

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD121719\
 Data File : VD064538.D
 Acq On : 17 Dec 2019 11:50
 Operator : VA/SY
 Sample : VD1217SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/18/2019 1:00:43 PM

Quant Time: Dec 18 03:01:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	422986	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	623356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	548432	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	263469	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	188679	49.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.56%	
35) Dibromofluoromethane	7.91	113	198642	50.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.16%	
50) Toluene-d8	10.34	98	743539	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
62) 4-Bromofluorobenzene	12.64	95	238653	50.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	78092	20.375	ug/l	98
3) Chloromethane	2.21	50	97035	20.073	ug/l	99
4) Vinyl Chloride	2.35	62	118719	21.270	ug/l	96
5) Bromomethane	2.76	94	81540	19.755	ug/l	99
6) Chloroethane	2.93	64	80006	21.446	ug/l	98
7) Trichlorofluoromethane	3.27	101	208254	22.444	ug/l	98
8) Diethyl Ether	3.71	74	38262	19.844	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	86319	21.697	ug/l	98
10) Methyl Iodide	4.30	142	83442	19.861	ug/l	99
11) Tert butyl alcohol	5.25	59	24754	101.570	ug/l #	100
12) 1,1-Dichloroethene	4.06	96	82147	21.546	ug/l	96
13) Acrolein	3.92	56	23425	70.468	ug/l	98
14) Allyl chloride	4.71	41	126029	21.181	ug/l	97
15) Acrylonitrile	5.43	53	80104	95.006	ug/l	98
16) Acetone	4.16	43	77972	100.779	ug/l	98
17) Carbon Disulfide	4.40	76	249827	20.690	ug/l	98
18) Methyl Acetate	4.73	43	43341	19.205	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	166927	19.087	ug/l	100
20) Methylene Chloride	4.96	84	87667	19.597	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	90522	20.990	ug/l	98
22) Diisopropyl ether	6.37	45	240458	20.471	ug/l	96
23) Vinyl Acetate	6.31	43	664417	95.948	ug/l	100
24) 1,1-Dichloroethane	6.26	63	149471	21.160	ug/l	96
25) 2-Butanone	7.22	43	101264	92.549	ug/l	98
26) 2,2-Dichloropropane	7.21	77	140745	22.911	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	100432	21.361	ug/l	100
28) Bromochloromethane	7.55	49	37992	15.738	ug/l	97
29) Tetrahydrofuran	7.57	42	63556	91.299	ug/l	97
30) Chloroform	7.71	83	154598	21.132	ug/l	96
31) Cyclohexane	7.99	56	144191	20.691	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	144497	21.304	ug/l	99
36) 1,1-Dichloropropene	8.11	75	122952	20.853	ug/l	99
37) Ethyl Acetate	7.30	43	45904	18.348	ug/l	98
38) Carbon Tetrachloride	8.09	117	135907	21.840	ug/l	93

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 Quant Title : SW846 8260
 QLast Update : Fri Nov 29 07:18:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	148782	20.343	ug/l	97
40) Benzene	8.35	78	340957	20.821	ug/l	99
41) Methacrylonitrile	7.53	41	27727	19.325	ug/l	94
42) 1,2-Dichloroethane	8.43	62	96649	20.238	ug/l	100
43) Isopropyl Acetate	8.46	43	91240	18.548	ug/l	99
44) Trichloroethene	9.11	130	100977	20.470	ug/l	97
45) 1,2-Dichloropropane	9.38	63	83489	21.318	ug/l	91
46) Dibromomethane	9.48	93	43858	19.841	ug/l	99
47) Bromodichloromethane	9.66	83	118838	20.924	ug/l	99
48) Methyl methacrylate	9.46	41	45515	20.220	ug/l	90
49) 1,4-Dioxane	9.47	88	9792	358.740	ug/l #	84
51) 4-Methyl-2-Pentanone	10.23	43	223658	91.892	ug/l	100
52) Toluene	10.40	92	220867	20.695	ug/l	99
53) t-1,3-Dichloropropene	10.62	75	109856	20.295	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	128987	20.059	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	59392	19.623	ug/l	97
56) Ethyl methacrylate	10.66	69	71050	18.405	ug/l	99
57) 1,3-Dichloropropane	10.95	76	103580	20.104	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	156295	101.563	ug/l	100
59) 2-Hexanone	10.98	43	153942	91.151	ug/l	100
60) Dibromochloromethane	11.14	129	79573	19.390	ug/l	97
61) 1,2-Dibromoethane	11.25	107	57557	19.046	ug/l	98
64) Tetrachloroethene	10.88	164	87343	20.884	ug/l	96
65) Chlorobenzene	11.67	112	233575	20.420	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	87665	20.703	ug/l	98
67) Ethyl Benzene	11.75	91	420934	20.683	ug/l	99
68) m/p-Xylenes	11.86	106	317001	40.851	ug/l	98
69) o-Xylene	12.18	106	143125	19.971	ug/l	96
70) Styrene	12.20	104	254821	20.461	ug/l	99
71) Bromoform	12.37	173	48184	19.020	ug/l #	97
73) Isopropylbenzene	12.48	105	404027	21.322	ug/l	100
74) N-amyl acetate	12.29	43	80237	18.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	59984	19.142	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	38092m	17.581	ug/l	
77) Bromobenzene	12.77	156	97659	20.870	ug/l	99
78) n-propylbenzene	12.83	91	467954	21.403	ug/l	100
79) 2-Chlorotoluene	12.91	91	252888	21.021	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	321420	20.757	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	19302	19.425	ug/l	98
82) 4-Chlorotoluene	13.01	91	265434	20.839	ug/l	100
83) tert-Butylbenzene	13.23	119	286596	21.289	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	323368	20.768	ug/l	100
85) sec-Butylbenzene	13.41	105	389532	21.082	ug/l	100
86) p-Isopropyltoluene	13.53	119	357768	20.510	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	181162	20.398	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	178626	20.371	ug/l	98
89) n-Butylbenzene	13.86	91	332784	21.008	ug/l	100
90) Hexachloroethane	14.12	117	68108	20.875	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	154083	20.300	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9682	17.862	ug/l	91

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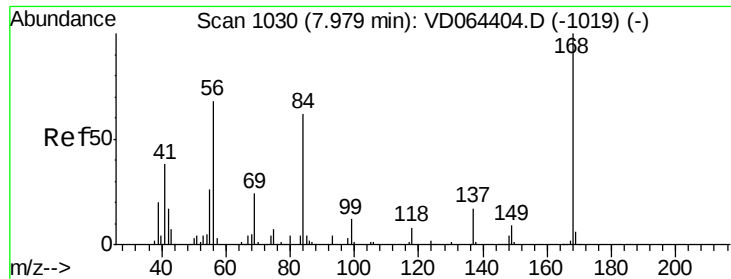
Manual Integrations
APPROVED

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12/18/2019 1:00:43 PM

Quant Time: Dec 18 03:01:11 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112719S.M
Quant Title : SW846 8260
QLast Update : Fri Nov 29 07:18:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115260	19.828	ug/l	98
94) Hexachlorobutadiene	15.28	225	73582	20.505	ug/l	98
95) Naphthalene	15.41	128	179444	18.497	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94801	19.106	ug/l	99

(#) = 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. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion:168 Resp: 422986

Ion Ratio Lower Upper

168 100

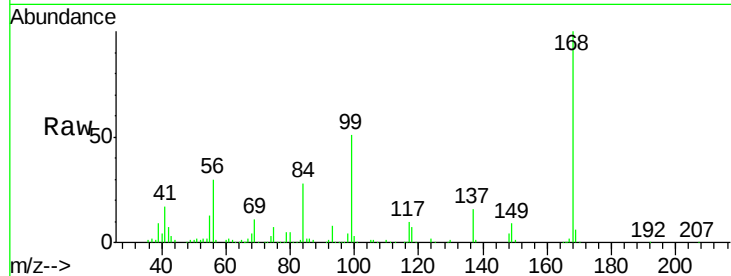
99 51.2 40.7 61.1

Manual Integrations

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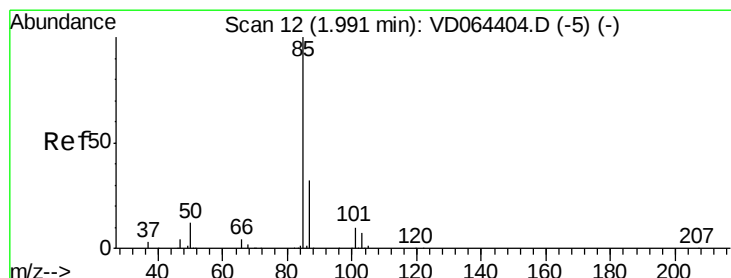
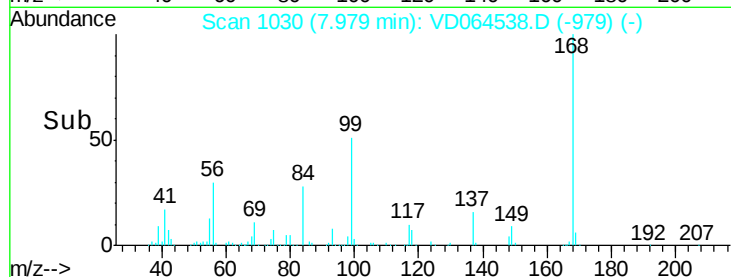
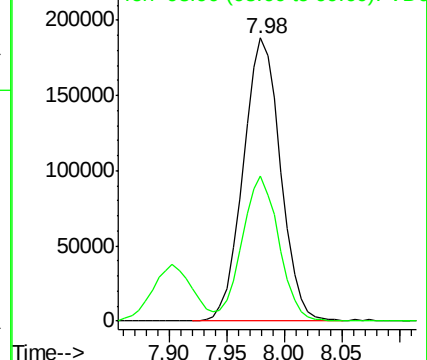
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.375 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD064538.D

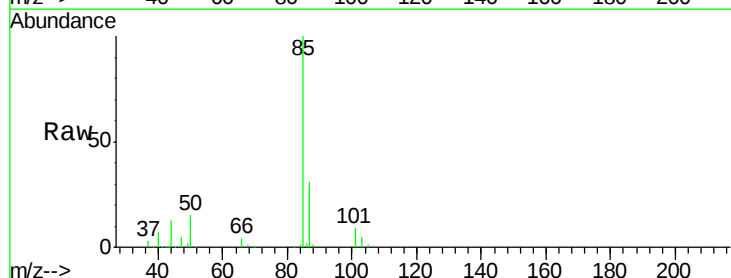
Acq: 17 Dec 2019 11:50

Tgt Ion: 85 Resp: 78092

Ion Ratio Lower Upper

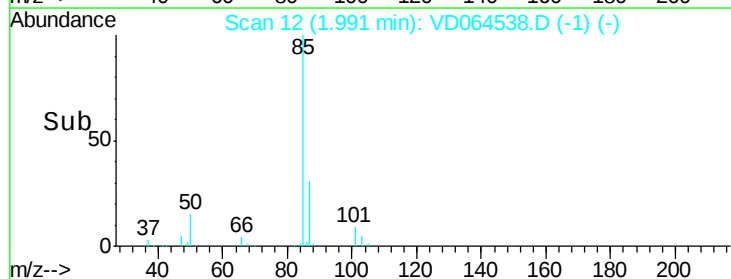
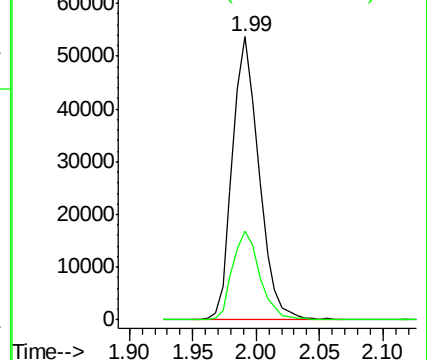
85 100

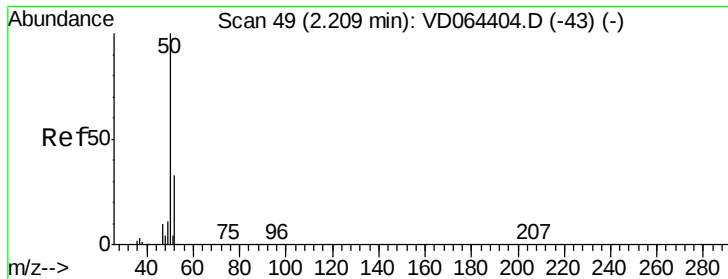
87 31.2 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.073 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 50 Resp: 97035

Ion Ratio Lower Upper

50 100

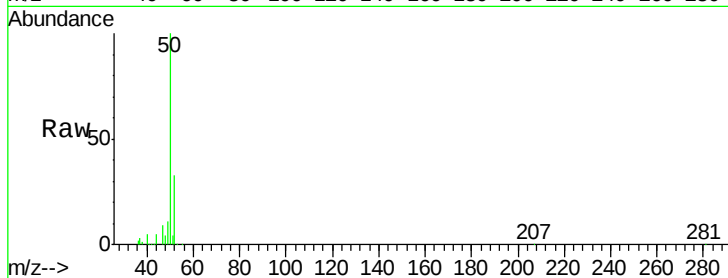
52 32.6 26.7 40.1

Manual Integrations

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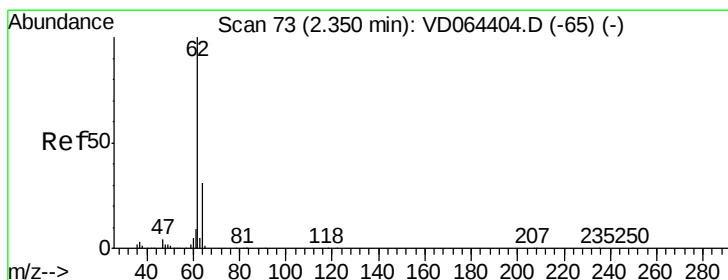
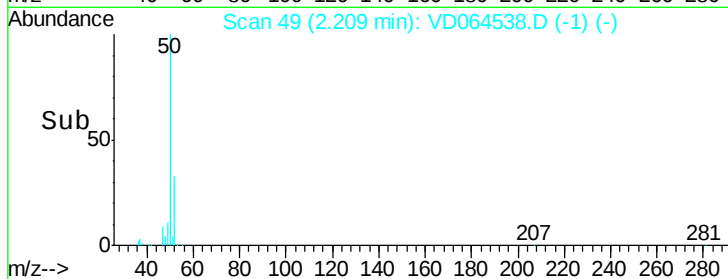
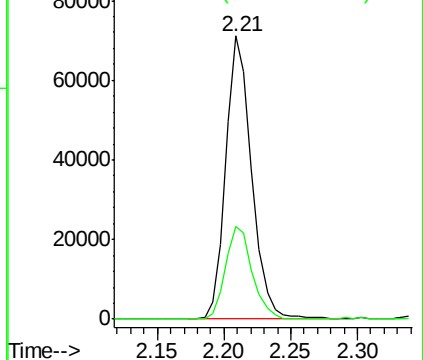
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.270 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064538.D

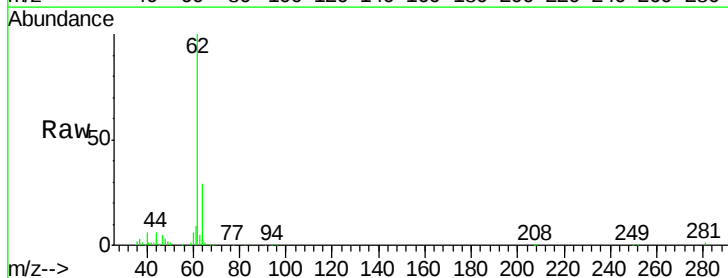
Acq: 17 Dec 2019 11:50

Tgt Ion: 62 Resp: 118719

Ion Ratio Lower Upper

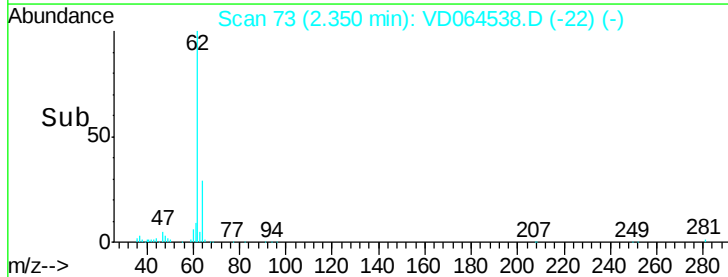
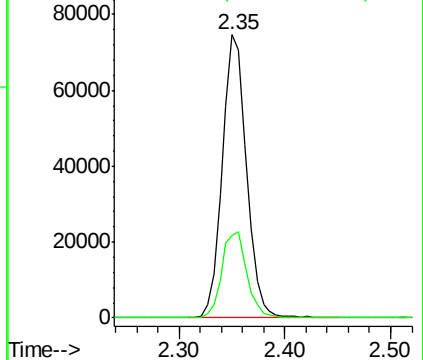
62 100

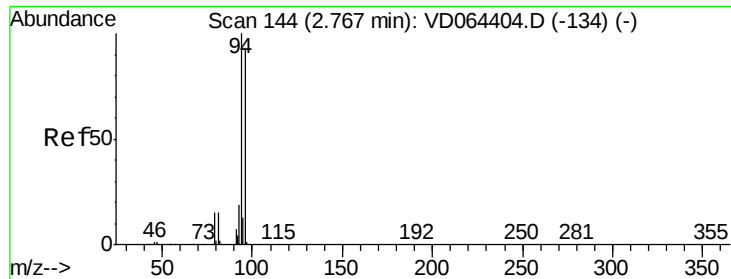
64 29.1 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.755 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 94 Resp: 81540

Ion Ratio Lower Upper

94 100

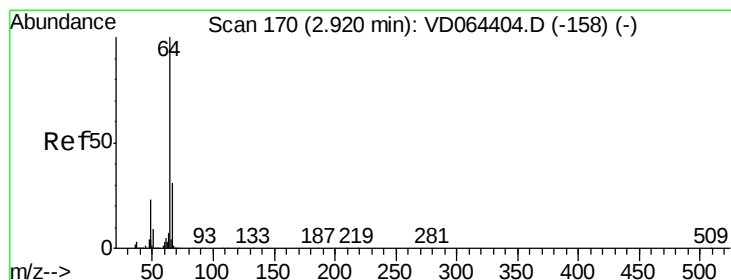
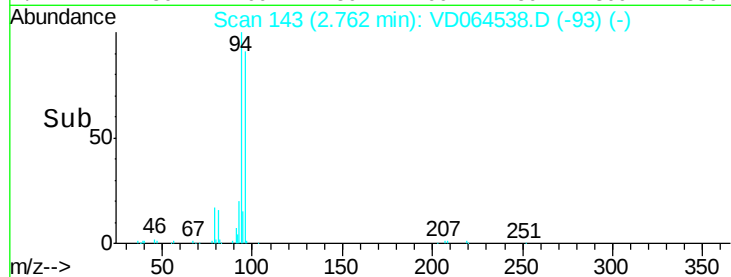
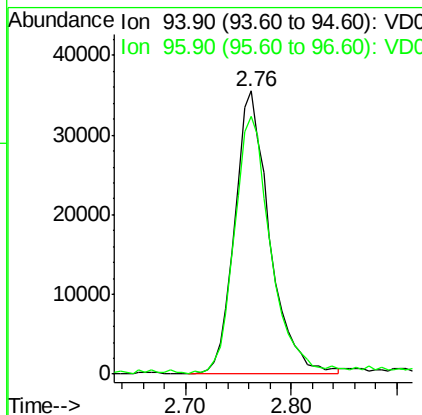
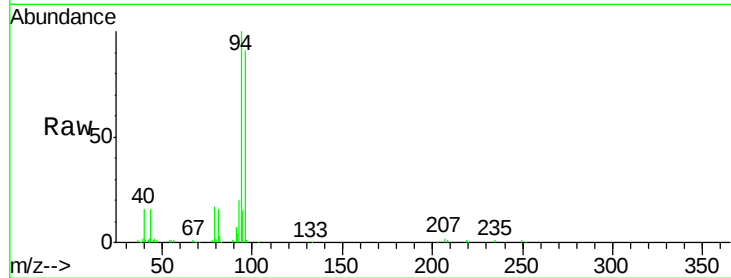
96 90.9 73.6 110.4

Manual Integrations

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#6

Chloroethane

Concen: 21.446 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064538.D

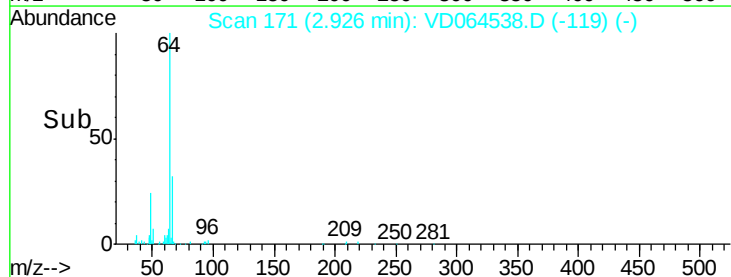
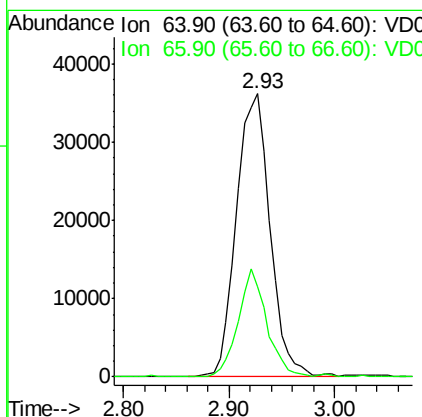
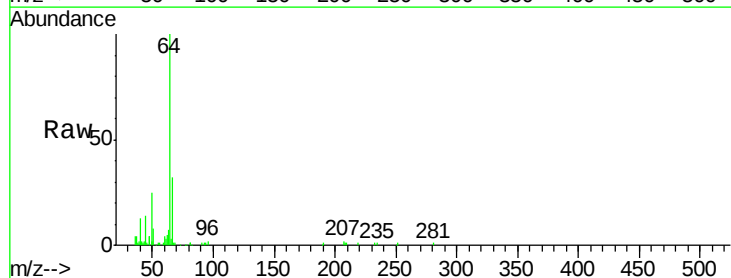
Acq: 17 Dec 2019 11:50

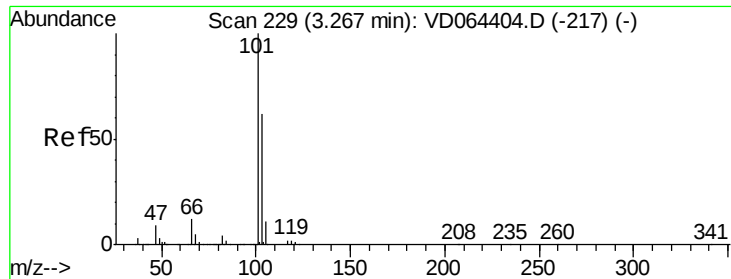
Tgt Ion: 64 Resp: 80006

Ion Ratio Lower Upper

64 100

66 31.7 24.6 37.0





#7

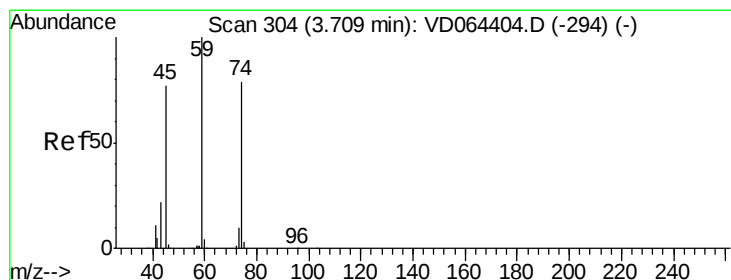
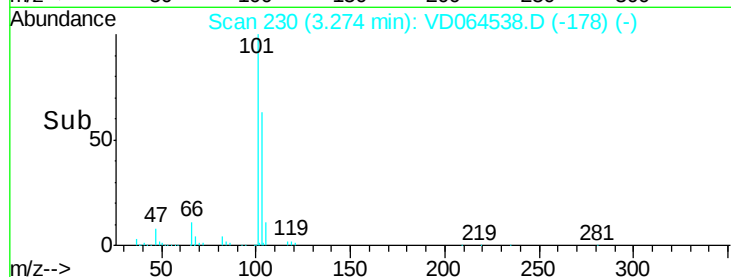
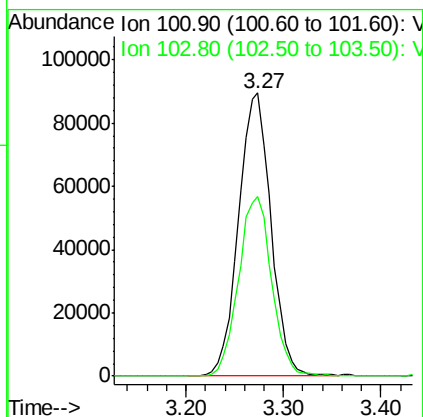
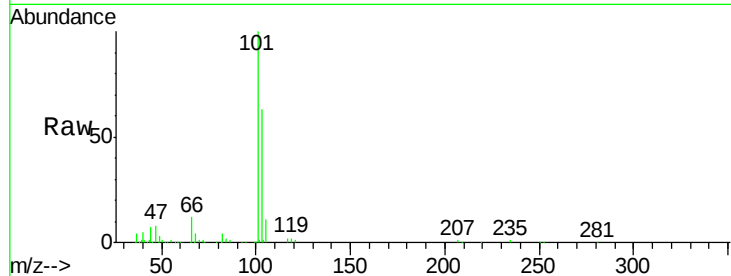
Trichlorofluoromethane
 Concen: 22.444 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
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 VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	208254		
103	63.5	49.8	74.6	

Manual Integrations
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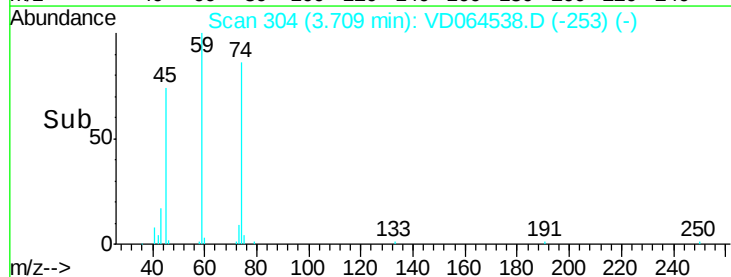
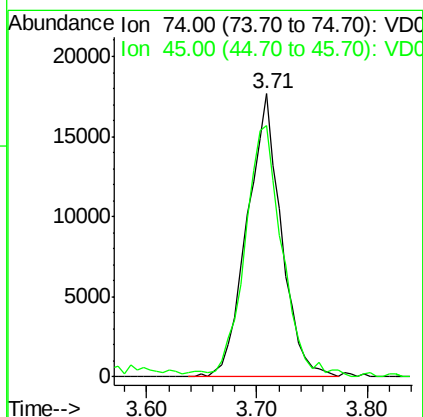
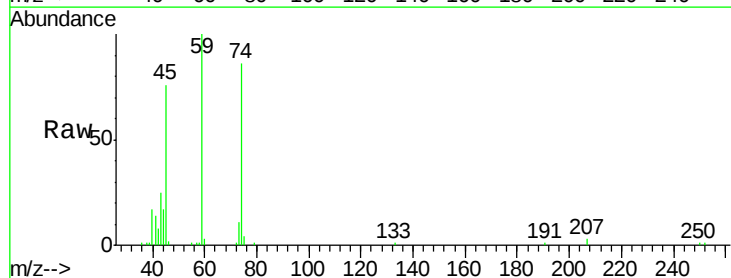
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 12/18/2019 1:00:43 PM

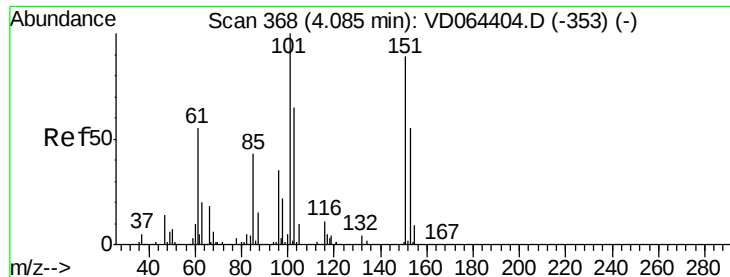


#8

Diethyl Ether
 Concen: 19.844 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	38262		
45	97.1	48.6	145.9	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.697 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

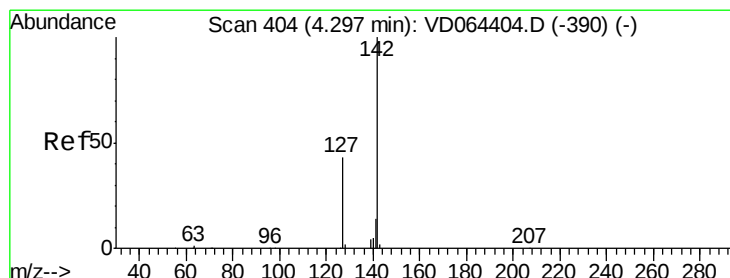
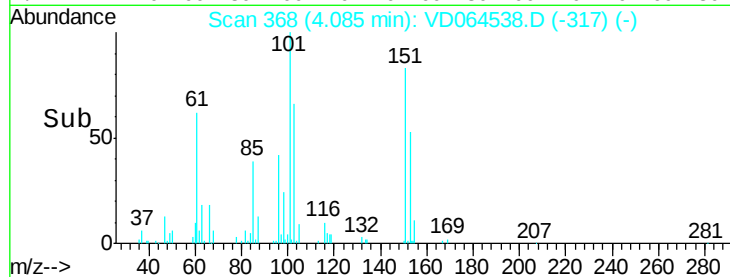
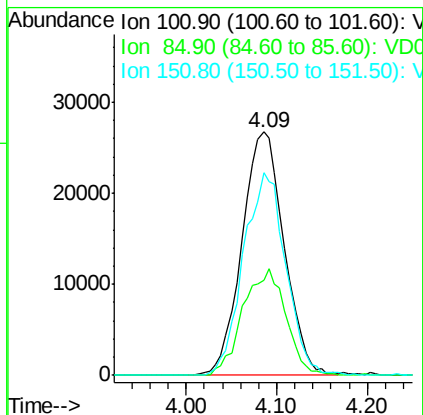
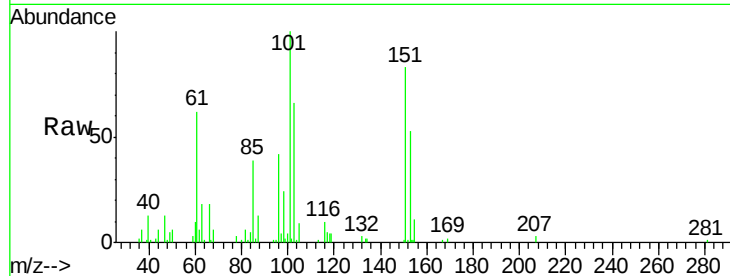
ClientSampleId :

VD1217SBS01

Tot Ion:	101	Resp:	86319
Ion Ratio	Lower	Upper	
101	100		
85	44.6	34.8	52.2
151	83.9	68.8	103.2

Manual Integrations
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#10

Methyl Iodide

Concen: 19.861 ug/l

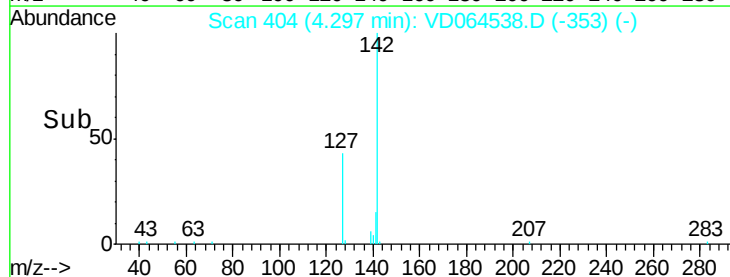
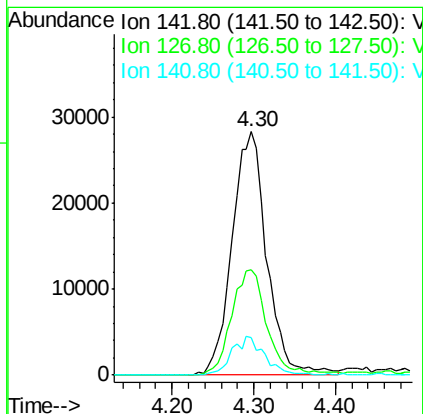
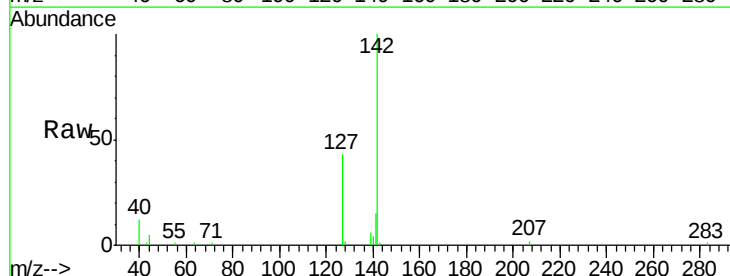
RT: 4.30 min Scan# 404

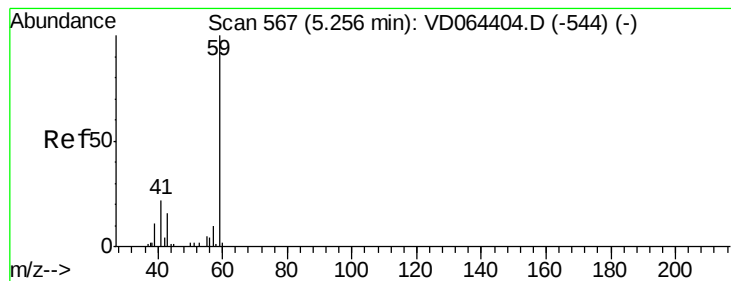
Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion:	142	Resp:	83442
Ion Ratio	Lower	Upper	
142	100		
127	43.4	35.3	52.9
141	14.9	11.6	17.4





#11

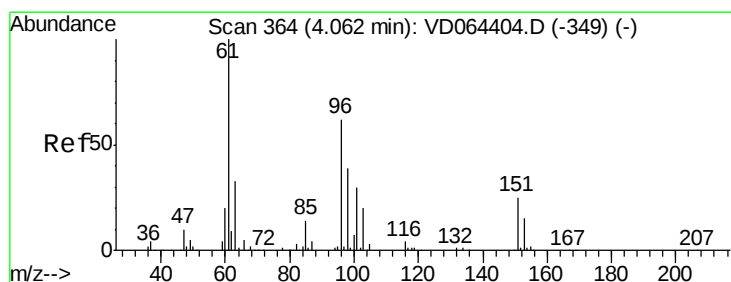
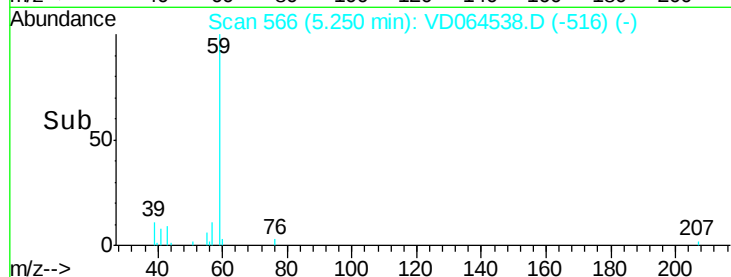
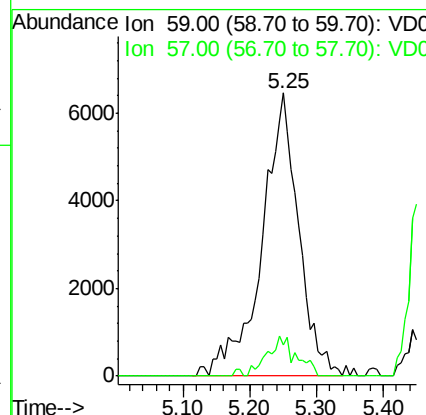
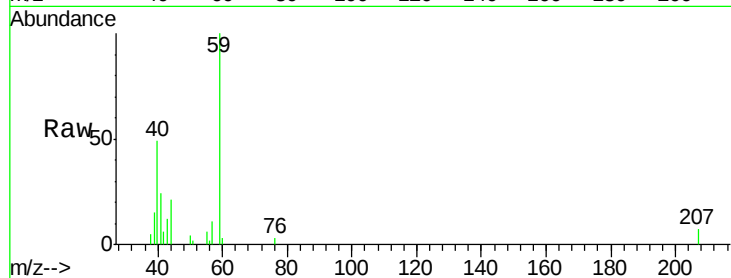
Tert butyl alcohol
Concen: 101.570 ug/l
RT: 5.25 min Scan# 566
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 59 Resp: 24754
Ion Ratio Lower Upper
59 100
57 11.0 0.0 0.0#

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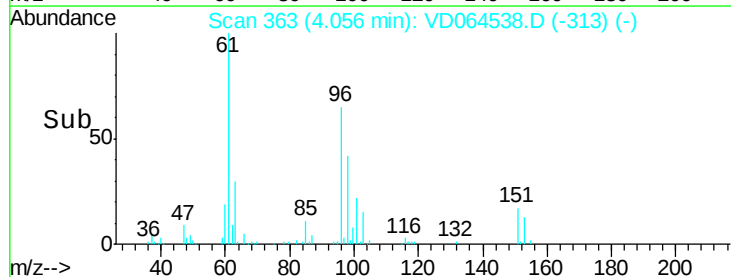
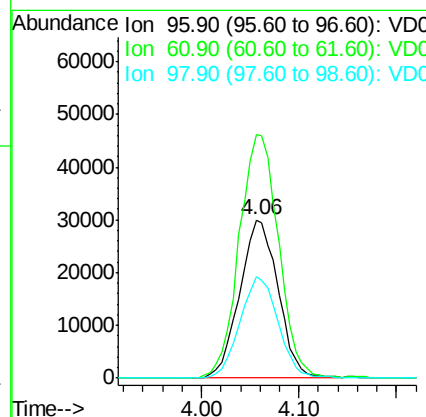
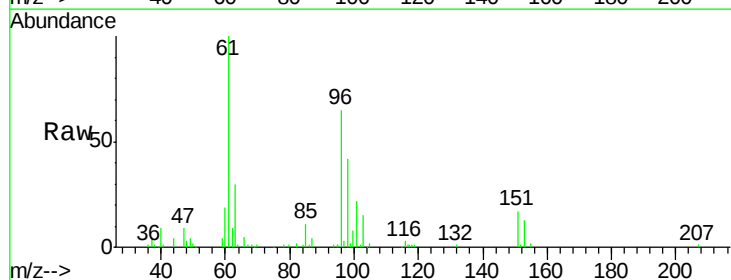
MMDadoda
12/18/2019 1:00:43 PM

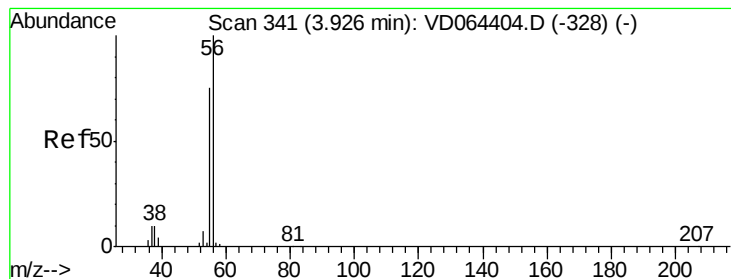


#12

1,1-Dichloroethene
Concen: 21.546 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 96 Resp: 82147
Ion Ratio Lower Upper
96 100
61 154.2 128.2 192.4
98 64.3 50.4 75.6





#13

Acrolein

Concen: 70.468 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 56 Resp: 23425

Ion Ratio Lower Upper

56 100

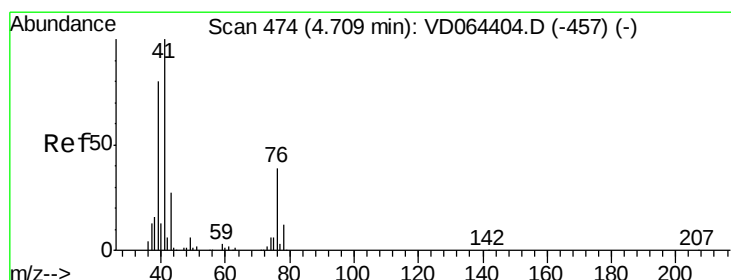
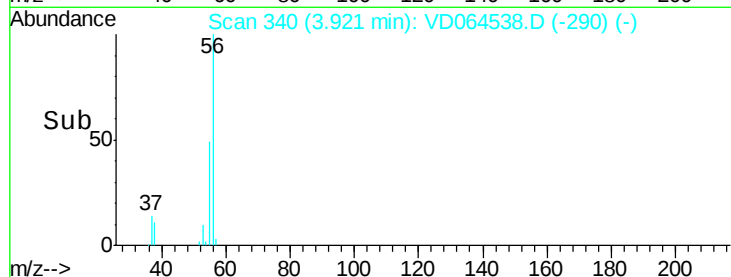
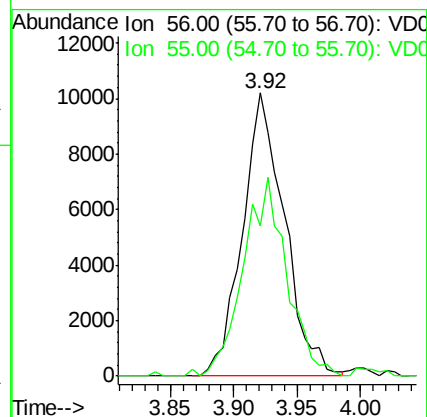
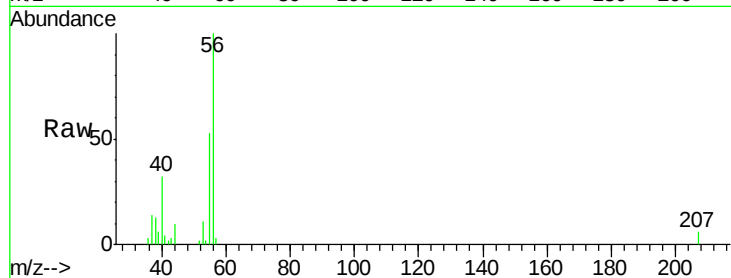
55 72.9 56.9 85.3

Manual Integrations

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#14

Allyl chloride

Concen: 21.181 ug/l

RT: 4.71 min Scan# 474

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

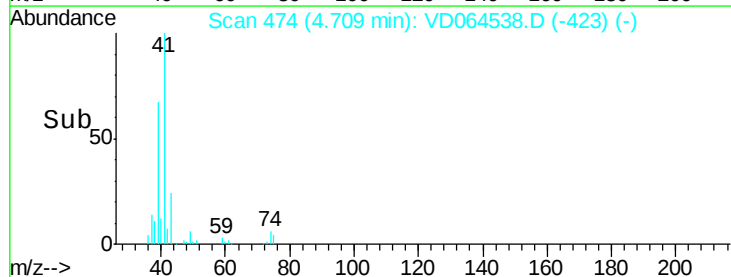
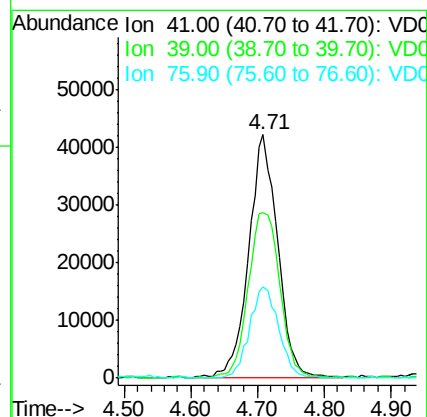
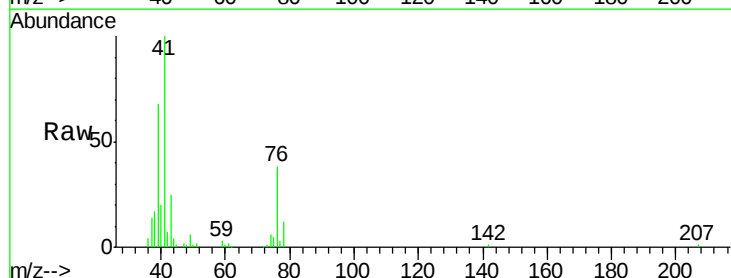
Tgt Ion: 41 Resp: 126029

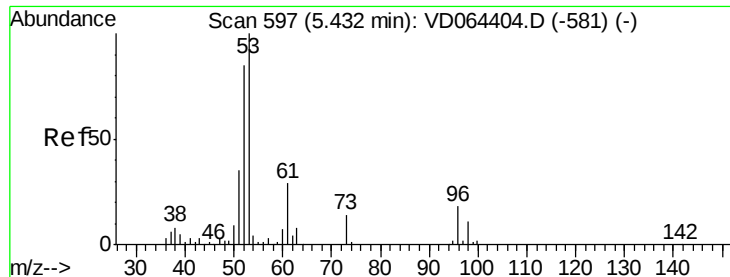
Ion Ratio Lower Upper

41 100

39 74.5 62.1 93.1

76 37.7 29.8 44.8





#15

Acrylonitrile

Concen: 95.006 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

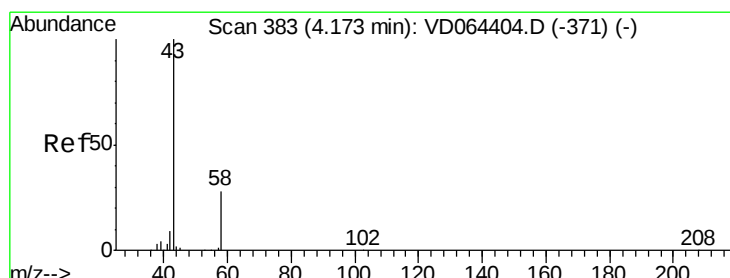
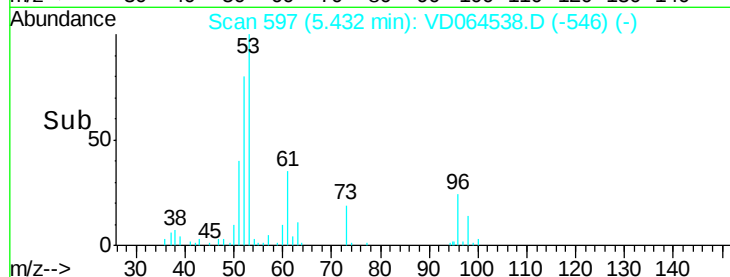
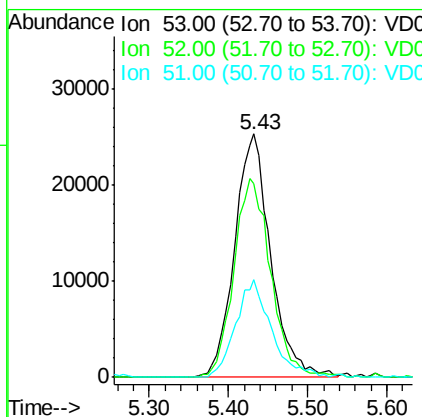
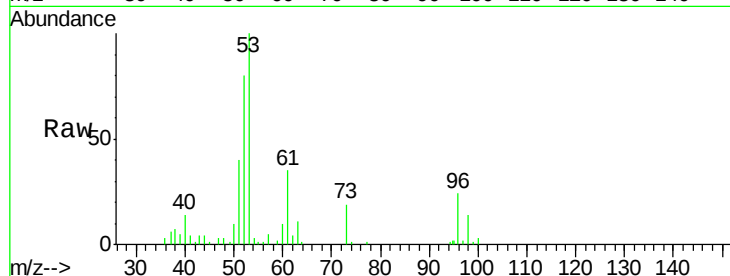
ClientSampleId :

VD1217SBS01

Tot Ion:	53	Resp:	80104
Ion Ratio		Lower	Upper
53	100		
52	83.5	67.9	101.9
51	39.3	30.6	45.8

Manual Integrations
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#16

Acetone

Concen: 100.779 ug/l

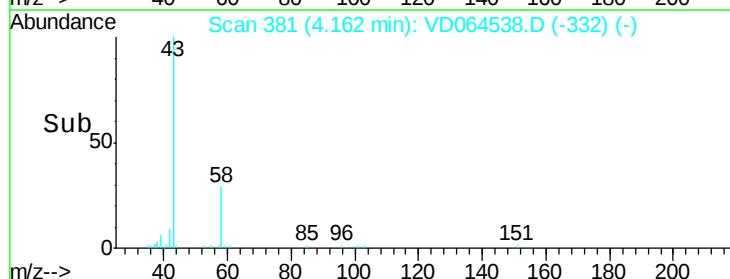
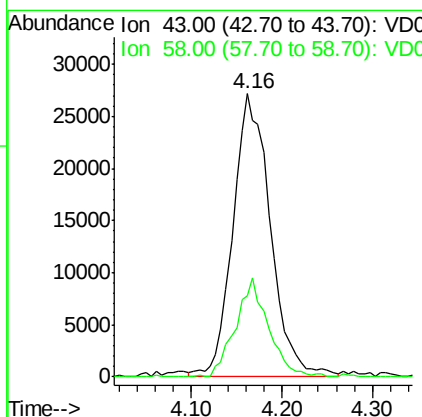
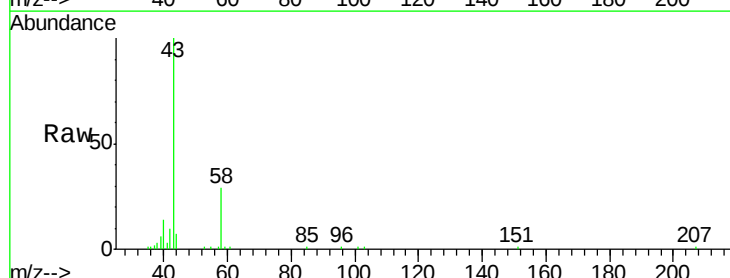
RT: 4.16 min Scan# 381

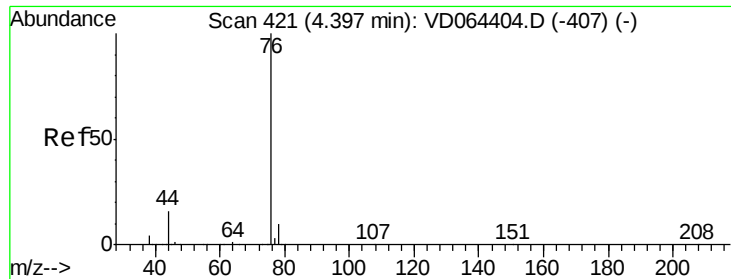
Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion:	43	Resp:	77972
Ion Ratio		Lower	Upper
43	100		
58	29.2	22.6	33.8





#17

Carbon Disulfide

Concen: 20.690 ug/l

RT: 4.40 min Scan# 421

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 76 Resp: 249827

Ion Ratio Lower Upper

76 100

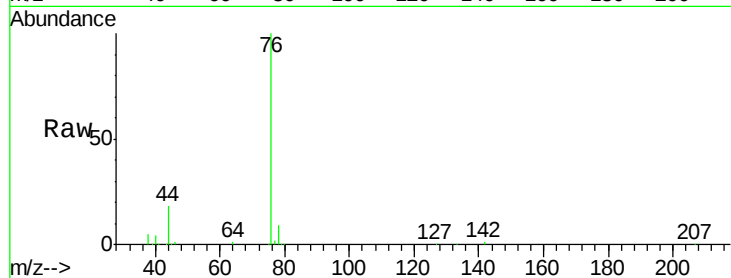
78 8.9 7.8 11.8

Manual Integrations

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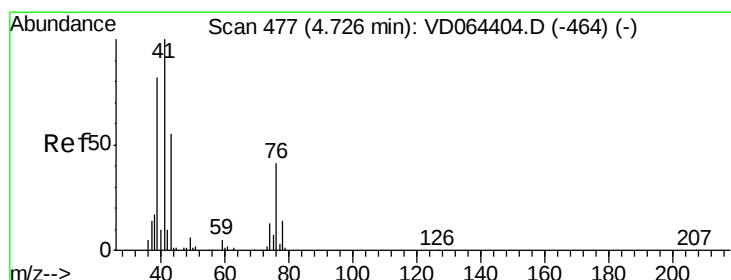
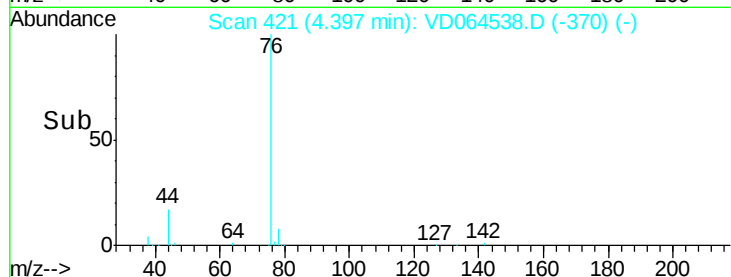
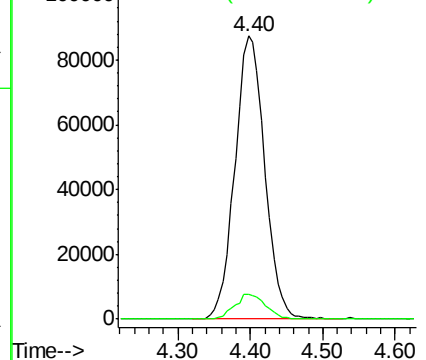
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 19.205 ug/l

RT: 4.73 min Scan# 478

Delta R.T. 0.01 min

Lab File: VD064538.D

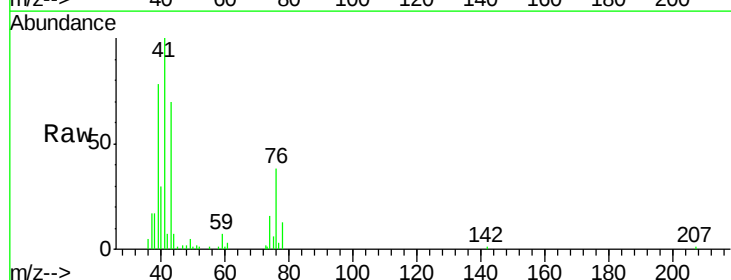
Acq: 17 Dec 2019 11:50

Tgt Ion: 43 Resp: 43341

Ion Ratio Lower Upper

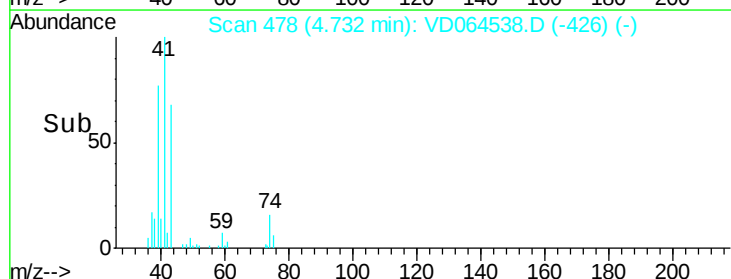
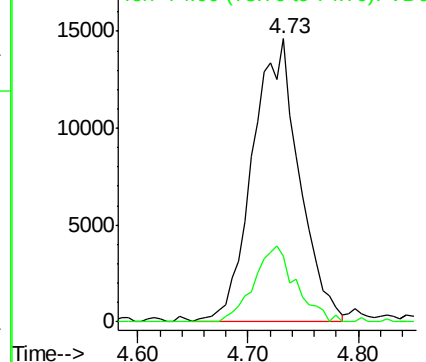
43 100

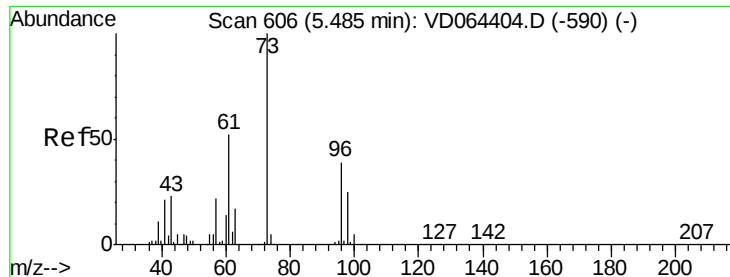
74 24.0 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





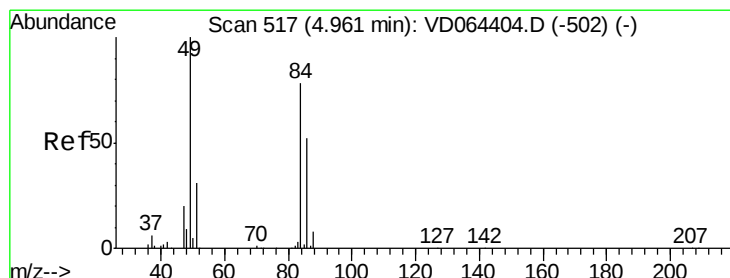
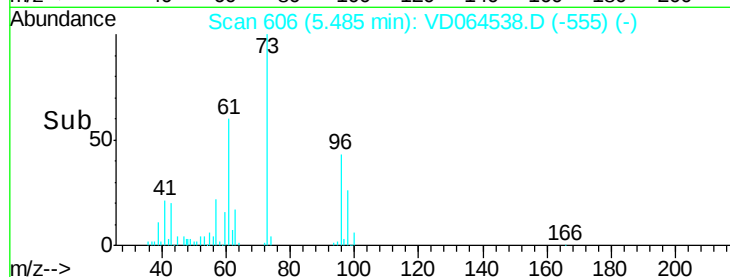
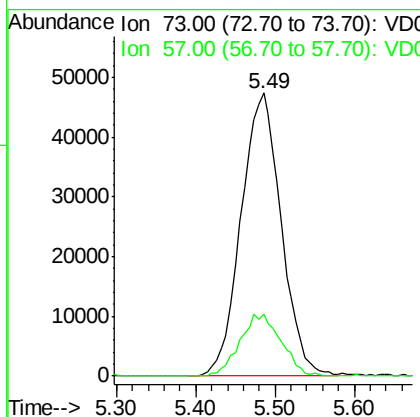
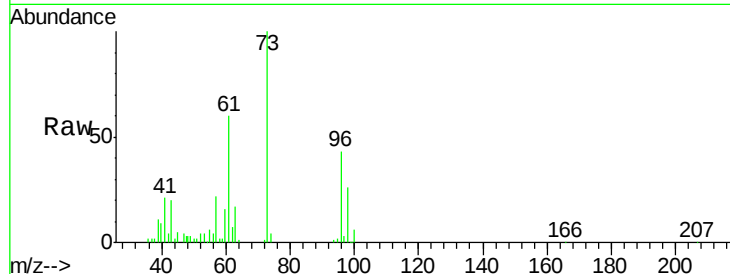
#19
Methvl tert-butvl Ether
Concen: 19.087 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 73 Resp: 166927
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

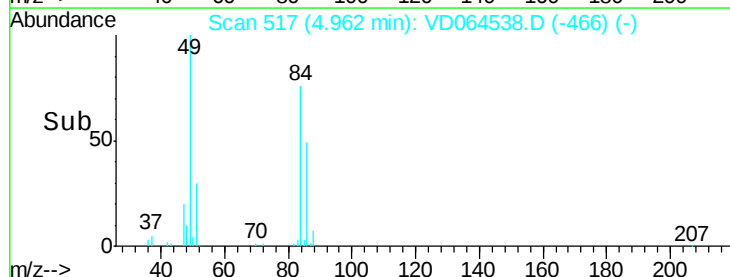
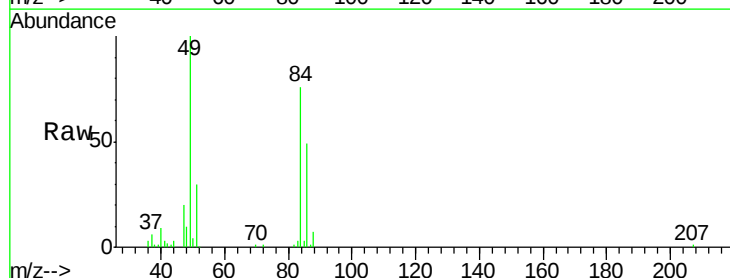
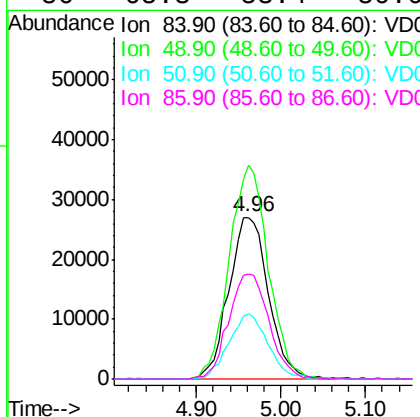
Manual Integrations
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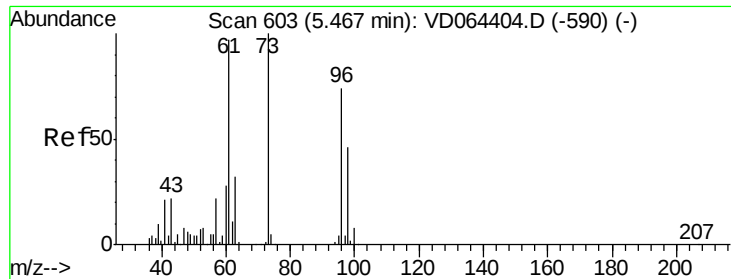
MMDadoda
12/18/2019 1:00:43 PM



#20
Methylene Chloride
Concen: 19.597 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 84 Resp: 87667
Ion Ratio Lower Upper
84 100
49 132.4 102.6 153.8
51 40.2 32.0 48.0
86 65.3 53.4 80.0





#21

trans-1,2-Dichloroethene

Concen: 20.990 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

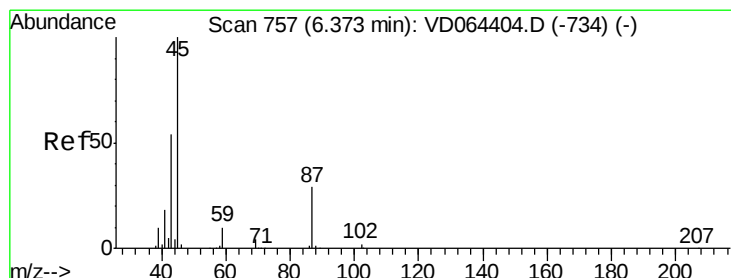
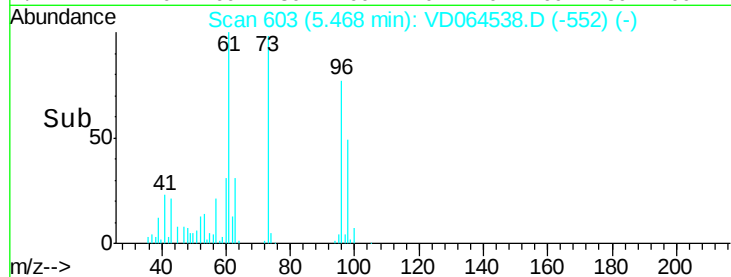
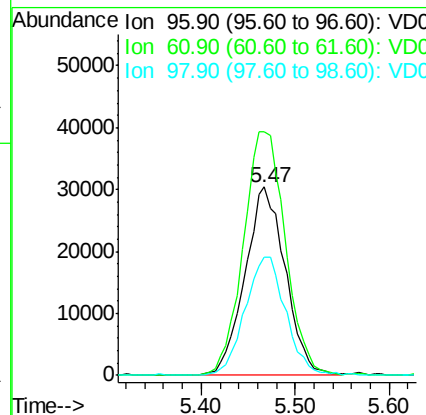
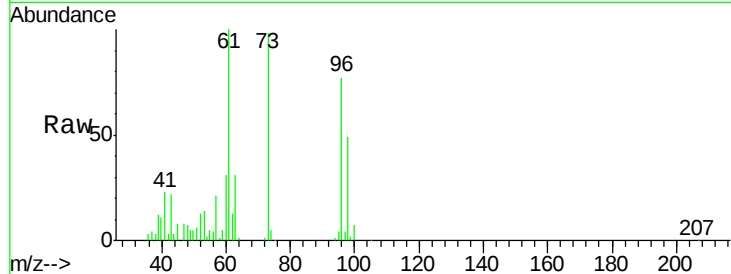
ClientSampleId :

VD1217SBS01

Tot Ion:	96	Resp:	90522
Ion	Ratio	Lower	Upper
96	100		
61	129.4	105.8	158.6
98	62.9	50.1	75.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.471 ug/l

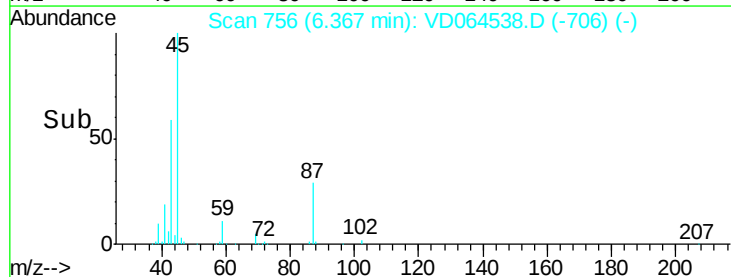
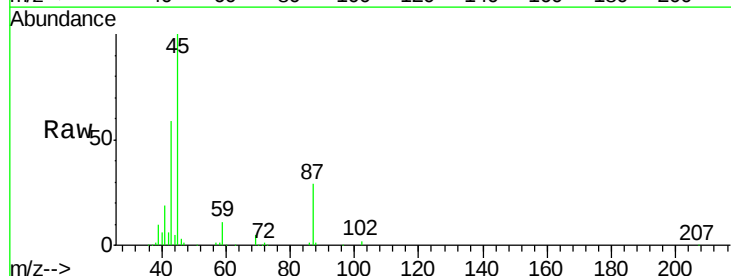
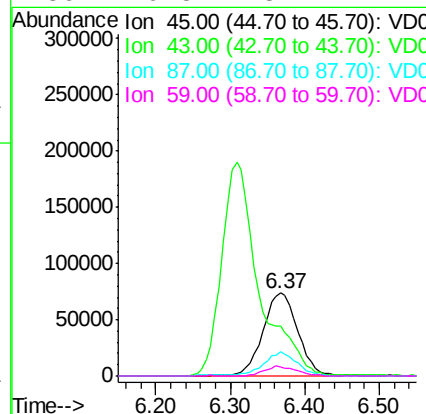
RT: 6.37 min Scan# 756

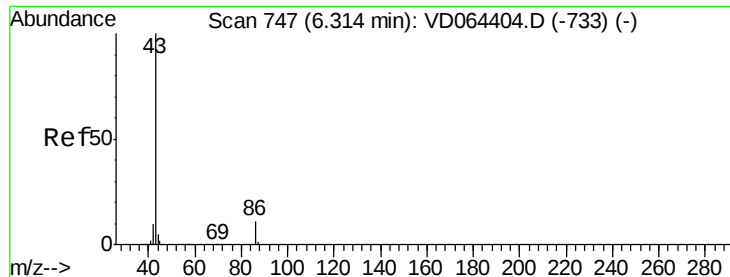
Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion:	45	Resp:	240458
Ion	Ratio	Lower	Upper
45	100		
43	58.7	43.1	64.7
87	28.6	23.5	35.3
59	10.8	8.2	12.2





#23

Vinyl Acetate

Concen: 95.948 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tot Ion	43	Resp	664417
Ion Ratio	100	Lower	Upper
43	100		
86	11.0	8.9	13.3

Instrument :

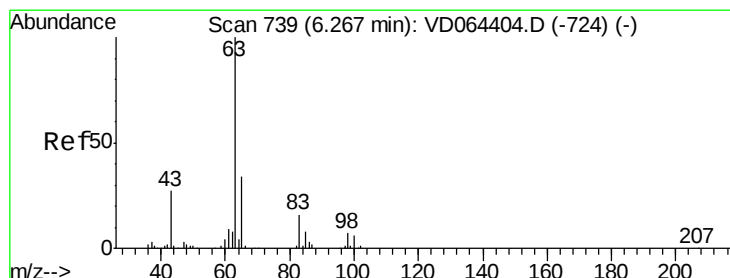
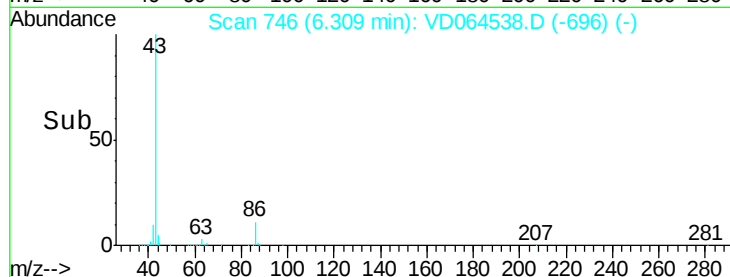
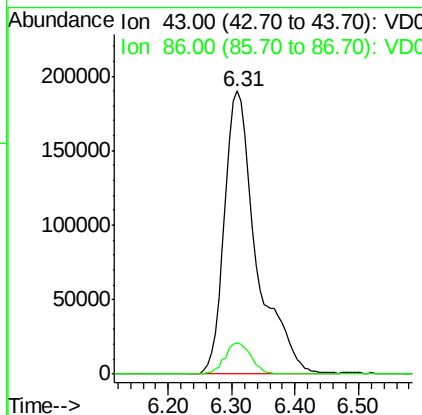
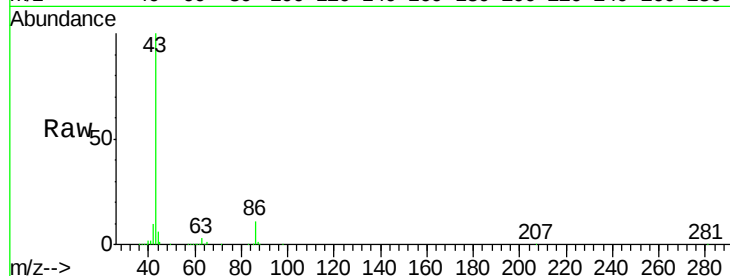
MSVOA_D

ClientSampleId :

VD1217SBS01

Manual Integrations
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MMDadoda
12/18/2019 1:00:43 PM



#24

1,1-Dichloroethane

Concen: 21.160 ug/l

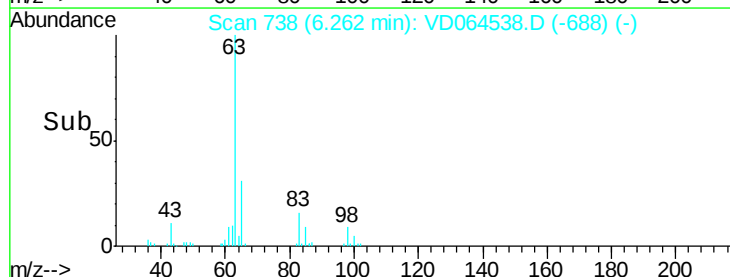
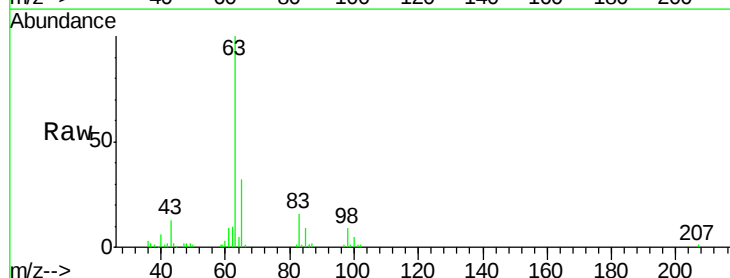
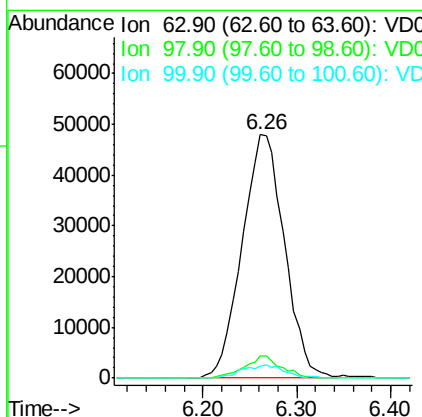
RT: 6.26 min Scan# 738

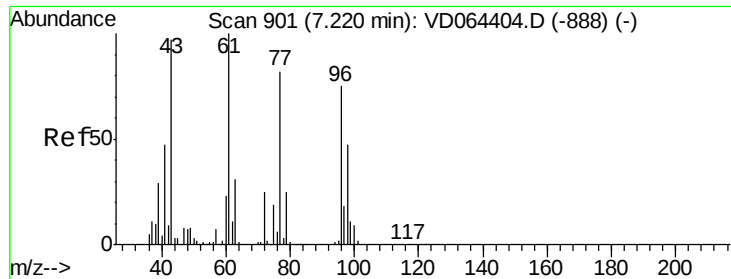
Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion	63	Resp	149471
Ion Ratio	100	Lower	Upper
63	100		
98	9.1	3.6	10.9
100	4.9	2.9	8.6





#25

2-Butanone

Concen: 92.549 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 43 Resp: 101264

Ion Ratio Lower Upper

43 100

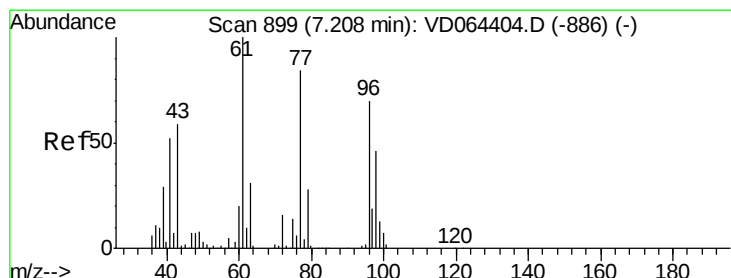
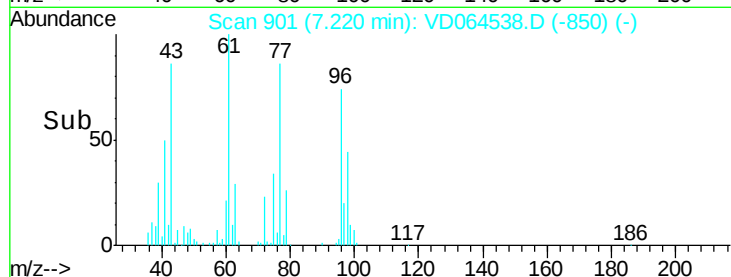
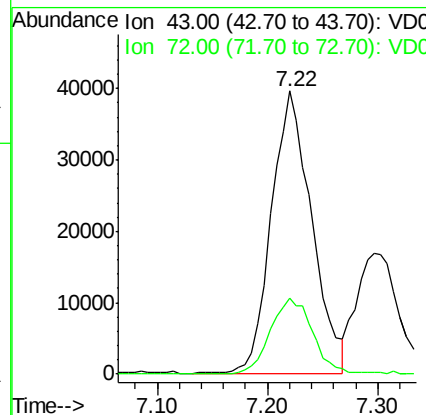
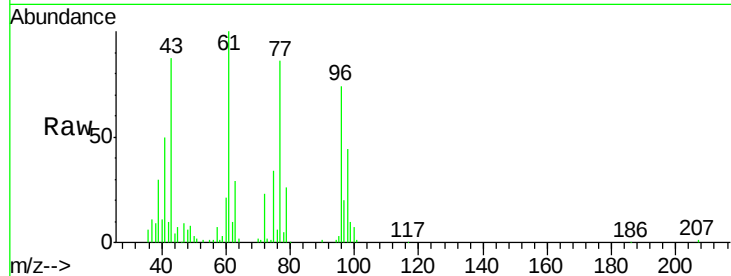
72 27.0 21.0 31.4

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#26

2,2-Dichloropropane

Concen: 22.911 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD064538.D

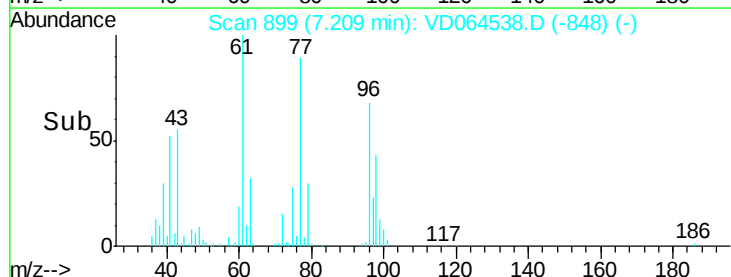
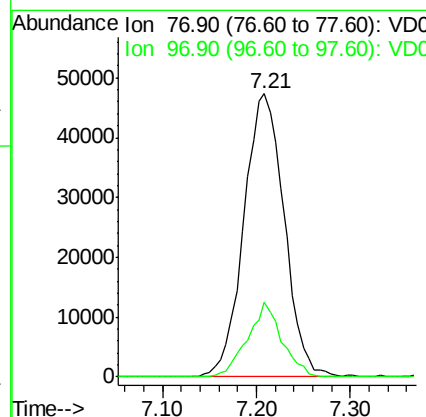
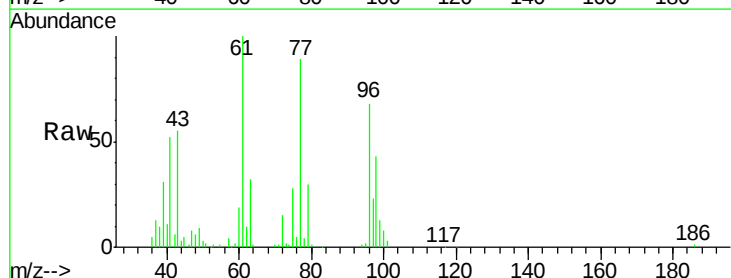
Acq: 17 Dec 2019 11:50

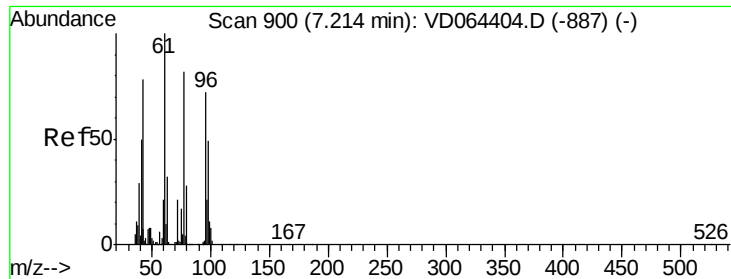
Tgt Ion: 77 Resp: 140745

Ion Ratio Lower Upper

77 100

97 22.4 11.6 34.7





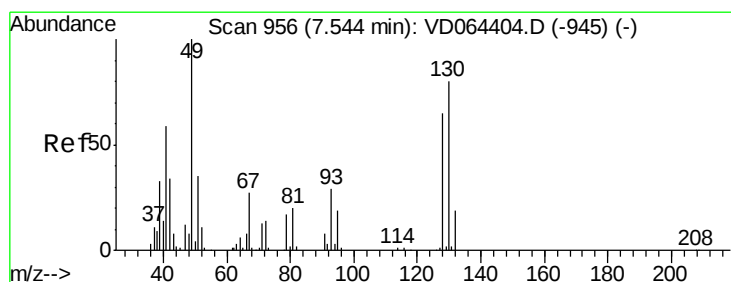
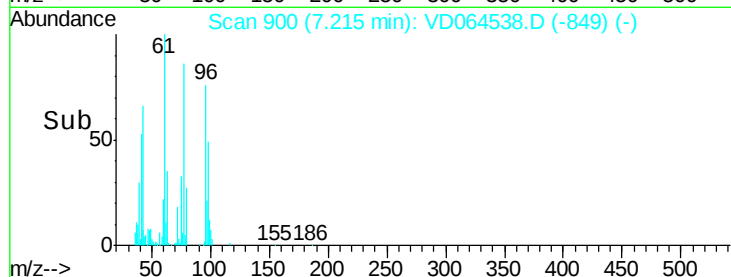
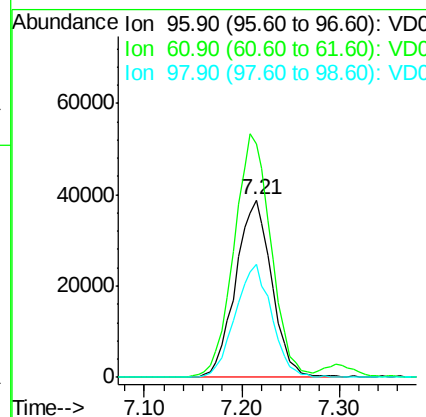
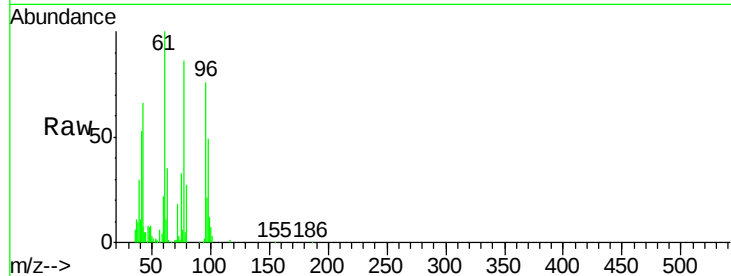
#27
 cis-1,2-Dichloroethene
 Concen: 21.361 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	100432		
61	139.8		0.0	279.6
98	64.1		0.0	129.2

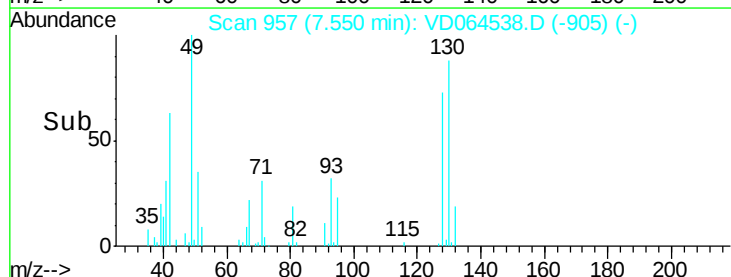
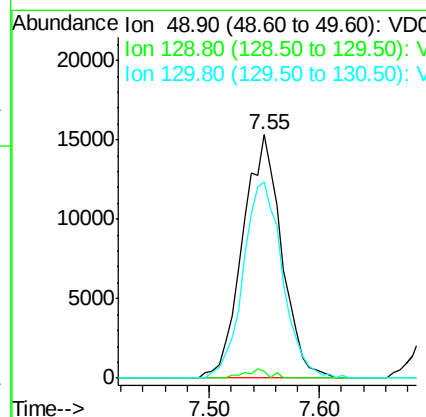
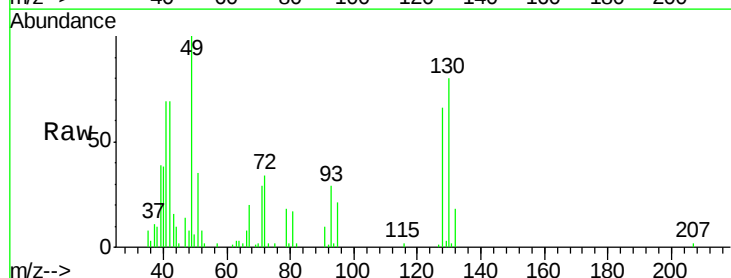
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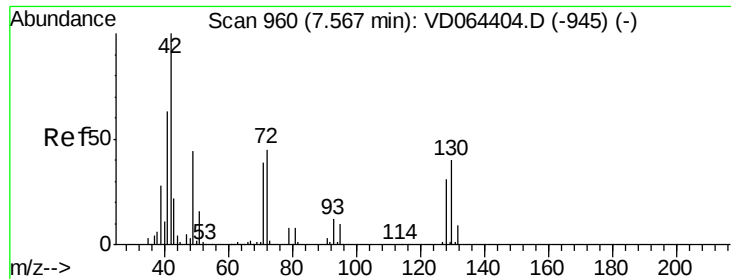
MMDadoda
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#28
 Bromochloromethane
 Concen: 15.738 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	37992		
129	2.1		0.0	4.4
130	81.7		67.4	101.0





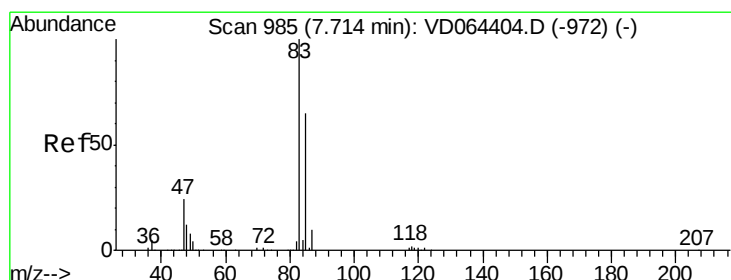
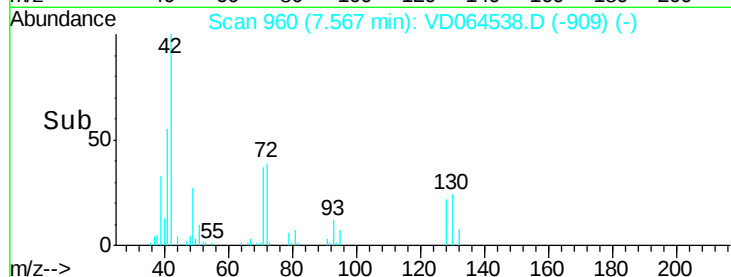
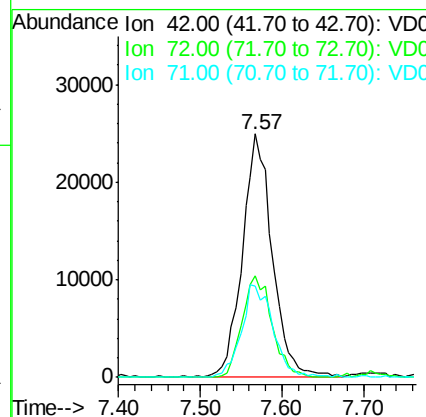
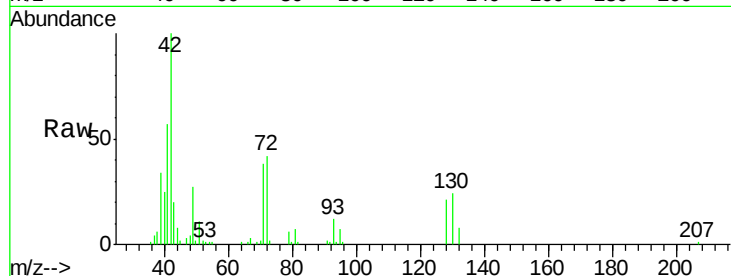
#29
Tetrahydrofuran
Concen: 91.299 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	35.8	53.8
71	40.1	32.7	49.1

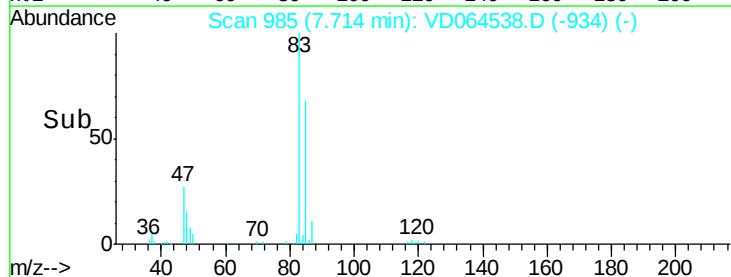
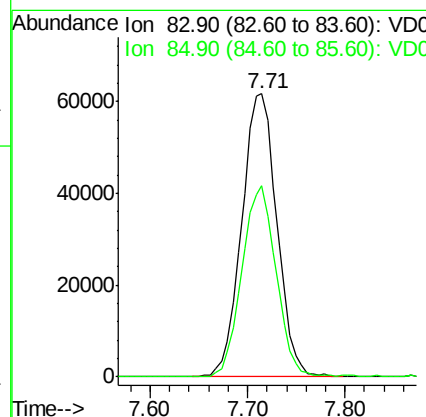
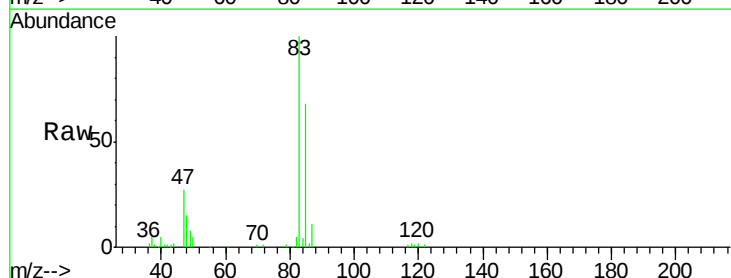
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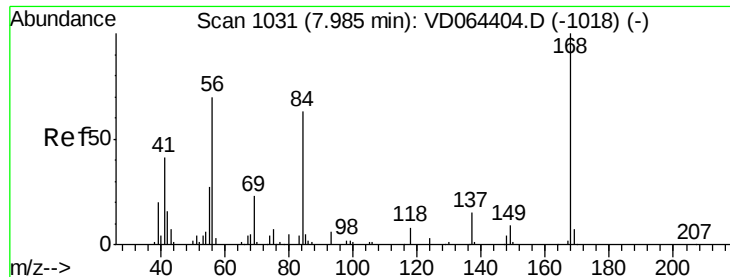
MMDadoda
12/18/2019 1:00:43 PM



#30
Chloroform
Concen: 21.132 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.7	51.8	77.6





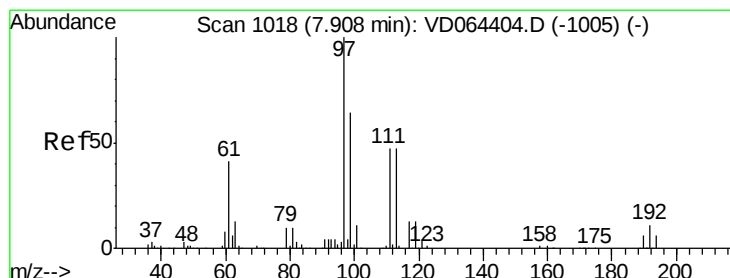
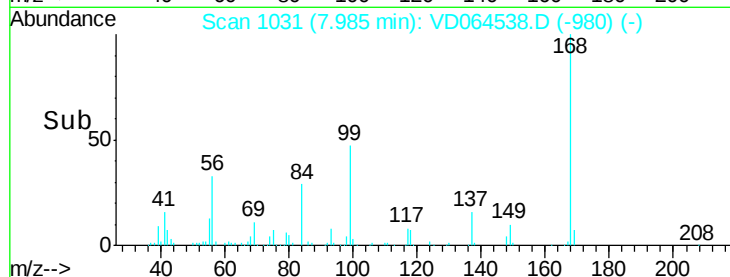
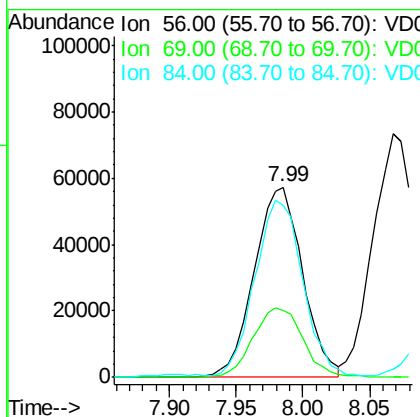
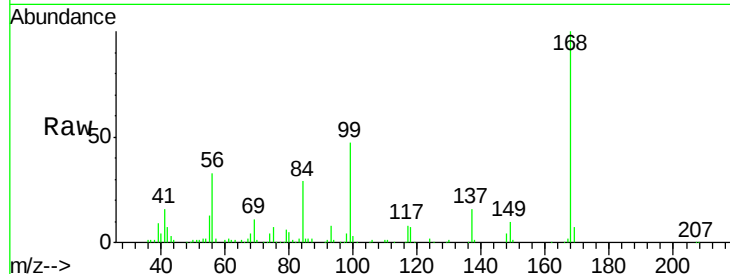
#31
Cyclohexane
Concen: 20.691 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	35.0	26.2	39.4	
84	89.3	70.3	105.5	

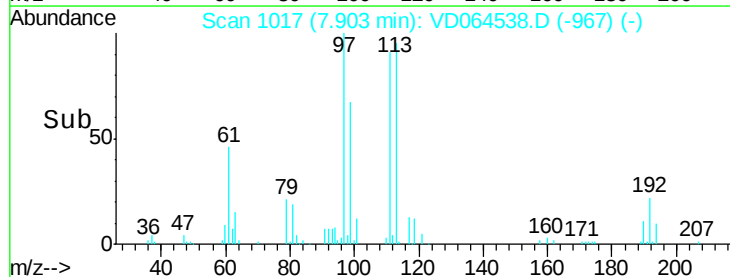
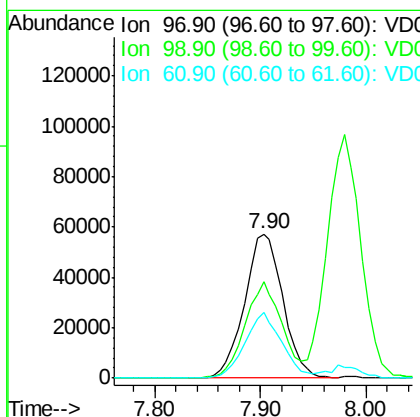
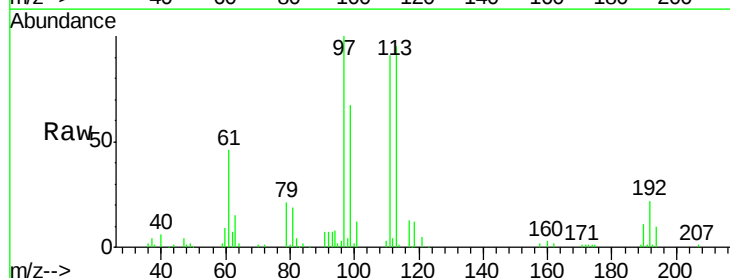
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#32
1,1,1-Trichloroethane
Concen: 21.304 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	63.6	51.4	77.2	
61	43.6	35.0	52.4	





#33

1,2-Dichloroethane-d4

Concen: 49.281 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 65 Resp: 188679

Ion Ratio Lower Upper

65 100

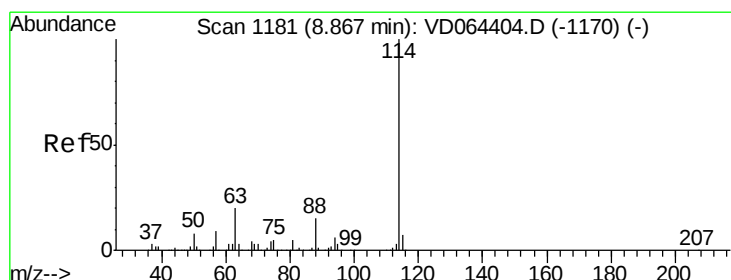
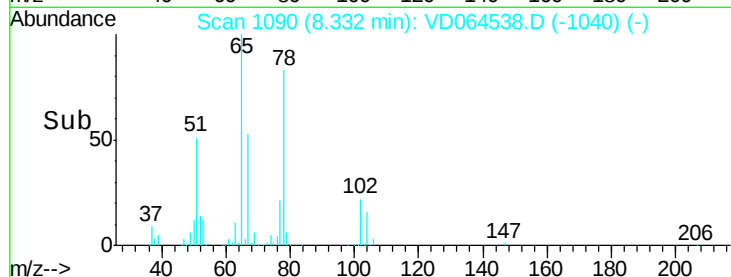
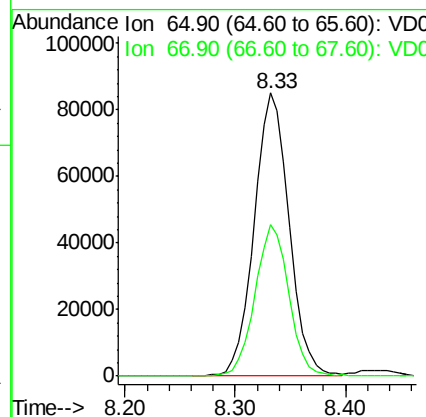
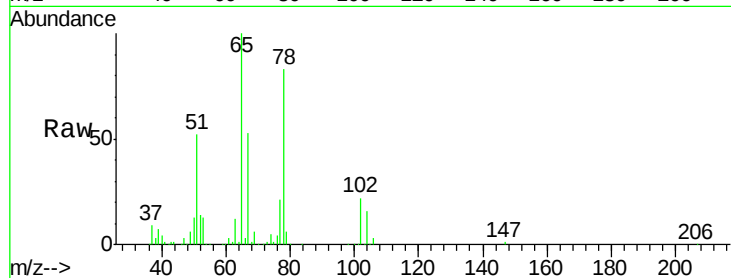
67 51.9 0.0 102.0

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

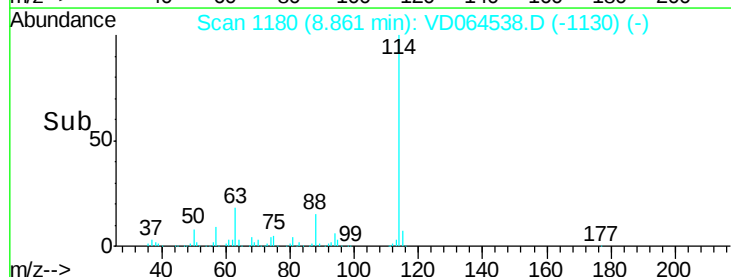
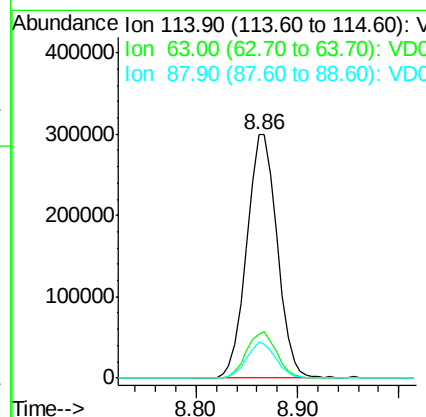
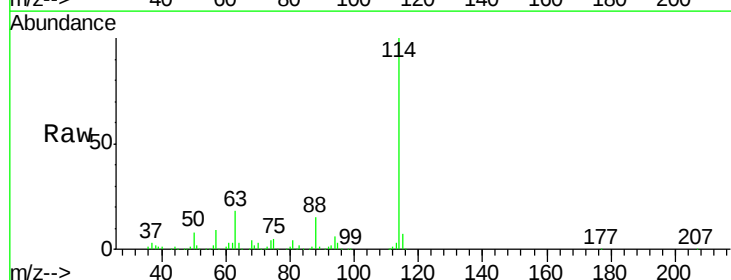
Tgt Ion: 114 Resp: 623356

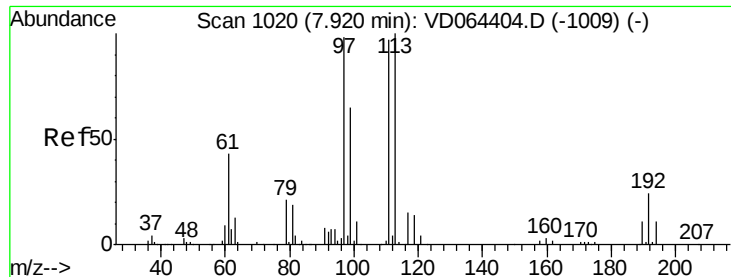
Ion Ratio Lower Upper

114 100

63 18.2 0.0 40.0

88 15.1 0.0 29.2





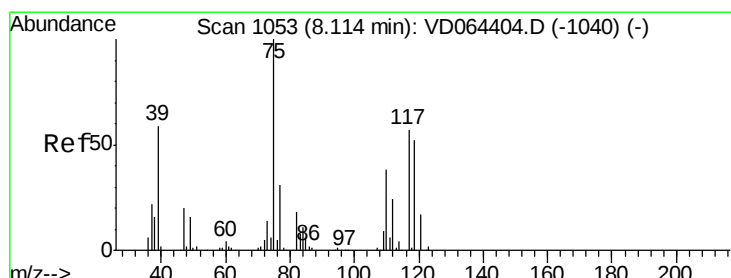
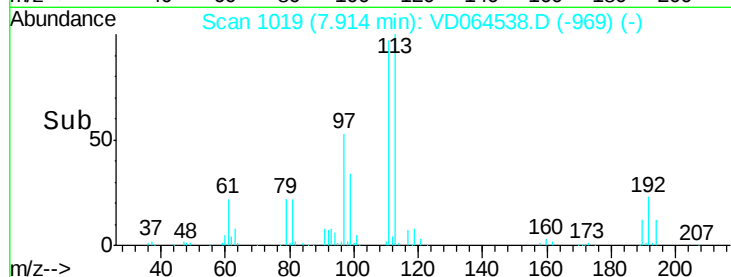
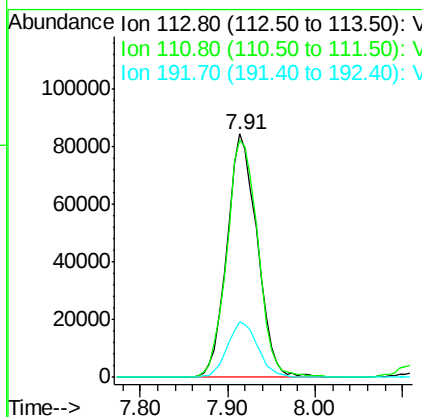
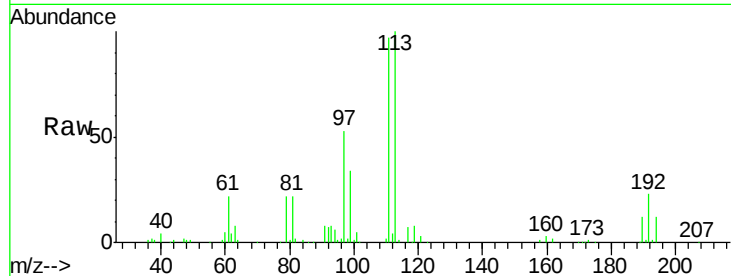
#35
Dibromofluoromethane
Concen: 50.578 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	198642		
111	100.8		79.4	119.2
192	22.7		18.6	28.0

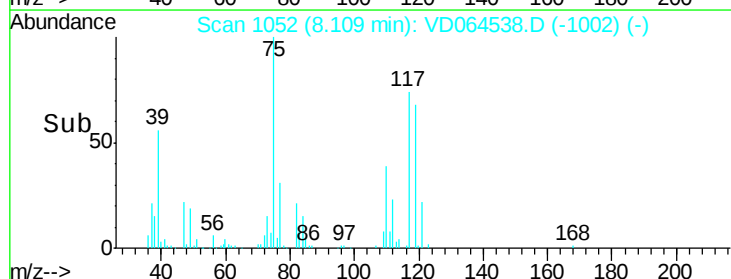
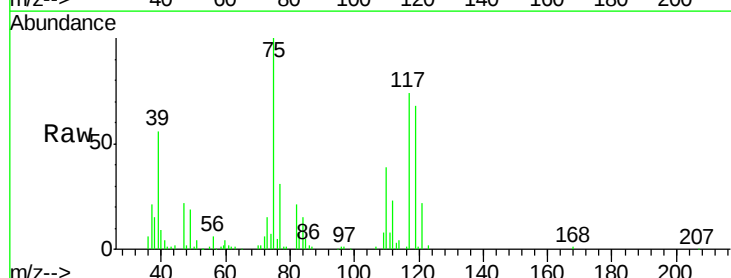
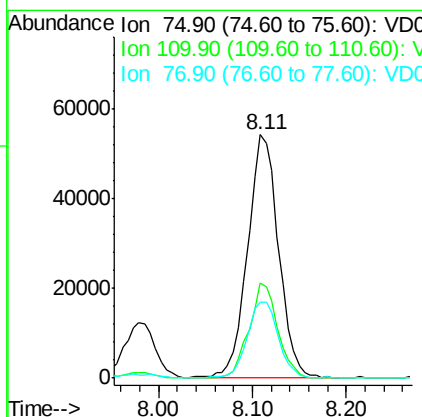
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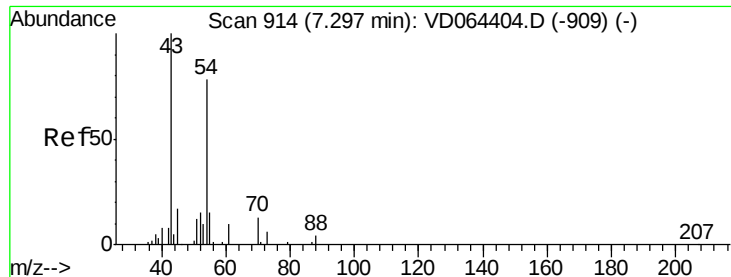
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#36
1,1-Dichloropropene
Concen: 20.853 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	122952		
110	36.5		18.6	55.8
77	31.8		25.0	37.4





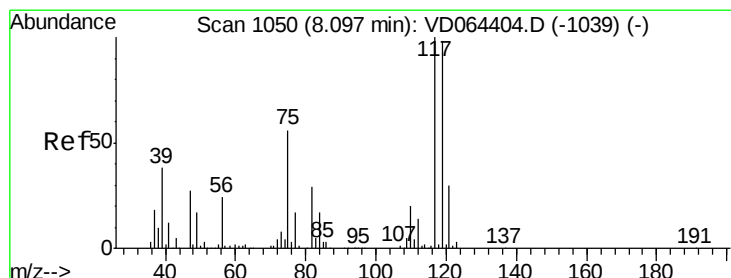
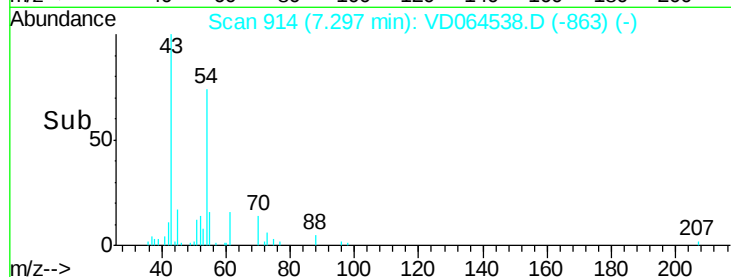
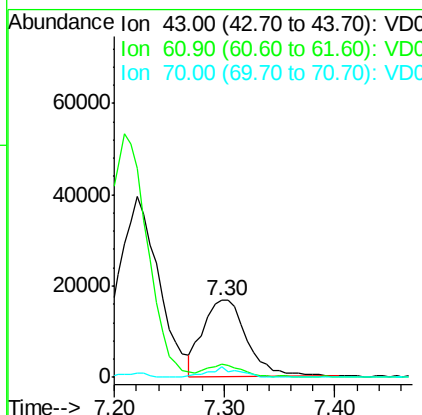
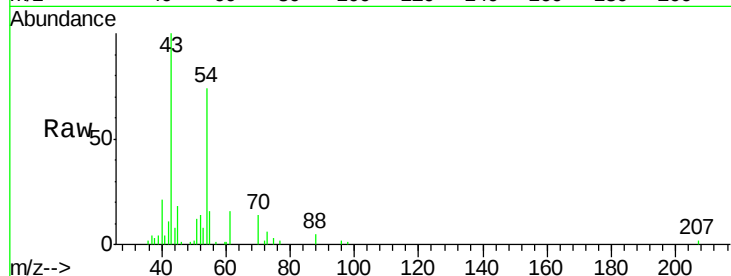
#37
Ethyl Acetate
Concen: 18.348 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.9	16.3
70	9.7	8.3	12.5

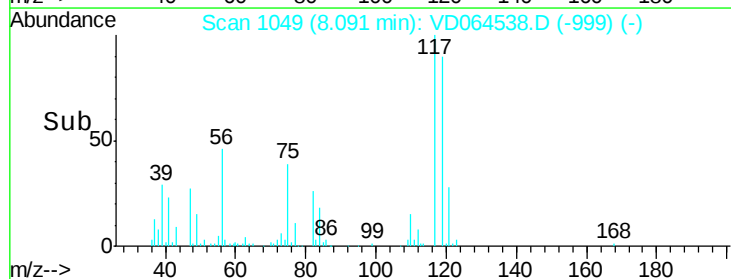
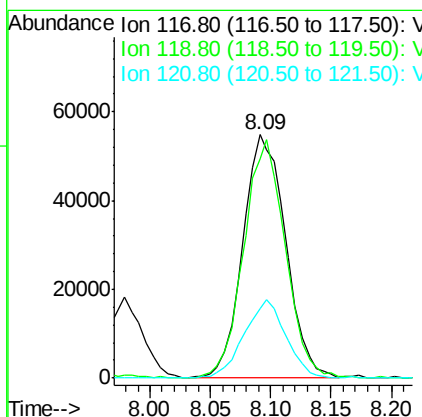
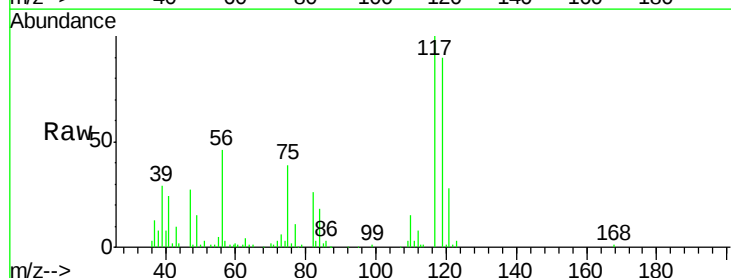
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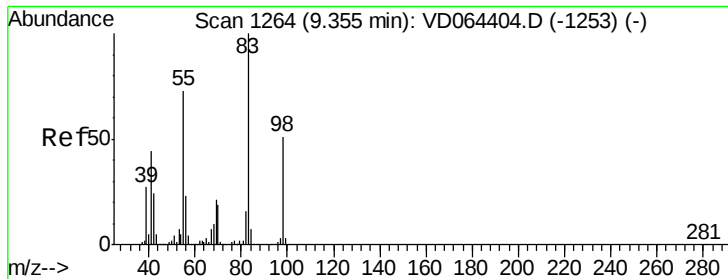
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#38
Carbon Tetrachloride
Concen: 21.840 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.0	78.8	118.2
121	28.4	24.2	36.2





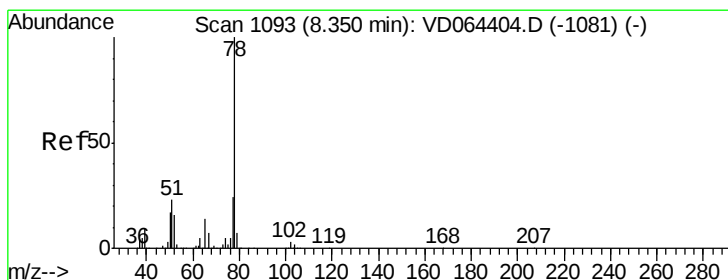
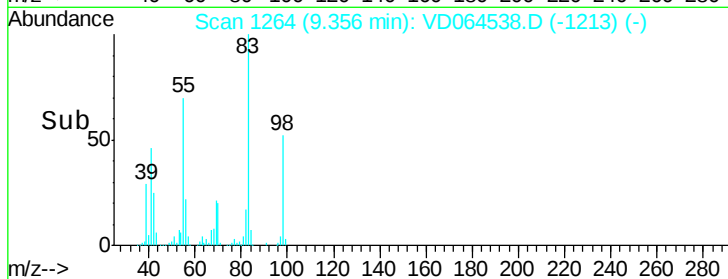
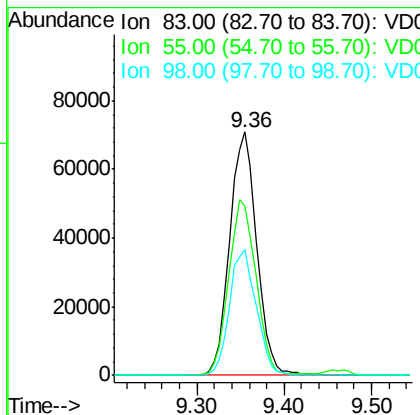
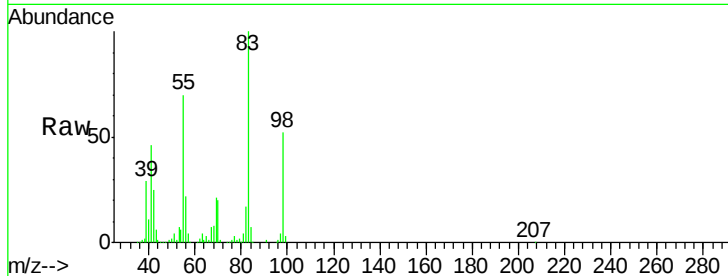
#39
Methvlcvclohexane
Concen: 20.343 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	69.6	58.6	87.8
98	51.7	40.9	61.3

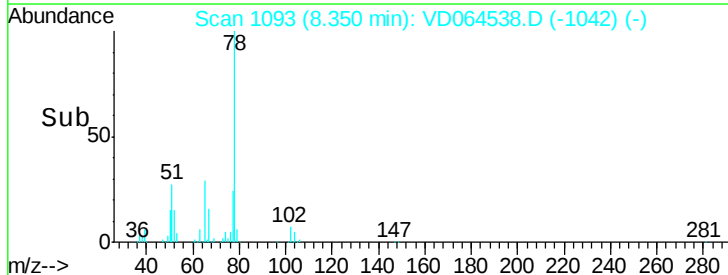
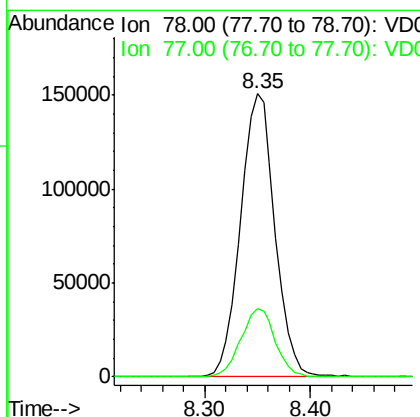
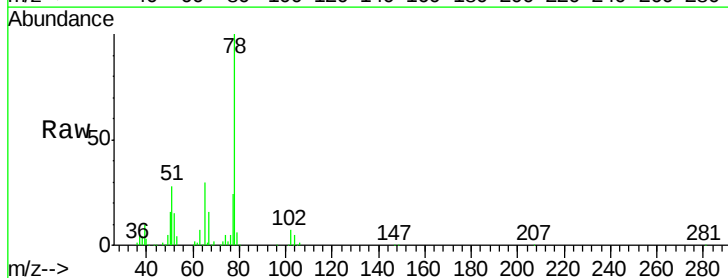
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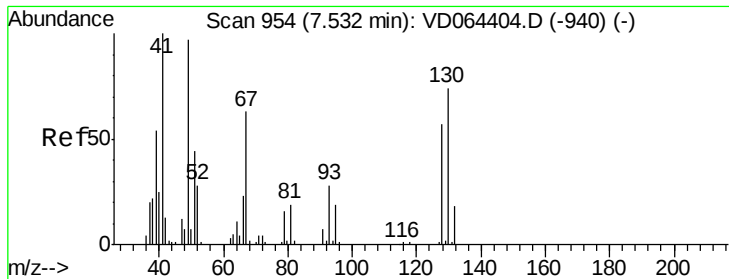
MMDadoda
12/18/2019 1:00:43 PM



#40
Benzene
Concen: 20.821 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4





#41

Methacrylonitrile

Concen: 19.325 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

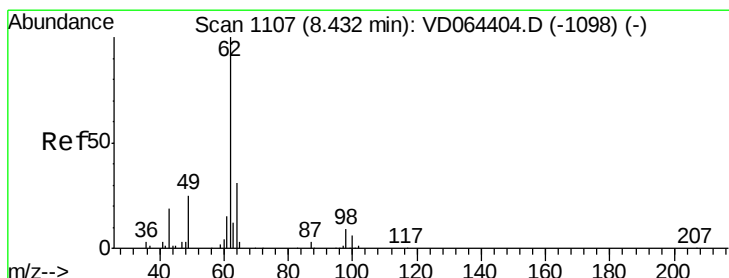
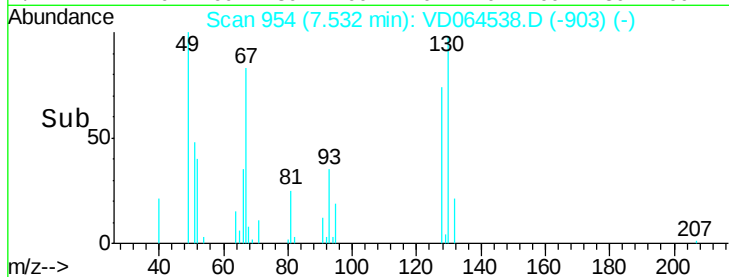
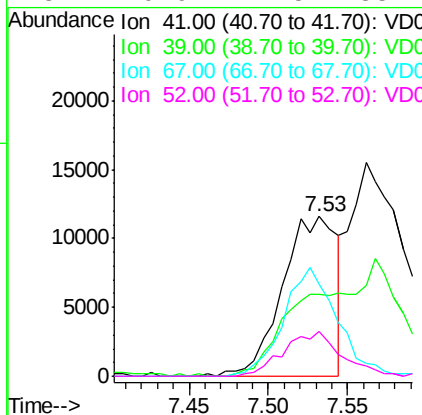
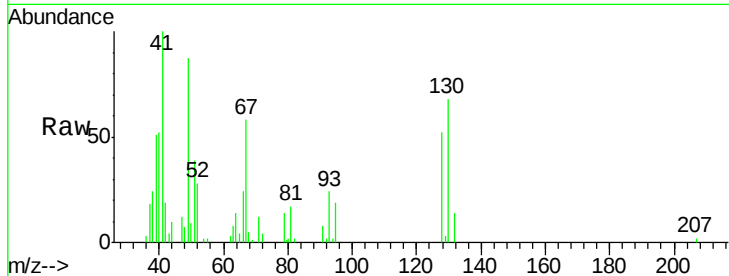
ClientSampleId :

VD1217SBS01

Tot Ion	41	Resp	27727
Ion	Ratio	Lower	Upper
41	100		
39	48.2	44.6	67.0
67	66.9	50.9	76.3
52	29.9	22.5	33.7

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.238 ug/l

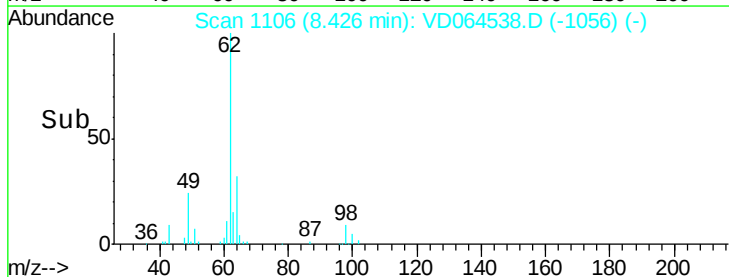
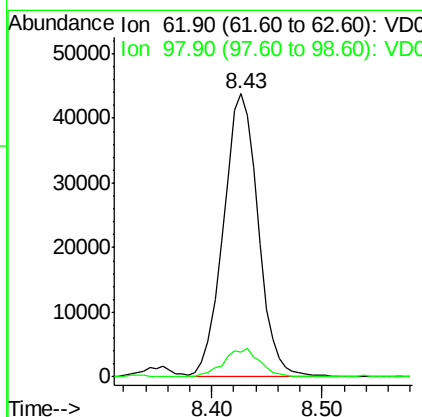
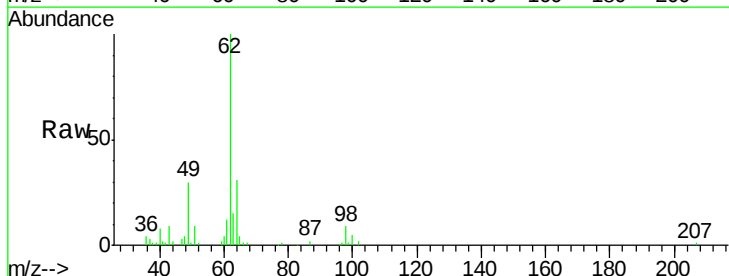
RT: 8.43 min Scan# 1106

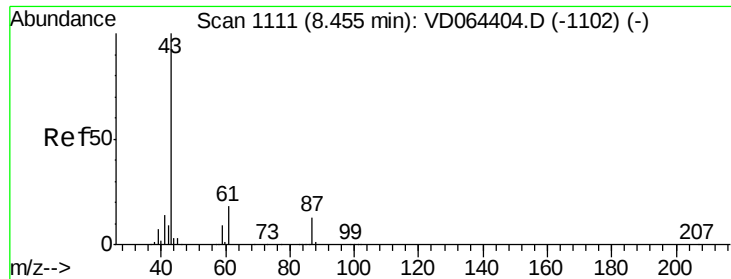
Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion	62	Resp	96649
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





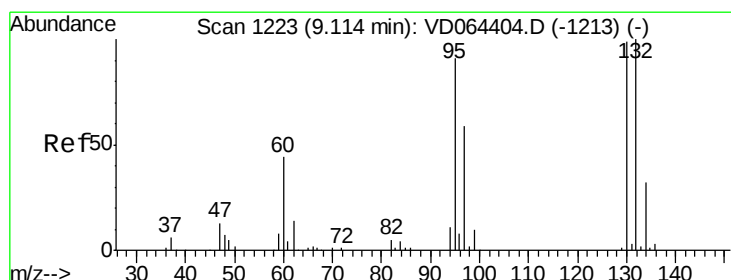
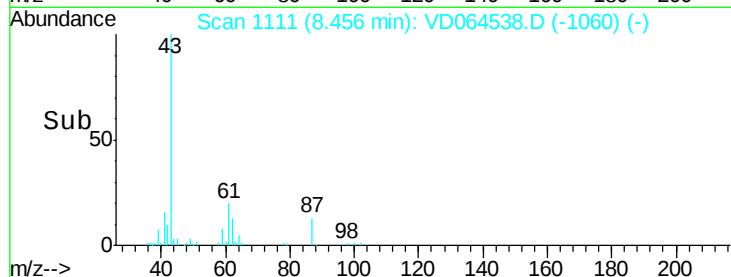
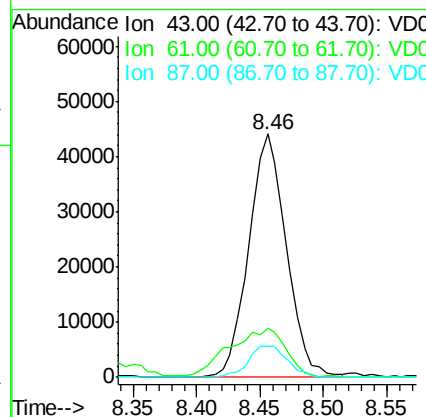
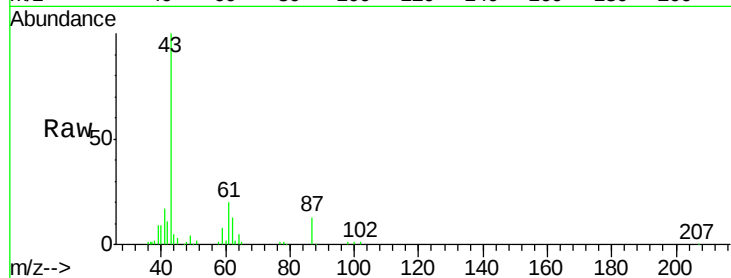
#43
Isopropyl Acetate
Concen: 18.548 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.3	24.0	36.0
87	13.6	10.6	15.8

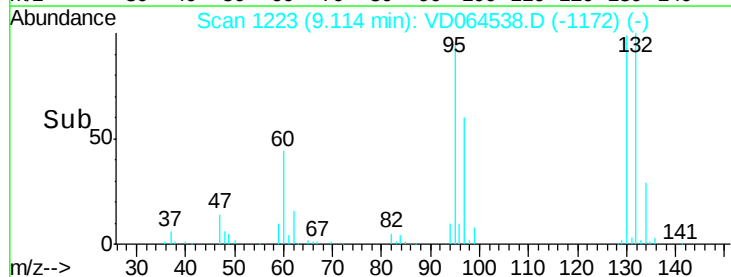
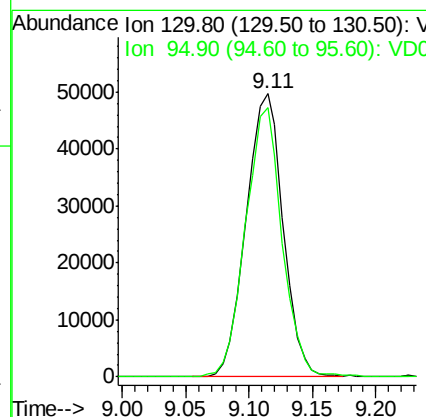
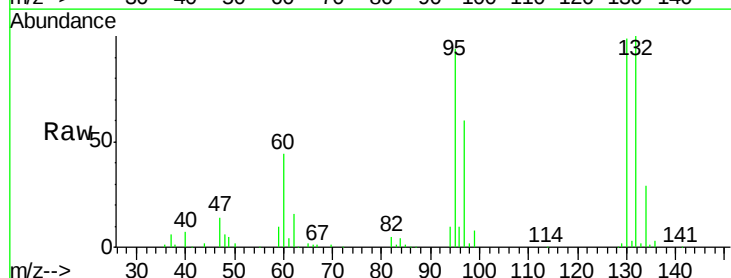
Manual Integrations
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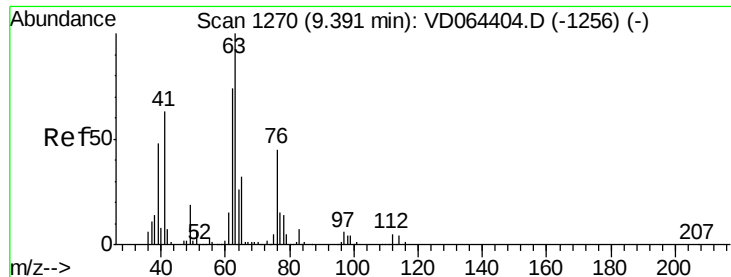
MMDadoda
12/18/2019 1:00:43 PM



#44
Trichloroethene
Concen: 20.470 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	184.6





#45

1,2-Dichloropropane

Concen: 21.318 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 63 Resp: 83489

Ion Ratio Lower Upper

63 100

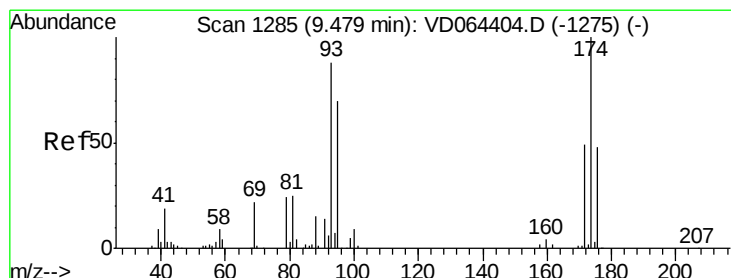
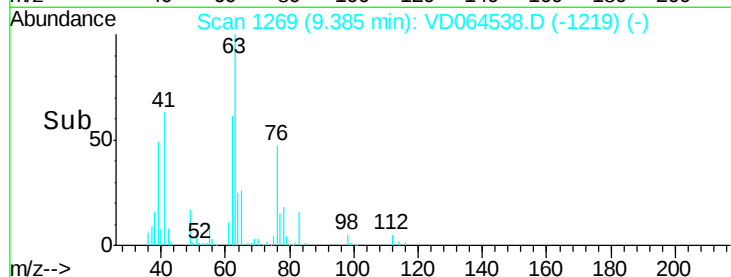
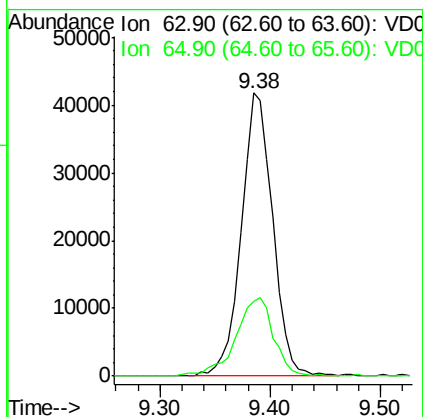
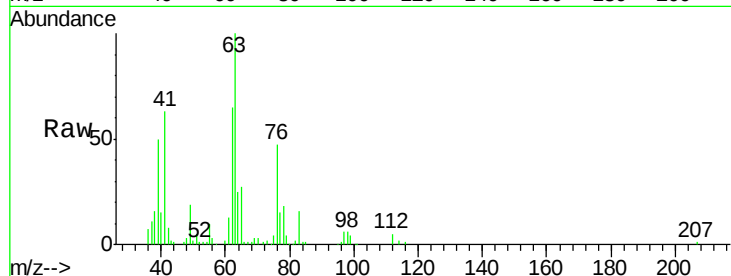
65 26.6 25.4 38.0

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#46

Dibromomethane

Concen: 19.841 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

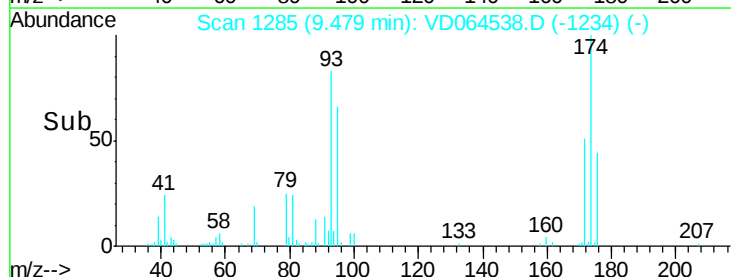
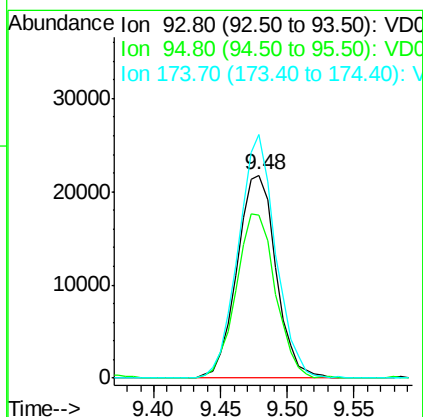
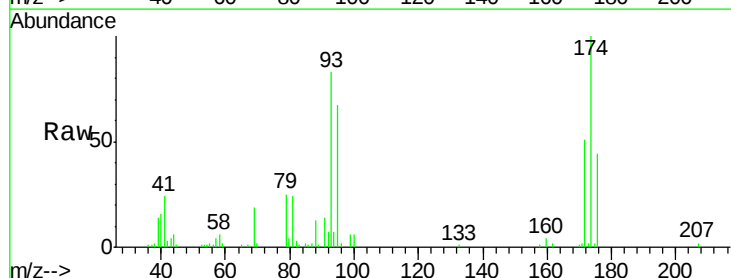
Tgt Ion: 93 Resp: 43858

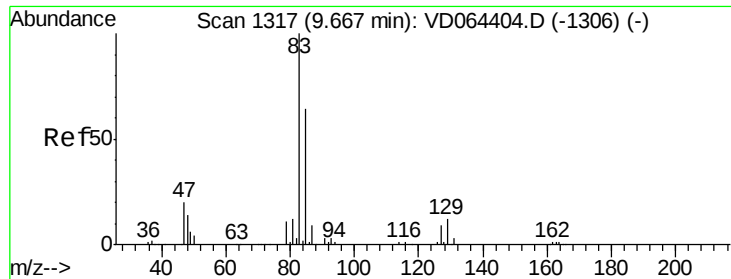
Ion Ratio Lower Upper

93 100

95 82.1 66.7 100.1

174 114.9 92.3 138.5





#47

Bromodichloromethane

Concen: 20.924 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

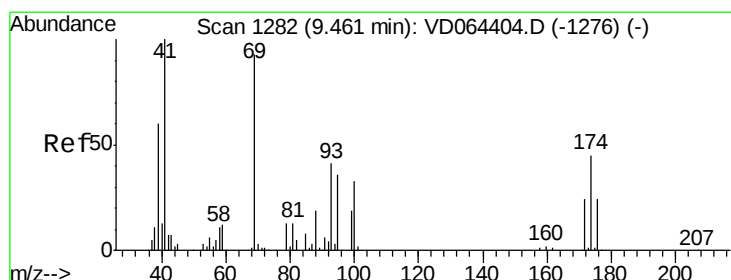
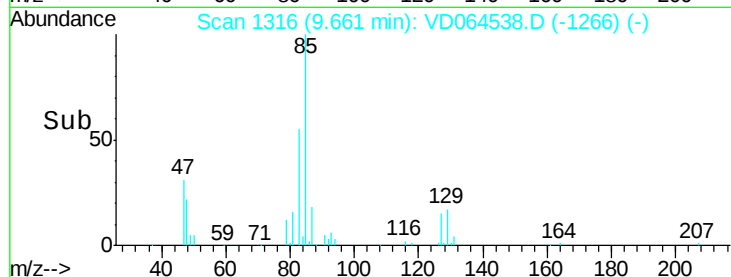
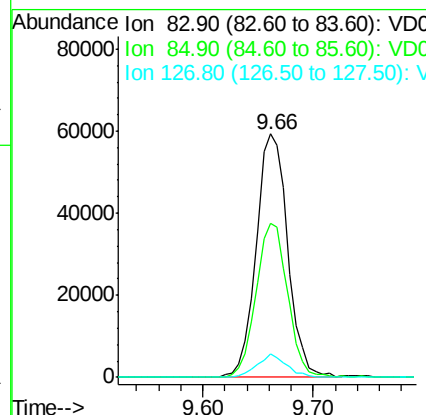
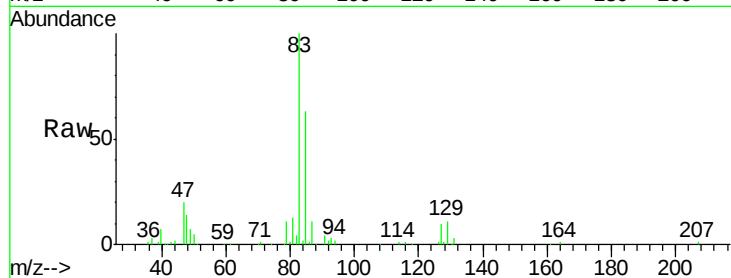
ClientSampleId :

VD1217SBS01

Tot Ion:	83	Resp:	118838
Ion Ratio	Lower	Upper	
83	100		
85	63.1	51.1	76.7
127	9.6	7.4	11.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.220 ug/l

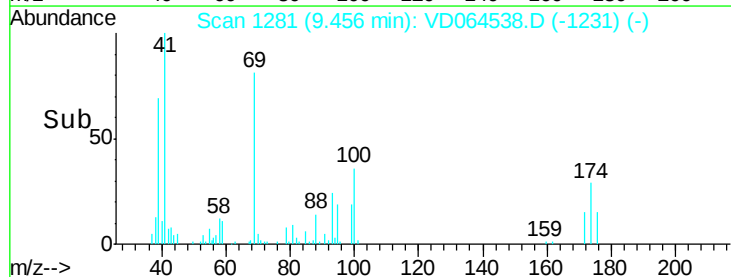
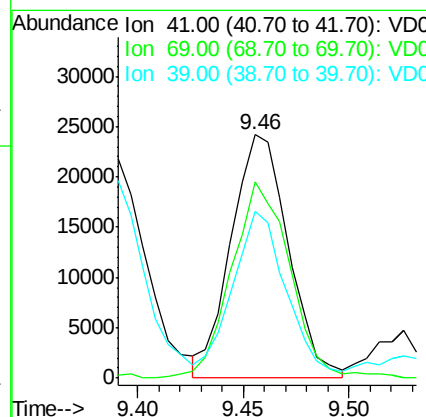
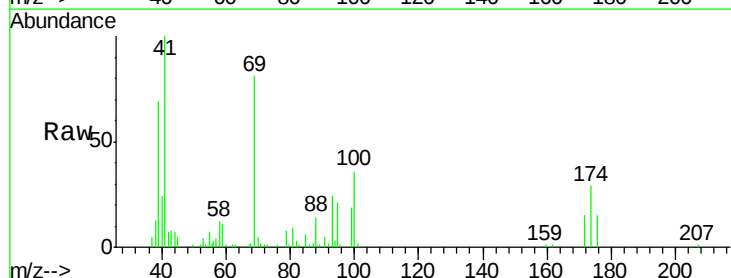
RT: 9.46 min Scan# 1281

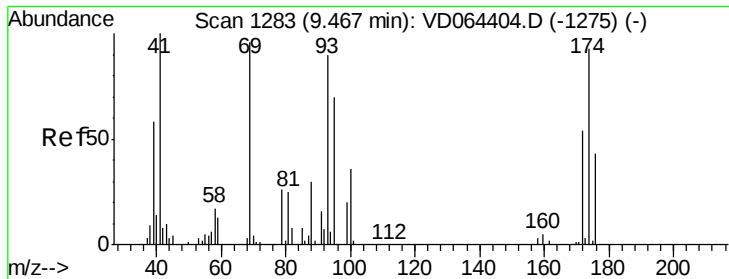
Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion:	41	Resp:	45515
Ion Ratio	Lower	Upper	
41	100		
69	82.4	72.0	108.0
39	58.7	55.2	82.8





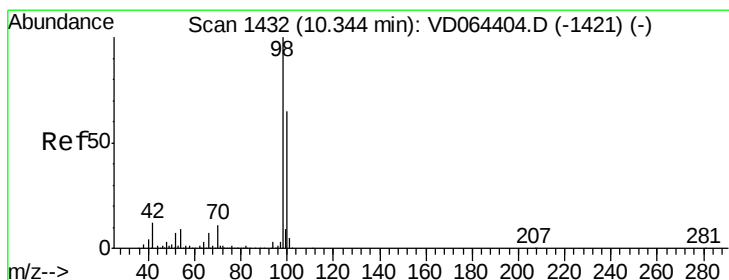
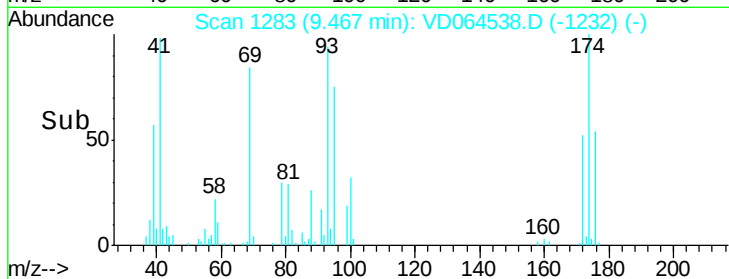
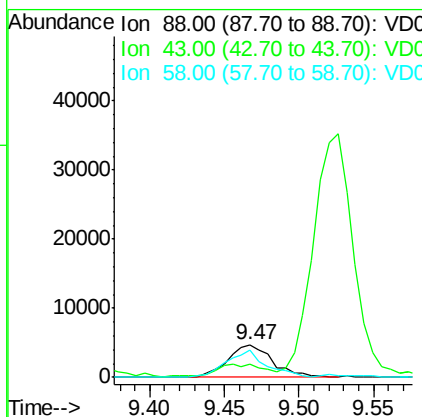
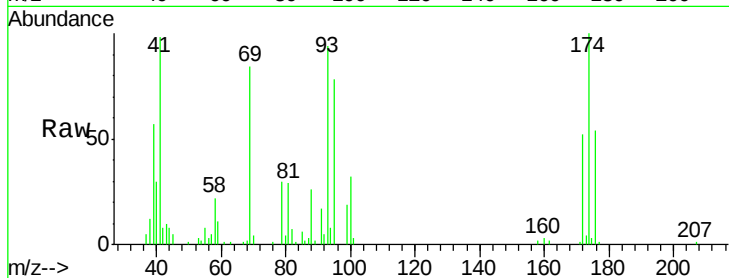
#49
1,4-Dioxane
Concen: 358.740 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.3	26.7	40.1#
58	75.5	52.3	78.5

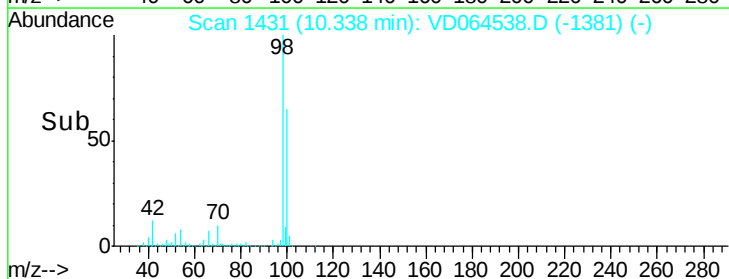
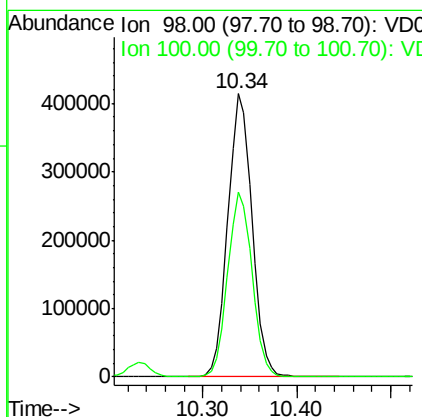
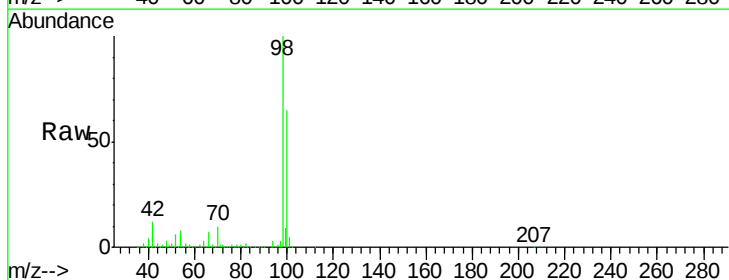
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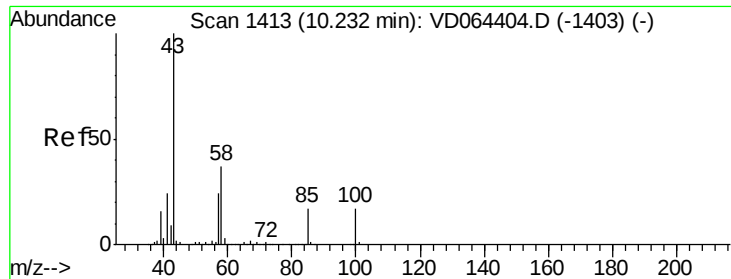
MMDadoda
12/18/2019 1:00:43 PM



#50
Toluene-d8
Concen: 50.259 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 91.892 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 43 Resp: 223658

Ion Ratio Lower Upper

43 100

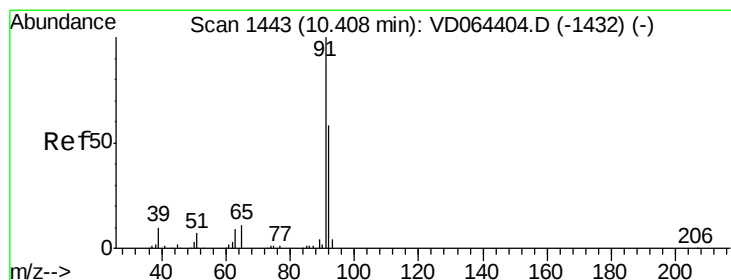
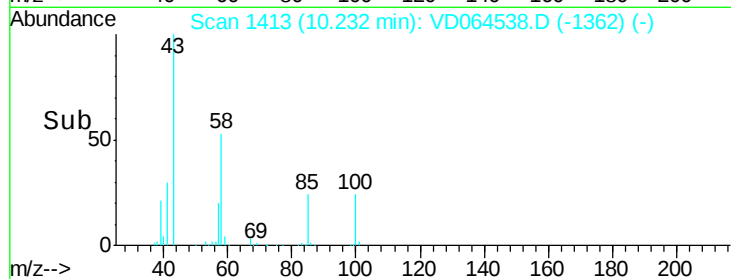
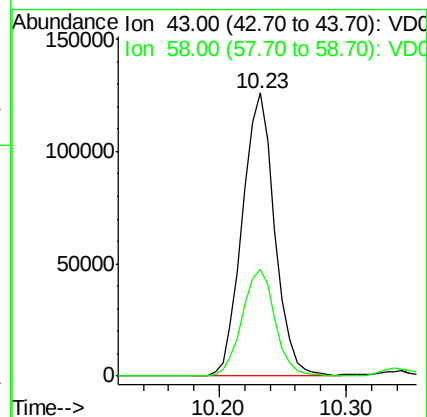
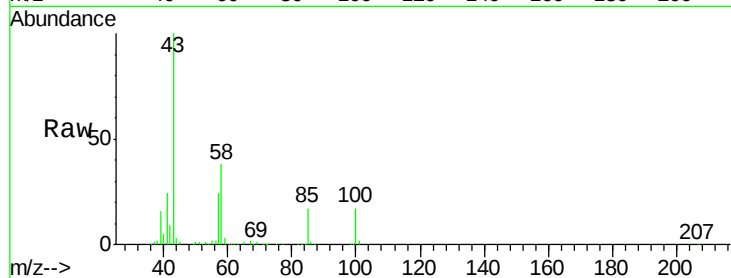
58 38.4 30.6 46.0

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#52

Toluene

Concen: 20.695 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD064538.D

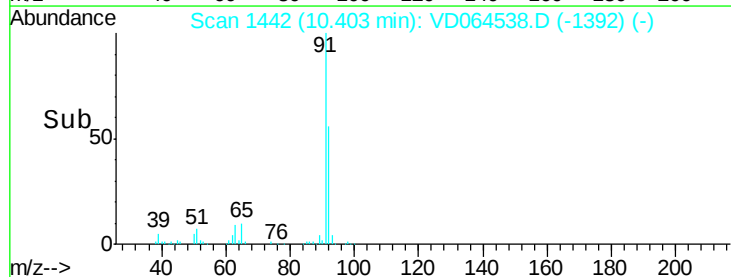
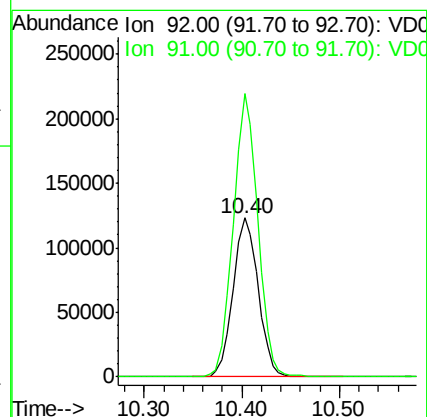
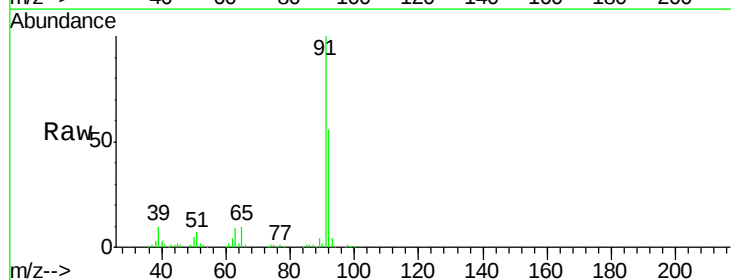
Acq: 17 Dec 2019 11:50

Tgt Ion: 92 Resp: 220867

Ion Ratio Lower Upper

92 100

91 173.7 137.8 206.6





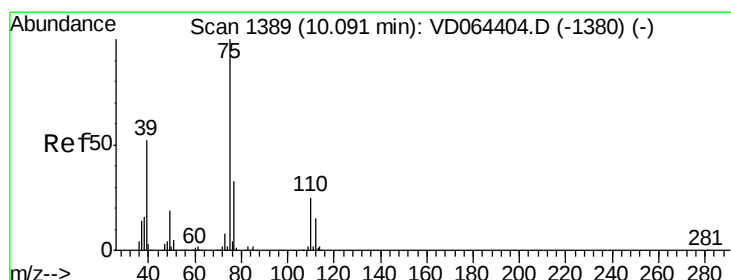
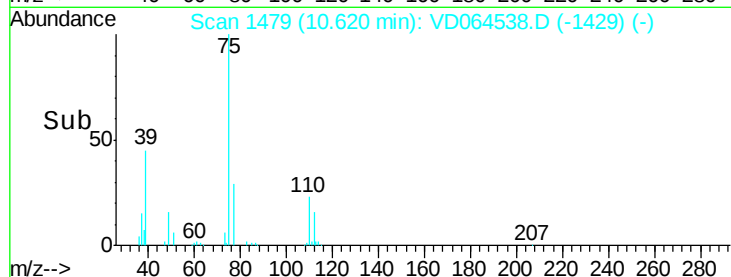
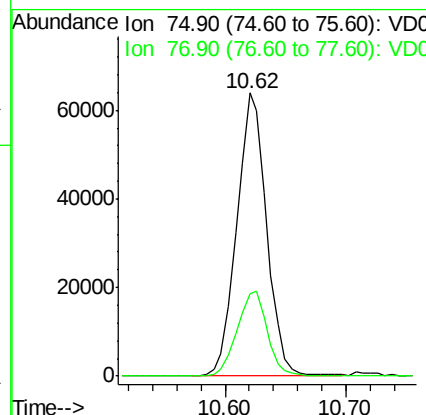
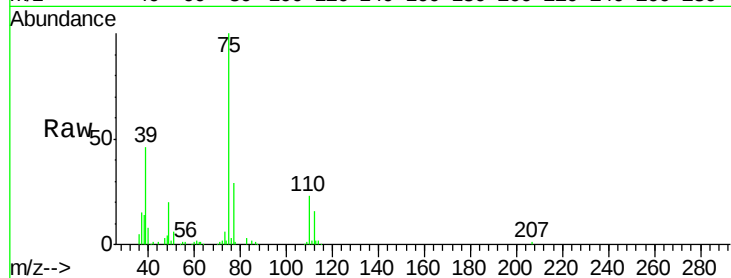
#53
 t-1,3-Dichloropropene
 Concen: 20.295 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	109856		
77	29.1	25.0	37.4	

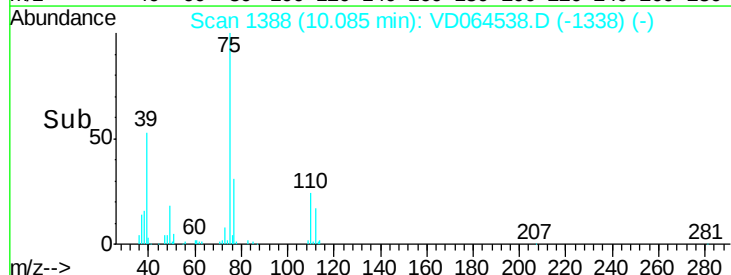
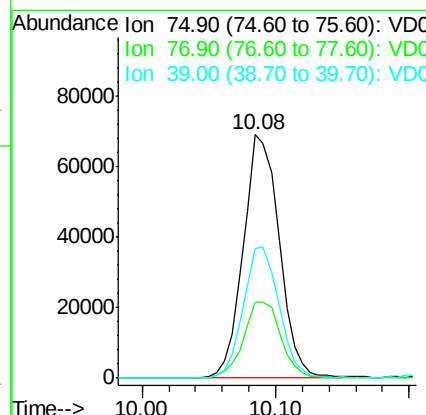
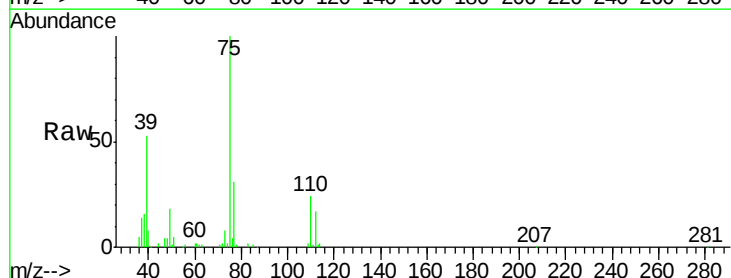
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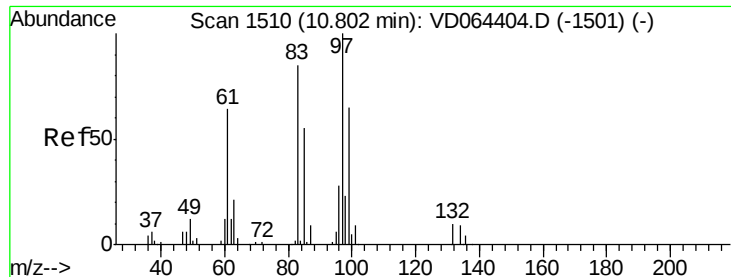
MMDadoda
 12/18/2019 1:00:43 PM



#54
 cis-1,3-Dichloropropene
 Concen: 20.059 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	128987		
77	31.1	26.1	39.1	
39	53.4	41.5	62.3	





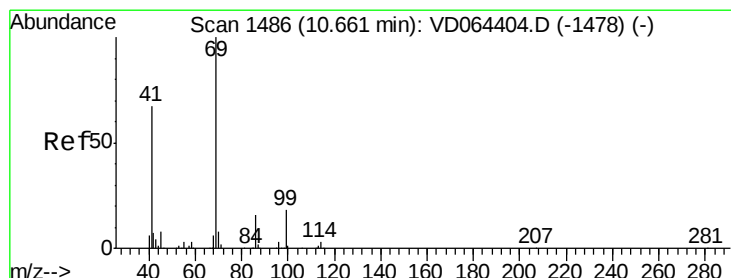
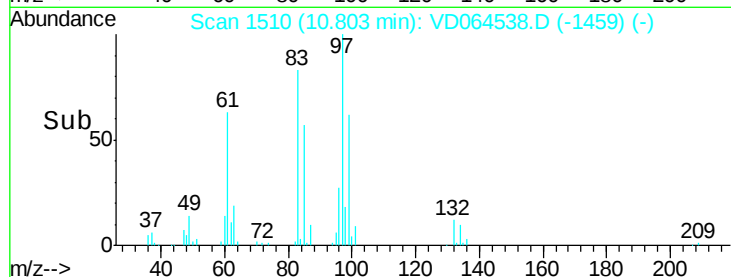
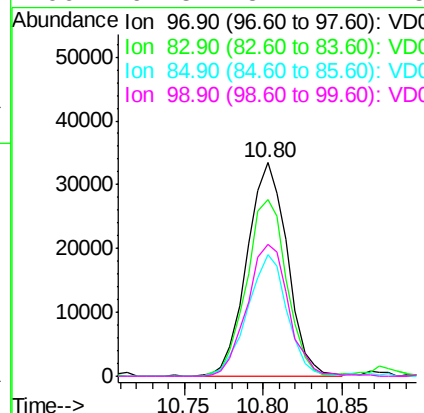
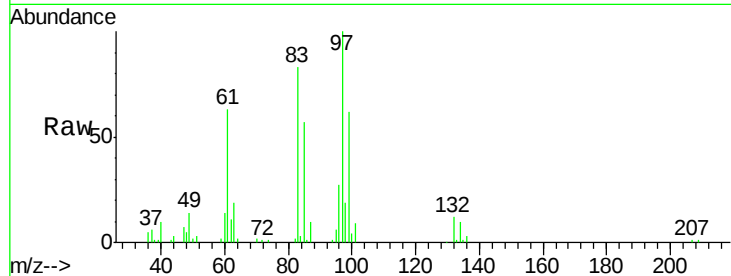
#55
 1,1,2-Trichloroethane
 Concen: 19.623 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	82.7	67.8	101.8
85	57.2	43.7	65.5
99	61.5	51.7	77.5

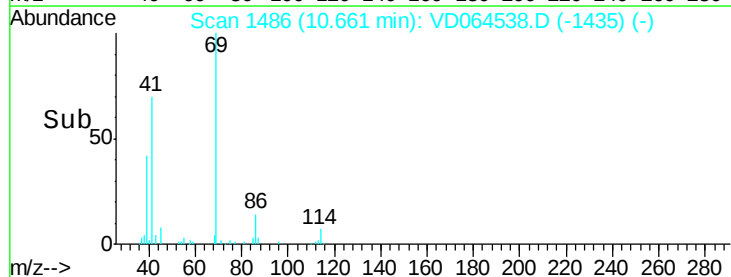
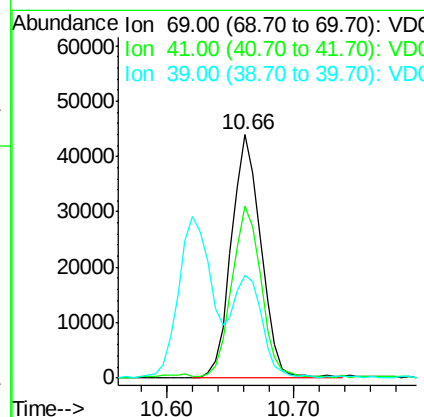
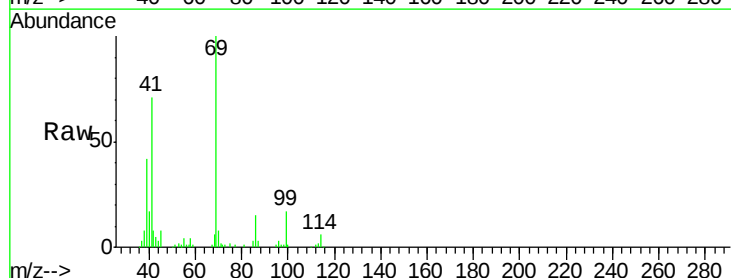
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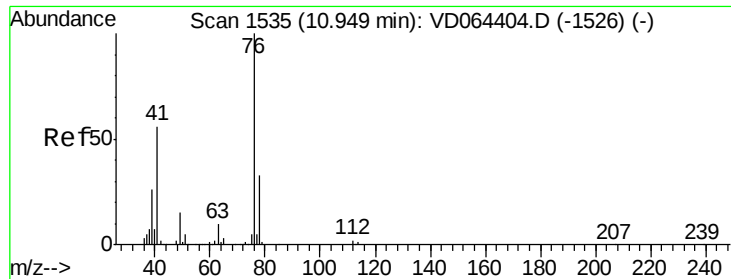
MMDadoda
 12/18/2019 1:00:43 PM



#56
 Ethyl methacrylate
 Concen: 18.405 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.1	55.0	82.4
39	41.6	33.0	49.6





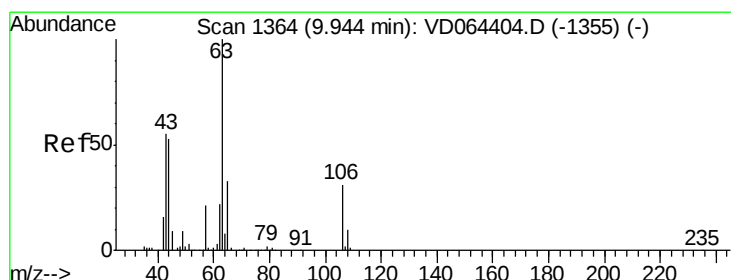
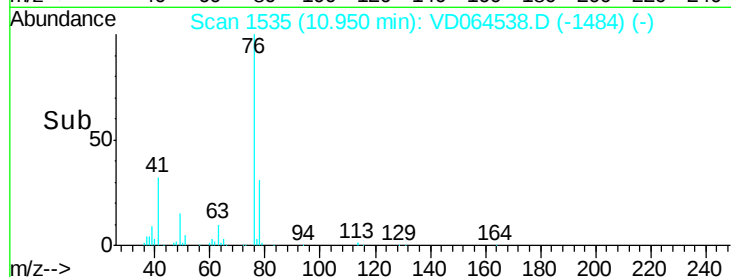
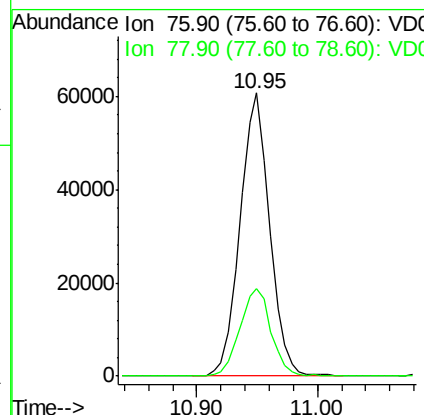
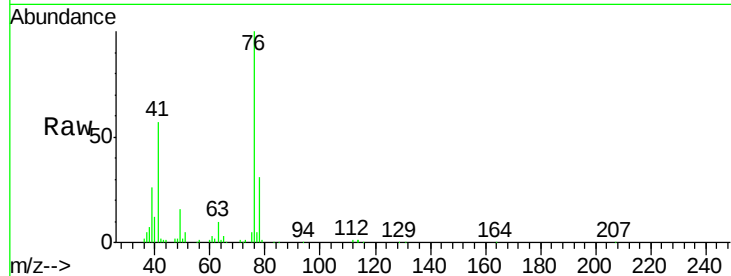
#57
 1,3-Dichloropropane
 Concen: 20.104 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.0	39.0

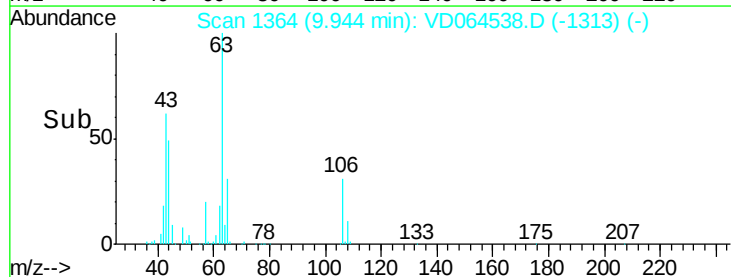
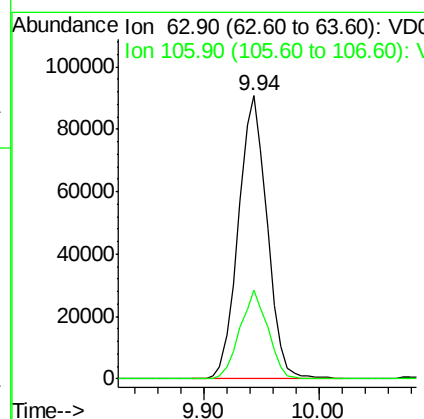
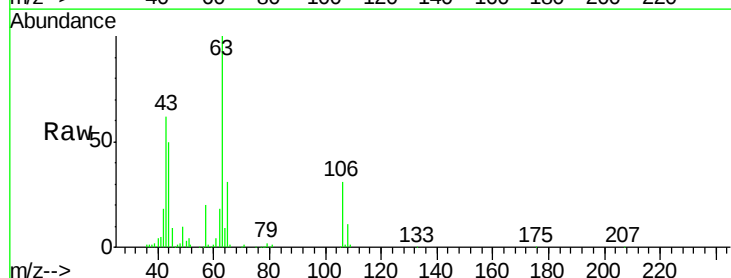
Manual Integrations
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 12/18/2019 1:00:43 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 101.563 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.4	24.2	36.4





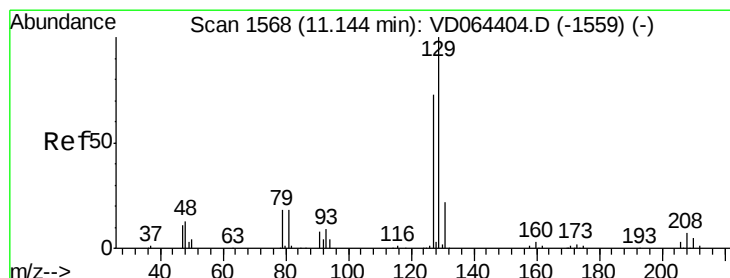
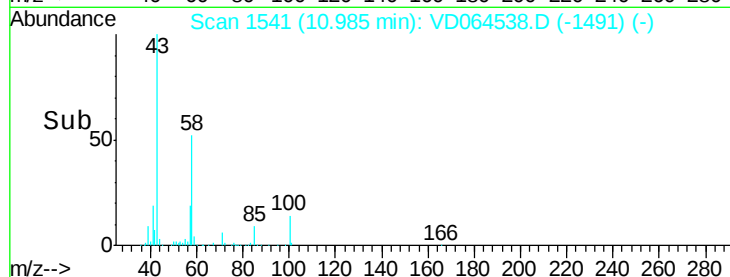
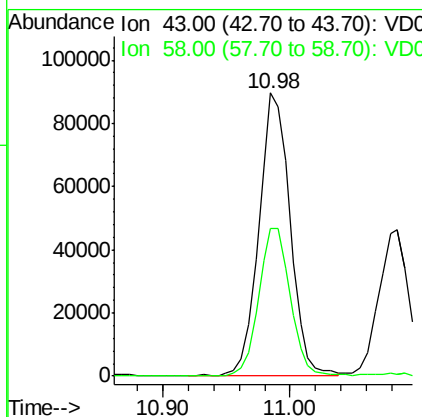
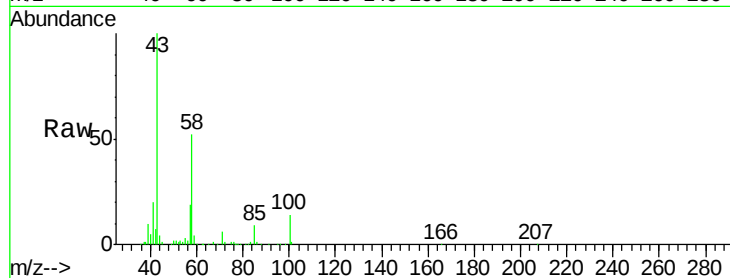
#59
2-Hexanone
Concen: 91.151 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	43	Resp	153942
Ion Ratio	43	100	
Lower	58	52.8	26.3
Upper			78.8

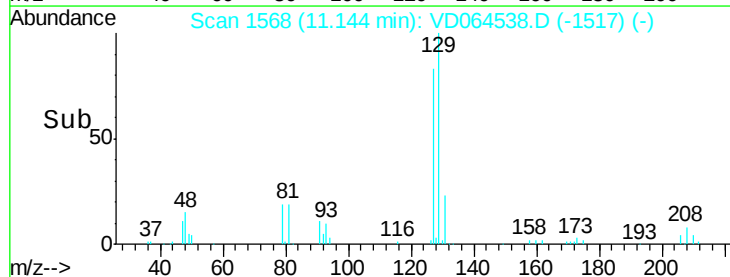
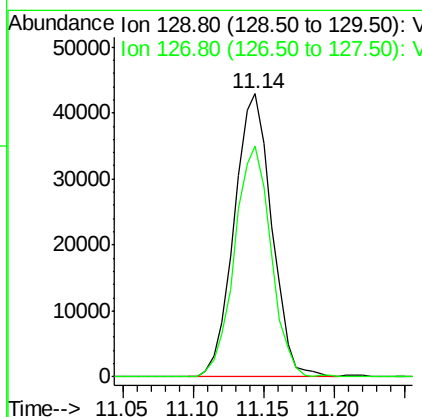
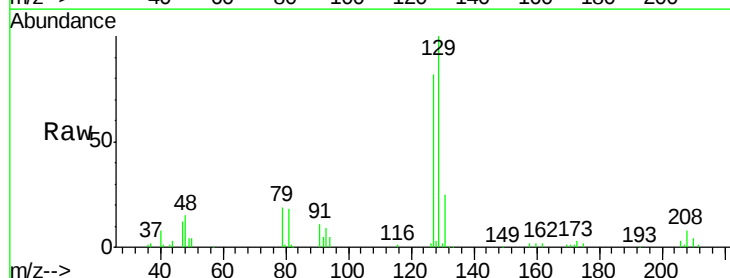
Manual Integrations
APPROVED

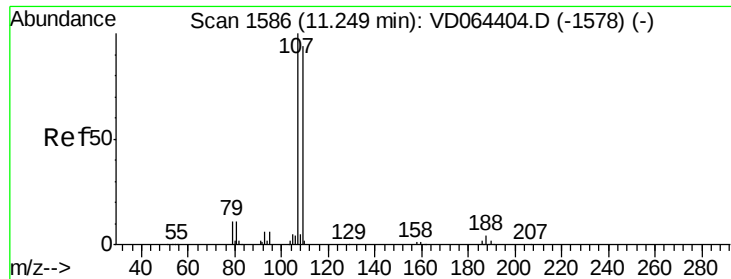
MMDadoda
12/18/2019 1:00:43 PM



#60
Dibromochloromethane
Concen: 19.390 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	129	Resp	79573
Ion Ratio	129	100	
Lower	127	79.2	38.1
Upper			114.3





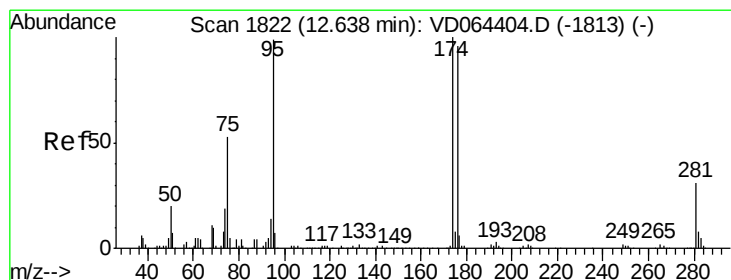
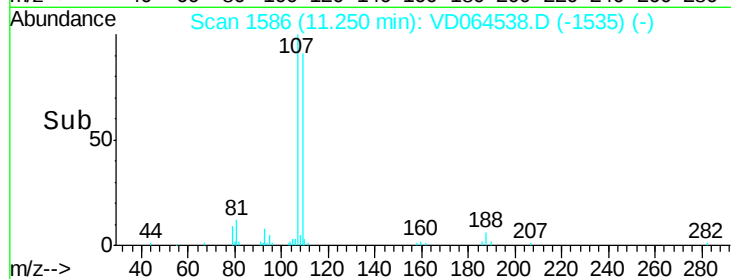
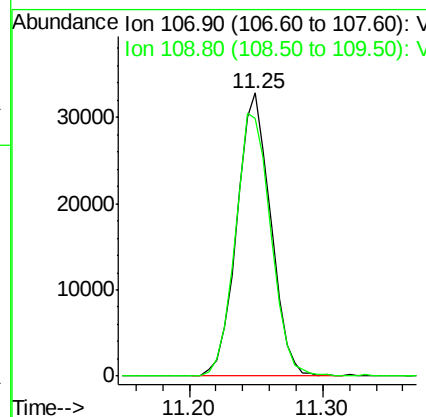
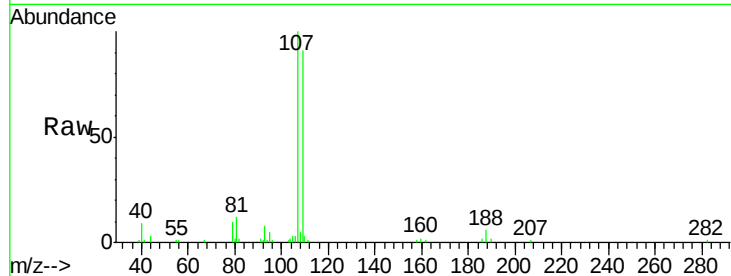
#61
 1,2-Dibromoethane
 Concen: 19.046 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion: 107 Resp: 57557
 Ion Ratio Lower Upper
 107 100
 109 97.1 76.2 114.2

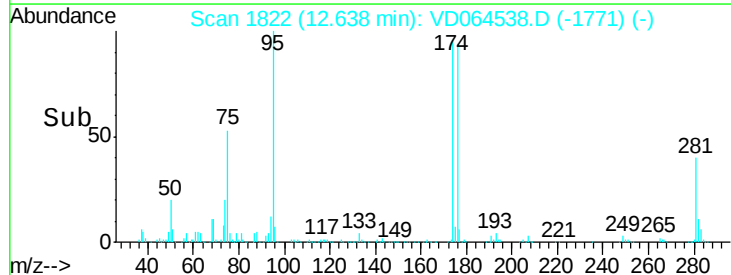
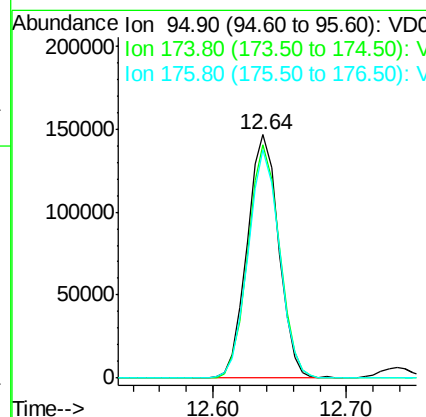
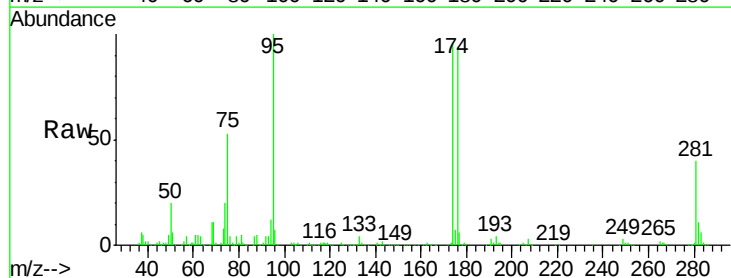
Manual Integrations
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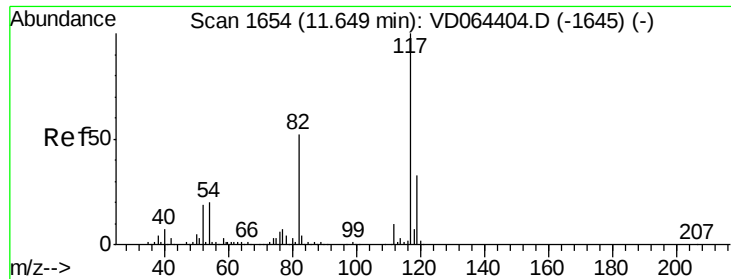
MMDadoda
 12/18/2019 1:00:43 PM



#62
 4-Bromofluorobenzene
 Concen: 50.195 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion: 95 Resp: 238653
 Ion Ratio Lower Upper
 95 100
 174 95.3 0.0 197.2
 176 93.1 0.0 189.6





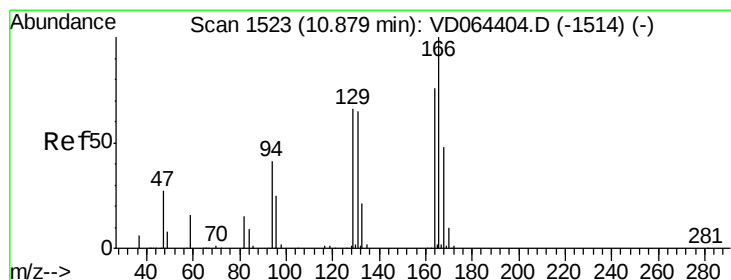
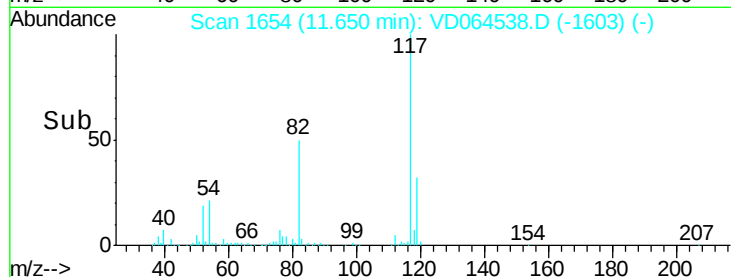
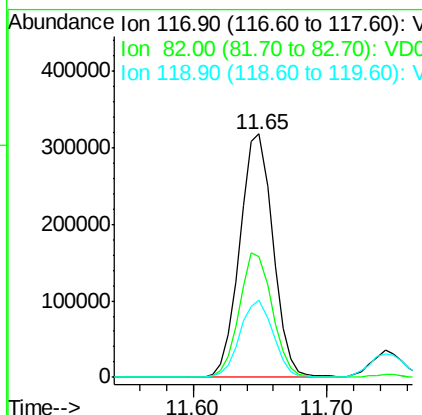
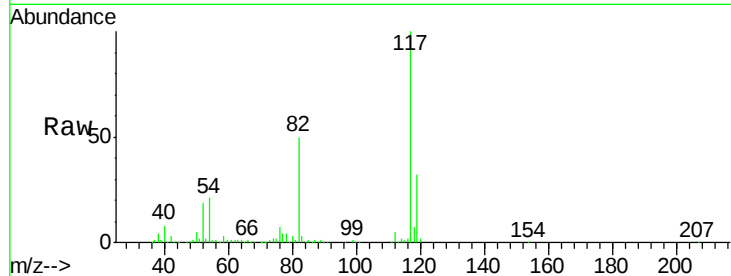
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	548432		
82	49.8		41.4	62.2
119	31.6		26.2	39.2

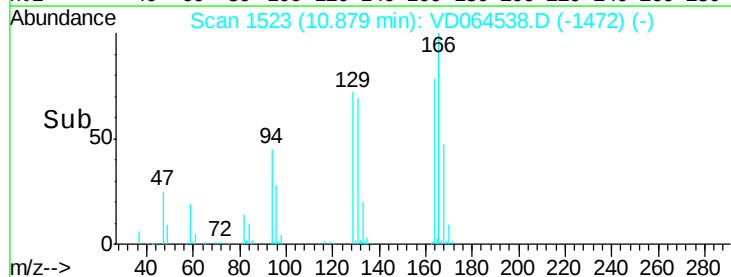
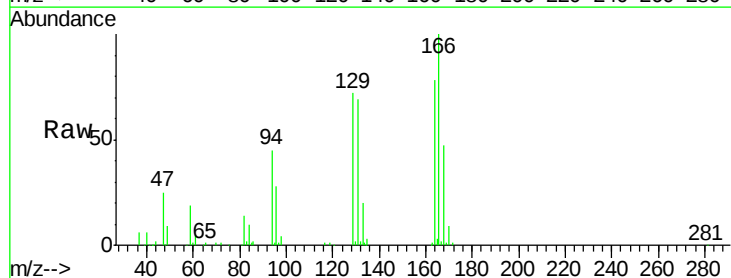
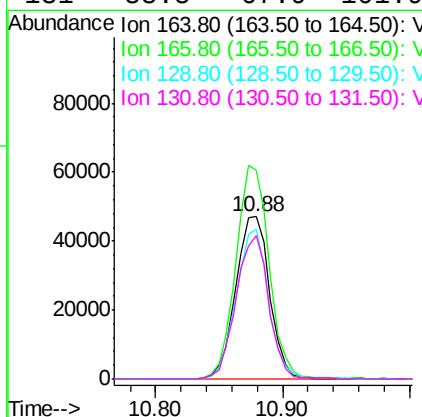
Manual Integrations
APPROVED

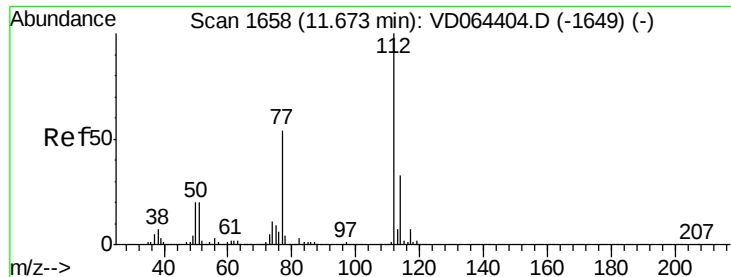
MMDadoda
12/18/2019 1:00:43 PM



#64
Tetrachloroethene
Concen: 20.884 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	87343		
166	128.3		104.8	157.2
129	92.1		68.7	103.1
131	88.5		67.9	101.9





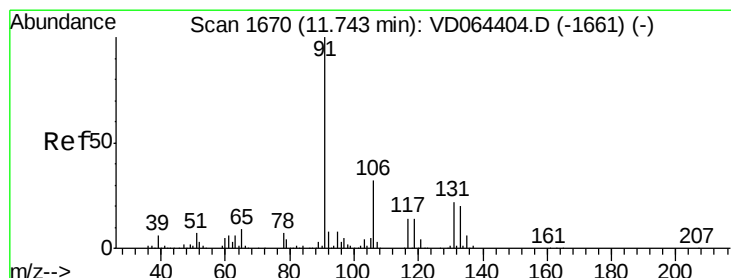
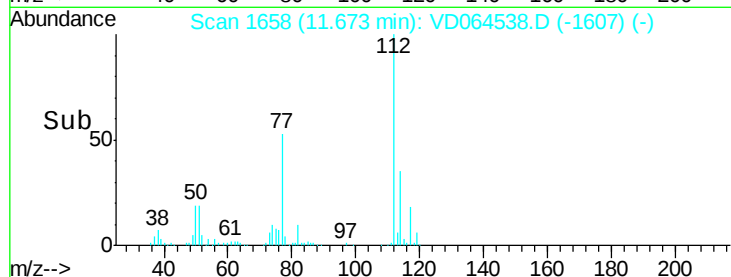
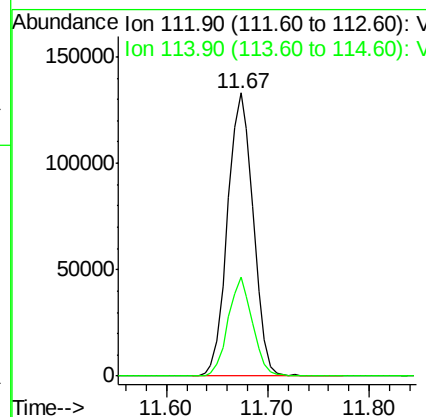
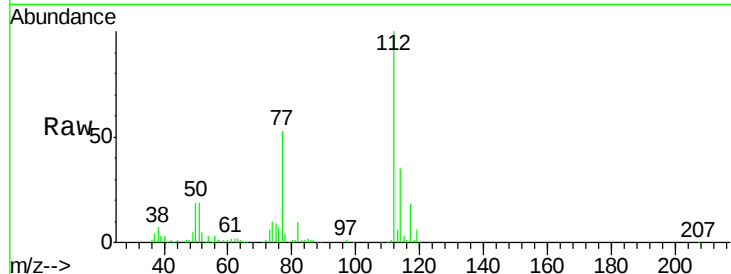
#65
Chlorobenzene
Concen: 20.420 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion:112 Resp: 233575
Ion Ratio Lower Upper
112 100
114 34.8 26.5 39.7

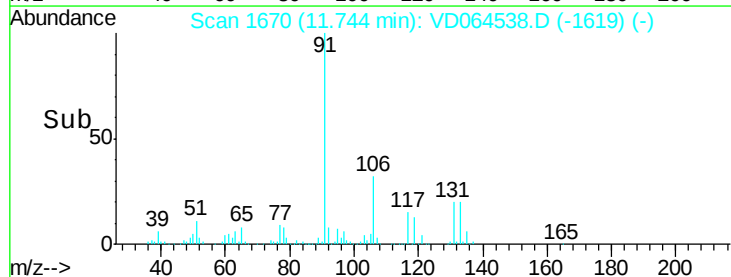
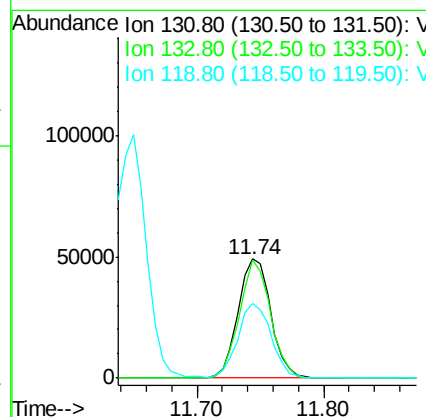
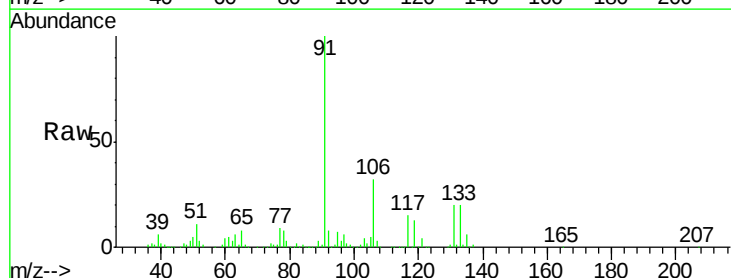
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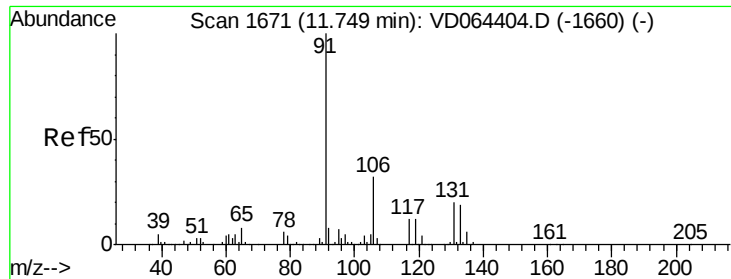
MMDadoda
12/18/2019 1:00:43 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.703 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion:131 Resp: 87665
Ion Ratio Lower Upper
131 100
133 94.2 48.3 144.9
119 64.2 31.9 95.9





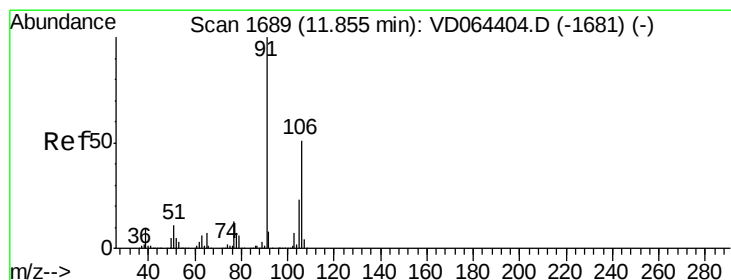
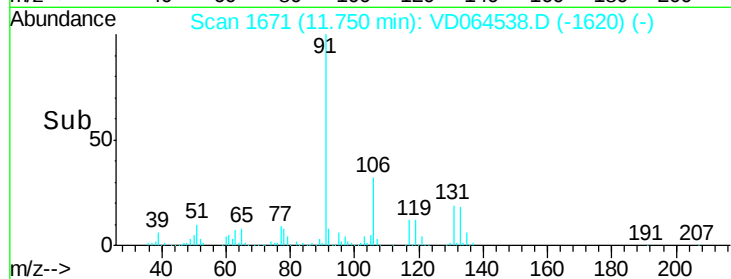
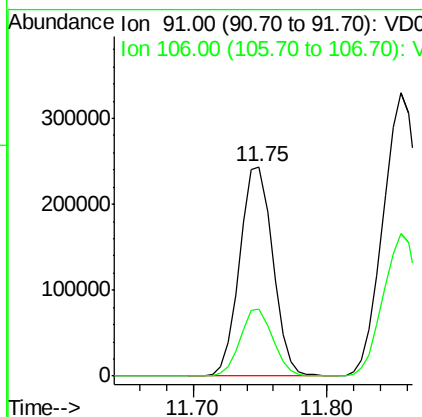
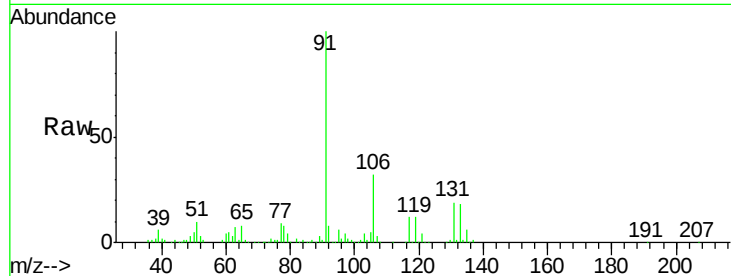
#67
Ethyl Benzene
Concen: 20.683 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion: 91 Resp: 420934
Ion Ratio Lower Upper
91 100
106 31.8 25.8 38.8

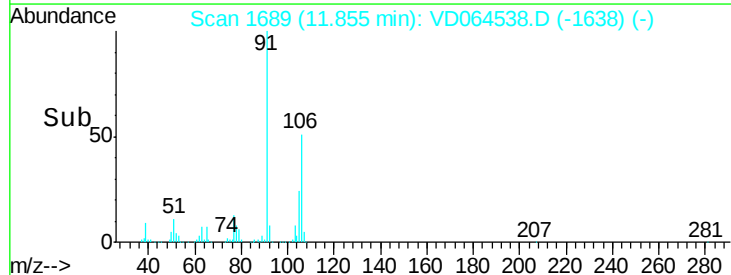
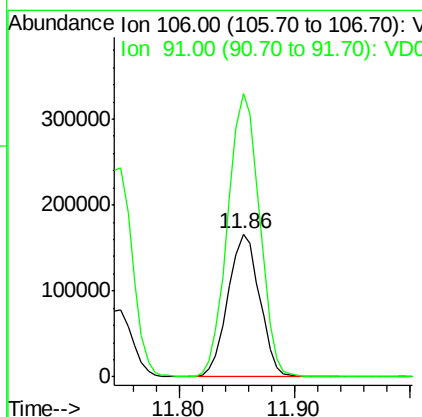
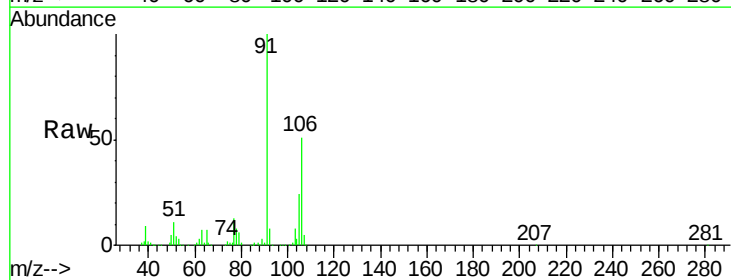
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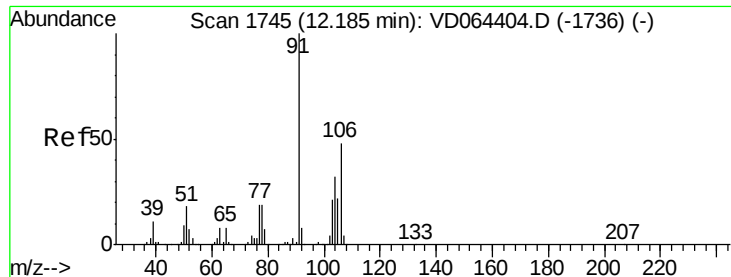
MMDadoda
12/18/2019 1:00:43 PM



#68
m/p-Xylenes
Concen: 40.851 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion: 106 Resp: 317001
Ion Ratio Lower Upper
106 100
91 199.3 157.4 236.2





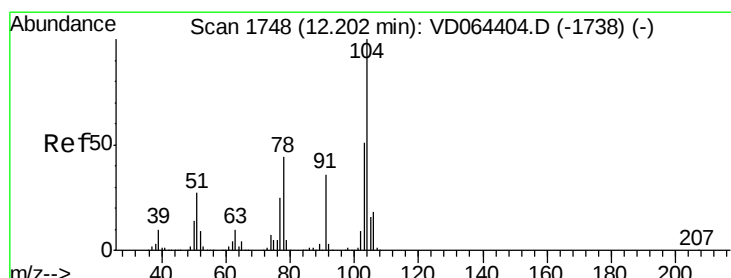
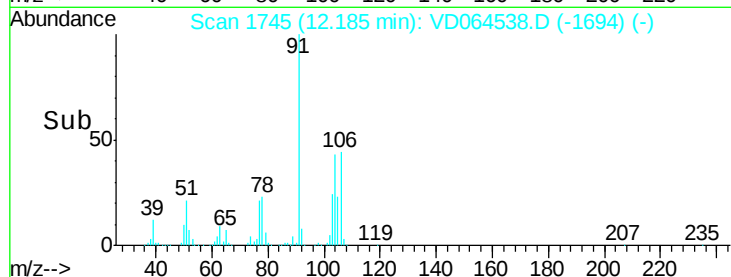
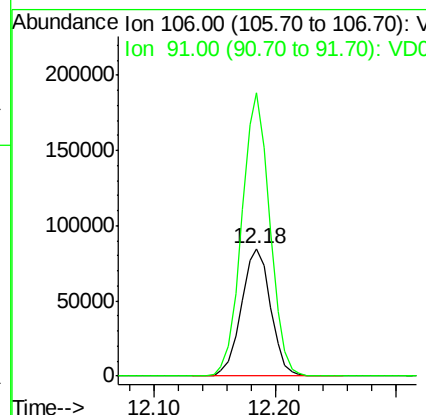
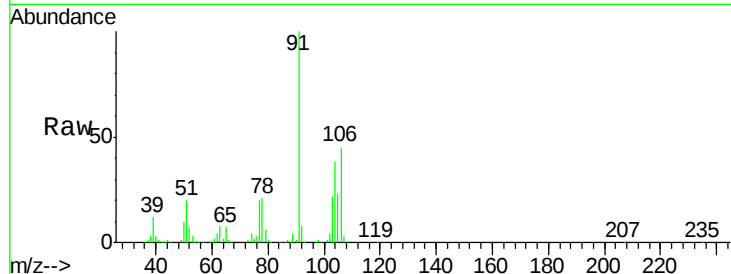
#69
o-Xylene
Concen: 19.971 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	143125		
91	213.2	103.8	311.4	

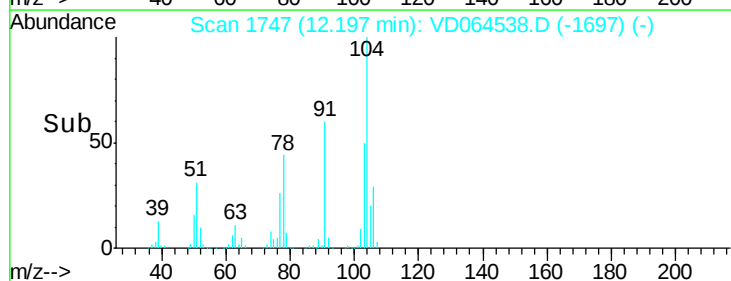
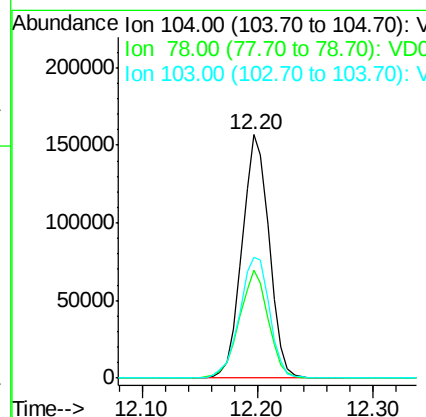
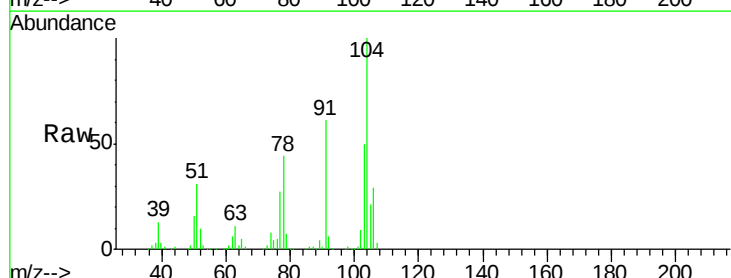
Manual Integrations
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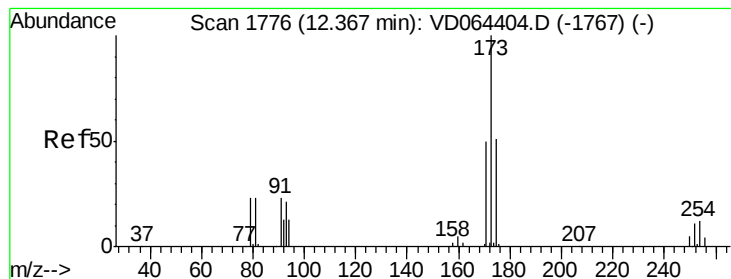
MMDadoda
12/18/2019 1:00:43 PM



#70
Styrene
Concen: 20.461 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	254821		
78	47.2	38.8	58.2	
103	55.2	44.2	66.4	





#71

Bromoform

Concen: 19.020 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

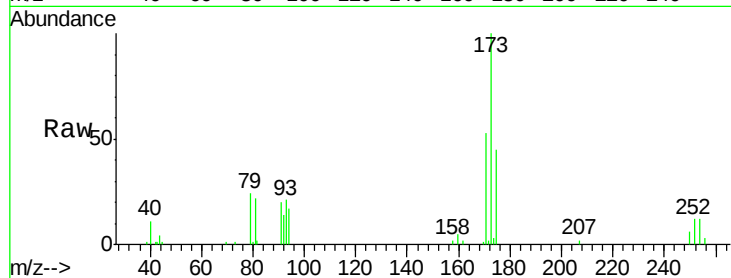
ClientSampleId :

VD1217SBS01

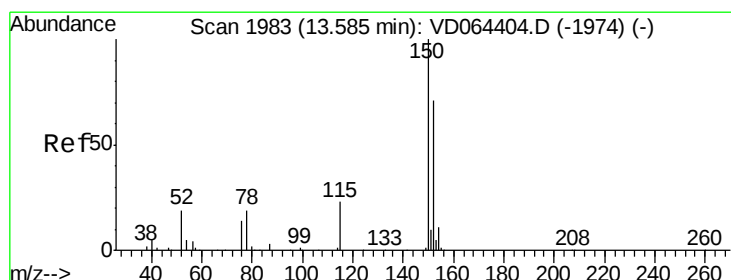
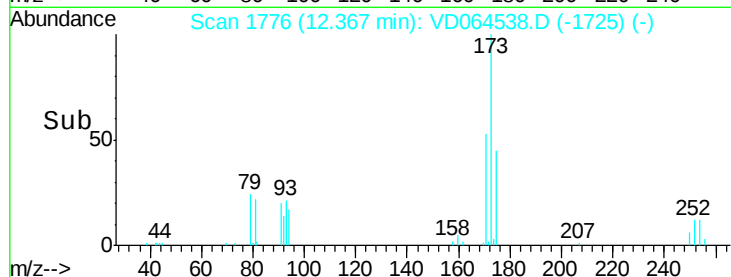
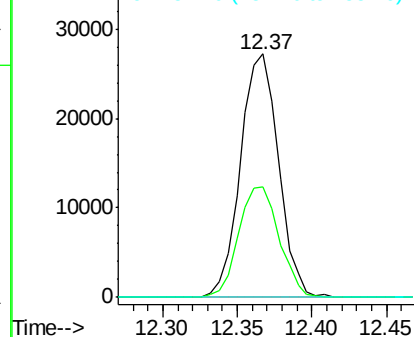
Tot Ion	Ion	Ratio	Resp	Lower	Upper
173	100		48184		
175	48.4	25.3	75.8		
254	0.0	0.0	0.0		

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

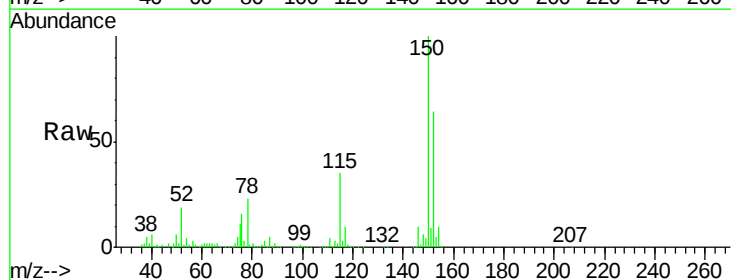
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

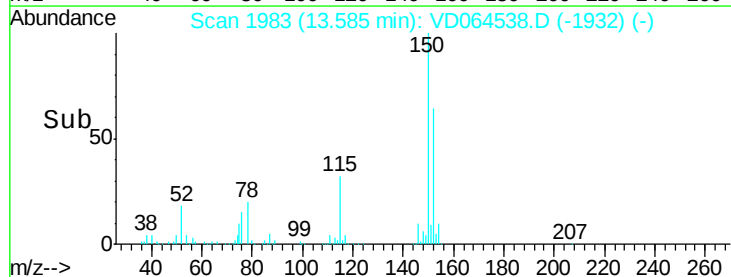
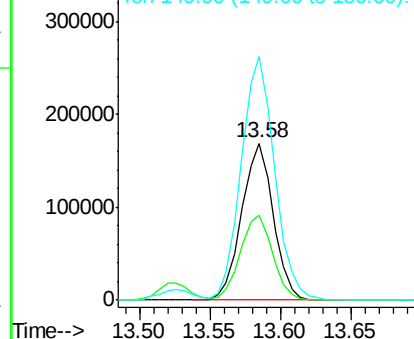
Lab File: VD064538.D

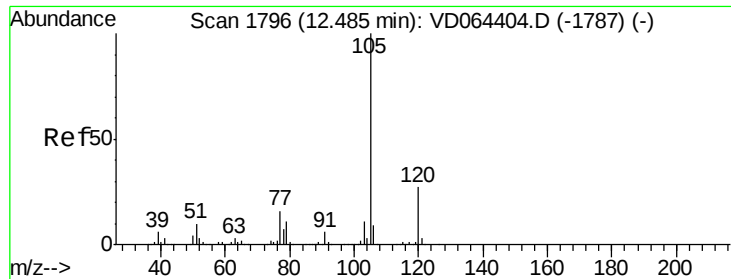
Acq: 17 Dec 2019 11:50

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
152	100		263469		
115	55.1	26.7	80.1		
150	164.9	0.0	347.2		



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.322 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion:105 Resp: 404027

Ion Ratio Lower Upper

105 100

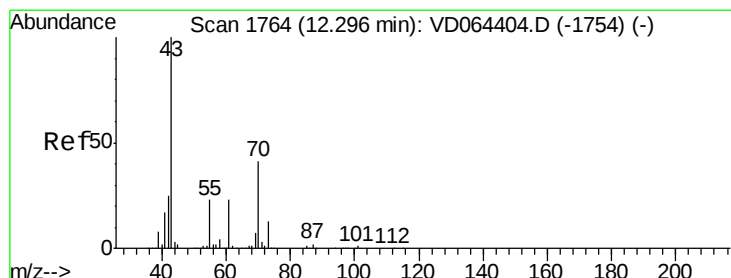
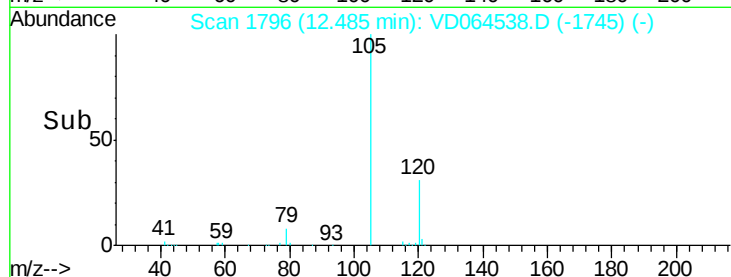
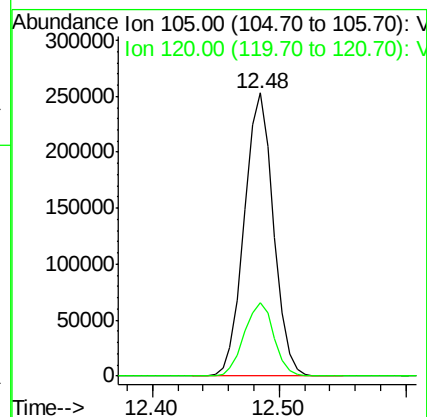
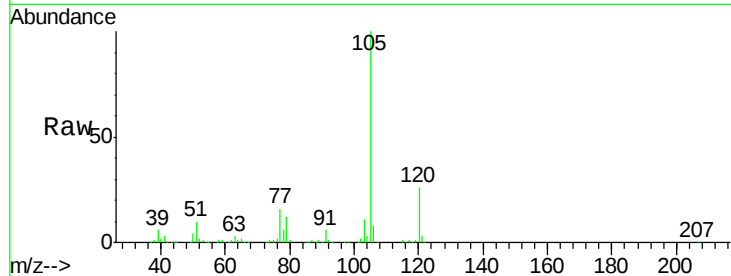
120 26.6 13.4 40.2

Manual Integrations

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#74

N-ethyl acetate

Concen: 18.657 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion: 43 Resp: 80237

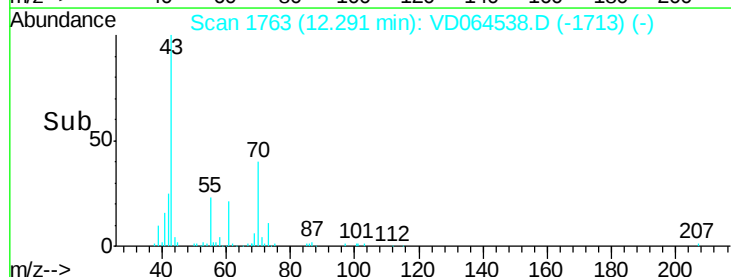
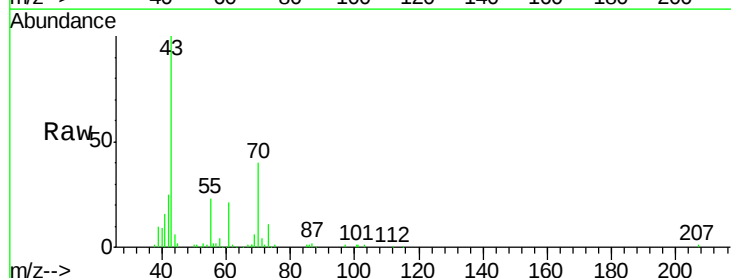
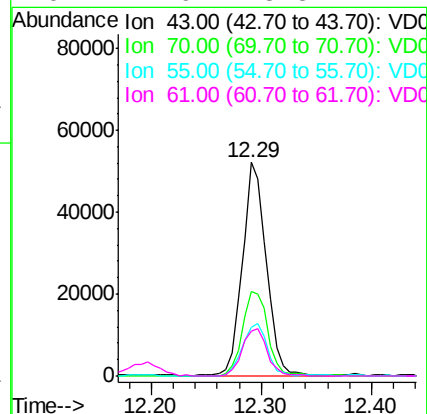
Ion Ratio Lower Upper

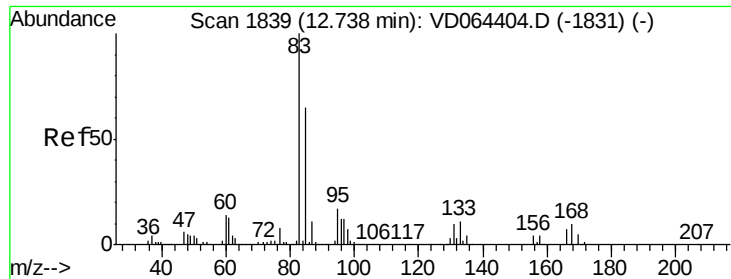
43 100

70 41.6 33.4 50.2

55 25.2 18.9 28.3

61 22.9 18.5 27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.142 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

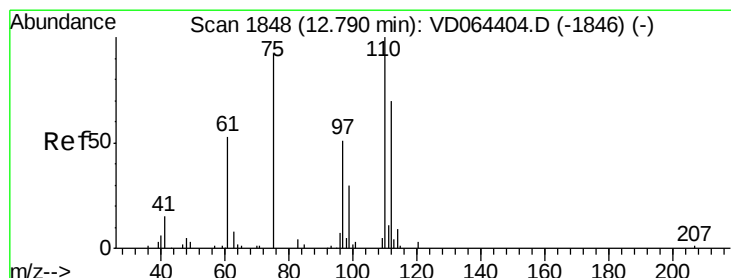
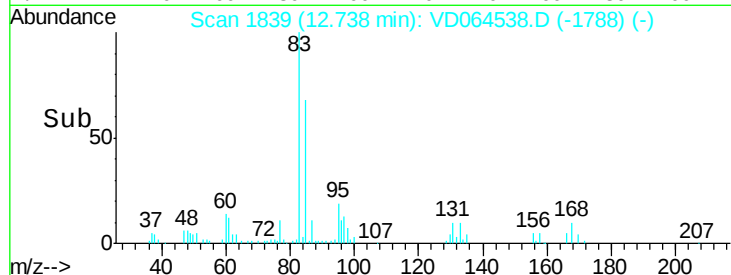
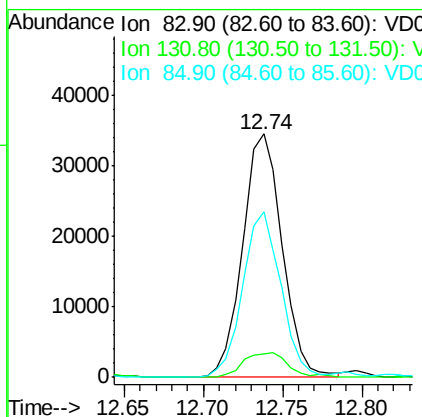
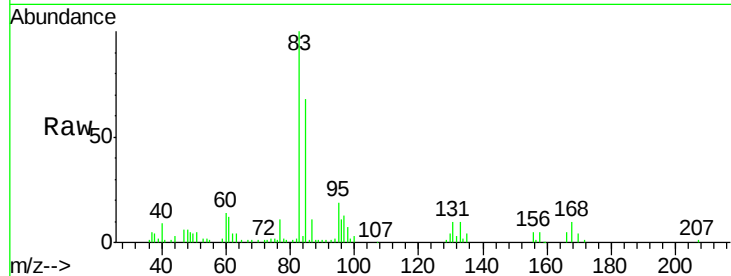
ClientSampleId :

VD1217SBS01

Tot Ion:	83	Resp:	59984
Ion	Ratio	Lower	Upper
83	100		
131	11.8	5.7	17.0
85	65.6	31.3	93.9

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 17.581 ug/l m

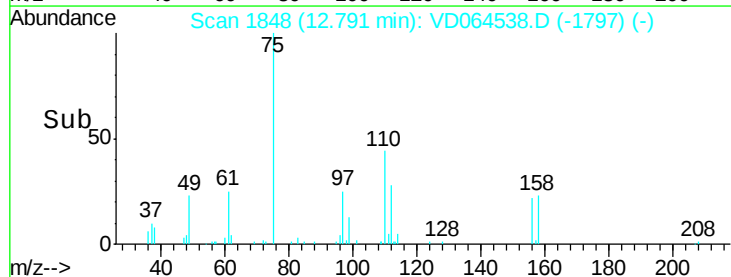
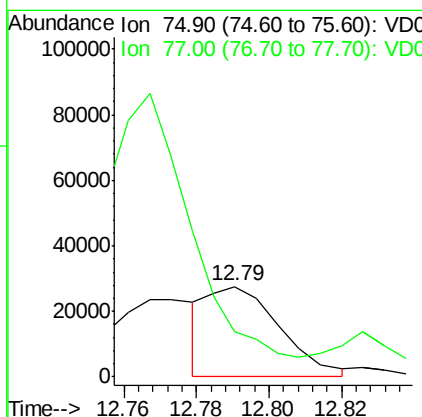
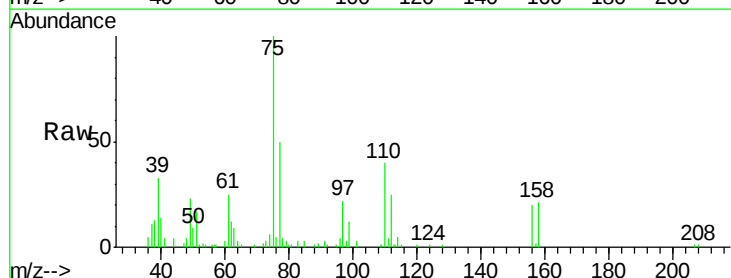
RT: 12.79 min Scan# 1848

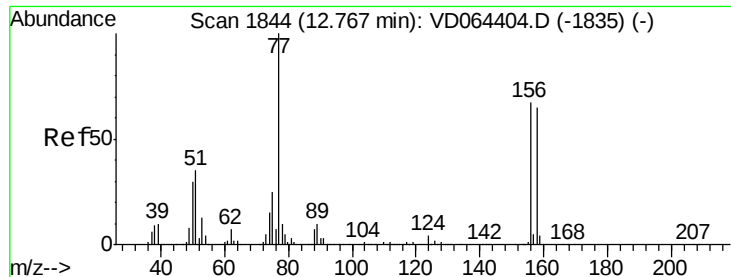
Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion:	75	Resp:	38092
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.870 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

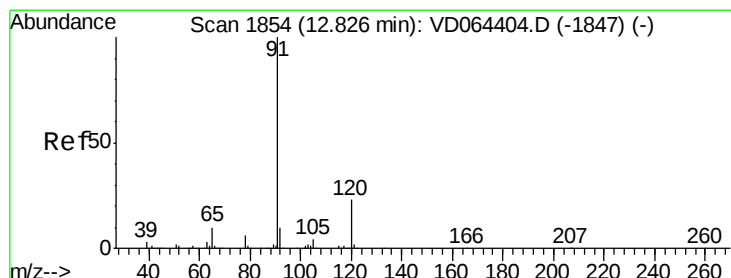
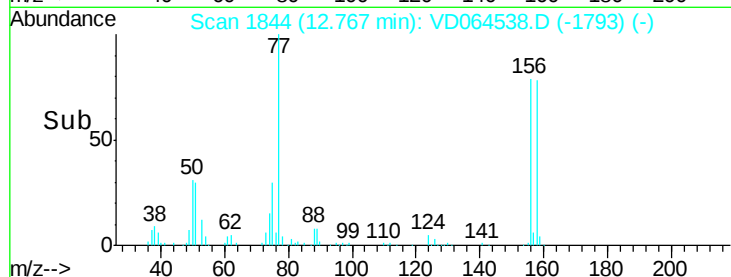
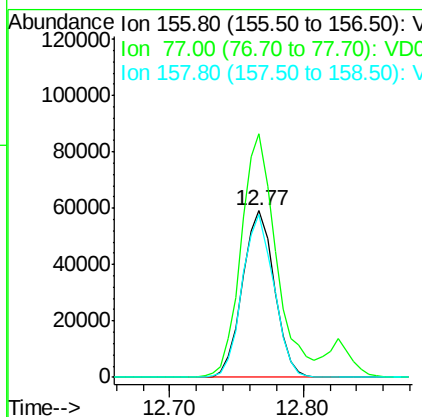
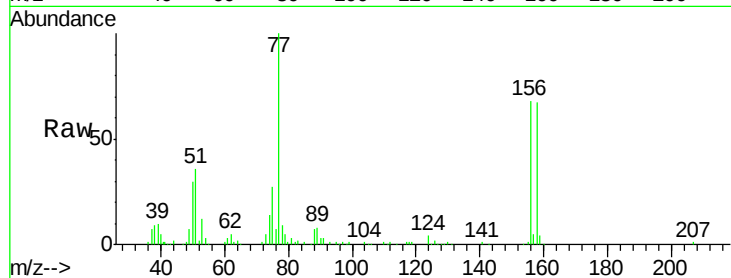
ClientSampleId :

VD1217SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	160.7	80.0	240.2
158	96.3	48.9	146.6

Manual Integrations
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12/18/2019 1:00:43 PM



#78

n-propylbenzene

Concen: 21.403 ug/l

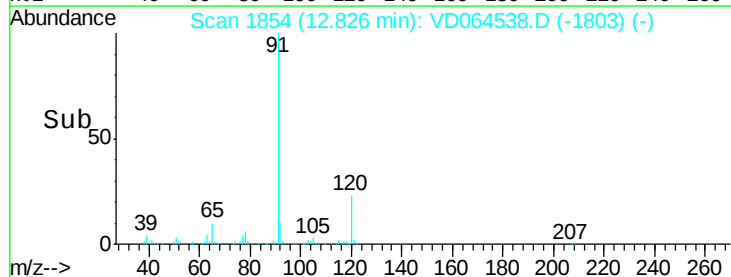
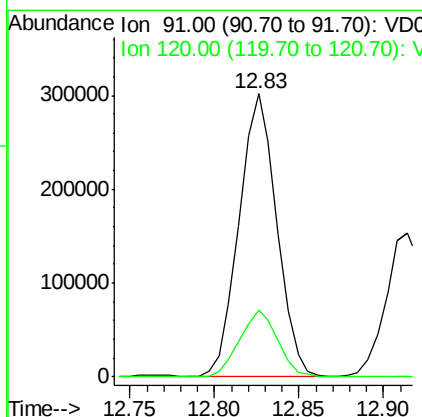
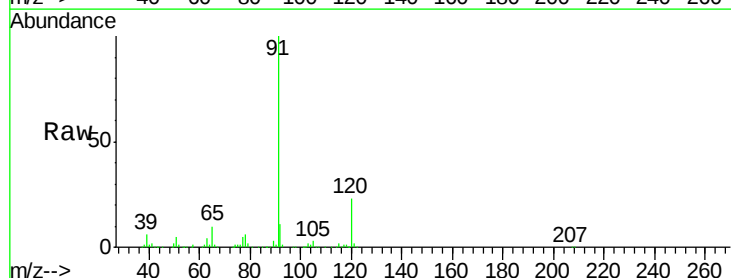
RT: 12.83 min Scan# 1854

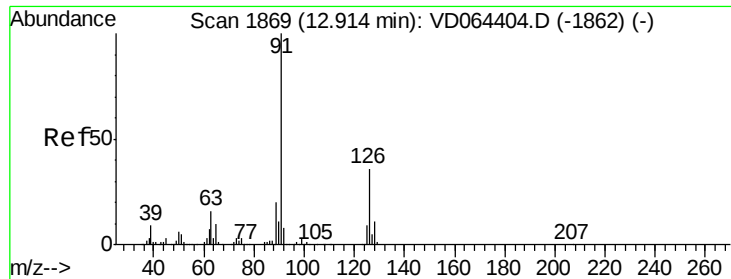
Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 21.021 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

ClientSampleId :

VD1217SBS01

Tot Ion: 91 Resp: 252888

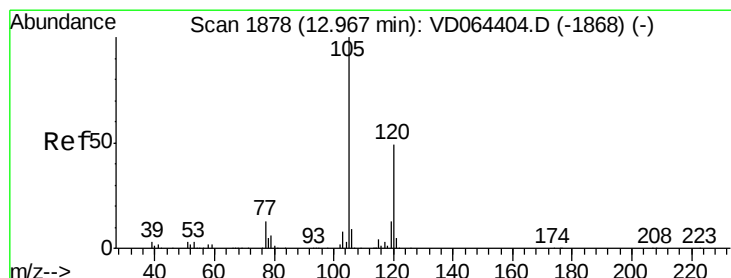
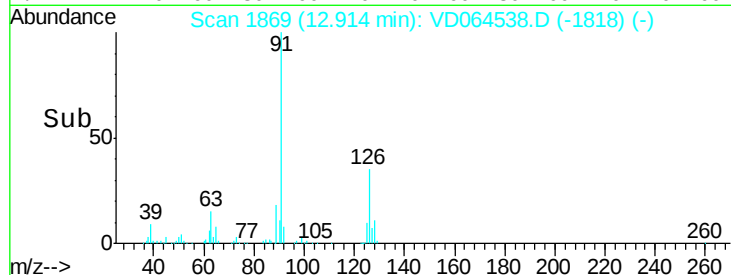
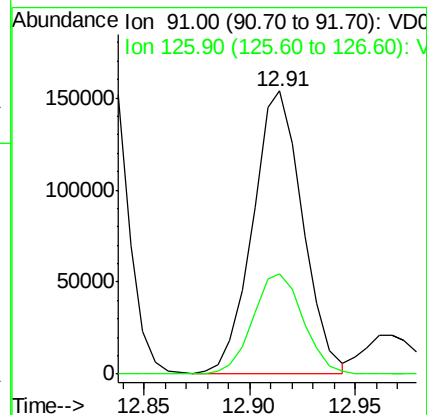
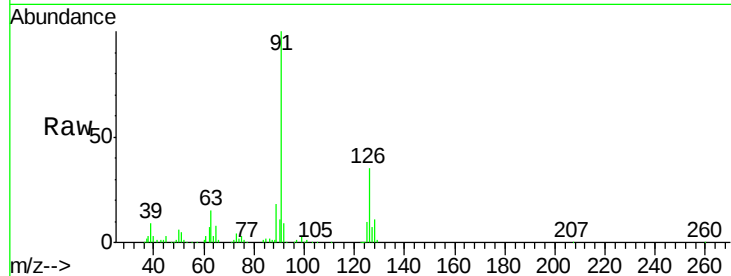
Ion Ratio Lower Upper

91 100

126 35.9 18.0 54.0

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 20.757 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD064538.D

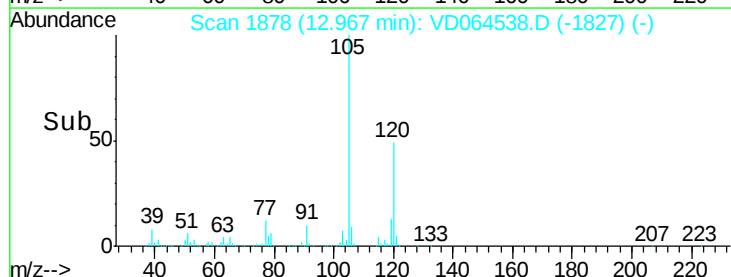
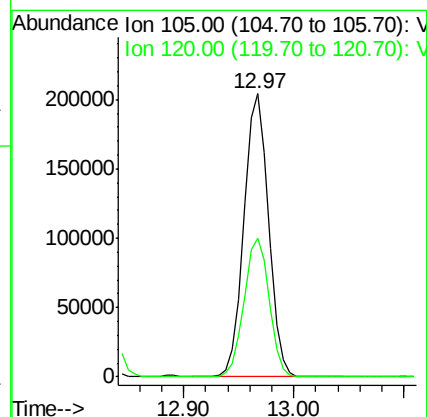
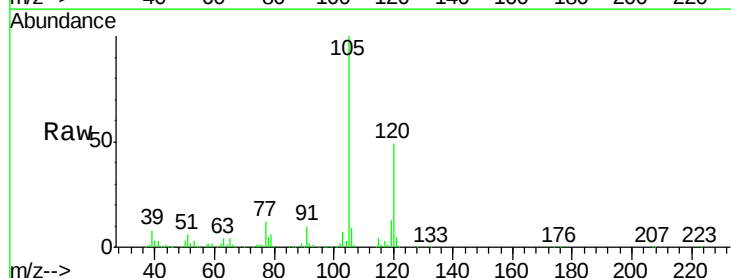
Acq: 17 Dec 2019 11:50

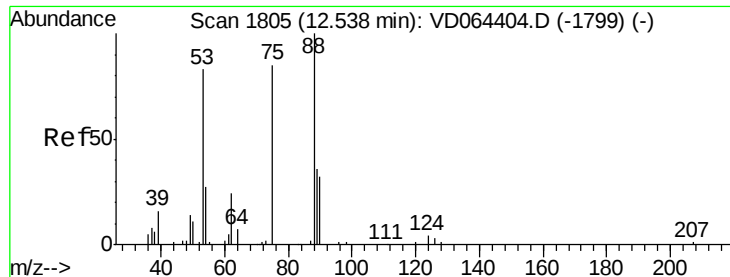
Tgt Ion: 105 Resp: 321420

Ion Ratio Lower Upper

105 100

120 50.0 25.1 75.3





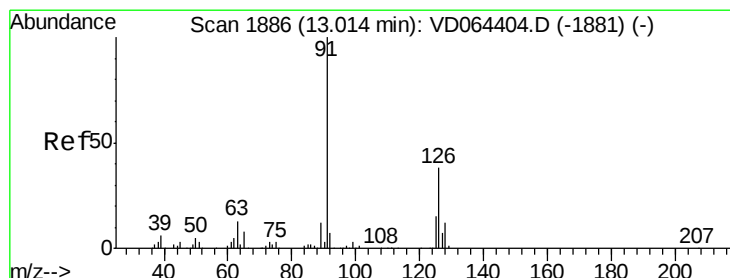
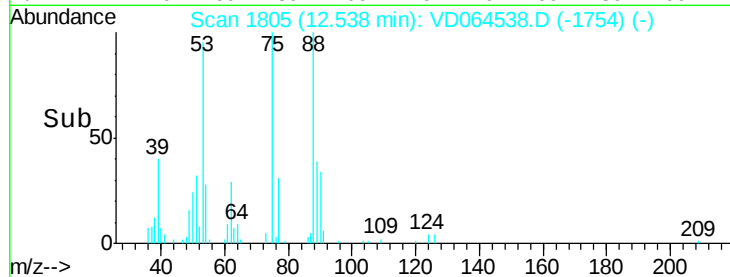
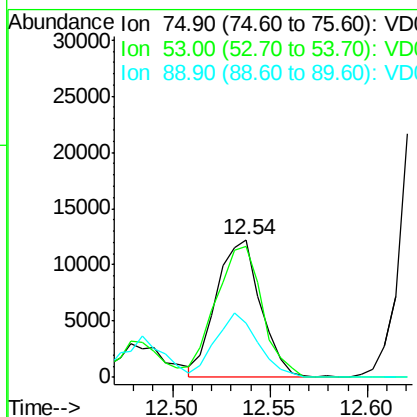
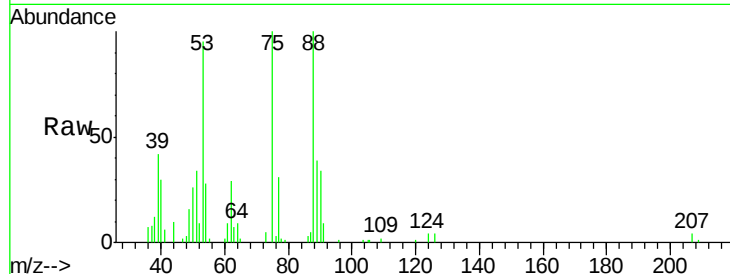
#81
trans-1,4-Dichloro-2-butene
Concen: 19.425 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.0	81.0	121.6
89	44.8	38.5	57.7

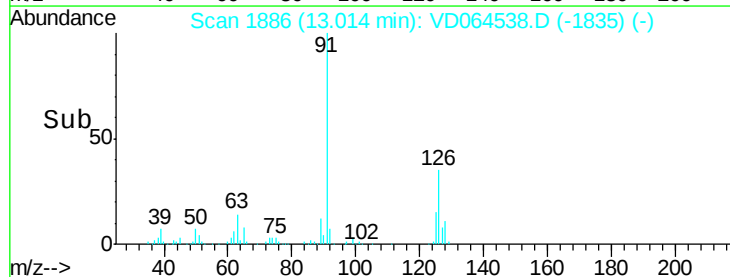
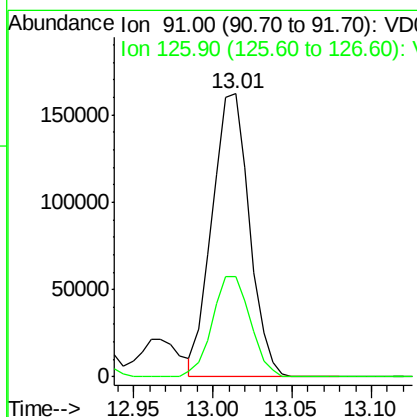
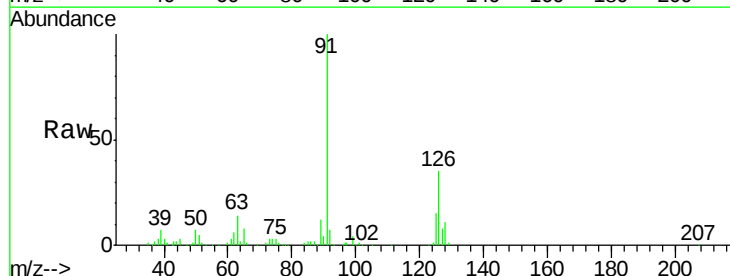
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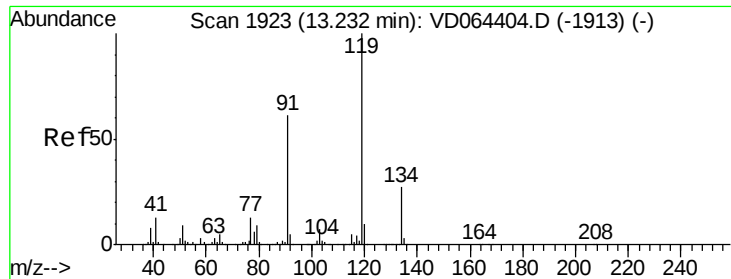
MMDadoda
12/18/2019 1:00:43 PM



#82
4-Chlorotoluene
Concen: 20.839 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.3	18.2	54.6





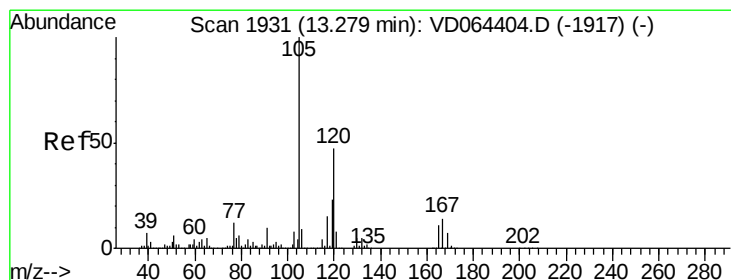
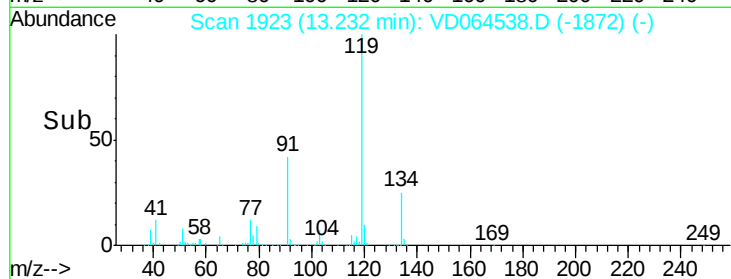
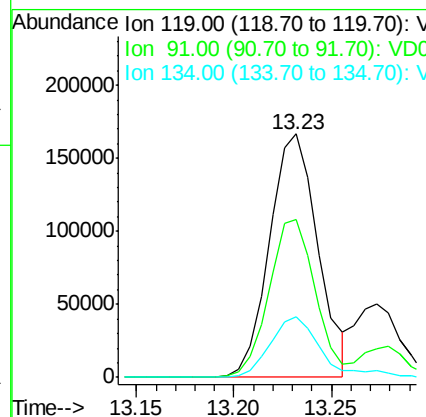
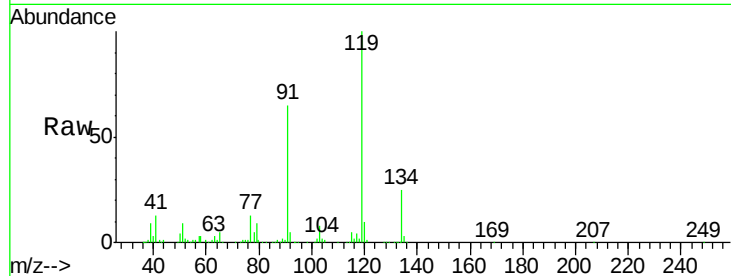
#83
tert-Butylbenzene
Concen: 21.289 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	286596		
91	61.8		31.2	93.6
134	26.3		13.9	41.7

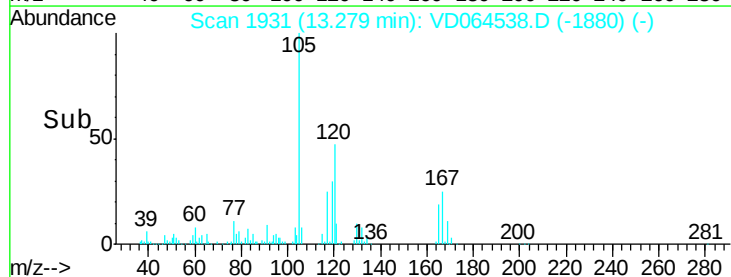
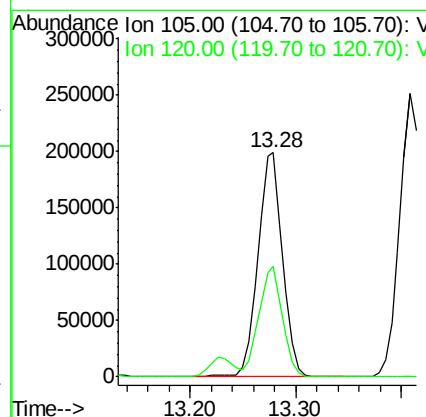
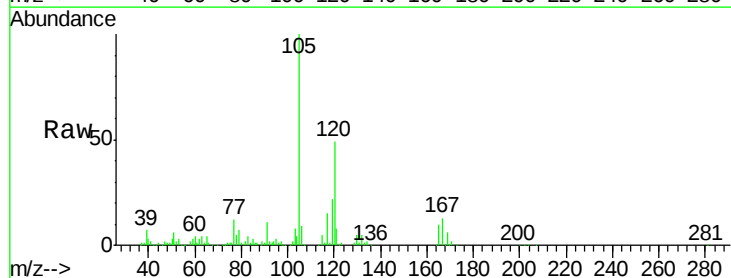
Manual Integrations
APPROVED

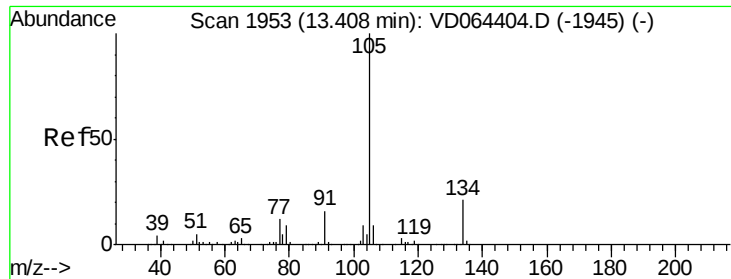
MMDadoda
12/18/2019 1:00:43 PM



#84
1,2,4-Trimethylbenzene
Concen: 20.768 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	323368		
120	47.2		23.6	70.8





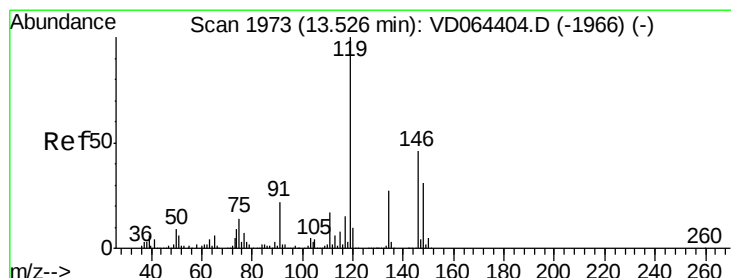
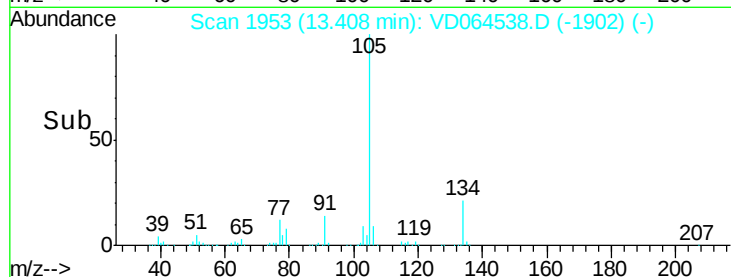
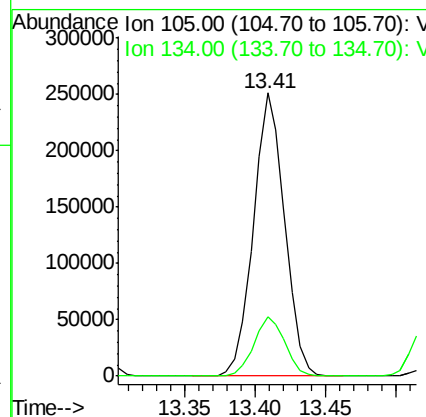
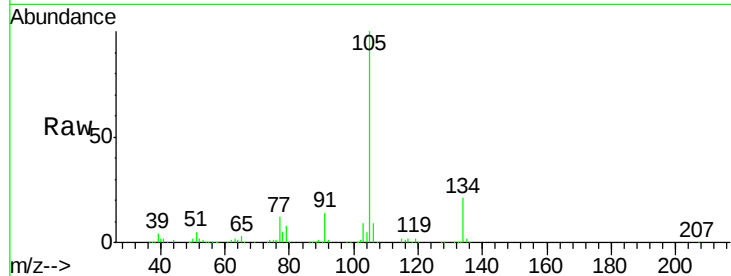
#85
 sec-Butylbenzene
 Concen: 21.082 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
105	100	389532		
134	20.9	10.5	31.5	

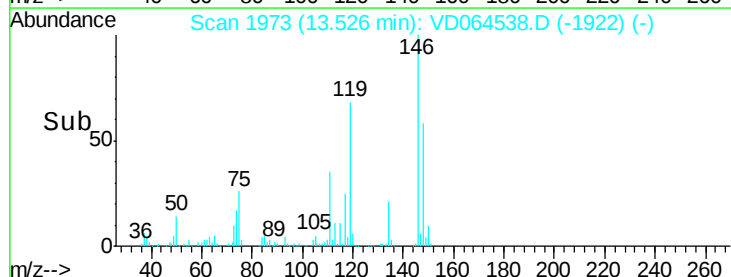
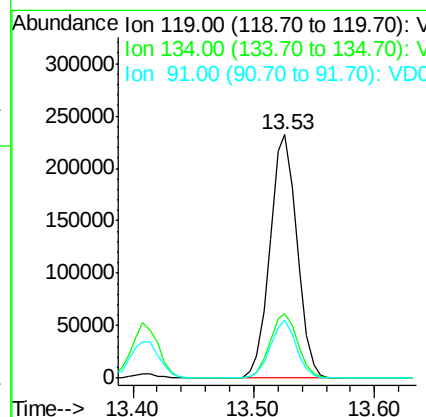
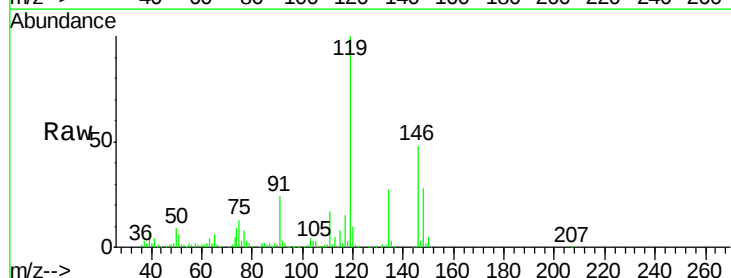
Manual Integrations
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 12/18/2019 1:00:43 PM



#86
 p-Isopropyltoluene
 Concen: 20.510 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	357768		
134	27.0	13.5	40.4	
91	22.3	11.2	33.5	





#87

1,3-Dichlorobenzene

Concen: 20.398 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

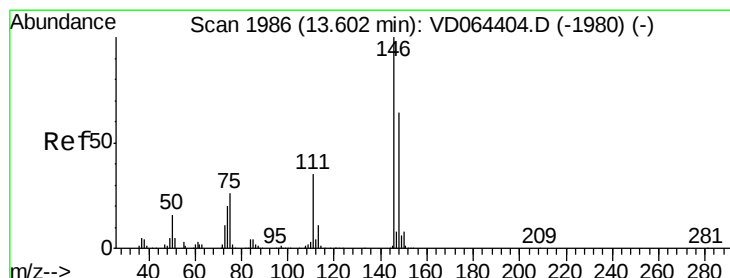
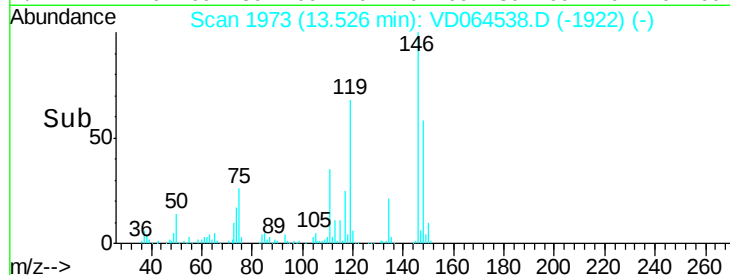
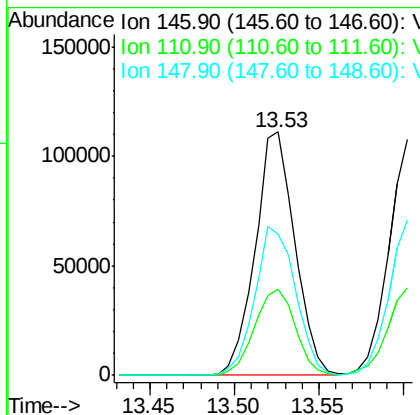
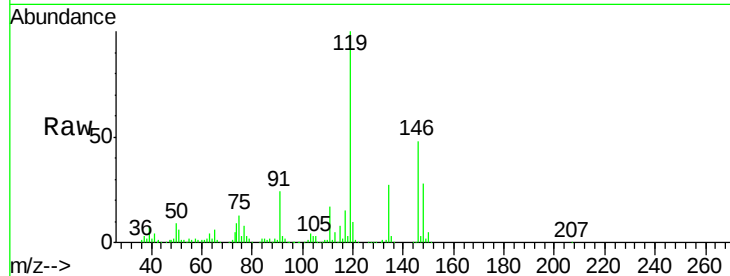
ClientSampleId :

VD1217SBS01

Tot Ion:	146	Resp:	181162
Ion Ratio	Lower	Upper	
146	100		
111	36.3	18.8	56.4
148	62.4	32.6	97.8

Manual Integrations
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12/18/2019 1:00:43 PM



#88

1,4-Dichlorobenzene

Concen: 20.371 ug/l

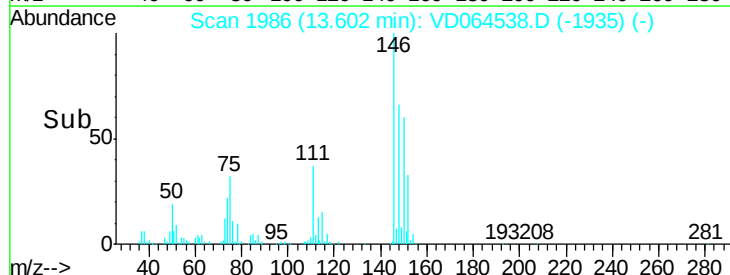
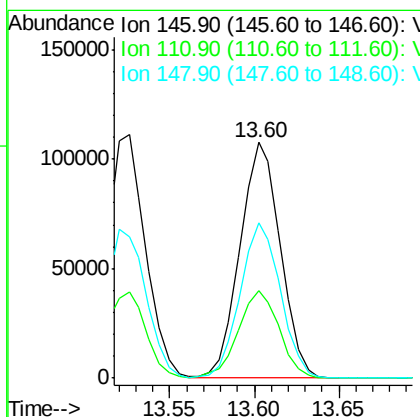
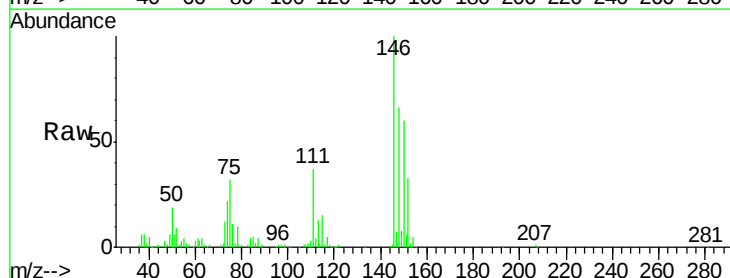
RT: 13.60 min Scan# 1986

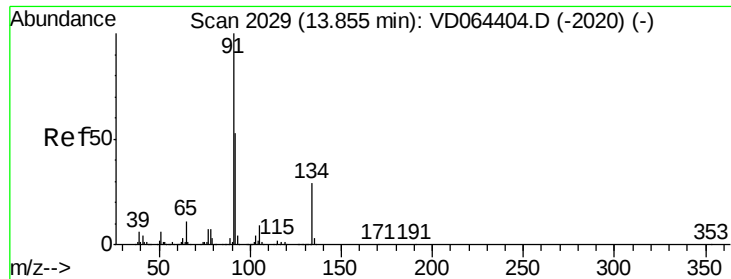
Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion:	146	Resp:	178626
Ion Ratio	Lower	Upper	
146	100		
111	37.4	18.2	54.6
148	65.9	31.8	95.4





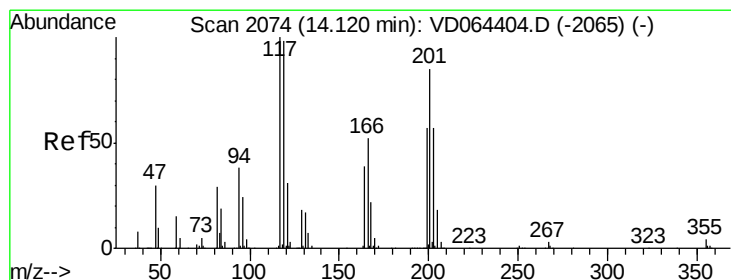
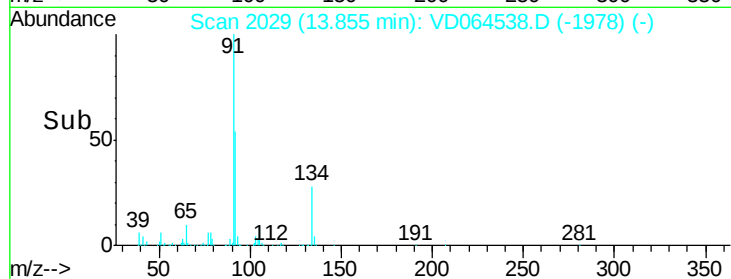
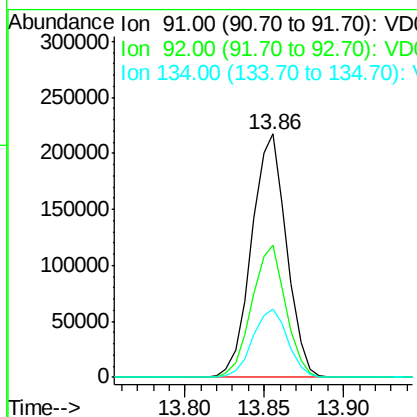
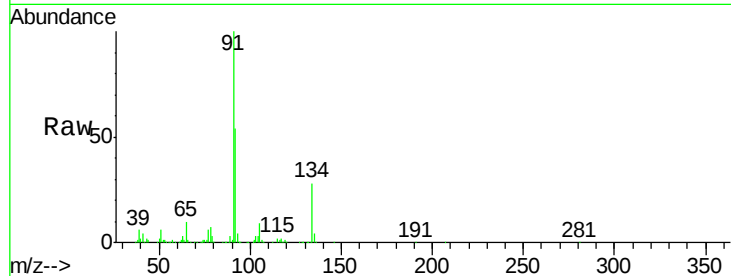
#89
n-Butylbenzene
Concen: 21.008 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Instrument :
MSVOA_D
ClientSampleId :
VD1217SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.8	26.5	79.4
134	28.3	13.9	41.7

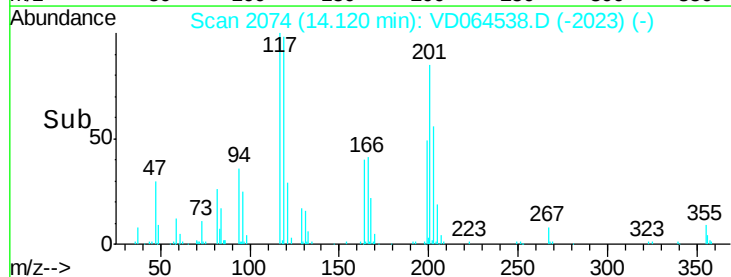
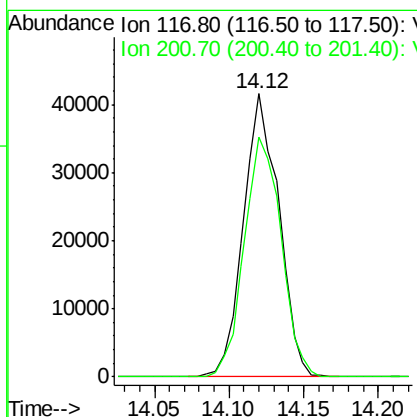
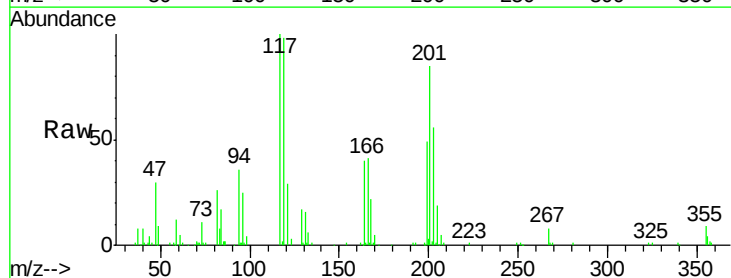
Manual Integrations
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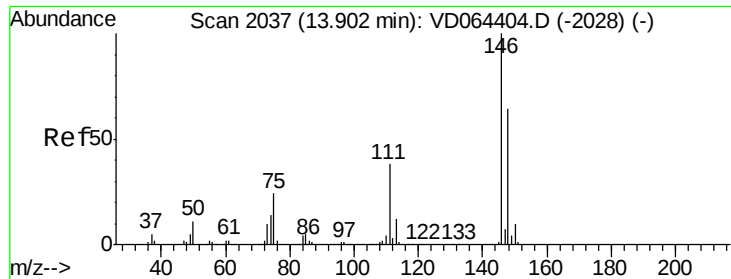
MMDadoda
12/18/2019 1:00:43 PM



#90
Hexachloroethane
Concen: 20.875 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD064538.D
Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	44.3	132.8





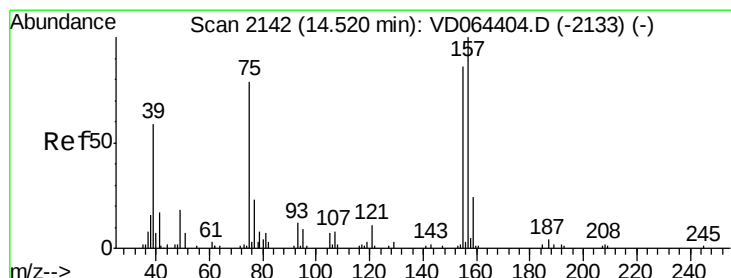
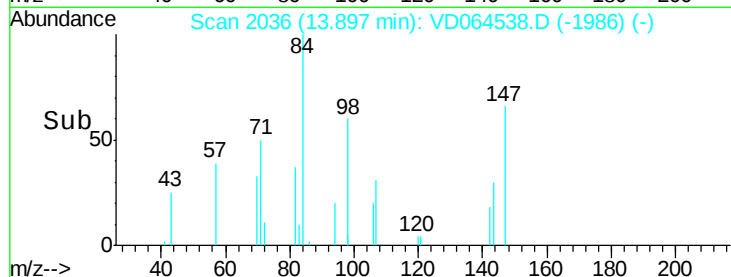
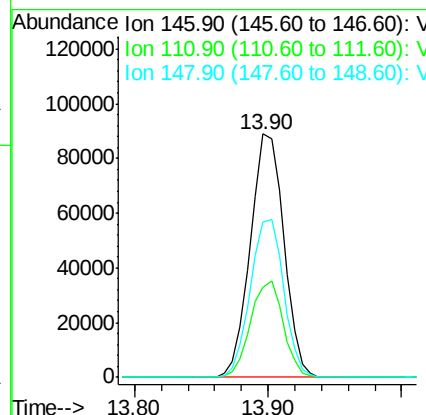
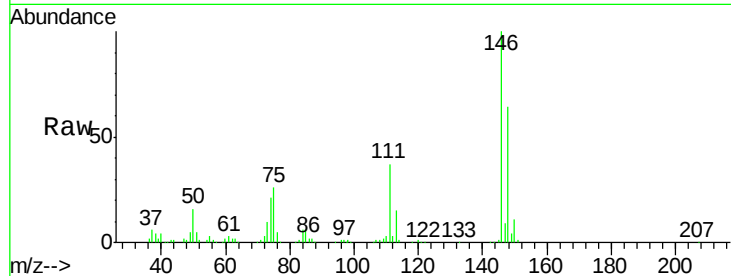
#91
 1,2-Dichlorobenzene
 Concen: 20.300 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.1	57.3
148	64.6	32.0	96.0

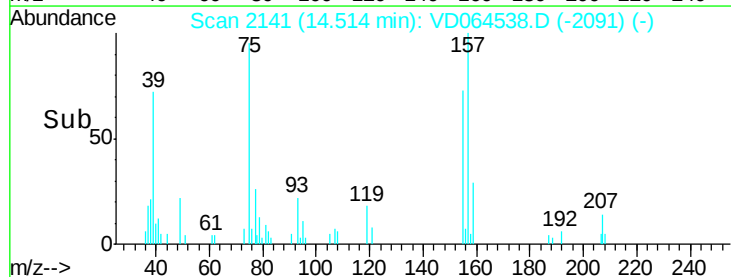
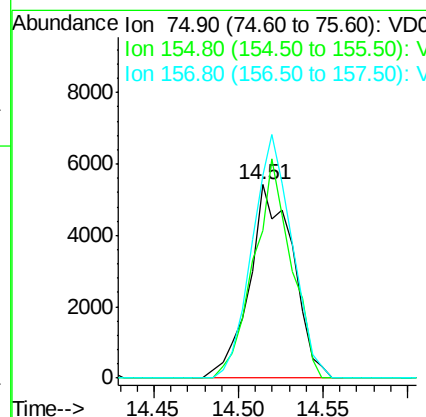
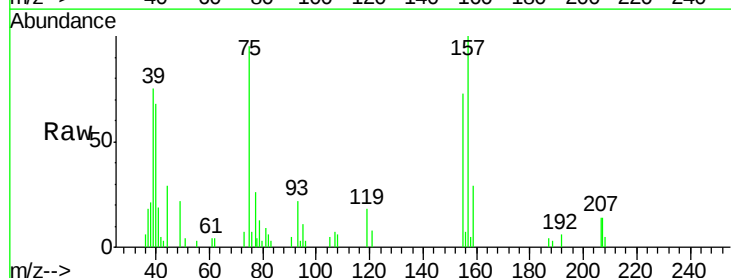
Manual Integrations
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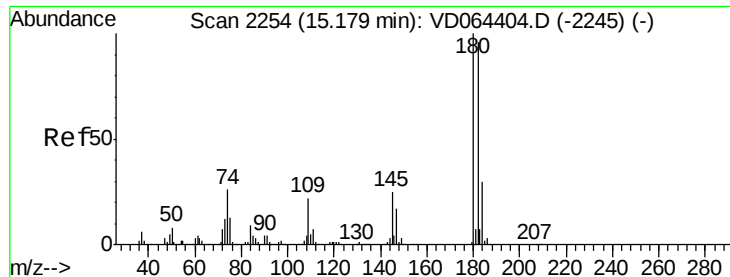
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.862 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.8	51.9	155.7
157	115.1	63.2	189.8





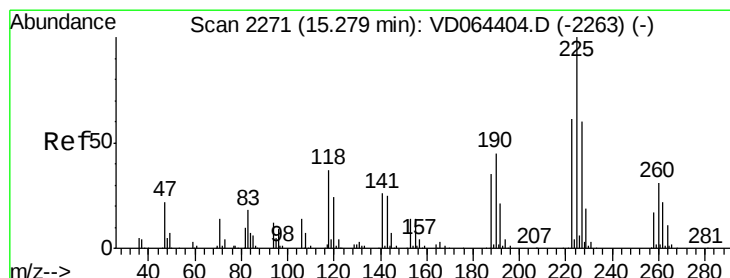
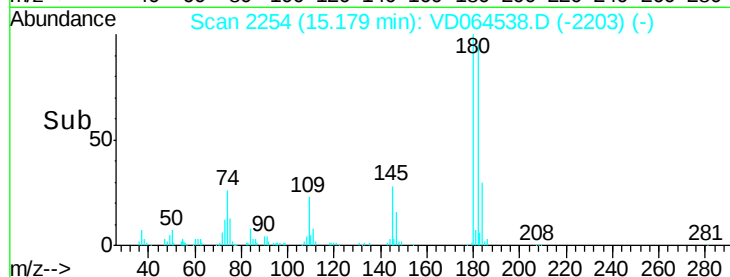
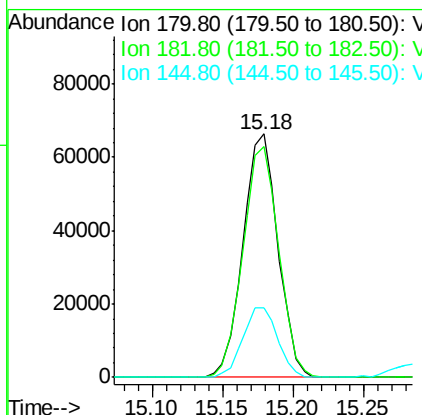
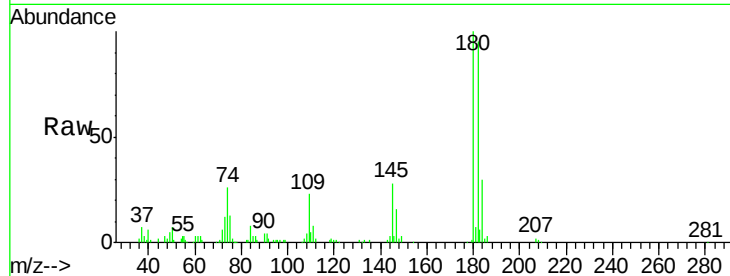
#93
 1,2,4-Trichlorobenzene
 Concen: 19.828 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1217SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115260		
182	97.2	47.4	142.3	
145	28.6	14.0	41.9	

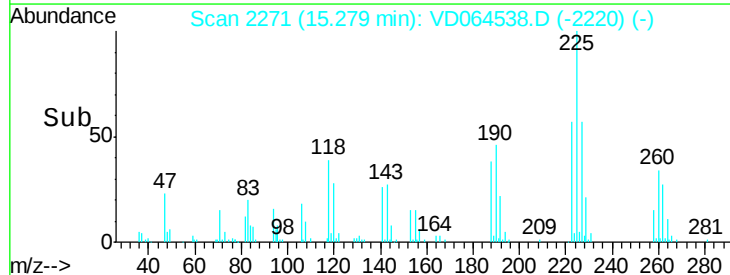
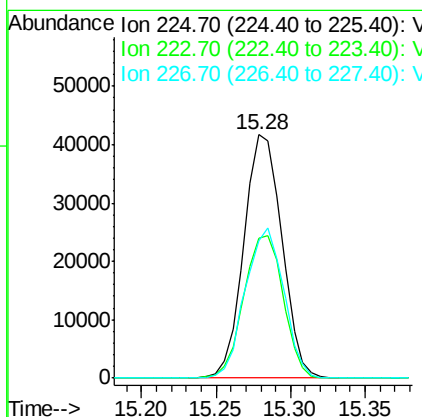
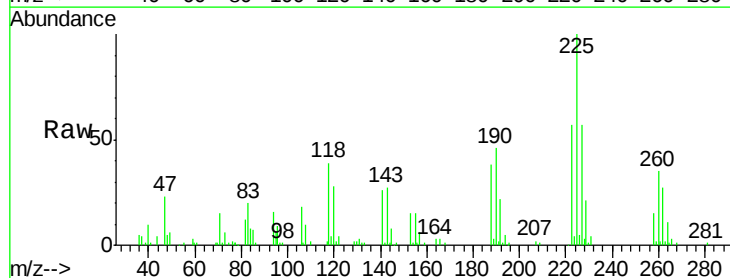
Manual Integrations
 APPROVED

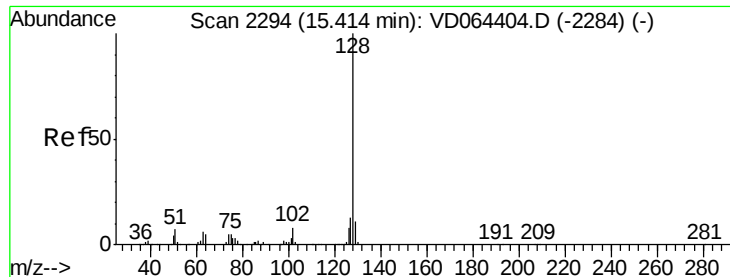
MMDadoda
 12/18/2019 1:00:43 PM



#94
 Hexachlorobutadiene
 Concen: 20.505 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD064538.D
 Acq: 17 Dec 2019 11:50

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	73582		
223	60.8	31.1	93.3	
227	62.5	31.8	95.4	





#95

Naphthalene

Concen: 18.497 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Instrument :

MSVOA_D

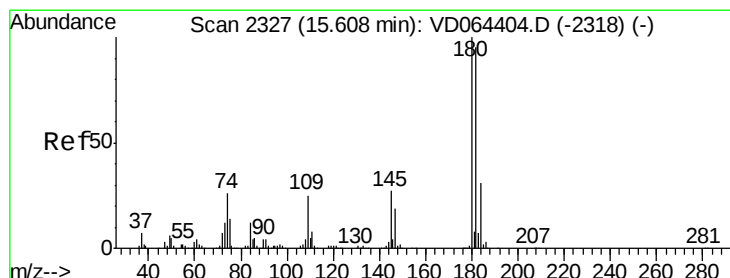
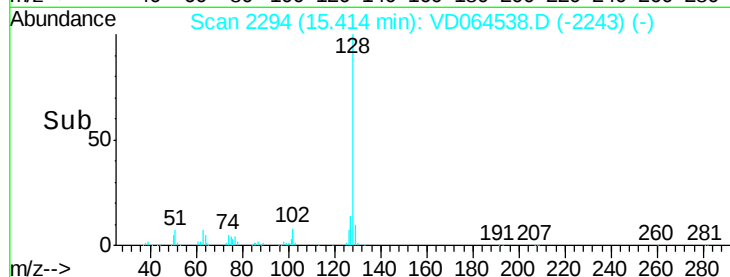
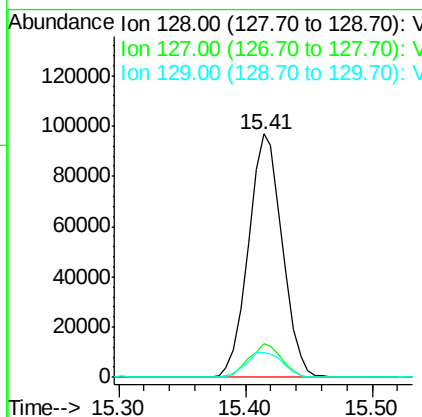
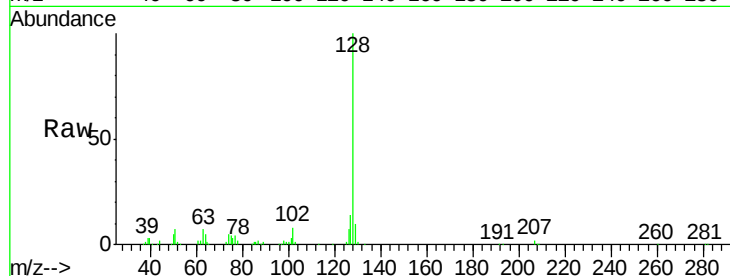
ClientSampleId :

VD1217SBS01

Tot Ion:	128	Resp:	179444
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.5	15.7
129	11.2	8.8	13.2

Manual Integrations
APPROVED

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12/18/2019 1:00:43 PM



#96

1,2,3-Trichlorobenzene

Concen: 19.106 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD064538.D

Acq: 17 Dec 2019 11:50

Tgt Ion:	180	Resp:	94801
Ion Ratio	Lower	Upper	
180	100		
182	97.0	47.6	142.9
145	29.4	14.6	43.8

