

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063826.D
 Acq On : 25 Sep 2019 16:58
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 9:25:59 AM

Quant Time: Sep 26 11:12:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	8.00	168	243496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	386687	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	367405	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	187667	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.35	65	11721	5.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	10.22%	
35) Dibromofluoromethane	7.94	113	11873	4.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.68%	
50) Toluene-d8	10.36	98	45610	4.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.88%	
62) 4-Bromofluorobenzene	12.64	95	15354	4.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.26%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	8874	5.314	ug/l	86
3) Chloromethane	2.22	50	30467	6.020	ug/l	94
4) Vinyl Chloride	2.36	62	29227	5.659	ug/l	91
5) Bromomethane	2.78	94	17235	5.704	ug/l	94
6) Chloroethane	2.94	64	24233	6.813	ug/l	94
7) Trichlorofluoromethane	3.29	101	39574	5.699	ug/l	99
8) Diethyl Ether	3.71	74	7136m	6.303	ug/l	
9) 1,1,2-Trichlorotrifluoroet	4.10	101	11365	5.517	ug/l	98
10) Methyl Iodide	4.32	142	11391	4.632	ug/l #	90
11) Tert butyl alcohol	5.27	59	5822	32.775	ug/l #	72
12) 1,1-Dichloroethene	4.08	96	12128	5.833	ug/l #	74
13) Acrolein	3.94	56	6109m	28.247	ug/l	
14) Allyl chloride	4.73	41	19587	5.960	ug/l #	81
15) Acrylonitrile	5.45	53	14157	28.304	ug/l	96
16) Acetone	4.18	43	16243	31.561	ug/l	97
17) Carbon Disulfide	4.43	76	37674	5.360	ug/l #	95
18) Methyl Acetate	4.75	43	8398	6.627	ug/l	96
19) Methyl tert-butyl Ether	5.51	73	28334	5.443	ug/l	93
20) Methylene Chloride	4.99	84	23168	7.482	ug/l	90
21) trans-1,2-Dichloroethene	5.50	96	13590	5.615	ug/l	98
22) Diisopropyl ether	6.39	45	39991	5.891	ug/l	93
23) Vinyl Acetate	6.33	43	110619	27.552	ug/l	99
24) 1,1-Dichloroethane	6.30	63	23145	5.612	ug/l #	93
25) 2-Butanone	7.26	43	20032	29.773	ug/l #	83
26) 2,2-Dichloropropane	7.23	77	22943	5.949	ug/l	100
27) cis-1,2-Dichloroethene	7.23	96	14804	5.451	ug/l	94
28) Bromochloromethane	7.58	49	9097	5.622	ug/l #	97
29) Tetrahydrofuran	7.60	42	11595	28.761	ug/l	97
30) Chloroform	7.74	83	25069	5.597	ug/l	97
31) Cyclohexane	8.01	56	25862	6.282	ug/l #	74
32) 1,1,1-Trichloroethane	7.93	97	22462	5.546	ug/l	97
36) 1,1-Dichloropropene	8.13	75	19314	5.476	ug/l	99
37) Ethyl Acetate	7.33	43	9039	6.136	ug/l #	93
38) Carbon Tetrachloride	8.11	117	20351	5.543	ug/l	89

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MMDadoda
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 Quant Title : SW846 8260
 QLast Update : Thu Sep 26 11:05:05 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	24682	5.620	ug/l	93
40) Benzene	8.37	78	52201	5.374	ug/l	92
41) Methacrylonitrile	7.54	41	5588	6.423	ug/l #	88
42) 1,2-Dichloroethane	8.44	62	15797	5.561	ug/l	99
43) Isopropyl Acetate	8.48	43	16976	5.748	ug/l	99
44) Trichloroethene	9.13	130	15047	5.349	ug/l	98
45) 1,2-Dichloropropane	9.41	63	13544	5.644	ug/l #	86
46) Dibromomethane	9.50	93	7628	5.632	ug/l	96
47) Bromodichloromethane	9.68	83	18176	5.206	ug/l	89
48) Methyl methacrylate	9.48	41	7149	5.322	ug/l	95
49) 1,4-Dioxane	9.48	88	2114	111.890	ug/l #	90
51) 4-Methyl-2-Pentanone	10.25	43	42265	28.409	ug/l	94
52) Toluene	10.41	92	36087	5.479	ug/l	98
53) t-1,3-Dichloropropene	10.64	75	17678	5.108	ug/l	90
54) cis-1,3-Dichloropropene	10.11	75	19761	5.030	ug/l	95
55) 1,1,2-Trichloroethane	10.82	97	10362	5.415	ug/l	97
56) Ethyl methacrylate	10.68	69	13360	5.493	ug/l	89
57) 1,3-Dichloropropane	10.97	76	17183	5.284	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.96	63	27801	25.573	ug/l	99
59) 2-Hexanone	11.00	43	29993	28.255	ug/l	93
60) Dibromochloromethane	11.16	129	12688	5.024	ug/l	100
61) 1,2-Dibromoethane	11.26	107	10188	5.325	ug/l	98
64) Tetrachloroethene	10.89	164	13769	5.564	ug/l	95
65) Chlorobenzene	11.68	112	39304	5.318	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.76	131	14693	5.410	ug/l	95
67) Ethyl Benzene	11.76	91	70157	5.255	ug/l	97
68) m/p-Xylenes	11.87	106	54749	10.680	ug/l	100
69) o-Xylene	12.19	106	25644	5.300	ug/l	98
70) Styrene	12.21	104	40867	4.990	ug/l	93
71) Bromoform	12.37	173	6945	4.603	ug/l #	90
73) Isopropylbenzene	12.49	105	69980	5.459	ug/l	99
74) N-amyl acetate	12.30	43	15687	5.590	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	11865	5.553	ug/l	95
76) 1,2,3-Trichloropropane	12.80	75	8075m	6.785	ug/l	
77) Bromobenzene	12.77	156	16428	5.333	ug/l	93
78) n-propylbenzene	12.83	91	80910	5.365	ug/l	97
79) 2-Chlorotoluene	12.92	91	42709	5.251	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	55358	5.181	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.55	75	4089	5.739	ug/l #	89
82) 4-Chlorotoluene	13.01	91	48001	5.532	ug/l	97
83) tert-Butylbenzene	13.23	119	50054	5.361	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	57881	5.336	ug/l	94
85) sec-Butylbenzene	13.41	105	70327	5.413	ug/l	99
86) p-Isopropyltoluene	13.53	119	64073	5.251	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	31023	5.129	ug/l	96
88) 1,4-Dichlorobenzene	13.61	146	32738	5.442	ug/l	94
89) n-Butylbenzene	13.86	91	63191	5.441	ug/l	99
90) Hexachloroethane	14.13	117	12007	5.313	ug/l	90
91) 1,2-Dichlorobenzene	13.90	146	25682	4.950	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1934	5.365	ug/l	91

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Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

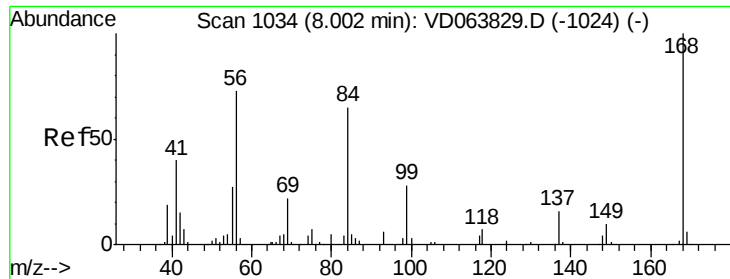
Manual Integrations
APPROVED

MMDadoda
10/1/2019 9:25:59 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D092519S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 26 11:05:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	20854	5.293	ug/l	96
94) Hexachlorobutadiene	15.28	225	11075	4.961	ug/l	90
95) Naphthalene	15.41	128	37185	5.256	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	18821	5.388	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1033

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 243496

Ion Ratio Lower Upper

168 100

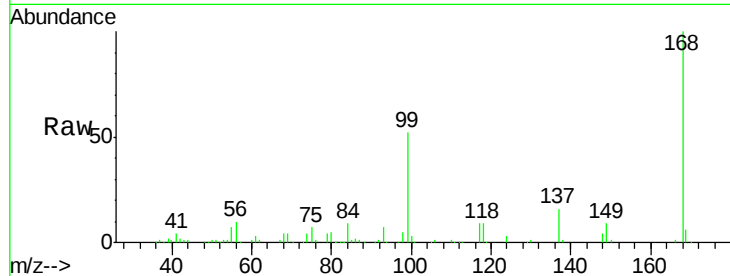
99 52.4 41.2 61.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

8.00

100000

80000

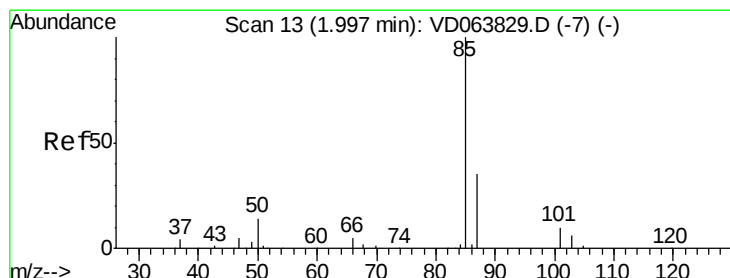
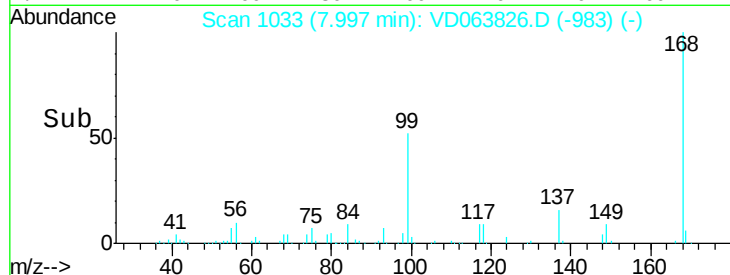
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.314 ug/l

RT: 2.00 min Scan# 13

Delta R.T. -0.00 min

Lab File: VD063826.D

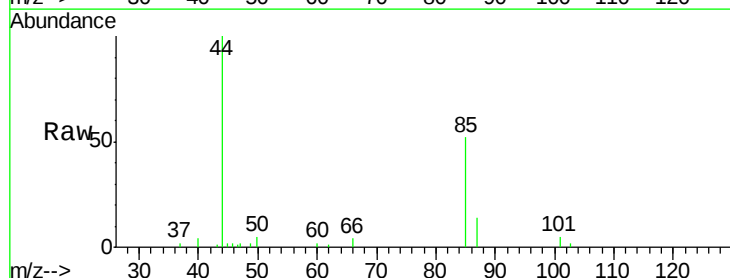
Acq: 25 Sep 2019 16:58

Tgt Ion: 85 Resp: 8874

Ion Ratio Lower Upper

85 100

87 26.2 17.3 51.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

2.00

8000

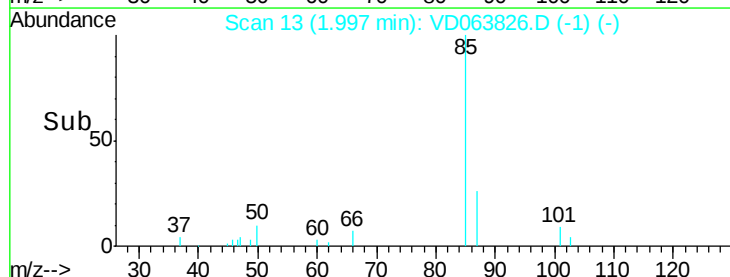
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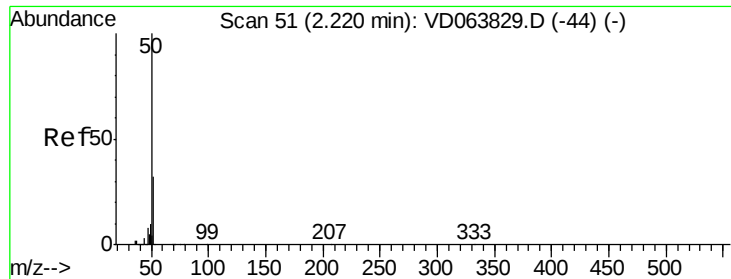
4000

2000

0

Time-->





#3

Chloromethane

Concen: 6.020 ug/l

RT: 2.22 min Scan# 51

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 30467

Ion Ratio Lower Upper

50 100

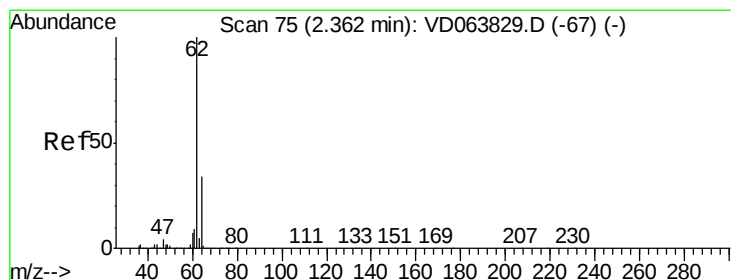
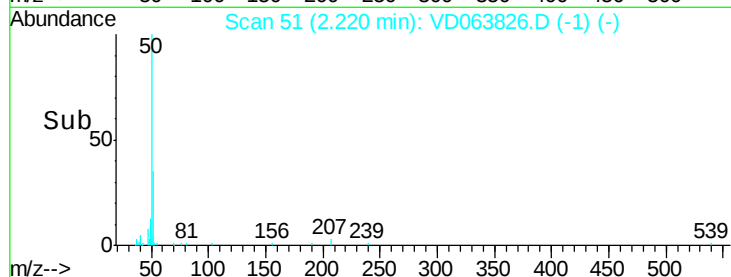
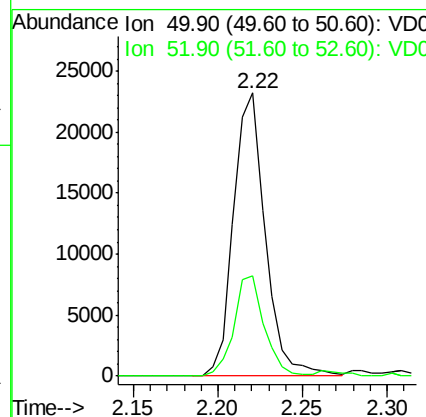
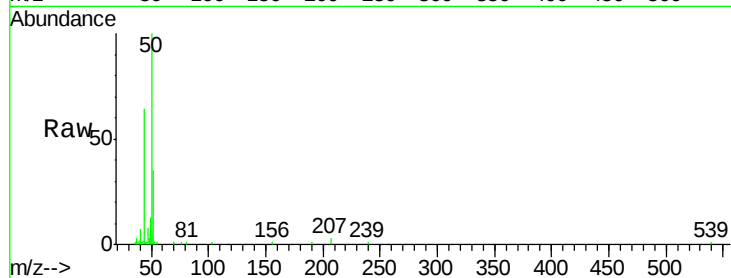
52 35.4 25.6 38.4

Manual Integrations

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10/1/2019 9:25:59 AM



#4

Vinyl Chloride

Concen: 5.659 ug/l

RT: 2.36 min Scan# 74

Delta R.T. -0.01 min

Lab File: VD063826.D

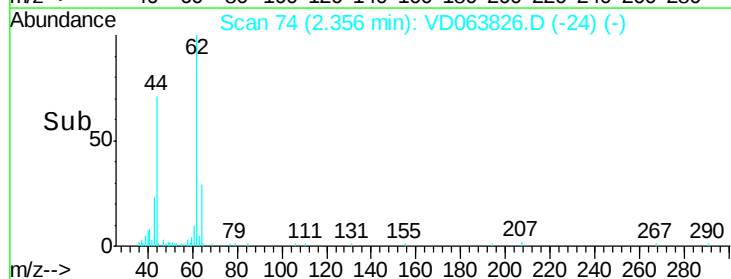
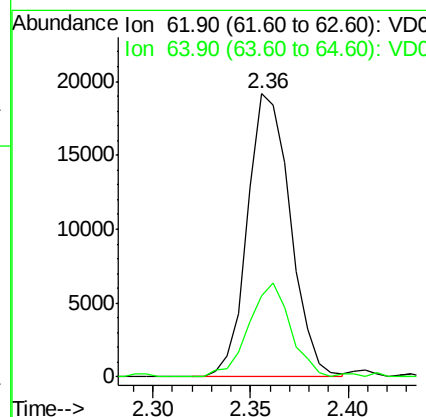
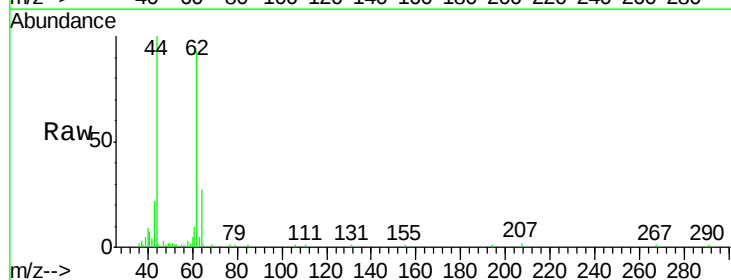
Acq: 25 Sep 2019 16:58

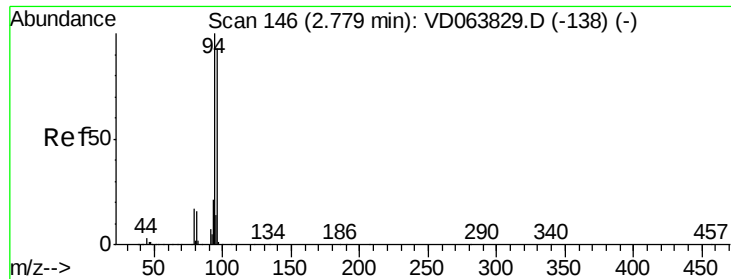
Tgt Ion: 62 Resp: 29227

Ion Ratio Lower Upper

62 100

64 28.8 27.1 40.7





#5

Bromomethane

Concen: 5.704 ug/l

RT: 2.78 min Scan# 146

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 17235

Ion Ratio Lower Upper

94 100

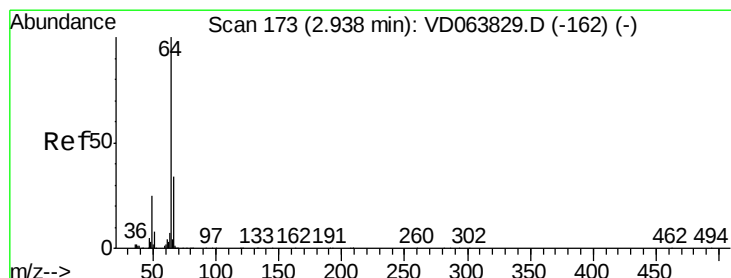
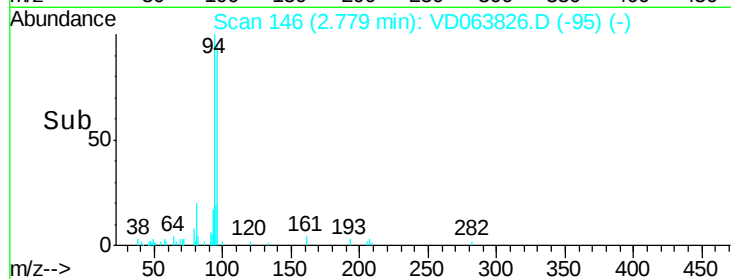
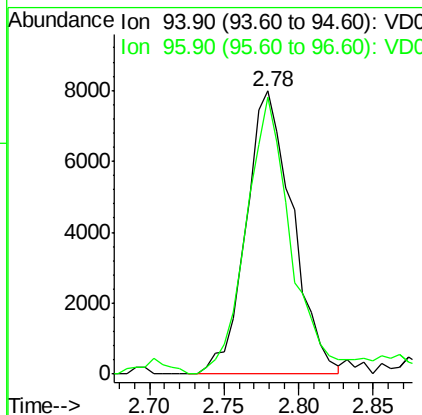
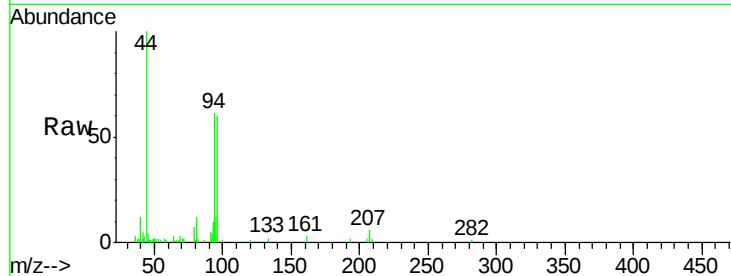
96 98.1 74.2 111.2

Manual Integrations

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10/1/2019 9:25:59 AM



#6

Chloroethane

Concen: 6.813 ug/l

RT: 2.94 min Scan# 173

Delta R.T. -0.00 min

Lab File: VD063826.D

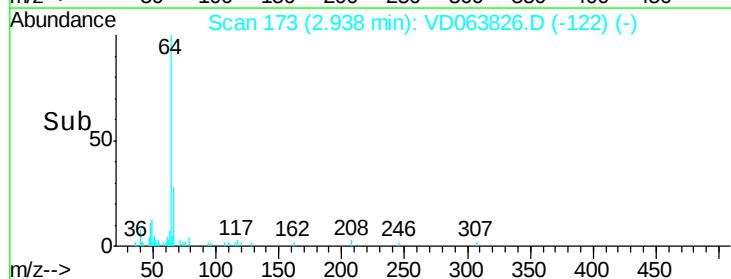
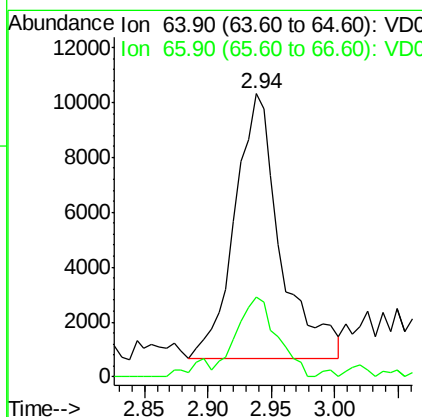
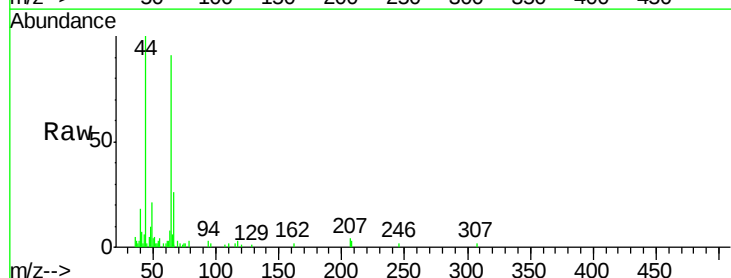
Acq: 25 Sep 2019 16:58

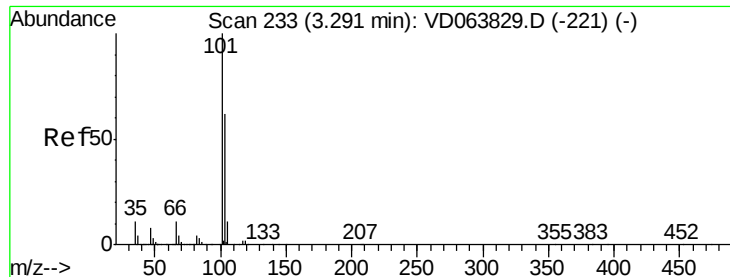
Tgt Ion: 64 Resp: 24233

Ion Ratio Lower Upper

64 100

66 30.0 26.9 40.3





#7

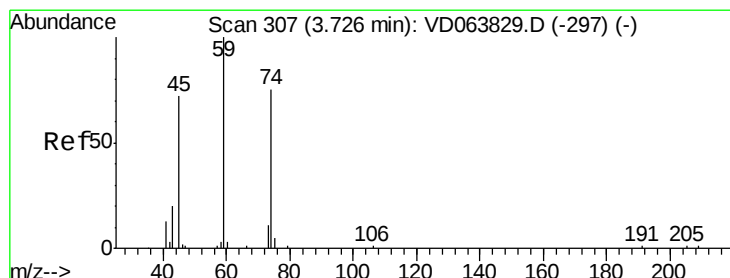
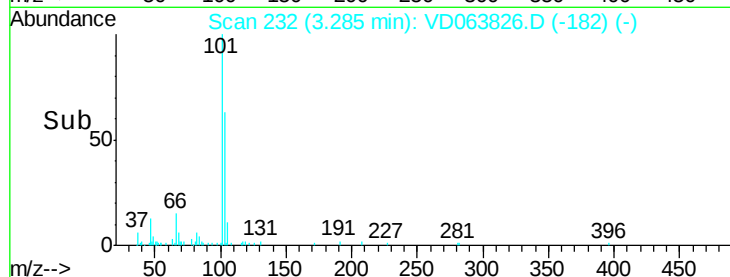
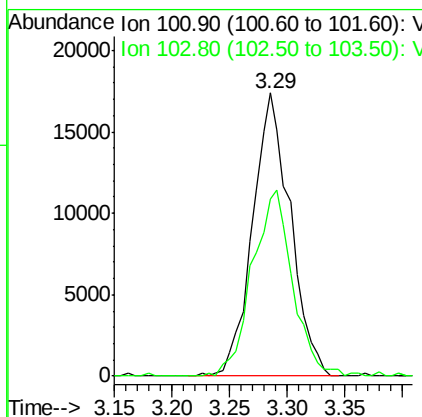
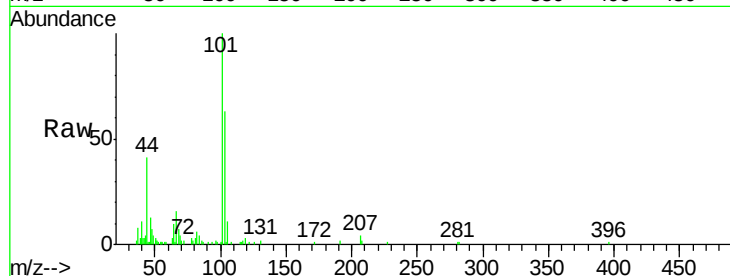
Trichlorofluoromethane
 Concen: 5.699 ug/l
 RT: 3.29 min Scan# 232
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.8	49.8	74.8

Manual Integrations
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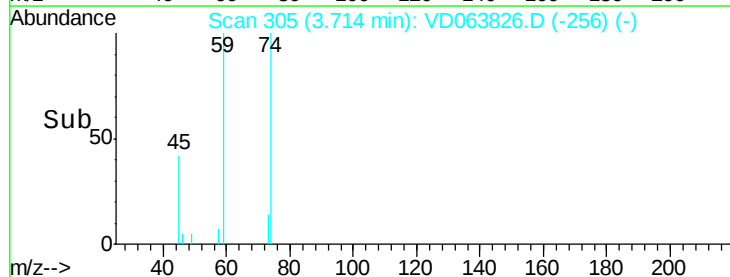
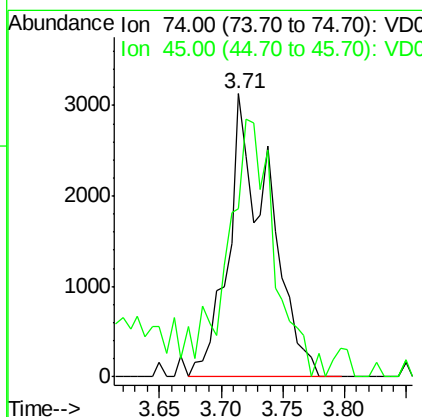
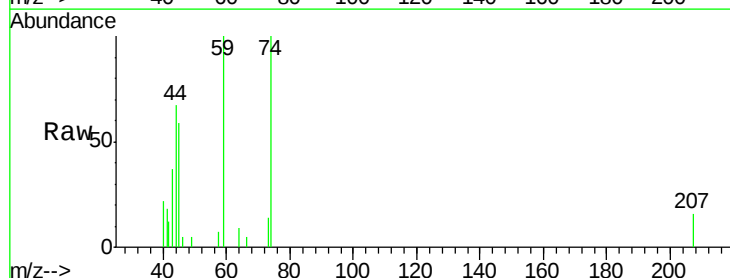
MMDadoda
 10/1/2019 9:25:59 AM

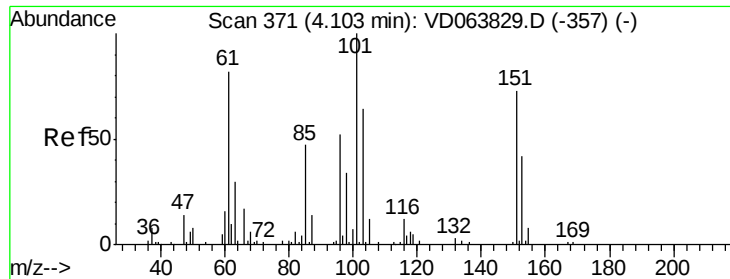


#8

Diethyl Ether
 Concen: 6.303 ug/l m
 RT: 3.71 min Scan# 305
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
74	100		
45	3.1	48.9	146.8#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.517 ug/l

RT: 4.10 min Scan# 371

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

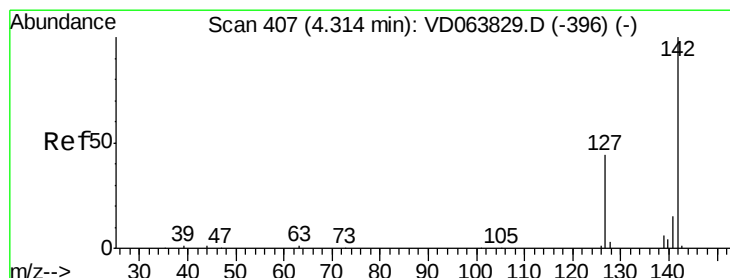
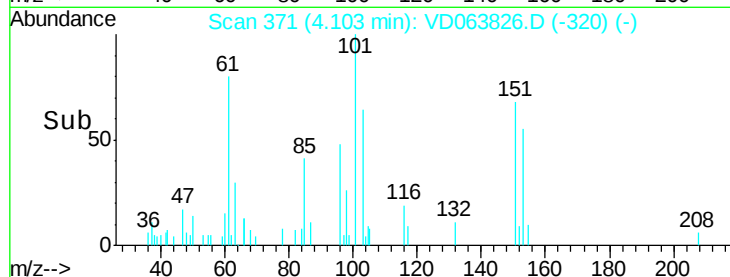
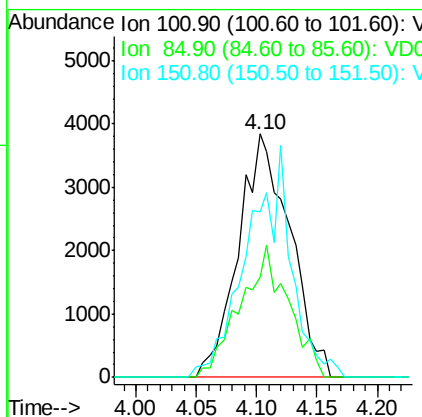
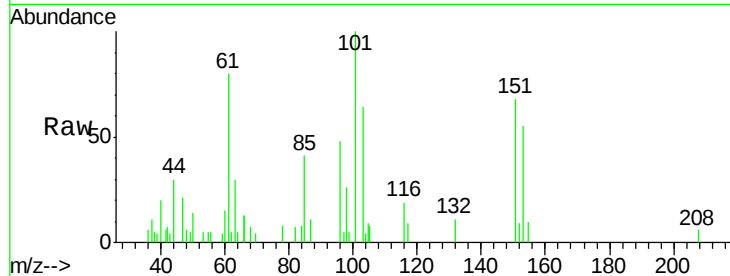
ClientSampleId :

VSTDIC005

Tot Ion:	101	Resp:	11365
Ion Ratio	Lower	Upper	
101	100		
85	50.5	37.8	56.6
151	81.0	64.2	96.2

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#10

Methyl Iodide

Concen: 4.632 ug/l

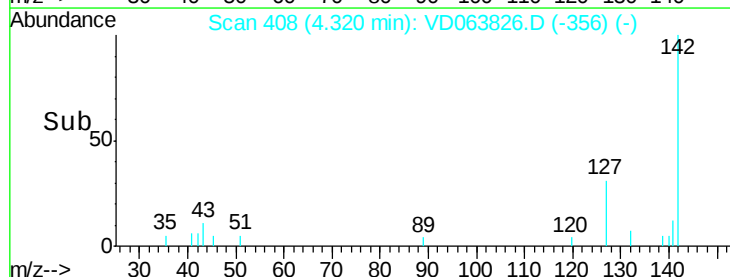
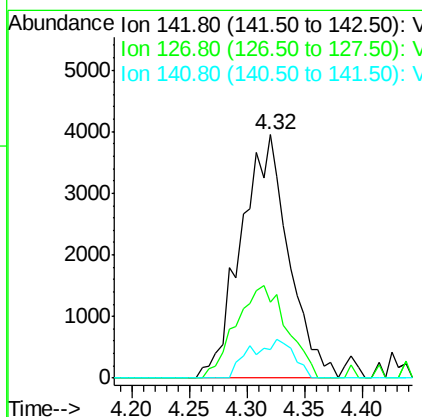
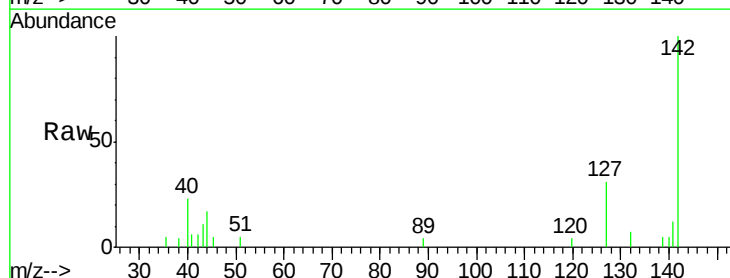
RT: 4.32 min Scan# 408

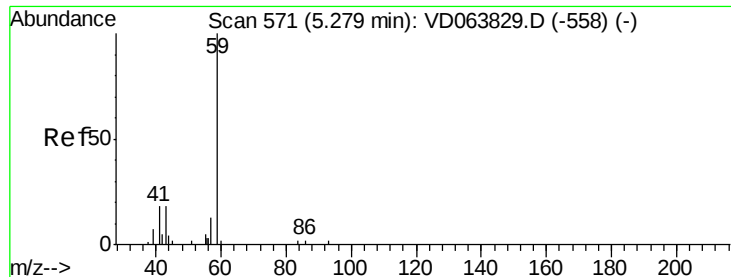
Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion:	142	Resp:	11391
Ion Ratio	Lower	Upper	
142	100		
127	40.5	35.8	53.6
141	6.6	11.9	17.9#





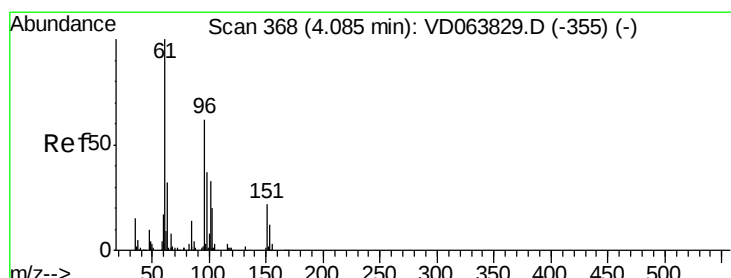
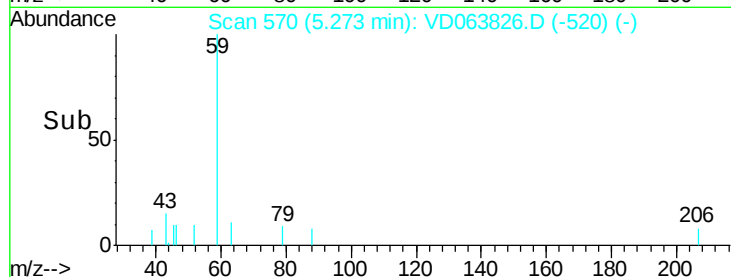
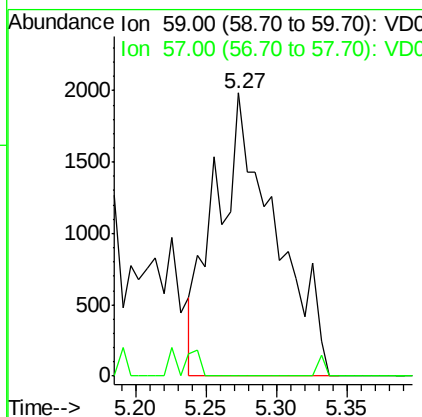
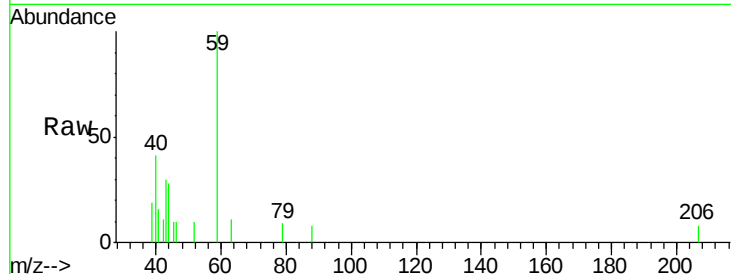
#11
Tert butyl alcohol
Concen: 32.775 ug/l
RT: 5.27 min Scan# 570
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#

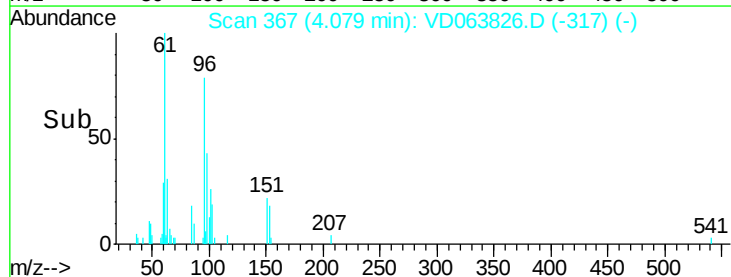
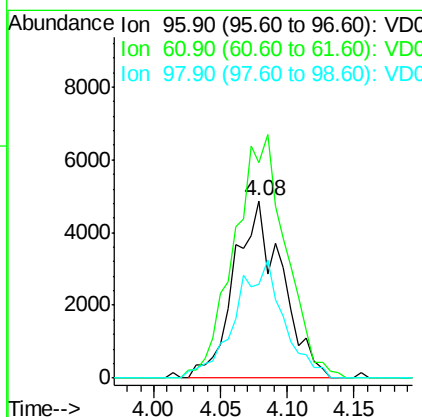
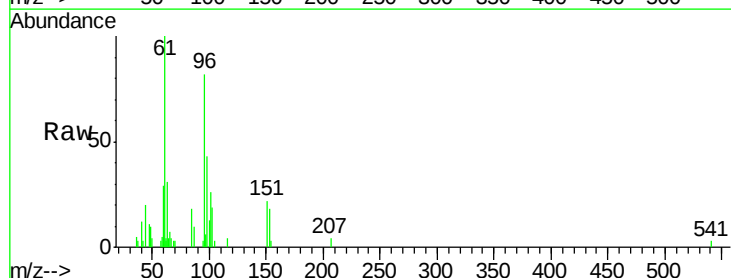
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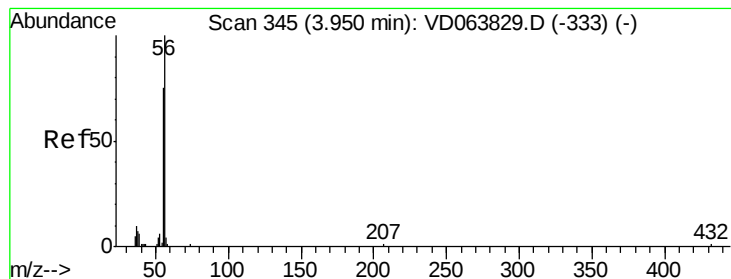
MMDadoda
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#12
1,1-Dichloroethene
Concen: 5.833 ug/l
RT: 4.08 min Scan# 367
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.2	129.0	193.4#
98	52.7	47.8	71.6





#13

Acrolein

Concen: 28.247 ug/l m

RT: 3.94 min Scan# 343

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 6109

Ion Ratio Lower Upper

56 100

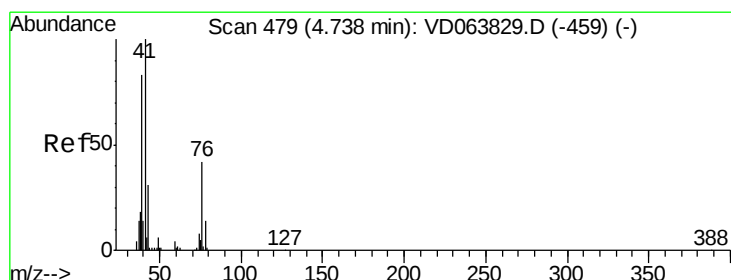
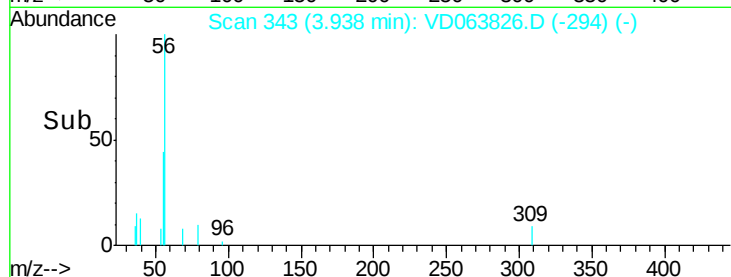
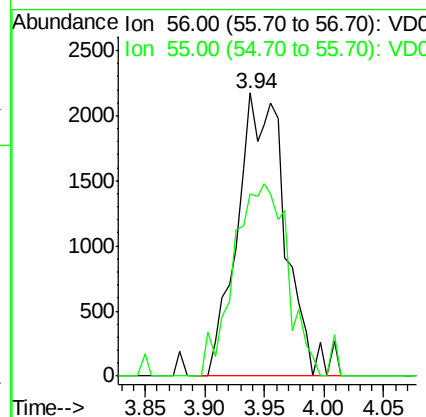
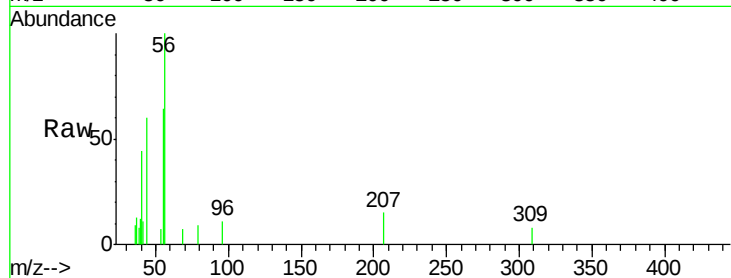
55 76.1 55.0 82.6

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#14

Allyl chloride

Concen: 5.960 ug/l

RT: 4.73 min Scan# 478

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

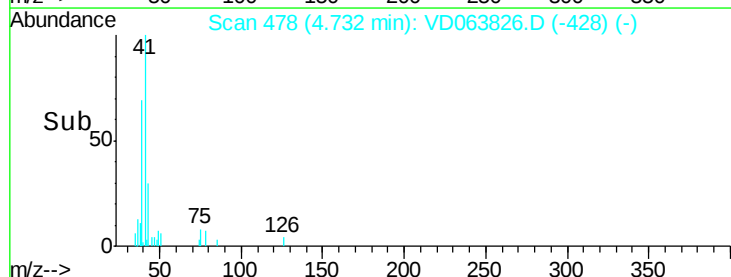
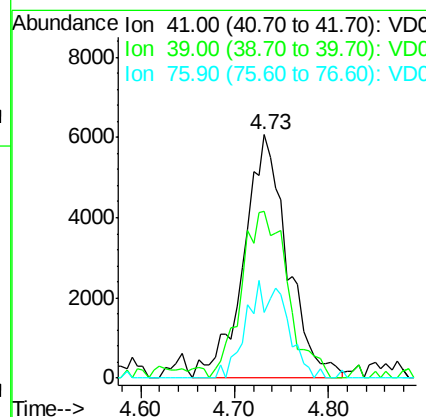
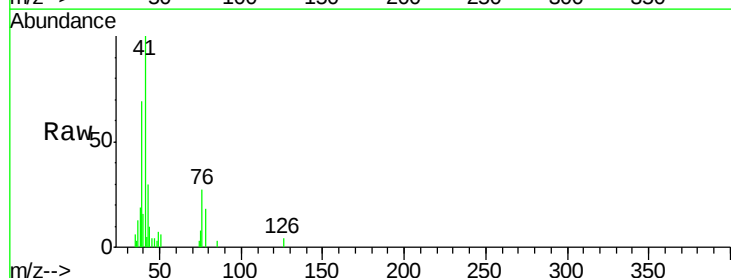
Tgt Ion: 41 Resp: 19587

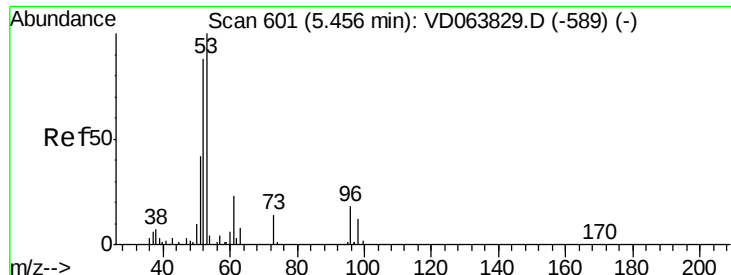
Ion Ratio Lower Upper

41 100

39 72.2 63.7 95.5

76 17.8 33.5 50.3#





#15

Acrylonitrile

Concen: 28.304 ug/l

RT: 5.45 min Scan# 600

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

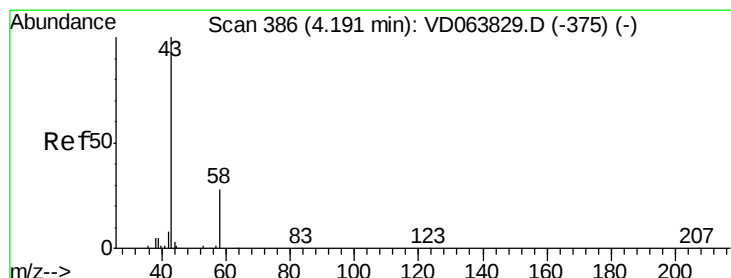
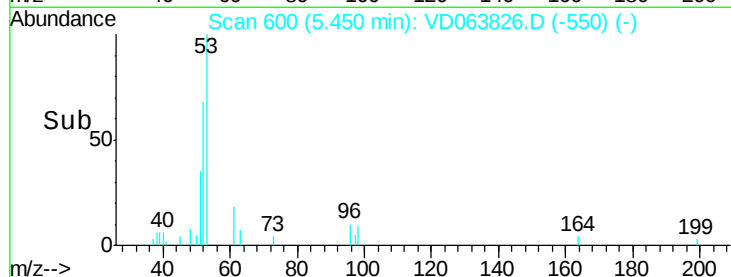
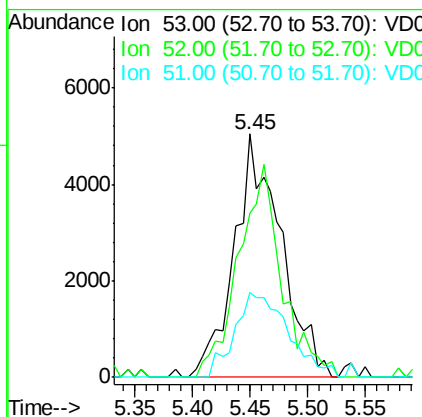
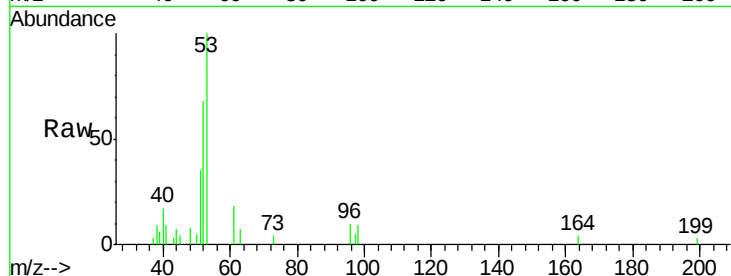
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	14157
Ion	Ratio	Lower	Upper
53	100		
52	81.3	68.7	103.1
51	39.8	30.7	46.1

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#16

Acetone

Concen: 31.561 ug/l

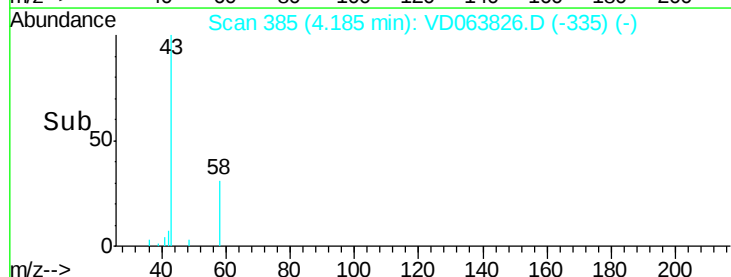
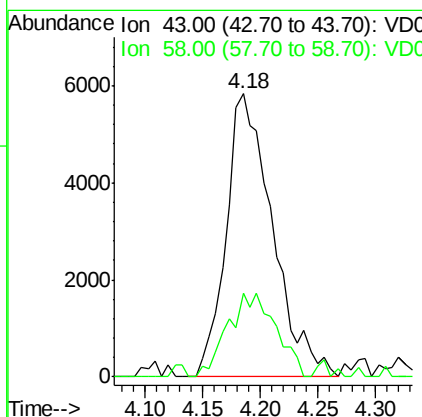
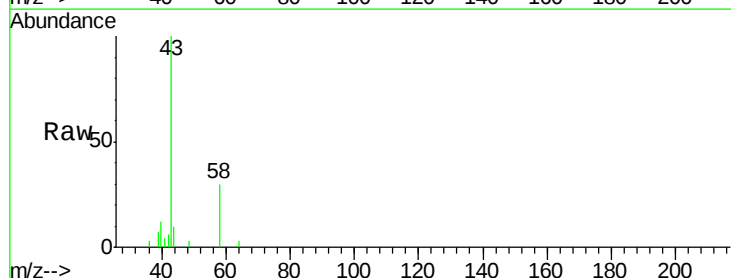
RT: 4.18 min Scan# 385

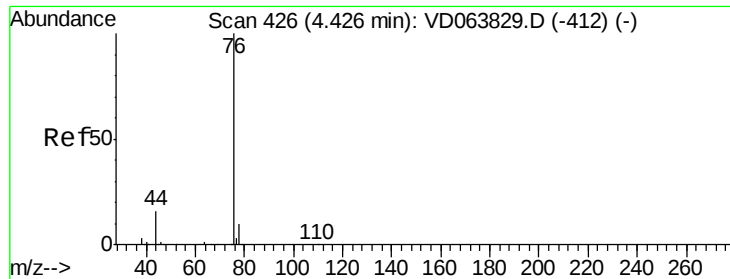
Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion:	43	Resp:	16243
Ion	Ratio	Lower	Upper
43	100		
58	29.6	22.6	34.0





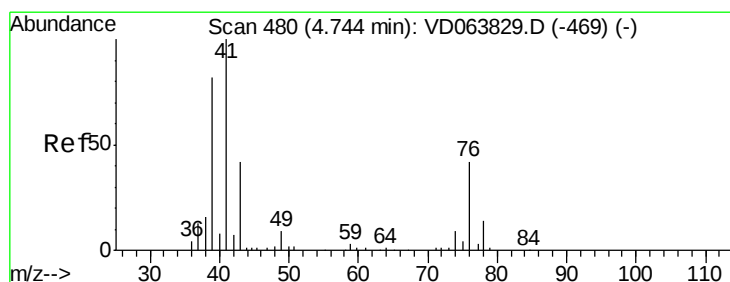
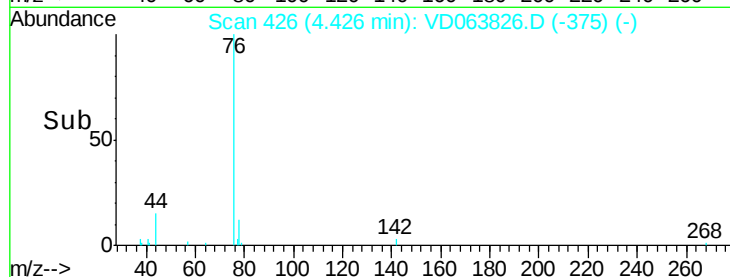
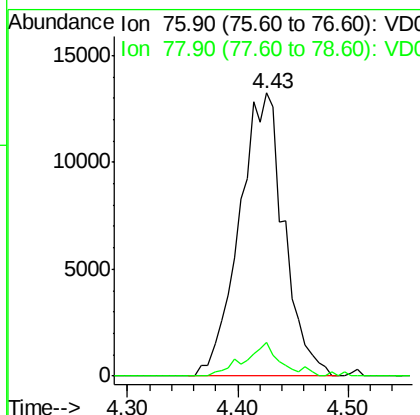
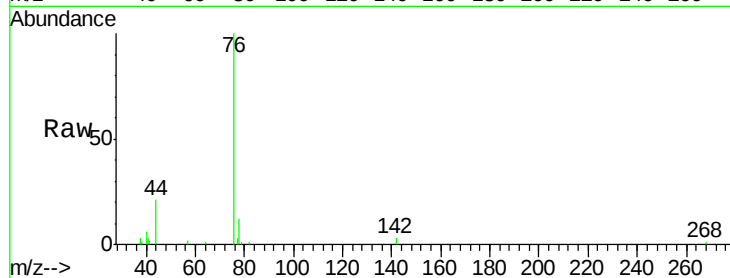
#17
Carbon Disulfide
Concen: 5.360 ug/l
RT: 4.43 min Scan# 426
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 76 Resp: 37674
Ion Ratio Lower Upper
76 100
78 11.9 7.9 11.9#

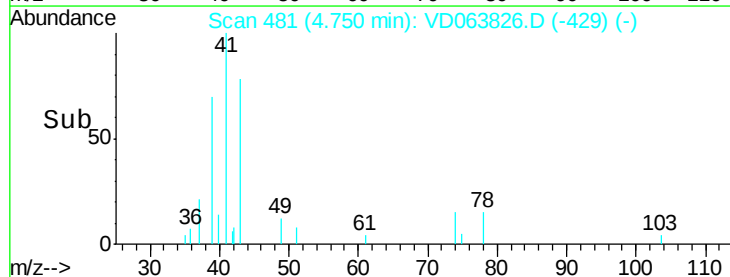
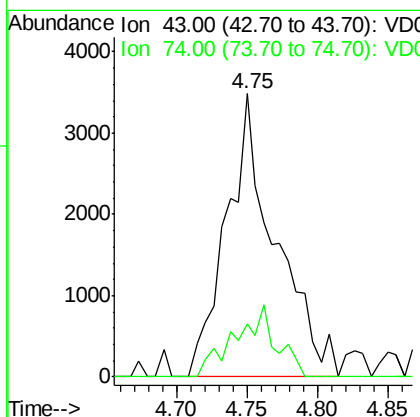
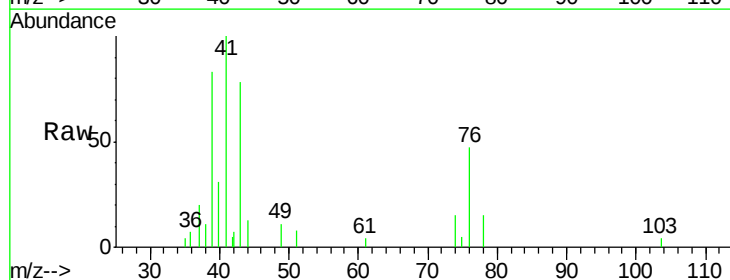
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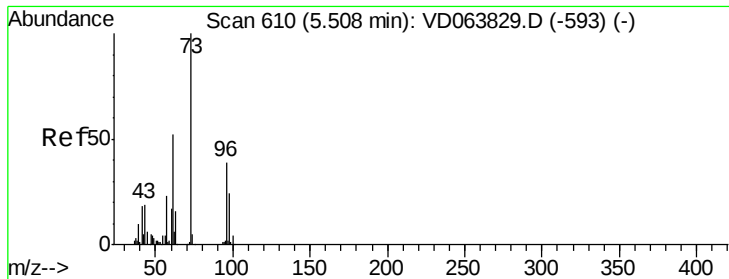
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#18
Methyl Acetate
Concen: 6.627 ug/l
RT: 4.75 min Scan# 481
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 43 Resp: 8398
Ion Ratio Lower Upper
43 100
74 21.4 18.6 28.0





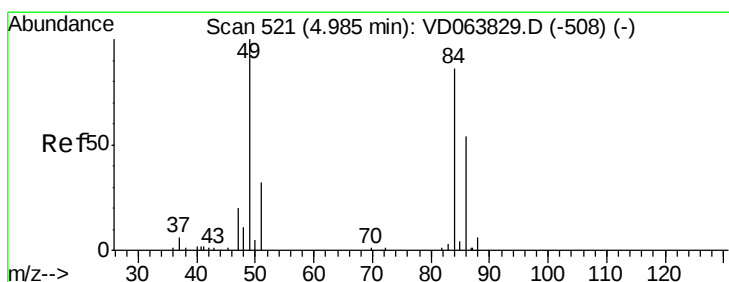
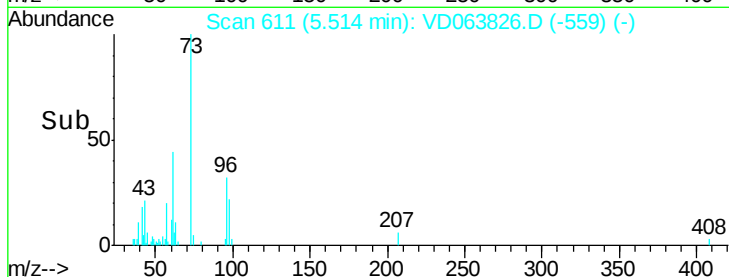
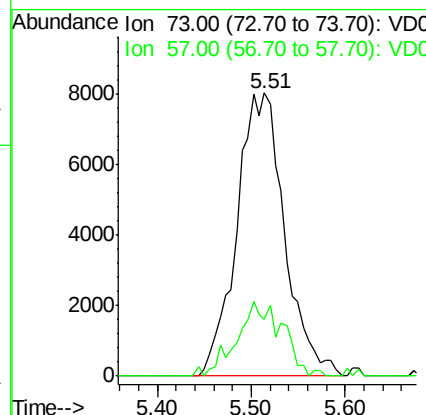
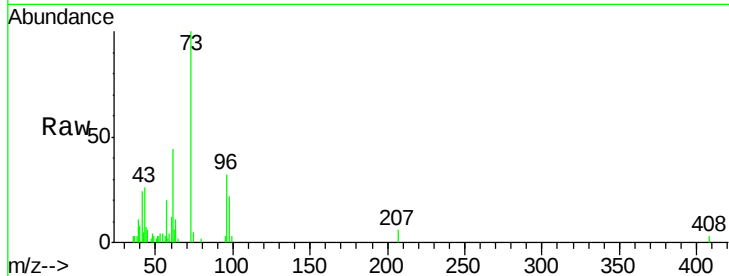
#19
Methvl tert-butvl Ether
Concen: 5.443 ug/l
RT: 5.51 min Scan# 611
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 28334
Ion Ratio Lower Upper
73 100
57 20.0 18.7 28.1

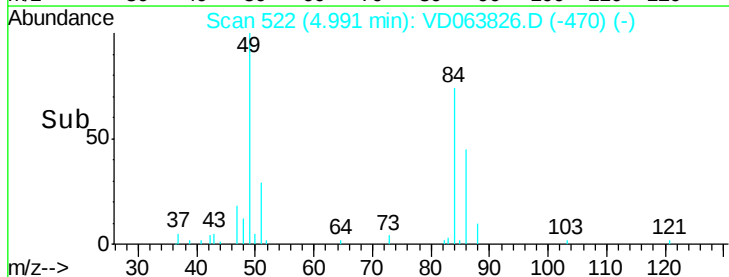
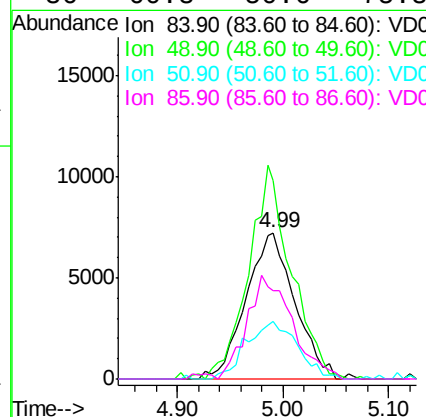
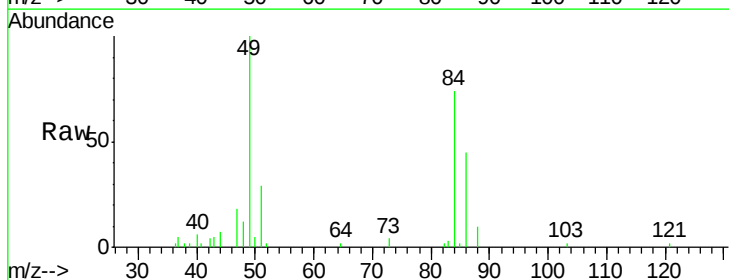
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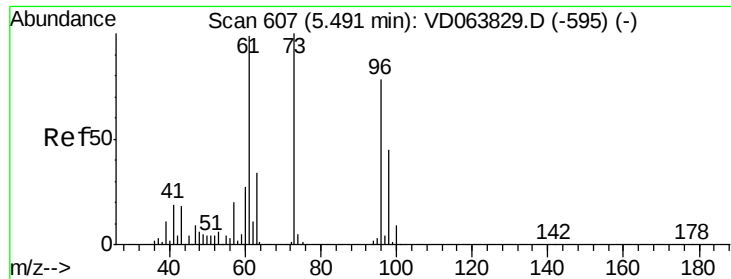
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#20
Methylene Chloride
Concen: 7.482 ug/l
RT: 4.99 min Scan# 522
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 84 Resp: 23168
Ion Ratio Lower Upper
84 100
49 133.7 93.6 140.4
51 39.8 29.8 44.6
86 60.8 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 5.615 ug/l

RT: 5.50 min Scan# 608

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

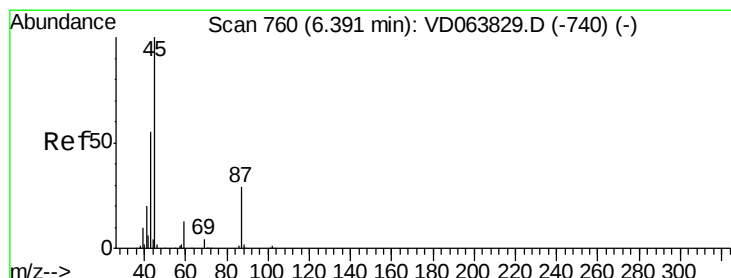
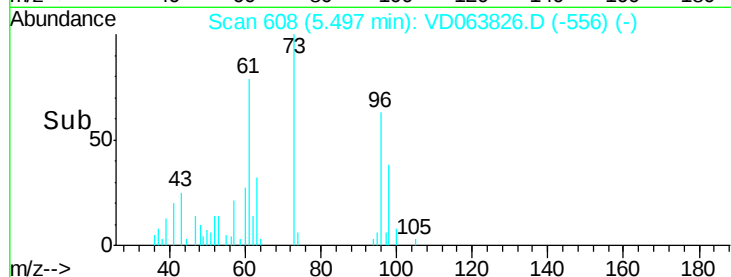
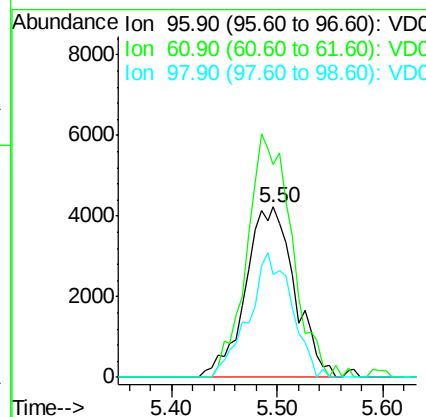
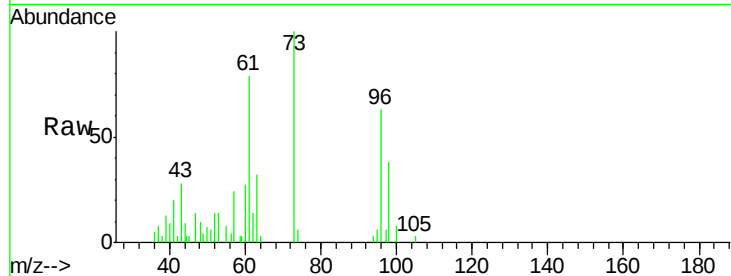
ClientSampleId :

VSTDIC005

Tot Ion:	96	Resp:	13590
Ion	Ratio	Lower	Upper
96	100		
61	125.6	101.3	151.9
98	60.5	45.4	68.2

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#22

Diisopropyl ether

Concen: 5.891 ug/l

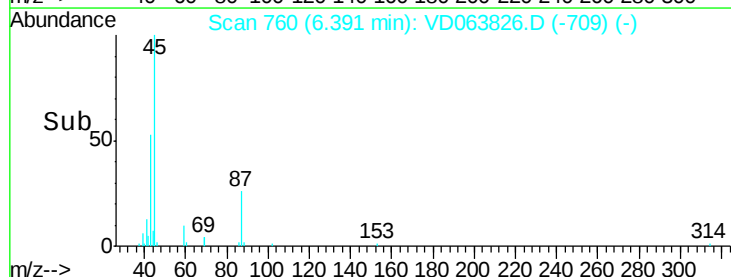
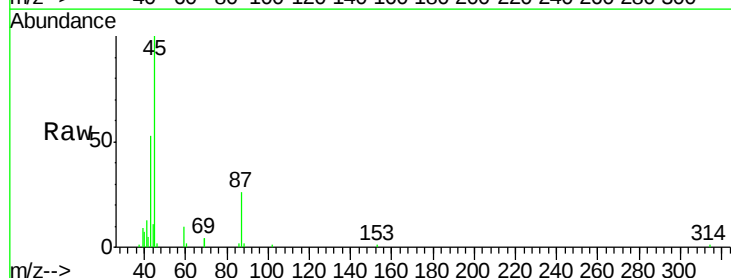
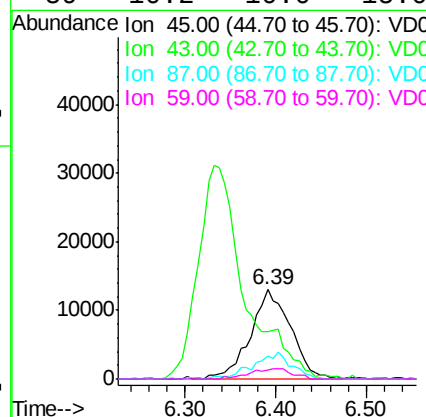
RT: 6.39 min Scan# 760

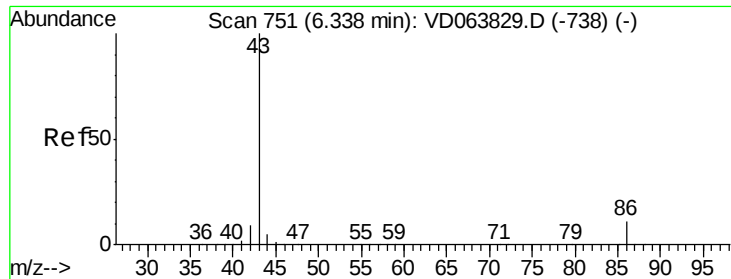
Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion:	45	Resp:	39991
Ion	Ratio	Lower	Upper
45	100		
43	50.5	44.2	66.2
87	25.5	23.9	35.9
59	10.2	10.0	15.0





#23

Vinyl Acetate

Concen: 27.552 ug/l

RT: 6.33 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 110619

Ion Ratio Lower Upper

43 100

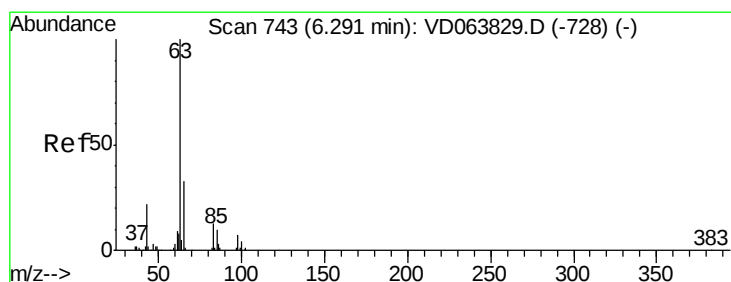
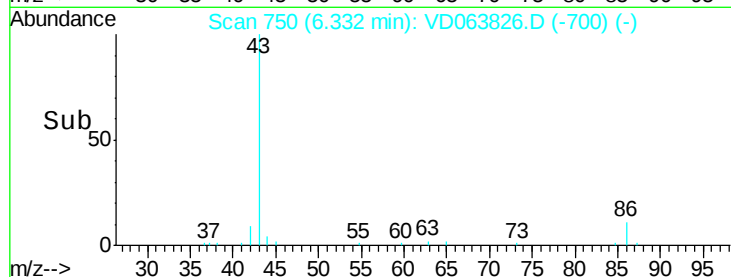
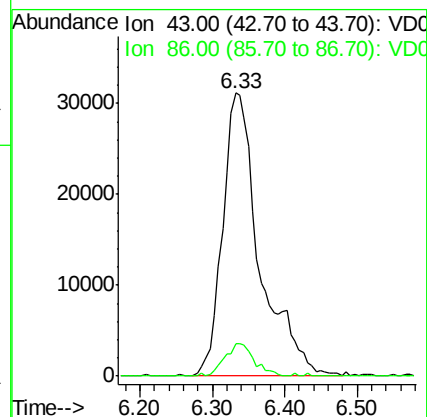
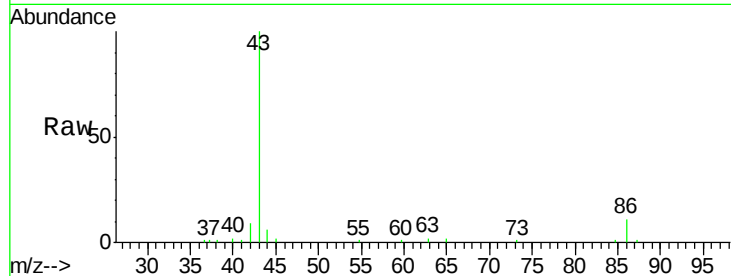
86 11.3 8.8 13.2

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#24

1,1-Dichloroethane

Concen: 5.612 ug/l

RT: 6.30 min Scan# 744

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

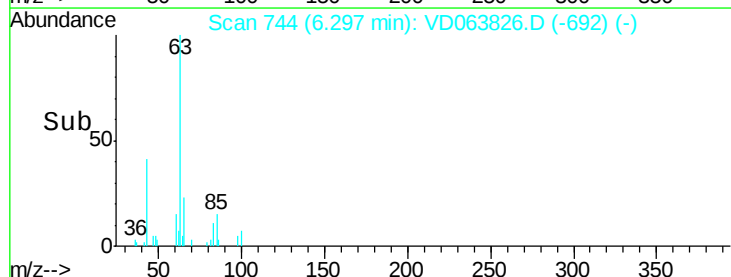
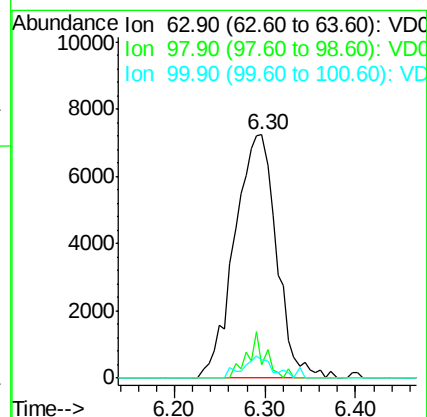
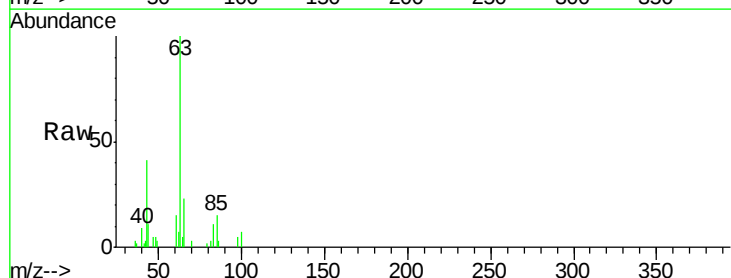
Tgt Ion: 63 Resp: 23145

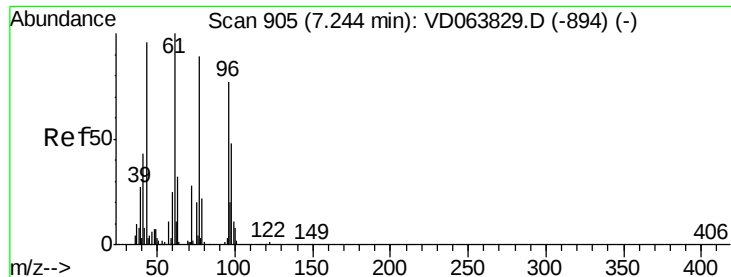
Ion Ratio Lower Upper

63 100

98 5.4 3.5 10.5

100 7.3 2.0 6.0#





#25

2-Butanone

Concen: 29.773 ug/l

RT: 7.26 min Scan# 907

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 20032

Ion Ratio Lower Upper

43 100

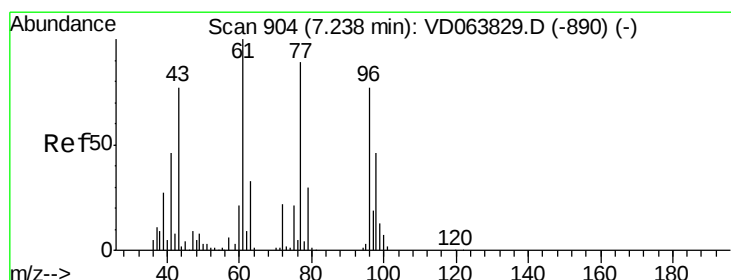
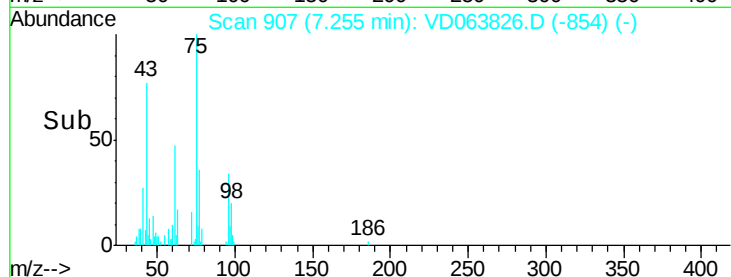
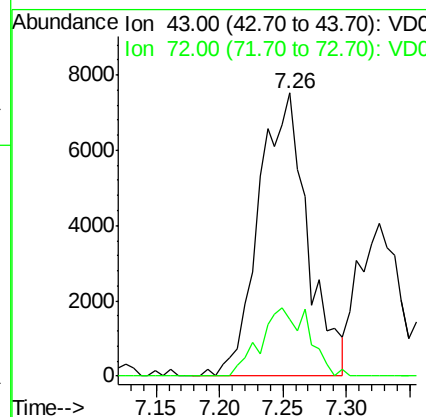
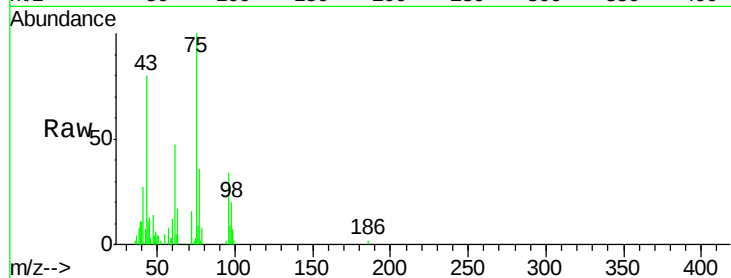
72 20.1 23.5 35.3#

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#26

2,2-Dichloropropane

Concen: 5.949 ug/l

RT: 7.23 min Scan# 903

Delta R.T. -0.01 min

Lab File: VD063826.D

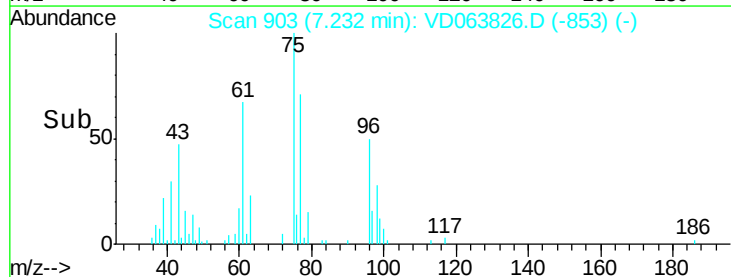
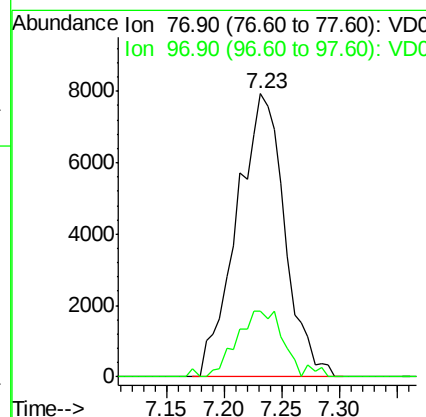
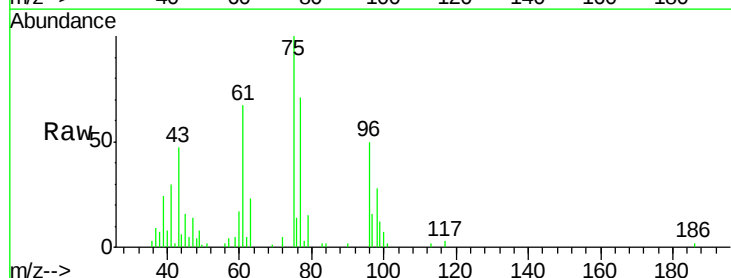
Acq: 25 Sep 2019 16:58

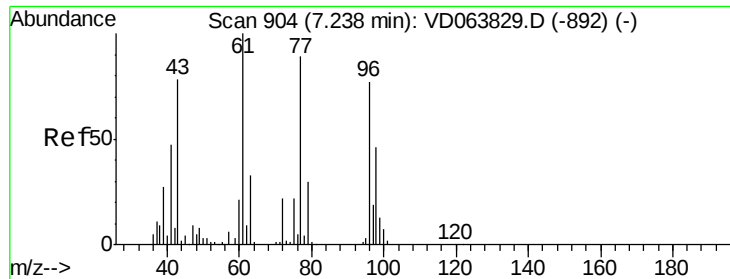
Tgt Ion: 77 Resp: 22943

Ion Ratio Lower Upper

77 100

97 21.9 10.9 32.7





#27

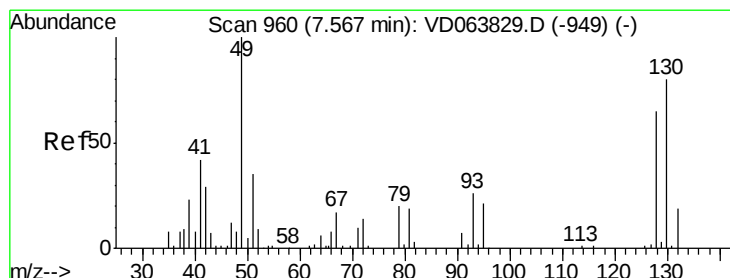
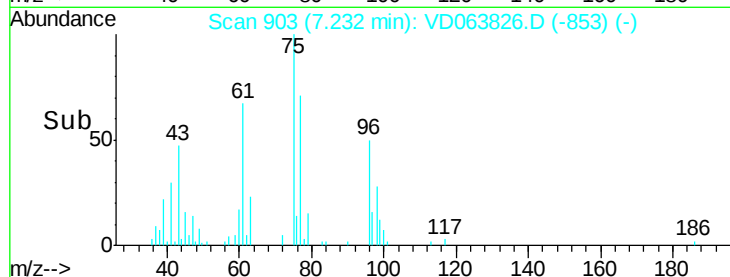
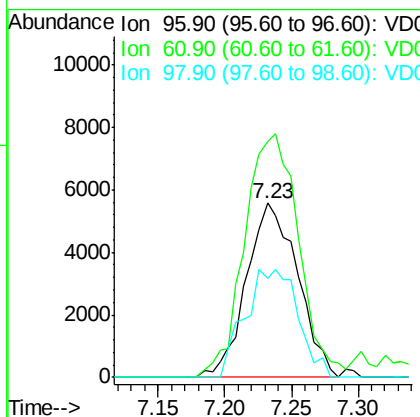
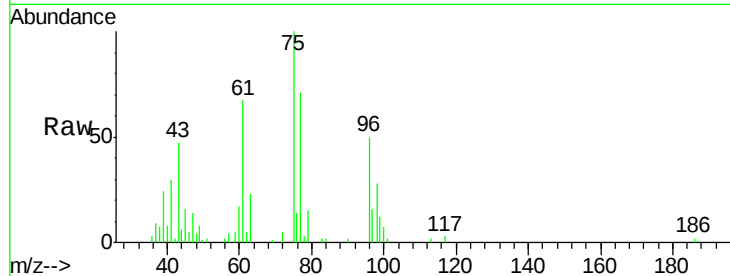
cis-1,2-Dichloroethene
Concen: 5.451 ug/l
RT: 7.23 min Scan# 903
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.0	0.0	275.6
98	64.2	0.0	130.2

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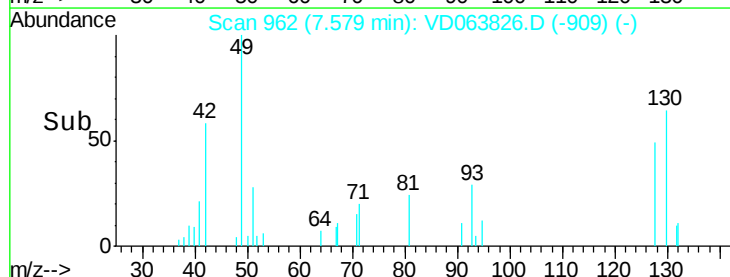
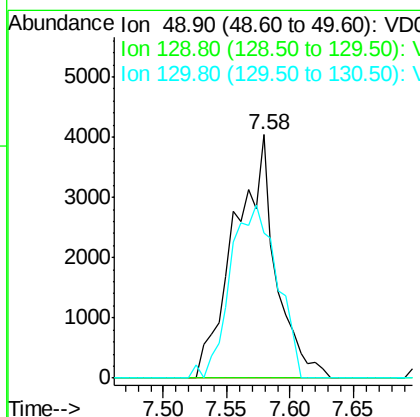
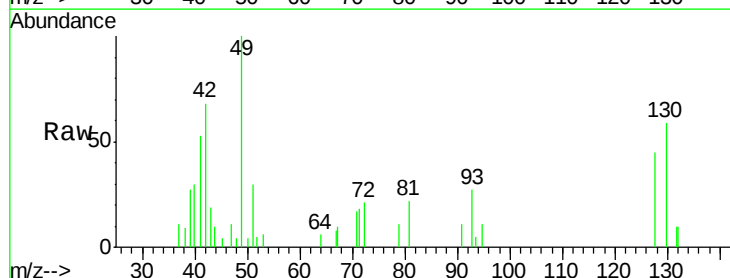
MMDadoda
10/1/2019 9:25:59 AM

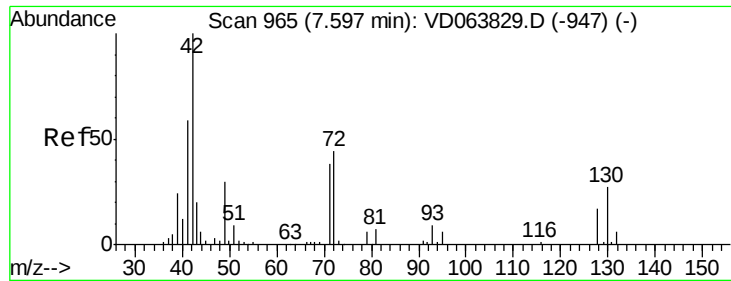


#28

Bromochloromethane
Concen: 5.622 ug/l
RT: 7.58 min Scan# 962
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.6
130	80.9	67.0	100.4





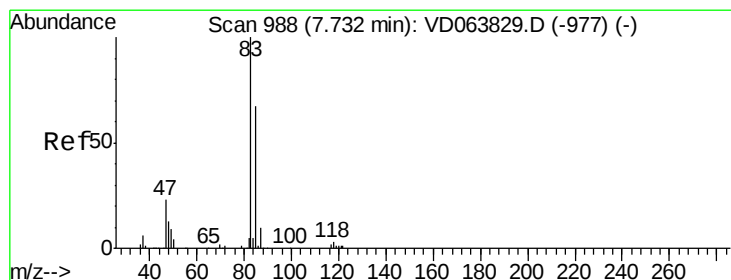
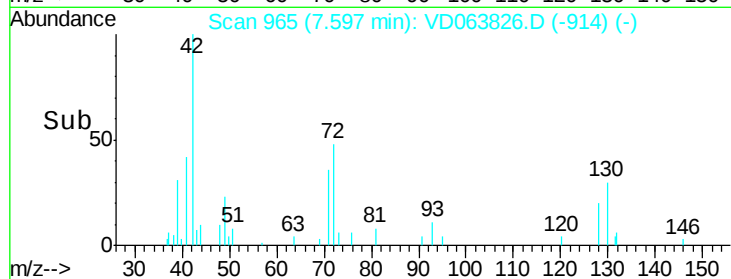
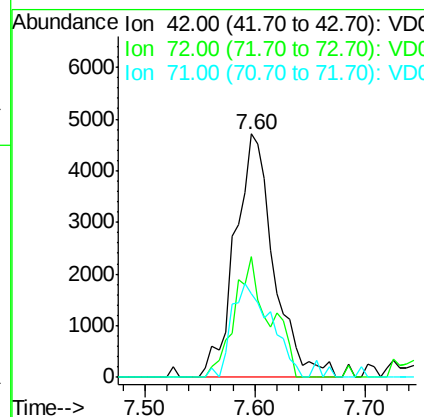
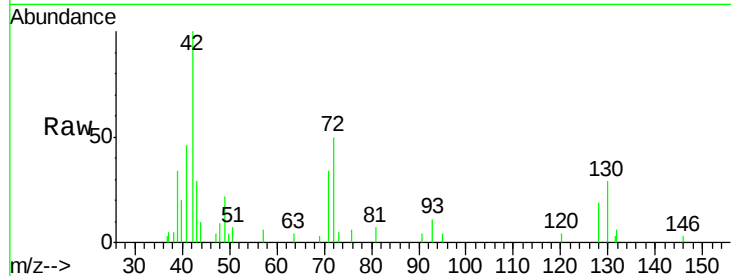
#29
Tetrahydrofuran
Concen: 28.761 ug/l
RT: 7.60 min Scan# 965
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	37.3	55.9
71	39.5	33.4	50.2

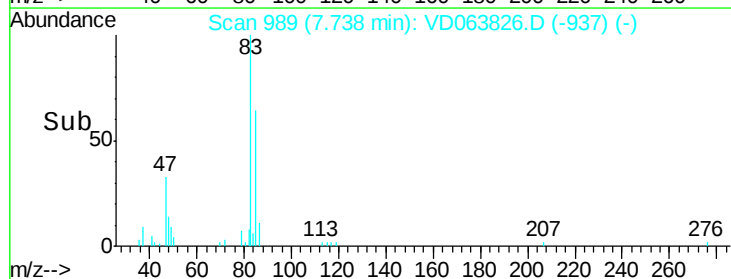
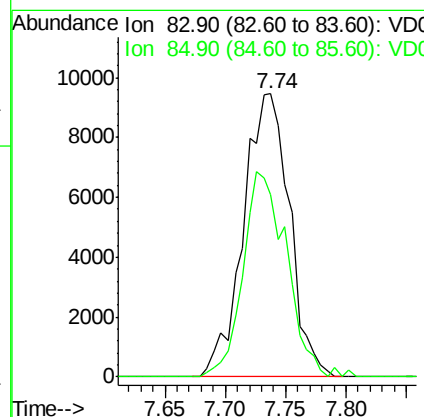
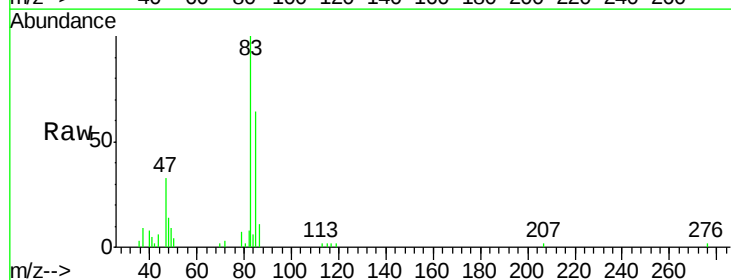
Manual Integrations
APPROVED

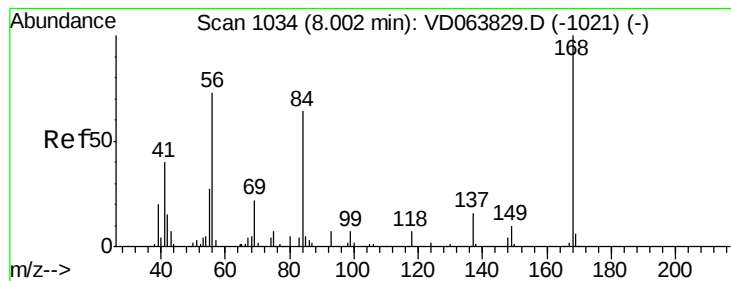
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#30
Chloroform
Concen: 5.597 ug/l
RT: 7.74 min Scan# 989
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	53.4	80.2





#31

Cyclohexane

Concen: 6.282 ug/l

RT: 8.01 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 25862

Ion Ratio Lower Upper

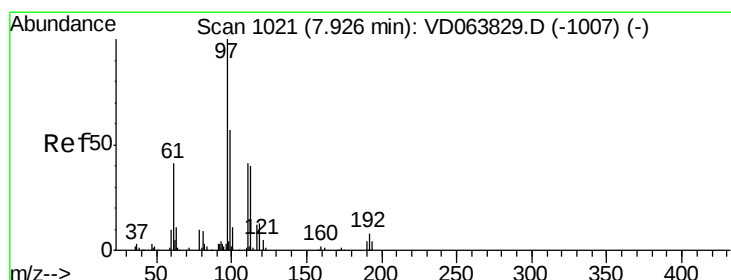
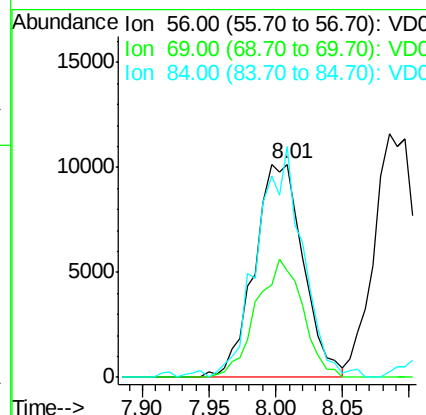
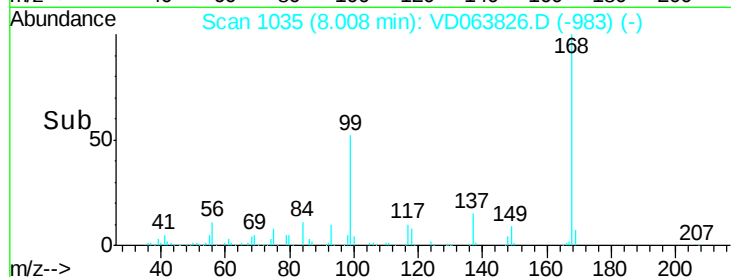
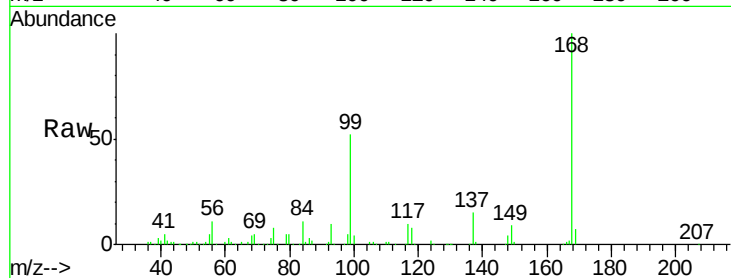
56 100

69 50.3 23.1 34.7#

84 106.6 69.7 104.5#

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 5.546 ug/l

RT: 7.93 min Scan# 1021

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

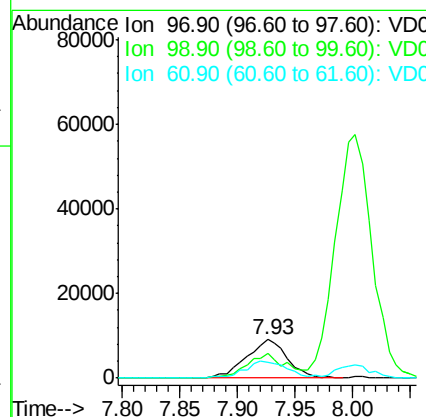
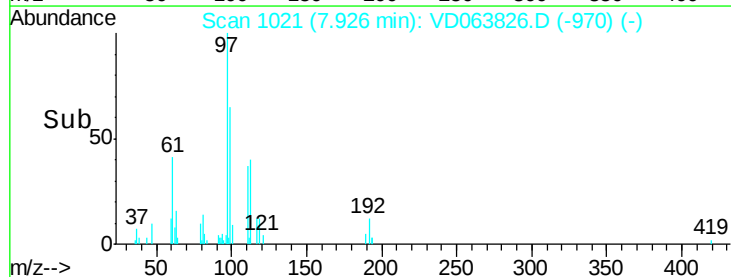
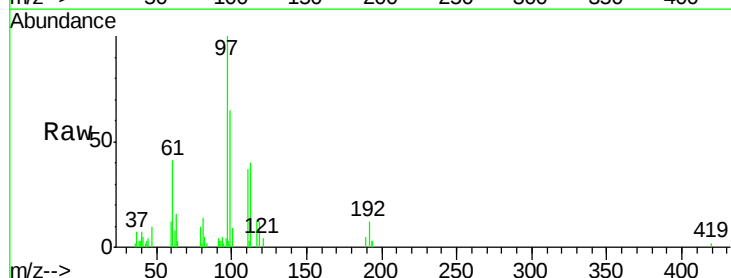
Tgt Ion: 97 Resp: 22462

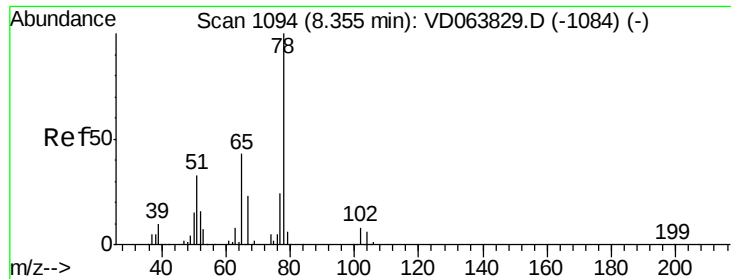
Ion Ratio Lower Upper

97 100

99 62.4 52.9 79.3

61 44.6 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 5.112 ug/l

RT: 8.35 min Scan# 1093

Delta R.T. -0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 65 Resp: 11721

Ion Ratio Lower Upper

65 100

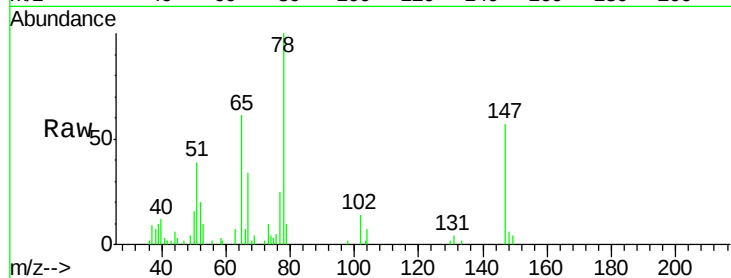
67 54.0 0.0 107.4

Manual Integrations

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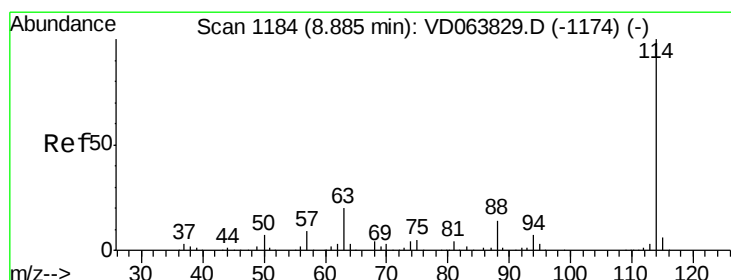
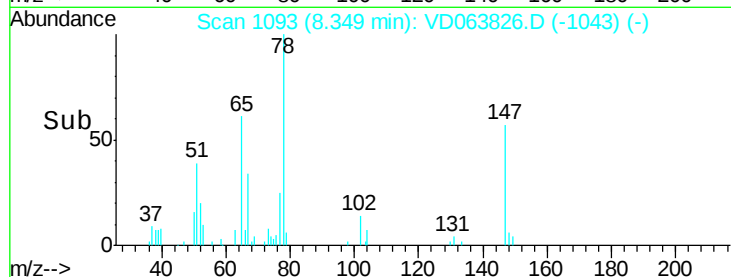
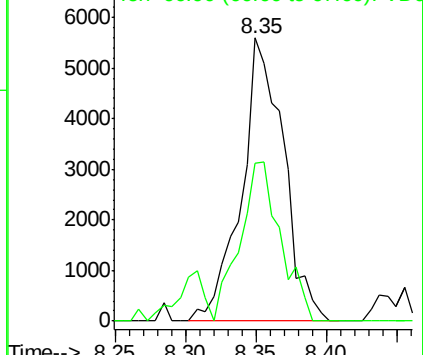
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.88 min Scan# 1184

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

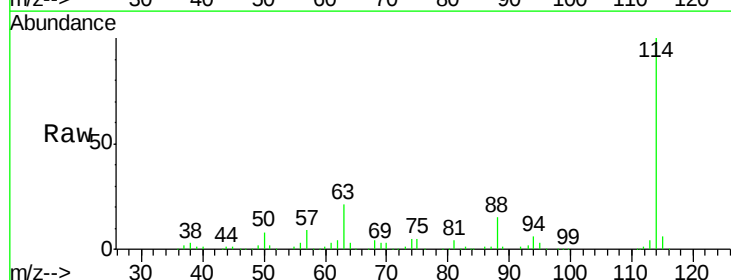
Tgt Ion: 114 Resp: 386687

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.2

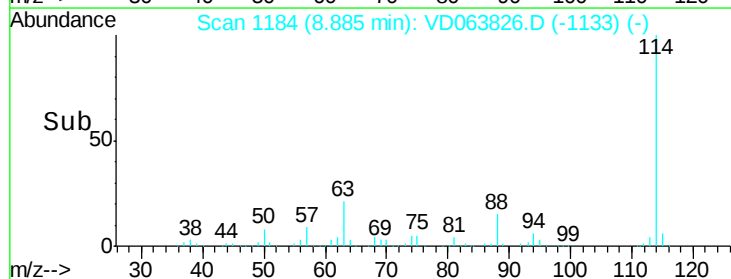
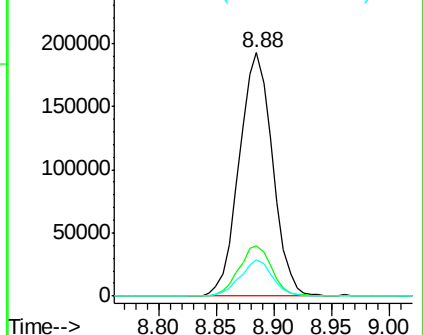
88 14.8 0.0 28.4

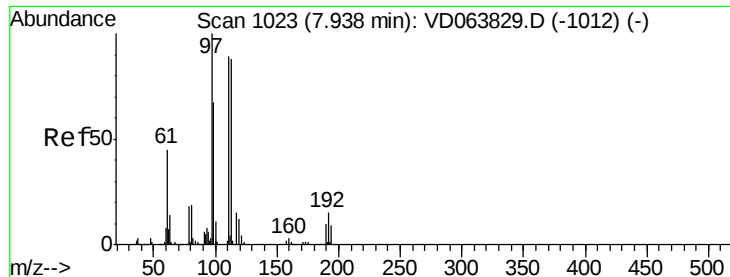


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 4.837 ug/l

RT: 7.94 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

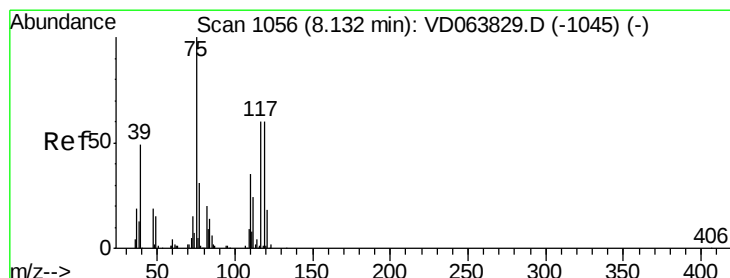
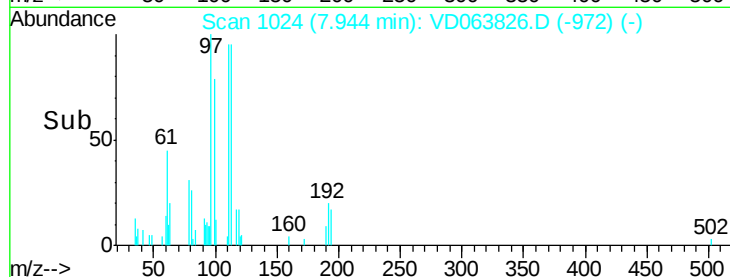
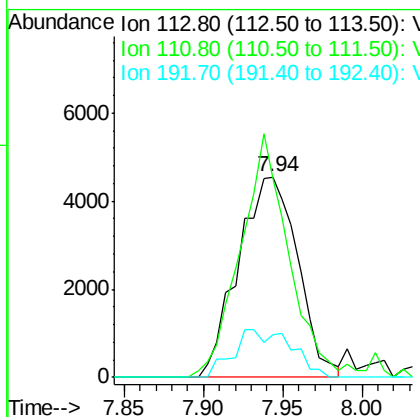
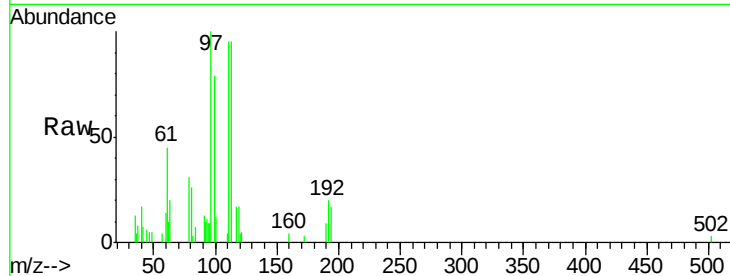
ClientSampleId :

VSTDIC005

Tot Ion:	113	Resp:	11873
Ion	Ratio	Lower	Upper
113	100		
111	98.8	77.7	116.5
192	23.3	15.9	23.9

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#36

1,1-Dichloropropene

Concen: 5.476 ug/l

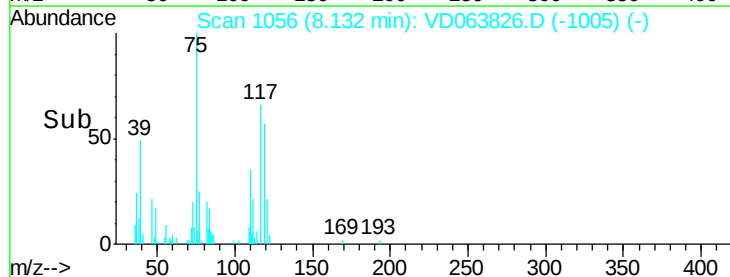
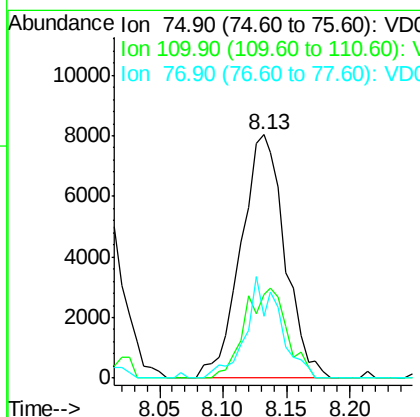
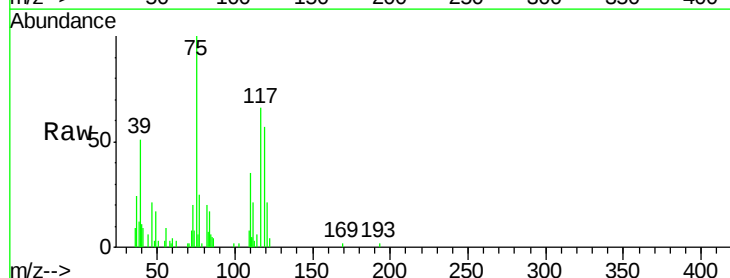
RT: 8.13 min Scan# 1056

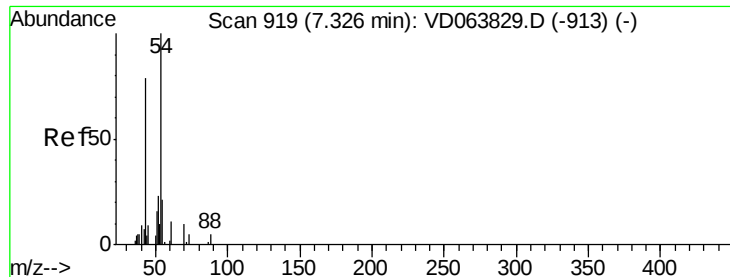
Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion:	75	Resp:	19314
Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.5	52.5
77	32.0	24.9	37.3





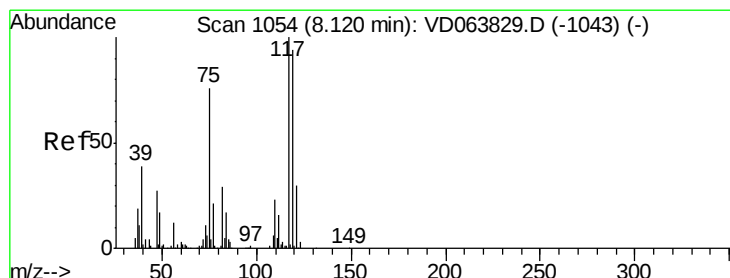
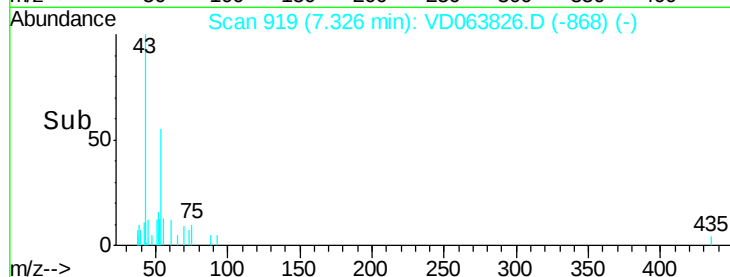
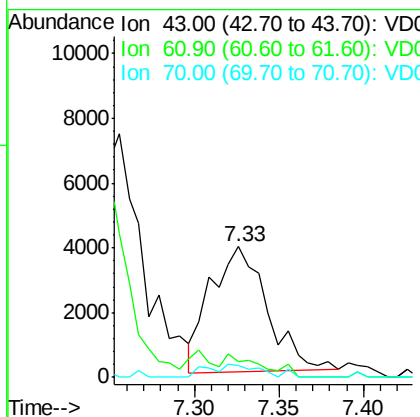
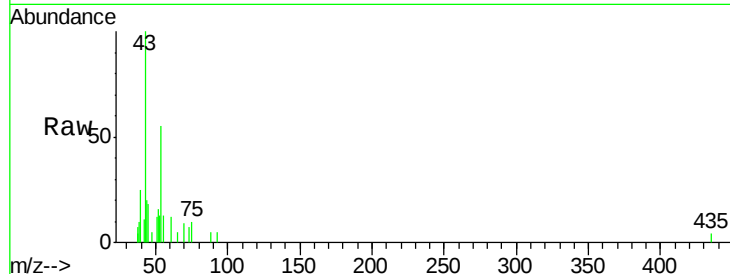
#37
Ethyl Acetate
Concen: 6.136 ug/l
RT: 7.33 min Scan# 919
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	11.9	12.7	19.1#
70	8.8	8.3	12.5

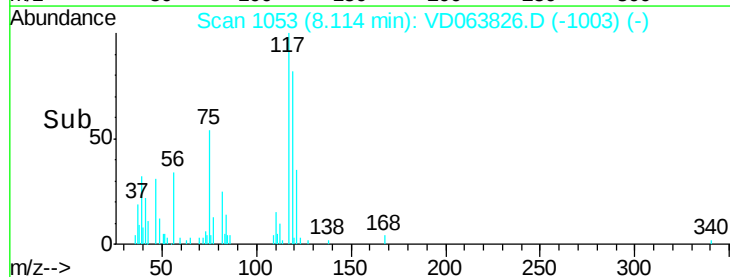
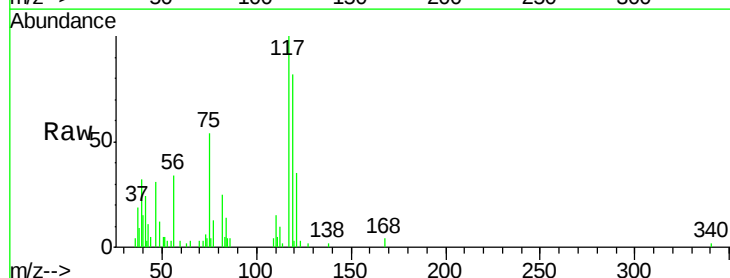
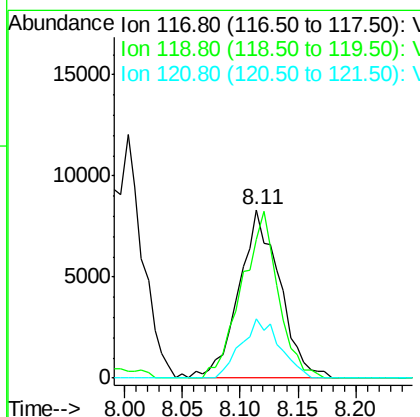
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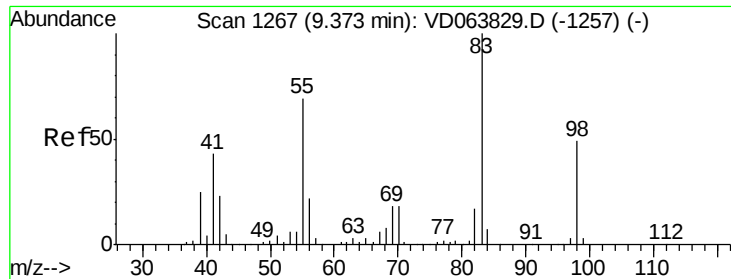
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#38
Carbon Tetrachloride
Concen: 5.543 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
119	82.5	75.2	112.8
121	35.3	23.9	35.9





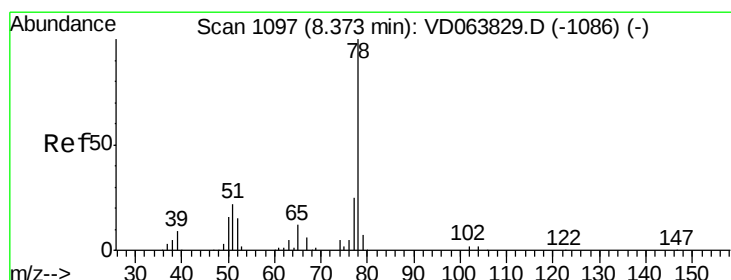
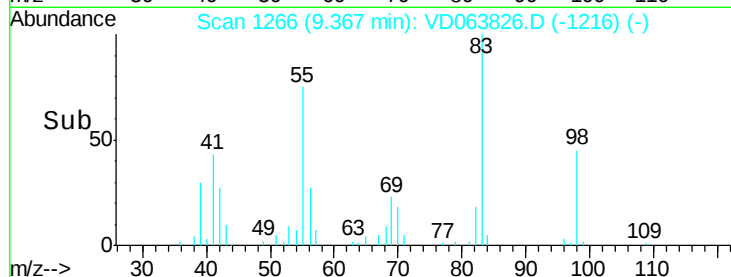
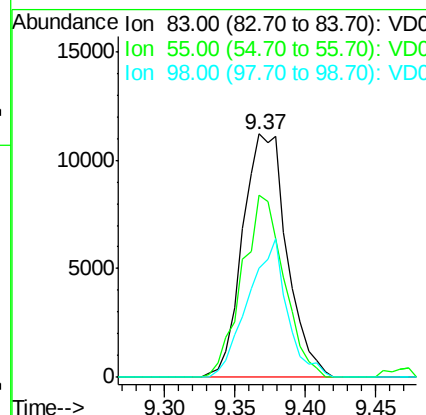
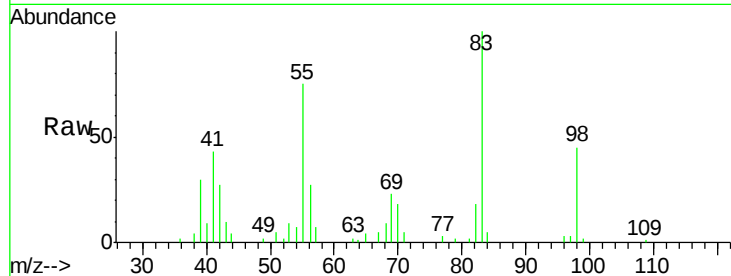
#39
Methvlcvclohexane
Concen: 5.620 ug/l
RT: 9.37 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.6	54.9	82.3
98	45.0	39.0	58.6

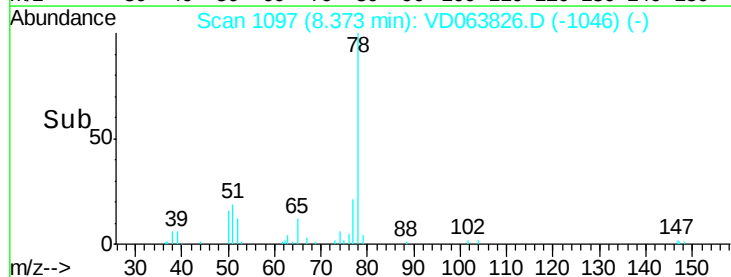
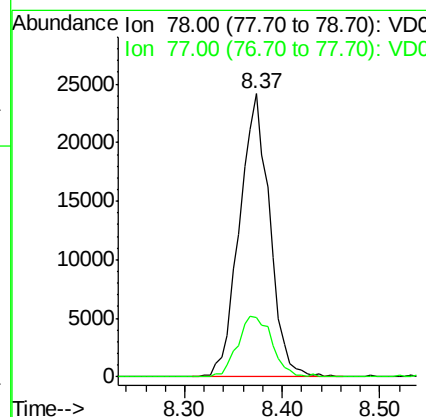
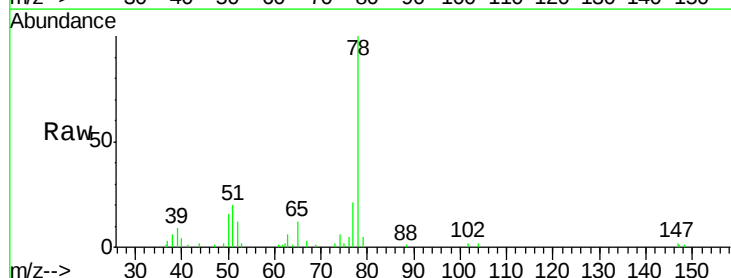
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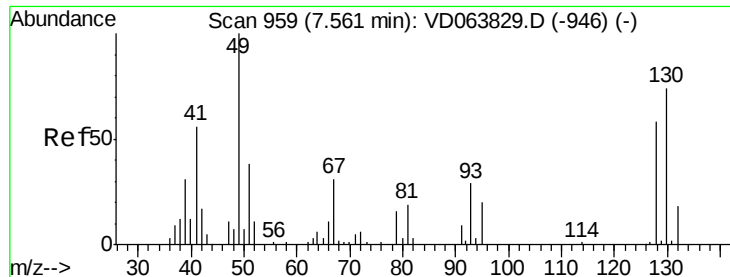
MMDadoda
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#40
Benzene
Concen: 5.374 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.8	19.8	29.6





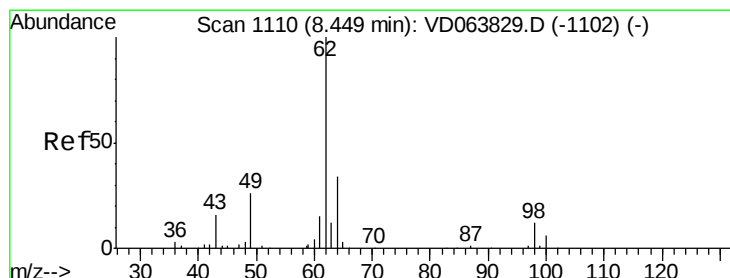
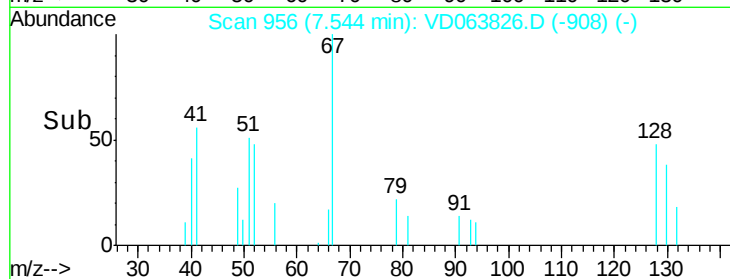
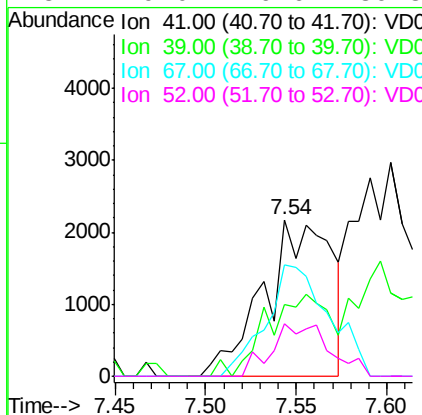
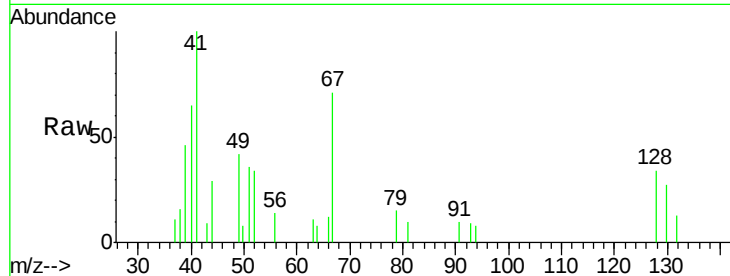
#41
Methacrylonitrile
Concen: 6.423 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.02 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampled :
VSTDIC005

Tot Ion:	41	Resp:	5588
Ion	Ratio	Lower	Upper
41	100		
39	50.2	52.2	78.4#
67	67.3	58.6	87.8
52	29.0	26.6	39.8

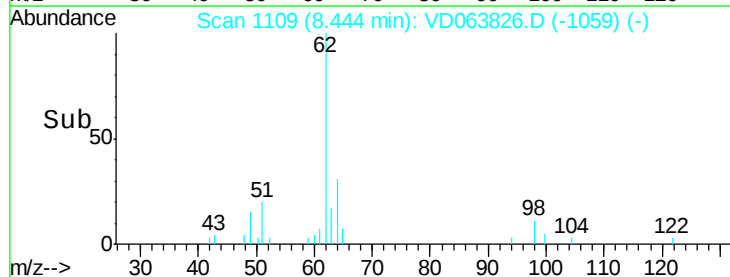
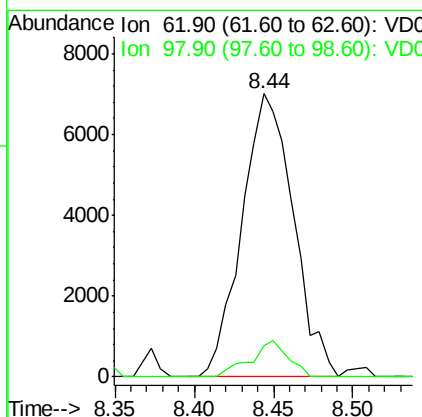
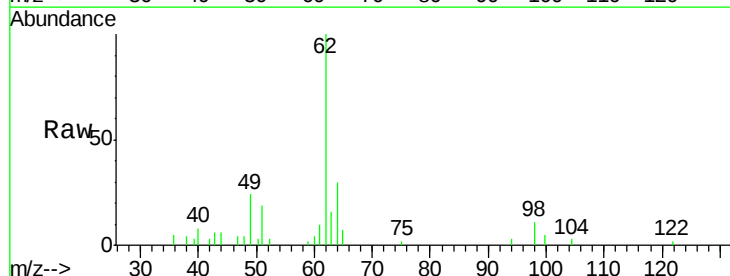
Manual Integrations
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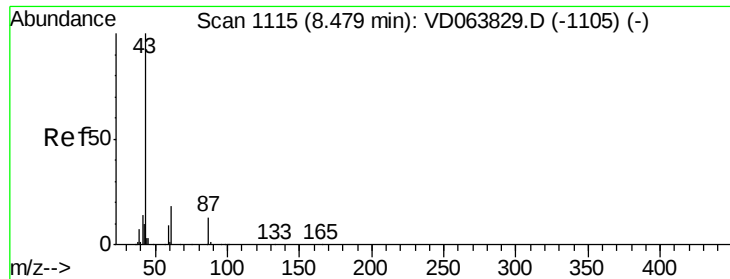
MMDadoda
10/1/2019 9:25:59 AM



#42
1,2-Dichloroethane
Concen: 5.561 ug/l
RT: 8.44 min Scan# 1109
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion:	62	Resp:	15797
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	19.6





#43

Isopropyl Acetate

Concen: 5.748 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

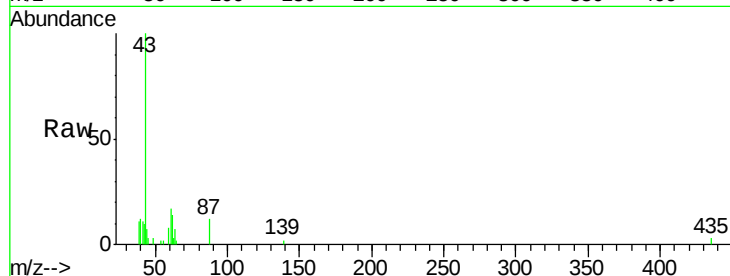
ClientSampleId :

VSTDIC005

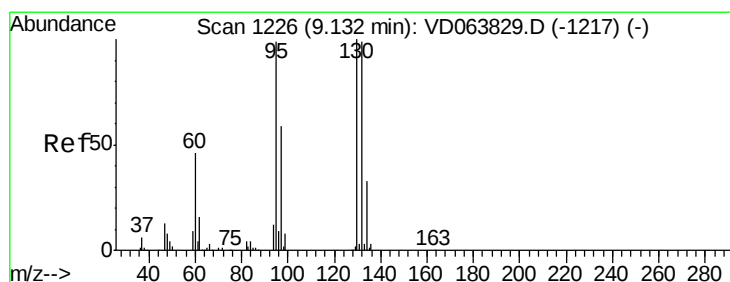
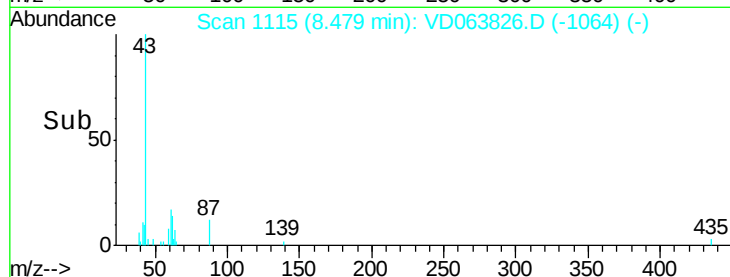
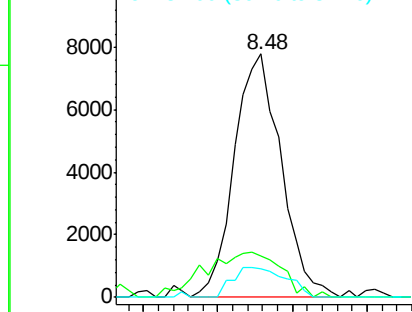
Tot Ion:	43	Resp:	16976
Ion	Ratio	Lower	Upper
43	100		
61	30.2	24.6	37.0
87	13.9	10.5	15.7

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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 5.349 ug/l

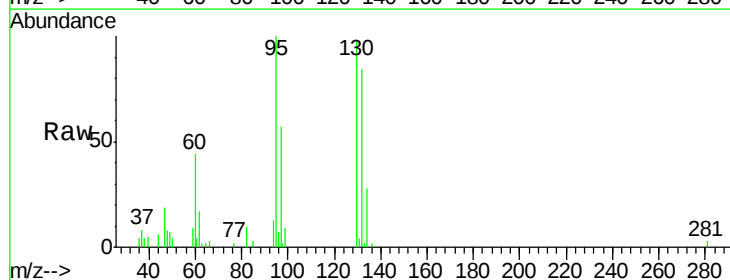
RT: 9.13 min Scan# 1226

Delta R.T. -0.00 min

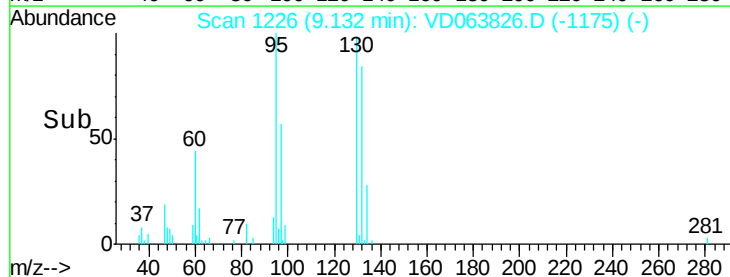
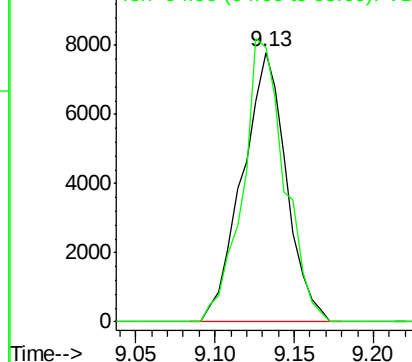
Lab File: VD063826.D

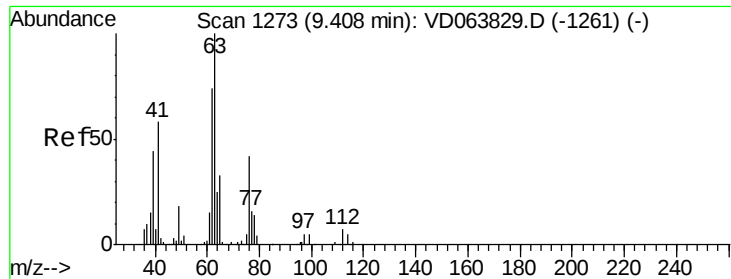
Acq: 25 Sep 2019 16:58

Tgt Ion:	130	Resp:	15047
Ion	Ratio	Lower	Upper
130	100		
95	101.6	0.0	198.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 5.644 ug/l

RT: 9.41 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 63 Resp: 13544

Ion Ratio Lower Upper

63 100

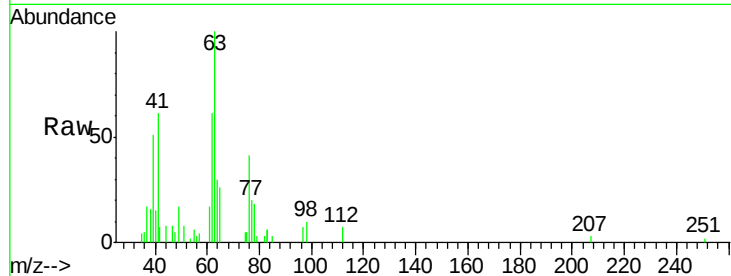
65 25.7 26.8 40.2#

Manual Integrations

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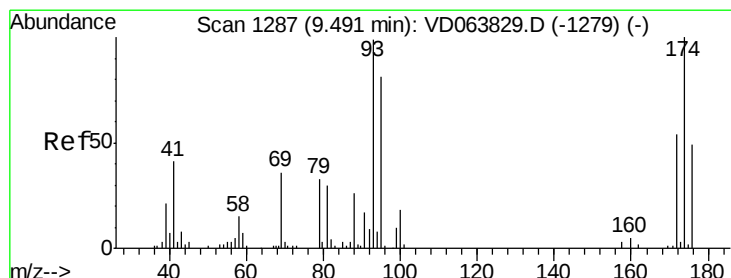
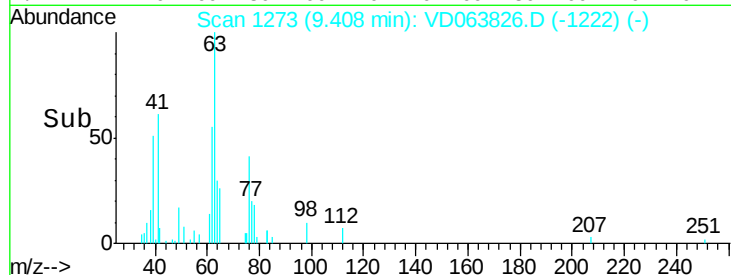
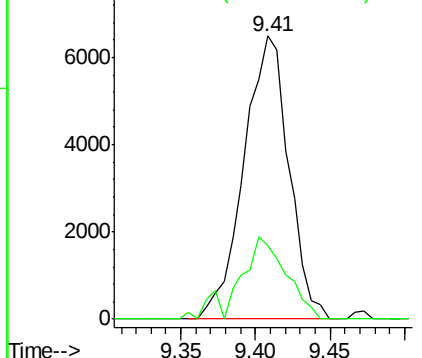
MMDadoda

10/1/2019 9:25:59 AM



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 5.632 ug/l

RT: 9.50 min Scan# 1288

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

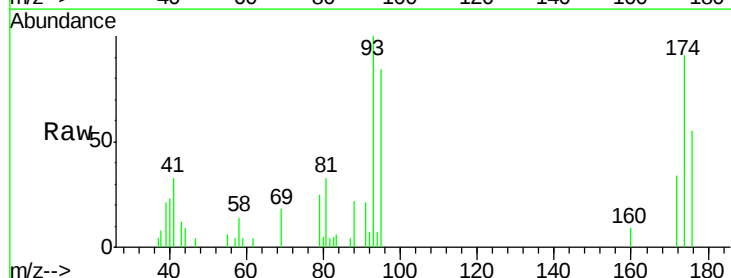
Tgt Ion: 93 Resp: 7628

Ion Ratio Lower Upper

93 100

95 76.8 63.8 95.8

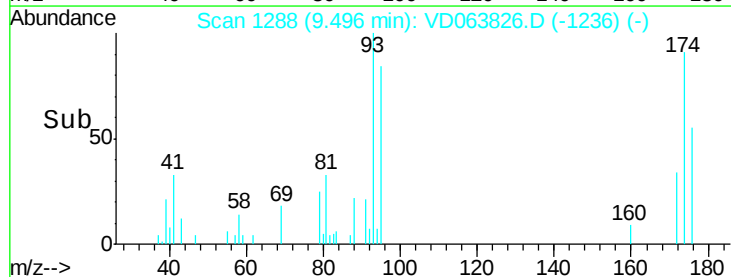
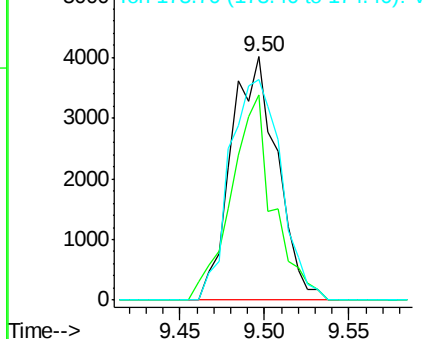
174 100.9 84.2 126.2

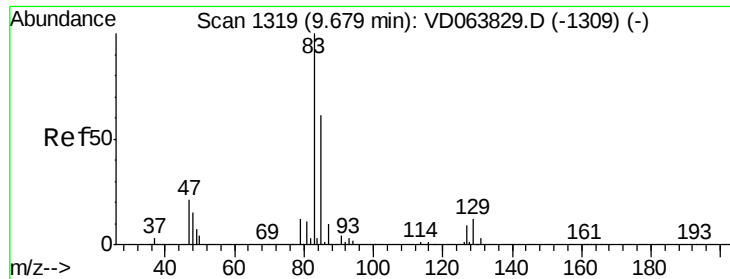


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





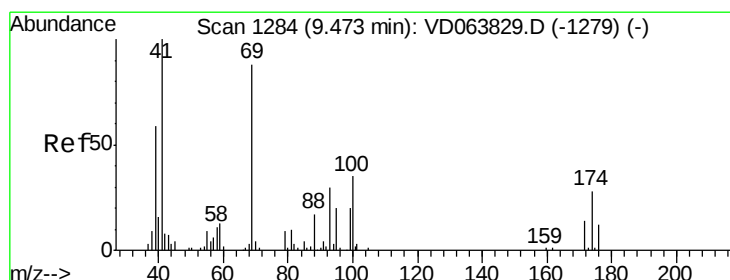
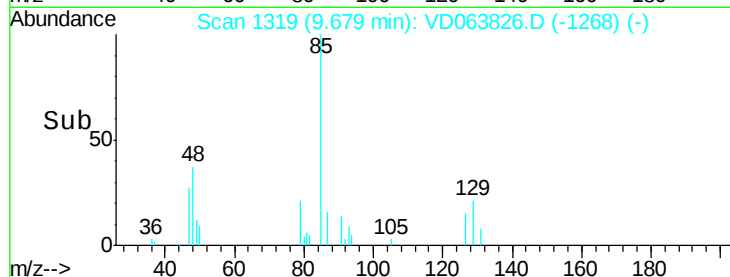
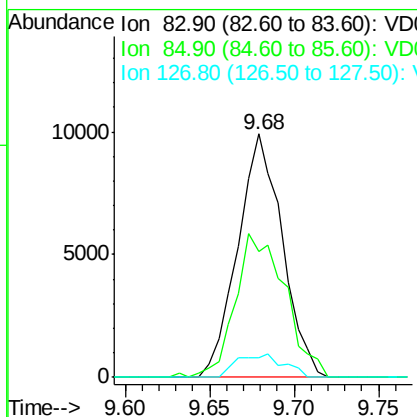
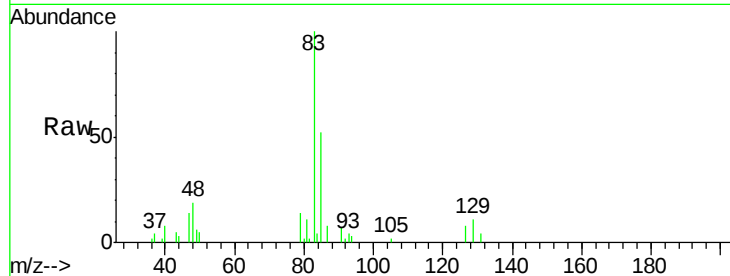
#47
Bromodichloromethane
Concen: 5.206 ug/l
RT: 9.68 min Scan# 1319
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	18176
Ion Ratio	100	Lower	Upper
83	100		
85	51.9	48.6	73.0
127	7.8	6.9	10.3

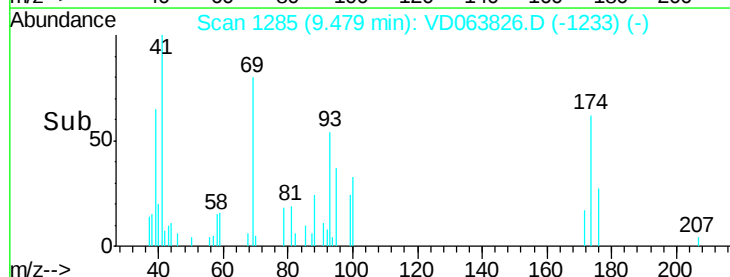
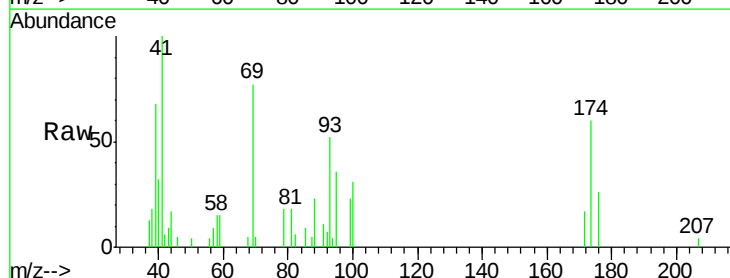
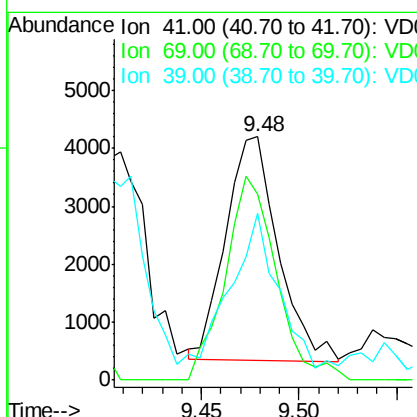
Manual Integrations
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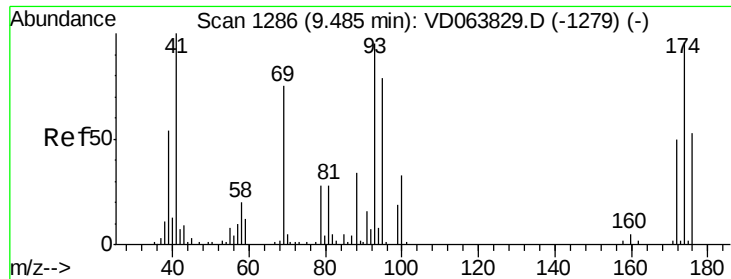
MMDadoda
10/1/2019 9:25:59 AM



#48
Methyl methacrylate
Concen: 5.322 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	41	Resp	7149
Ion Ratio	100	Lower	Upper
41	100		
69	89.6	71.7	107.5
39	73.4	51.7	77.5





#49

1,4-Dioxane

Concen: 111.890 ug/l

RT: 9.48 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

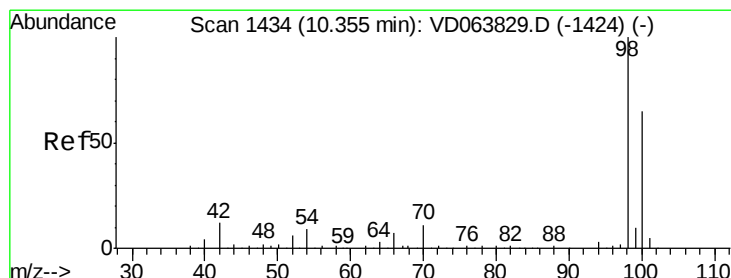
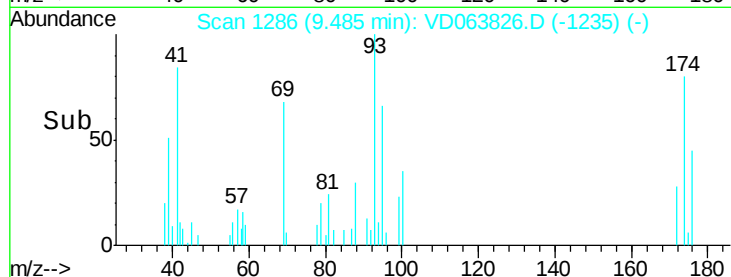
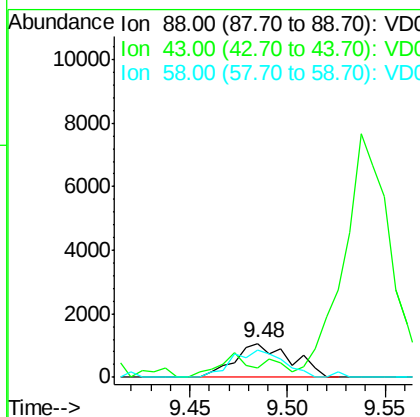
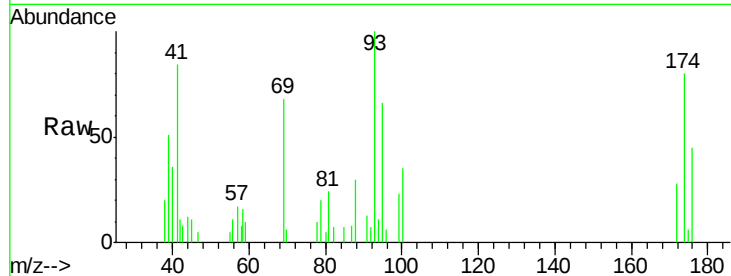
ClientSampleId :

VSTDIC005

Tot Ion	88	Resp	2114
Ion	Ratio	Lower	Upper
88	100		
43	20.2	25.8	38.6#
58	74.1	55.9	83.9

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#50

Toluene-d8

Concen: 4.936 ug/l

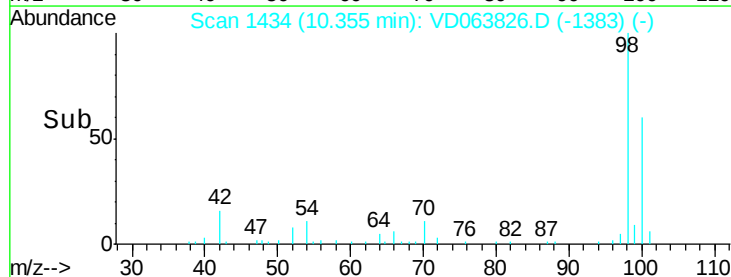
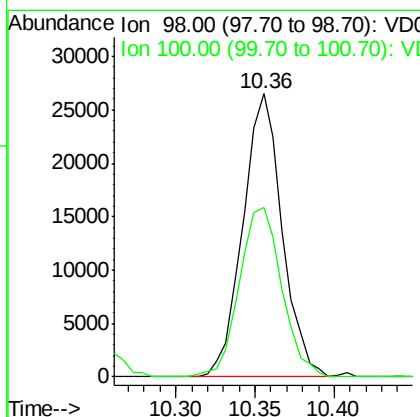
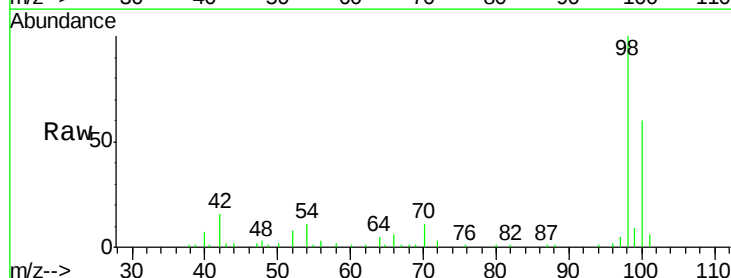
RT: 10.36 min Scan# 1434

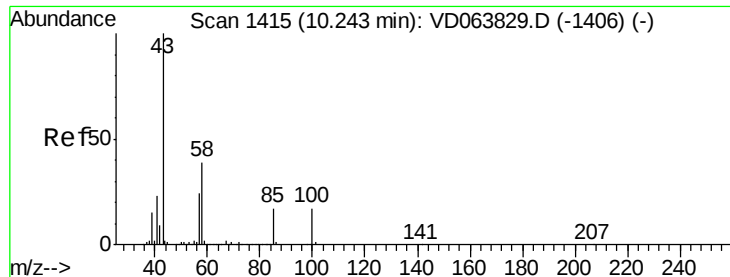
Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion	98	Resp	45610
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.6	77.4





#51

4-Methyl-2-Pentanone

Concen: 28.409 ug/l

RT: 10.25 min Scan# 1416

Delta R.T. 0.01 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC005

Tot Ion: 43 Resp: 42265

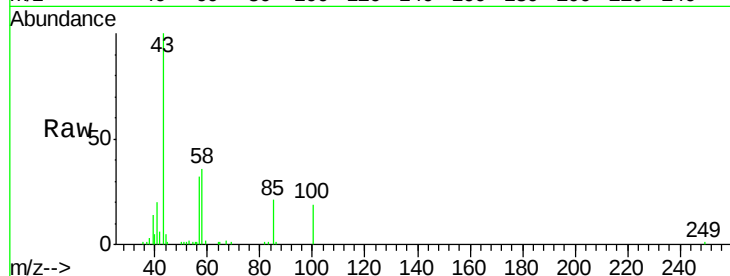
Ion Ratio Lower Upper

43 100

58 35.0 30.9 46.3

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

25000

20000

15000

10000

5000

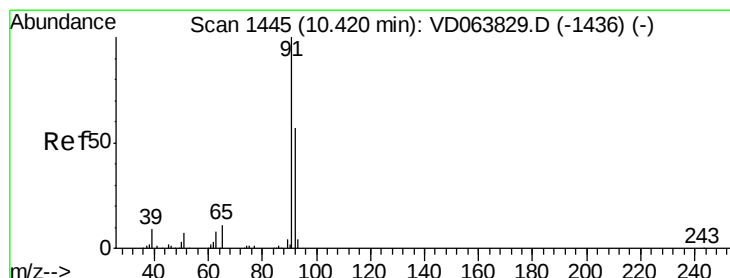
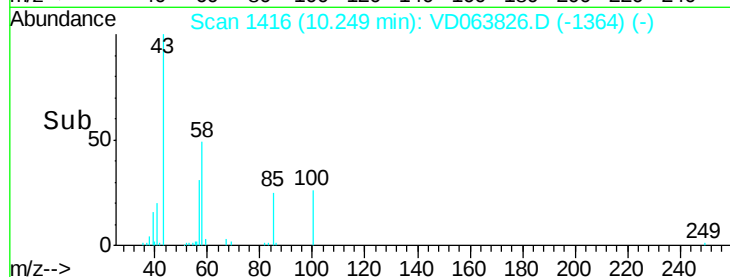
0

10.20

10.25

10.30

Time-->



#52

Toluene

Concen: 5.479 ug/l

RT: 10.41 min Scan# 1444

Delta R.T. -0.01 min

Lab File: VD063826.D

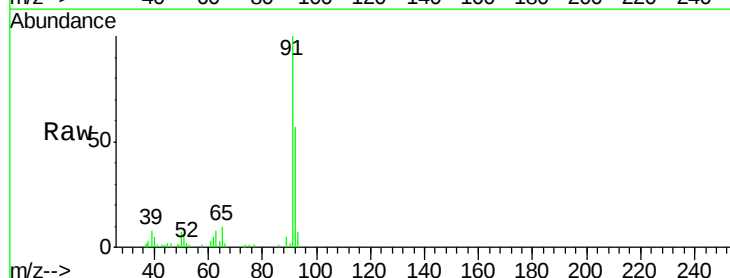
Acq: 25 Sep 2019 16:58

Tgt Ion: 92 Resp: 36087

Ion Ratio Lower Upper

92 100

91 172.2 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

40000

30000

20000

10000

0

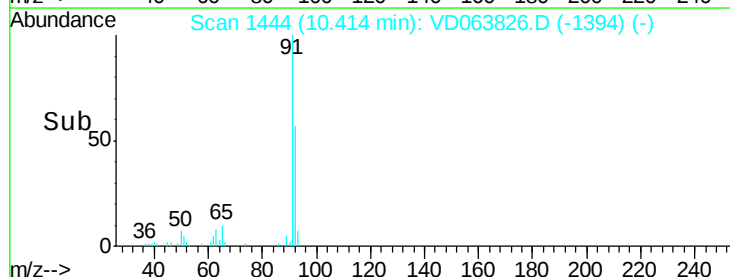
10.35

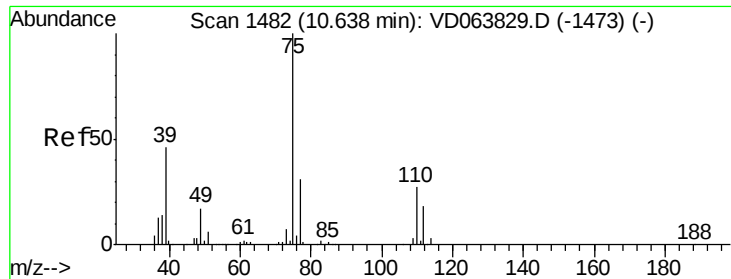
10.41

10.45

10.50

Time-->





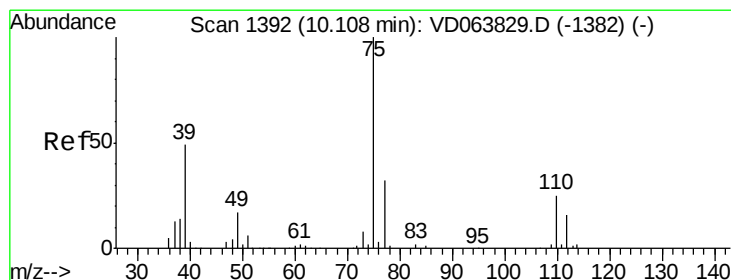
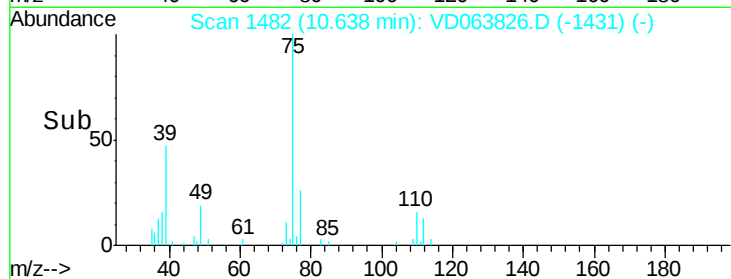
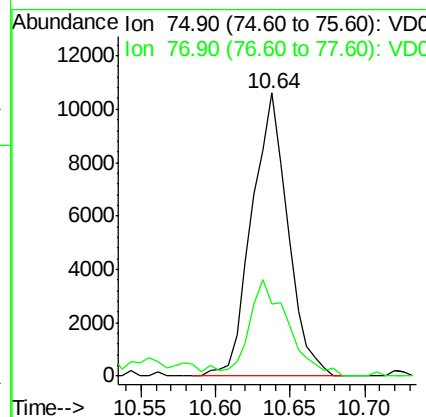
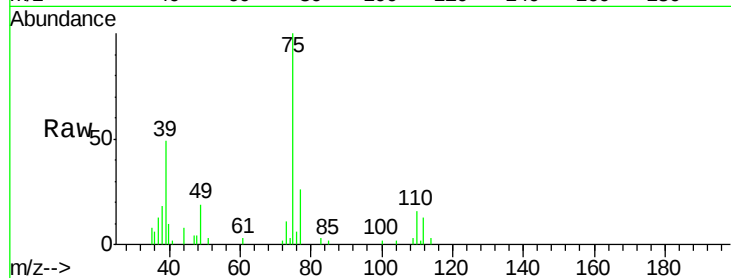
#53
t-1,3-Dichloropropene
Concen: 5.108 ug/l
RT: 10.64 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	25.6	24.9	37.3

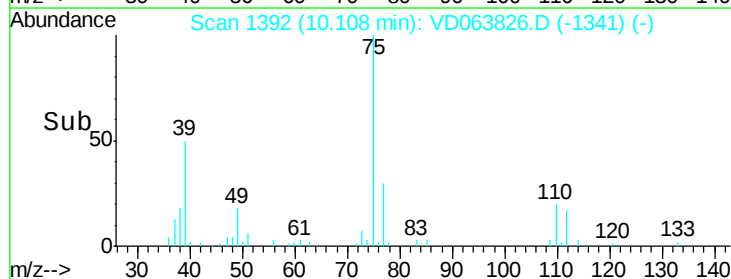
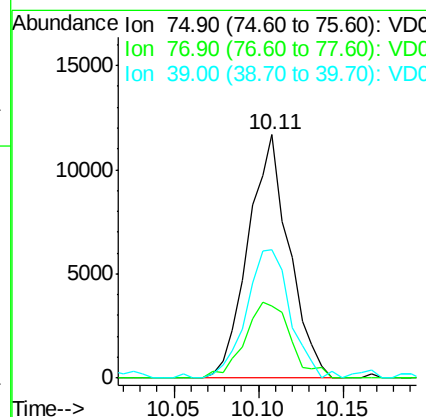
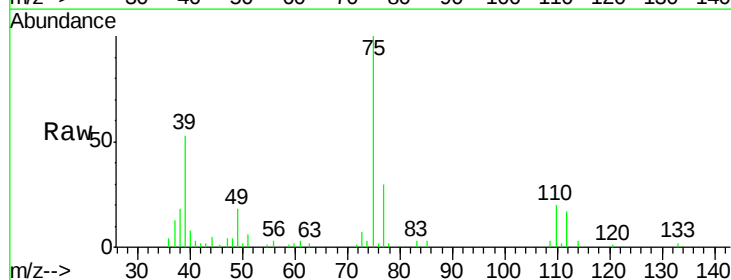
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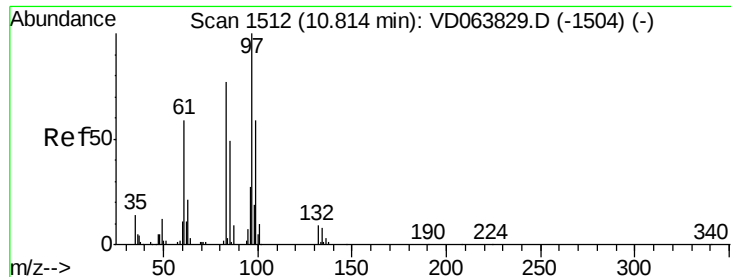
MMDadoda
10/1/2019 9:25:59 AM



#54
cis-1,3-Dichloropropene
Concen: 5.030 ug/l
RT: 10.11 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.8	25.8	38.8
39	52.7	39.5	59.3





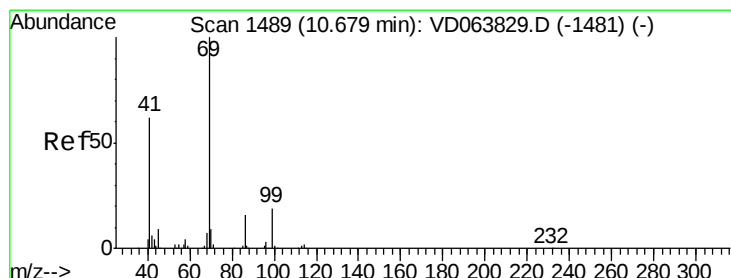
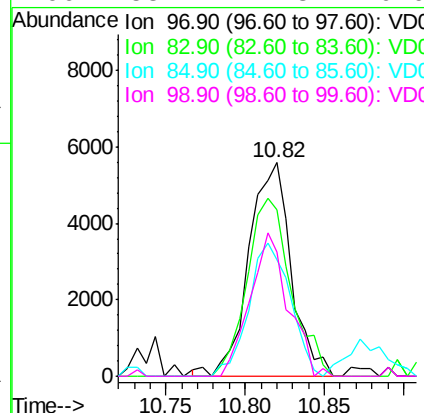
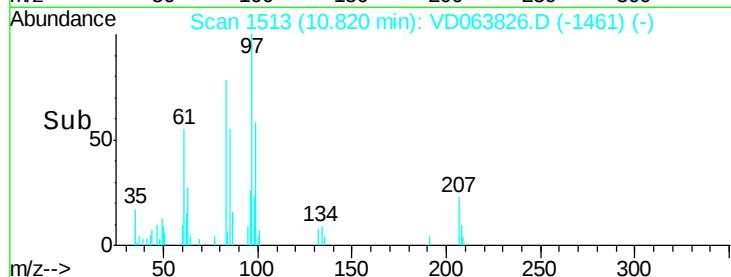
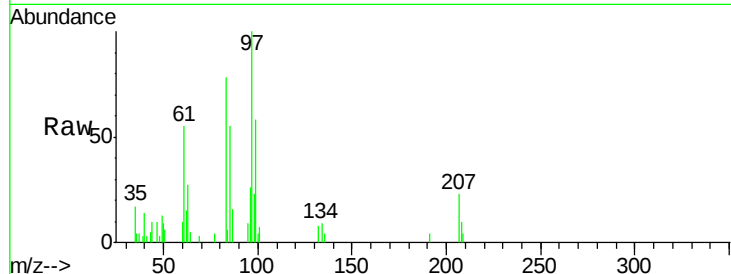
#55
 1,1,2-Trichloroethane
 Concen: 5.415 ug/l
 RT: 10.82 min Scan# 1513
 Delta R.T. 0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	10362
Ion	Ratio	Lower	Upper
97	100		
83	77.9	61.9	92.9
85	54.7	39.4	59.2
99	58.1	47.3	70.9

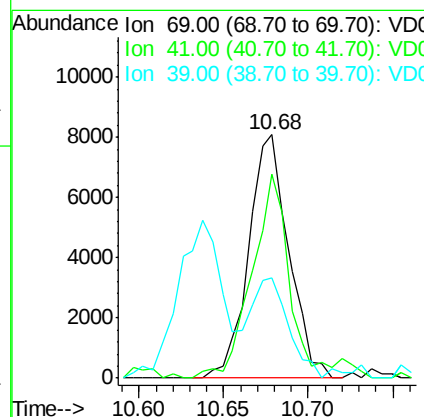
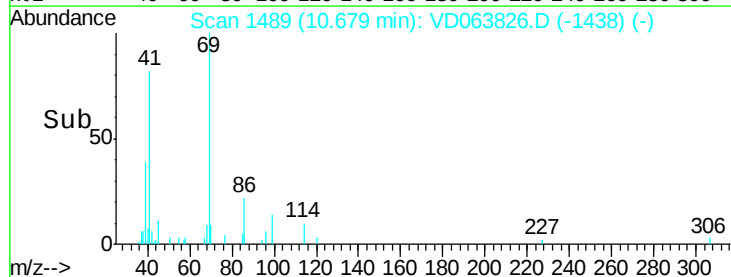
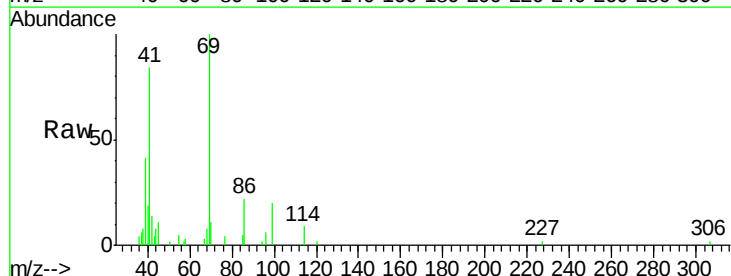
Manual Integrations
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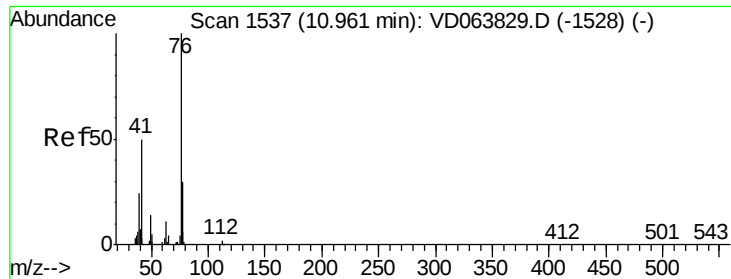
MMDadoda
 10/1/2019 9:25:59 AM



#56
 Ethyl methacrylate
 Concen: 5.493 ug/l
 RT: 10.68 min Scan# 1489
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion:	69	Resp:	13360
Ion	Ratio	Lower	Upper
69	100		
41	77.8	52.2	78.4
39	36.8	28.7	43.1





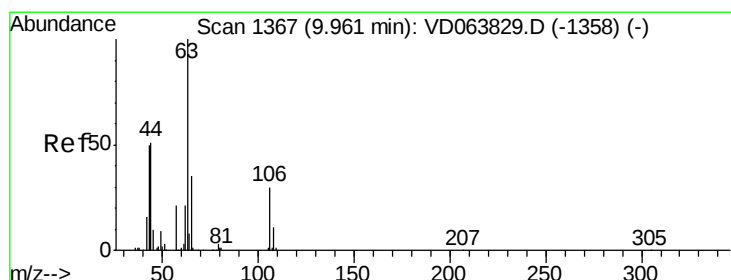
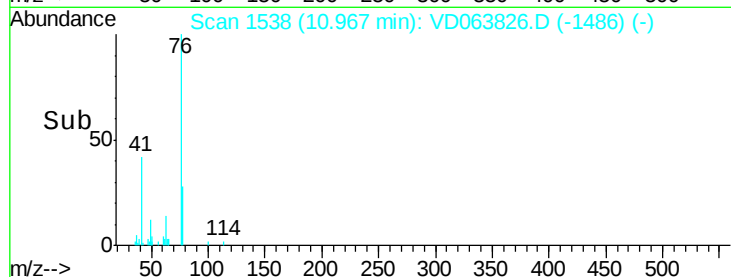
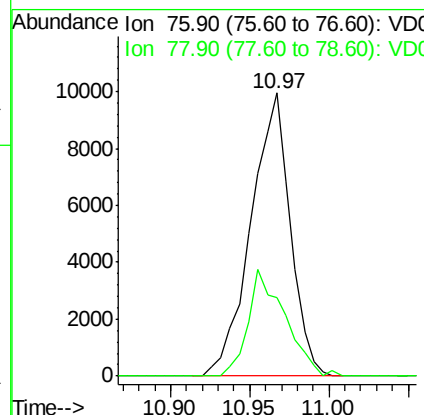
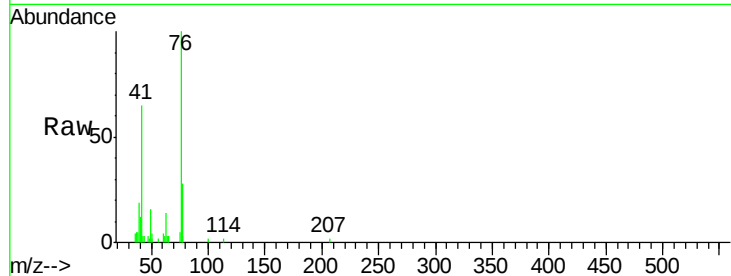
#57
 1,3-Dichloropropane
 Concen: 5.284 ug/l
 RT: 10.97 min Scan# 1538
 Delta R.T. 0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 17183
 Ion Ratio Lower Upper
 76 100
 78 35.2 25.7 38.5

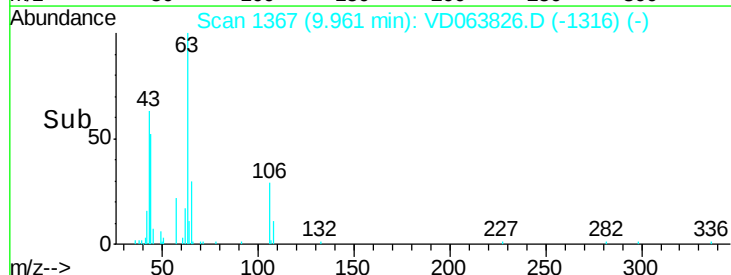
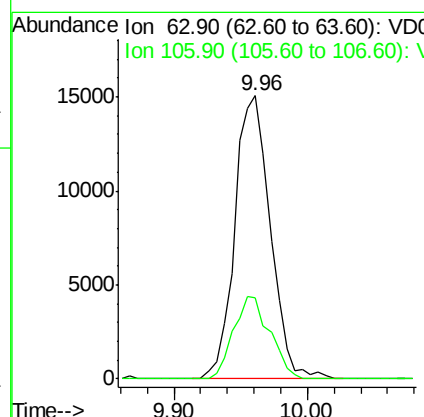
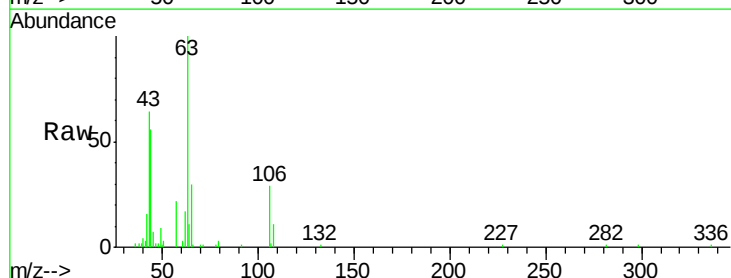
Manual Integrations
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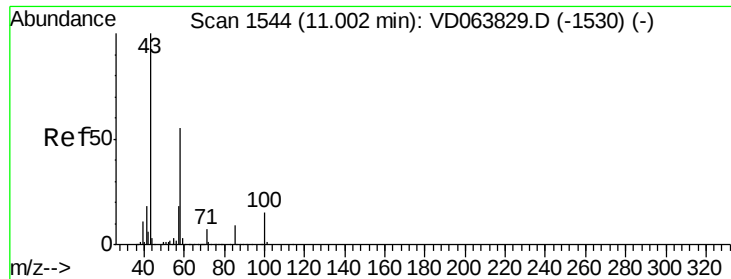
MMDadoda
 10/1/2019 9:25:59 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 25.573 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion: 63 Resp: 27801
 Ion Ratio Lower Upper
 63 100
 106 29.9 23.4 35.0





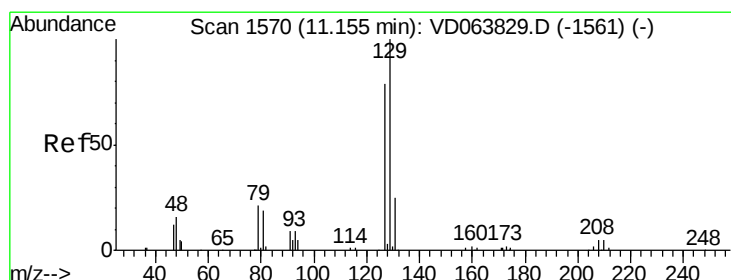
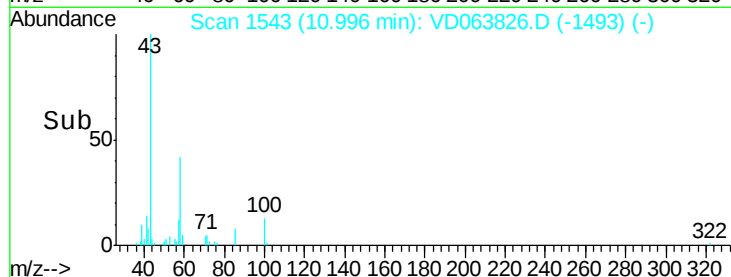
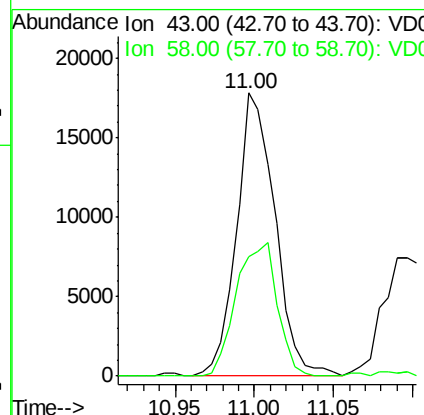
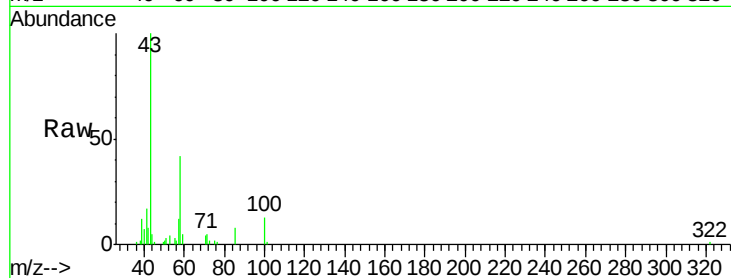
#59
2-Hexanone
Concen: 28.255 ug/l
RT: 11.00 min Scan# 1543
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 29993
Ion Ratio Lower Upper
43 100
58 50.2 27.6 82.7

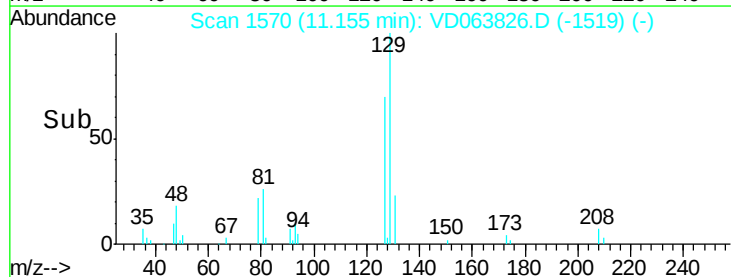
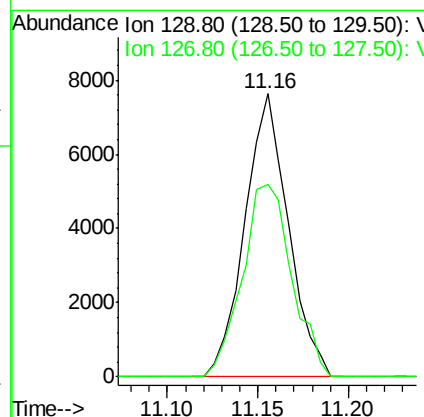
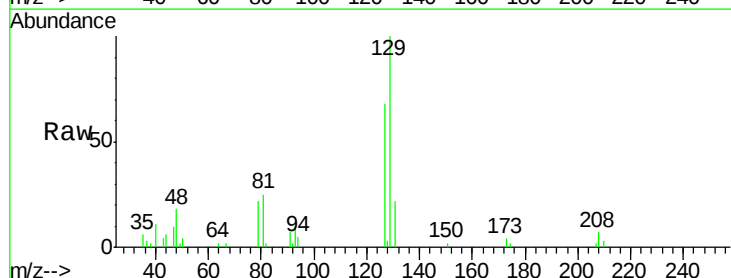
Manual Integrations
APPROVED

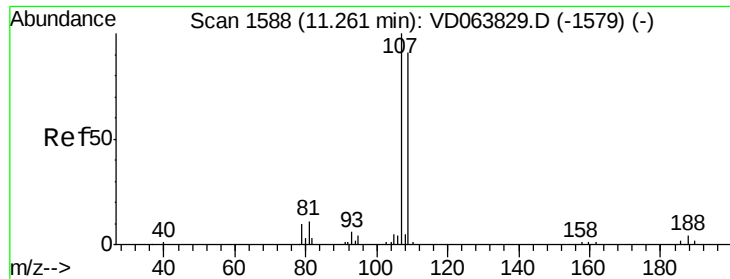
MMDadoda
10/1/2019 9:25:59 AM



#60
Dibromochloromethane
Concen: 5.024 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion: 129 Resp: 12688
Ion Ratio Lower Upper
129 100
127 77.6 38.8 116.3





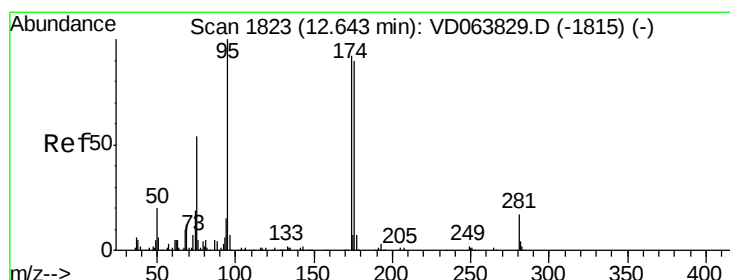
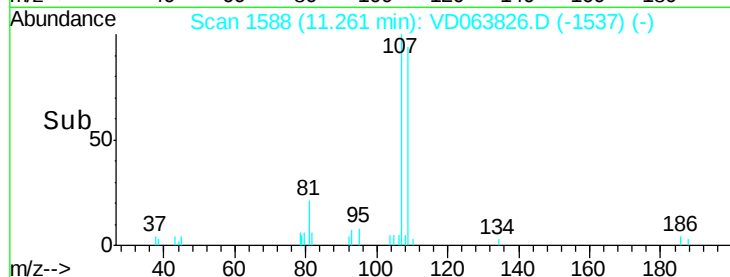
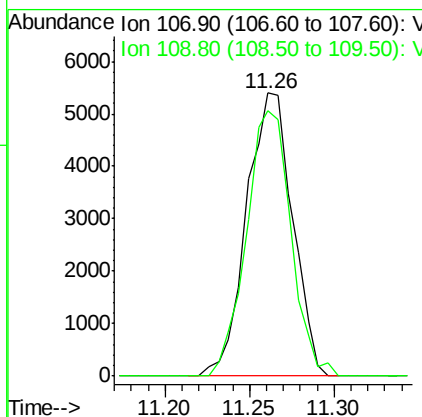
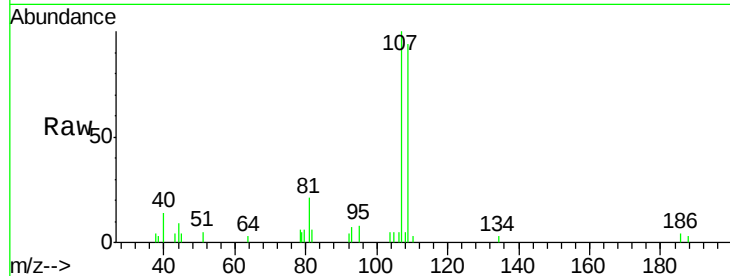
#61
 1,2-Dibromoethane
 Concen: 5.325 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.2	74.9	112.3

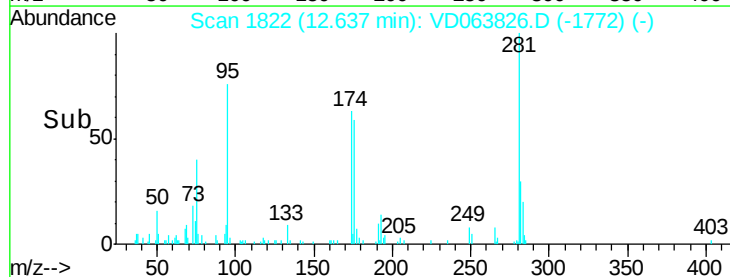
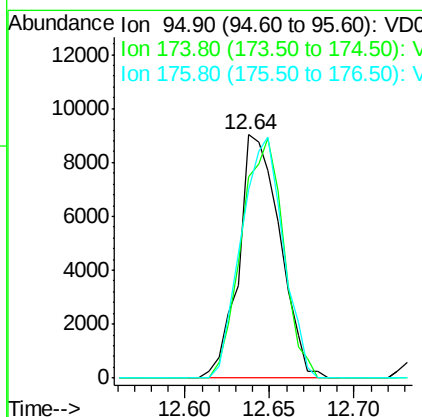
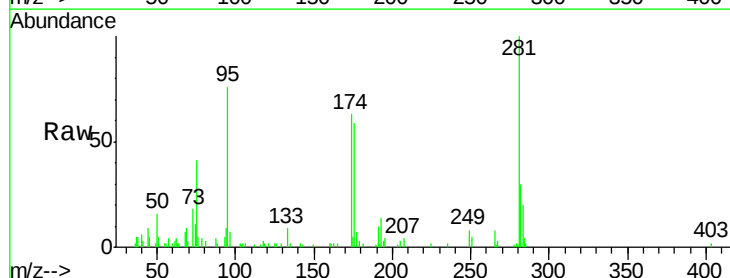
Manual Integrations
 APPROVED

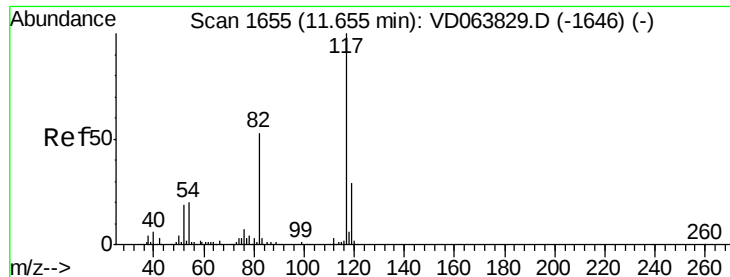
MMDadoda
 10/1/2019 9:25:59 AM



#62
 4-Bromofluorobenzene
 Concen: 4.630 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
95	100		
174	99.5	0.0	183.2
176	101.1	0.0	177.4





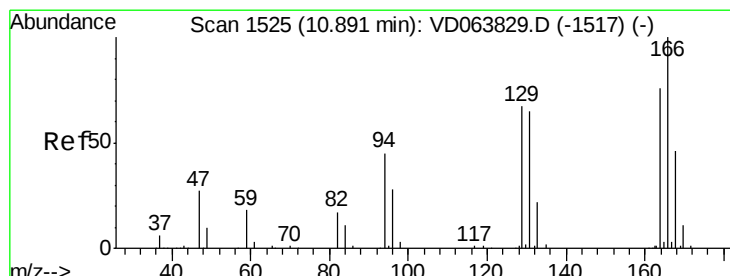
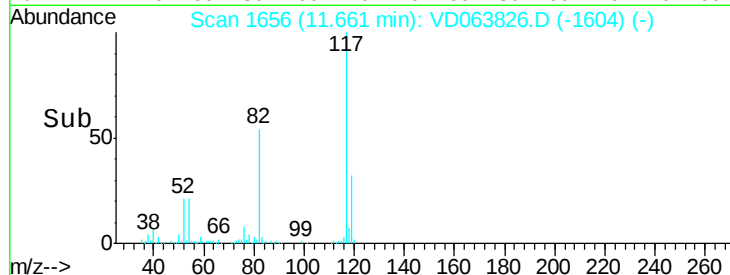
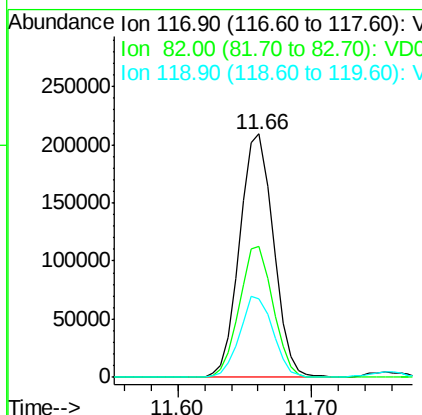
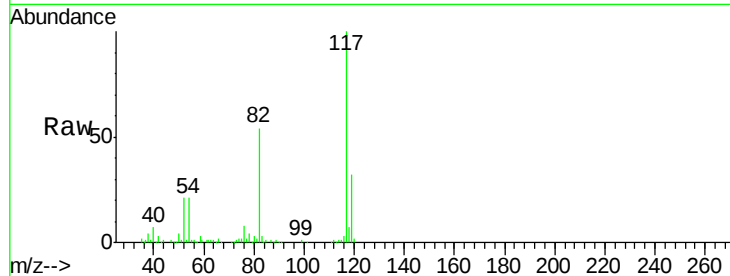
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1656
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.0	42.4	63.6
119	32.3	23.5	35.3

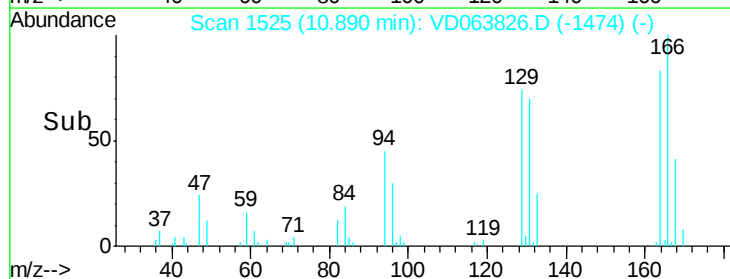
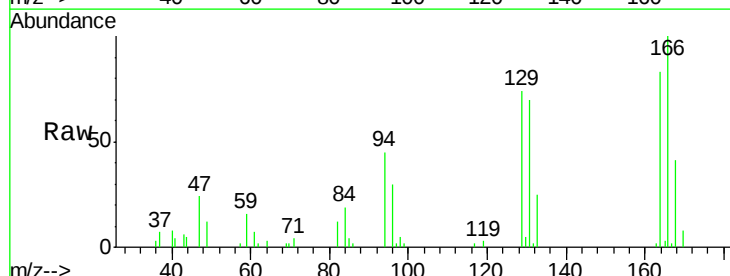
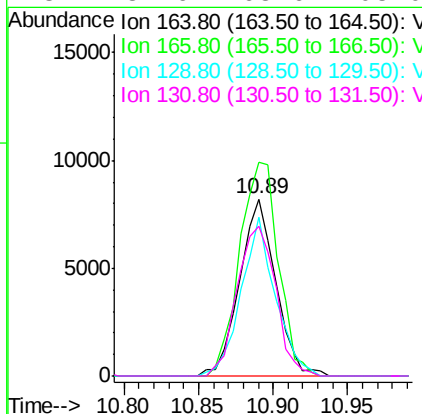
Manual Integrations
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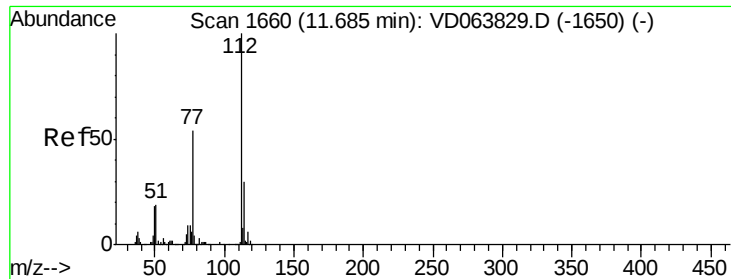
MMDadoda
10/1/2019 9:25:59 AM



#64
Tetrachloroethene
Concen: 5.564 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
164	100		
166	120.9	105.5	158.3
129	89.8	70.2	105.4
131	84.6	68.6	103.0





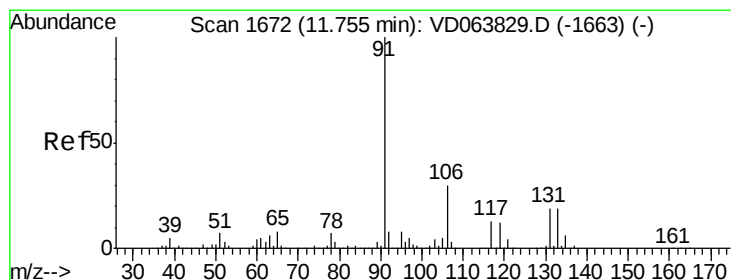
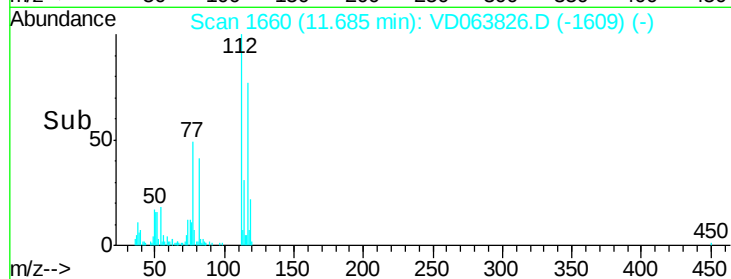
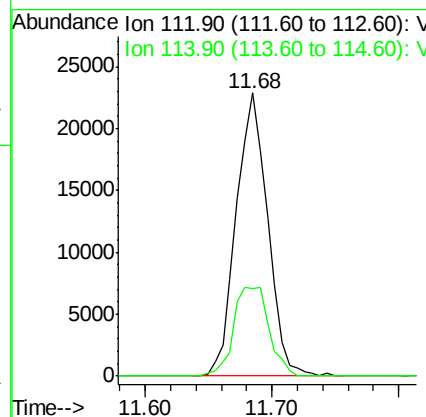
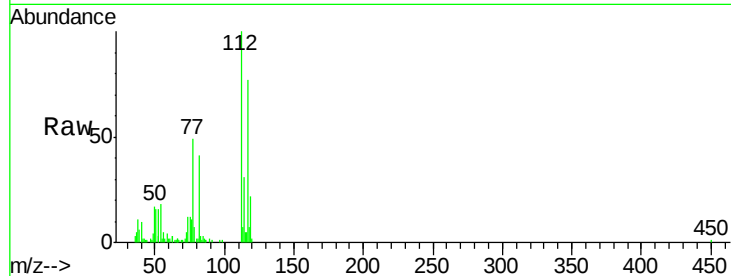
#65
Chlorobenzene
Concen: 5.318 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion:112 Resp: 39304
Ion Ratio Lower Upper
112 100
114 31.0 24.2 36.2

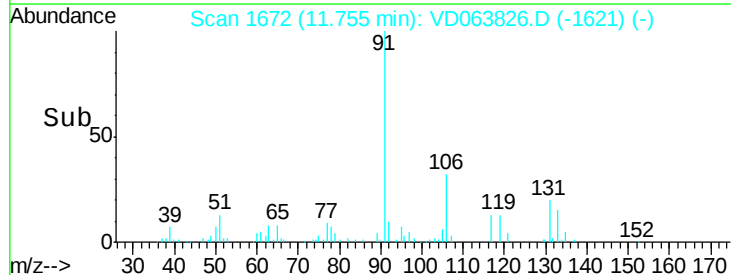
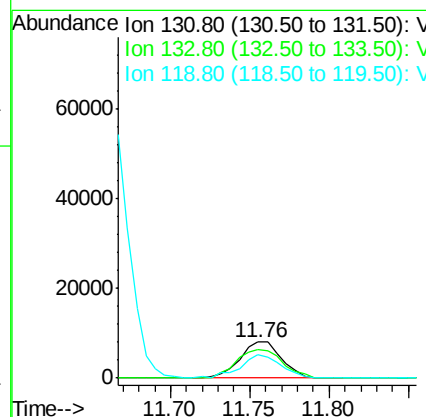
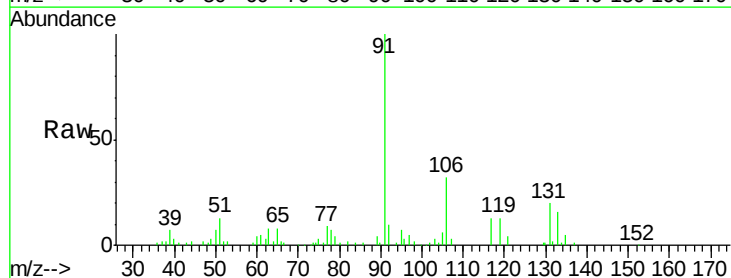
Manual Integrations
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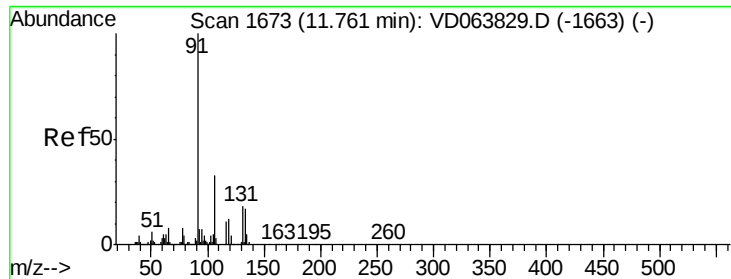
MMDadoda
10/1/2019 9:25:59 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.410 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion:131 Resp: 14693
Ion Ratio Lower Upper
131 100
133 88.2 47.4 142.3
119 62.4 31.6 94.8





#67

Ethyl Benzene

Concen: 5.255 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 70157

Ion Ratio Lower Upper

91 100

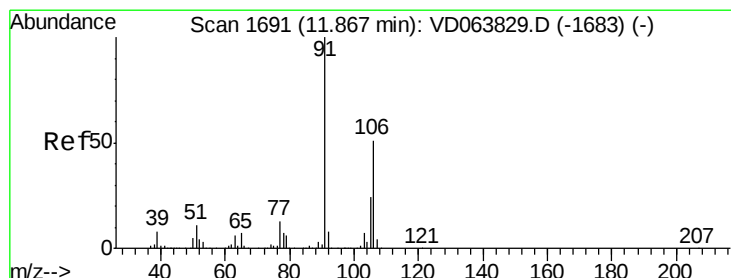
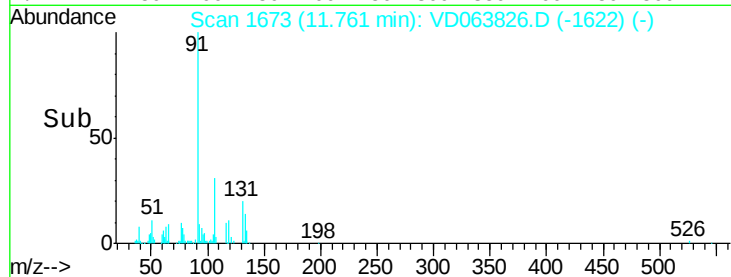
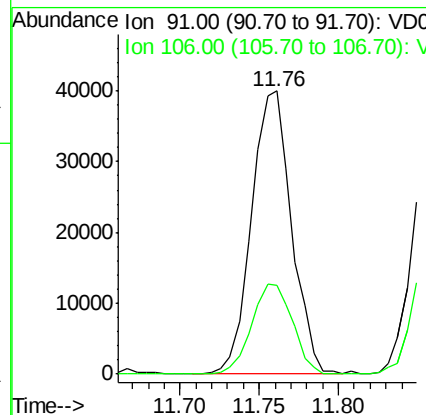
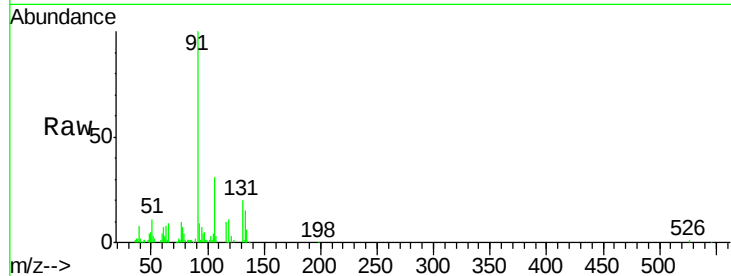
106 31.4 26.6 40.0

Manual Integrations

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10/1/2019 9:25:59 AM



#68

m/p-Xylenes

Concen: 10.680 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. -0.00 min

Lab File: VD063826.D

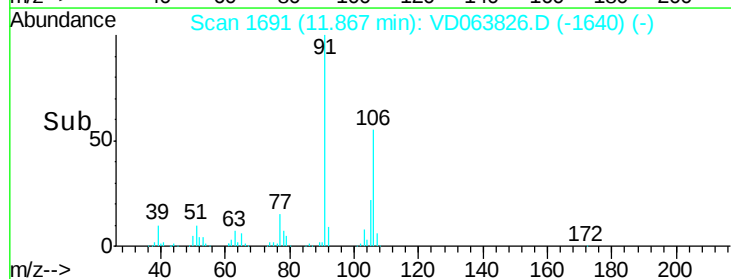
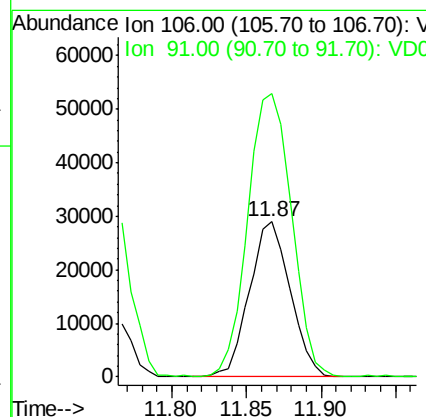
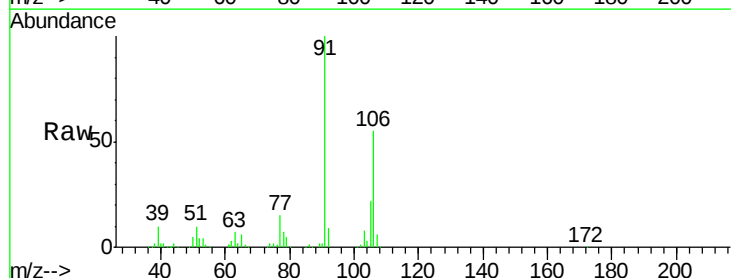
Acq: 25 Sep 2019 16:58

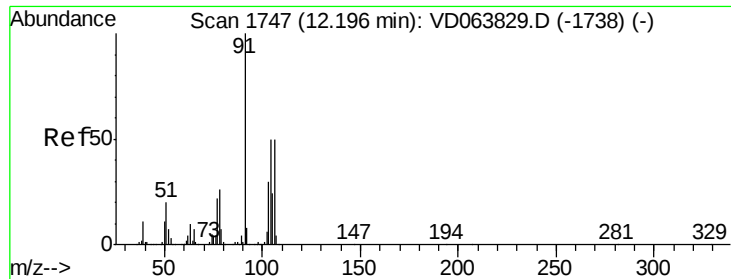
Tgt Ion: 106 Resp: 54749

Ion Ratio Lower Upper

106 100

91 196.4 157.6 236.4





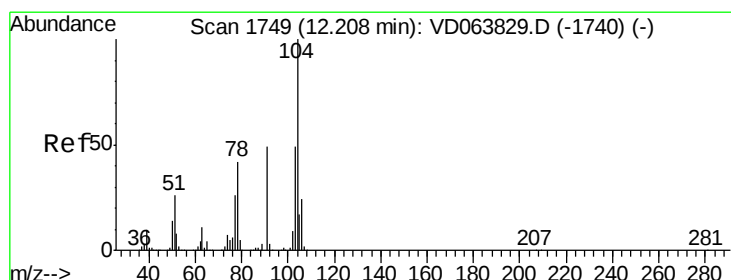
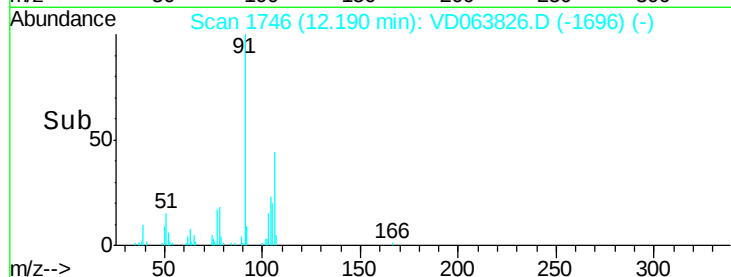
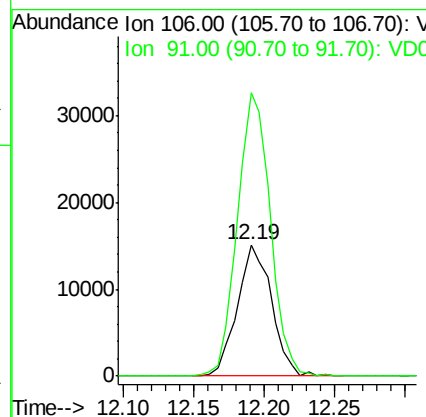
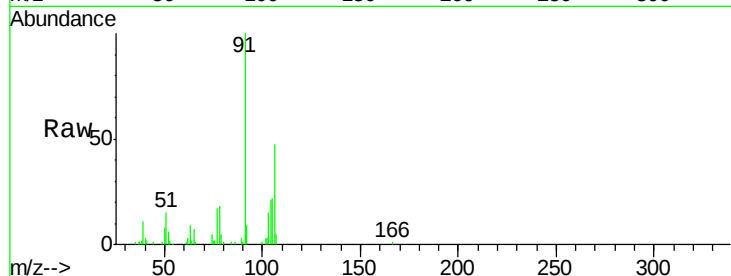
#69
o-Xylene
Concen: 5.300 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.6	102.4	307.1

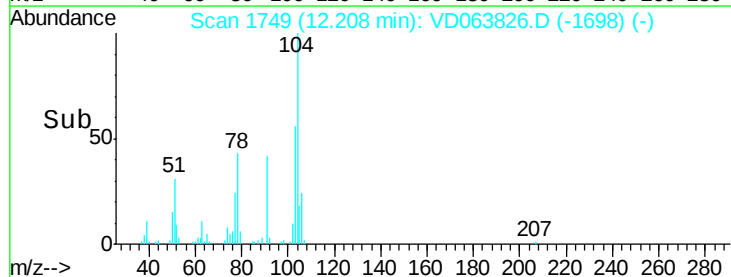
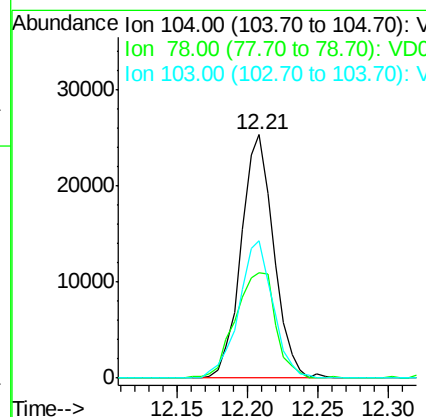
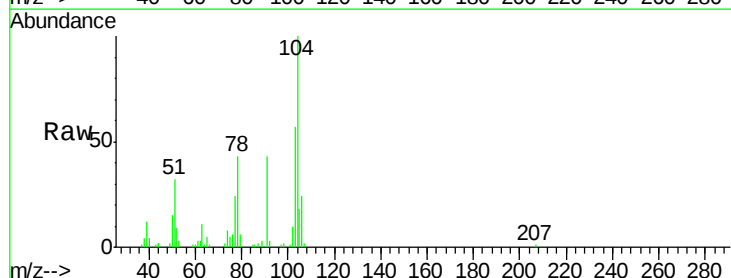
Manual Integrations
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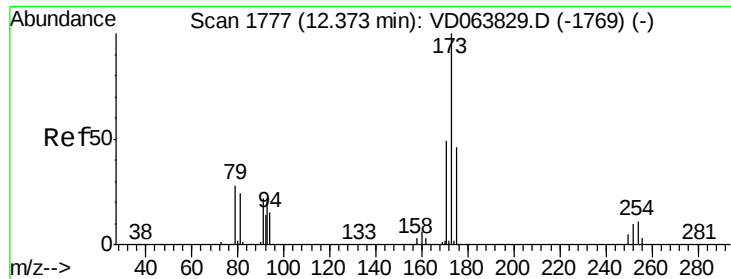
MMDadoda
10/1/2019 9:25:59 AM



#70
Styrene
Concen: 4.990 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.5	37.3	55.9
103	59.0	44.2	66.4





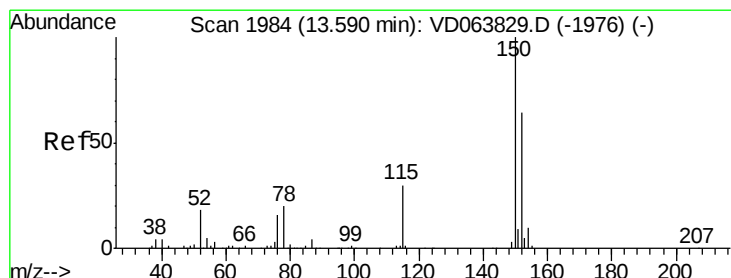
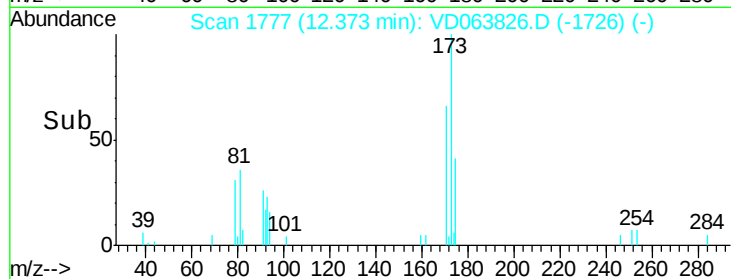
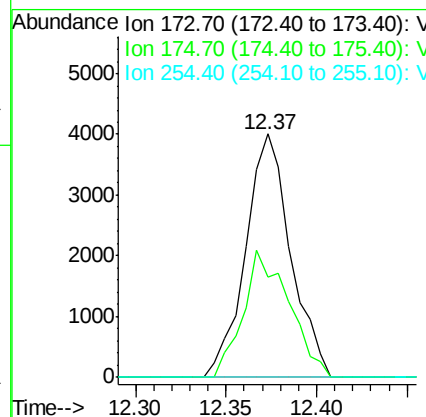
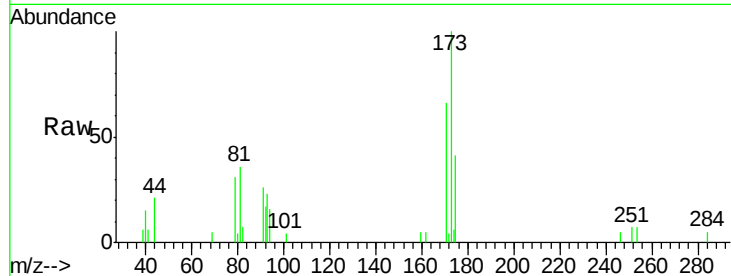
#71
Bromoform
Concen: 4.603 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.9	23.3	69.8
254	0.0	0.1	0.1#

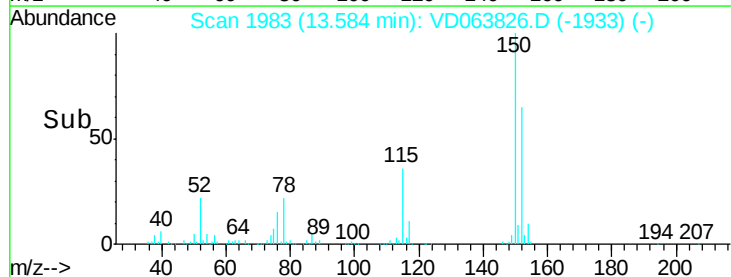
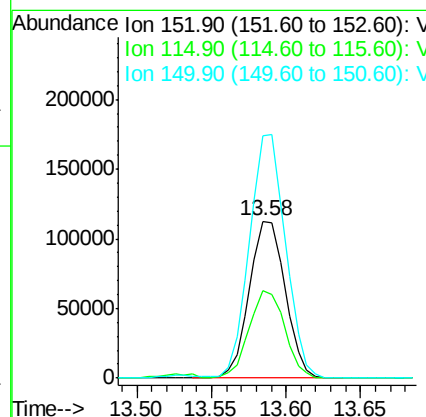
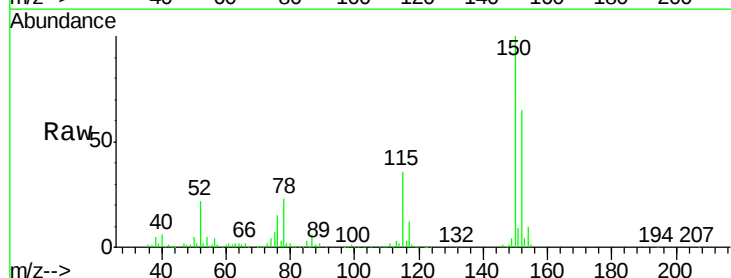
Manual Integrations
APPROVED

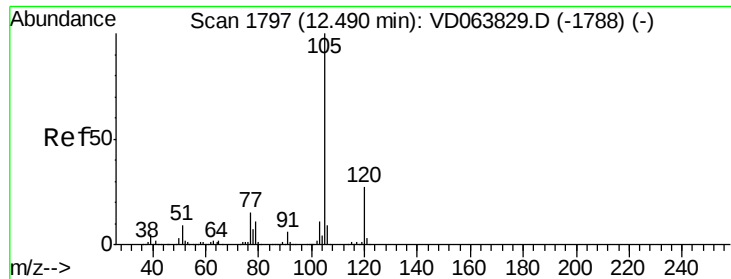
MMDadoda
10/1/2019 9:25:59 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.0	81.0
150	155.7	0.0	344.0





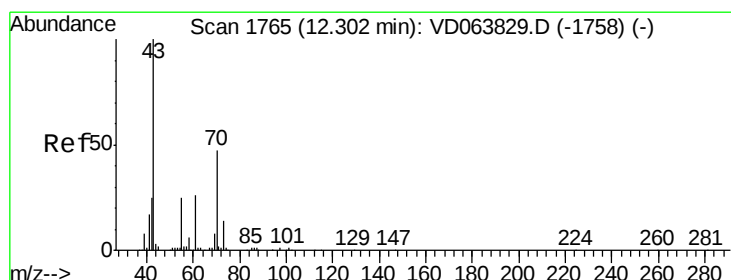
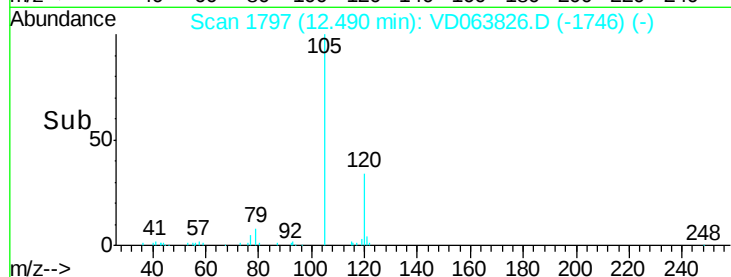
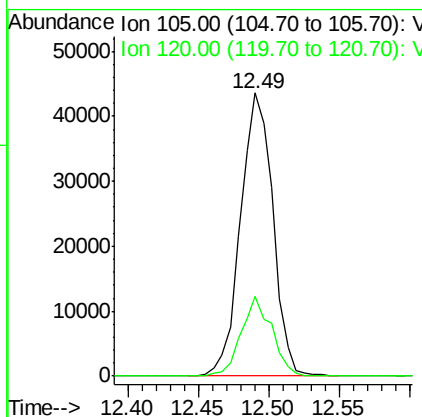
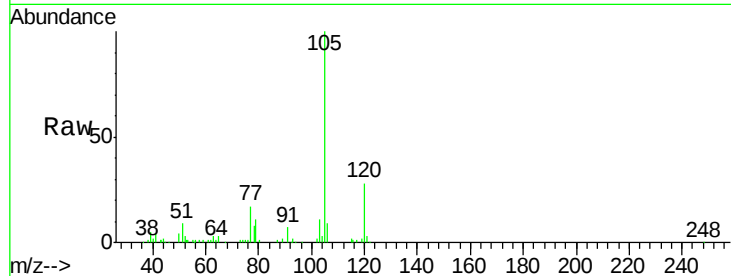
#73
Isopropylbenzene
Concen: 5.459 ug/l
RT: 12.49 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.7	41.0

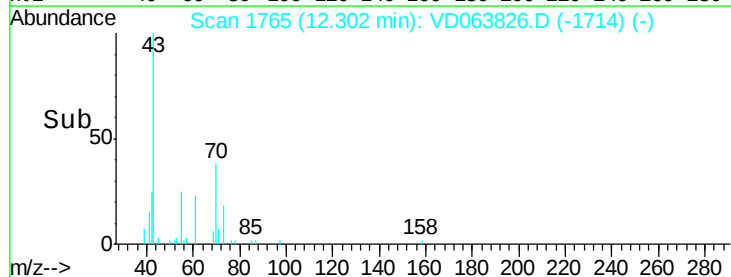
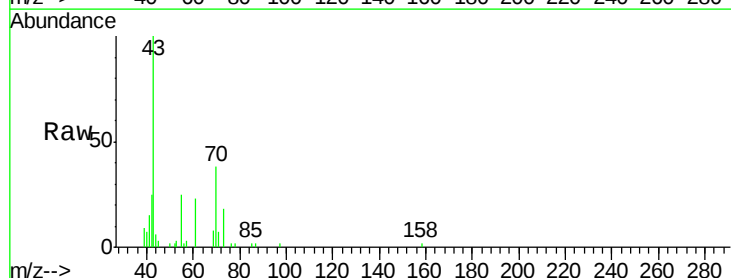
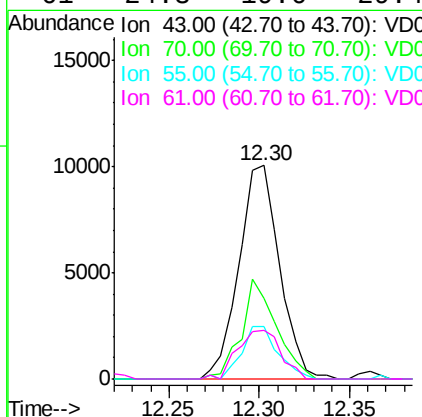
Manual Integrations
APPROVED

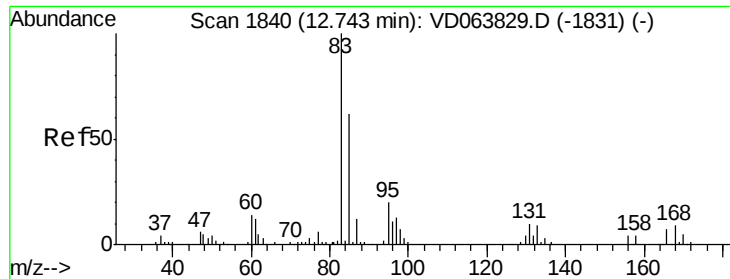
MMDadoda
10/1/2019 9:25:59 AM



#74
N-ethyl acetate
Concen: 5.590 ug/l
RT: 12.30 min Scan# 1765
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
43	100		
70	40.1	35.0	52.6
55	22.3	19.8	29.6
61	24.3	19.6	29.4





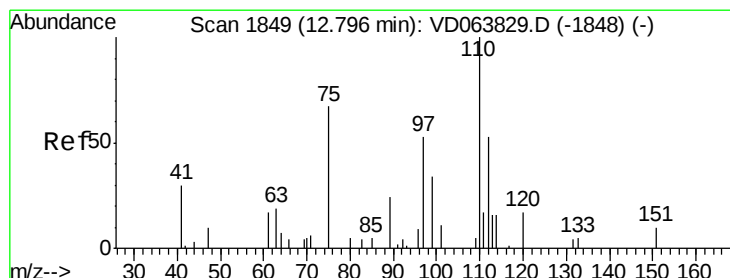
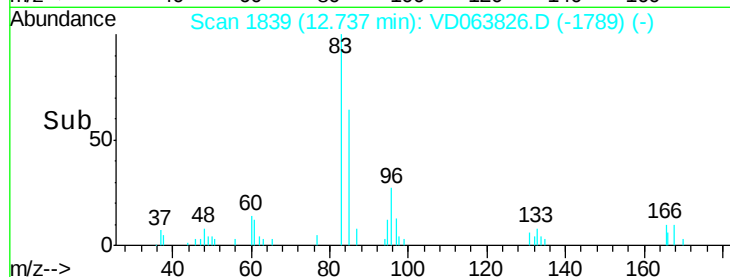
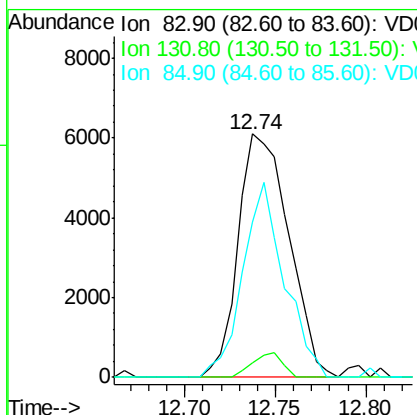
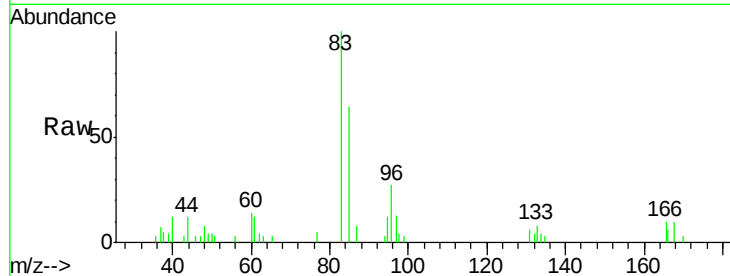
#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.553 ug/l
 RT: 12.74 min Scan# 1839
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
83	100	11865		
131	5.9	5.6	16.8	
85	66.0	31.9	95.7	

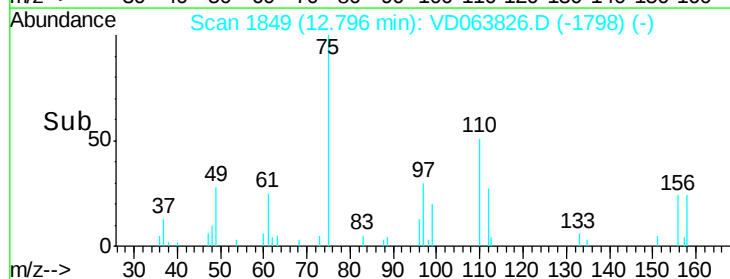
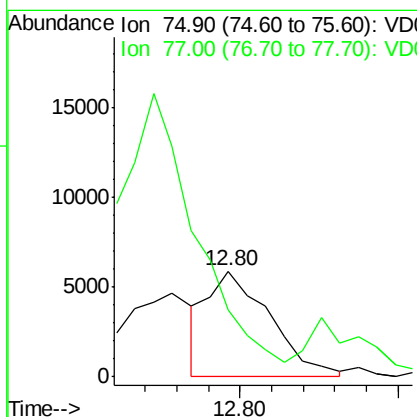
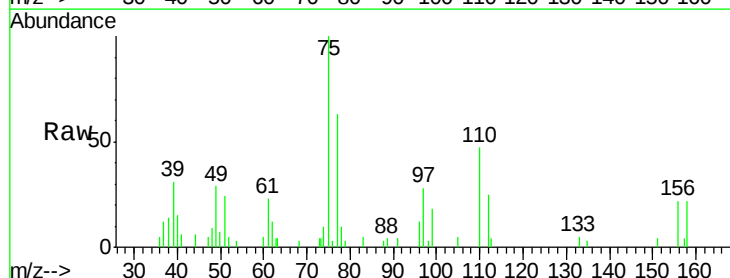
Manual Integrations
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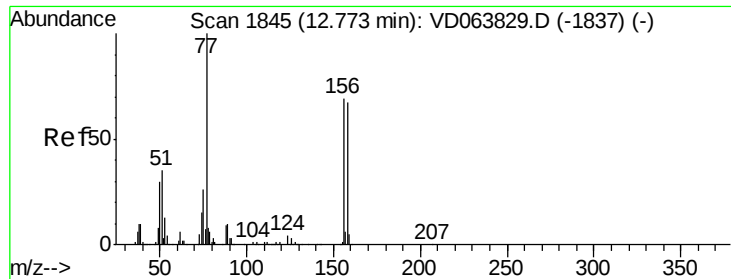
MMDadoda
 10/1/2019 9:25:59 AM



#76
 1,2,3-Trichloropropane
 Concen: 6.785 ug/l m
 RT: 12.80 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	8075		
77	0.0	0.0	0.0	





#77

Bromobenzene

Concen: 5.333 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

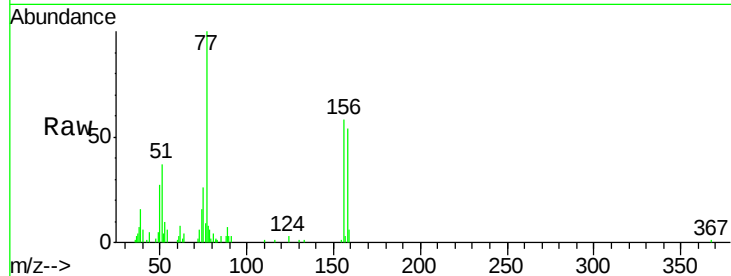
ClientSampleId :

VSTDIC005

Tot Ion:	156	Resp:	16428
Ion	Ratio	Lower	Upper
156	100		
77	174.3	79.8	239.4
158	94.5	47.9	143.7

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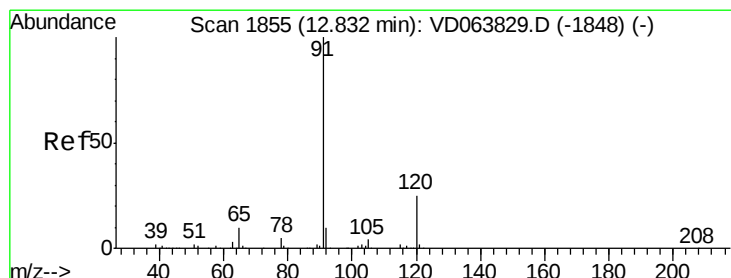
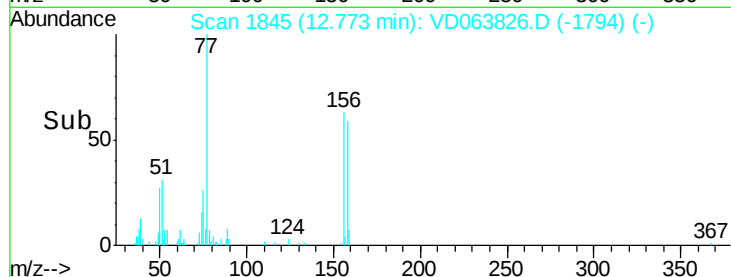
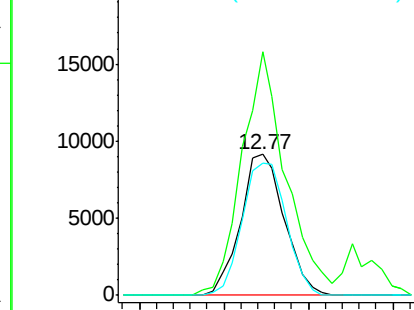
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.365 ug/l

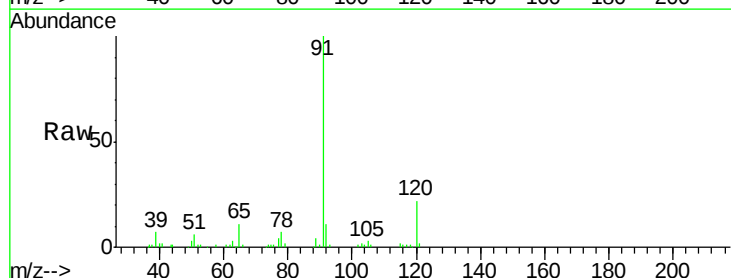
RT: 12.83 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VD063826.D

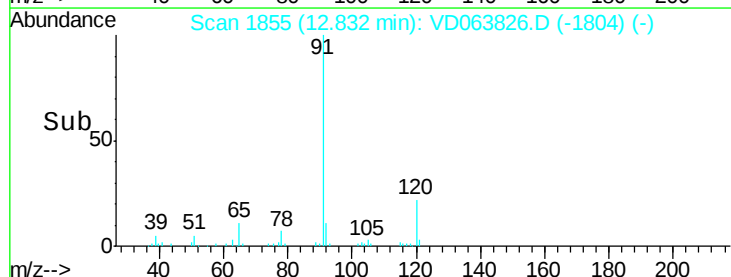
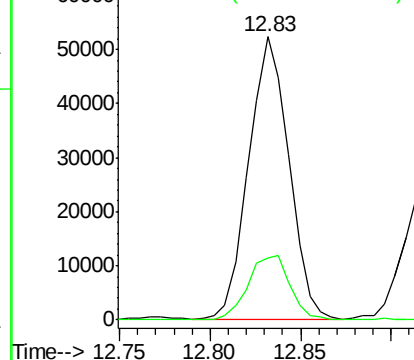
Acq: 25 Sep 2019 16:58

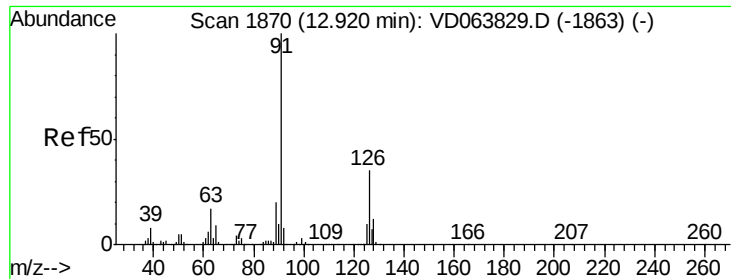
Tgt Ion:	91	Resp:	80910
Ion	Ratio	Lower	Upper
91	100		
120	23.7	12.5	37.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





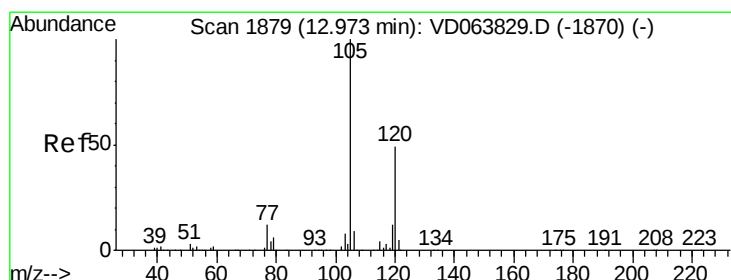
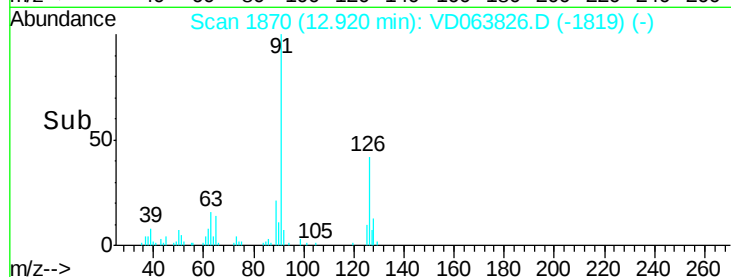
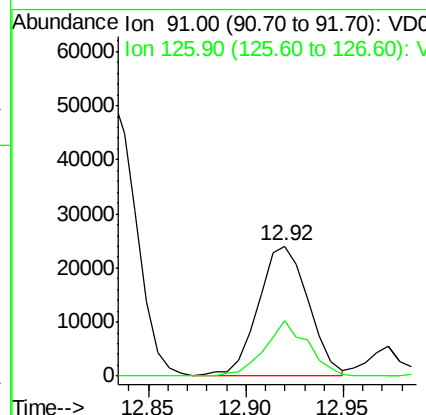
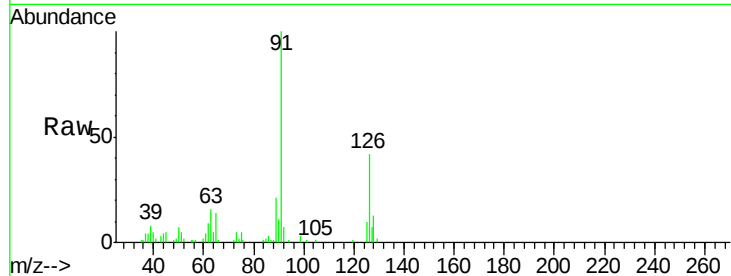
#79
 2-Chlorotoluene
 Concen: 5.251 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 91 Resp: 42709
 Ion Ratio Lower Upper
 91 100
 126 36.3 17.8 53.5

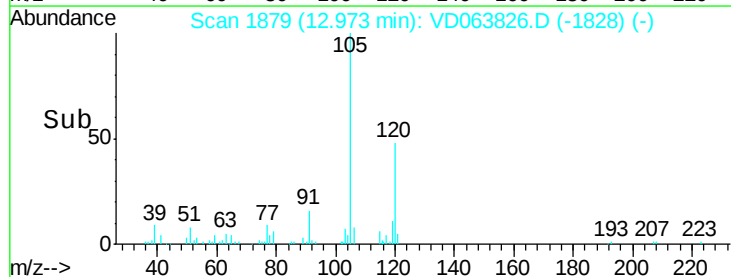
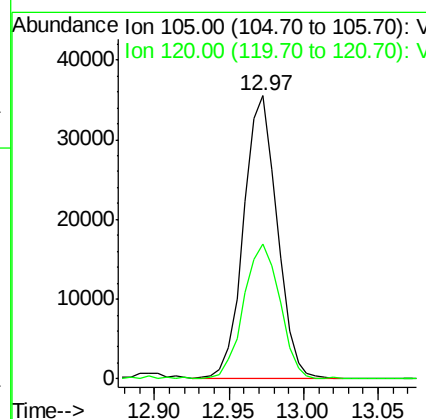
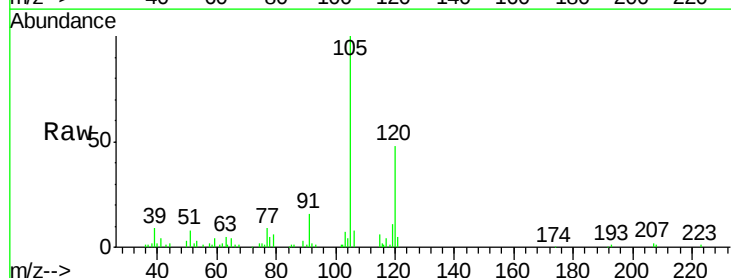
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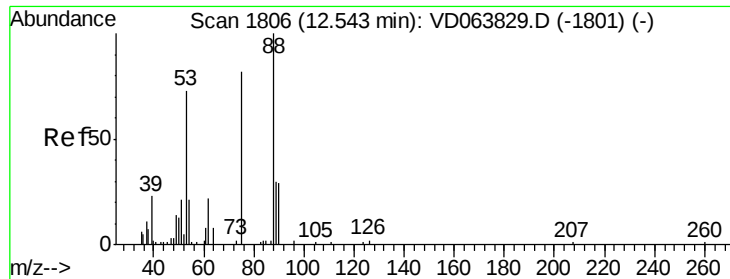
MMDadoda
 10/1/2019 9:25:59 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 5.181 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion: 105 Resp: 55358
 Ion Ratio Lower Upper
 105 100
 120 51.3 24.9 74.8





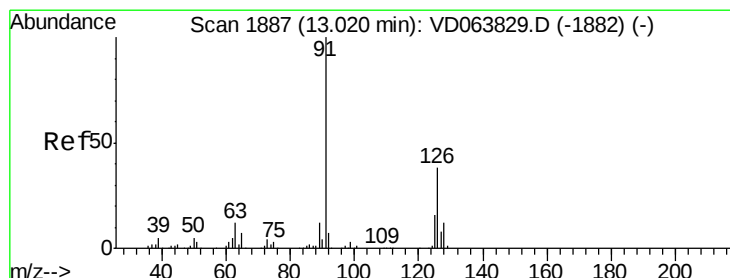
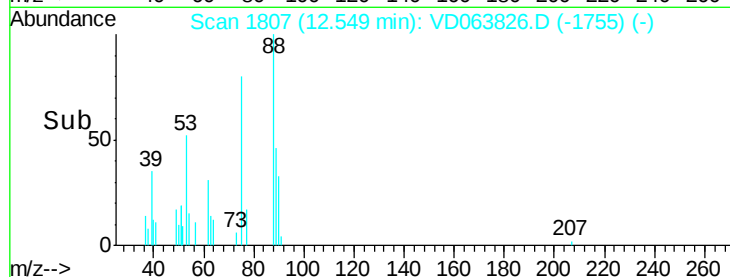
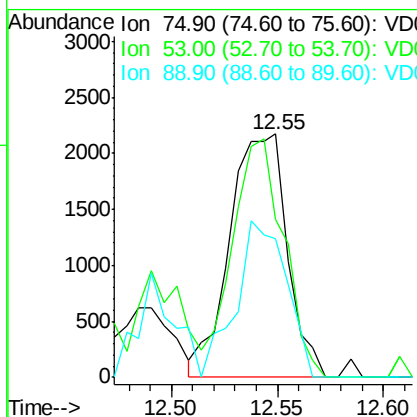
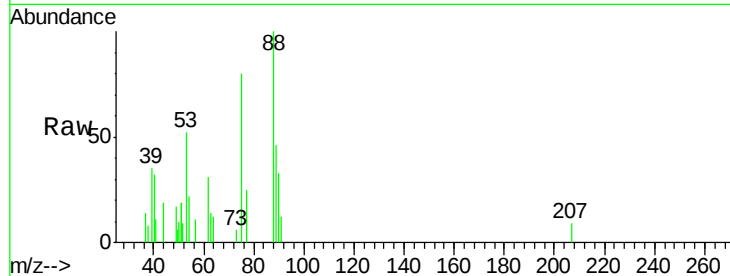
#81
trans-1,4-Dichloro-2-butene
Concen: 5.739 ug/l
RT: 12.55 min Scan# 1807
Delta R.T. 0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
53	87.3	76.5	114.7
89	56.6	37.0	55.6#

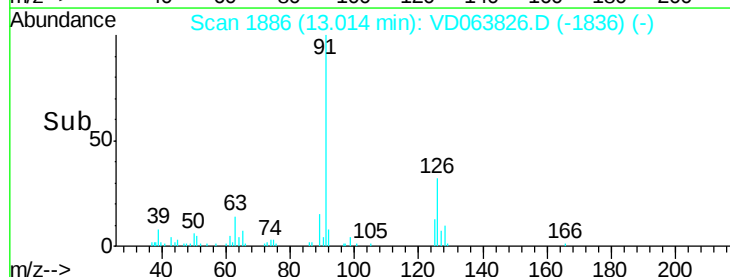
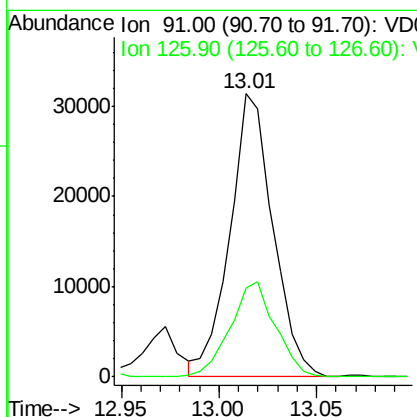
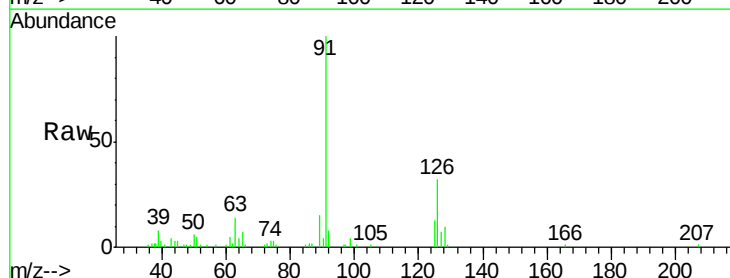
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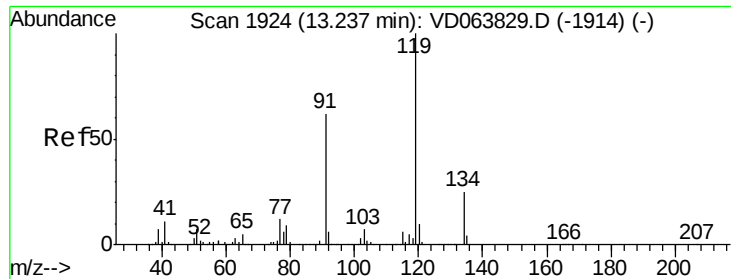
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#82
4-Chlorotoluene
Concen: 5.532 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	18.6	55.6





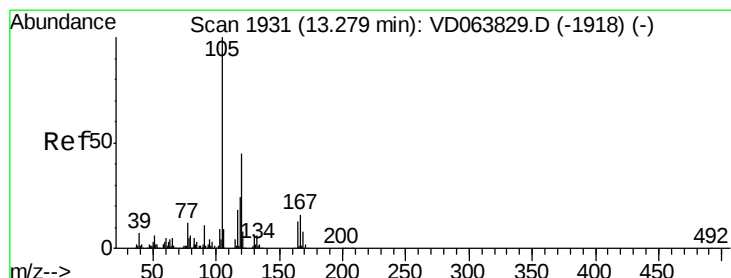
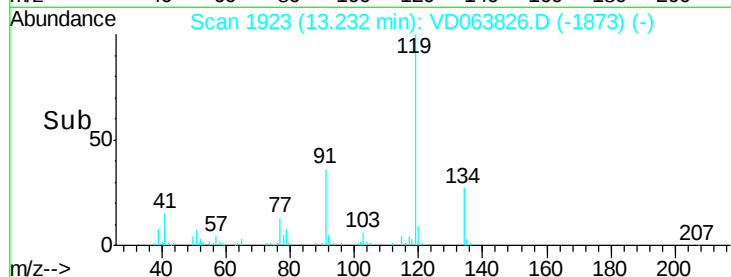
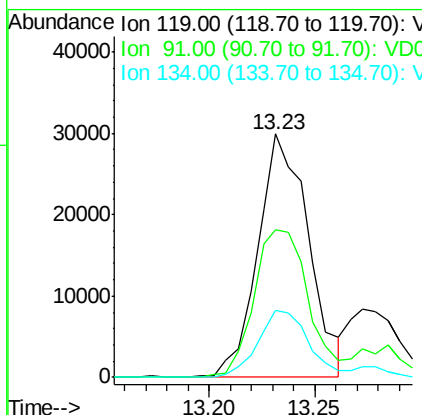
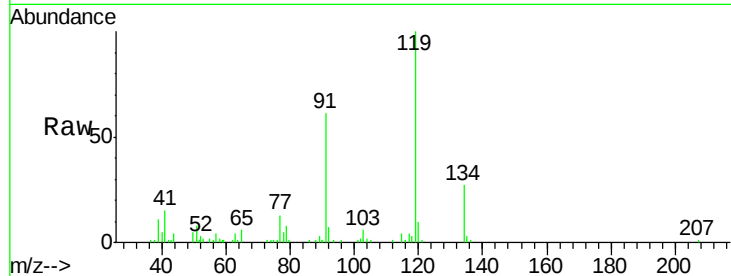
#83
 tert-Butylbenzene
 Concen: 5.361 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	30.8	92.3
134	27.6	13.2	39.6

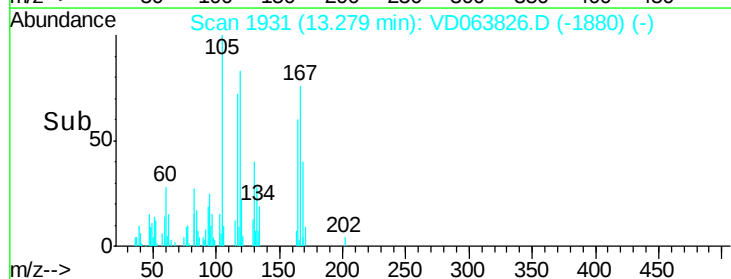
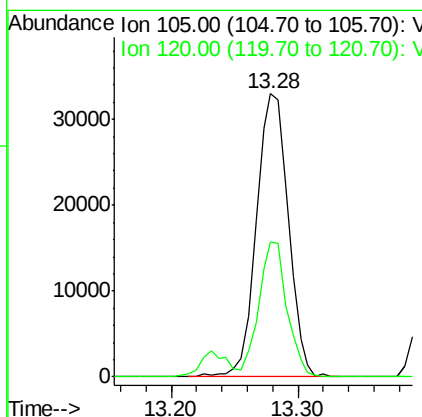
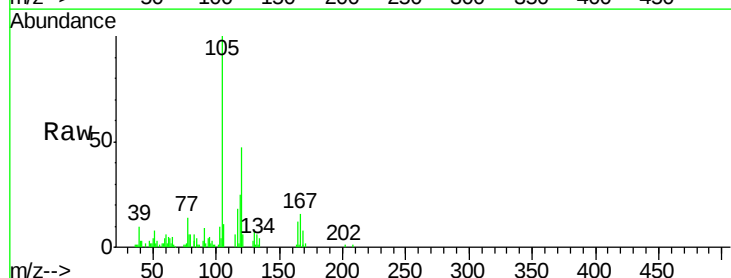
Manual Integrations
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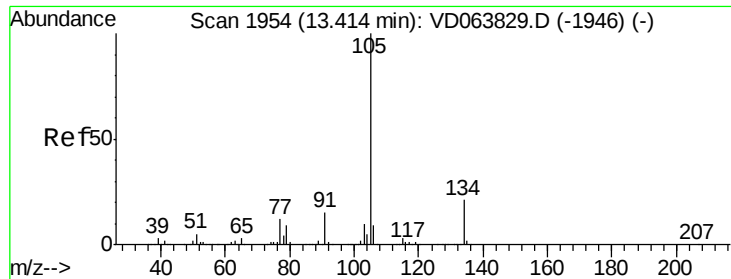
MMDadoda
 10/1/2019 9:25:59 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 5.336 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
105	100		
120	42.1	23.0	69.0





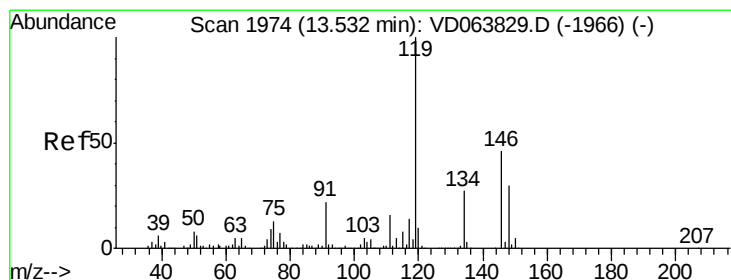
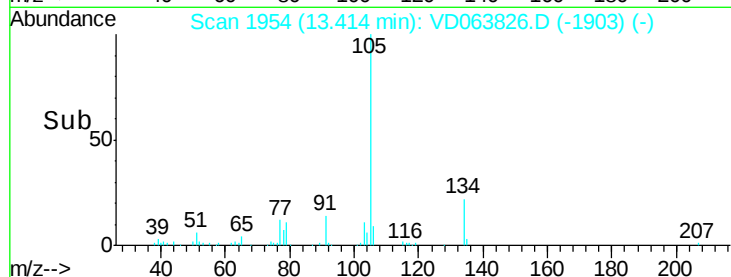
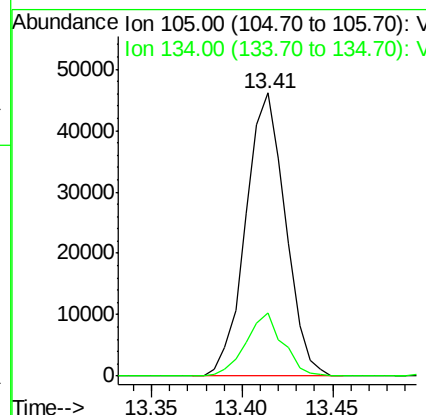
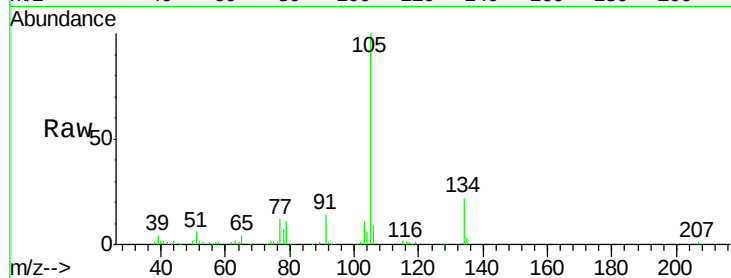
#85
 sec-Butylbenzene
 Concen: 5.413 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.7	31.9

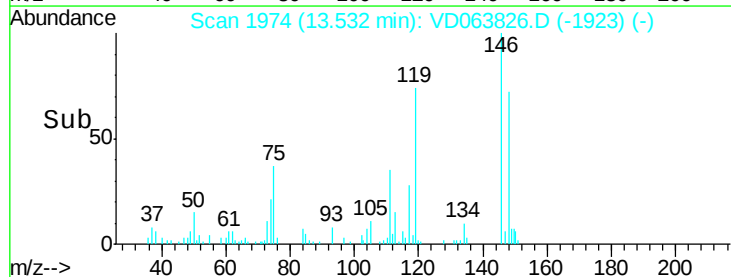
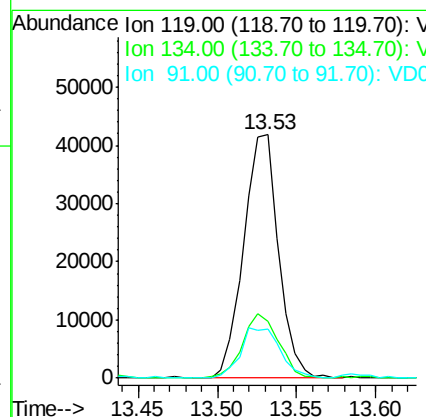
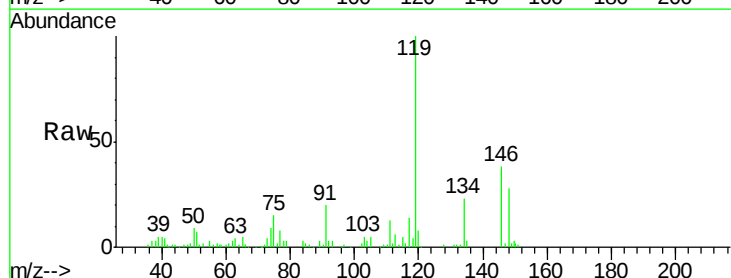
Manual Integrations
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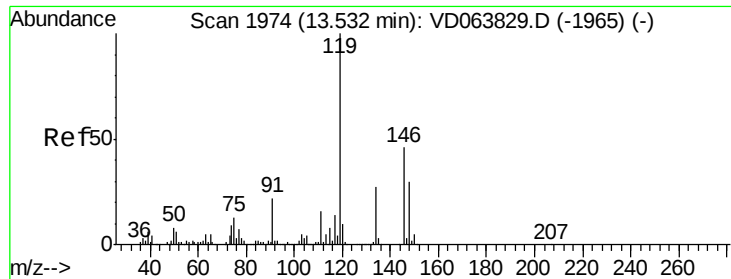
MMDadoda
 10/1/2019 9:25:59 AM



#86
 p-Isopropyltoluene
 Concen: 5.251 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.2	39.6
91	23.4	11.4	34.1





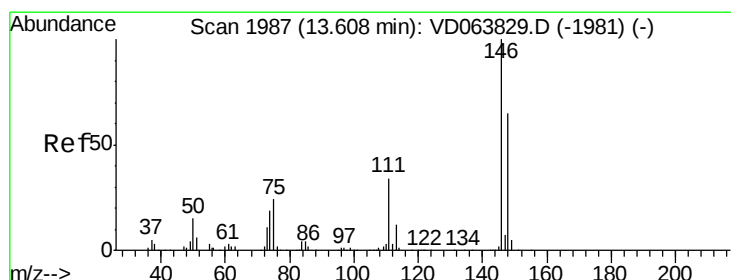
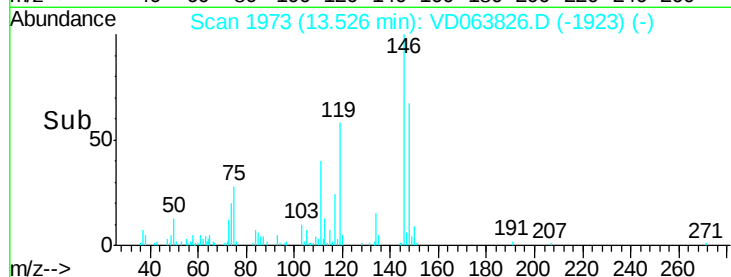
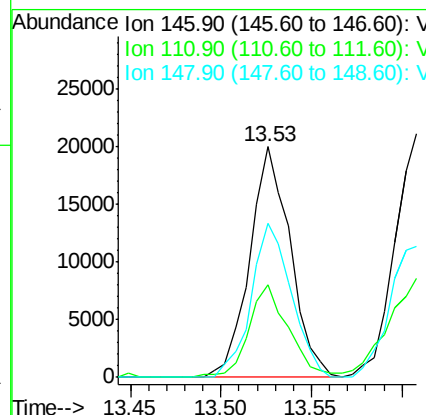
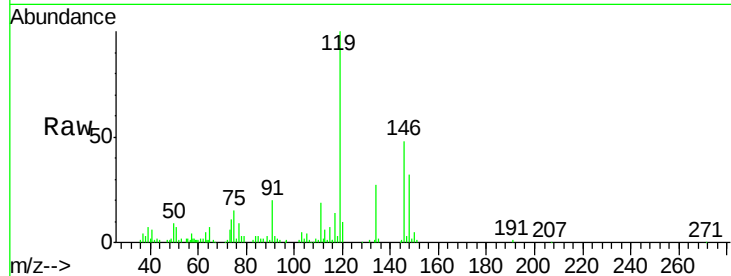
#87
 1,3-Dichlorobenzene
 Concen: 5.129 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	18.3	54.8
148	66.0	31.8	95.4

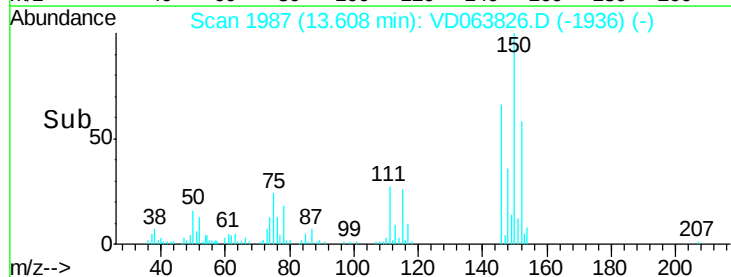
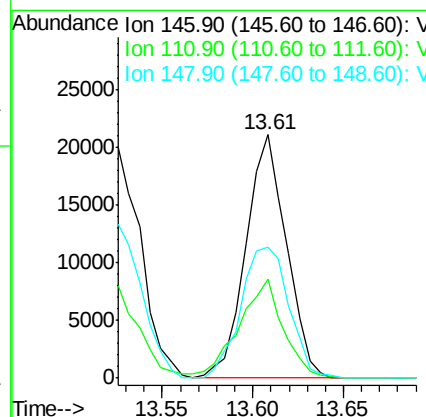
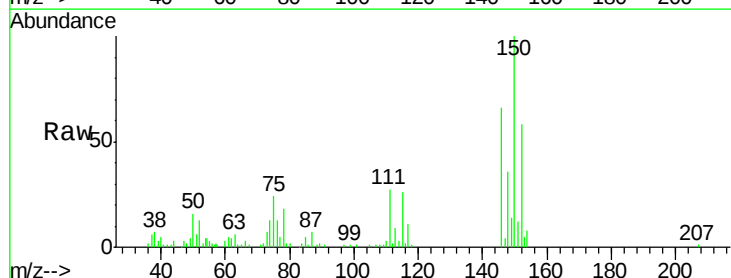
Manual Integrations
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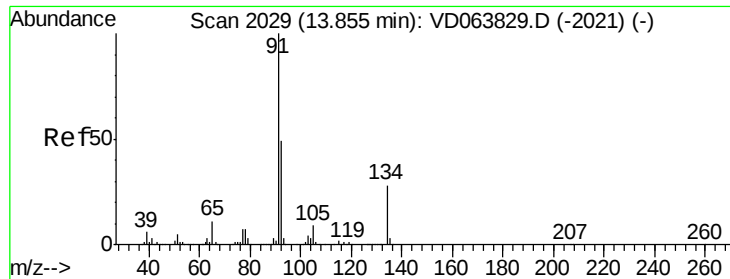
MMDadoda
 10/1/2019 9:25:59 AM



#88
 1,4-Dichlorobenzene
 Concen: 5.442 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.9	18.5	55.5
148	64.2	33.0	99.0





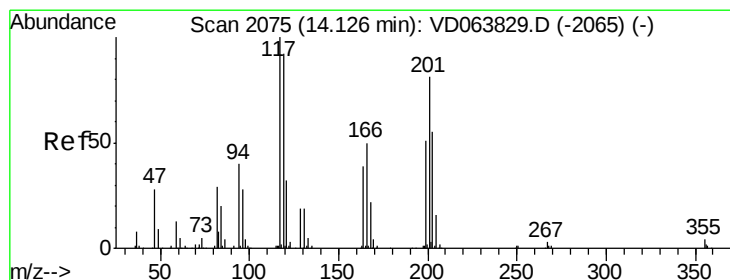
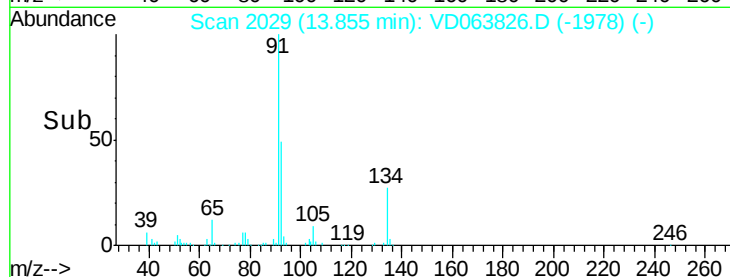
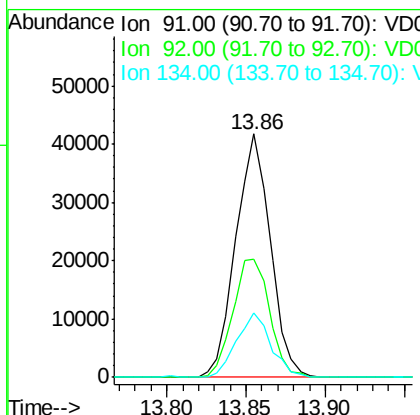
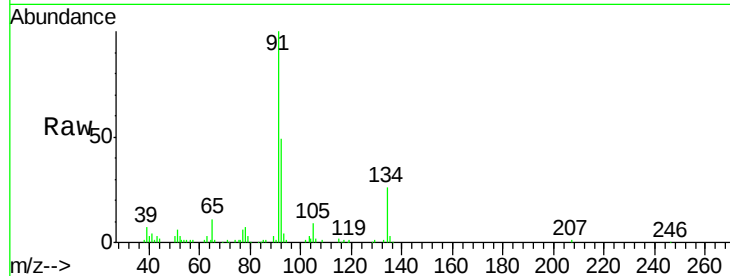
#89
n-Butylbenzene
Concen: 5.441 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.6	26.1	78.2
134	26.3	14.0	41.9

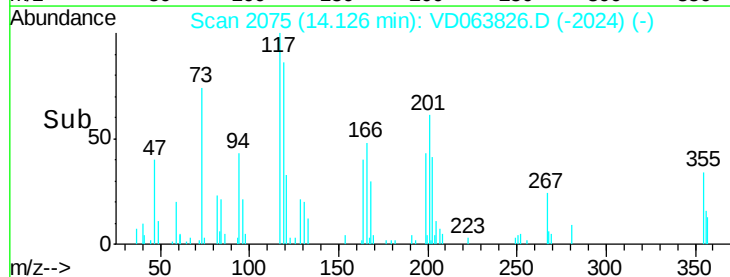
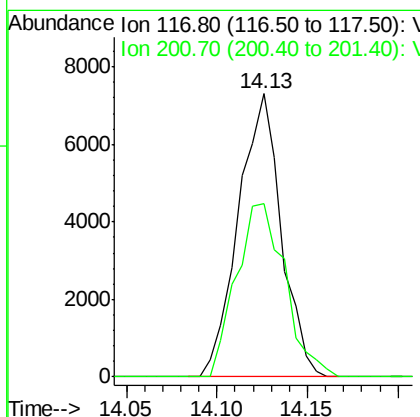
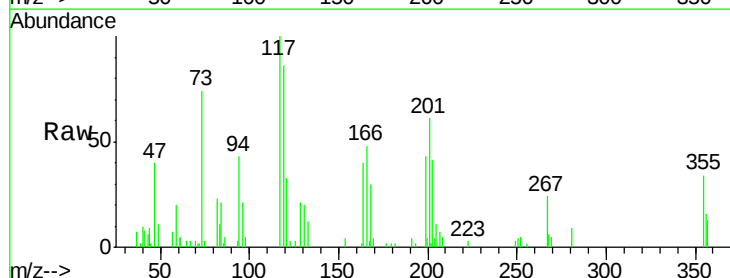
Manual Integrations
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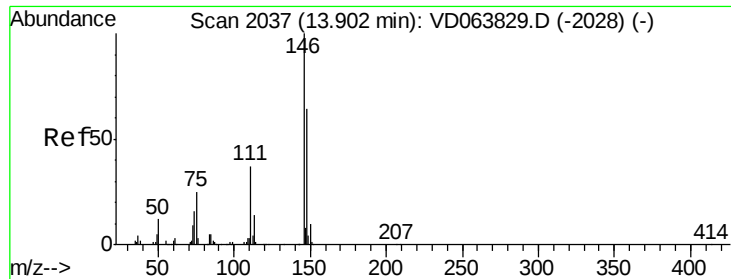
MMDadoda
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#90
Hexachloroethane
Concen: 5.313 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. -0.00 min
Lab File: VD063826.D
Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
117	100		
201	69.8	39.3	117.8





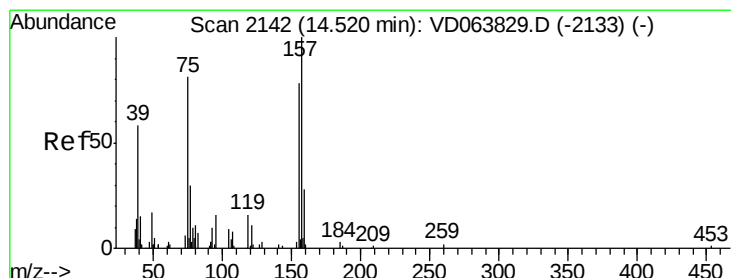
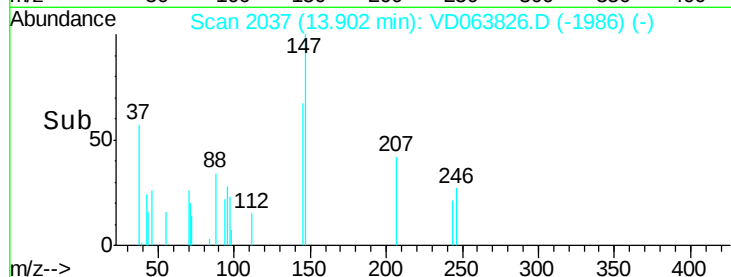
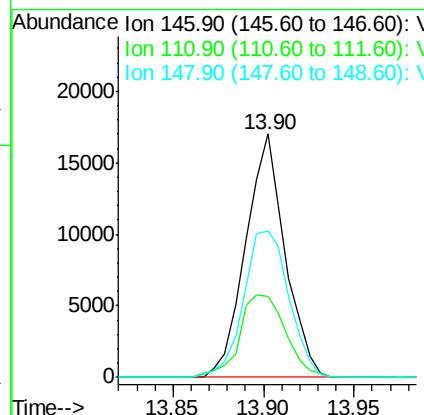
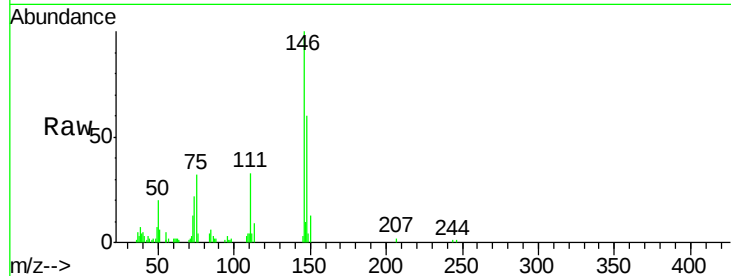
#91
 1,2-Dichlorobenzene
 Concen: 4.950 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	18.9	56.7
148	69.1	32.2	96.6

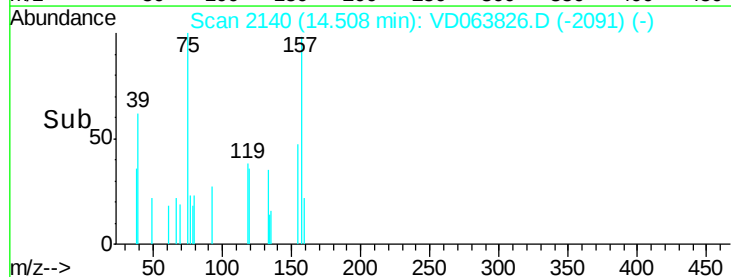
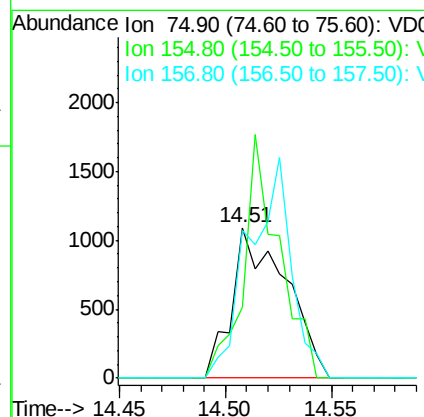
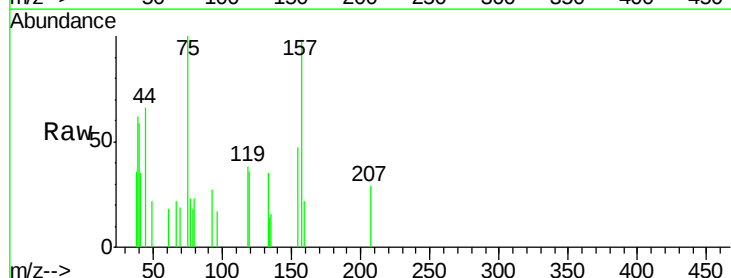
Manual Integrations
 APPROVED

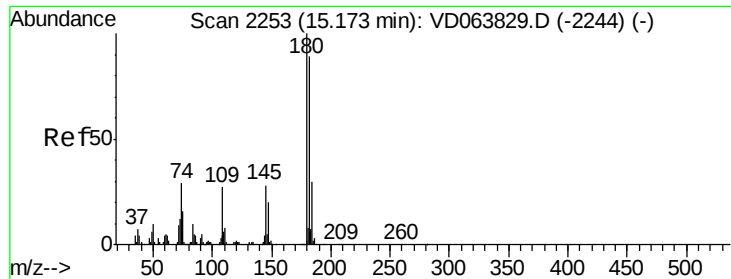
MMDadoda
 10/1/2019 9:25:59 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.365 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.4	48.0	144.0
157	115.9	63.2	189.8





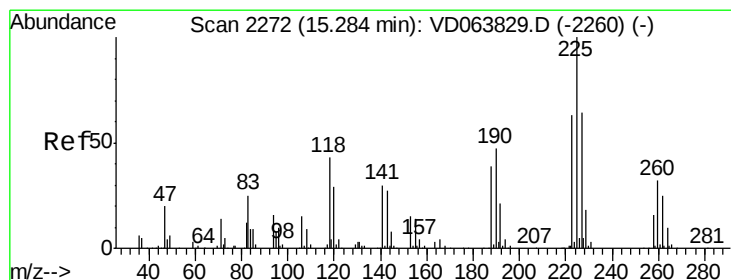
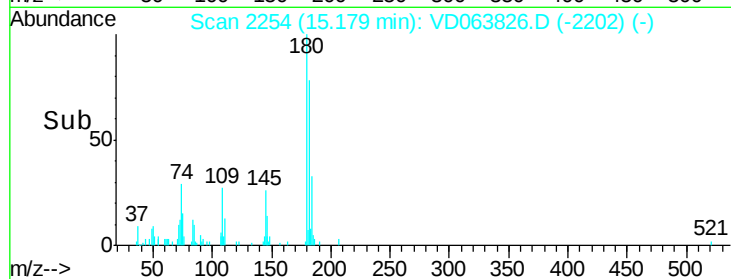
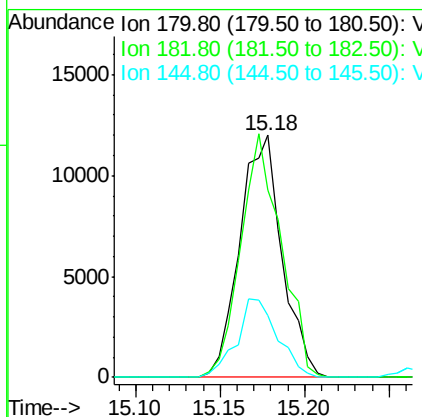
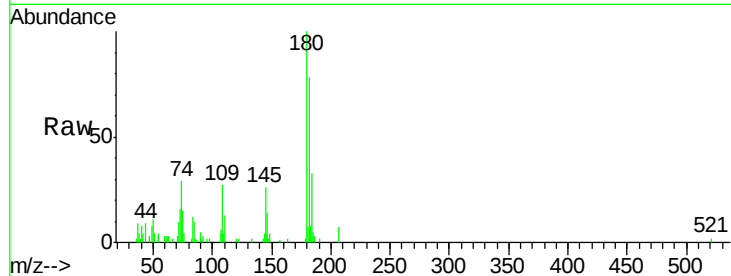
#93
 1,2,4-Trichlorobenzene
 Concen: 5.293 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.5	139.5
145	31.6	14.4	43.4

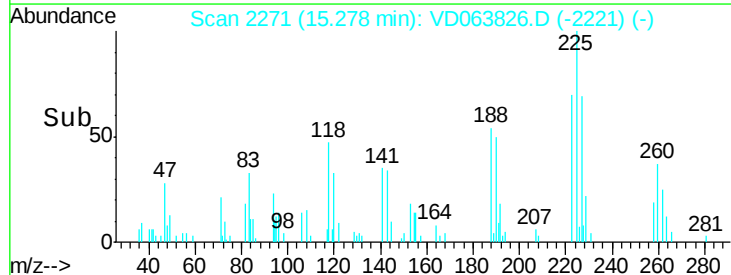
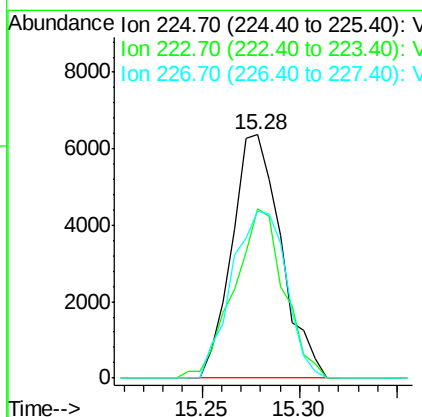
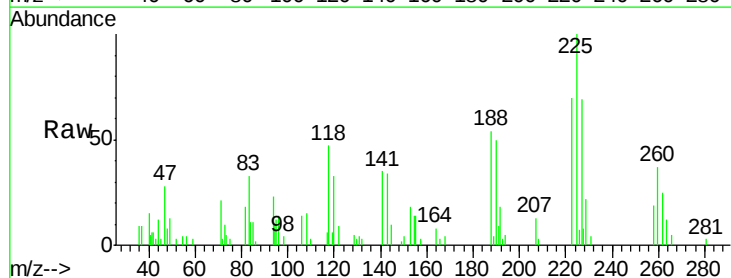
Manual Integrations
 APPROVED

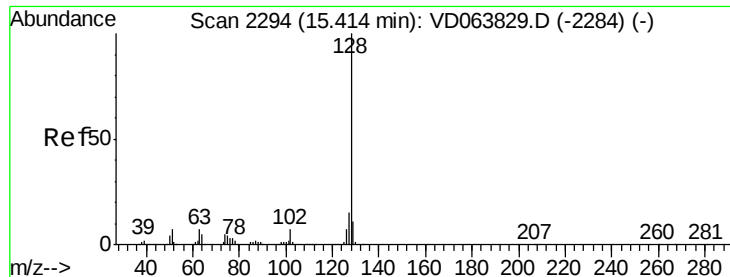
MMDadoda
 10/1/2019 9:25:59 AM



#94
 Hexachlorobutadiene
 Concen: 4.961 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.01 min
 Lab File: VD063826.D
 Acq: 25 Sep 2019 16:58

Tgt Ion	Ratio	Lower	Upper
225	100		
223	71.3	32.8	98.3
227	75.9	32.8	98.3





#95

Naphthalene

Concen: 5.256 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Instrument :

MSVOA_D

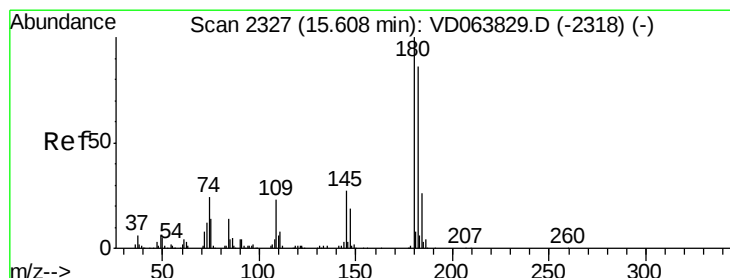
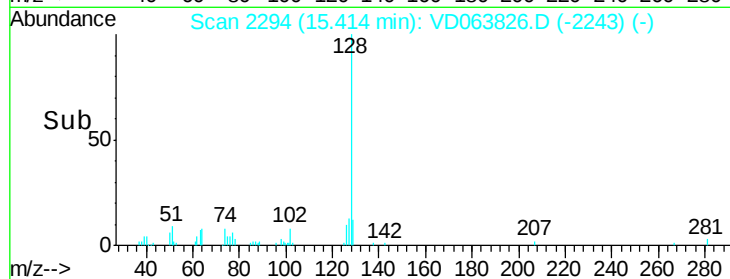
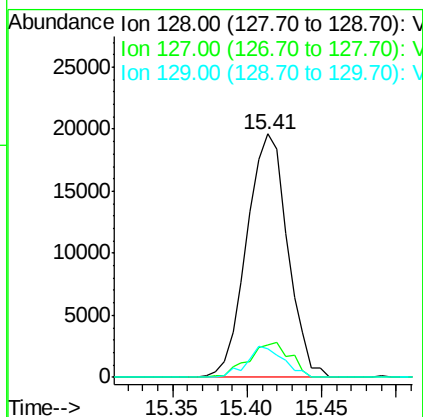
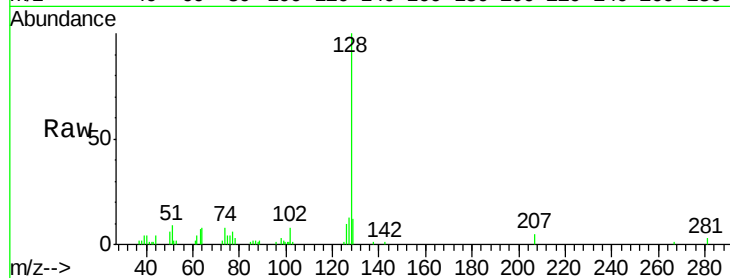
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	37185
Ion Ratio	Lower	Upper	
128	100		
127	14.6	10.8	16.2
129	11.4	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/1/2019 9:25:59 AM



#96

1,2,3-Trichlorobenzene

Concen: 5.388 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD063826.D

Acq: 25 Sep 2019 16:58

Tgt Ion:	180	Resp:	18821
Ion Ratio	Lower	Upper	
180	100		
182	89.0	46.6	139.7
145	34.0	14.5	43.5

