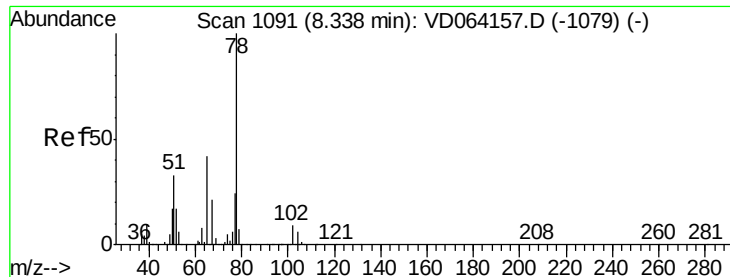
99 63.8 51.6 77.4

61 42.4 34.2 51.2



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





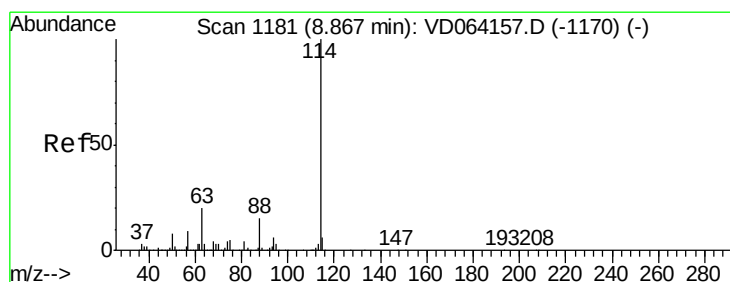
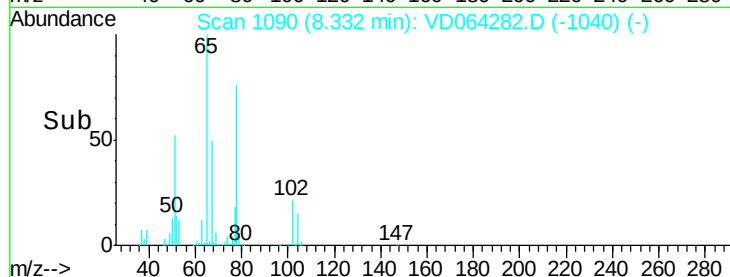
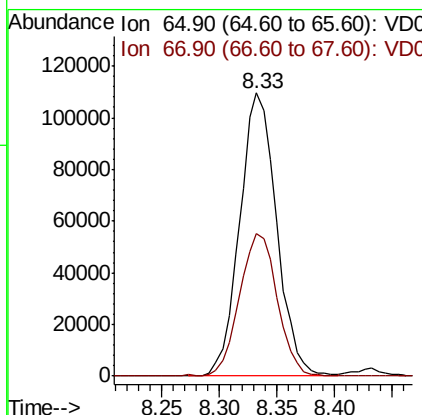
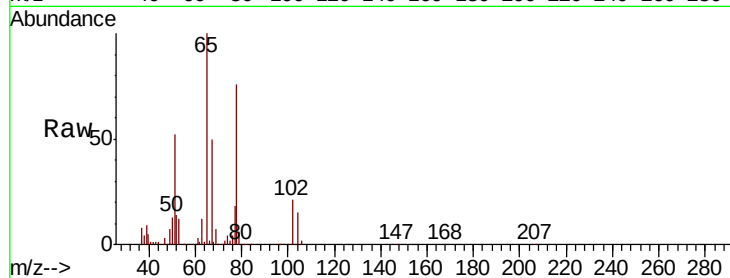
#33
 1,2-Dichloroethane-d4
 Concen: 49.576 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.4

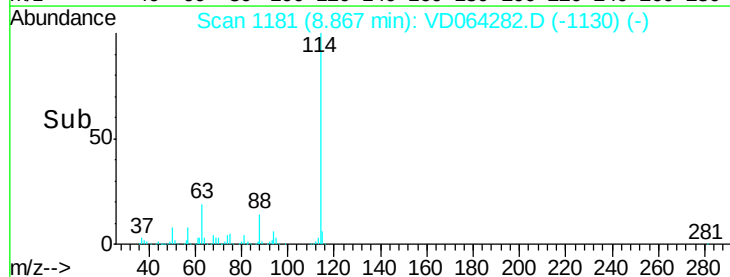
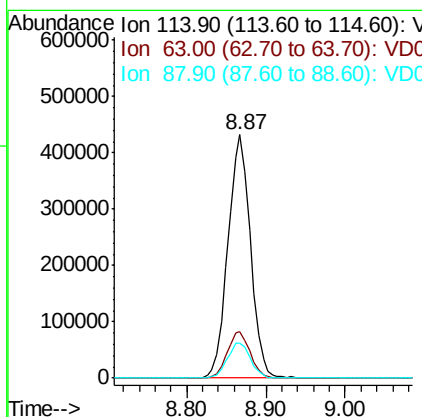
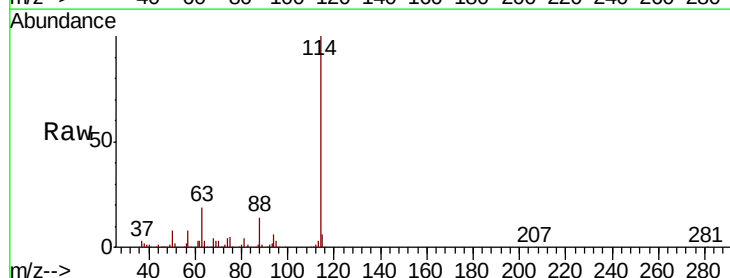
Manual Integrations
 APPROVED

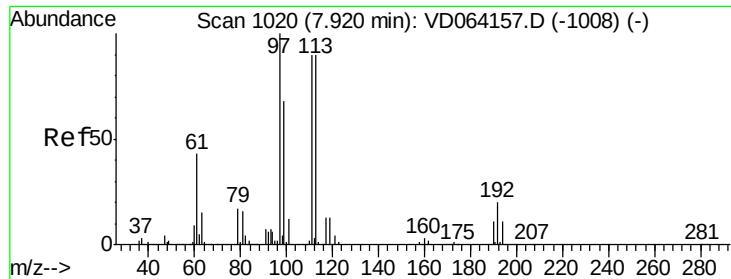
MMDadoda
 11/20/2019 9:56:48 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	40.0
88	14.2	0.0	30.2





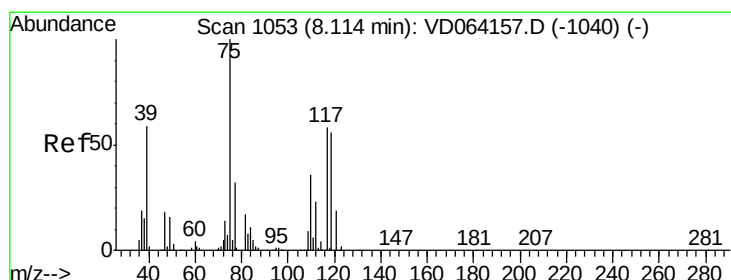
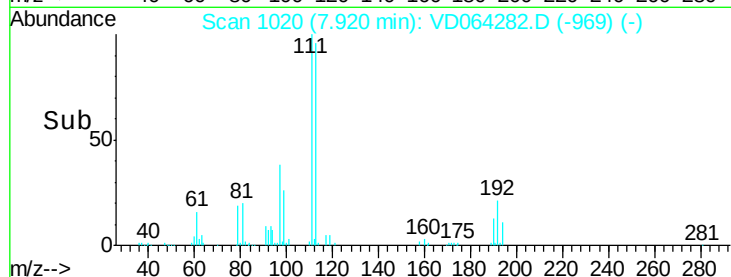
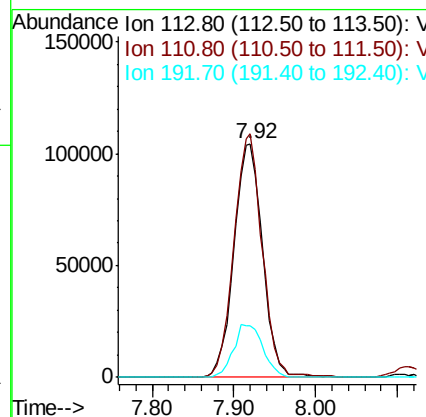
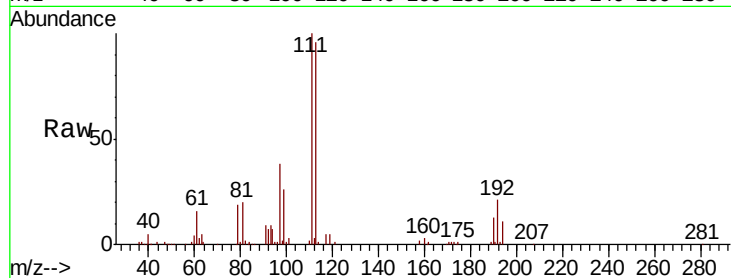
#35
 Dibromofluoromethane
 Concen: 52.097 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	253498		
111	102.8	81.5	122.3	
192	23.3	18.8	28.2	

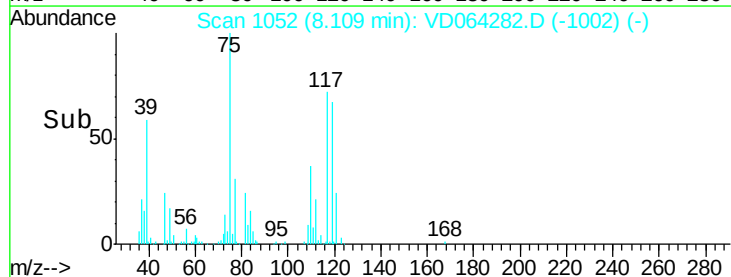
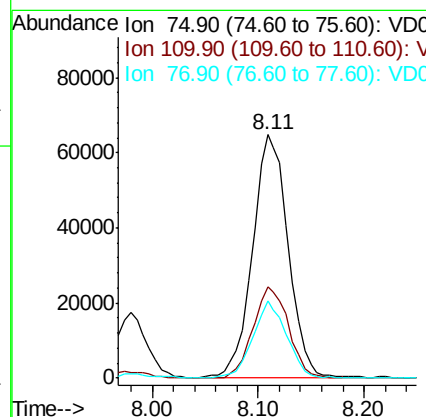
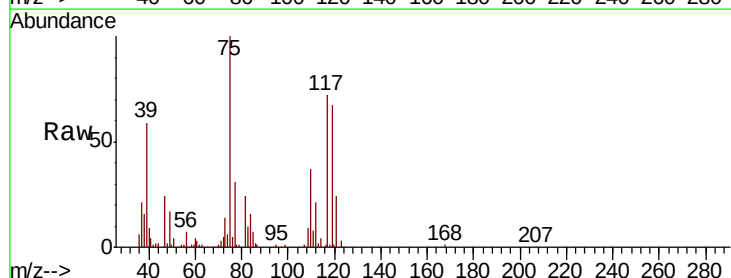
Manual Integrations
 APPROVED

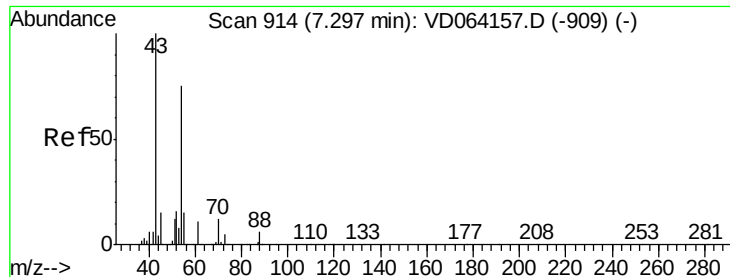
MMDadoda
 11/20/2019 9:56:48 AM



#36
 1,1-Dichloropropene
 Concen: 19.218 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150349		
110	37.7	18.3	54.9	
77	30.3	25.0	37.6	





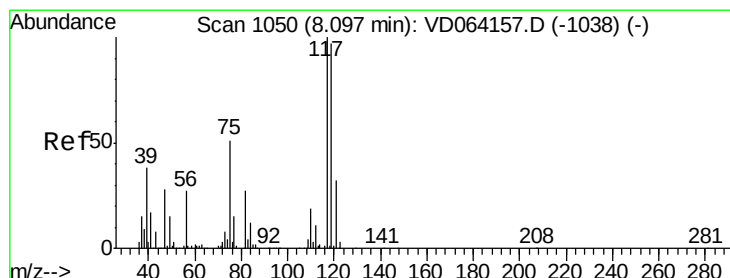
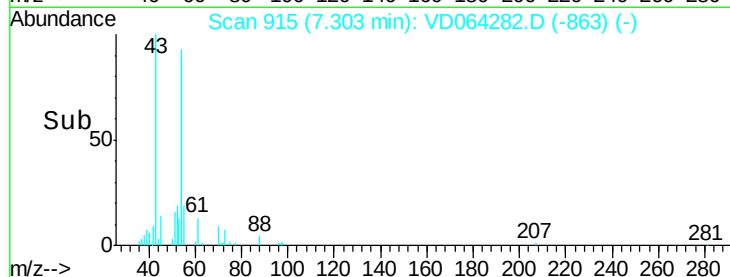
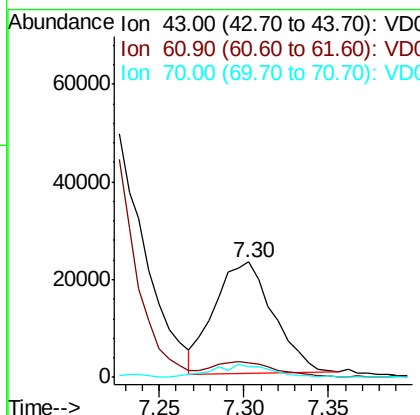
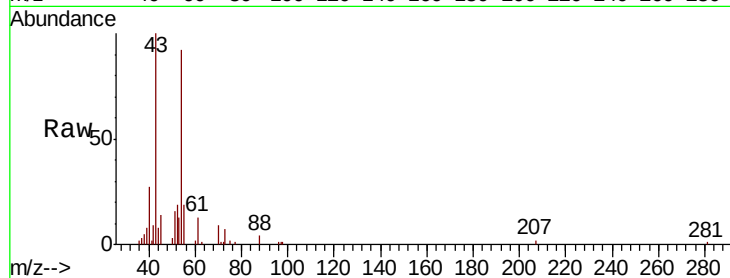
#37
Ethyl Acetate
Concen: 16.693 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	10.2	15.2
70	11.6	8.5	12.7

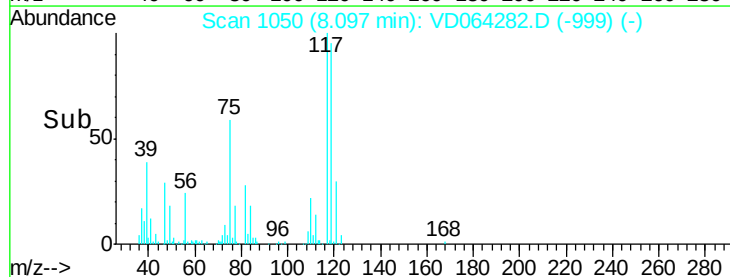
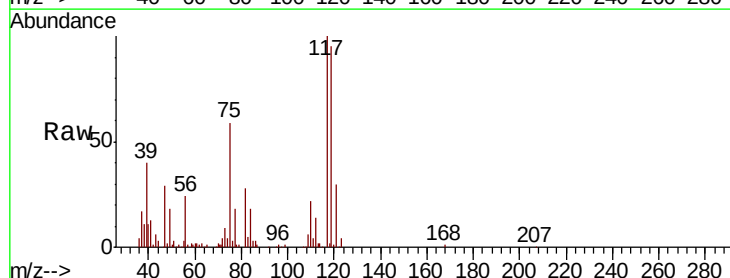
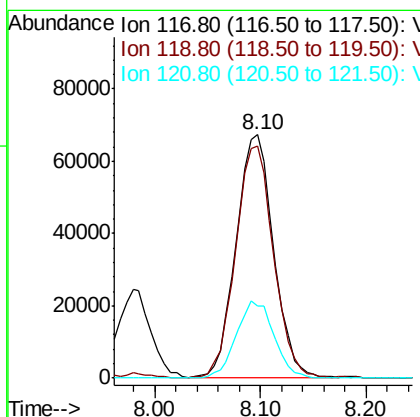
Manual Integrations
APPROVED

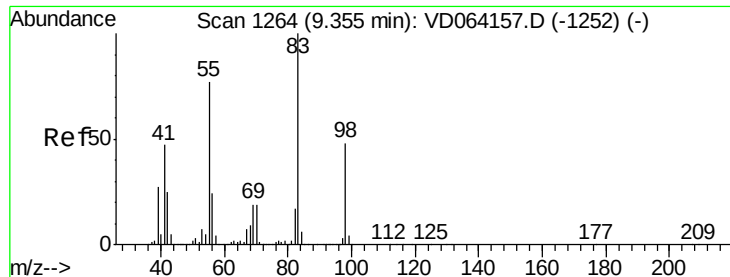
MMDadoda
11/20/2019 9:56:48 AM



#38
Carbon Tetrachloride
Concen: 19.656 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.2	115.8
121	29.7	25.5	38.3





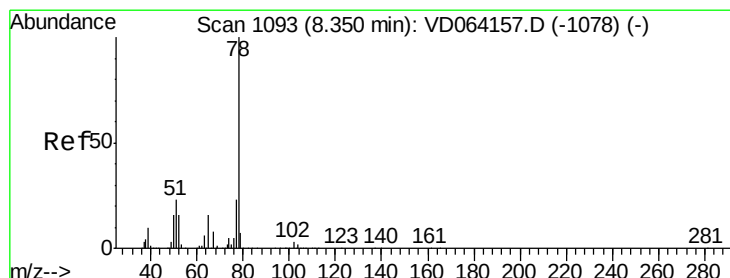
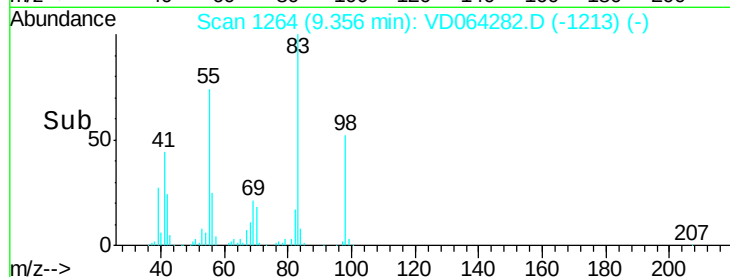
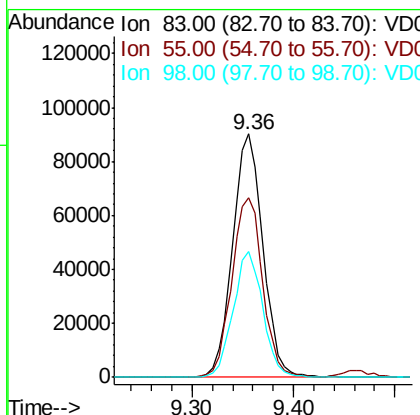
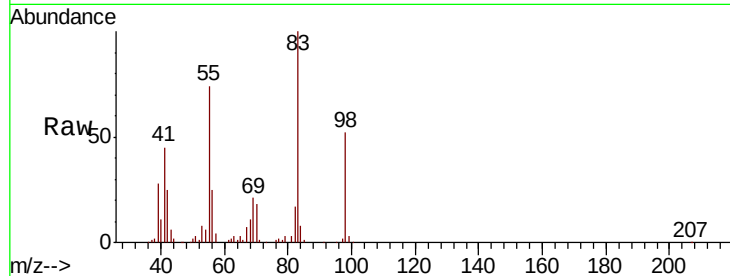
#39
Methylvlcyclohexane
Concen: 18.857 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	61.7	92.5
98	51.9	38.6	58.0

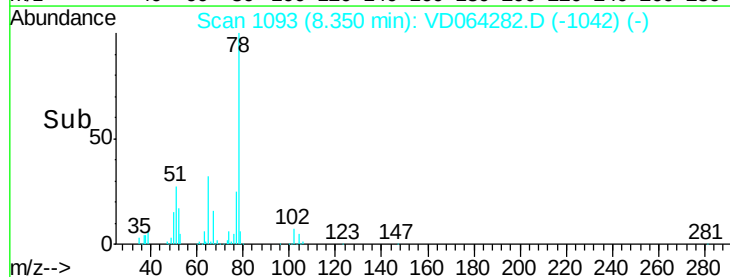
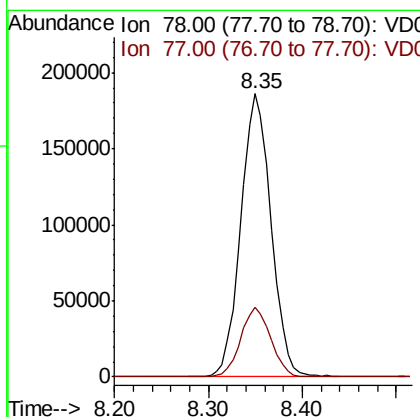
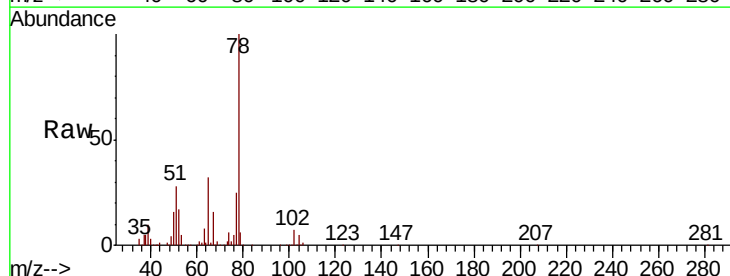
Manual Integrations
APPROVED

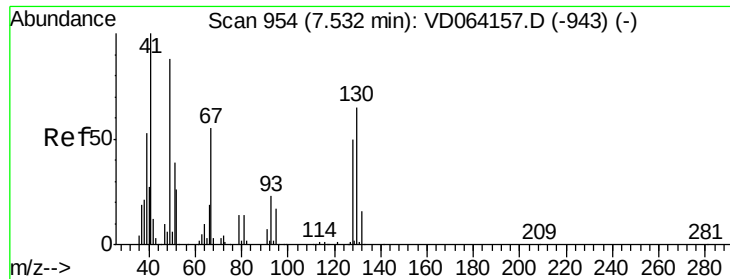
MMDadoda
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#40
Benzene
Concen: 19.405 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.6	28.0





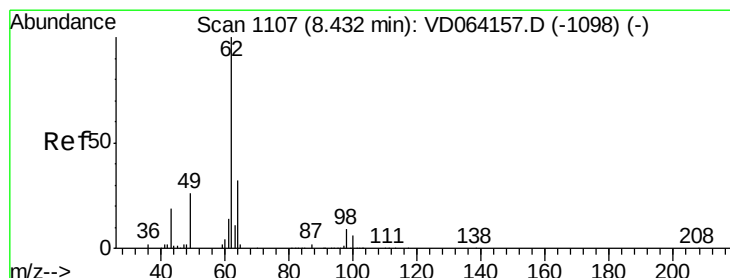
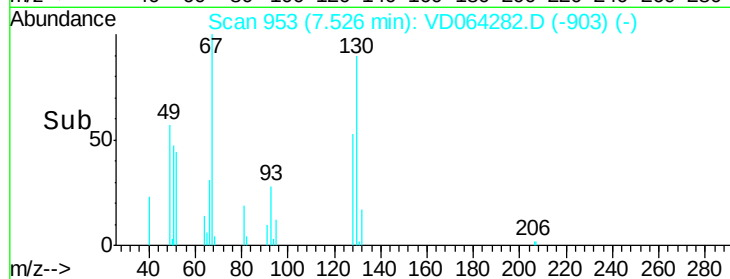
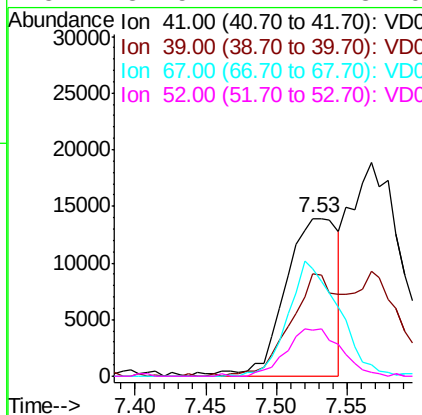
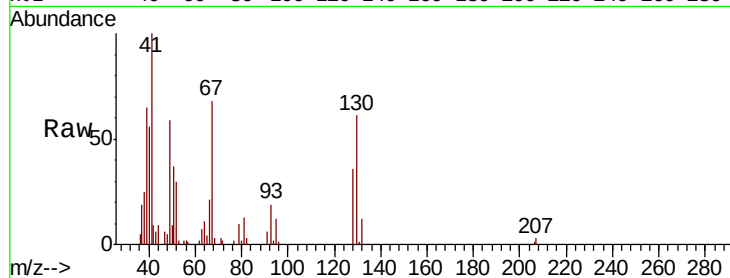
#41
Methacrylonitrile
Concen: 17.396 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		36062		
39	62.9	49.4	74.2		
67	70.5	49.6	74.4		
52	31.5	21.4	32.0		

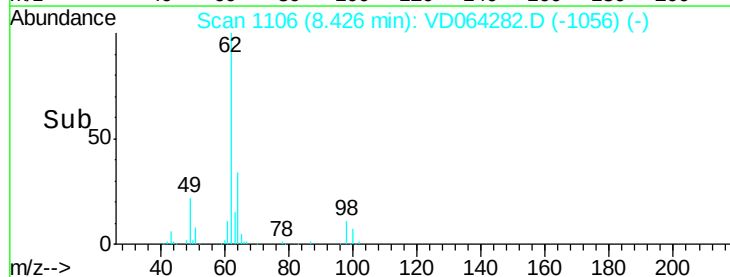
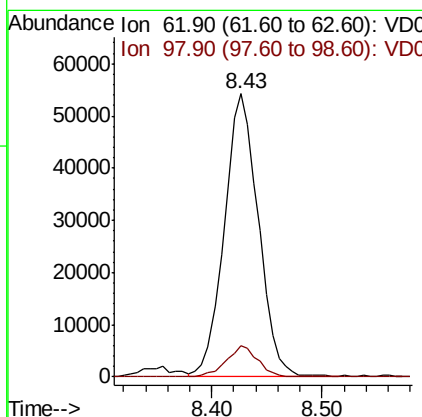
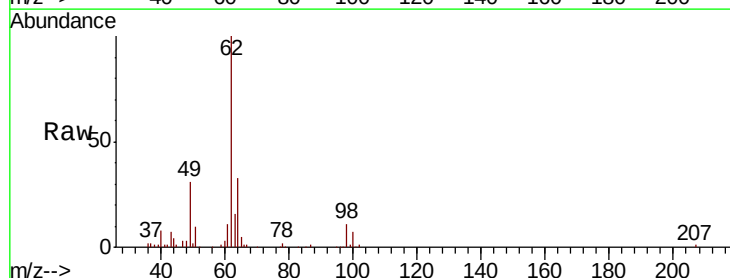
Manual Integrations
APPROVED

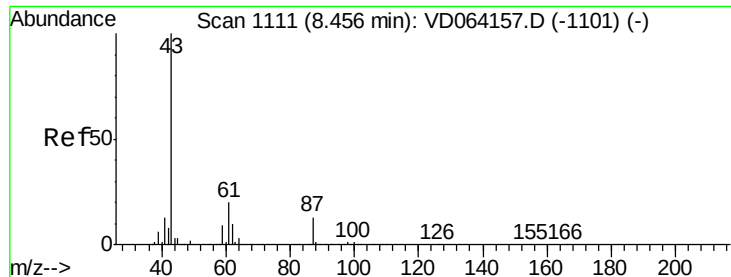
MMDadoda
11/20/2019 9:56:48 AM



#42
1,2-Dichloroethane
Concen: 18.062 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		115988		
98	10.3	0.0	19.0		





#43

Isopropyl Acetate

Concen: 17.761 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

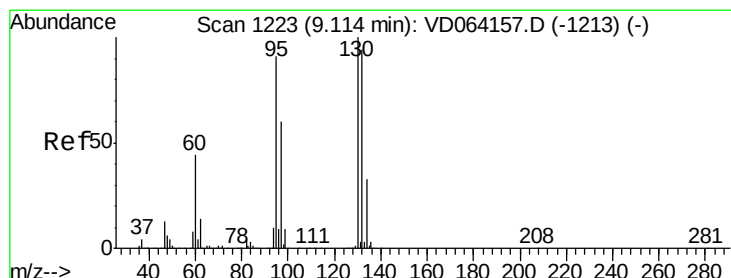
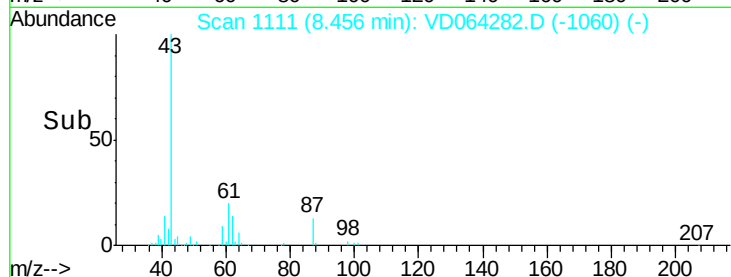
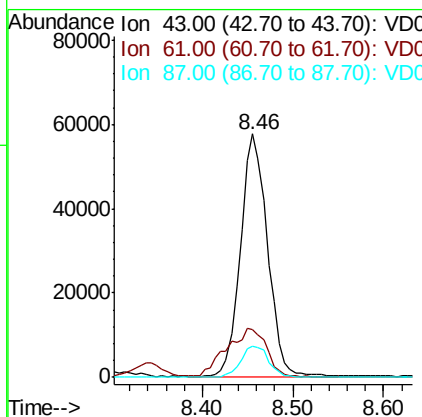
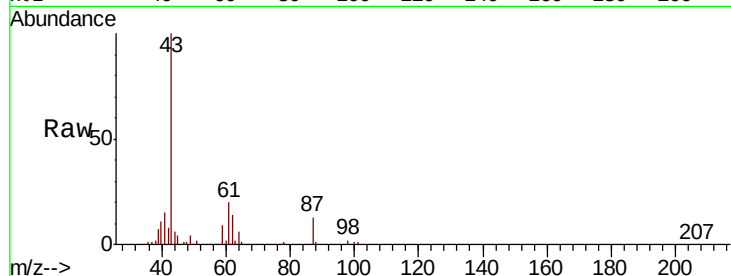
ClientSampleId :

VD1119SBS01

Tot Ion:	43	Resp:	120697
Ion Ratio		Lower	Upper
43	100		
61	29.8	22.9	34.3
87	13.0	10.2	15.2

Manual Integrations
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#44

Trichloroethene

Concen: 19.701 ug/l

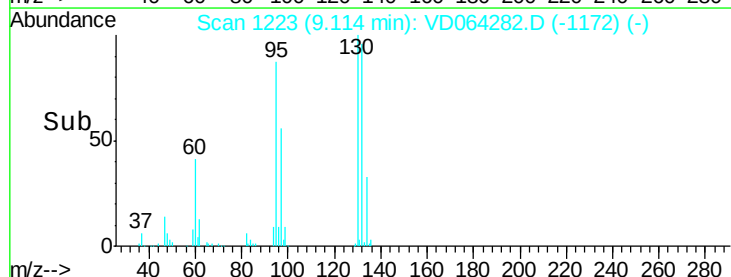
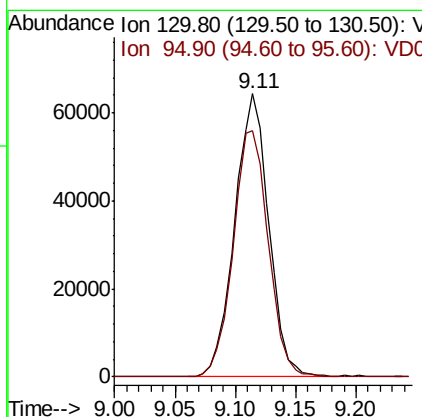
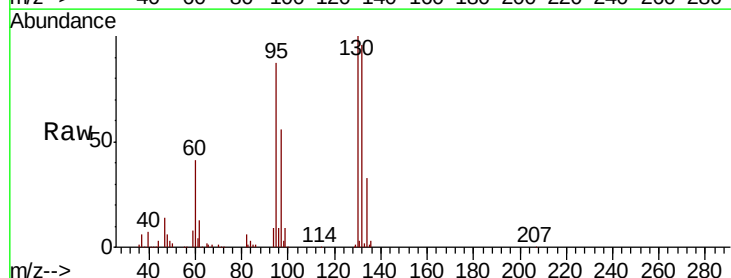
RT: 9.11 min Scan# 1223

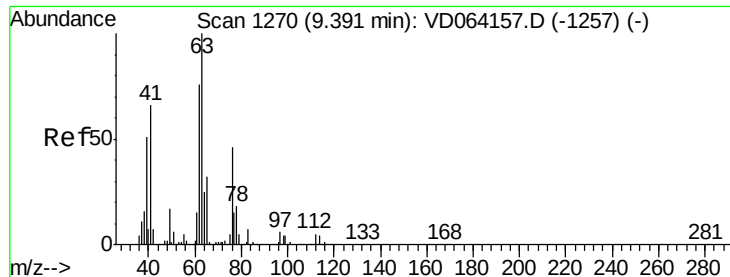
Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion:	130	Resp:	126424
Ion Ratio		Lower	Upper
130	100		
95	87.1	0.0	181.6





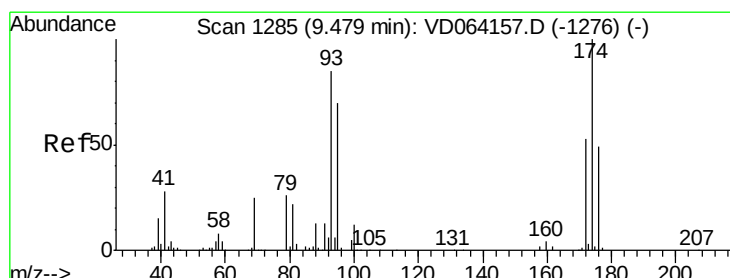
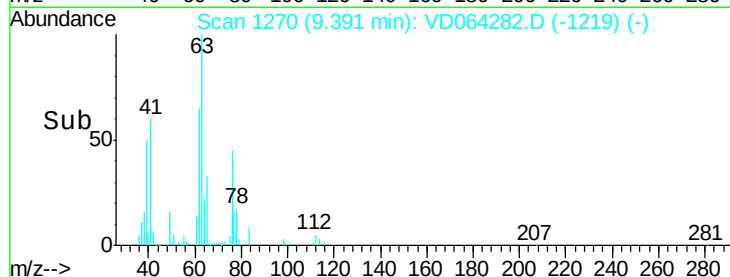
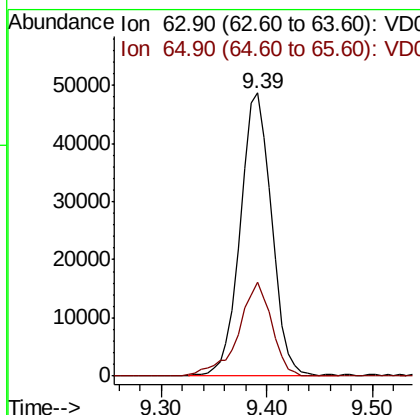
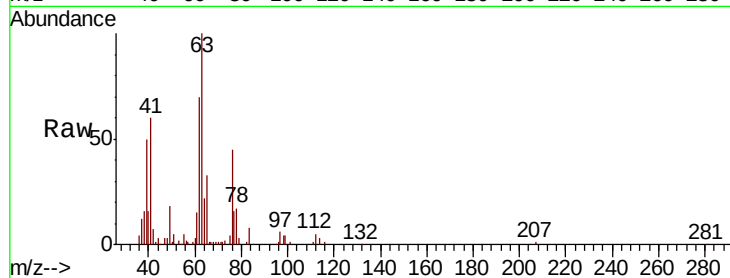
#45
 1,2-Dichloropropane
 Concen: 19.344 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	63	Resp	100668
Ion Ratio	63	100	
Lower	65	33.4	25.7
Upper			38.5

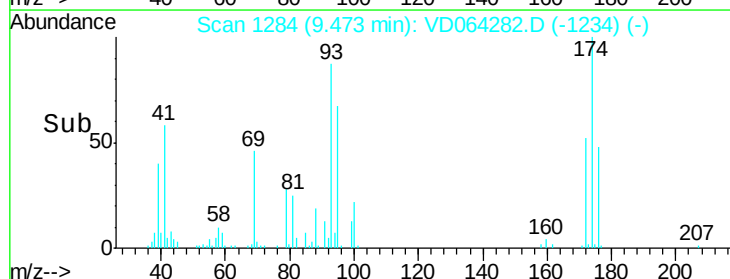
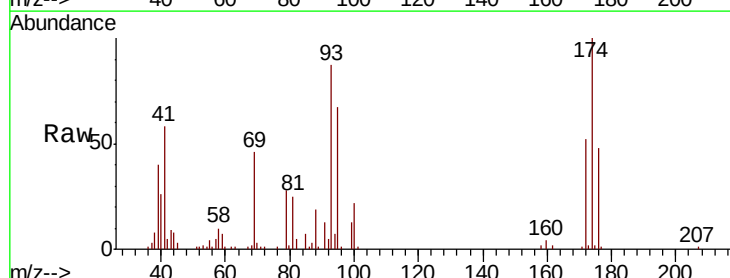
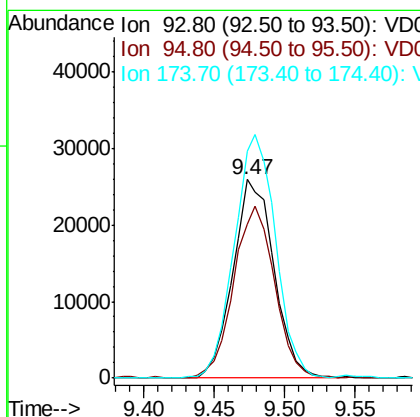
Manual Integrations
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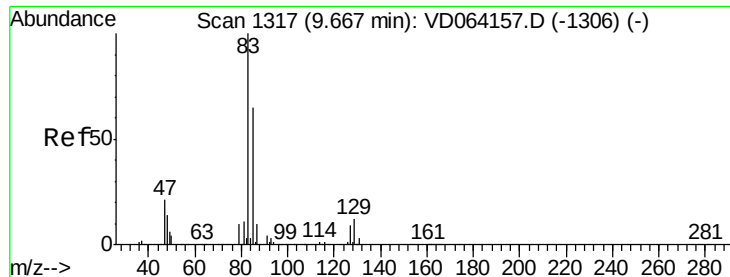
MMDadoda
 11/20/2019 9:56:48 AM



#46
 Dibromomethane
 Concen: 18.929 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	93	Resp	52738
Ion Ratio	93	100	
Lower	95	86.5	65.5
Upper	174	123.4	93.9





#47

Bromodichloromethane

Concen: 19.371 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

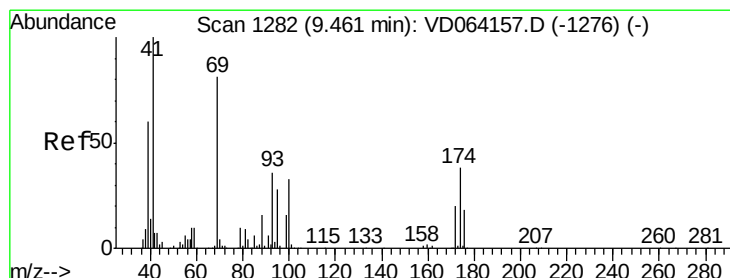
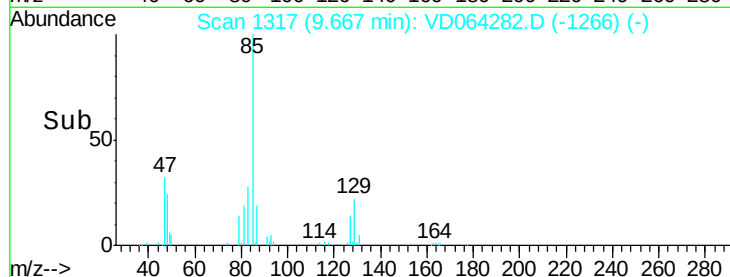
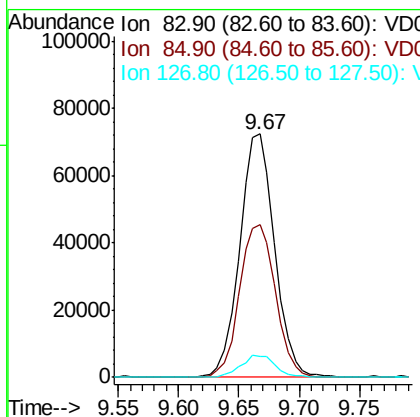
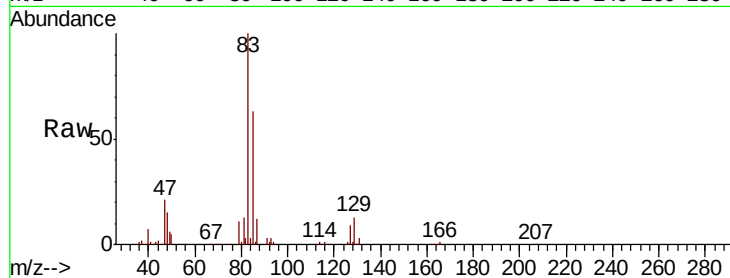
ClientSampleId :

VD1119SBS01

Tot Ion:	83	Resp:	145373
Ion	Ratio	Lower	Upper
83	100		
85	62.7	52.2	78.4
127	8.6	7.5	11.3

Manual Integrations
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#48

Methyl methacrylate

Concen: 16.676 ug/l

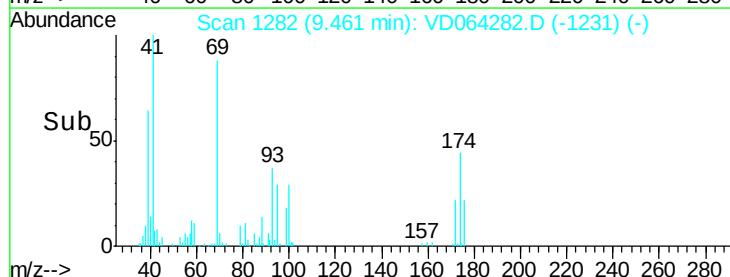
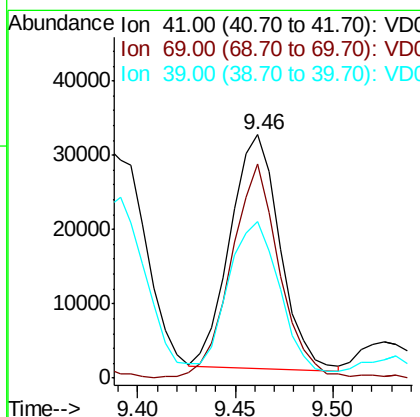
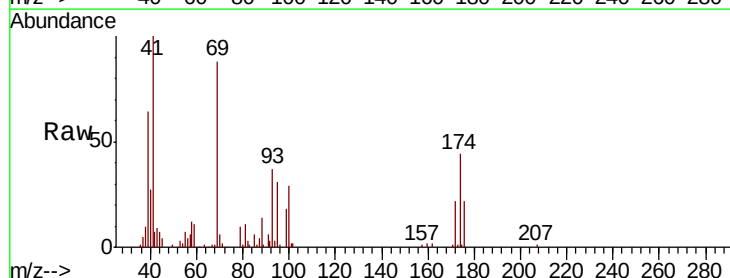
RT: 9.46 min Scan# 1282

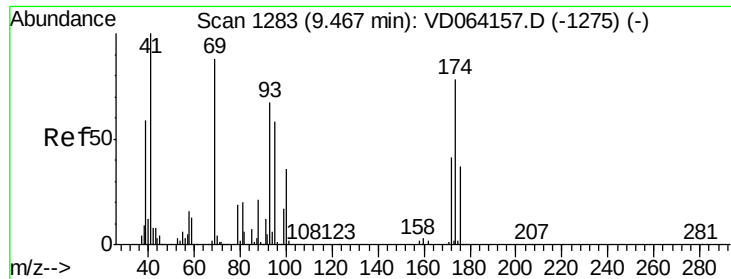
Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion:	41	Resp:	55412
Ion	Ratio	Lower	Upper
41	100		
69	89.4	64.6	97.0
39	65.0	48.2	72.2





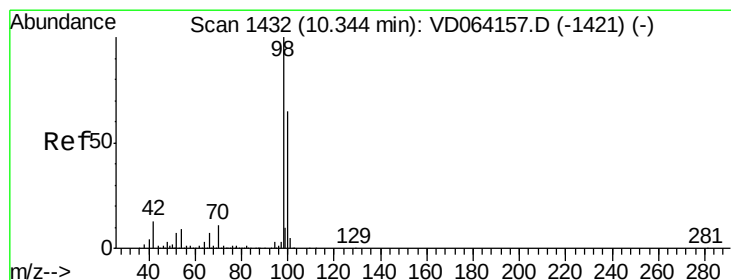
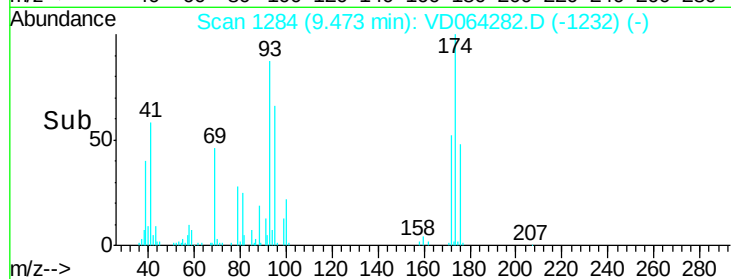
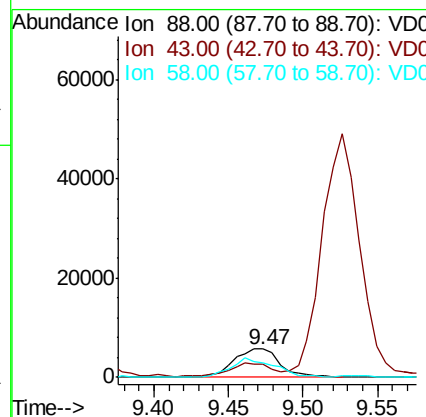
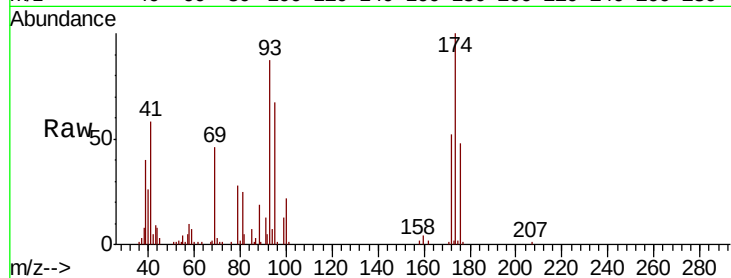
#49
1,4-Dioxane
Concen: 365.828 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	41.1	29.8	44.8
58	66.3	58.1	87.1

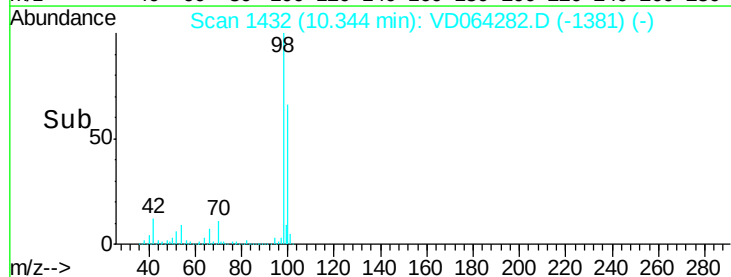
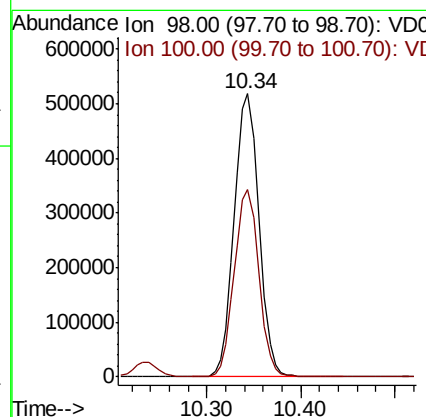
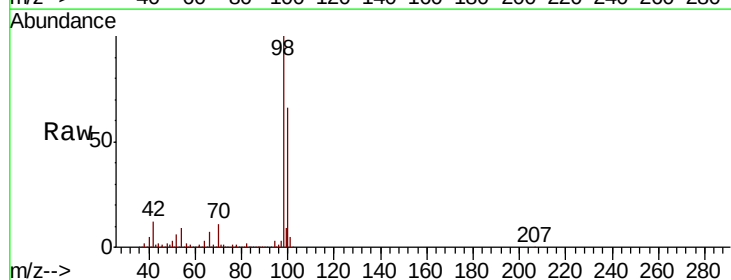
Manual Integrations
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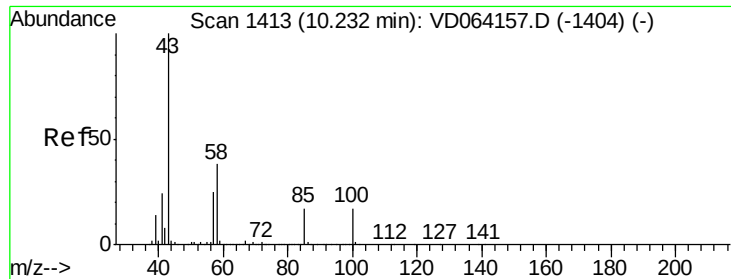
MMDadoda
11/20/2019 9:56:48 AM



#50
Toluene-d8
Concen: 51.957 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.6	78.8





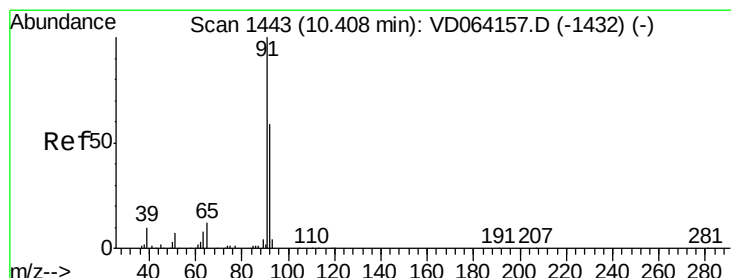
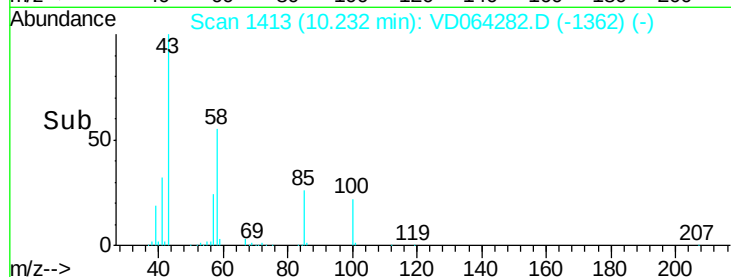
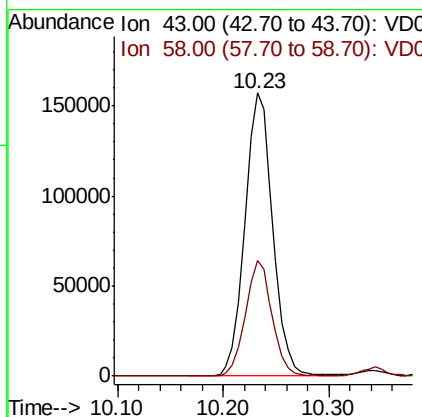
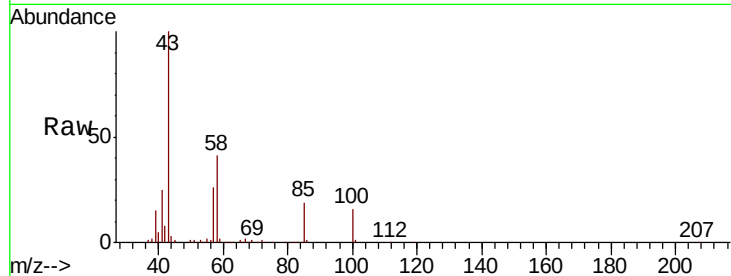
#51
4-Methyl-2-Pentanone
Concen: 88.390 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 43 Resp: 288042
Ion Ratio Lower Upper
43 100
58 39.0 30.2 45.4

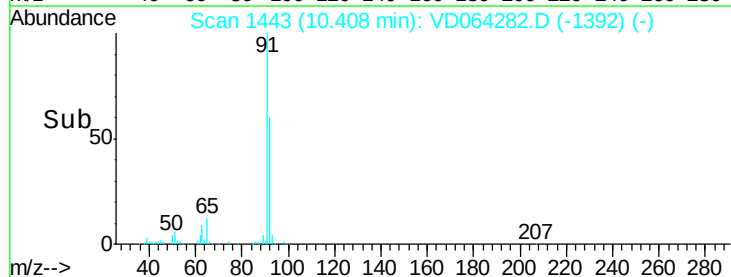
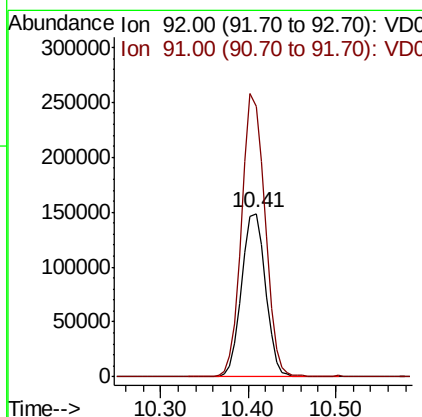
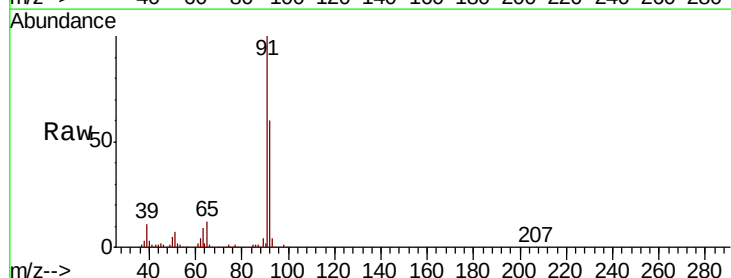
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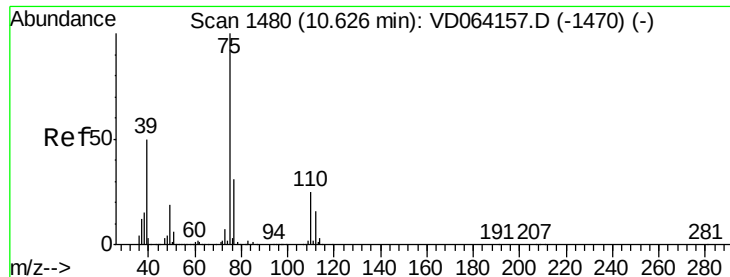
MMDadoda
11/20/2019 9:56:48 AM



#52
Toluene
Concen: 19.514 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 92 Resp: 274360
Ion Ratio Lower Upper
92 100
91 169.2 136.4 204.6





#53

t-1,3-Dichloropropene

Concen: 18.286 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 75 Resp: 137487

Ion Ratio Lower Upper

75 100

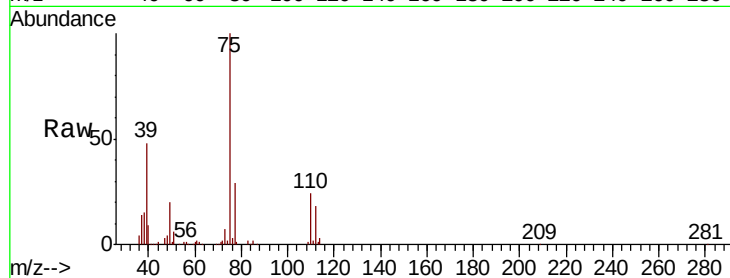
77 28.7 24.7 37.1

Manual Integrations

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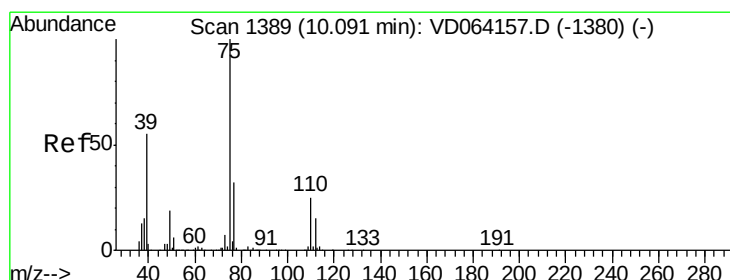
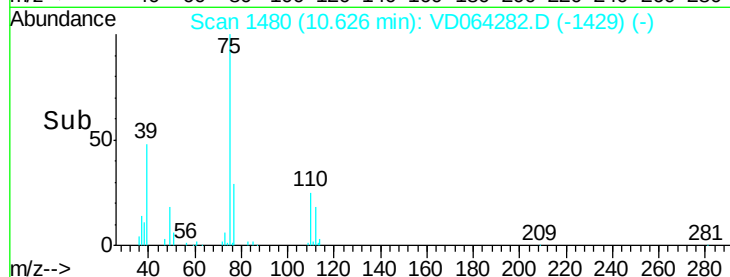
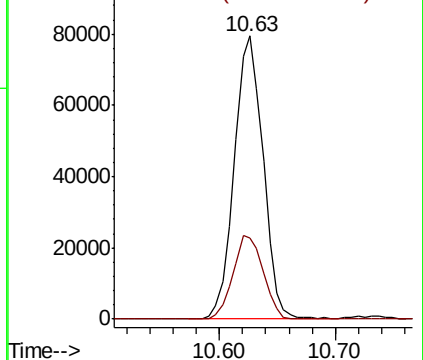
MMDadoda

11/20/2019 9:56:48 AM



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC



#54

cis-1,3-Dichloropropene

Concen: 18.773 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

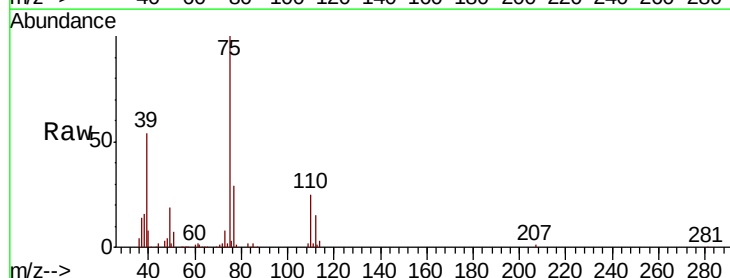
Tgt Ion: 75 Resp: 164702

Ion Ratio Lower Upper

75 100

77 29.3 25.2 37.8

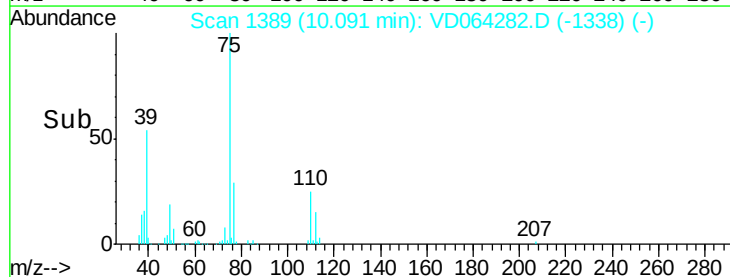
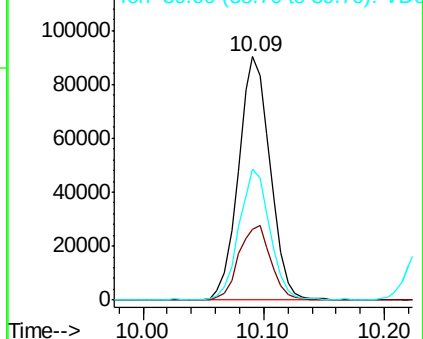
39 53.7 44.2 66.2

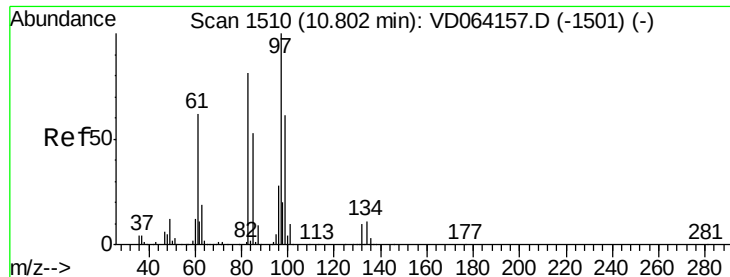


Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 76.90 (76.60 to 77.60): VDC

Ion 39.00 (38.70 to 39.70): VDC





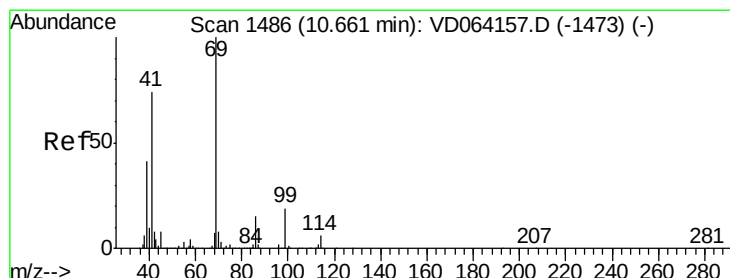
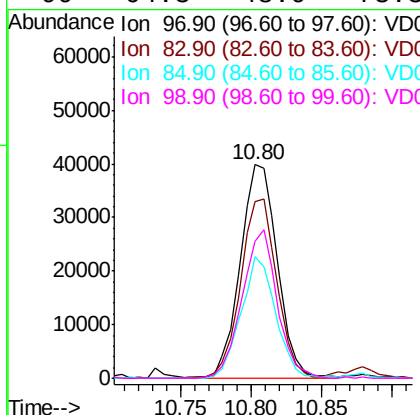
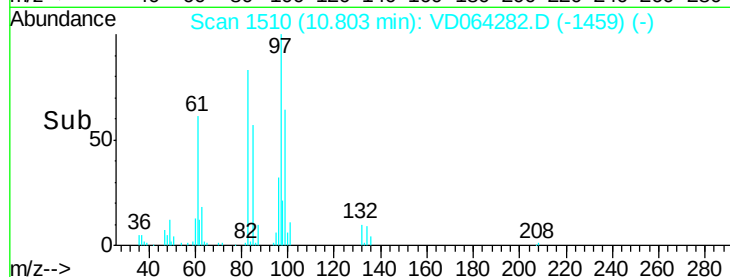
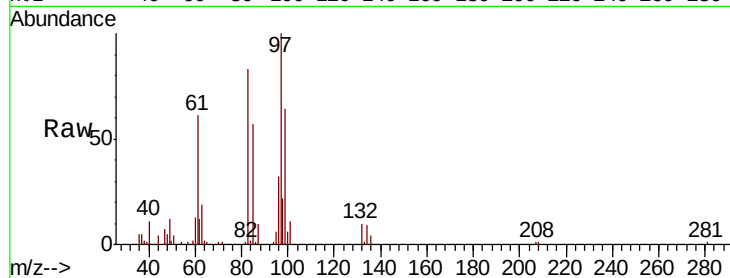
#55
 1,1,2-Trichloroethane
 Concen: 19.435 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		73455		
83	82.4	65.1	97.7		
85	56.8	42.0	63.0		
99	64.3	48.9	73.3		

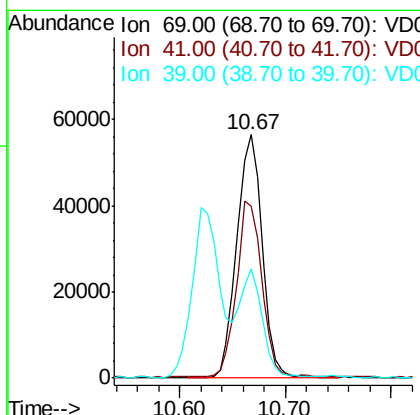
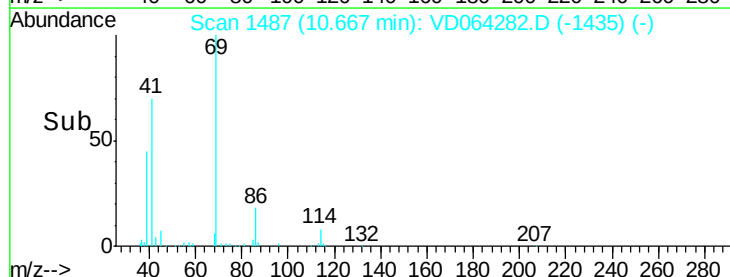
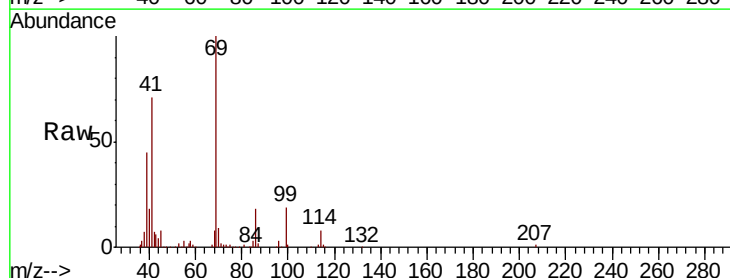
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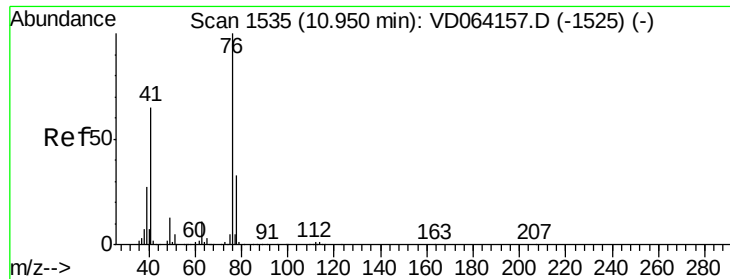
MMDadoda
 11/20/2019 9:56:48 AM



#56
 Ethyl methacrylate
 Concen: 17.853 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		94393		
41	70.8	57.9	86.9		
39	39.0	29.0	43.4		





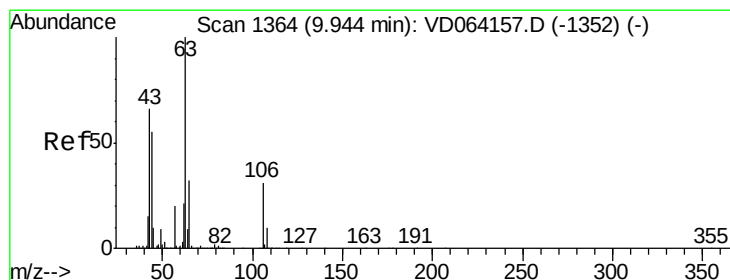
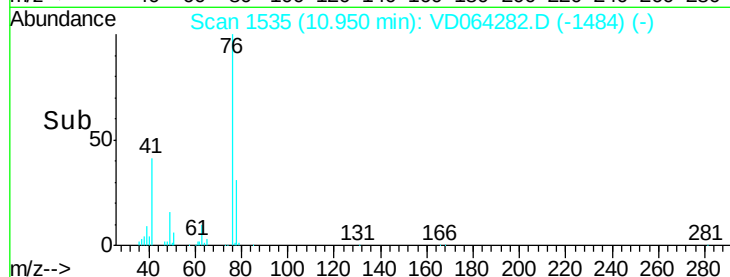
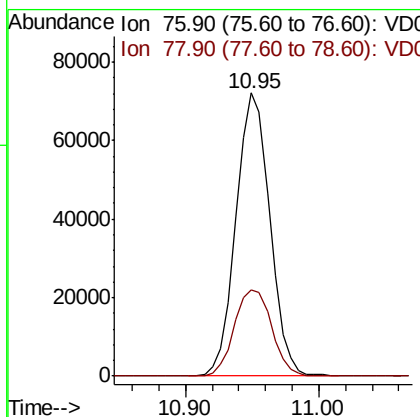
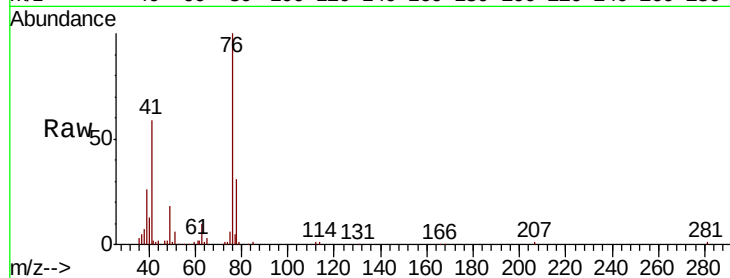
#57
 1,3-Dichloropropane
 Concen: 19.282 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.7	26.2	39.4

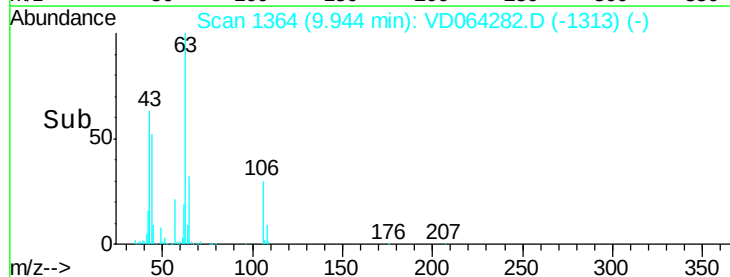
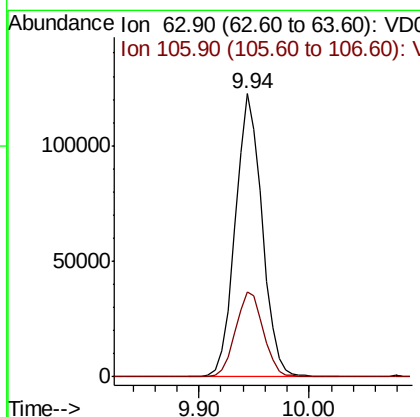
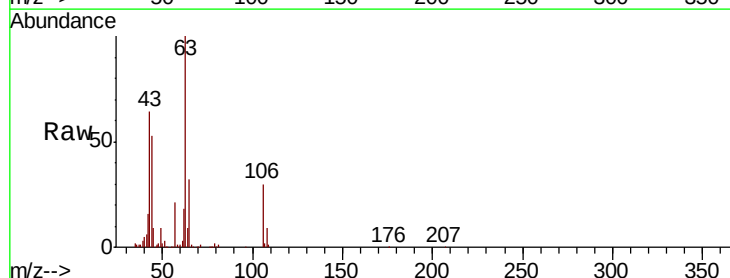
Manual Integrations
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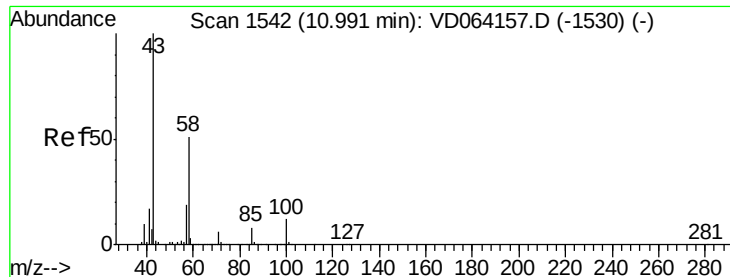
MMDadoda
 11/20/2019 9:56:48 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.626 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.2	24.1	36.1





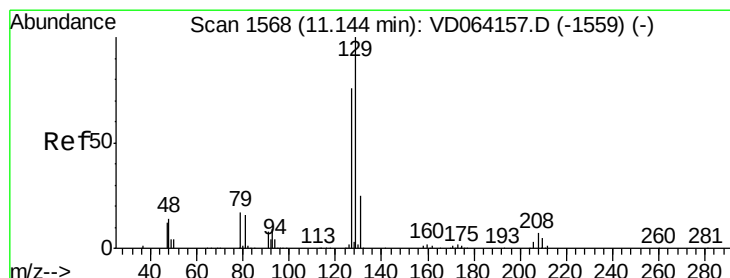
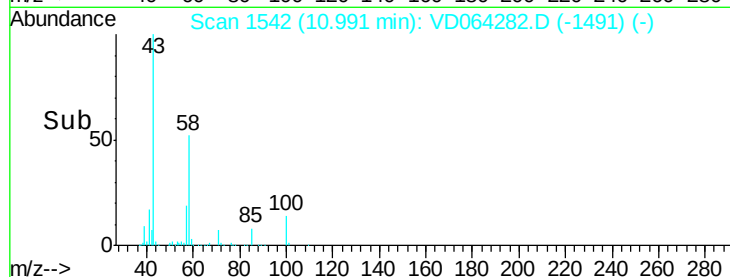
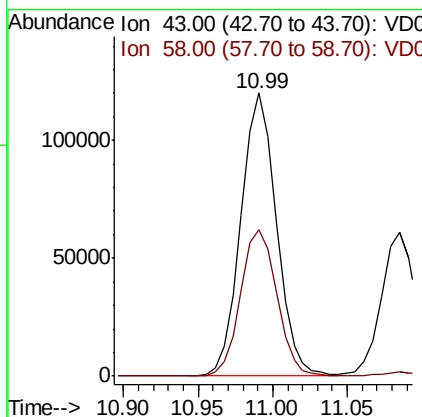
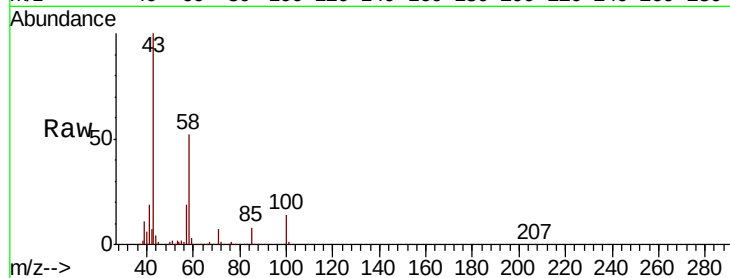
#59
2-Hexanone
Concen: 85.374 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 43 Resp: 197935
Ion Ratio Lower Upper
43 100
58 53.0 25.9 77.7

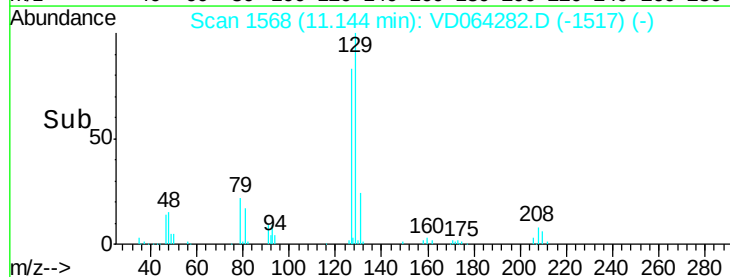
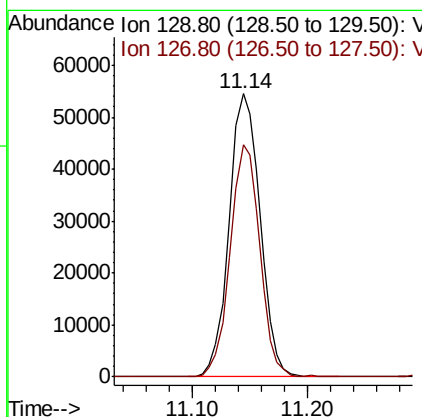
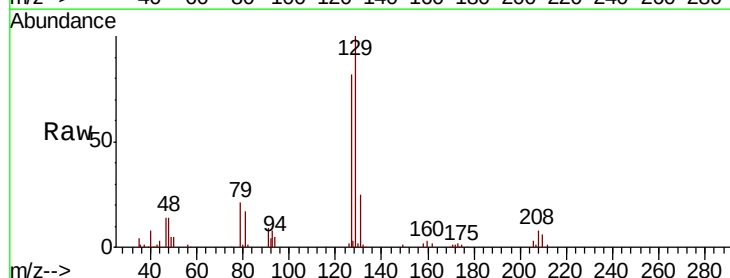
Manual Integrations
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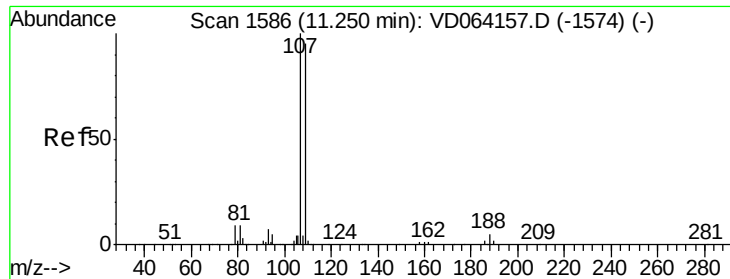
MMDadoda
11/20/2019 9:56:48 AM



#60
Dibromochloromethane
Concen: 19.278 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 129 Resp: 101671
Ion Ratio Lower Upper
129 100
127 78.0 38.6 115.8





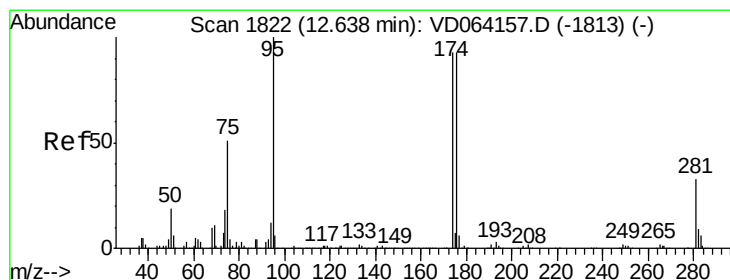
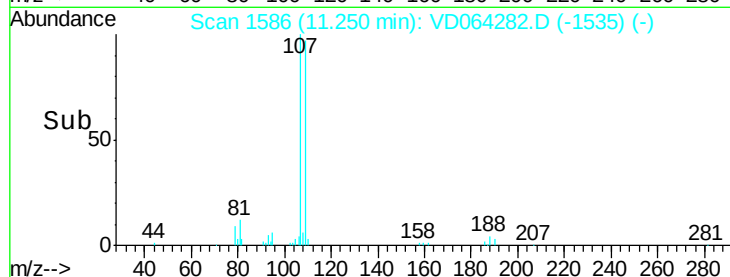
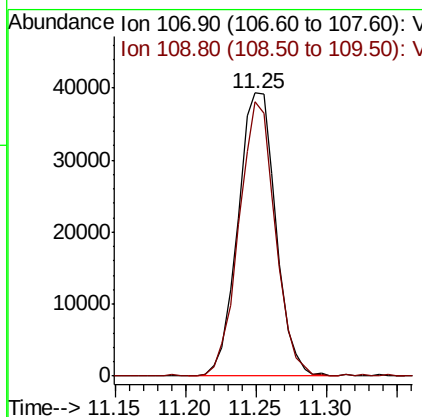
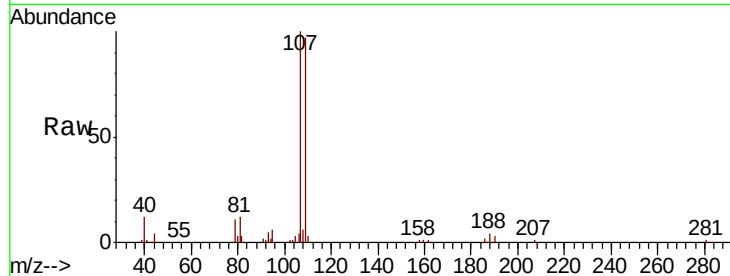
#61
 1,2-Dibromoethane
 Concen: 19.472 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion: 107 Resp: 73715
 Ion Ratio Lower Upper
 107 100
 109 92.9 75.1 112.7

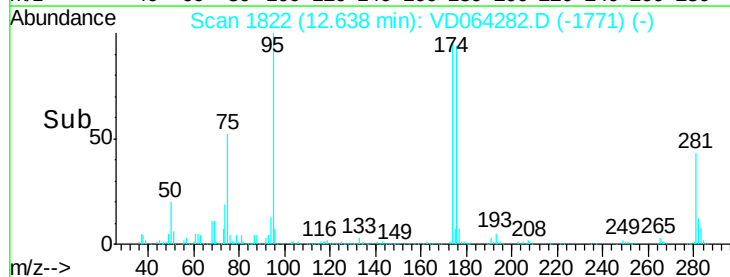
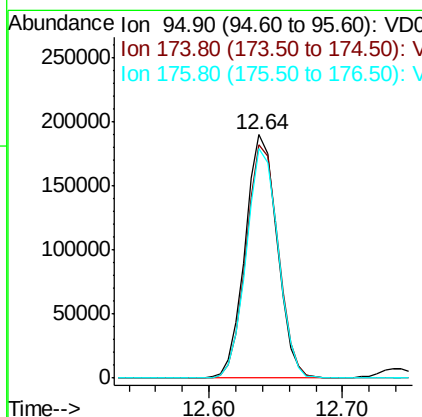
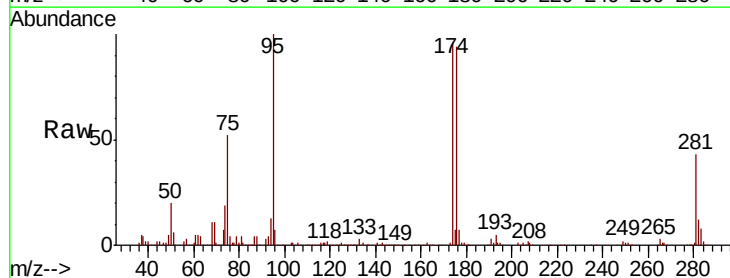
Manual Integrations
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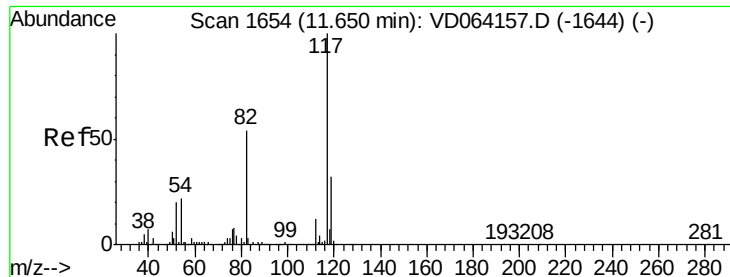
MMDadoda
 11/20/2019 9:56:48 AM



#62
 4-Bromofluorobenzene
 Concen: 49.387 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion: 95 Resp: 313948
 Ion Ratio Lower Upper
 95 100
 174 96.1 0.0 183.6
 176 93.6 0.0 180.2





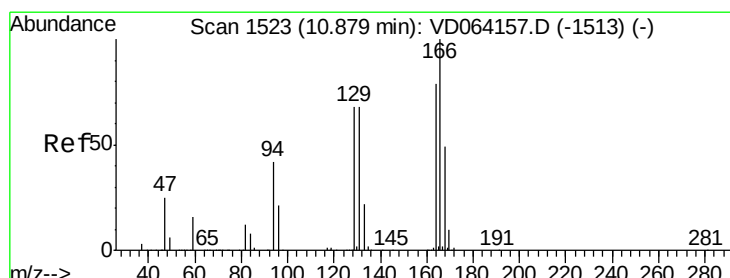
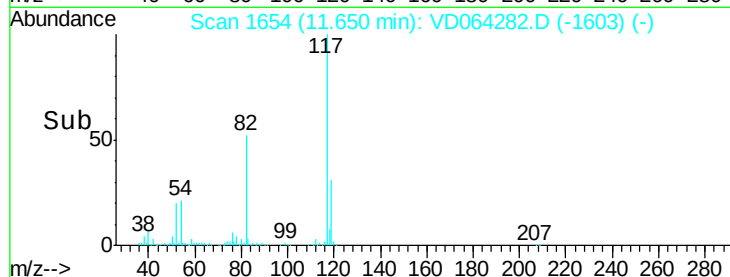
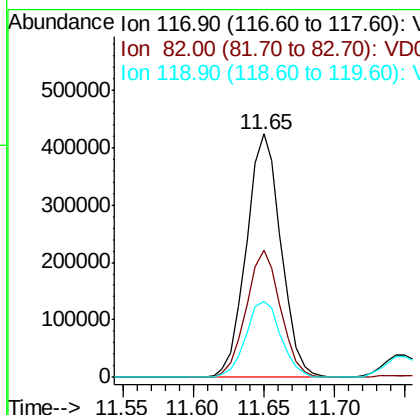
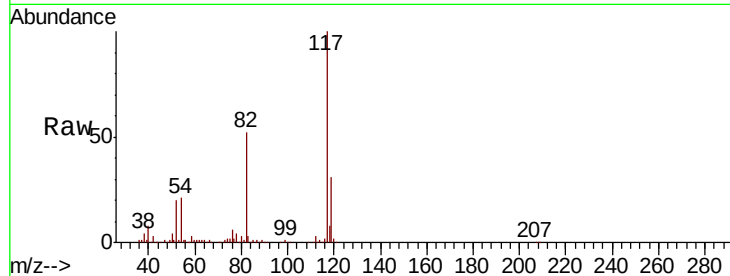
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.8	64.2
119	31.3	25.6	38.4

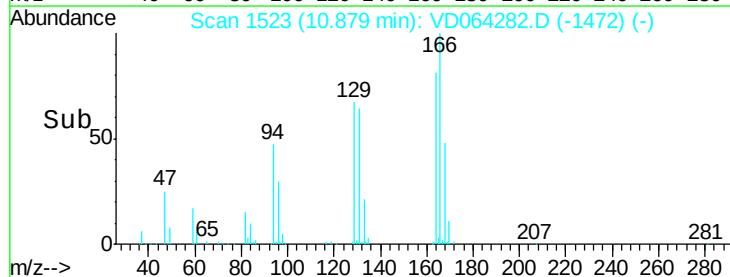
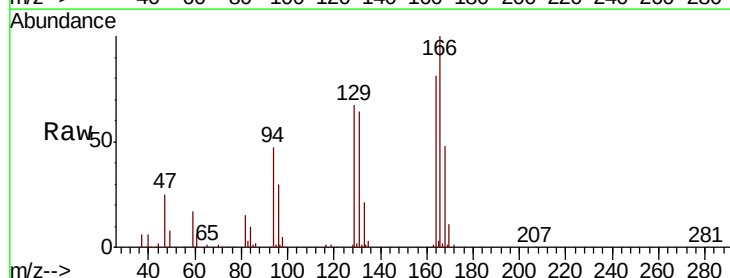
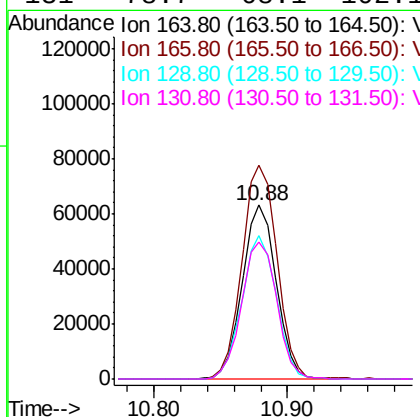
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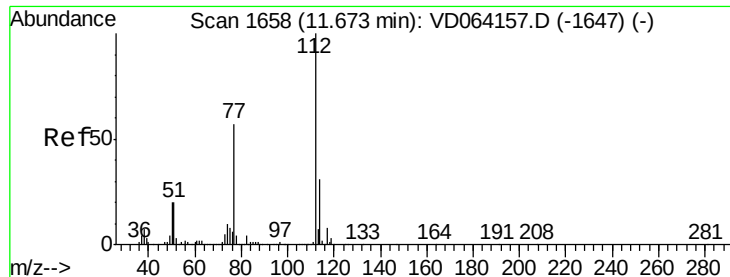
MMDadoda
11/20/2019 9:56:48 AM



#64
Tetrachloroethene
Concen: 19.820 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.0	100.8	151.2
129	82.7	68.7	103.1
131	78.7	68.1	102.1





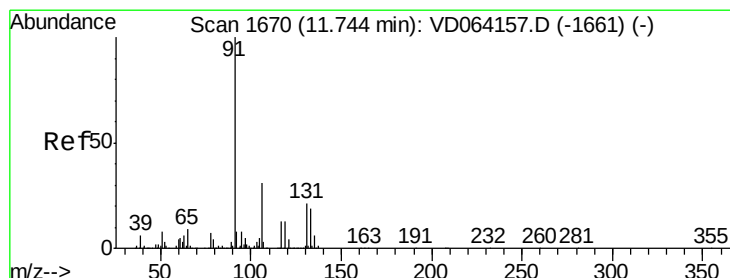
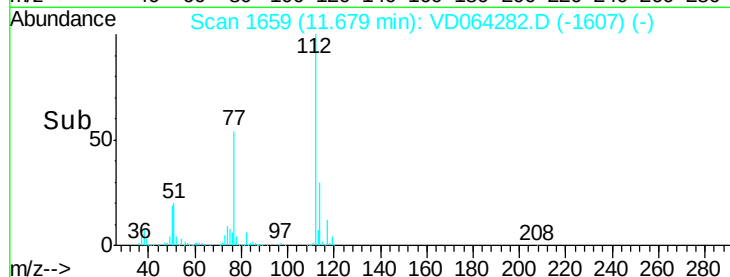
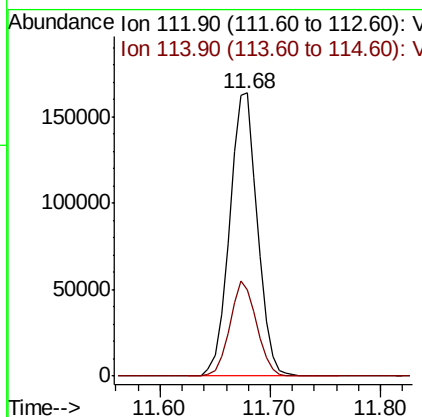
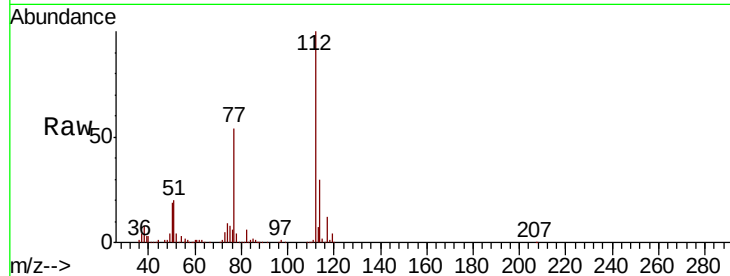
#65
Chlorobenzene
Concen: 19.514 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.3	25.2	37.8

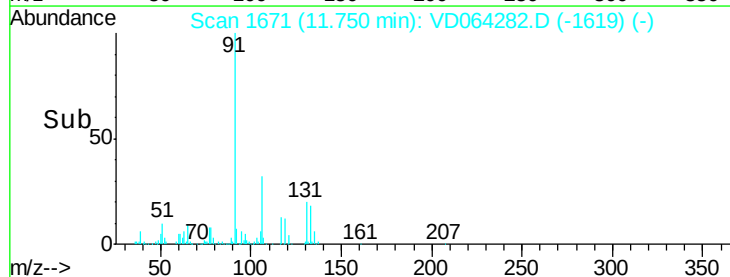
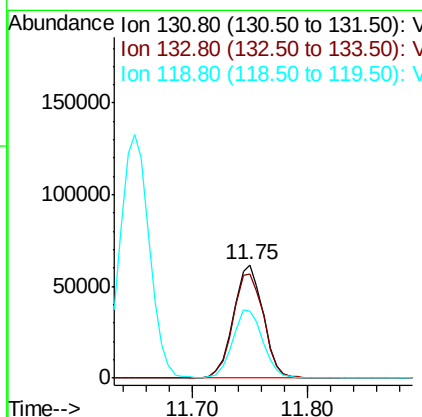
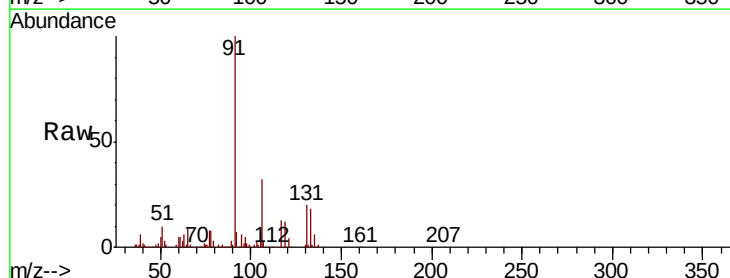
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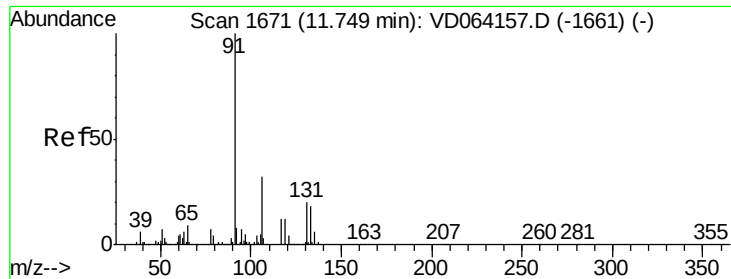
MMDadoda
11/20/2019 9:56:48 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 19.511 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	47.3	141.9
119	61.4	31.1	93.3





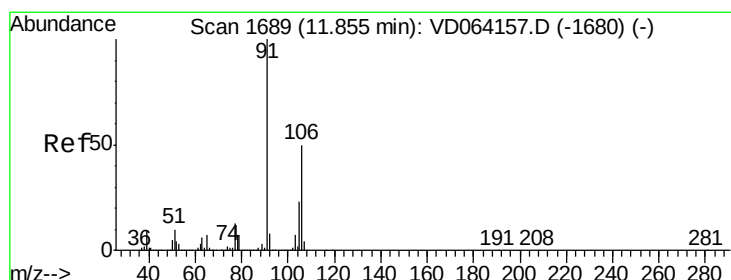
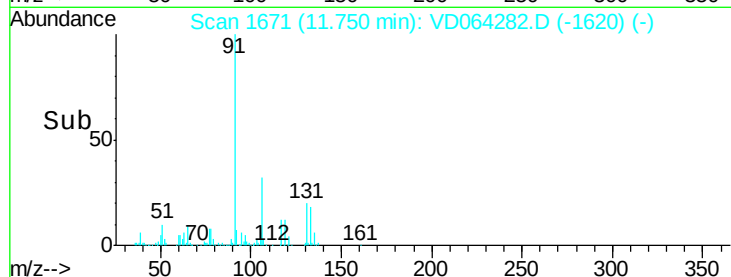
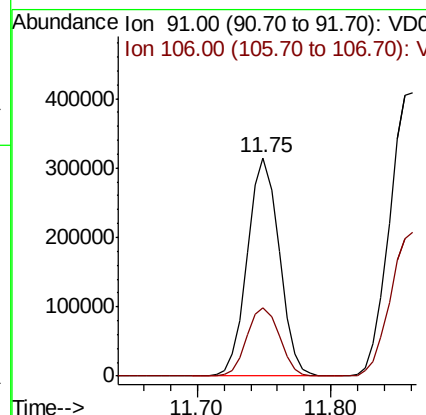
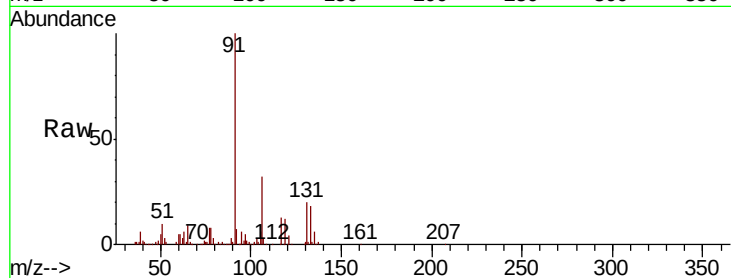
#67
Ethyl Benzene
Concen: 19.397 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion: 91 Resp: 519683
Ion Ratio Lower Upper
91 100
106 31.5 25.5 38.3

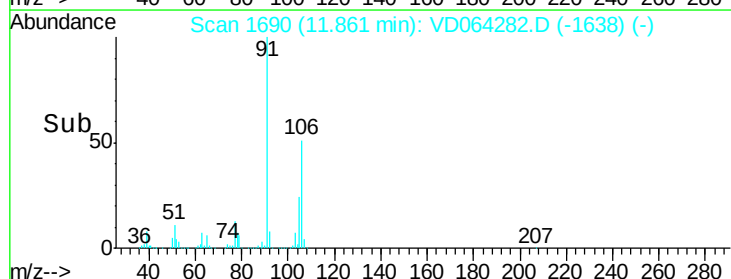
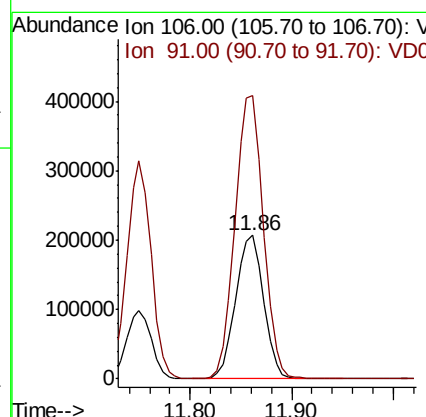
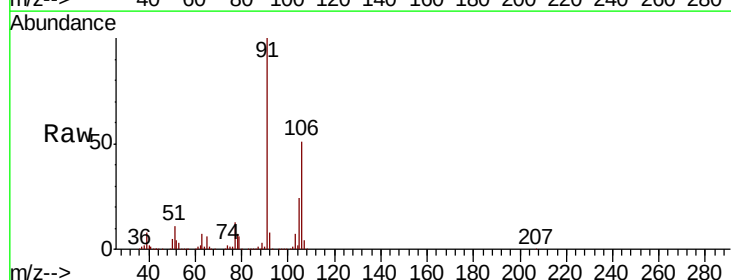
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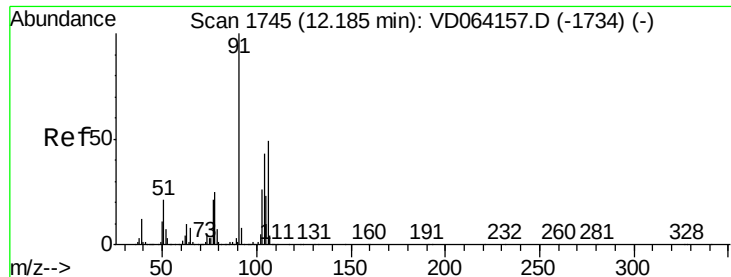
MMDadoda
11/20/2019 9:56:48 AM



#68
m/p-Xylenes
Concen: 38.635 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion: 106 Resp: 396756
Ion Ratio Lower Upper
106 100
91 199.4 160.3 240.5





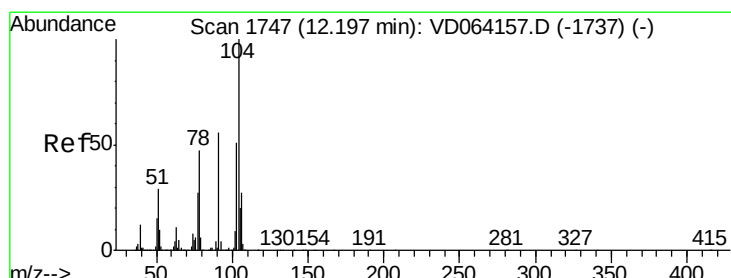
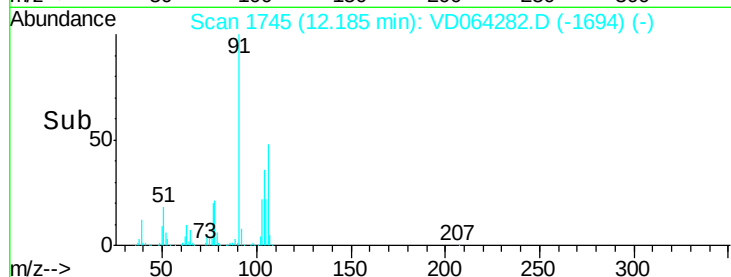
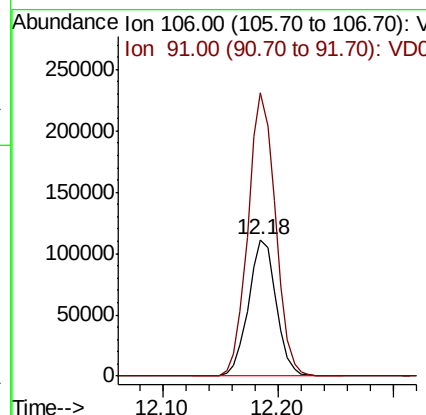
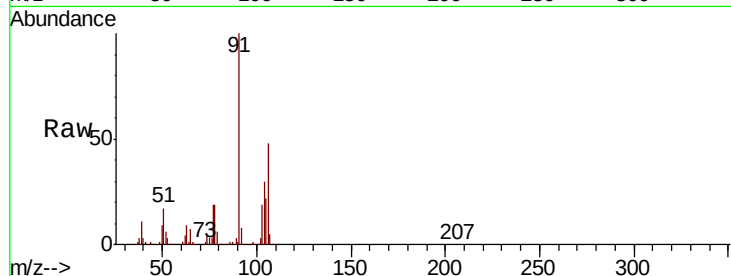
#69
o-Xylene
Concen: 19.526 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
106	100		
91	205.2	105.1	315.3

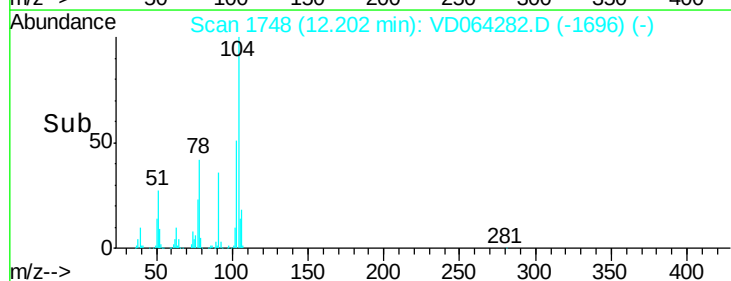
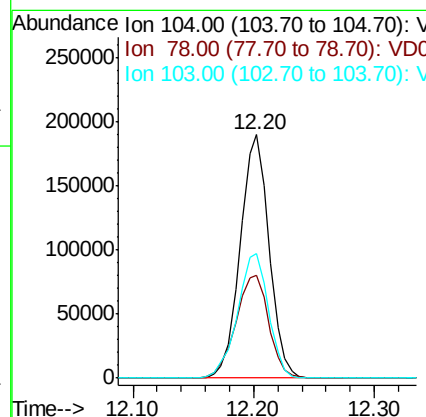
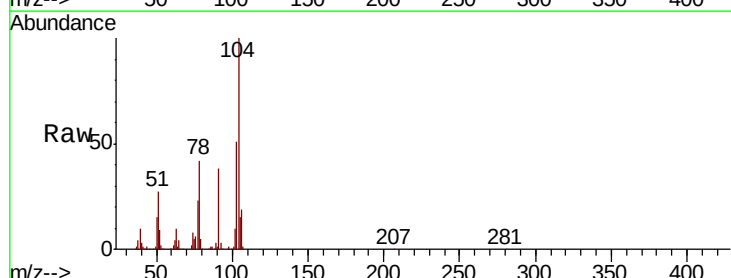
Manual Integrations
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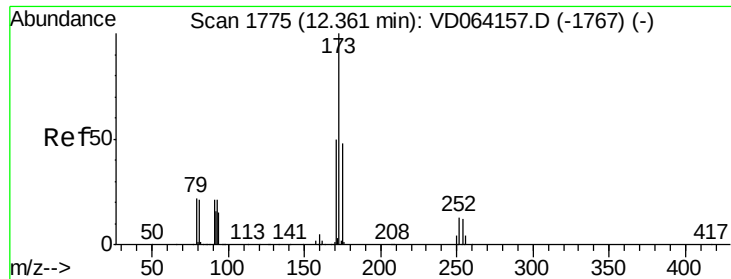
MMDadoda
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#70
Styrene
Concen: 19.149 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.8	39.9	59.9
103	54.8	43.4	65.0





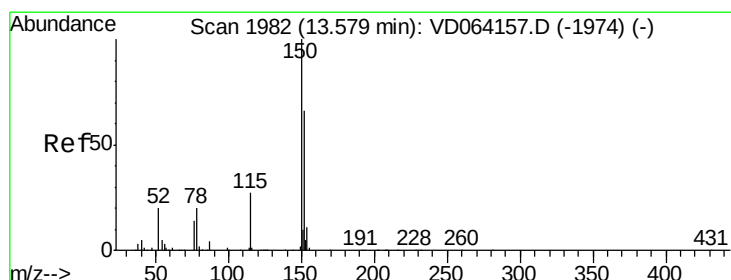
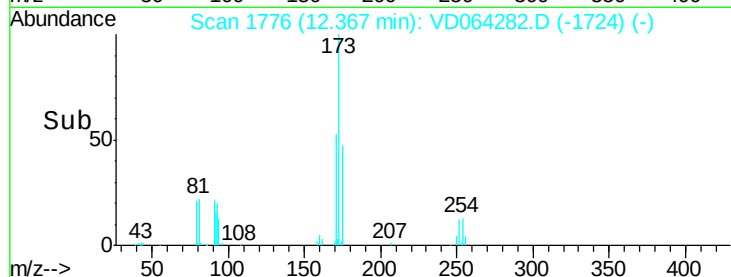
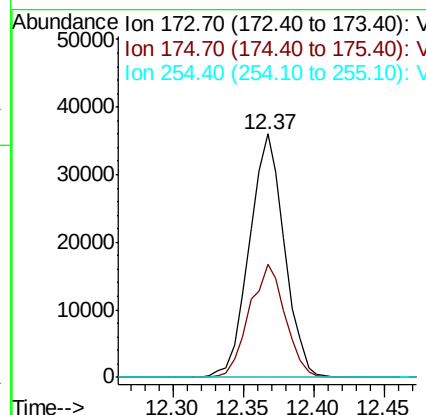
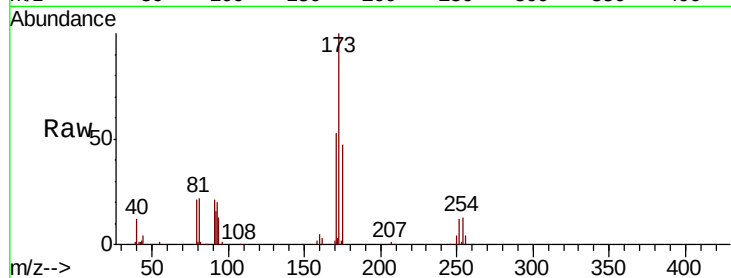
#71
Bromoform
Concen: 19.511 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.1	72.3
254	0.0	0.2	0.2

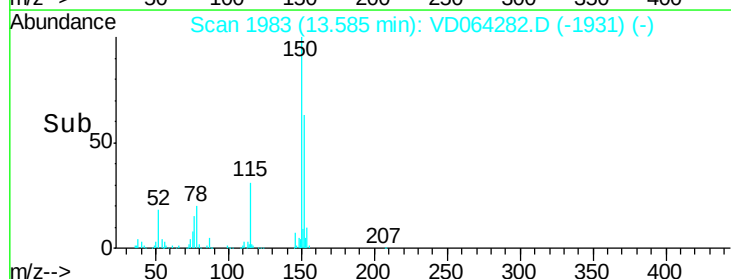
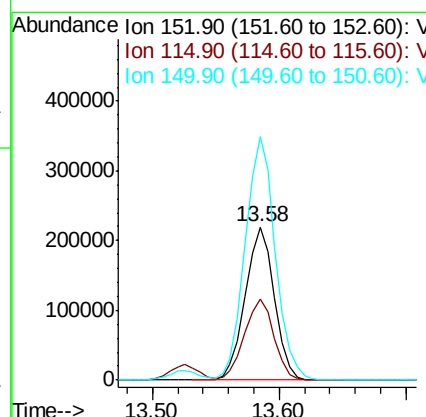
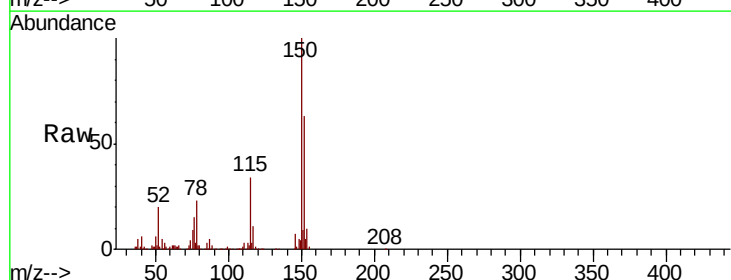
Manual Integrations
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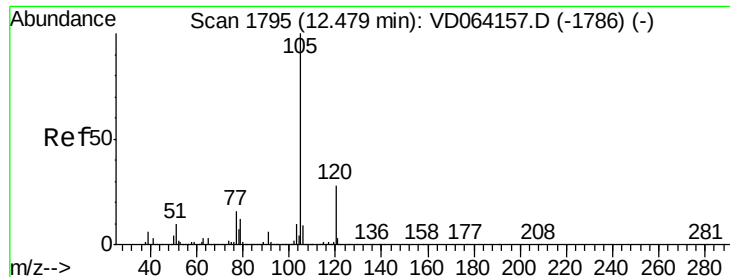
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
152	100		
115	53.8	27.4	82.2
150	164.7	0.0	351.6





#73

Isopropylbenzene

Concen: 20.071 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 105 Resp: 513866

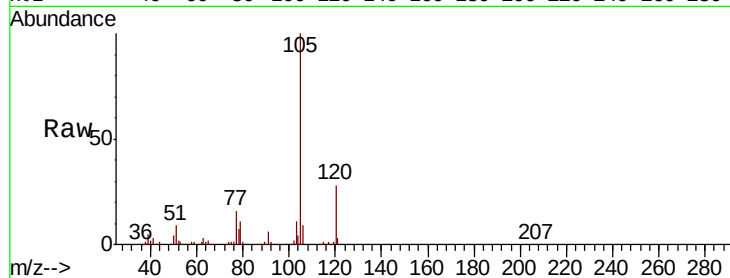
Ion Ratio Lower Upper

105 100

120 27.1 13.6 40.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

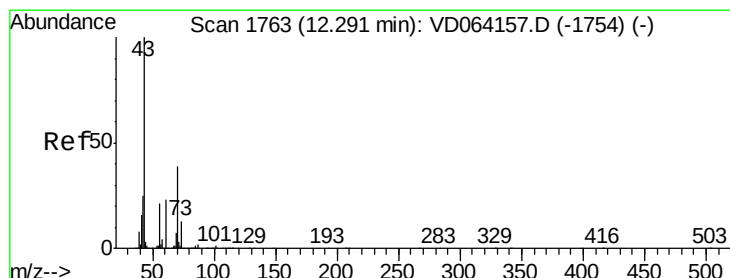
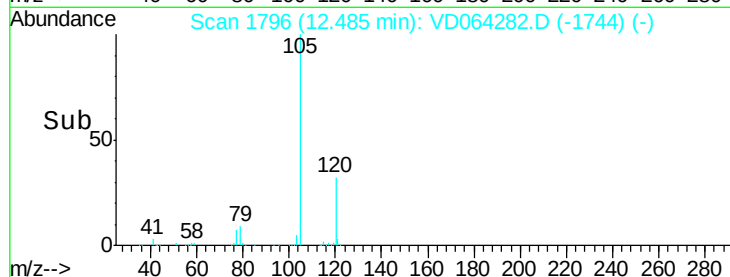
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.254 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion: 43 Resp: 110357

Ion Ratio Lower Upper

43 100

70 39.7 32.4 48.6

55 22.9 17.9 26.9

61 23.6 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

80000

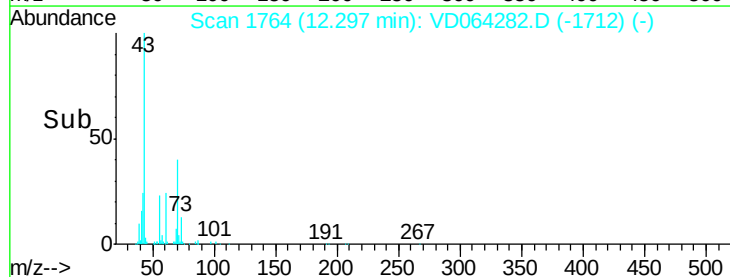
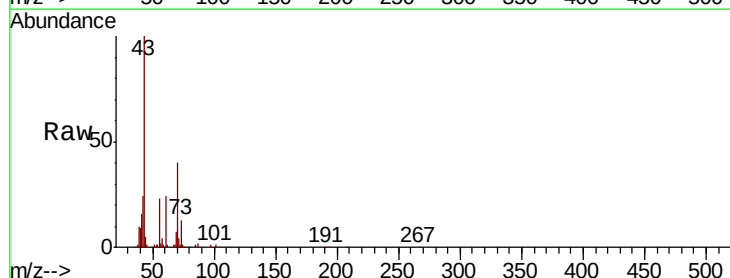
60000

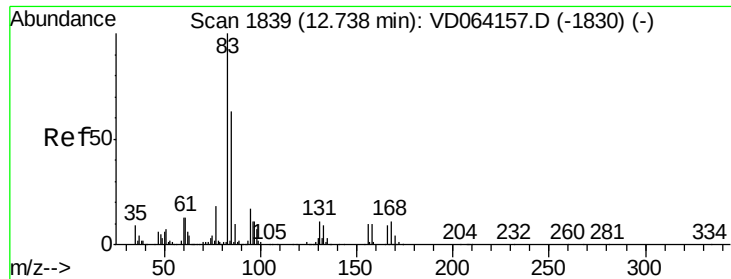
40000

20000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.453 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

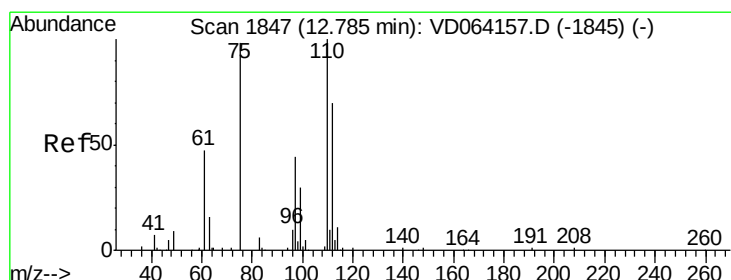
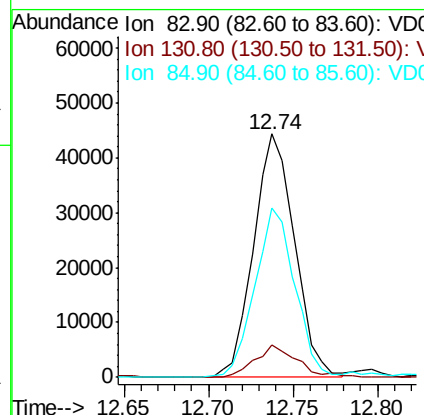
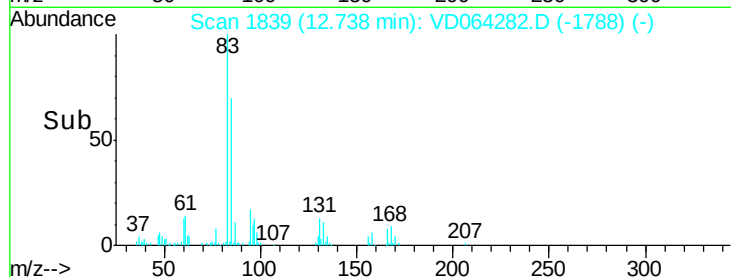
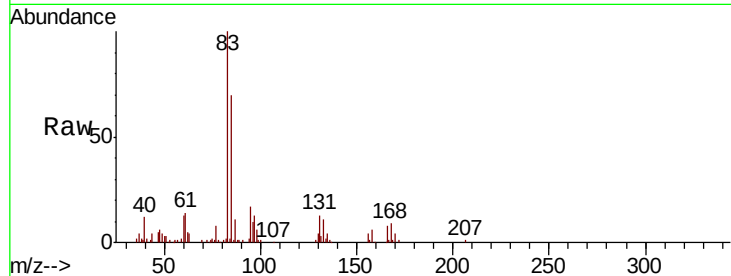
ClientSampleId :

VD1119SBS01

Tot Ion:	83	Resp:	75044
Ion	Ratio	Lower	Upper
83	100		
131	13.7	5.9	17.7
85	67.9	32.5	97.5

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 14.320 ug/l m

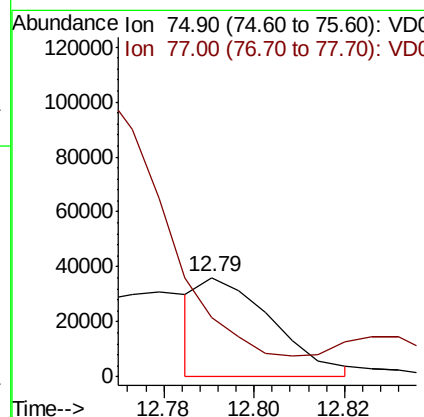
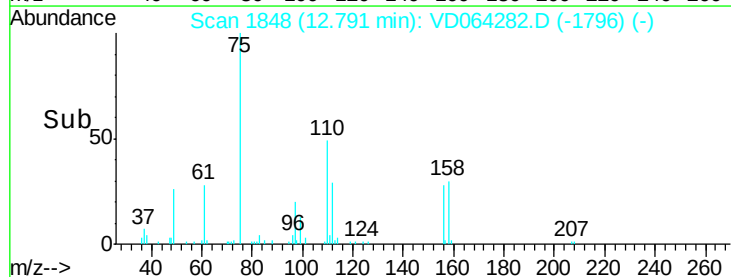
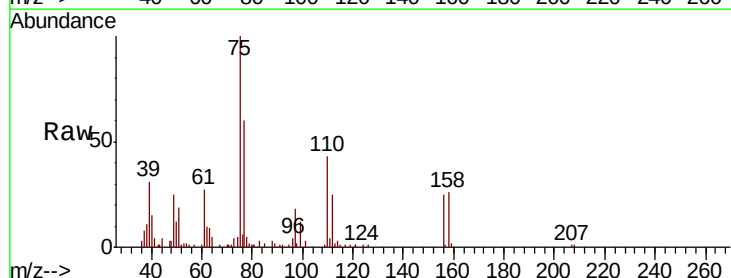
RT: 12.79 min Scan# 1848

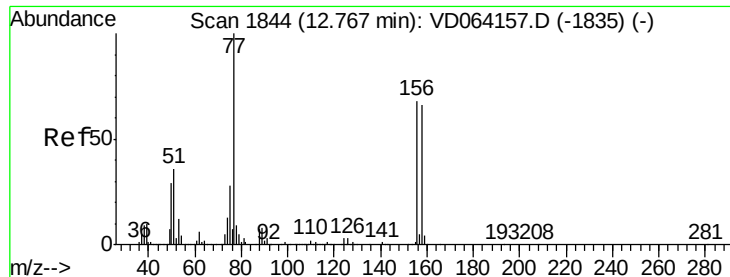
Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion:	75	Resp:	40233
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.044 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

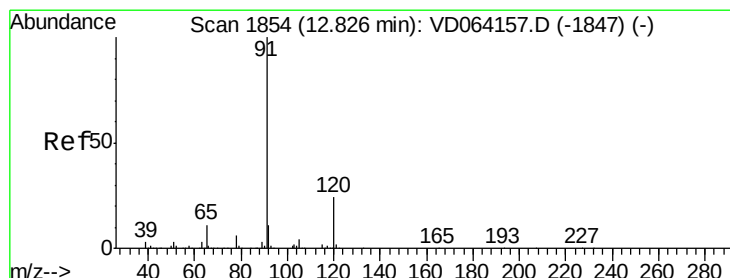
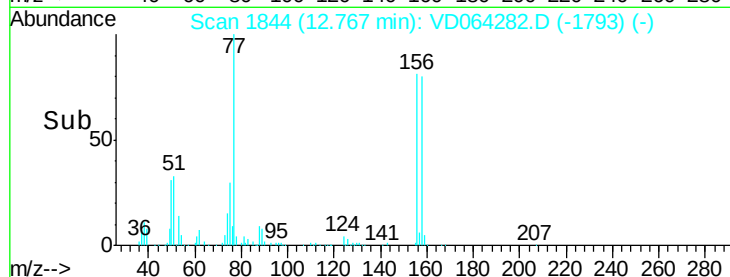
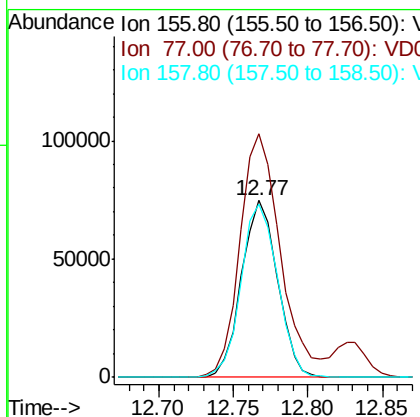
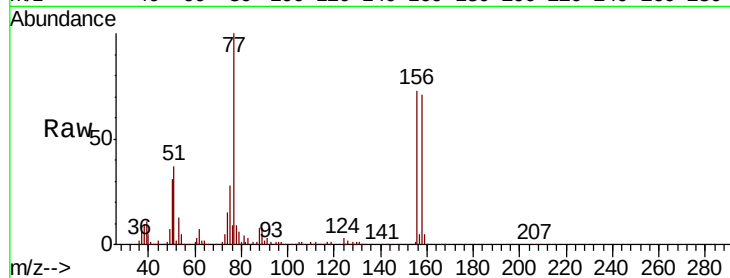
ClientSampleId :

VD1119SBS01

Tot Ion:	156	Resp:	124668
Ion Ratio	Lower	Upper	
156	100		
77	155.5	81.2	243.4
158	99.9	48.4	145.2

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#78

n-propylbenzene

Concen: 20.158 ug/l

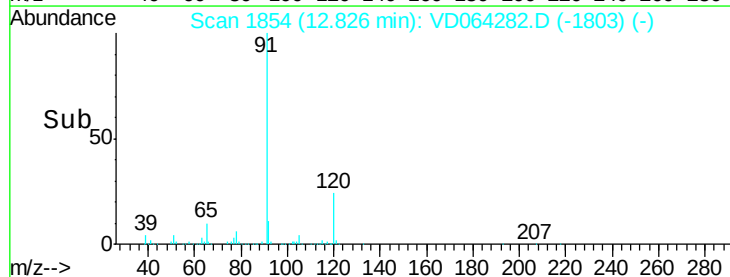
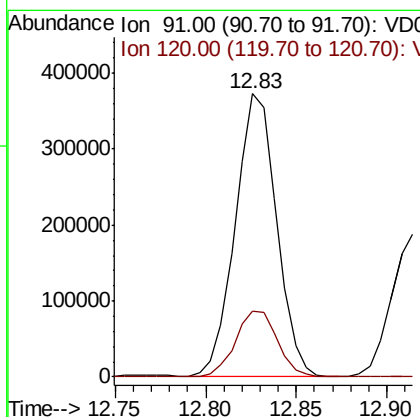
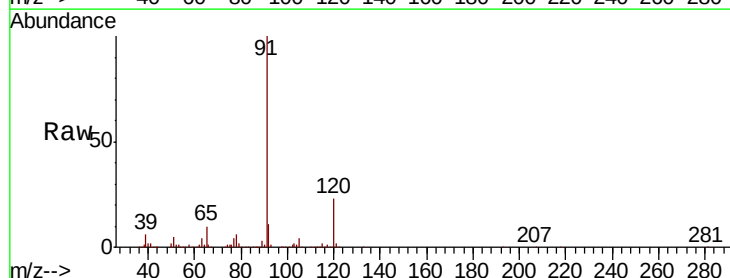
RT: 12.83 min Scan# 1854

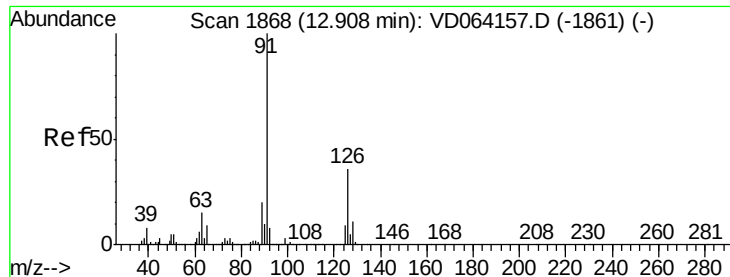
Delta R.T. 0.00 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Tgt Ion:	91	Resp:	589620
Ion Ratio	Lower	Upper	
91	100		
120	23.8	11.8	35.4





#79

2-Chlorotoluene

Concen: 19.488 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD064282.D

Acq: 19 Nov 2019 11:35

Instrument :

MSVOA_D

ClientSampleId :

VD1119SBS01

Tot Ion: 91 Resp: 321833

Ion Ratio Lower Upper

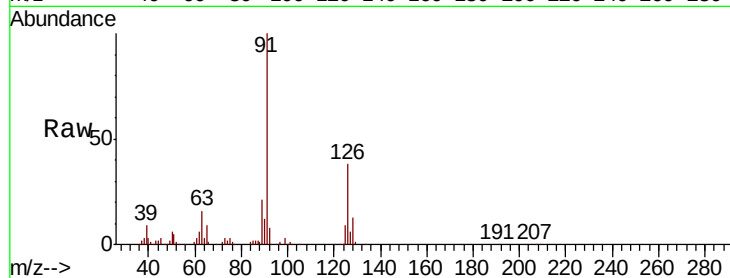
91 100

126 36.4 17.7 53.1

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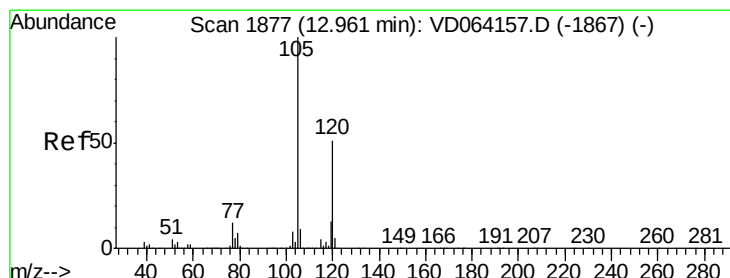
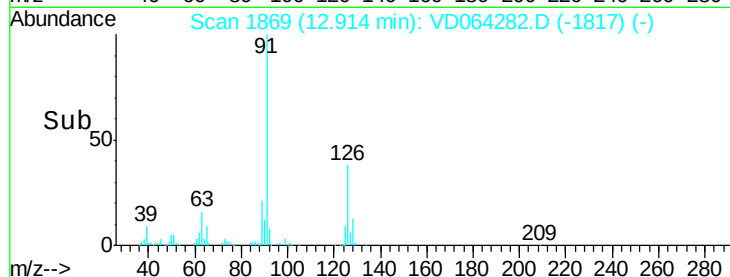
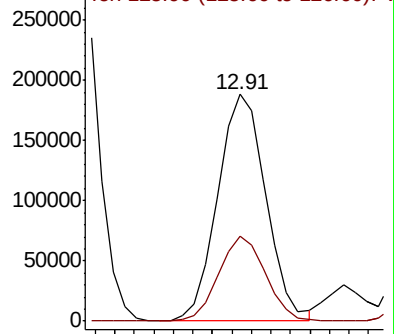
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 19.404 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD064282.D

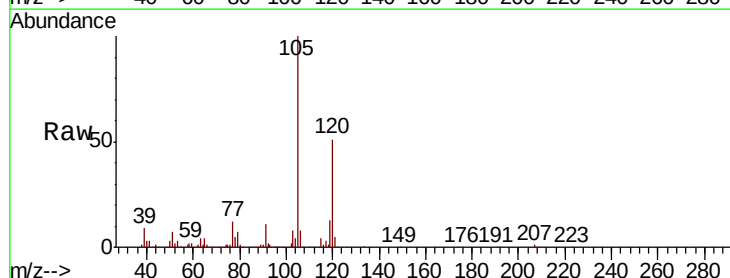
Acq: 19 Nov 2019 11:35

Tgt Ion: 105 Resp: 408214

Ion Ratio Lower Upper

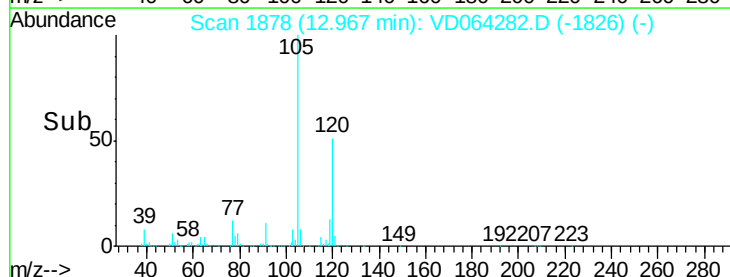
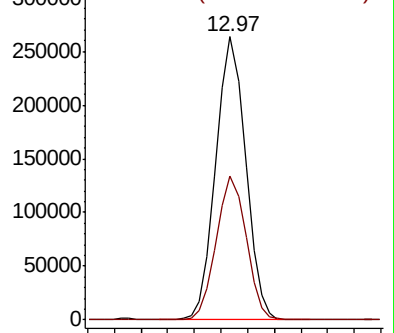
105 100

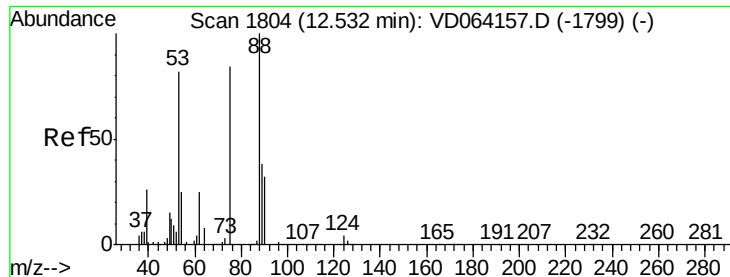
120 50.9 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





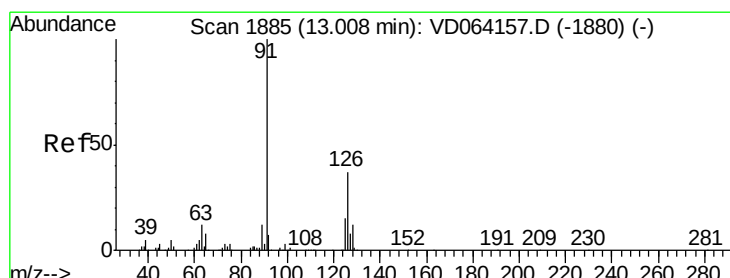
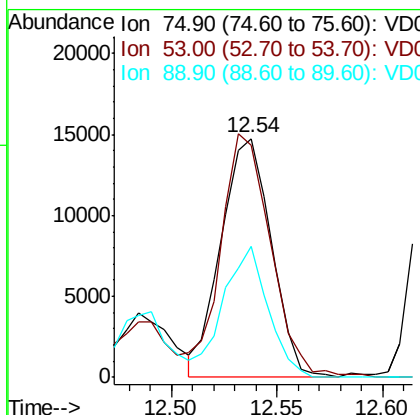
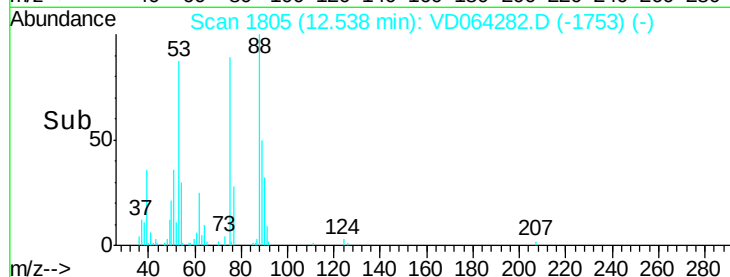
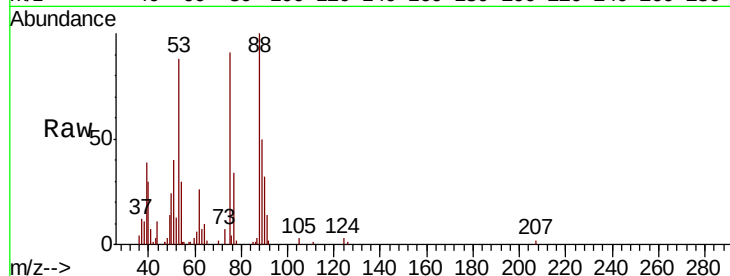
#81
trans-1,4-Dichloro-2-butene
Concen: 17.203 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.0	79.4	119.0
89	49.2	36.6	55.0

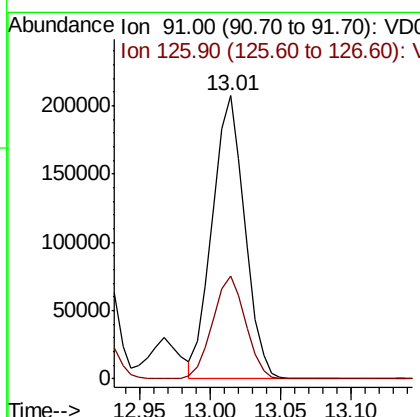
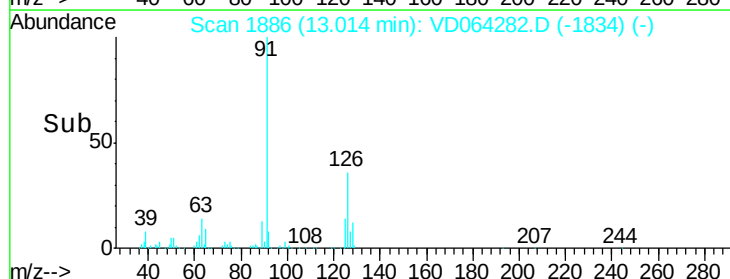
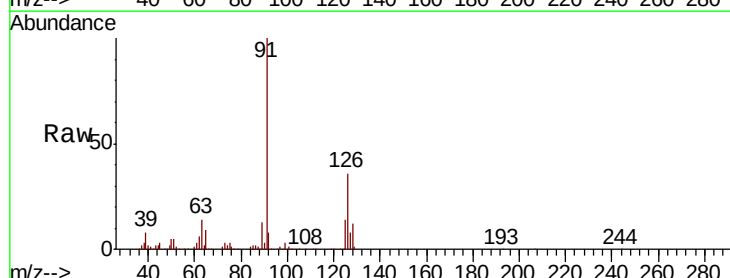
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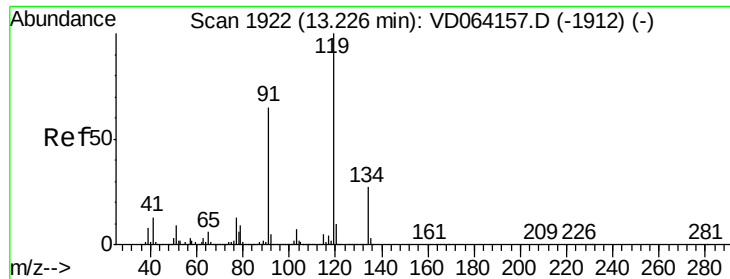
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#82
4-Chlorotoluene
Concen: 19.281 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.7	17.8	53.4





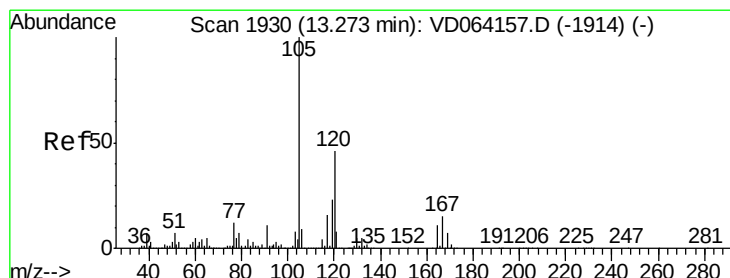
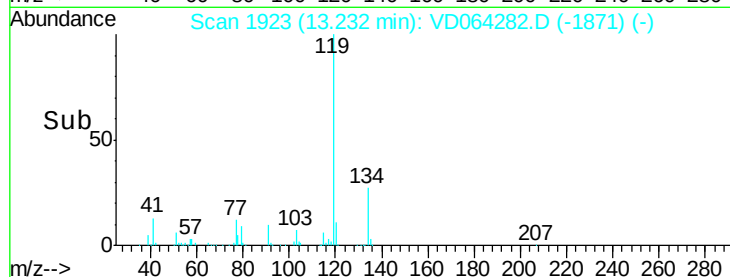
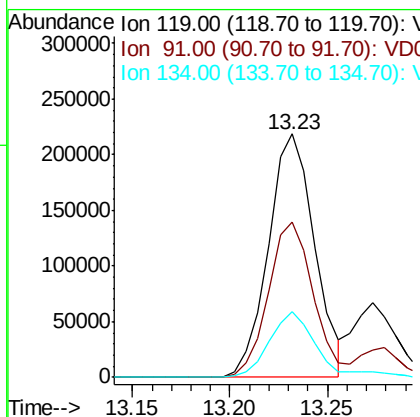
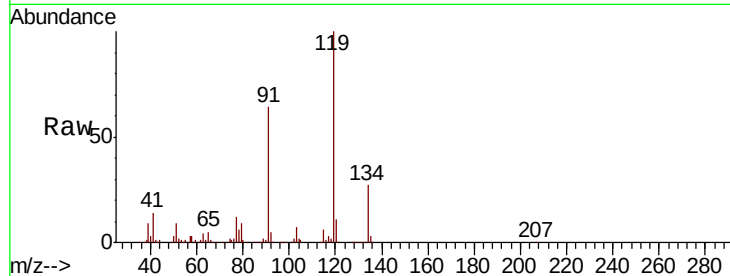
#83
 tert-Butylbenzene
 Concen: 19.345 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.7	31.8	95.4
134	27.7	13.7	41.0

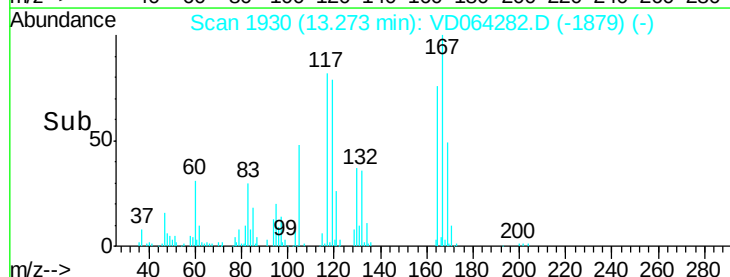
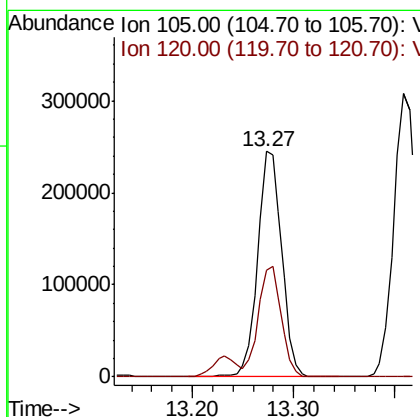
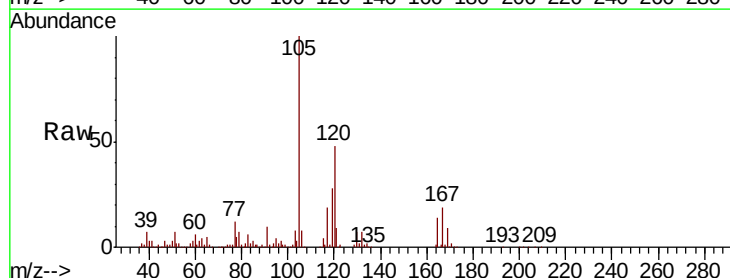
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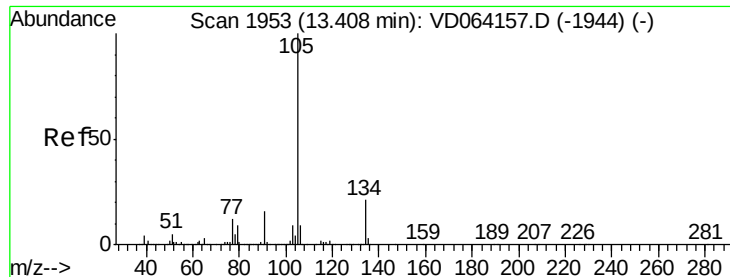
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#84
 1,2,4-Trimethylbenzene
 Concen: 19.500 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.8





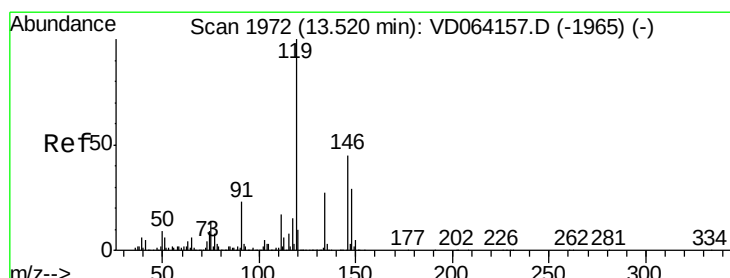
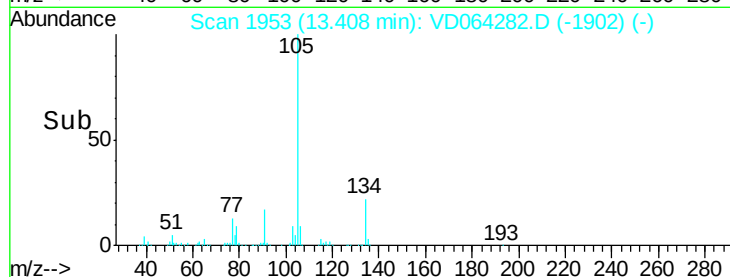
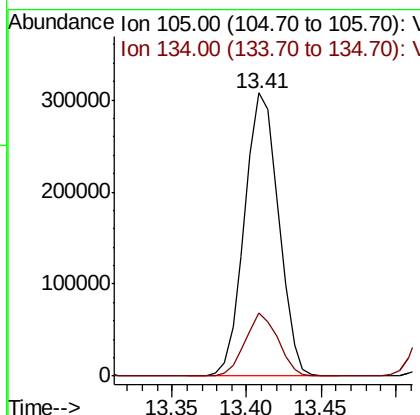
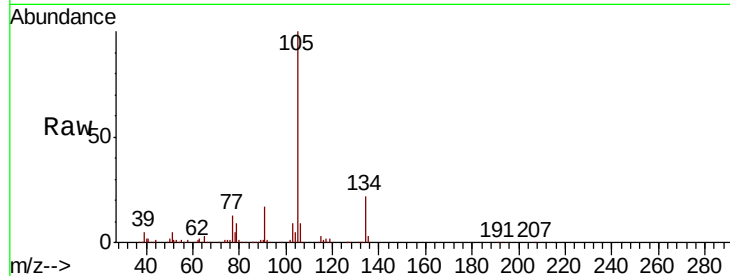
#85
 sec-Butylbenzene
 Concen: 19.528 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.4	10.7	31.9

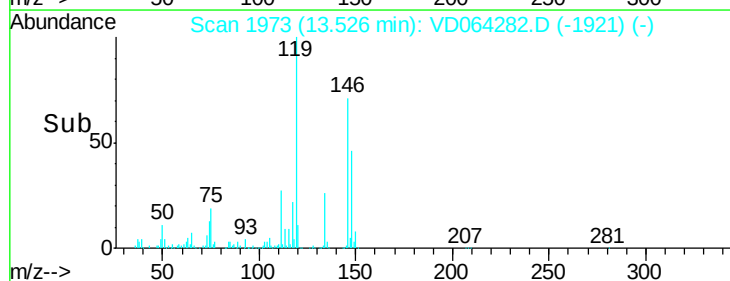
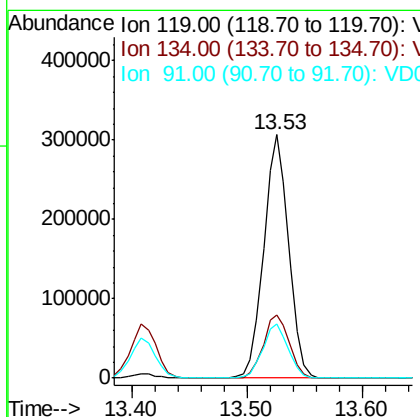
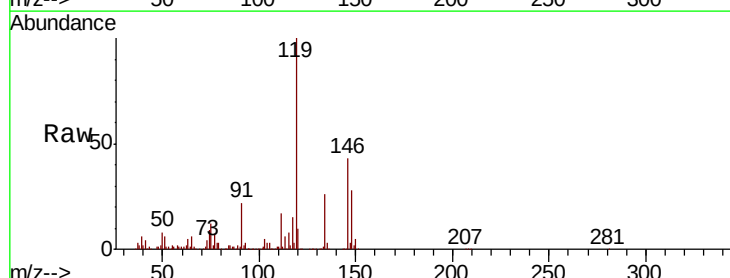
Manual Integrations
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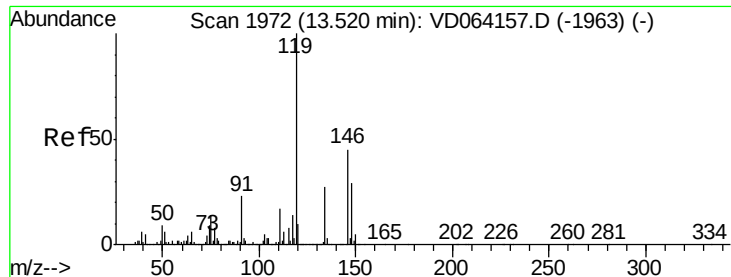
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#86
 p-Isopropyltoluene
 Concen: 19.426 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.5	40.5
91	22.6	11.5	34.4





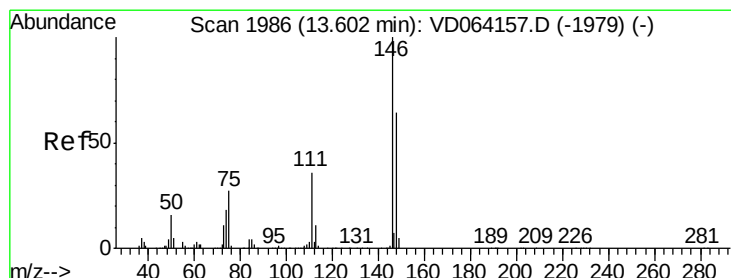
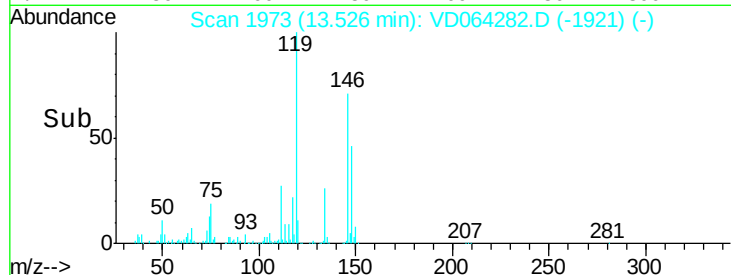
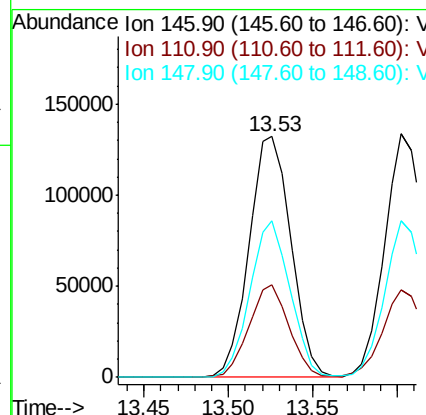
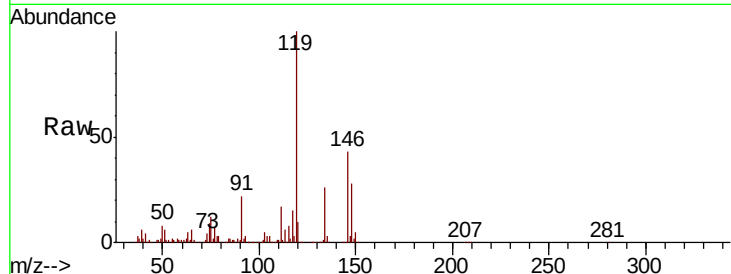
#87
 1,3-Dichlorobenzene
 Concen: 19.737 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.9	56.9
148	62.3	32.1	96.5

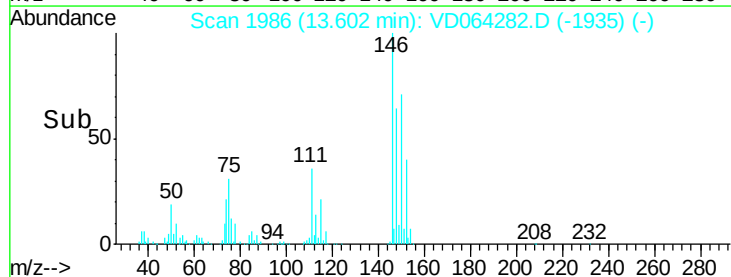
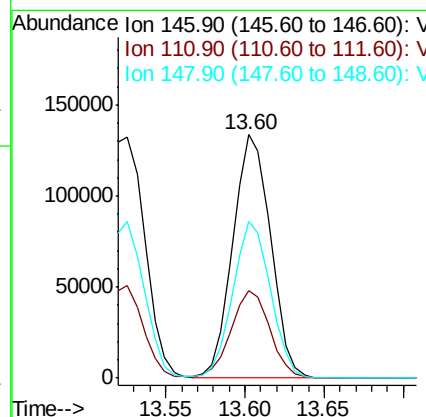
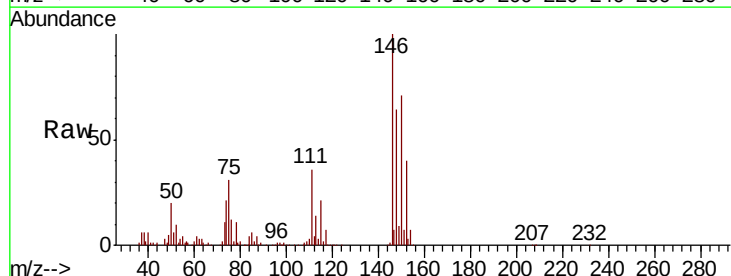
Manual Integrations
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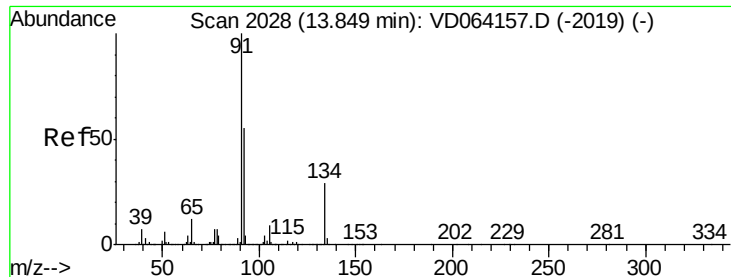
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#88
 1,4-Dichlorobenzene
 Concen: 19.601 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.1	54.4
148	64.1	31.9	95.7





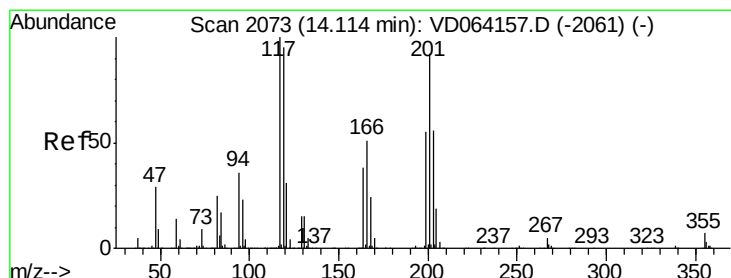
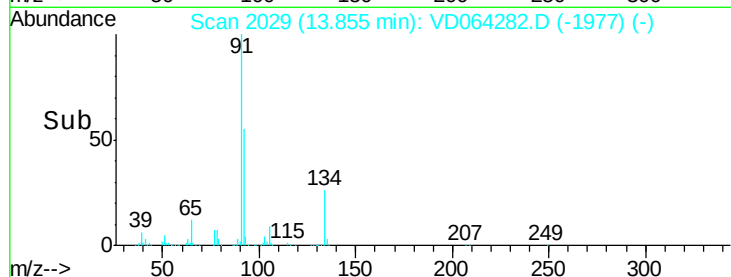
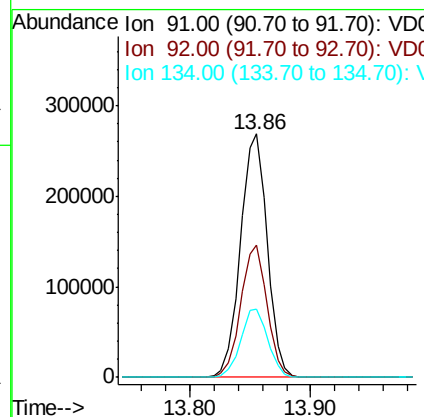
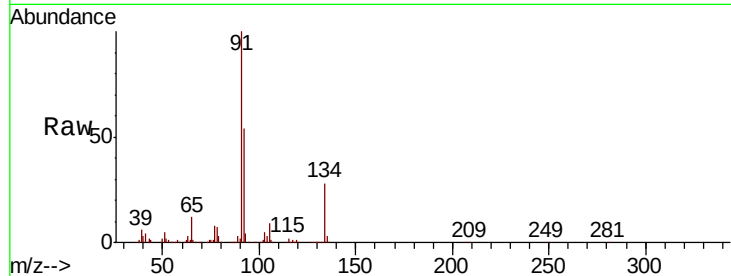
#89
n-Butylbenzene
Concen: 19.394 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.3	81.8
134	28.4	14.1	42.4

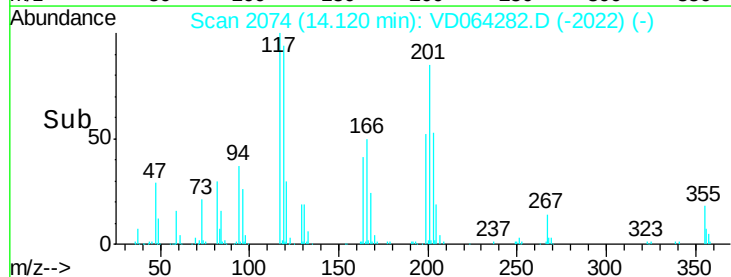
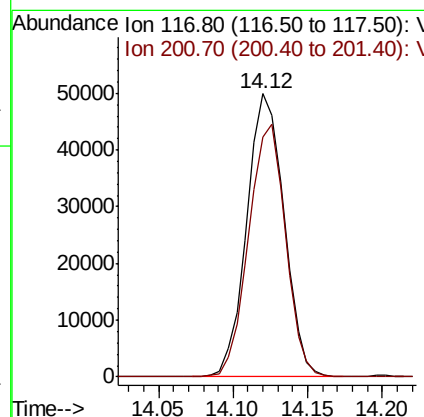
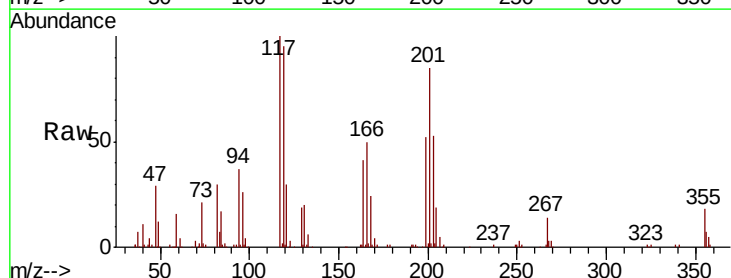
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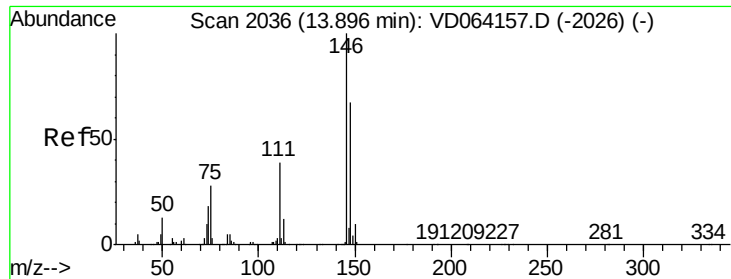
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#90
Hexachloroethane
Concen: 19.693 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.3	45.8	137.4





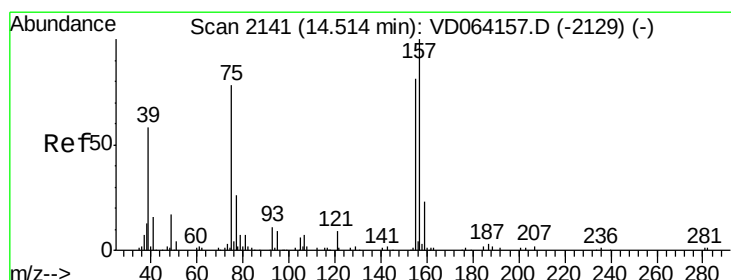
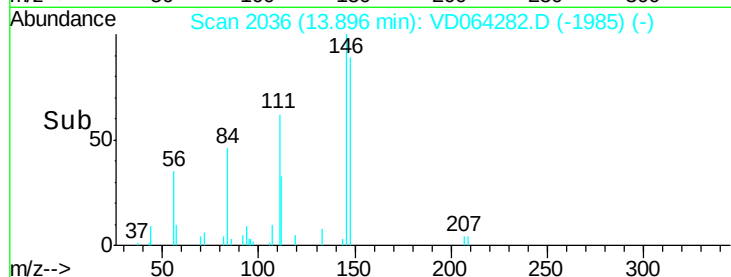
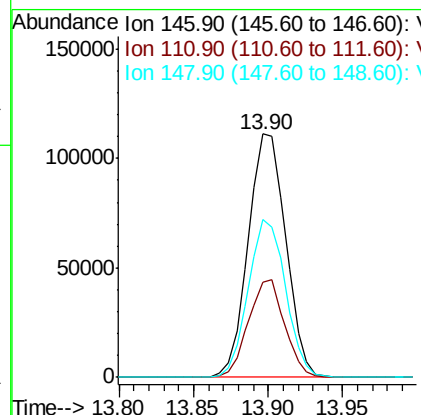
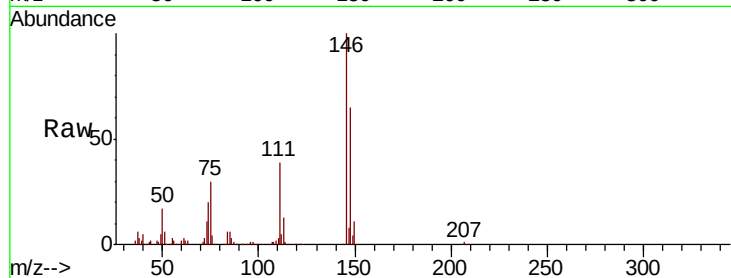
#91
 1,2-Dichlorobenzene
 Concen: 19.821 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.7	59.0
148	64.5	32.3	96.8

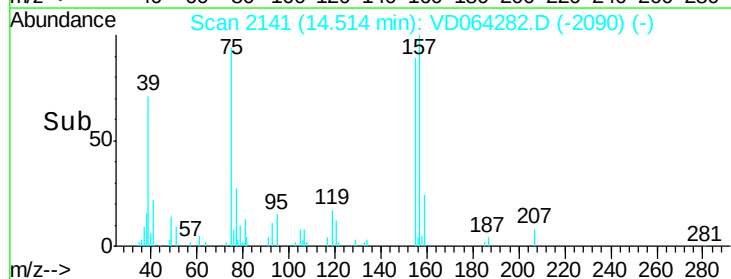
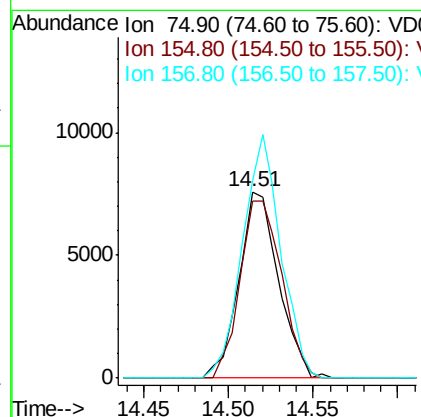
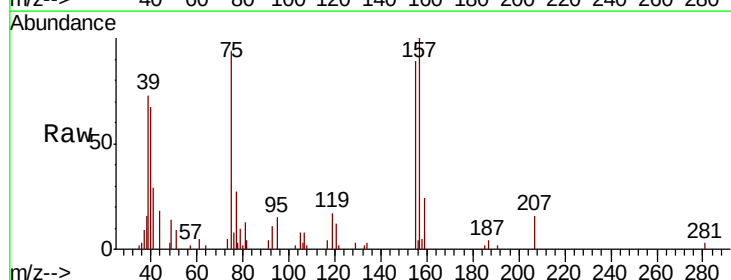
Manual Integrations
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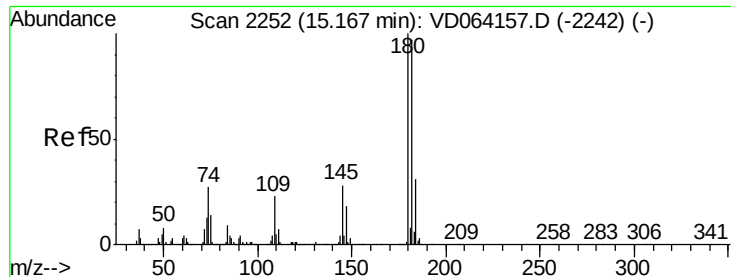
MMDadoda
 11/20/2019 9:56:48 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.937 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	100.2	48.0	144.0
157	126.4	61.5	184.4





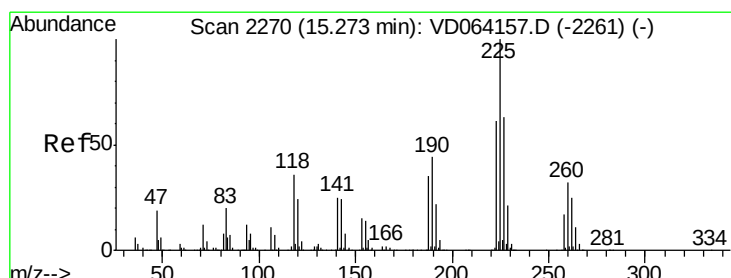
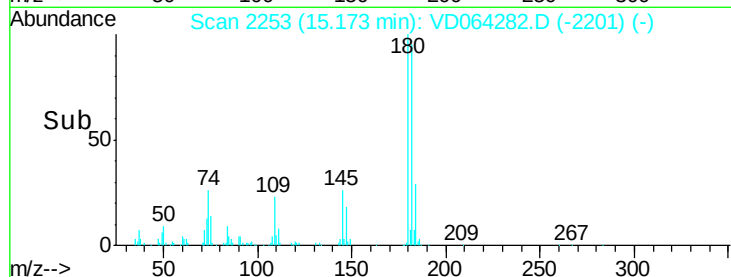
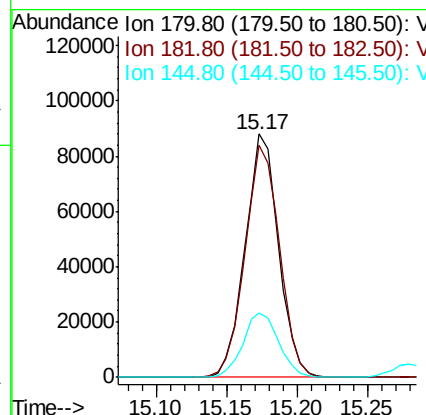
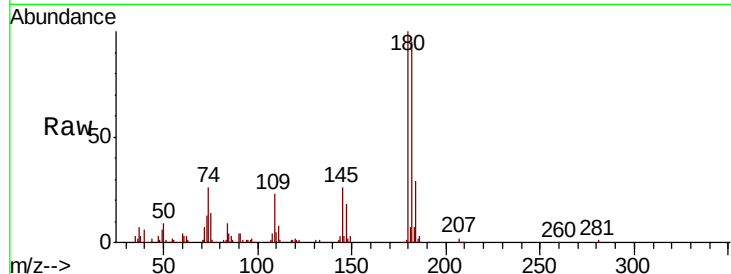
#93
 1,2,4-Trichlorobenzene
 Concen: 19.355 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	145910		
182	98.3	47.5	142.5	
145	28.2	14.2	42.6	

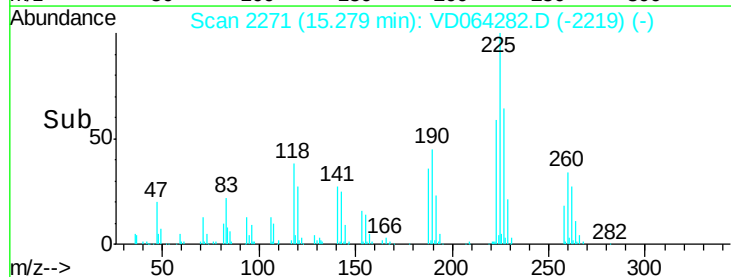
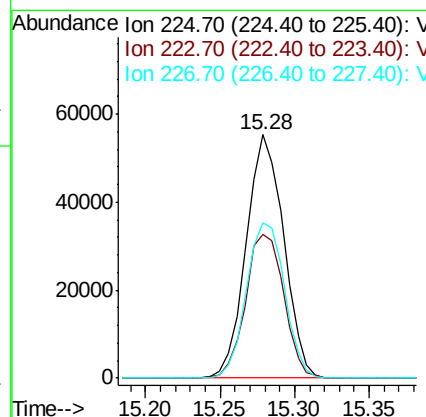
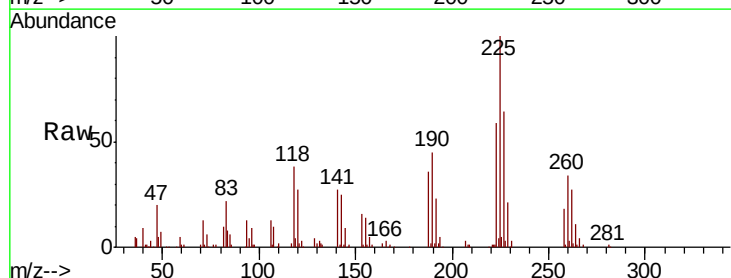
Manual Integrations
 APPROVED

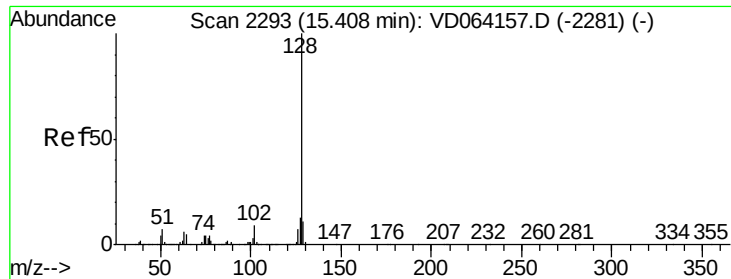
MMDadoda
 11/20/2019 9:56:48 AM



#94
 Hexachlorobutadiene
 Concen: 19.726 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064282.D
 Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	96048		
223	60.3	31.1	93.3	
227	64.9	31.5	94.5	





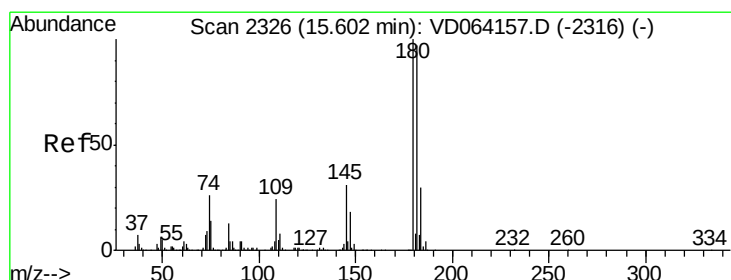
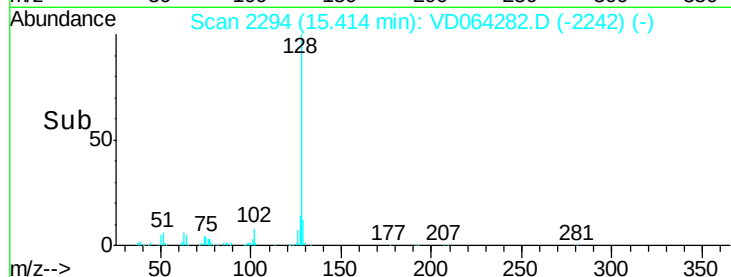
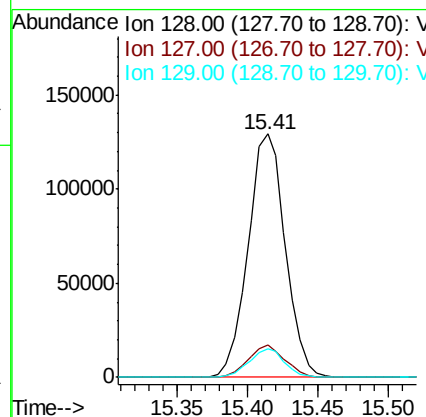
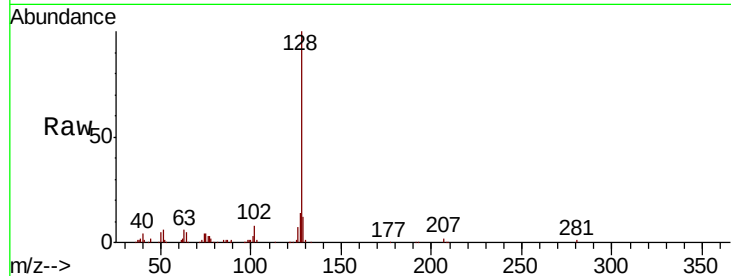
#95
Naphthalene
Concen: 19.307 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Instrument :
MSVOA_D
ClientSampleId :
VD1119SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	238583		
127	13.0		10.5	15.7
129	11.2		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
11/20/2019 9:56:48 AM



#96
1,2,3-Trichlorobenzene
Concen: 19.676 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.01 min
Lab File: VD064282.D
Acq: 19 Nov 2019 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	126083		
182	94.5		48.3	144.9
145	28.9		15.3	45.8

