

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092519\
 Data File : VD063829.D
 Acq On : 25 Sep 2019 18:20
 Operator : VA/SY
 Sample : VSTDICCC050
 Misc : 5.00g/5.00mL/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Manual Integrations
 APPROVED

MMDadoda
 10/1/2019 9:26:10 AM

Quant Time: Sep 26 12:04:45 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	252223	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.88	114	387293	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	371295	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.59	152	201184	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.36	65	117187	49.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.68%	
35) Dibromofluoromethane	7.94	113	123177	50.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.20%	
50) Toluene-d8	10.36	98	483427	52.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.48%	
62) 4-Bromofluorobenzene	12.64	95	167149	50.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.66%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.00	85	70166	40.563	ug/l	100
3) Chloromethane	2.22	50	229016	43.689	ug/l	100
4) Vinyl Chloride	2.36	62	248482	46.447	ug/l	100
5) Bromomethane	2.78	94	149529	47.772	ug/l	100
6) Chloroethane	2.94	64	162711	44.163	ug/l	100
7) Trichlorofluoromethane	3.29	101	337951	46.986	ug/l	100
8) Diethyl Ether	3.73	74	50484	43.046	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	99748	46.750	ug/l	100
10) Methyl Iodide	4.31	142	131538	51.637	ug/l	100
11) Tert butyl alcohol	5.28	59	38549m	209.502	ug/l	
12) 1,1-Dichloroethene	4.09	96	98787	45.867	ug/l	100
13) Acrolein	3.95	56	54792	244.586	ug/l	100
14) Allyl chloride	4.74	41	157160	46.163	ug/l	100
15) Acrylonitrile	5.46	53	121930	235.337	ug/l	100
16) Acetone	4.19	43	123823	232.267	ug/l	100
17) Carbon Disulfide	4.43	76	347080	47.671	ug/l	100
18) Methyl Acetate	4.74	43	57059	43.471	ug/l	100
19) Methyl tert-butyl Ether	5.51	73	255980	47.472	ug/l	100
20) Methylene Chloride	4.98	84	130020	40.536	ug/l	100
21) trans-1,2-Dichloroethene	5.49	96	118621	47.316	ug/l	100
22) Diisopropyl ether	6.39	45	341548	48.575	ug/l	100
23) Vinyl Acetate	6.34	43	997299	239.801	ug/l	100
24) 1,1-Dichloroethane	6.29	63	206510	48.343	ug/l	100
25) 2-Butanone	7.24	43	160829	230.764	ug/l	100
26) 2,2-Dichloropropane	7.24	77	192267	48.127	ug/l	100
27) cis-1,2-Dichloroethene	7.24	96	139394	49.553	ug/l	100
28) Bromochloromethane	7.57	49	89585	53.444	ug/l	100
29) Tetrahydrofuran	7.60	42	98384	235.593	ug/l	100
30) Chloroform	7.73	83	222798	48.018	ug/l	100
31) Cyclohexane	8.00	56	197860	46.400	ug/l	100
32) 1,1,1-Trichloroethane	7.93	97	197221	47.008	ug/l	100
36) 1,1-Dichloropropene	8.13	75	175486	49.675	ug/l	100
37) Ethyl Acetate	7.33	43	67285	45.604	ug/l	100
38) Carbon Tetrachloride	8.12	117	185983	50.581	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.37	83	222285	50.533	ug/l	100
40) Benzene	8.37	78	491640	50.533	ug/l	100
41) Methacrylonitrile	7.56	41	40148	46.075	ug/l	100
42) 1,2-Dichloroethane	8.45	62	141813	49.847	ug/l	100
43) Isopropyl Acetate	8.48	43	141415	47.811	ug/l	100
44) Trichloroethene	9.13	130	141960	50.385	ug/l	100
45) 1,2-Dichloropropane	9.41	63	118894	49.471	ug/l	100
46) Dibromomethane	9.49	93	68428	50.446	ug/l	100
47) Bromodichloromethane	9.68	83	176738	50.543	ug/l	100
48) Methyl methacrylate	9.47	41	64148	47.684	ug/l	100
49) 1,4-Dioxane	9.48	88	17554	927.642	ug/l	100
51) 4-Methyl-2-Pentanone	10.24	43	355296	238.443	ug/l	100
52) Toluene	10.42	92	334553	50.715	ug/l	100
53) t-1,3-Dichloropropene	10.64	75	177552	51.226	ug/l	100
54) cis-1,3-Dichloropropene	10.11	75	201306	51.165	ug/l	100
55) 1,1,2-Trichloroethane	10.81	97	97551	50.895	ug/l	100
56) Ethyl methacrylate	10.68	69	122045	50.098	ug/l	100
57) 1,3-Dichloropropane	10.96	76	161219	49.503	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.96	63	266126	244.414	ug/l	100
59) 2-Hexanone	11.00	43	252021	237.047	ug/l	100
60) Dibromochloromethane	11.16	129	127919	50.572	ug/l	100
61) 1,2-Dibromoethane	11.26	107	96771	50.504	ug/l	100
64) Tetrachloroethene	10.89	164	126363	50.524	ug/l	100
65) Chlorobenzene	11.68	112	379911	50.866	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.76	131	139102	50.677	ug/l	100
67) Ethyl Benzene	11.76	91	691189	51.233	ug/l	100
68) m/p-Xylenes	11.87	106	528184	101.951	ug/l	100
69) o-Xylene	12.20	106	252522	51.641	ug/l	100
70) Styrene	12.21	104	434876	52.548	ug/l	100
71) Bromoform	12.37	173	81024	53.137	ug/l #	100
73) Isopropylbenzene	12.49	105	684651	49.823	ug/l	100
74) N-amyl acetate	12.30	43	141336	46.985	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.74	83	112610	49.165	ug/l	100
76) 1,2,3-Trichloropropane	12.80	75	69915m	54.796	ug/l	
77) Bromobenzene	12.77	156	165900	50.235	ug/l	100
78) n-propylbenzene	12.83	91	802251	49.623	ug/l	100
79) 2-Chlorotoluene	12.92	91	442240	50.716	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	579338	50.574	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	36678	48.018	ug/l	100
82) 4-Chlorotoluene	13.02	91	461310	49.592	ug/l	100
83) tert-Butylbenzene	13.24	119	499453	49.899	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	589448	50.685	ug/l	100
85) sec-Butylbenzene	13.41	105	695977	49.970	ug/l	100
86) p-Isopropyltoluene	13.53	119	668477	51.104	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	329720	50.851	ug/l	100
88) 1,4-Dichlorobenzene	13.61	146	316398	49.064	ug/l	100
89) n-Butylbenzene	13.86	91	627689	50.419	ug/l	100
90) Hexachloroethane	14.13	117	123311	50.895	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	281776	50.662	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	17353	44.902	ug/l	100

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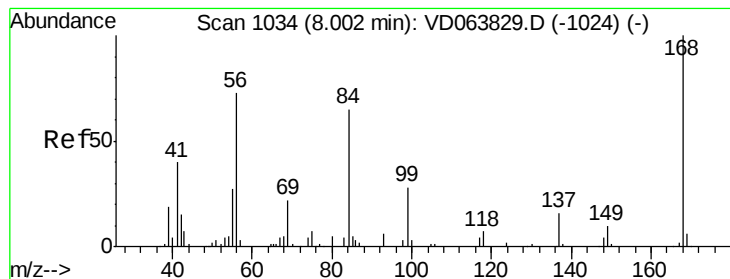
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	217884	51.586	ug/l	100
94) Hexachlorobutadiene	15.28	225	122636	51.245	ug/l	100
95) Naphthalene	15.41	128	377696	49.796	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	190323	50.825	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:168 Resp: 252223

Ion Ratio Lower Upper

168 100

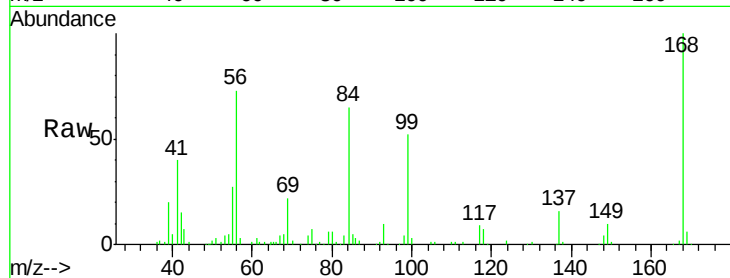
99 51.5 41.2 61.8

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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

120000

100000

80000

60000

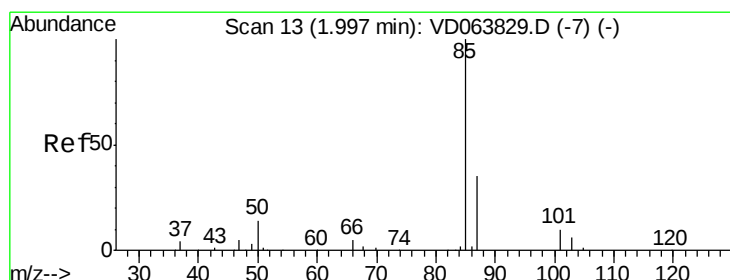
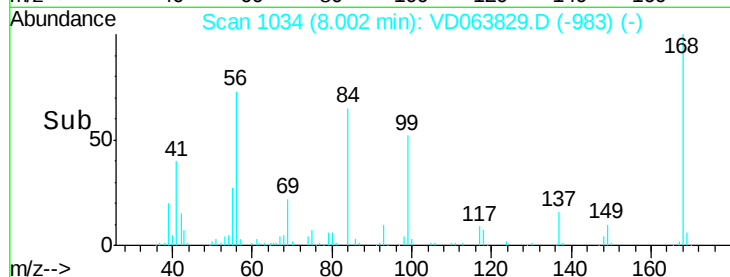
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.563 ug/l

RT: 2.00 min Scan# 13

Delta R.T. 0.00 min

Lab File: VD063829.D

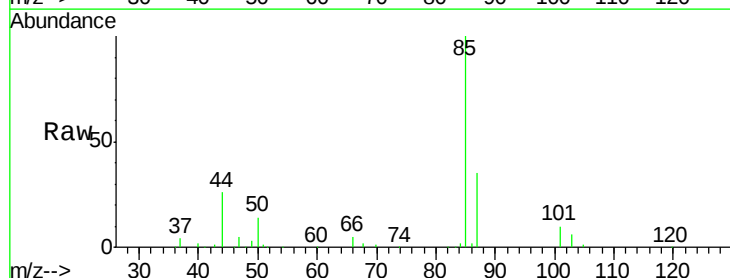
Acq: 25 Sep 2019 18:20

Tgt Ion: 85 Resp: 70166

Ion Ratio Lower Upper

85 100

87 34.5 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

60000

50000

40000

30000

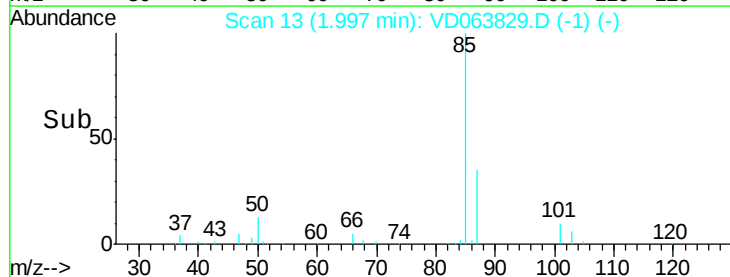
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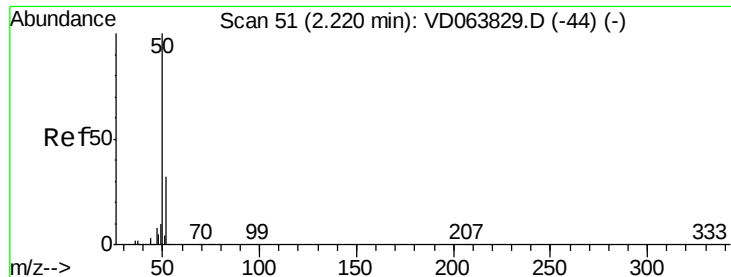
10000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.689 ug/l

RT: 2.22 min Scan# 51

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 50 Resp: 229016

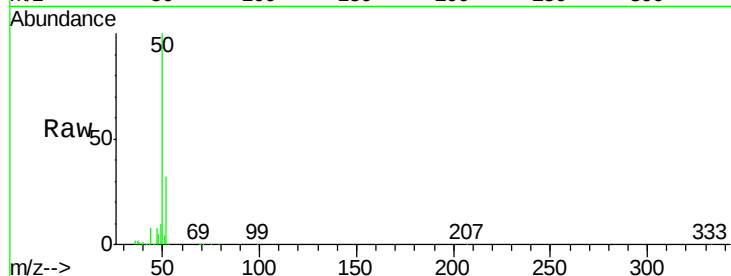
Ion Ratio Lower Upper

50 100

52 32.0 25.6 38.4

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.22

200000

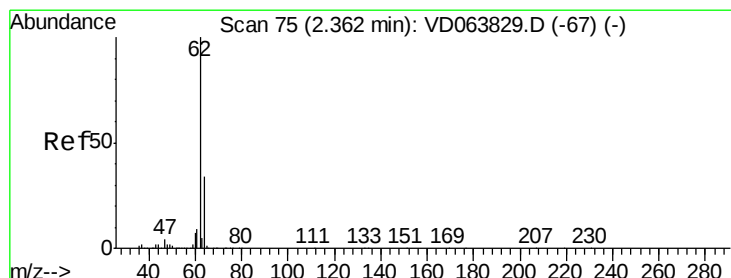
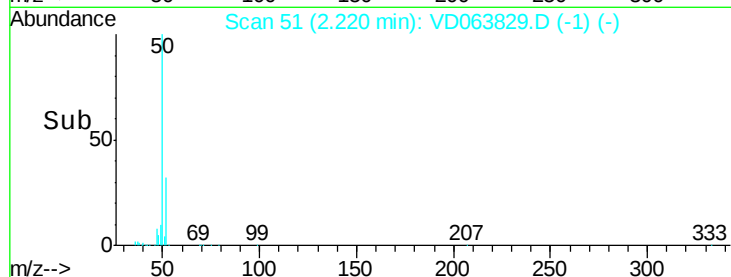
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.447 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VD063829.D

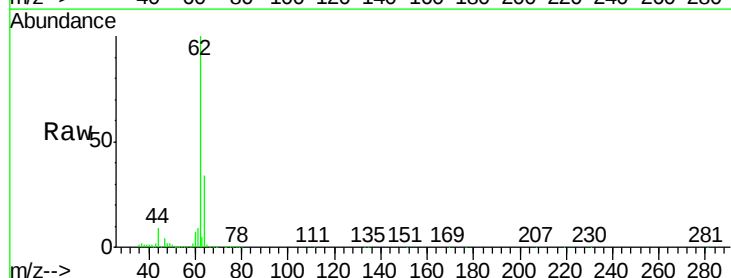
Acq: 25 Sep 2019 18:20

Tgt Ion: 62 Resp: 248482

Ion Ratio Lower Upper

62 100

64 33.9 27.1 40.7



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

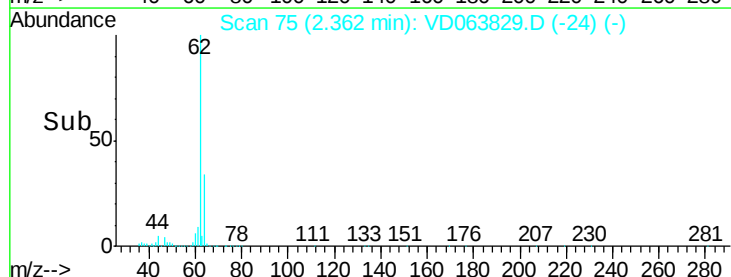
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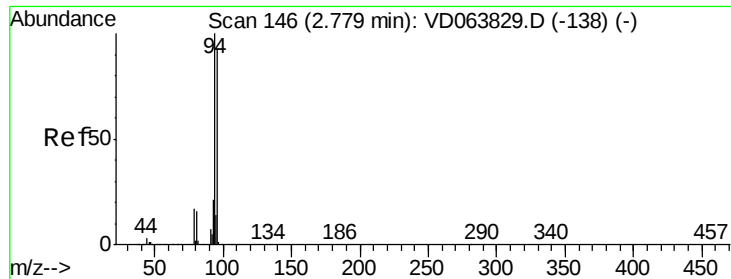
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.772 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 94 Resp: 149529

Ion Ratio Lower Upper

94 100

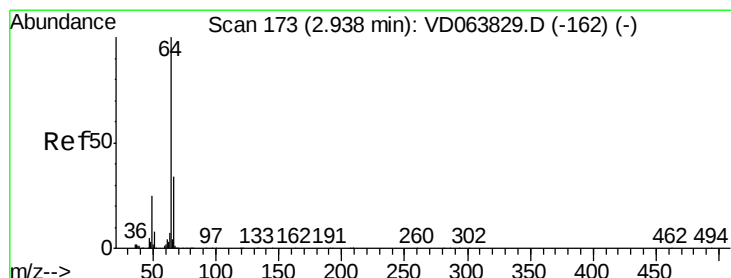
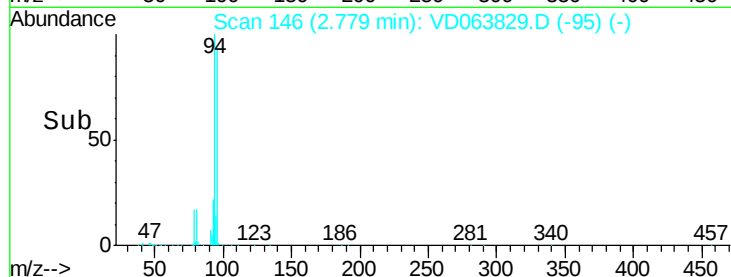
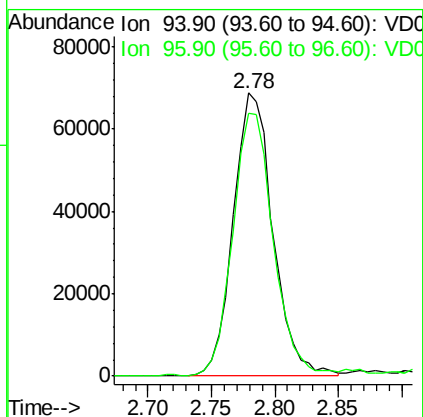
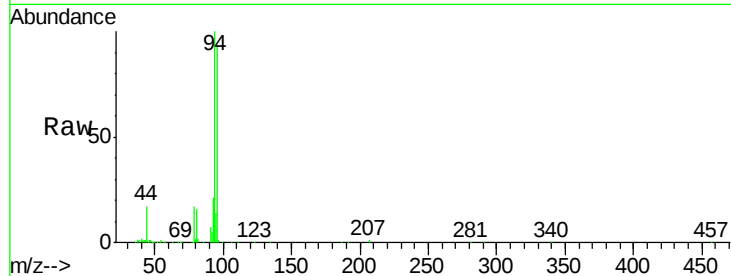
96 92.7 74.2 111.2

Manual Integrations

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#6

Chloroethane

Concen: 44.163 ug/l

RT: 2.94 min Scan# 173

Delta R.T. 0.00 min

Lab File: VD063829.D

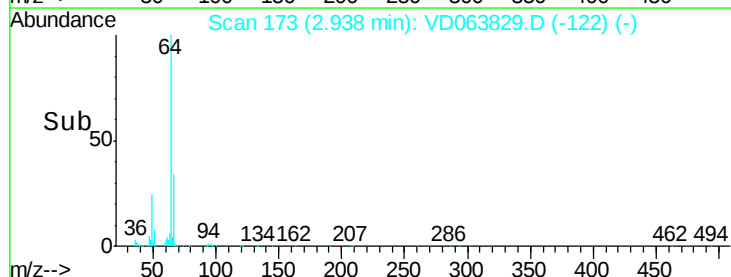
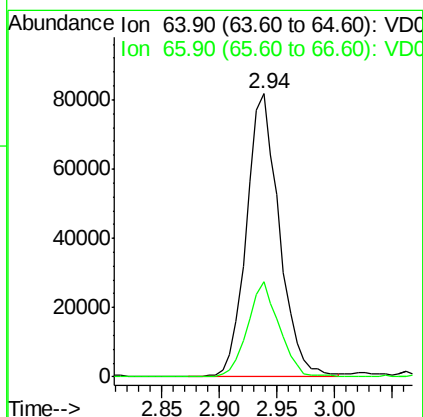
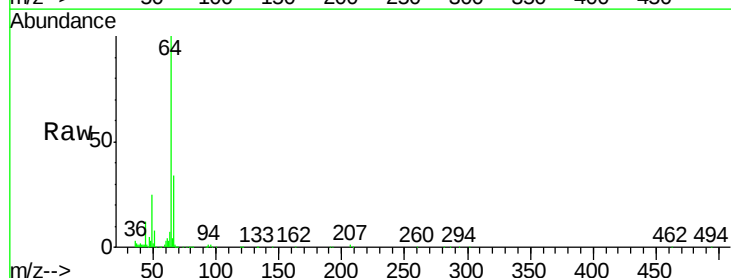
Acq: 25 Sep 2019 18:20

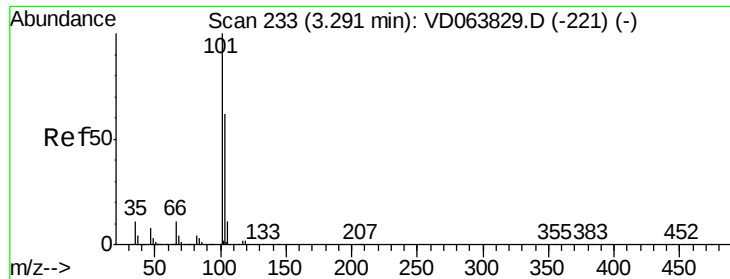
Tgt Ion: 64 Resp: 162711

Ion Ratio Lower Upper

64 100

66 33.6 26.9 40.3





#7

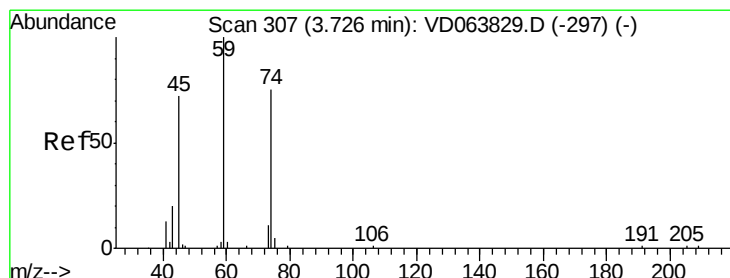
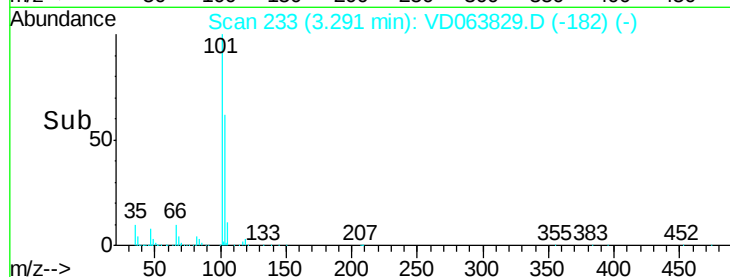
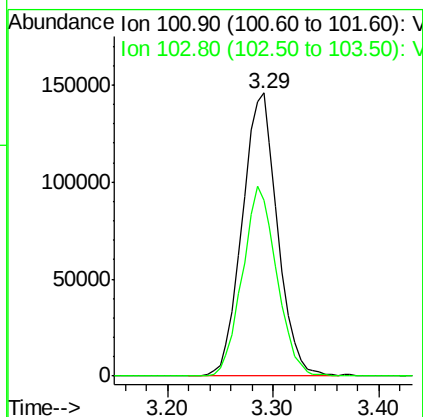
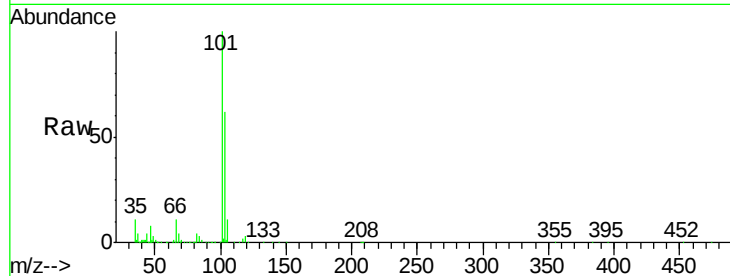
Trichlorofluoromethane
Concen: 46.986 ug/l
RT: 3.29 min Scan# 233
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

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ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	49.8	74.8

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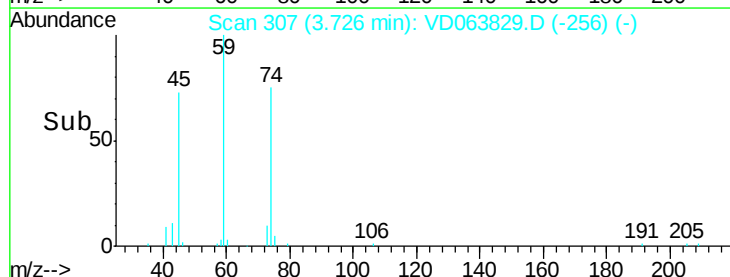
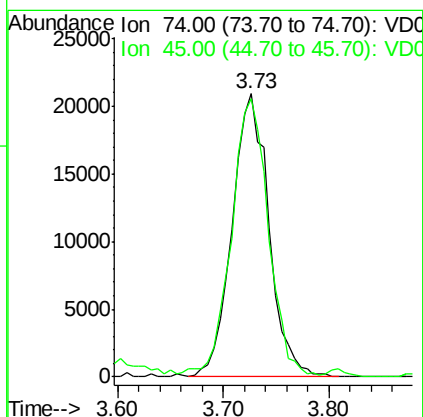
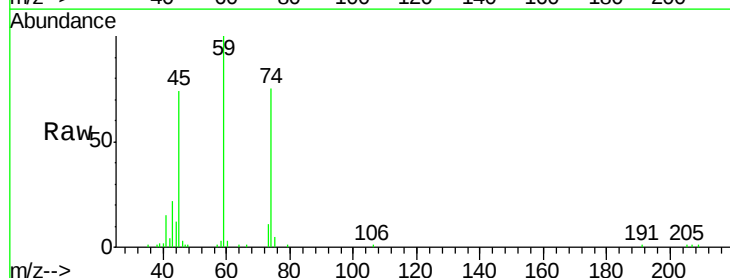
MMDadoda
10/1/2019 9:26:10 AM

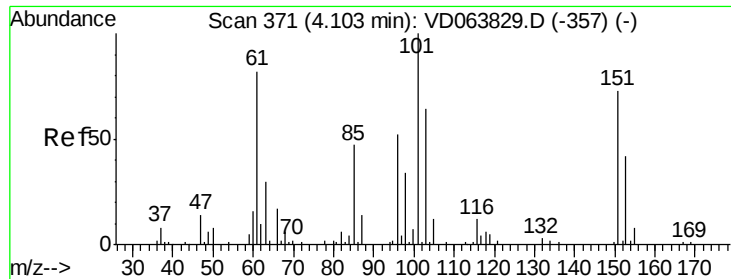


#8

Diethyl Ether
Concen: 43.046 ug/l
RT: 3.73 min Scan# 307
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	48.9	146.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.750 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

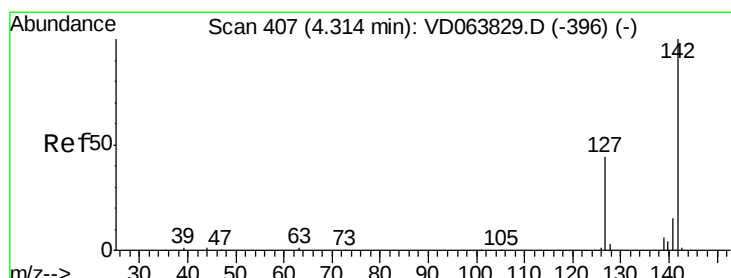
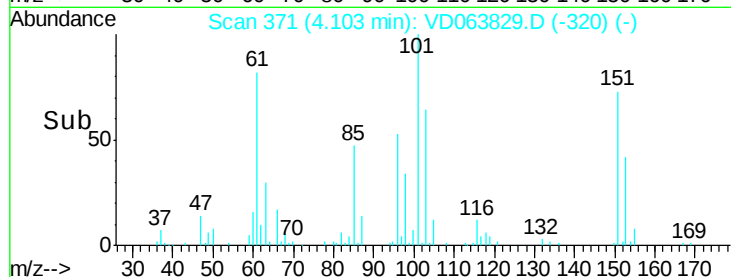
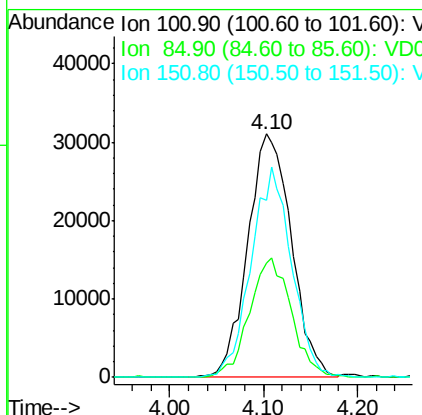
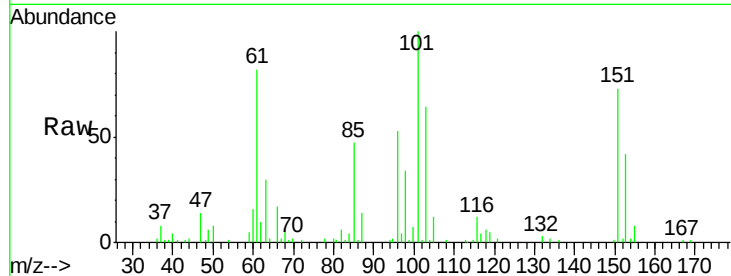
ClientSampleId :

VSTDICCC050

Tot Ion:	101	Resp:	99748
Ion Ratio	Lower	Upper	
101	100		
85	47.2	37.8	56.6
151	80.2	64.2	96.2

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#10

Methyl Iodide

Concen: 51.637 ug/l

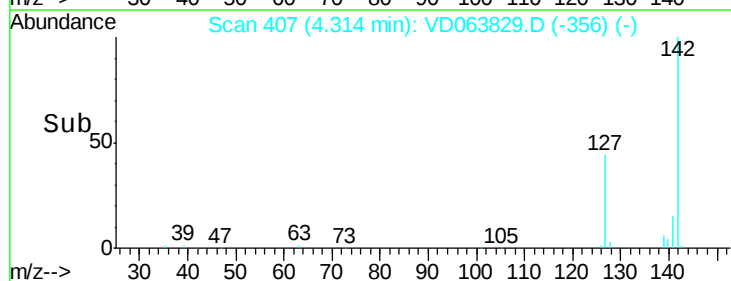
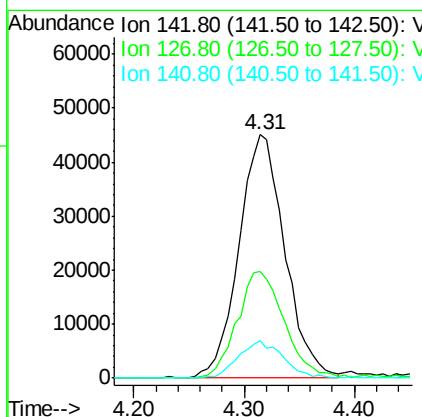
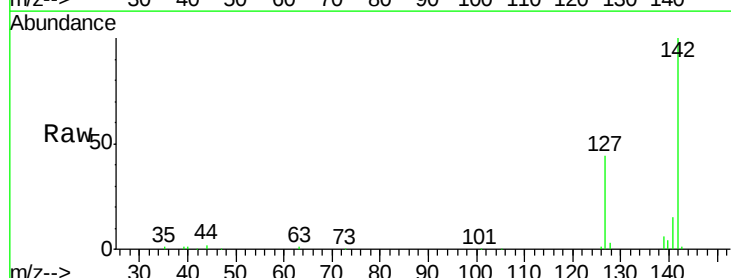
RT: 4.31 min Scan# 407

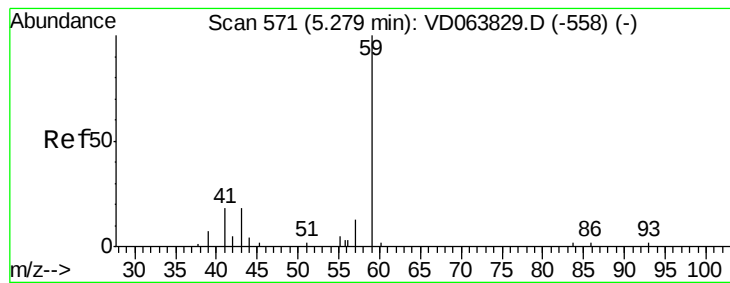
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	142	Resp:	131538
Ion Ratio	Lower	Upper	
142	100		
127	44.7	35.8	53.6
141	14.9	11.9	17.9





#11

Tert butyl alcohol

Concen: 209.502 ug/l m

RT: 5.28 min Scan# 571

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 59 Resp: 38549

Ion Ratio Lower Upper

59 100

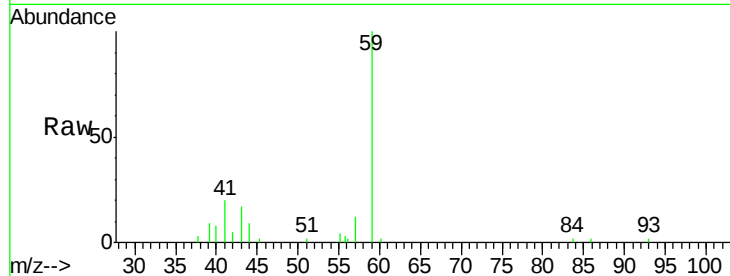
57 9.9 8.3 12.5

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

12000

10000

8000

6000

4000

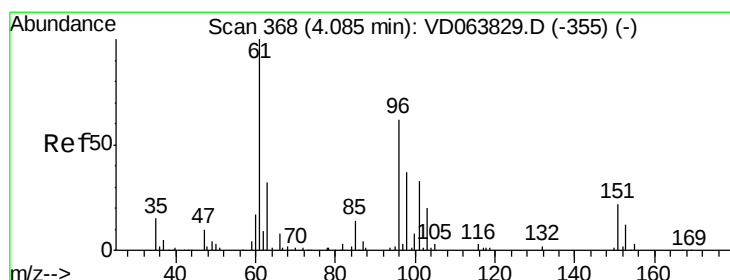
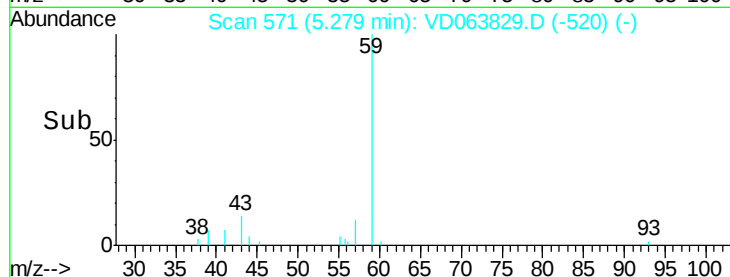
2000

0

5.20

5.30

Time-->



#12

1,1-Dichloroethene

Concen: 45.867 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

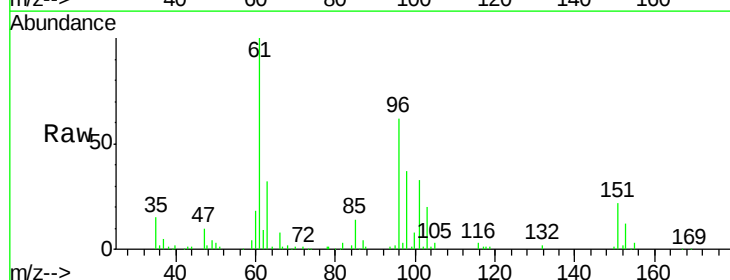
Tgt Ion: 96 Resp: 98787

Ion Ratio Lower Upper

96 100

61 161.2 129.0 193.4

98 59.7 47.8 71.6



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

80000

60000

40000

20000

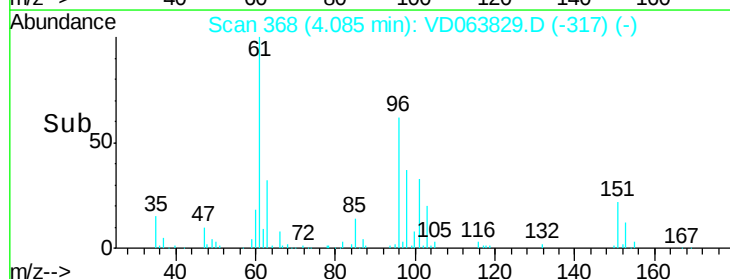
0

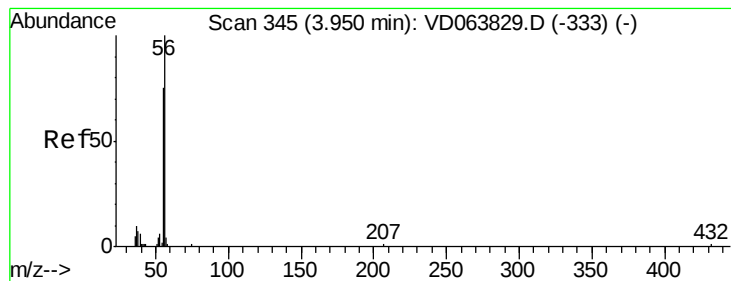
4.00

4.10

4.20

Time-->





#13

Acrolein

Concen: 244.586 ug/l

RT: 3.95 min Scan# 345

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 56 Resp: 54792

Ion Ratio Lower Upper

56 100

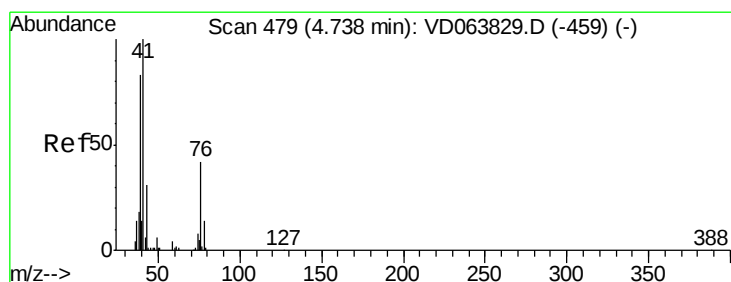
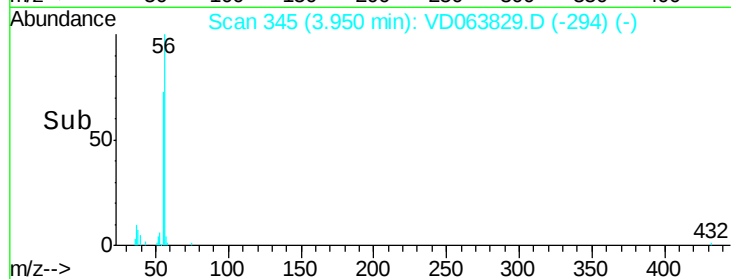
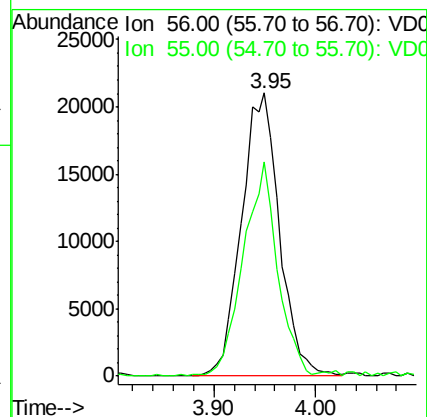
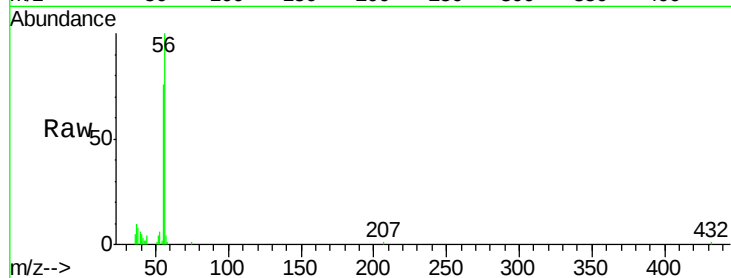
55 68.8 55.0 82.6

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#14

Allyl chloride

Concen: 46.163 ug/l

RT: 4.74 min Scan# 479

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

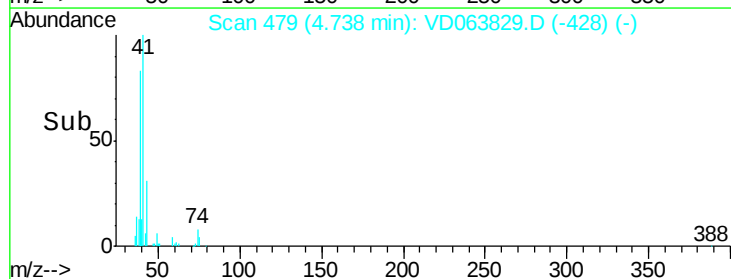
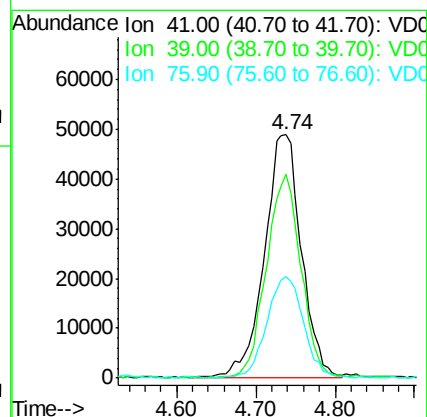
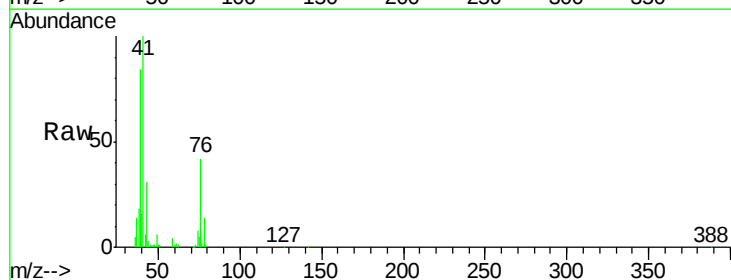
Tgt Ion: 41 Resp: 157160

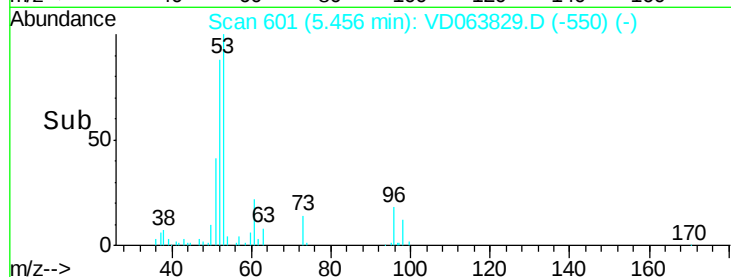
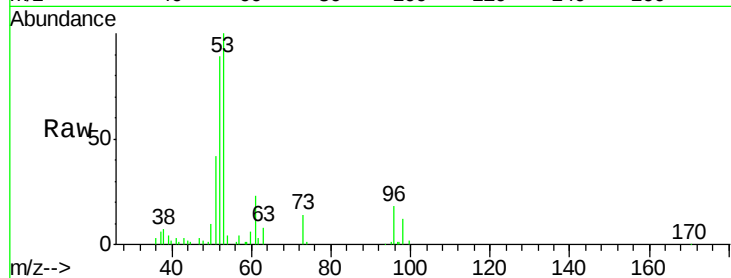
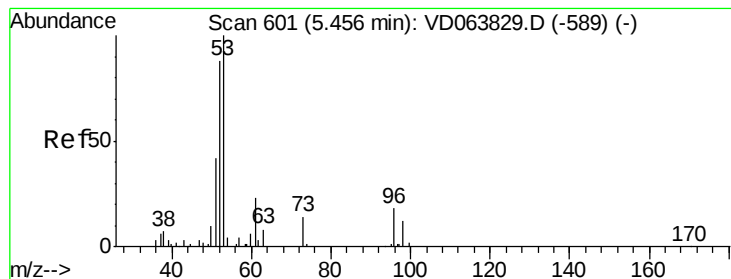
Ion Ratio Lower Upper

41 100

39 79.6 63.7 95.5

76 41.9 33.5 50.3





#15

Acrylonitrile

Concen: 235.337 ug/l

RT: 5.46 min Scan# 601

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tot Ion:	53	Resp:	121930
Ion	Ratio	Lower	Upper
53	100		
52	85.9	68.7	103.1
51	38.4	30.7	46.1

Instrument :

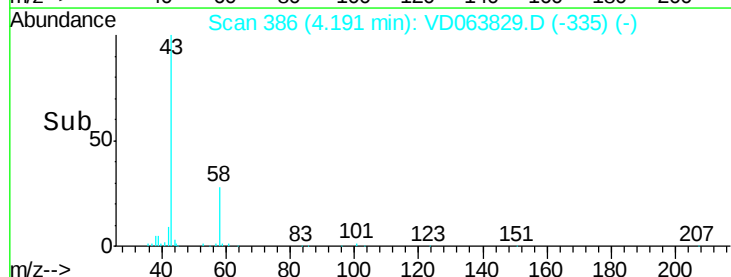
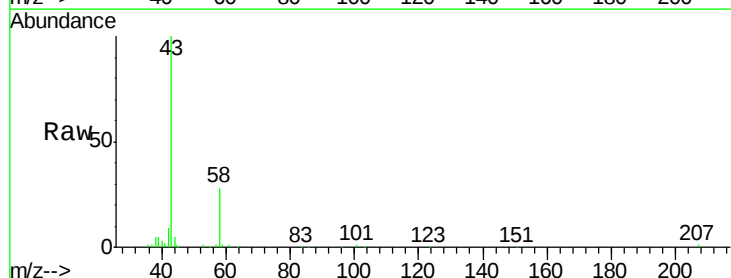
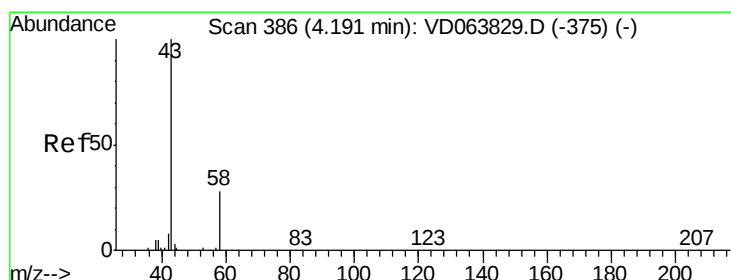
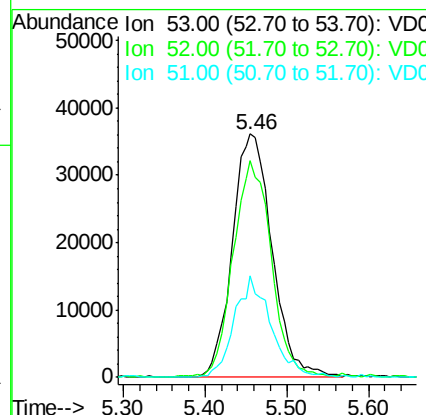
MSVOA_D

ClientSampleId :

VSTDICCC050

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#16

Acetone

Concen: 232.267 ug/l

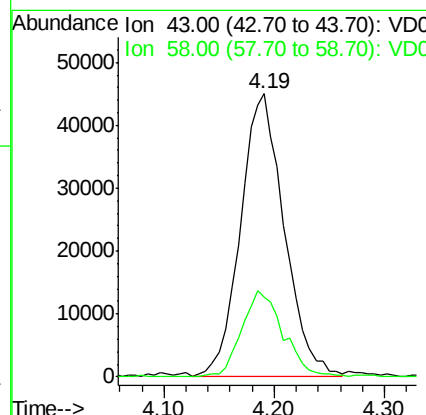
RT: 4.19 min Scan# 386

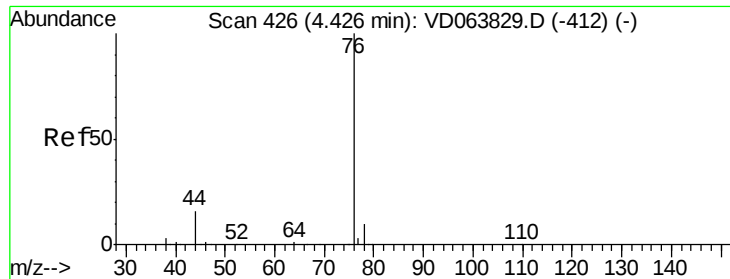
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	43	Resp:	123823
Ion	Ratio	Lower	Upper
43	100		
58	28.3	22.6	34.0





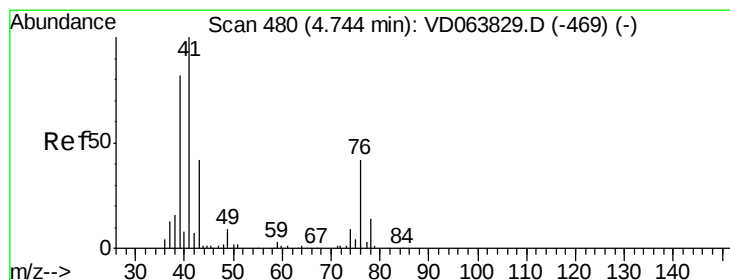
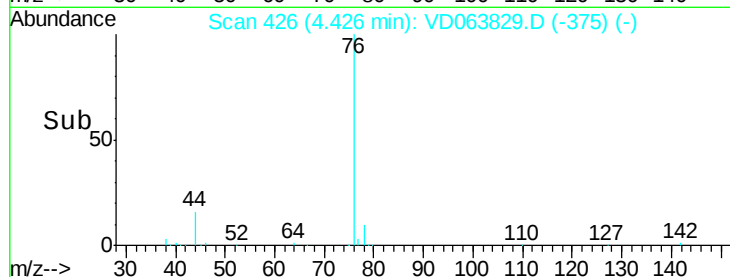
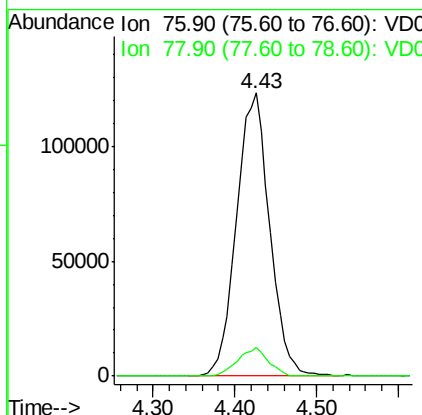
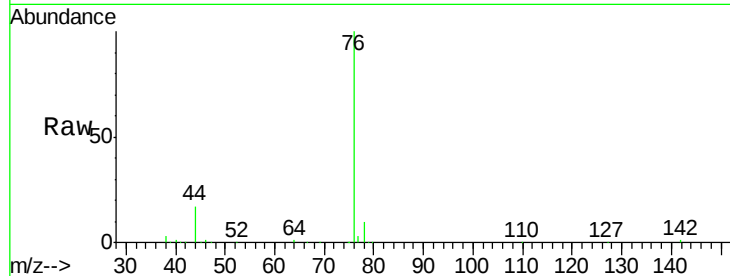
#17
Carbon Disulfide
Concen: 47.671 ug/l
RT: 4.43 min Scan# 426
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.9	7.9	11.9

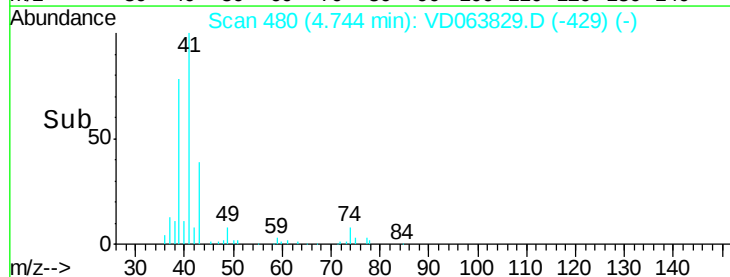
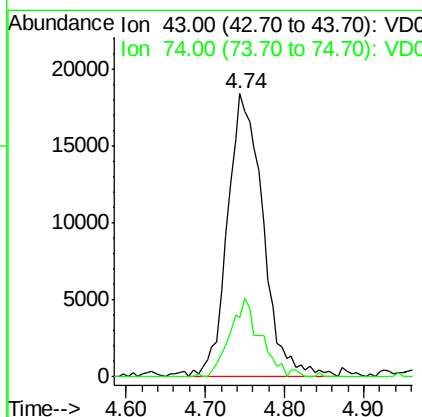
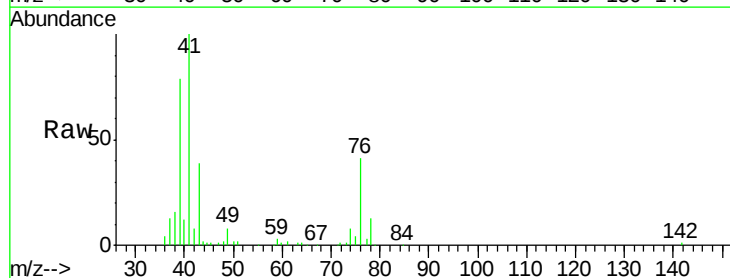
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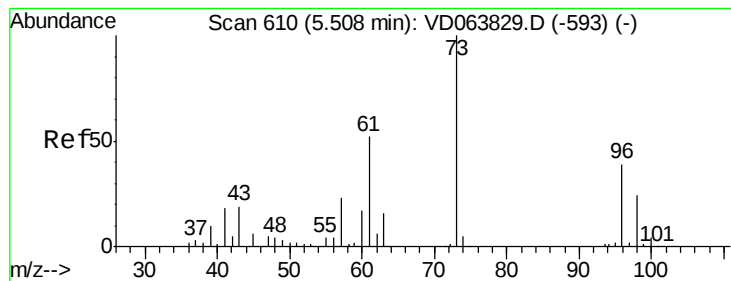
MMDadoda
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#18
Methyl Acetate
Concen: 43.471 ug/l
RT: 4.74 min Scan# 480
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.3	18.6	28.0





#19

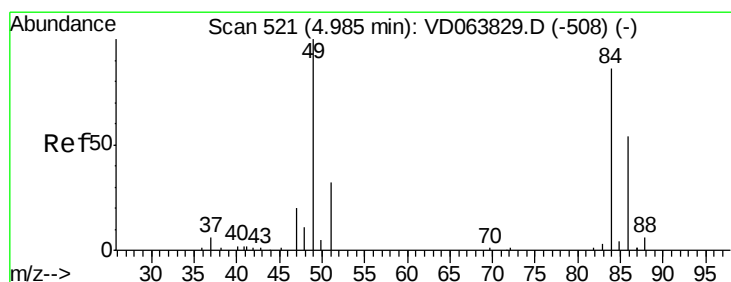
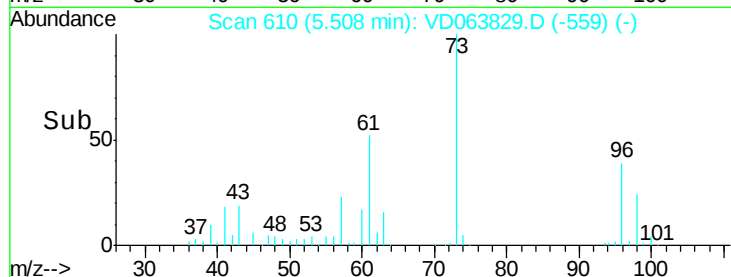
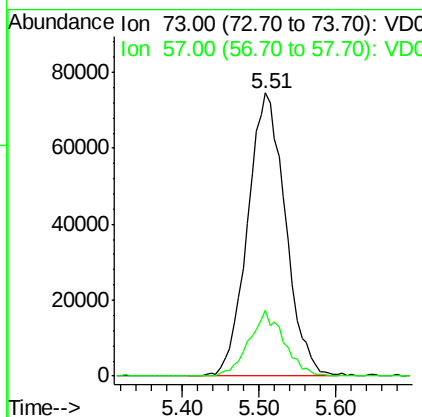
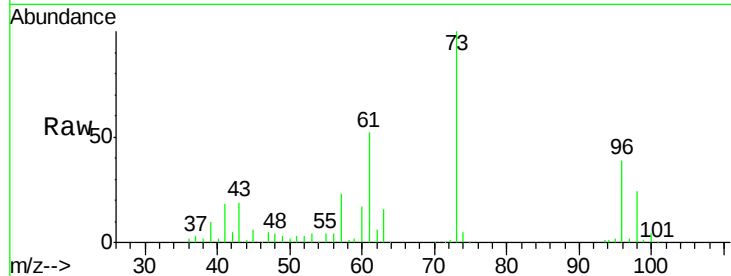
Methyl tert-butyl Ether
 Concen: 47.472 ug/l
 RT: 5.51 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 73 Resp: 255980
 Ion Ratio Lower Upper
 73 100
 57 23.4 18.7 28.1

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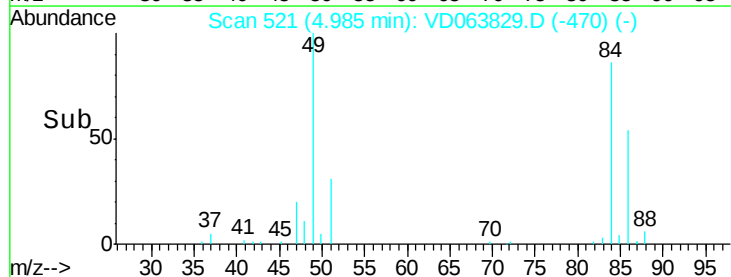
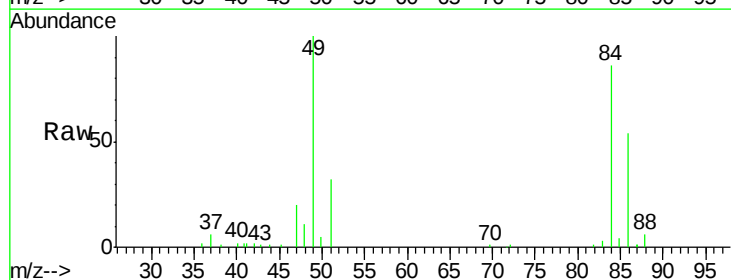
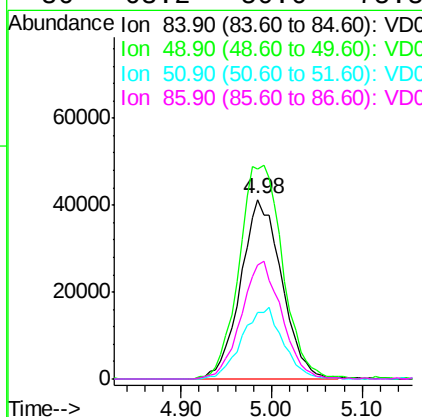
MMDadoda
 10/1/2019 9:26:10 AM

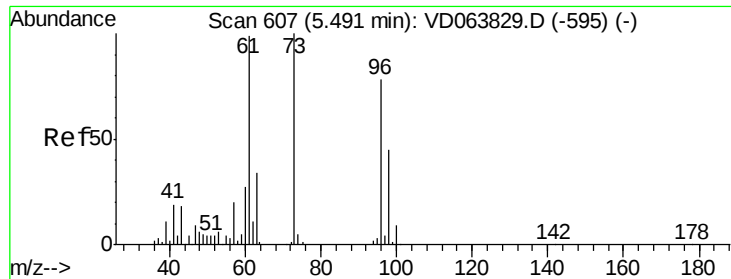


#20

Methylene Chloride
 Concen: 40.536 ug/l
 RT: 4.98 min Scan# 521
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion: 84 Resp: 130020
 Ion Ratio Lower Upper
 84 100
 49 117.0 93.6 140.4
 51 37.2 29.8 44.6
 86 63.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 47.316 ug/l

RT: 5.49 min Scan# 607

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

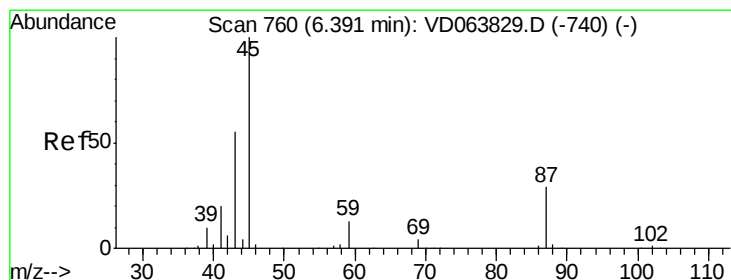
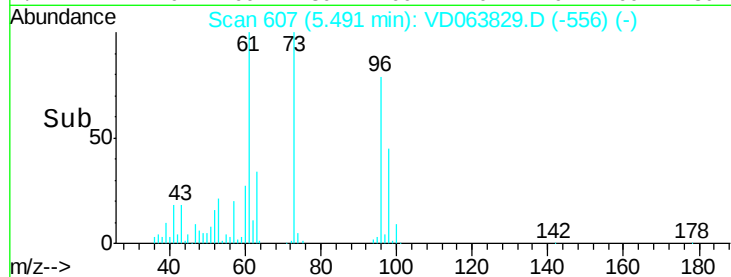
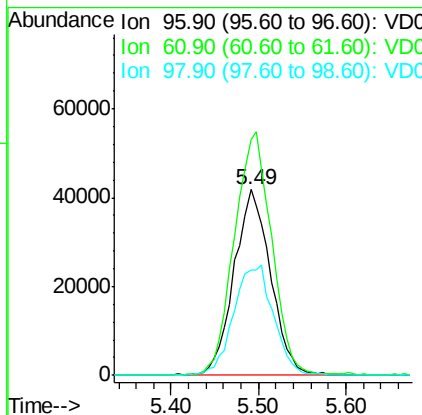
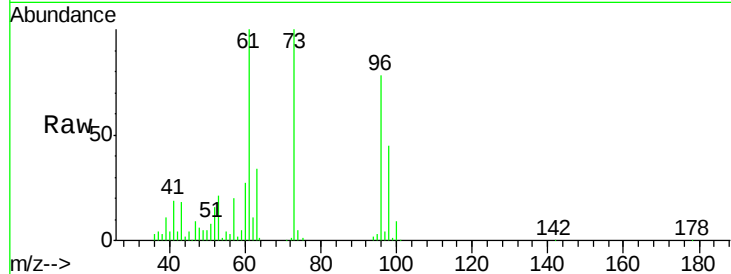
ClientSampleId :

VSTDICCC050

Tot Ion:	96	Resp:	118621
Ion	Ratio	Lower	Upper
96	100		
61	126.6	101.3	151.9
98	56.8	45.4	68.2

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#22

Diisopropyl ether

Concen: 48.575 ug/l

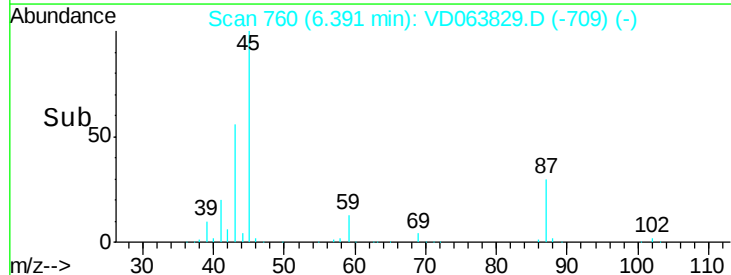
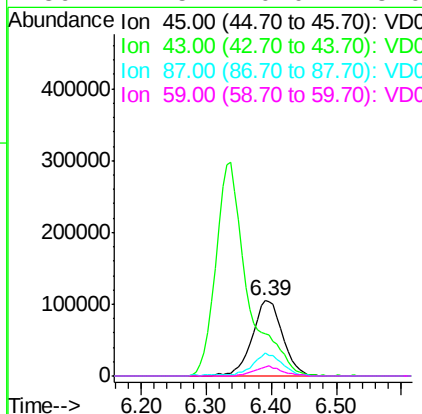
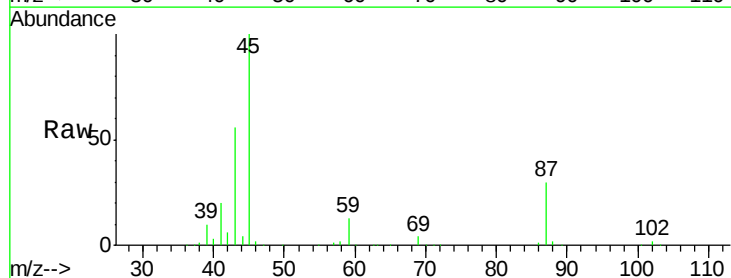
RT: 6.39 min Scan# 760

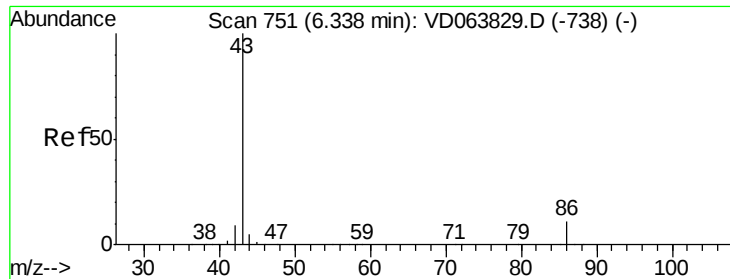
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	45	Resp:	341548
Ion	Ratio	Lower	Upper
45	100		
43	55.2	44.2	66.2
87	29.9	23.9	35.9
59	12.5	10.0	15.0





#23

Vinyl Acetate

Concen: 239.801 ug/l

RT: 6.34 min Scan# 751

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 997299

Ion Ratio Lower Upper

43 100

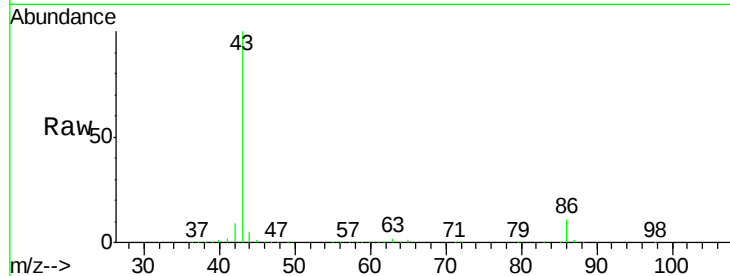
86 11.0 8.8 13.2

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.34

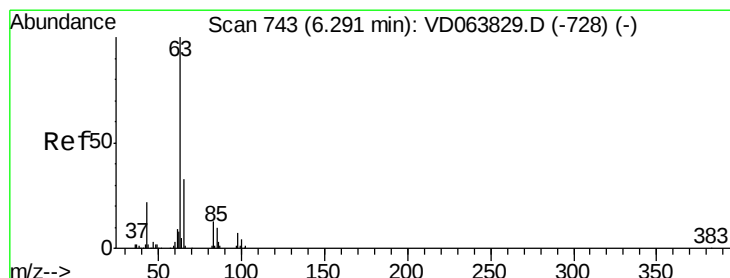
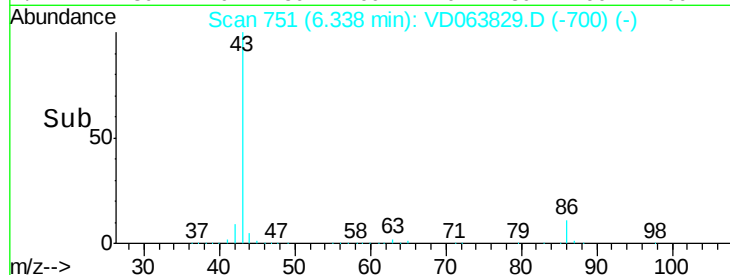
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.343 ug/l

RT: 6.29 min Scan# 743

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

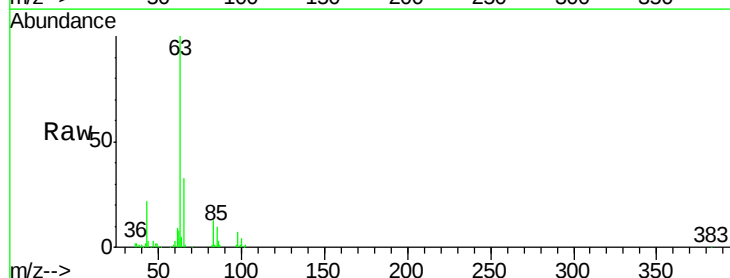
Tgt Ion: 63 Resp: 206510

Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.5

100 4.0 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.29

80000

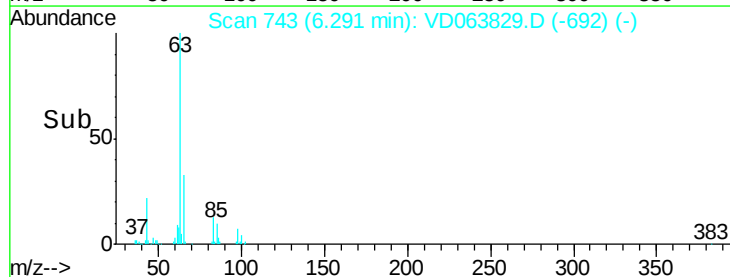
60000

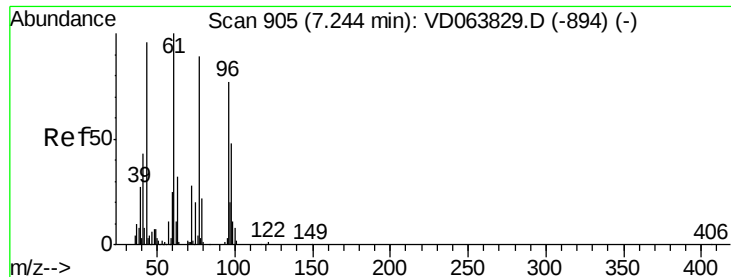
40000

20000

0

Time-->





#25

2-Butanone

Concen: 230.764 ug/l

RT: 7.24 min Scan# 905

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 160829

Ion Ratio Lower Upper

43 100

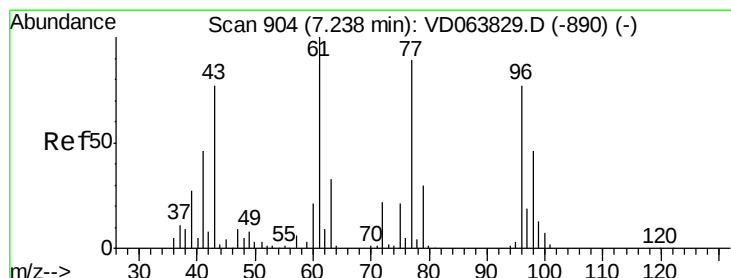
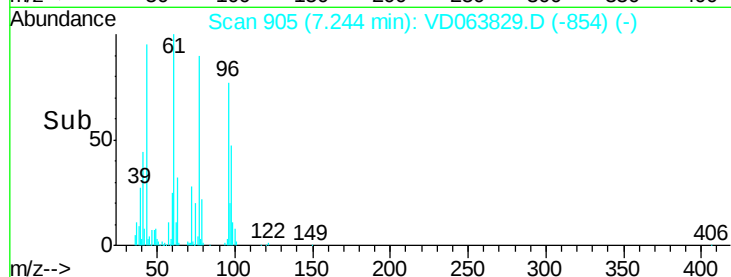
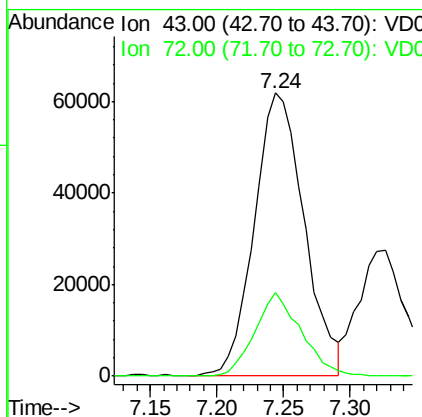
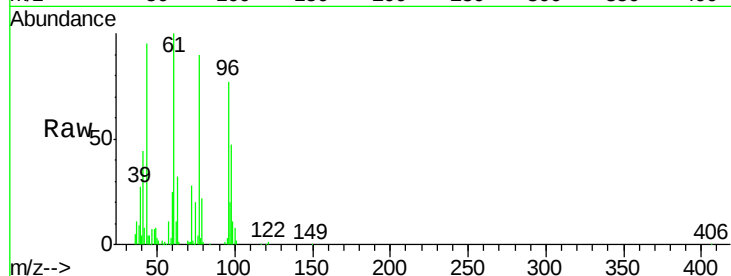
72 29.4 23.5 35.3

Manual Integrations

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10/1/2019 9:26:10 AM



#26

2,2-Dichloropropane

Concen: 48.127 ug/l

RT: 7.24 min Scan# 904

Delta R.T. 0.00 min

Lab File: VD063829.D

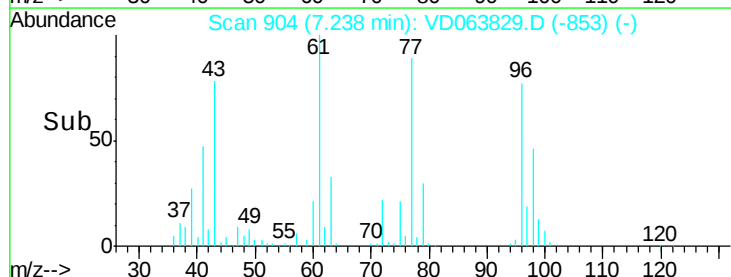
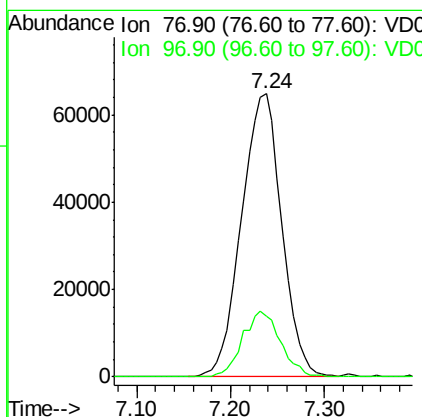
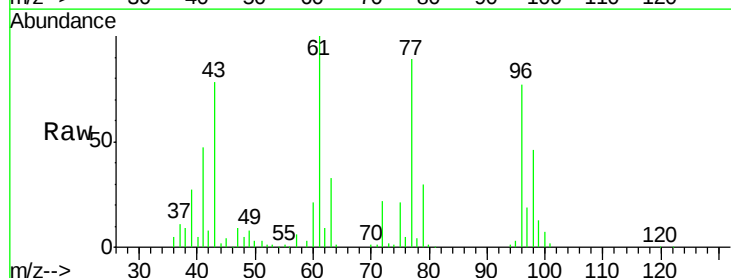
Acq: 25 Sep 2019 18:20

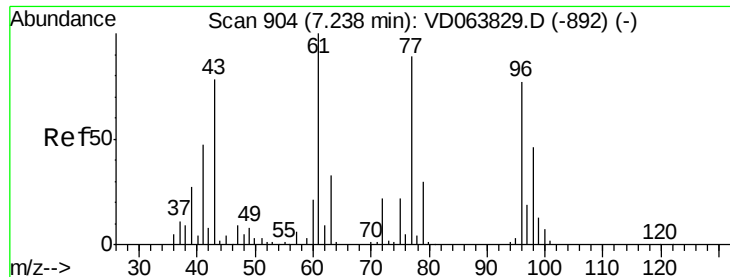
Tgt Ion: 77 Resp: 192267

Ion Ratio Lower Upper

77 100

97 21.8 10.9 32.7





#27

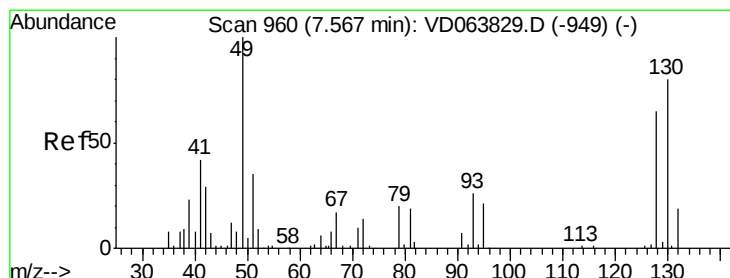
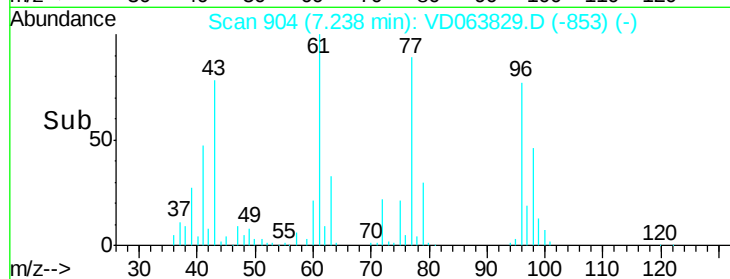
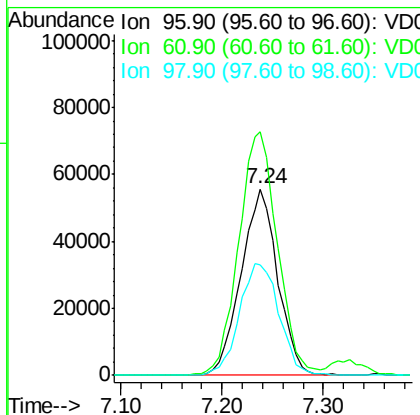
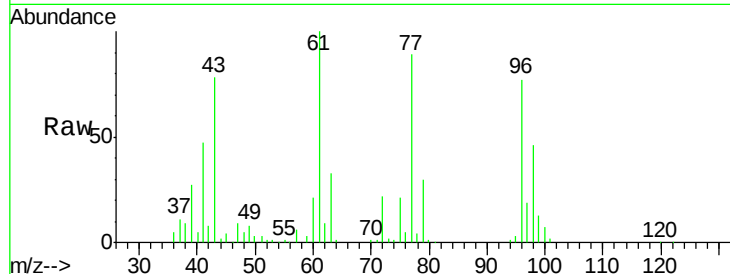
cis-1,2-Dichloroethene
 Concen: 49.553 ug/l
 RT: 7.24 min Scan# 904
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139394		
61	137.8	0.0	275.6	
98	65.1	0.0	130.2	

Manual Integrations
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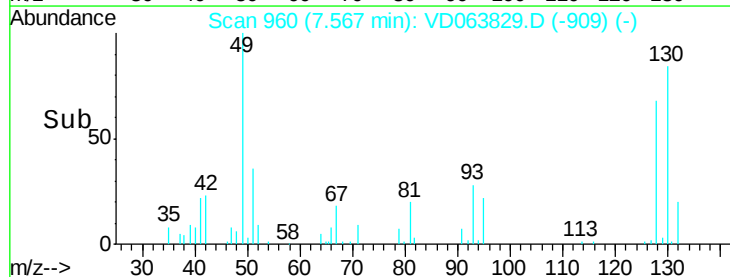
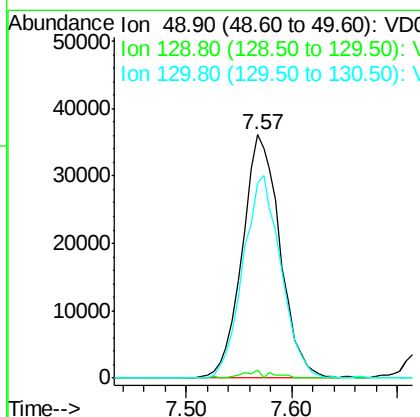
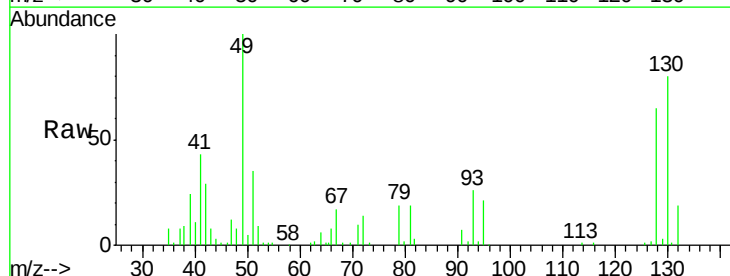
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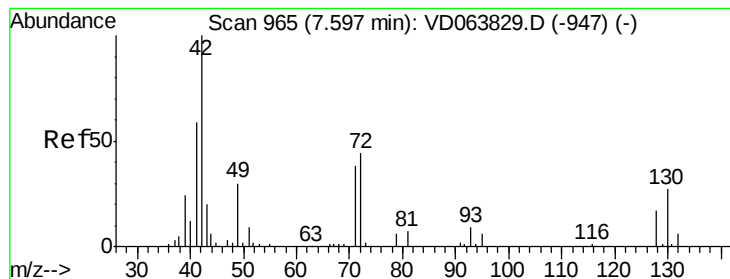


#28

Bromochloromethane
 Concen: 53.444 ug/l
 RT: 7.57 min Scan# 960
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	89585		
129	1.3	0.0	2.6	
130	83.7	67.0	100.4	





#29

Tetrahydrofuran

Concen: 235.593 ug/l

RT: 7.60 min Scan# 965

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

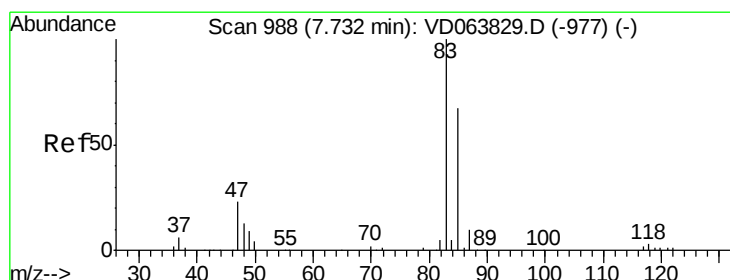
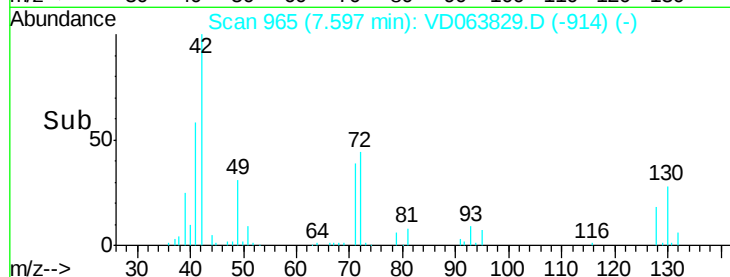
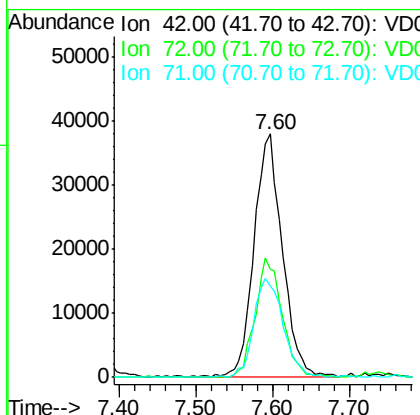
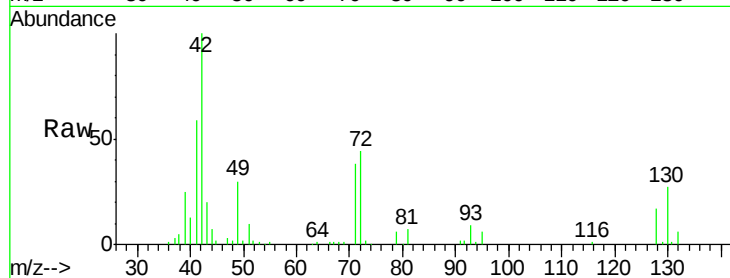
ClientSampleID :

VSTDICCC050

Tot Ion:	42	Resp:	98384
Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.3	55.9
71	41.8	33.4	50.2

Manual Integrations
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#30

Chloroform

Concen: 48.018 ug/l

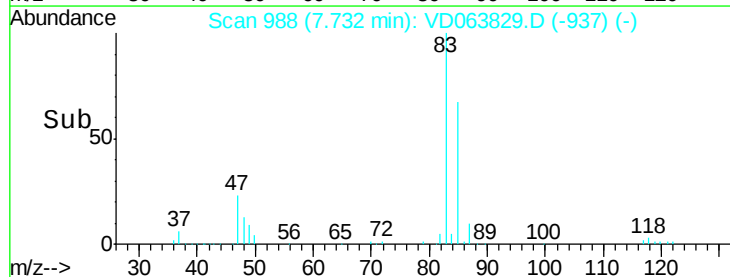
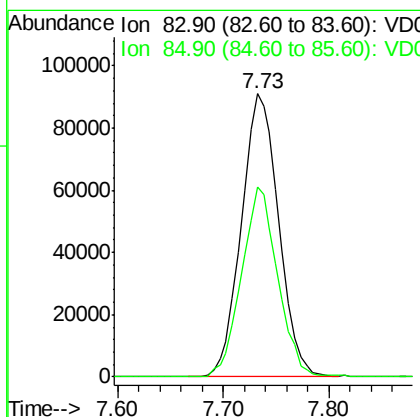
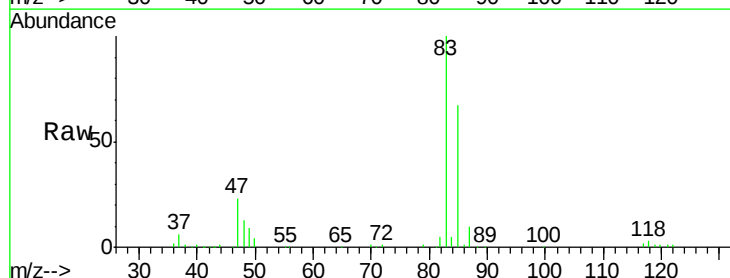
RT: 7.73 min Scan# 988

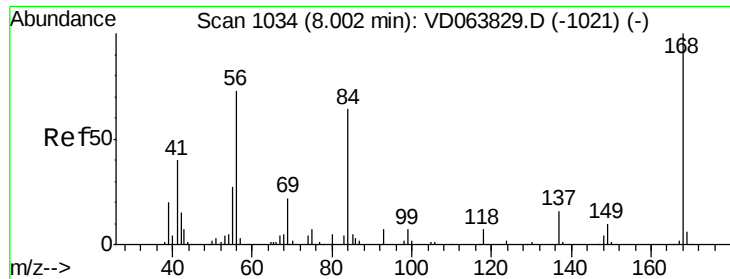
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	83	Resp:	222798
Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.4	80.2





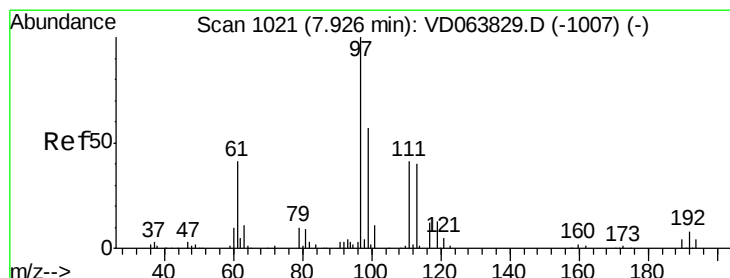
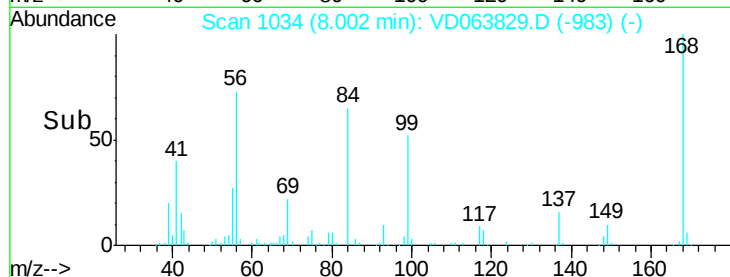
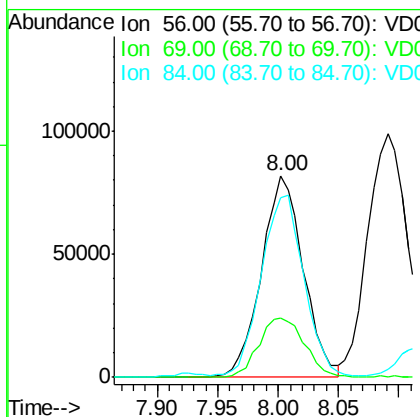
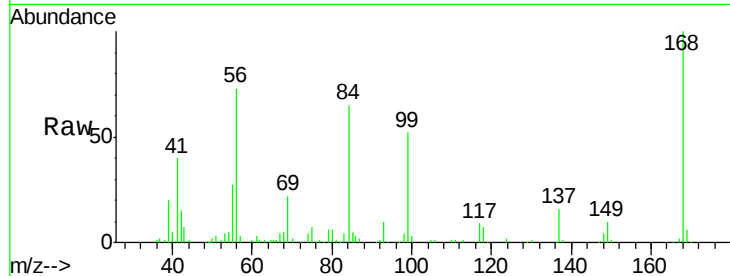
#31
Cyclohexane
Concen: 46.400 ug/l
RT: 8.00 min Scan# 1034
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	28.9	23.1	34.7
84	87.1	69.7	104.5

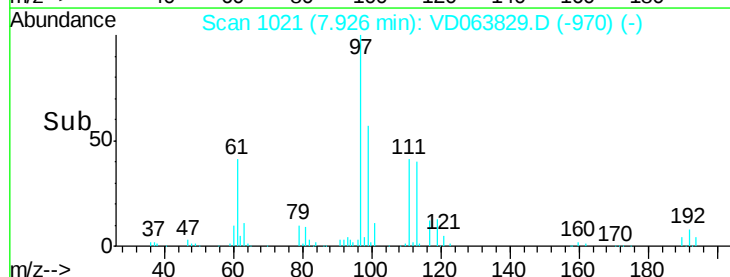
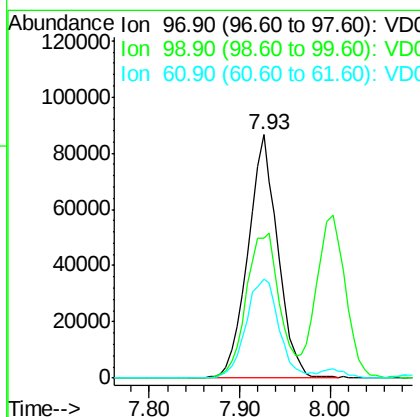
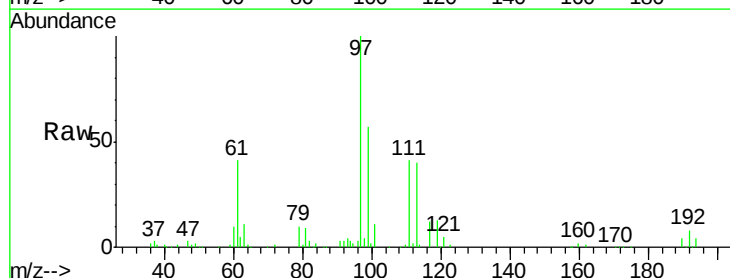
Manual Integrations
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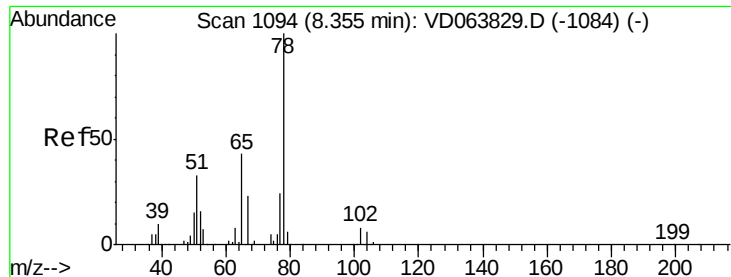
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10/1/2019 9:26:10 AM



#32
1,1,1-Trichloroethane
Concen: 47.008 ug/l
RT: 7.93 min Scan# 1021
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.1	52.9	79.3
61	44.8	35.8	53.8





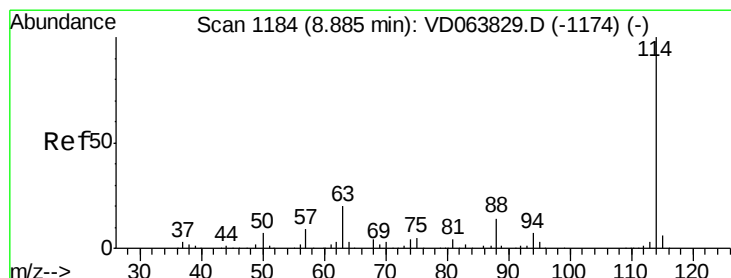
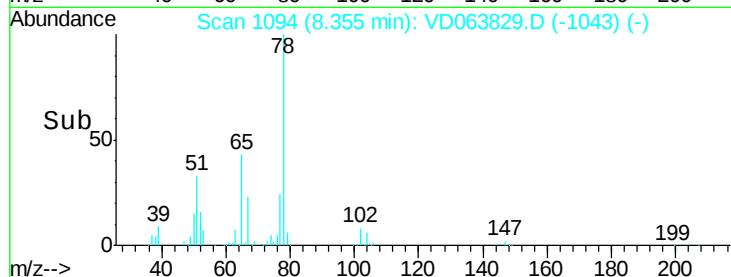
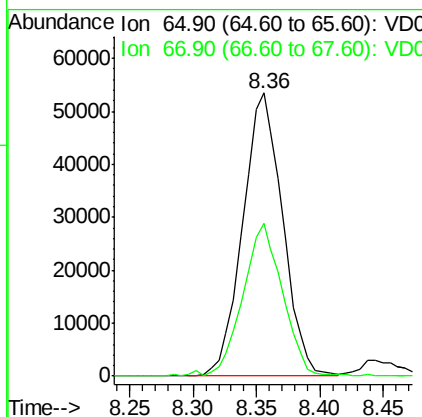
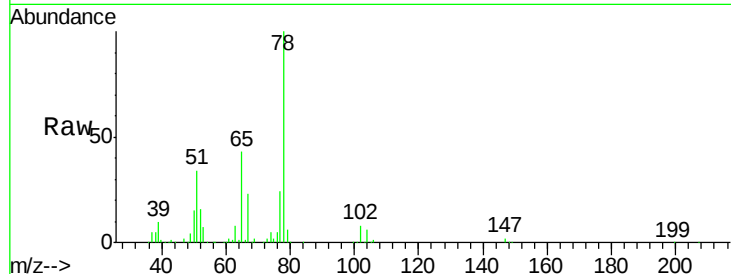
#33
 1,2-Dichloroethane-d4
 Concen: 49.343 ug/l
 RT: 8.36 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	65	Resp	117187
Ion Ratio	100	Lower	Upper
67	53.7	0.0	107.4

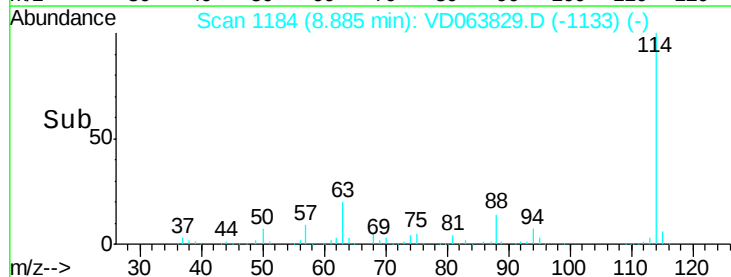
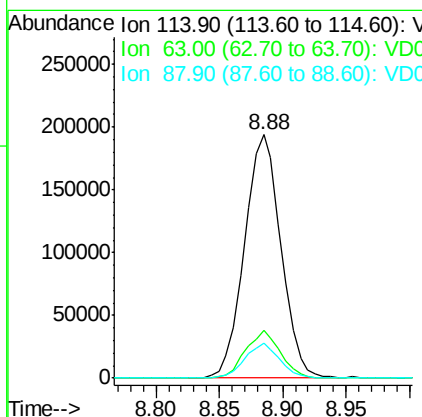
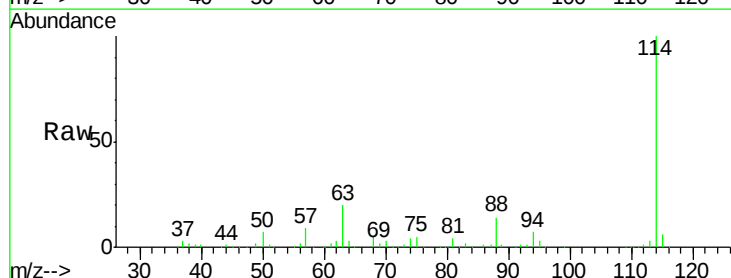
Manual Integrations
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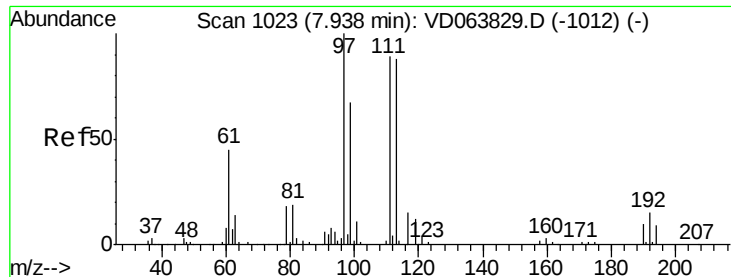
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 10/1/2019 9:26:10 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.88 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	114	Resp	387293
Ion Ratio	100	Lower	Upper
63	19.6	0.0	39.2
88	14.2	0.0	28.4





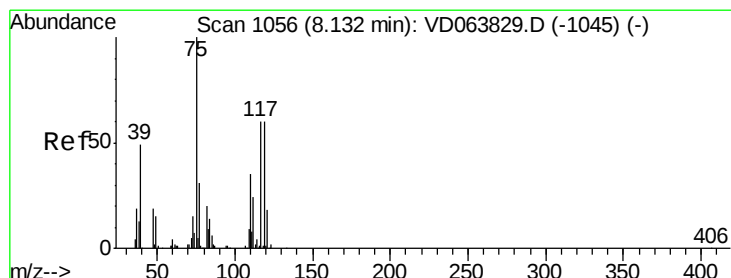
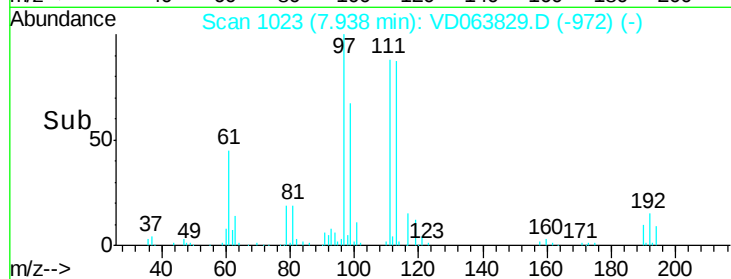
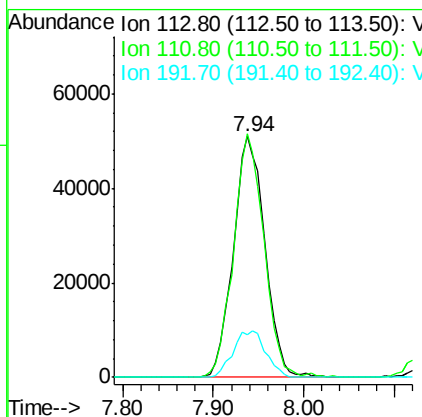
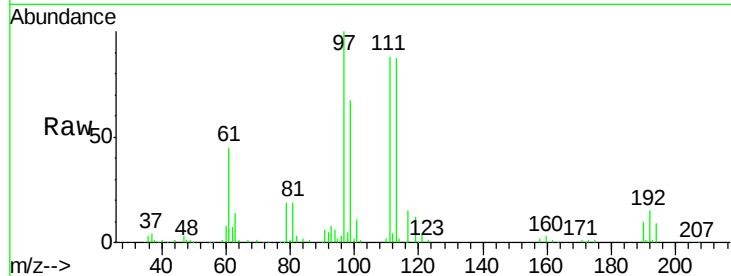
#35
 Dibromofluoromethane
 Concen: 50.101 ug/l
 RT: 7.94 min Scan# 1023
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	123177		
111	97.1	77.7	116.5	
192	19.9	15.9	23.9	

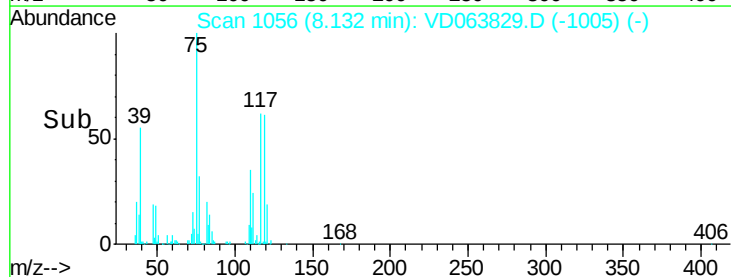
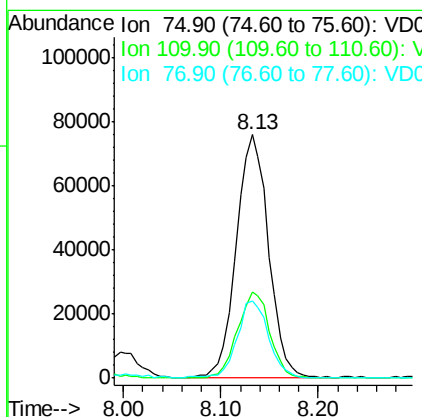
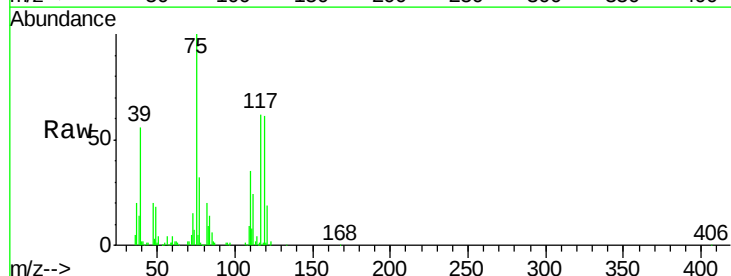
Manual Integrations
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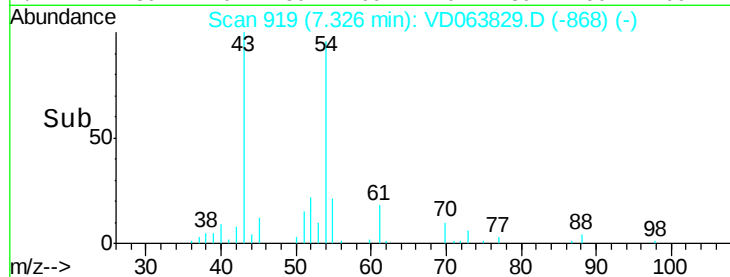
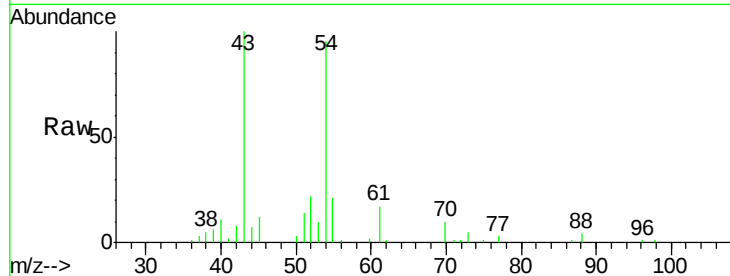
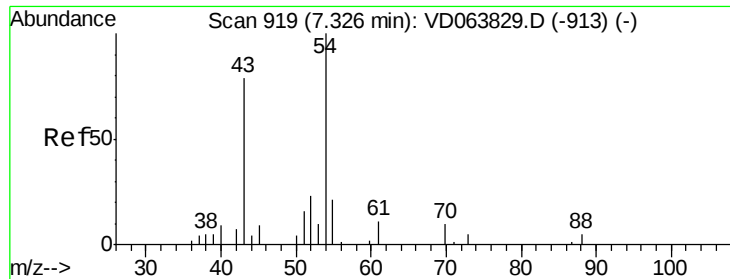
MMDadoda
 10/1/2019 9:26:10 AM



#36
 1,1-Dichloropropene
 Concen: 49.675 ug/l
 RT: 8.13 min Scan# 1056
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	175486		
110	35.0	17.5	52.5	
77	31.1	24.9	37.3	





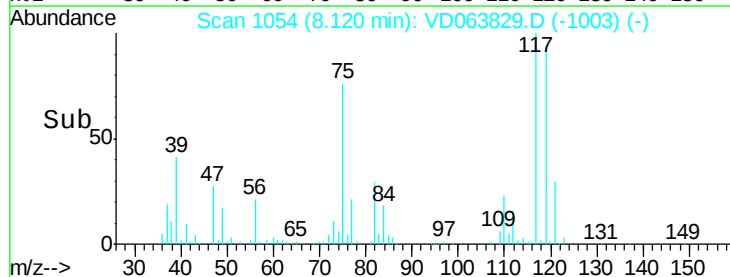
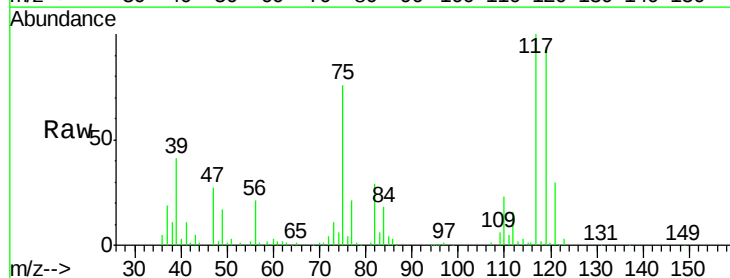
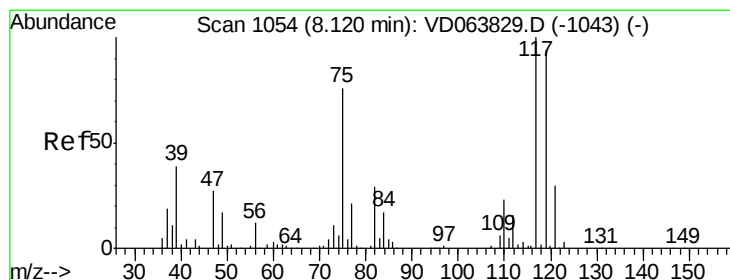
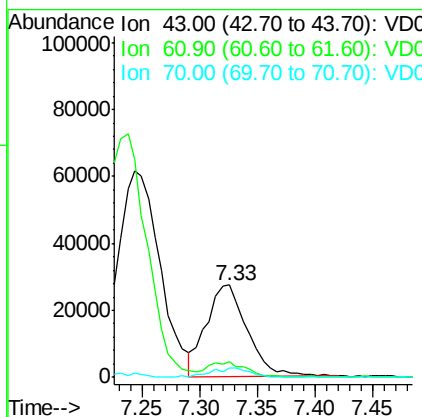
#37
Ethyl Acetate
Concen: 45.604 ug/l
RT: 7.33 min Scan# 919
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.9	12.7	19.1
70	10.4	8.3	12.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

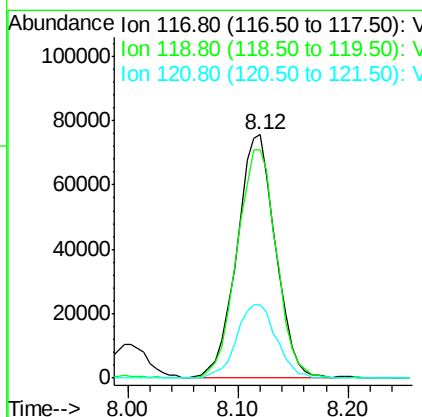
Manual Integrations
APPROVED

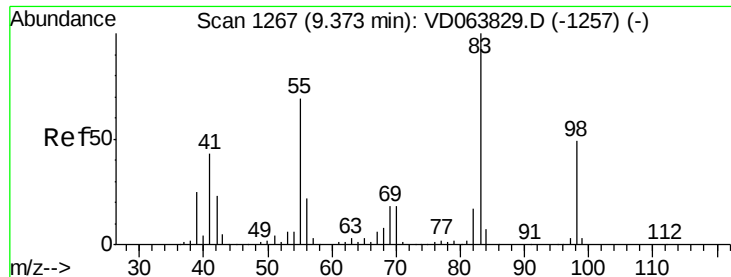
MMDadoda
10/1/2019 9:26:10 AM



#38
Carbon Tetrachloride
Concen: 50.581 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.0	75.2	112.8
121	29.9	23.9	35.9





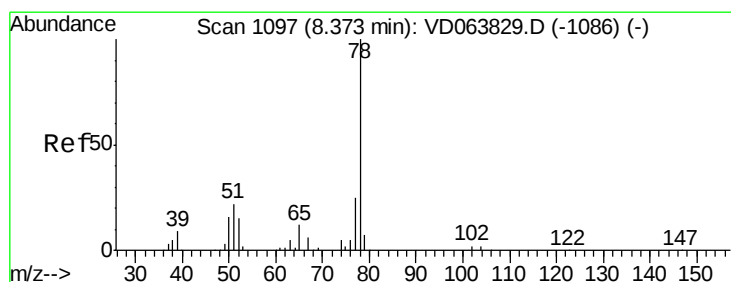
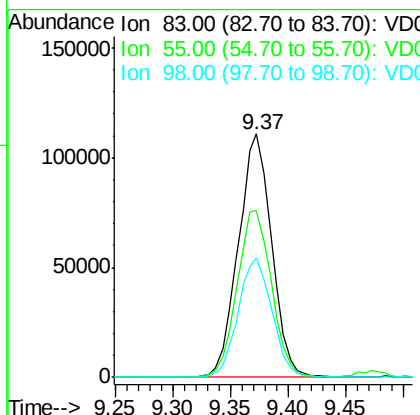
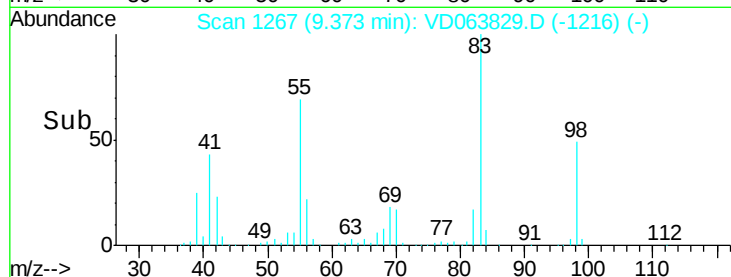
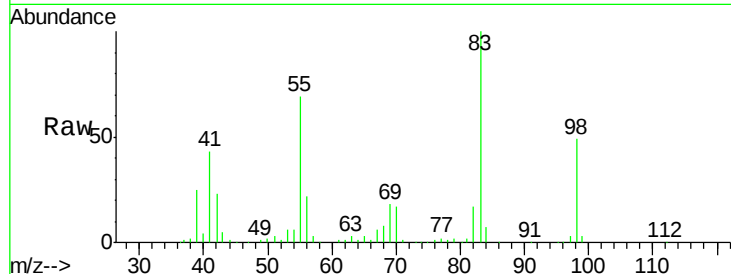
#39
Methylcyclohexane
Concen: 50.533 ug/l
RT: 9.37 min Scan# 1267
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	22285		
55	68.6		54.9	82.3
98	48.8		39.0	58.6

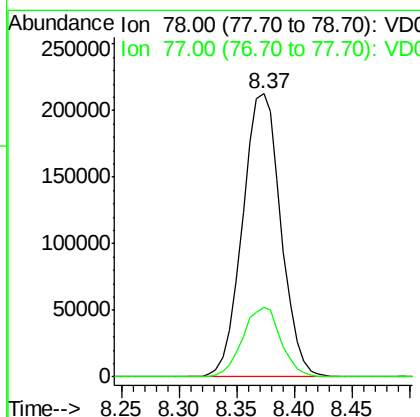
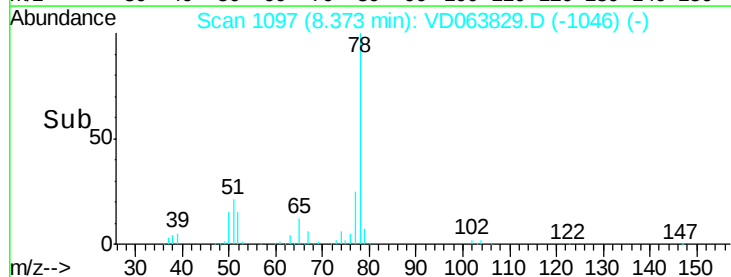
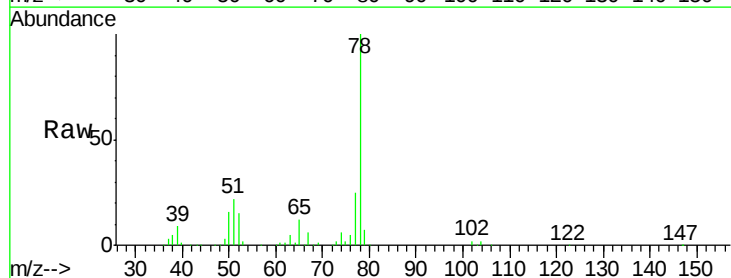
Manual Integrations
APPROVED

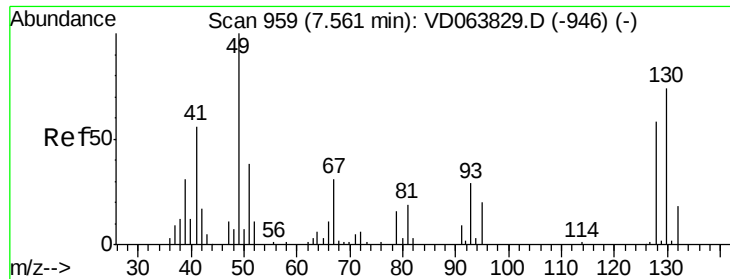
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#40
Benzene
Concen: 50.533 ug/l
RT: 8.37 min Scan# 1097
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	491640		
77	24.7		19.8	29.6





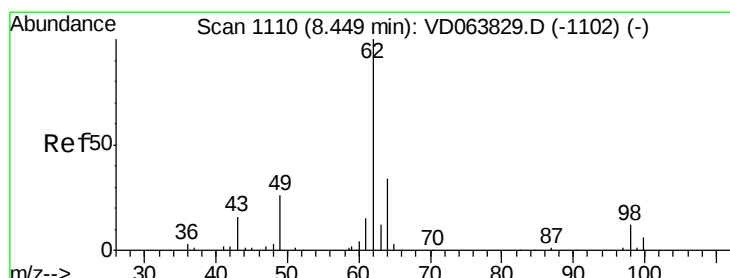
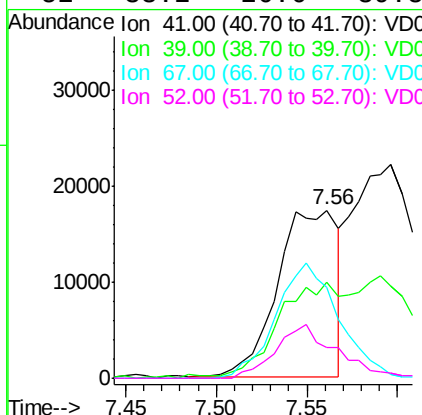
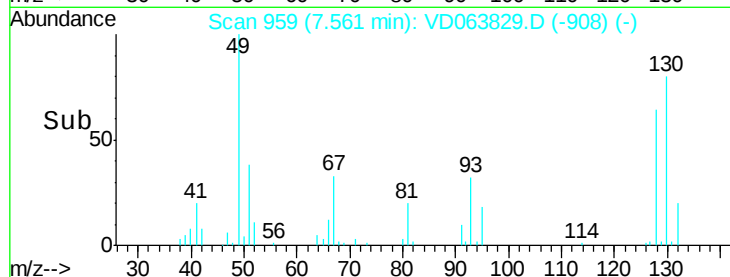
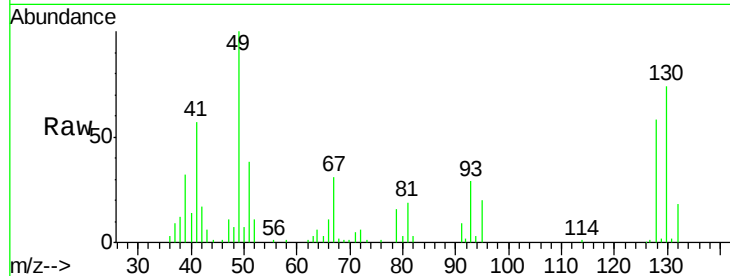
#41
Methacrylonitrile
Concen: 46.075 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	41	Resp	40148
Ion	Ratio	Lower	Upper
41	100		
39	65.3	52.2	78.4
67	73.2	58.6	87.8
52	33.2	26.6	39.8

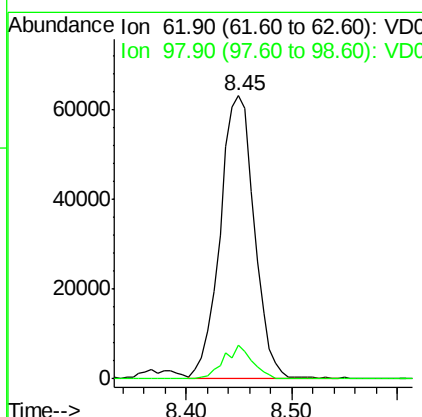
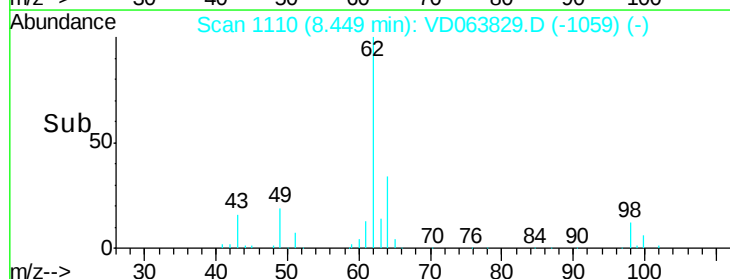
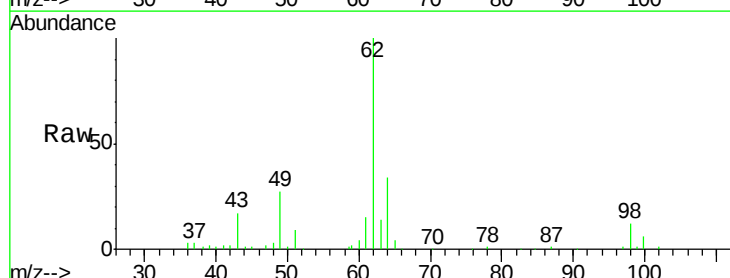
Manual Integrations
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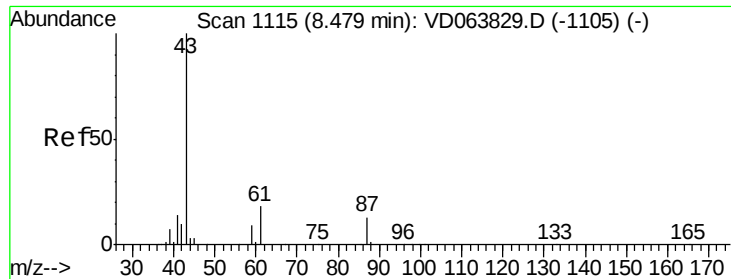
MMDadoda
10/1/2019 9:26:10 AM



#42
1,2-Dichloroethane
Concen: 49.847 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	62	Resp	141813
Ion	Ratio	Lower	Upper
62	100		
98	9.8	0.0	19.6





#43

Isopropyl Acetate

Concen: 47.811 ug/l

RT: 8.48 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

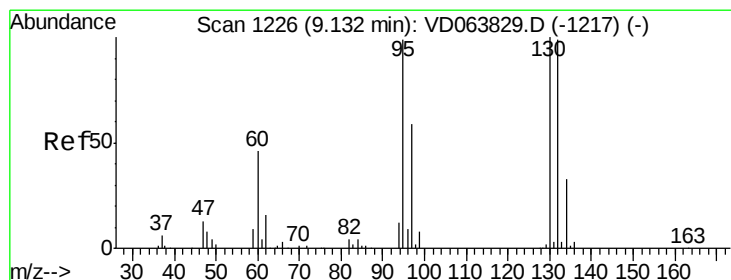
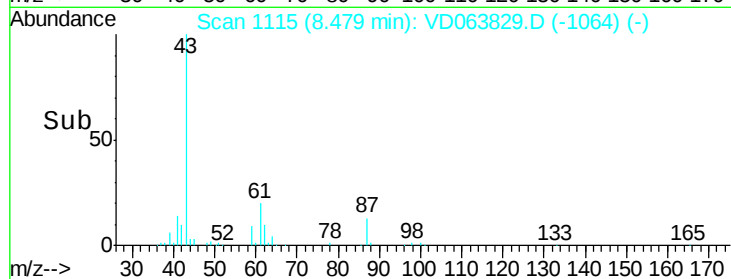
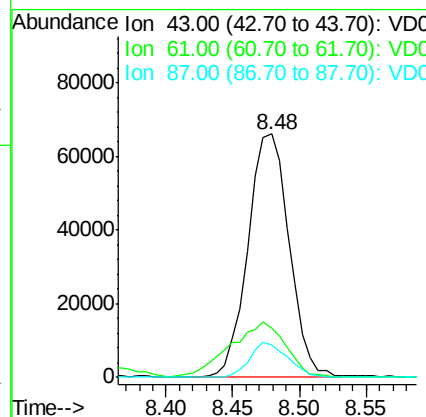
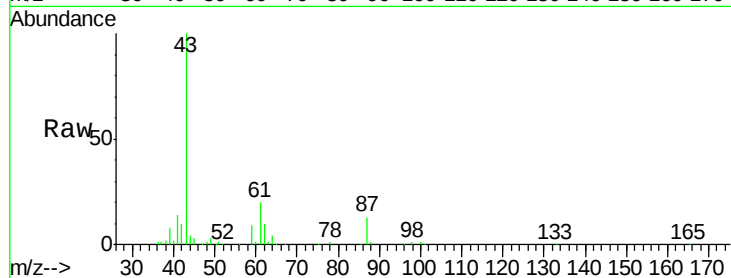
ClientSampleId :

VSTDICCC050

Tot Ion:	43	Resp:	141415
Ion	Ratio	Lower	Upper
43	100		
61	30.8	24.6	37.0
87	13.1	10.5	15.7

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#44

Trichloroethene

Concen: 50.385 ug/l

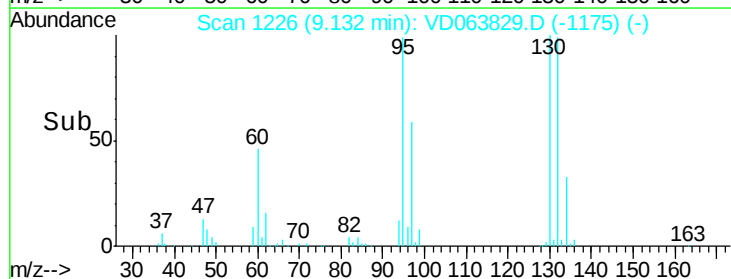
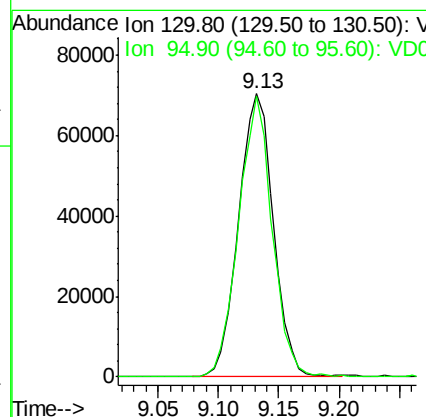
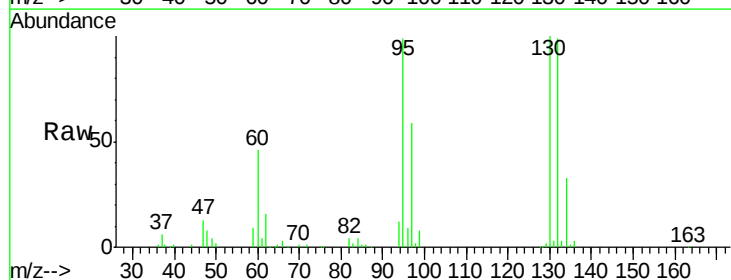
RT: 9.13 min Scan# 1226

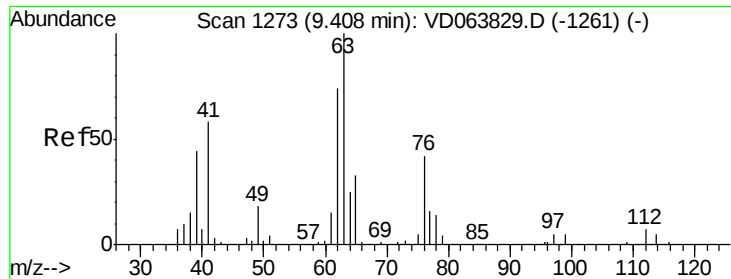
Delta R.T. 0.00 min

Lab File: VD063829.D

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Tgt Ion:	130	Resp:	141960
Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	198.6





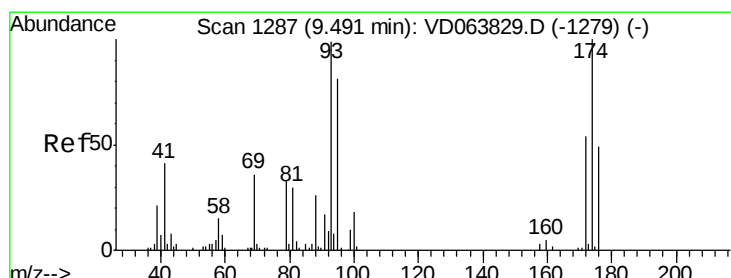
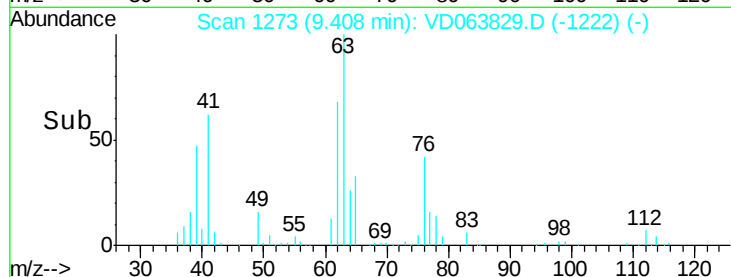
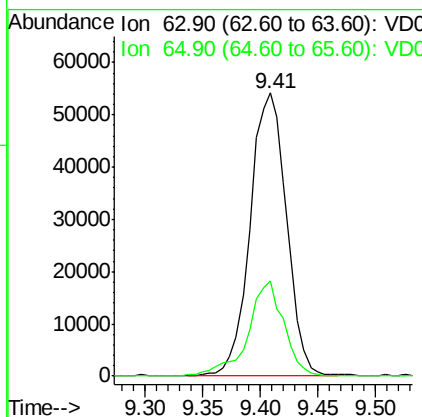
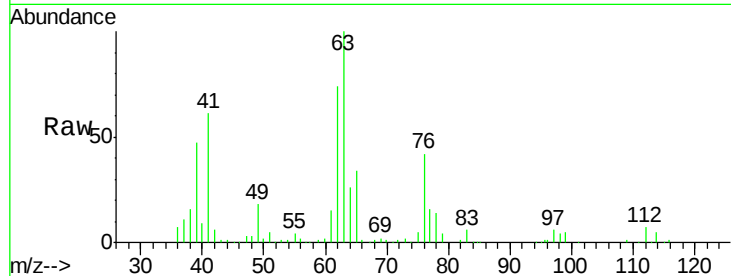
#45
 1,2-Dichloropropane
 Concen: 49.471 ug/l
 RT: 9.41 min Scan# 1273
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 63 Resp: 118894
 Ion Ratio Lower Upper
 63 100
 65 33.5 26.8 40.2

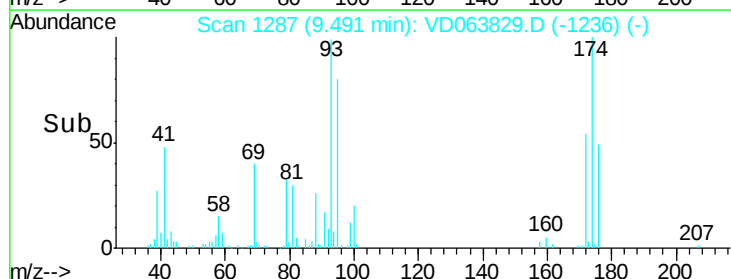
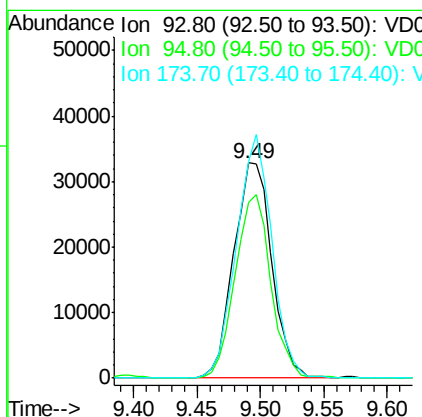
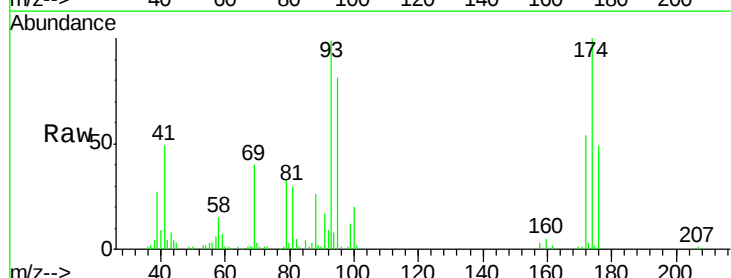
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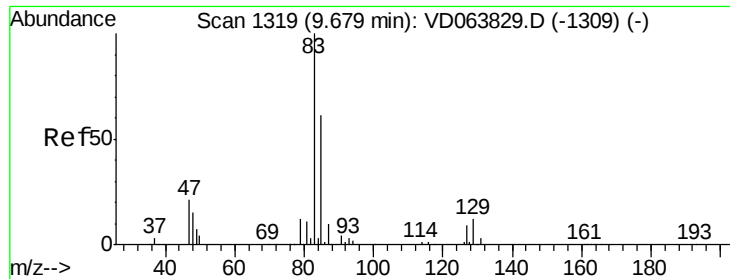
MMDadoda
 10/1/2019 9:26:10 AM



#46
 Dibromomethane
 Concen: 50.446 ug/l
 RT: 9.49 min Scan# 1287
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion: 93 Resp: 68428
 Ion Ratio Lower Upper
 93 100
 95 79.8 63.8 95.8
 174 105.2 84.2 126.2





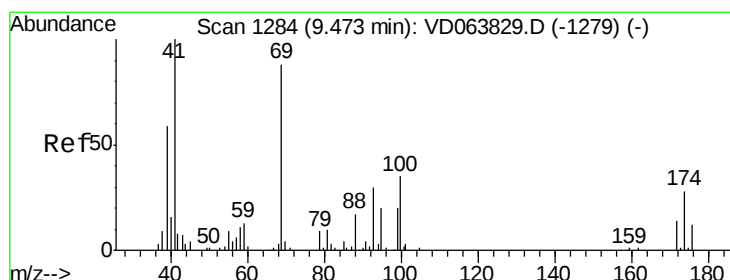
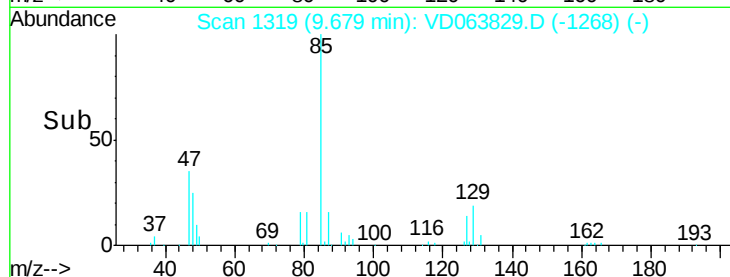
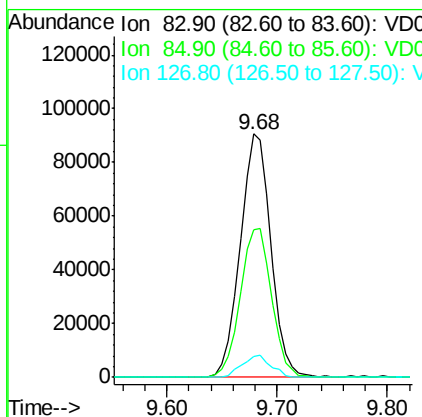
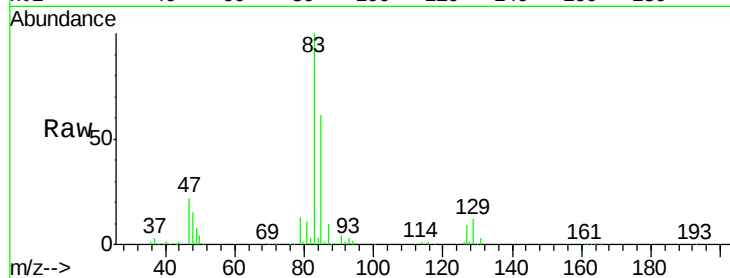
#47
Bromodichloromethane
Concen: 50.543 ug/l
RT: 9.68 min Scan# 1319
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	176738		
85	60.8	48.6	73.0	
127	8.6	6.9	10.3	

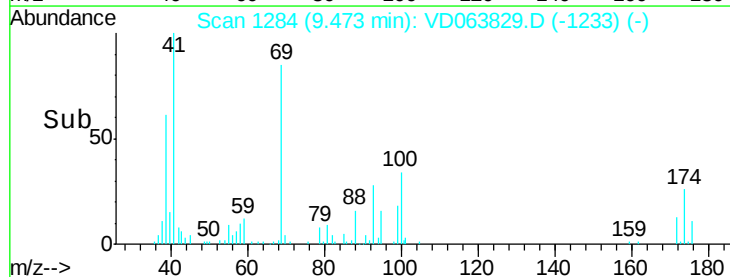
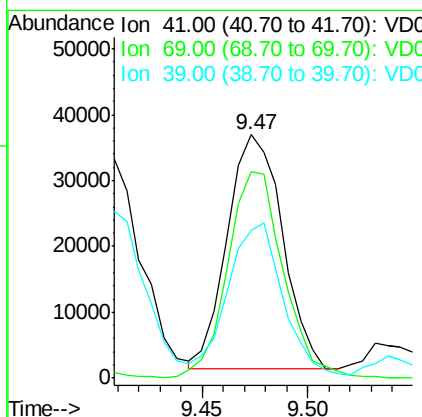
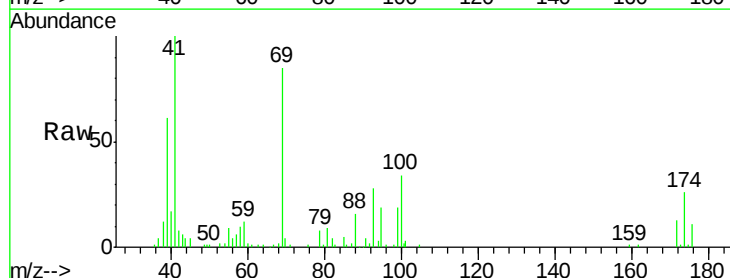
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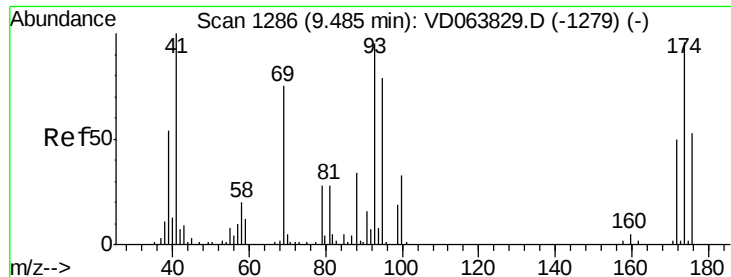
MMDadoda
10/1/2019 9:26:10 AM



#48
Methyl methacrylate
Concen: 47.684 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	64148		
69	89.6	71.7	107.5	
39	64.6	51.7	77.5	





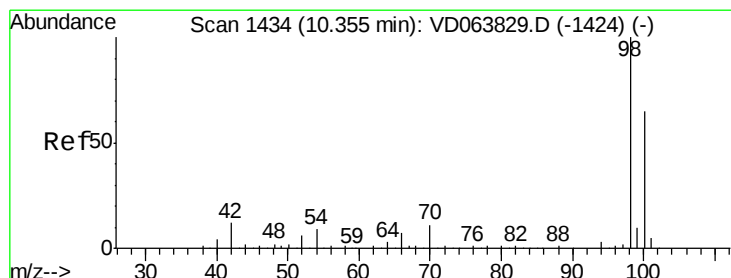
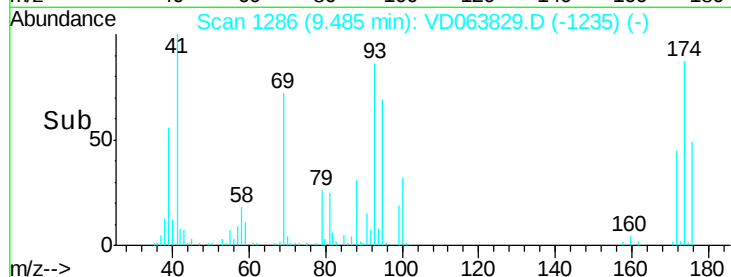
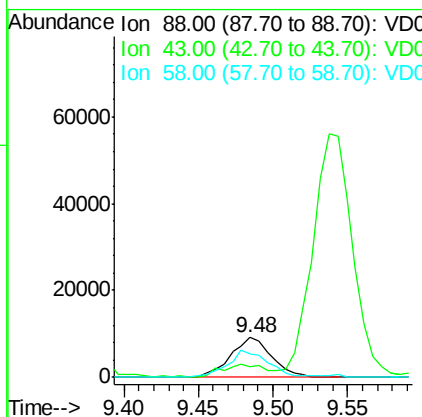
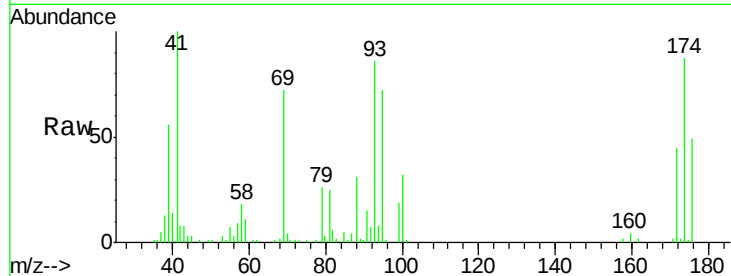
#49
 1,4-Dioxane
 Concen: 927.642 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
88	100	17554		
43	32.2	25.8	38.6	
58	69.9	55.9	83.9	

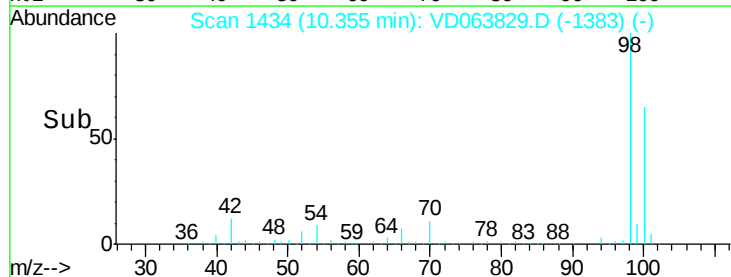
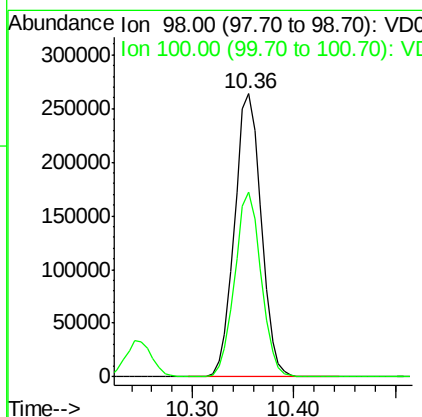
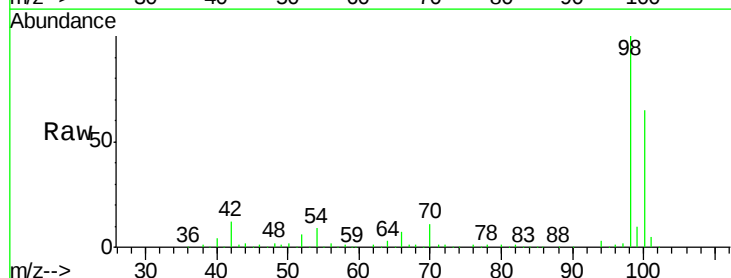
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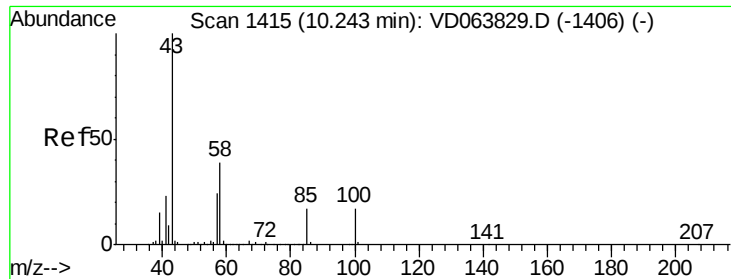
MMDadoda
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#50
 Toluene-d8
 Concen: 52.236 ug/l
 RT: 10.36 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	483427		
100	64.5	51.6	77.4	





#51

4-Methyl-2-Pentanone

Concen: 238.443 ug/l

RT: 10.24 min Scan# 1415

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 43 Resp: 355296

Ion Ratio Lower Upper

43 100

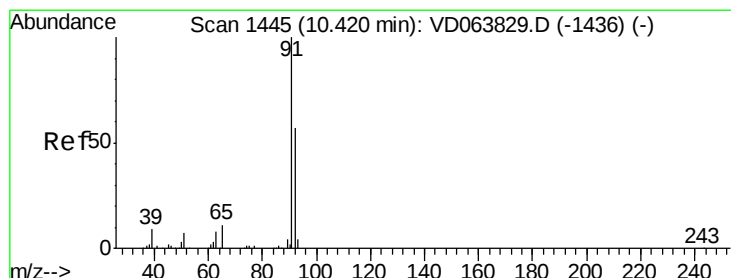
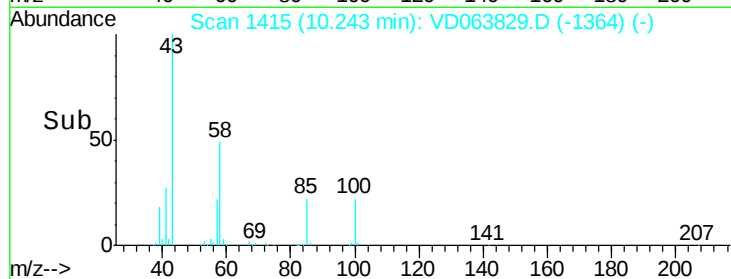
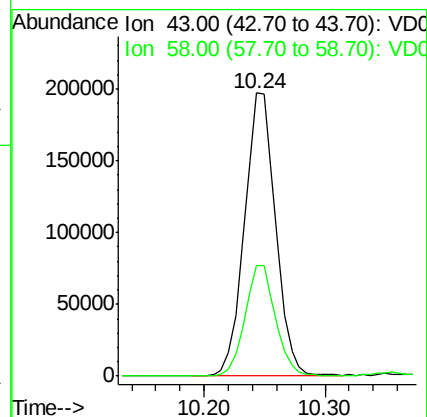
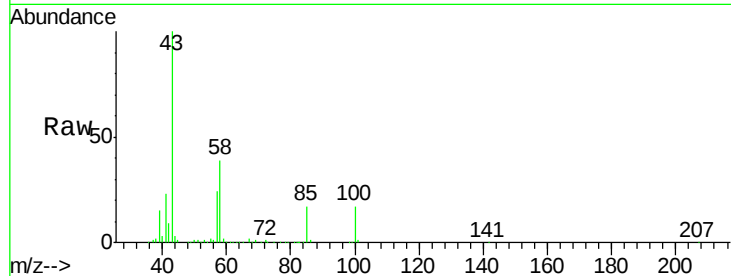
58 38.6 30.9 46.3

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#52

Toluene

Concen: 50.715 ug/l

RT: 10.42 min Scan# 1445

Delta R.T. 0.00 min

Lab File: VD063829.D

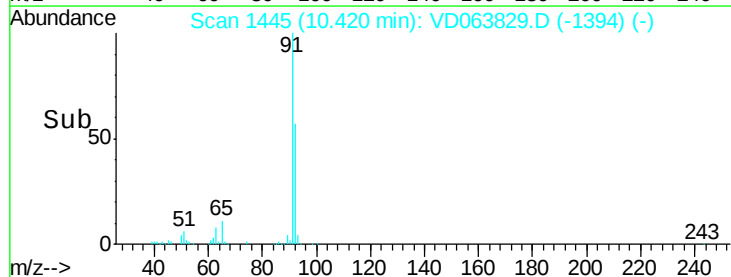
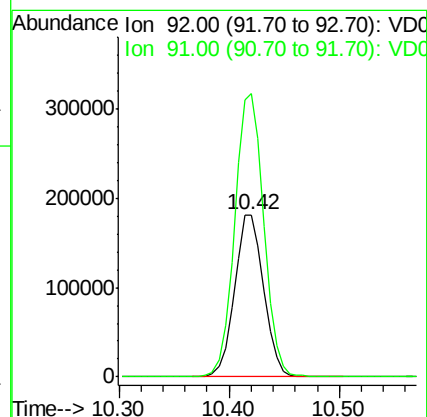
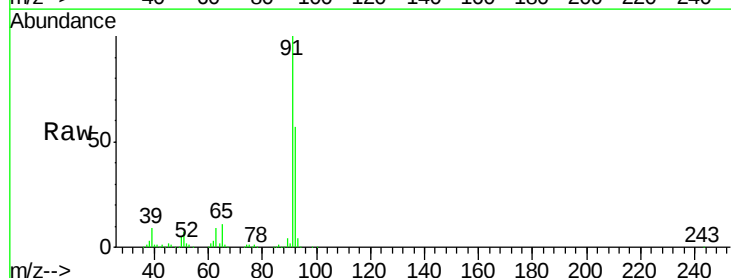
Acq: 25 Sep 2019 18:20

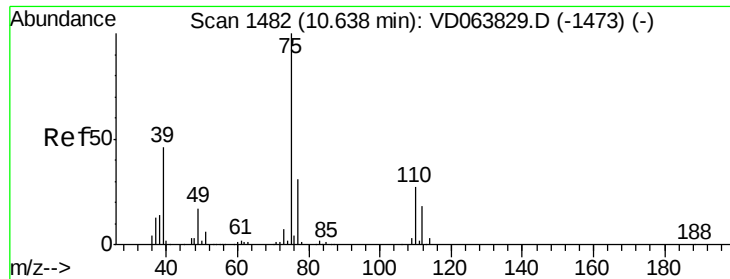
Tgt Ion: 92 Resp: 334553

Ion Ratio Lower Upper

92 100

91 174.6 139.7 209.5





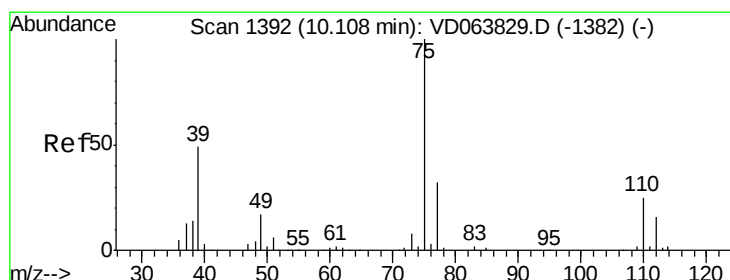
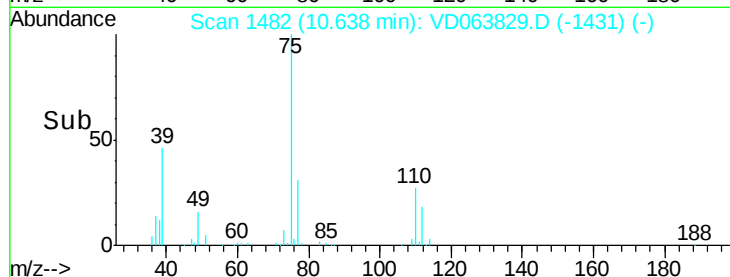
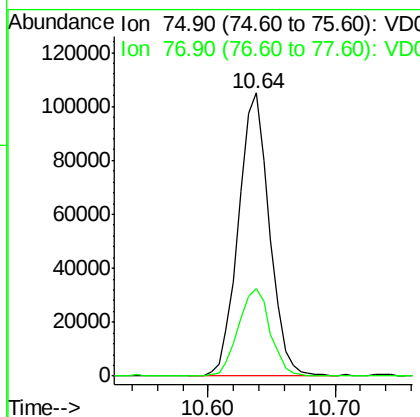
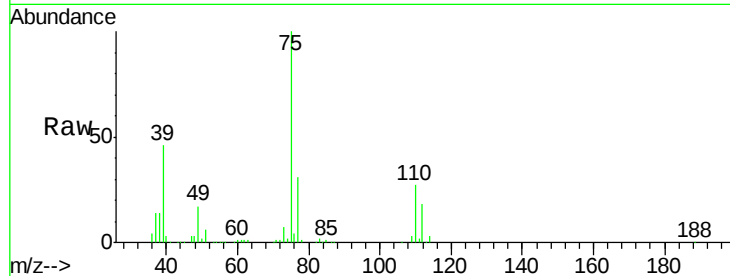
#53
t-1,3-Dichloropropene
Concen: 51.226 ug/l
RT: 10.64 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 75 Resp: 177552
Ion Ratio Lower Upper
75 100
77 31.1 24.9 37.3

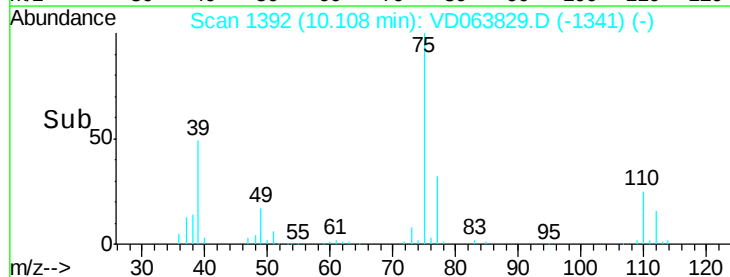
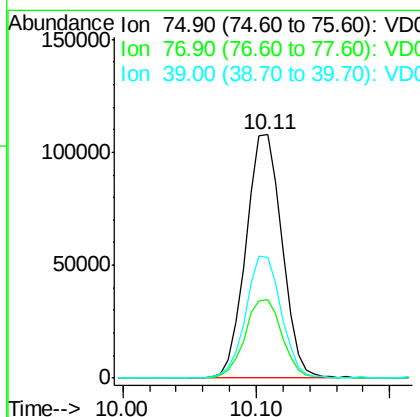
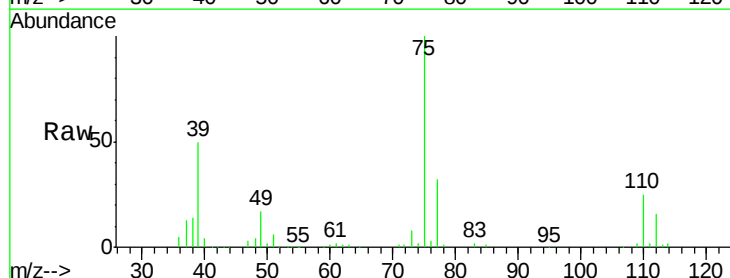
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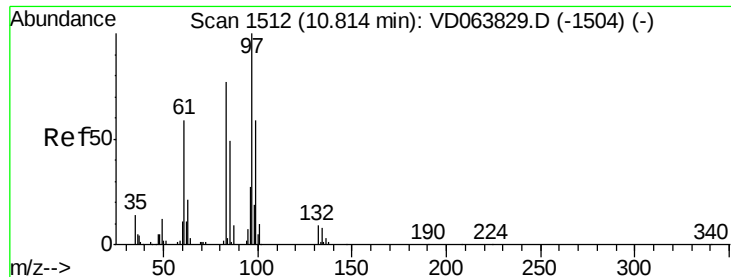
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#54
cis-1,3-Dichloropropene
Concen: 51.165 ug/l
RT: 10.11 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 75 Resp: 201306
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8
39 49.4 39.5 59.3





#55

1,1,2-Trichloroethane

Concen: 50.895 ug/l

RT: 10.81 min Scan# 1512

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

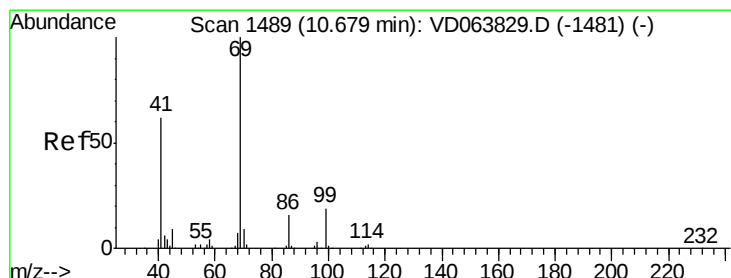
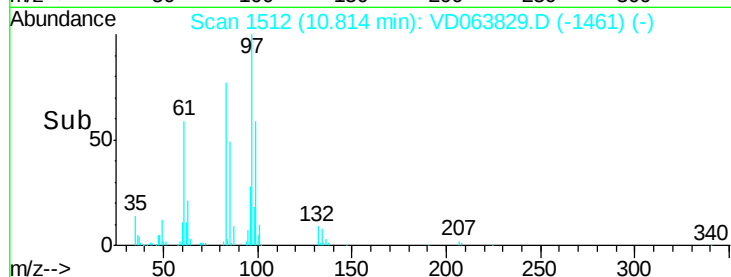
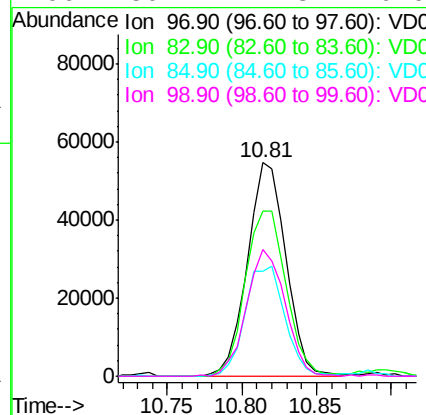
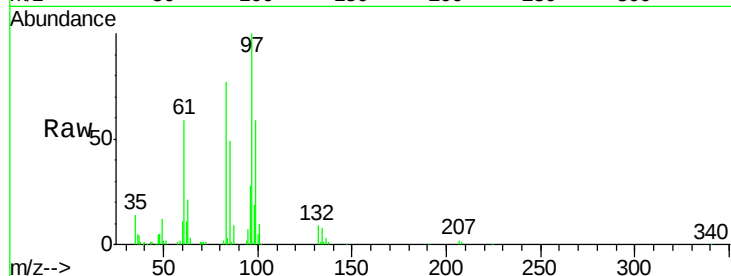
ClientSampleId :

VSTDICCC050

Tot Ion:	97	Resp:	97551
Ion	Ratio	Lower	Upper
97	100		
83	77.4	61.9	92.9
85	49.3	39.4	59.2
99	59.1	47.3	70.9

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.098 ug/l

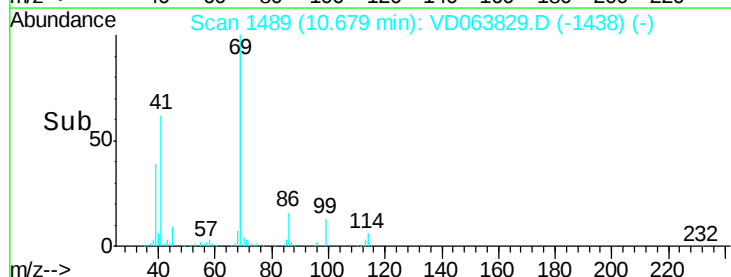
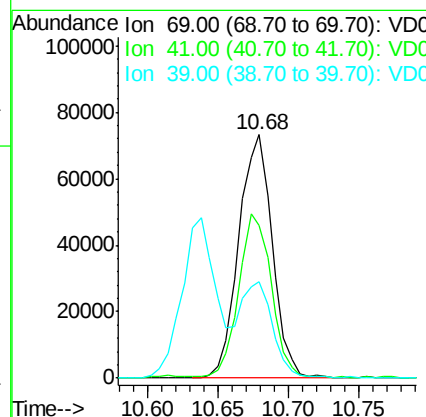
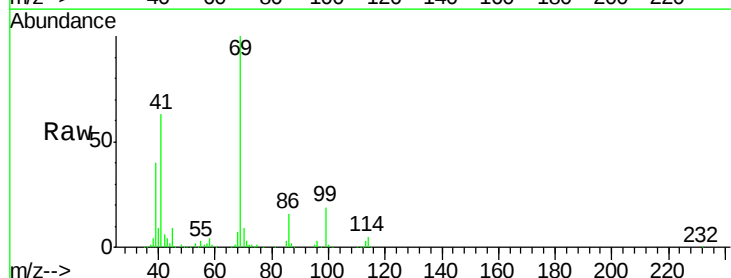
RT: 10.68 min Scan# 1489

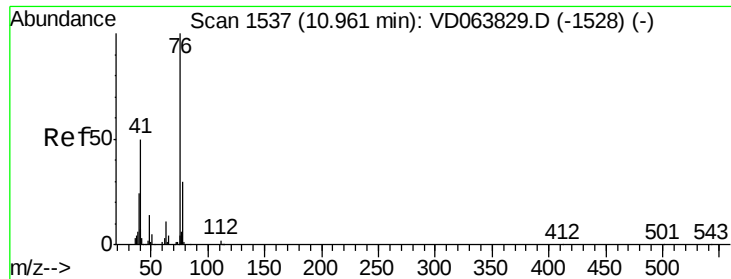
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	69	Resp:	122045
Ion	Ratio	Lower	Upper
69	100		
41	65.3	52.2	78.4
39	35.9	28.7	43.1





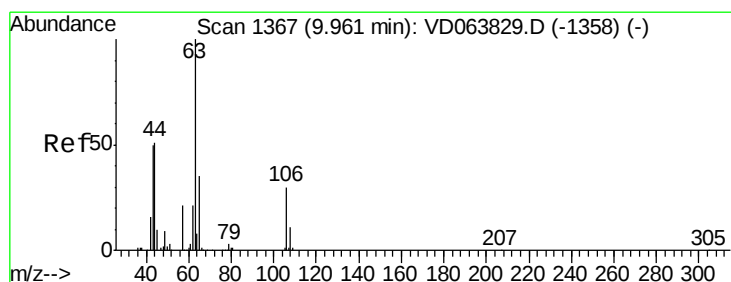
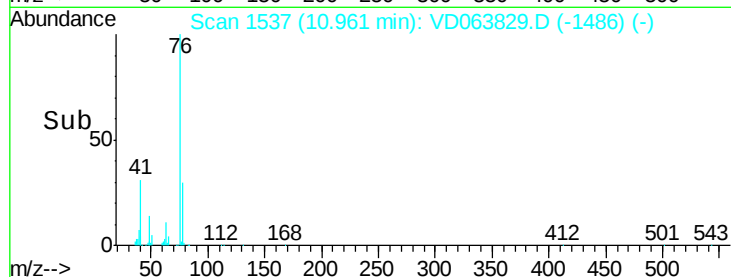
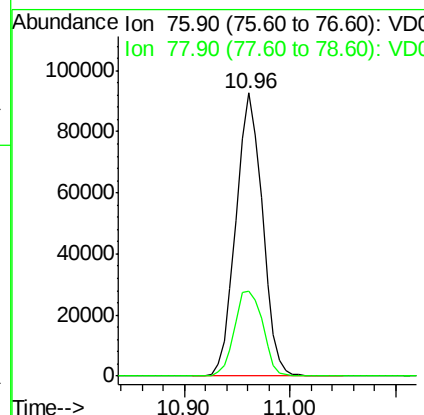
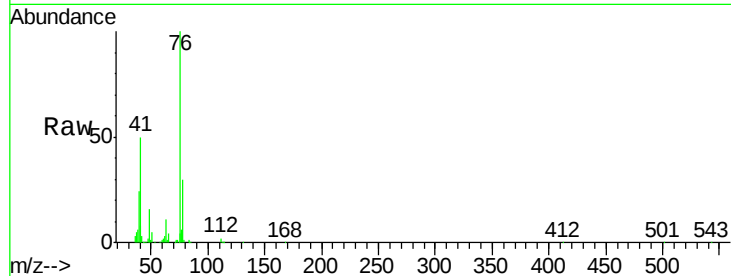
#57
 1,3-Dichloropropane
 Concen: 49.503 ug/l
 RT: 10.96 min Scan# 1537
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion: 76 Resp: 161219
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.7 38.5

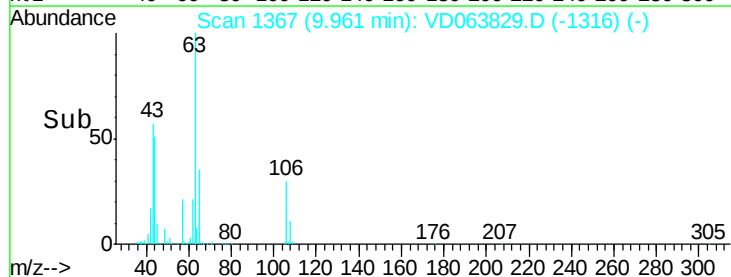
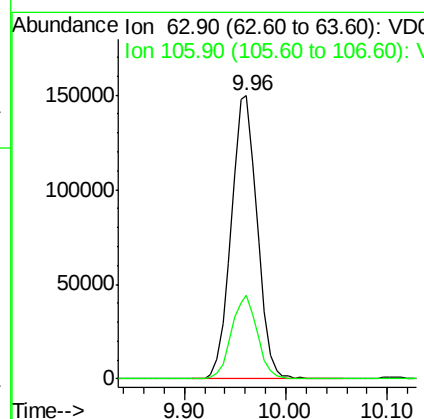
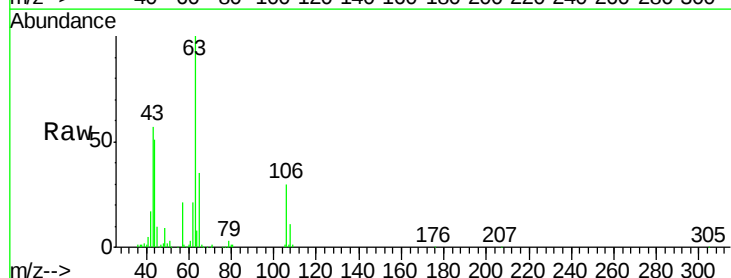
Manual Integrations
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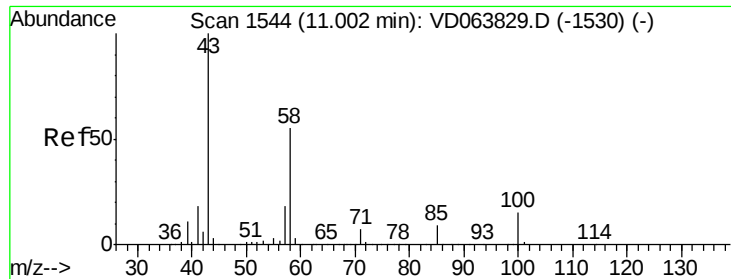
MMDadoda
 10/1/2019 9:26:10 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 244.414 ug/l
 RT: 9.96 min Scan# 1367
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion: 63 Resp: 266126
 Ion Ratio Lower Upper
 63 100
 106 29.2 23.4 35.0





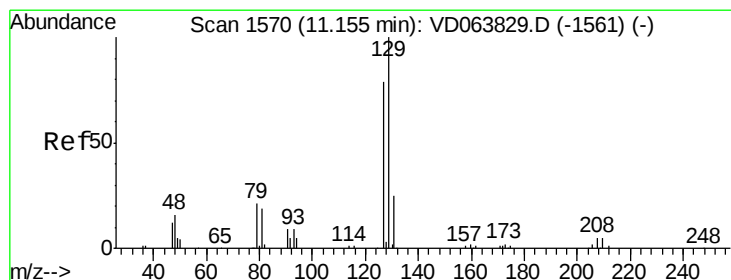
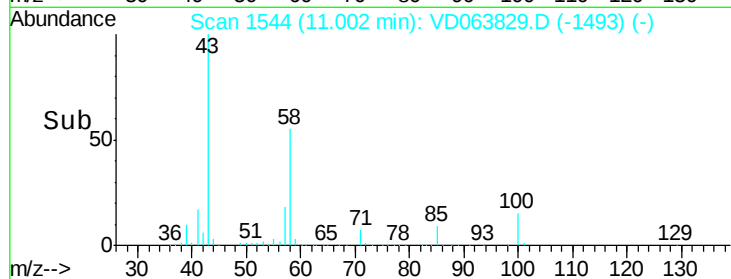
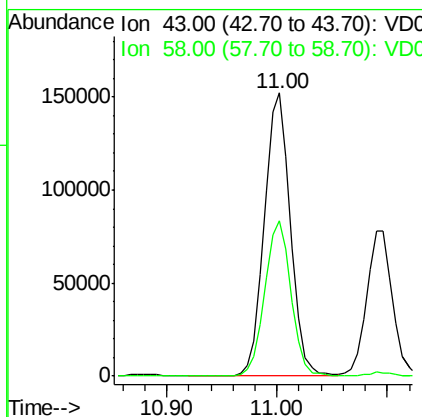
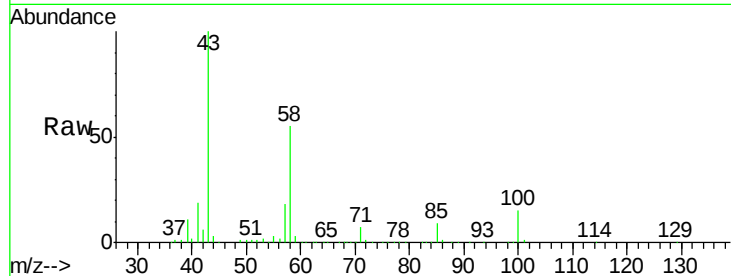
#59
2-Hexanone
Concen: 237.047 ug/l
RT: 11.00 min Scan# 1544
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion: 43 Resp: 252021
Ion Ratio Lower Upper
43 100
58 55.1 27.6 82.7

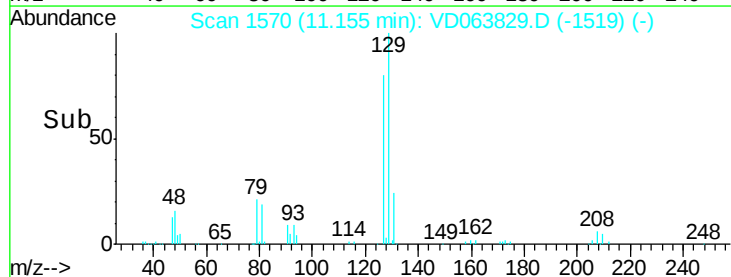
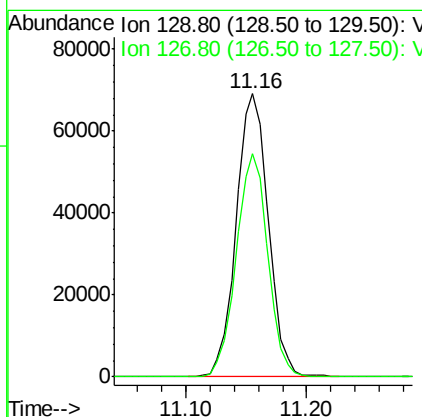
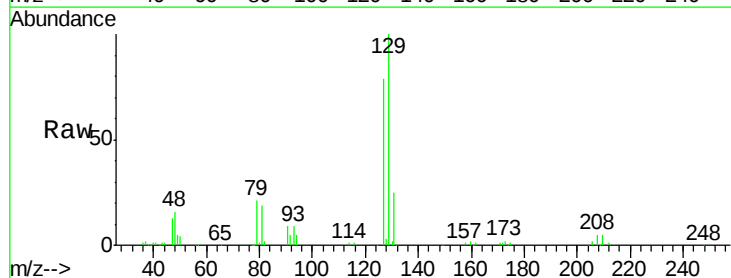
Manual Integrations
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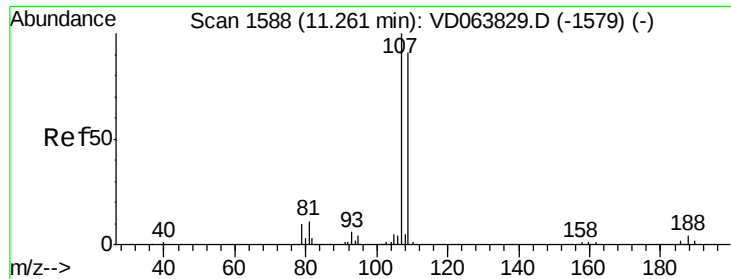
MMDadoda
10/1/2019 9:26:10 AM



#60
Dibromochloromethane
Concen: 50.572 ug/l
RT: 11.16 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion: 129 Resp: 127919
Ion Ratio Lower Upper
129 100
127 77.5 38.8 116.3





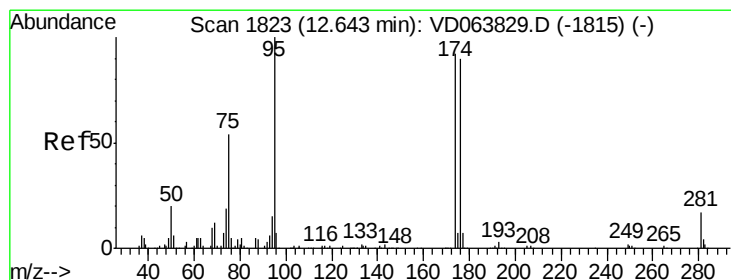
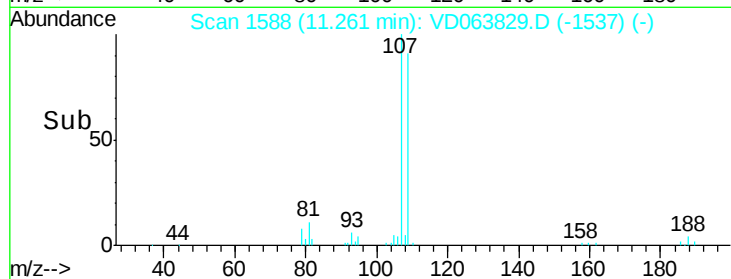
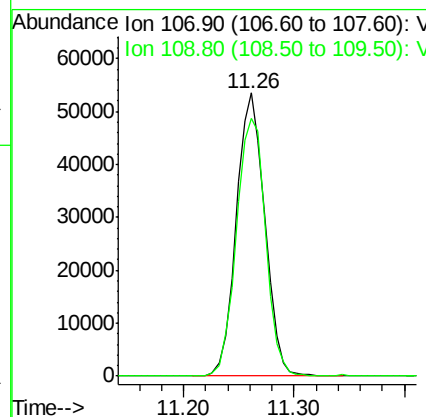
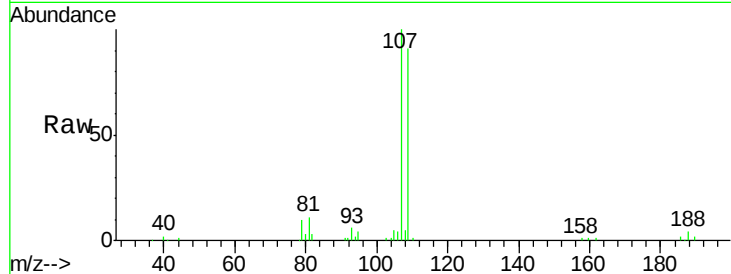
#61
 1,2-Dibromoethane
 Concen: 50.504 ug/l
 RT: 11.26 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.9	112.3

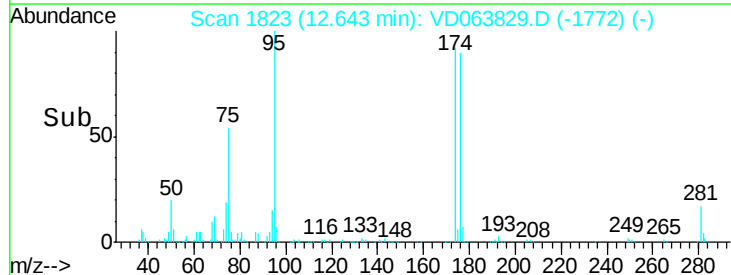
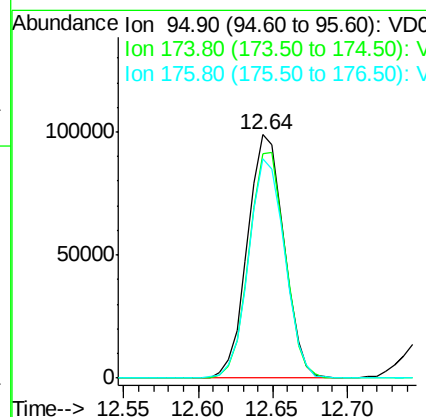
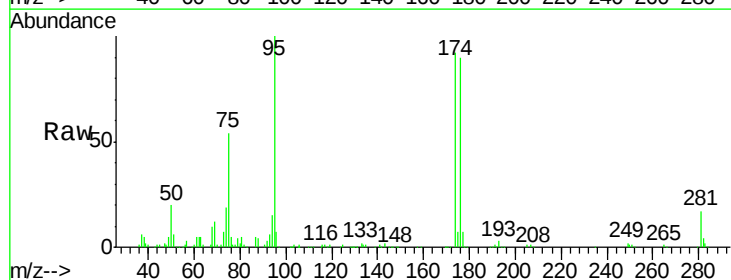
Manual Integrations
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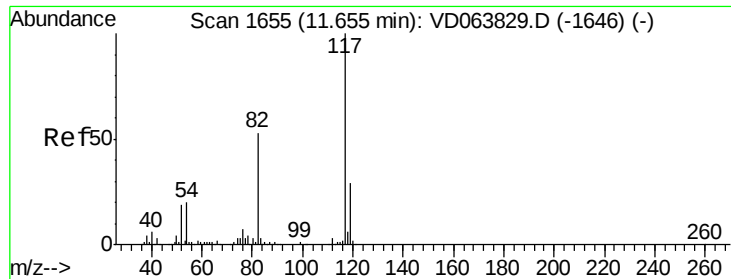
MMDadoda
 10/1/2019 9:26:10 AM



#62
 4-Bromofluorobenzene
 Concen: 50.328 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	183.2
176	88.7	0.0	177.4





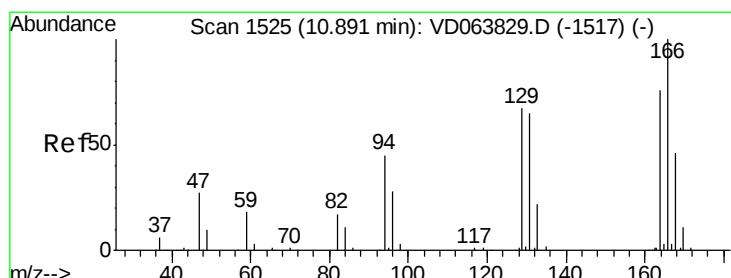
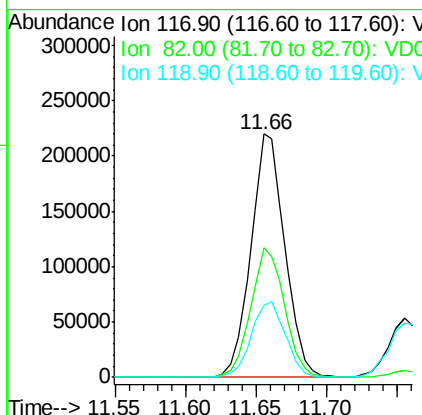
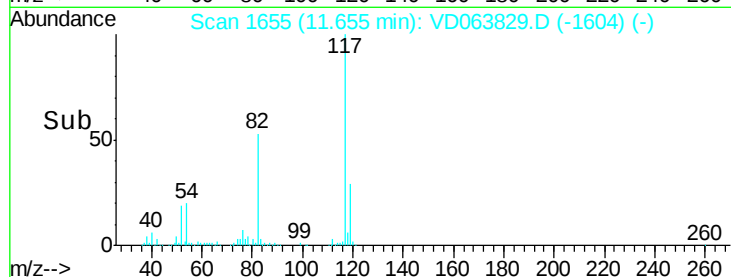
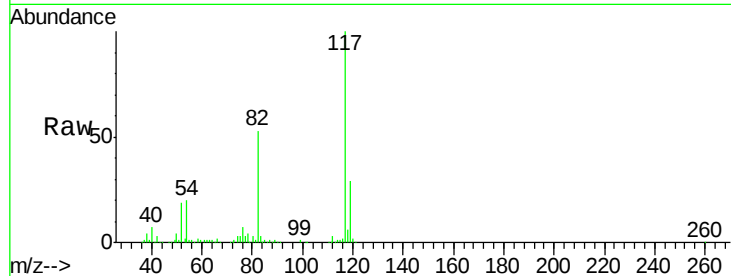
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	53.0	42.4	63.6
119	29.4	23.5	35.3

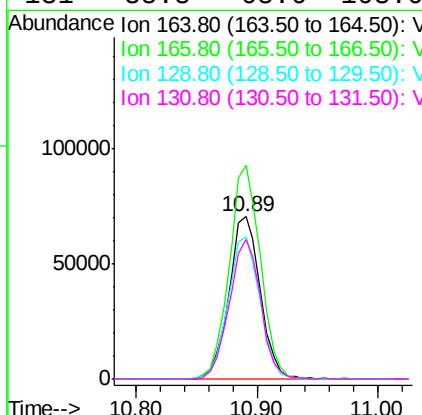
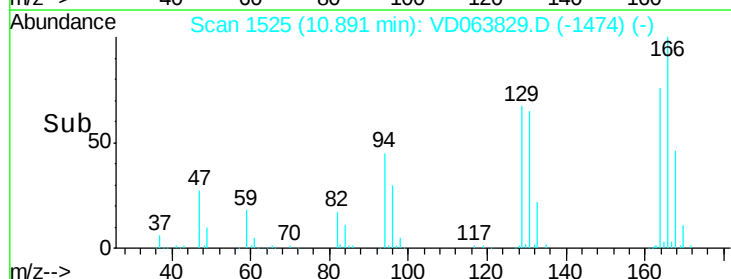
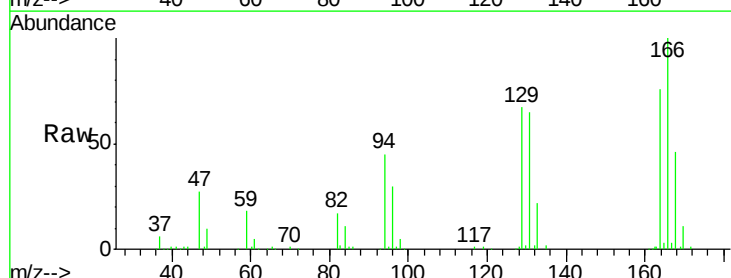
Manual Integrations
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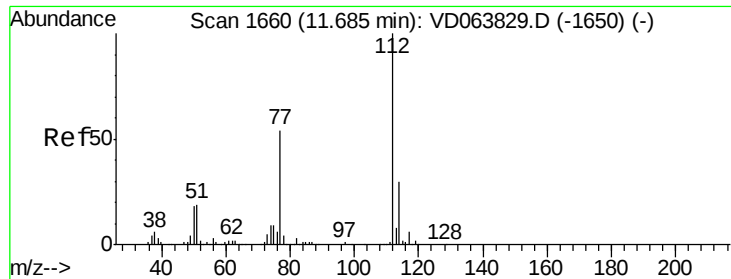
MMDadoda
10/1/2019 9:26:10 AM



#64
Tetrachloroethene
Concen: 50.524 ug/l
RT: 10.89 min Scan# 1525
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	131.9	105.5	158.3
129	87.8	70.2	105.4
131	85.8	68.6	103.0





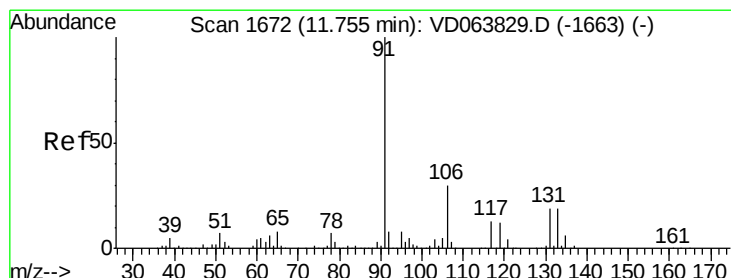
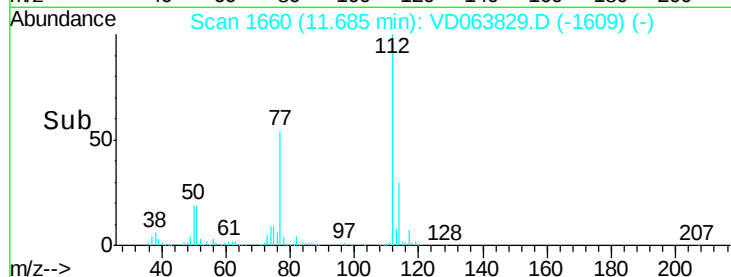
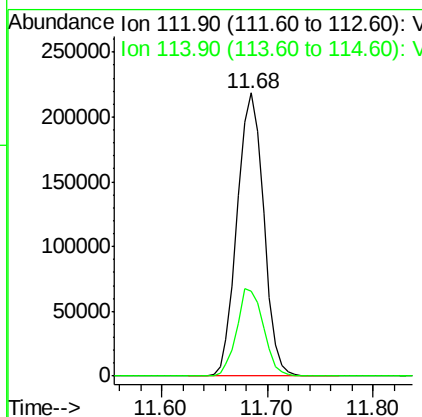
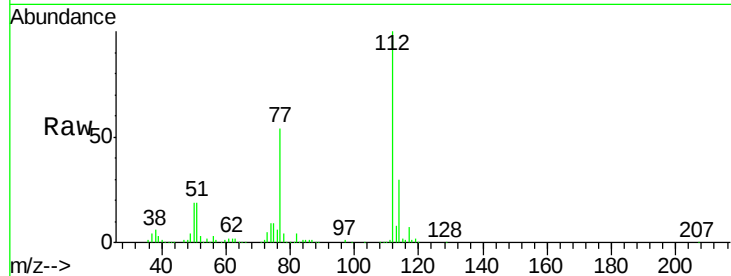
#65
Chlorobenzene
Concen: 50.866 ug/l
RT: 11.68 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	379911		
114	30.2	24.2	36.2	

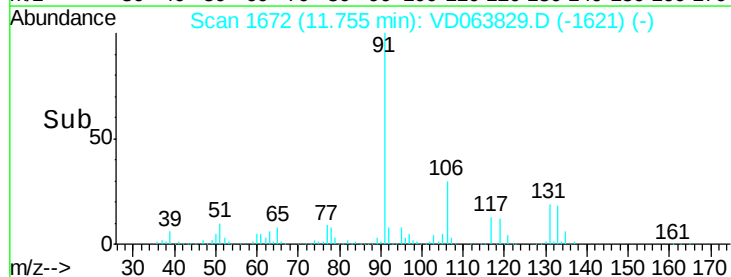
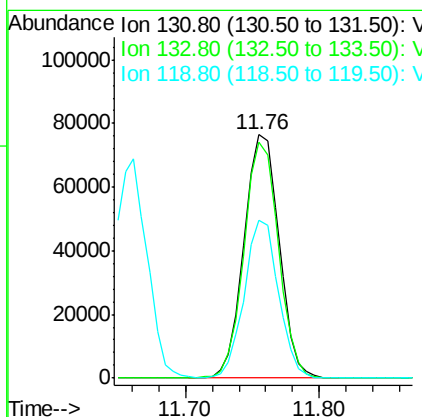
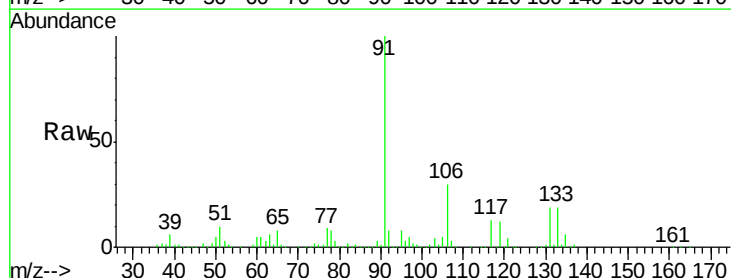
Manual Integrations
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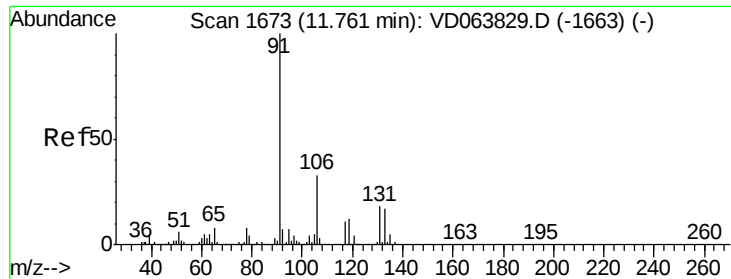
MMDadoda
10/1/2019 9:26:10 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.677 ug/l
RT: 11.76 min Scan# 1672
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	139102		
133	94.9	47.4	142.3	
119	63.2	31.6	94.8	





#67

Ethyl Benzene

Concen: 51.233 ug/l

RT: 11.76 min Scan# 1673

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 691189

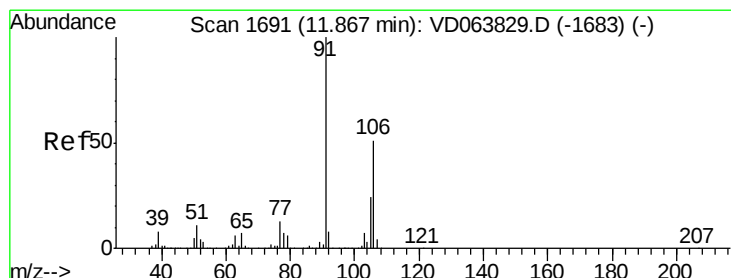
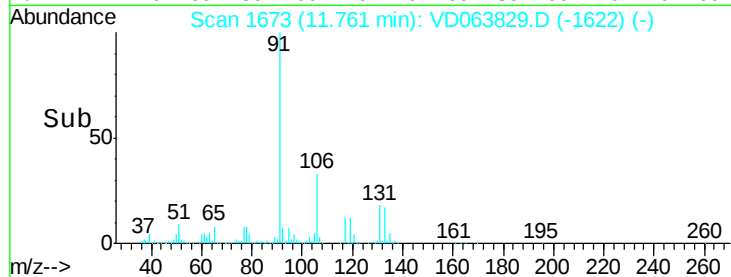
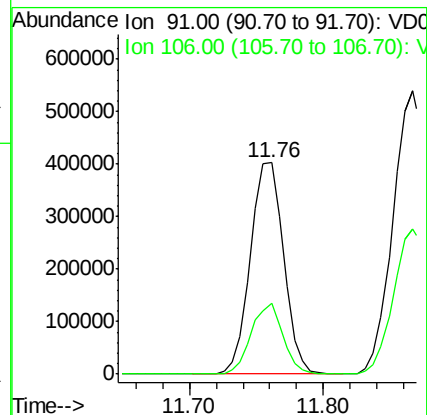
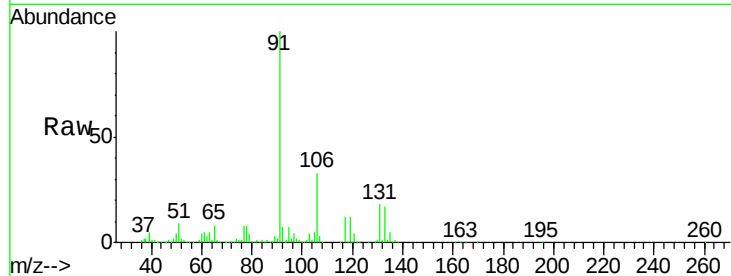
Ion Ratio Lower Upper

91 100

106 33.3 26.6 40.0

Manual Integrations
APPROVED

MMDadoda
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#68

m/p-Xylenes

Concen: 101.951 ug/l

RT: 11.87 min Scan# 1691

Delta R.T. 0.00 min

Lab File: VD063829.D

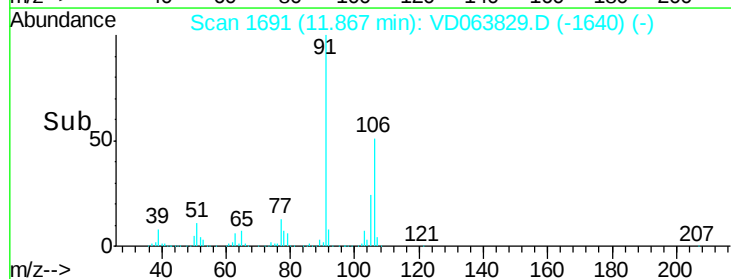
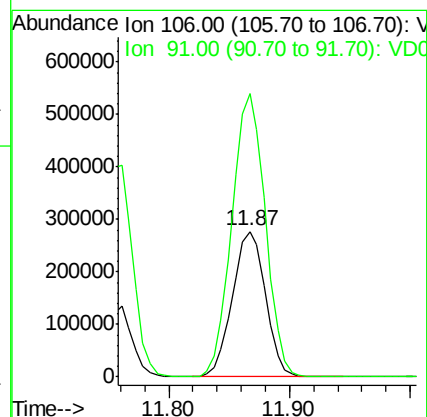
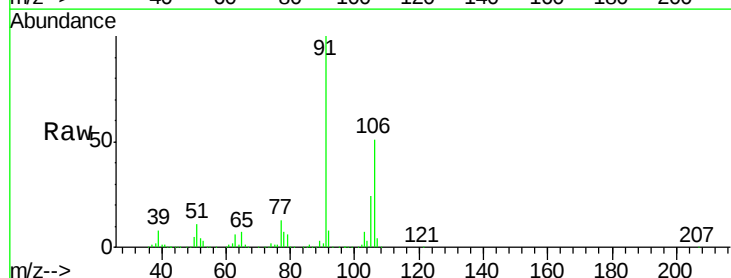
Acq: 25 Sep 2019 18:20

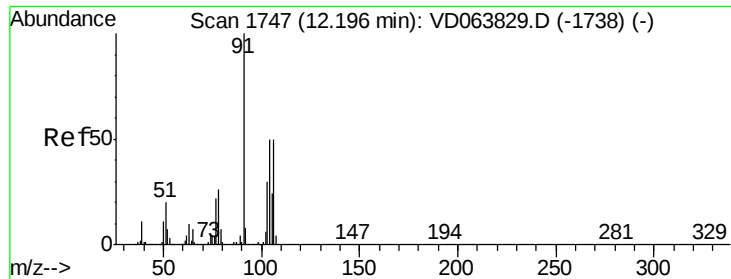
Tgt Ion: 106 Resp: 528184

Ion Ratio Lower Upper

106 100

91 197.0 157.6 236.4





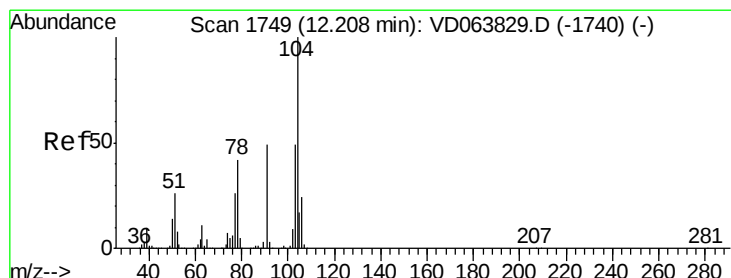
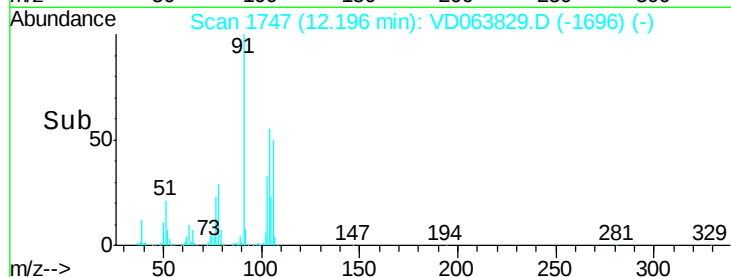
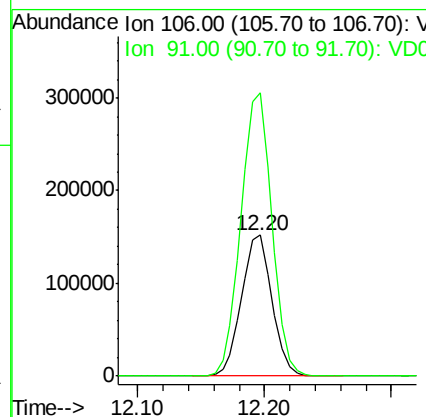
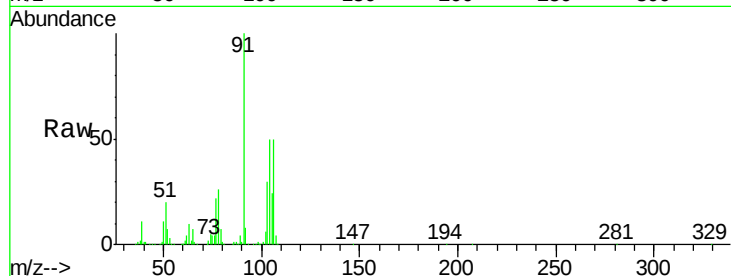
#69
o-Xylene
Concen: 51.641 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
106	100	252522		
91	204.7		102.4	307.1

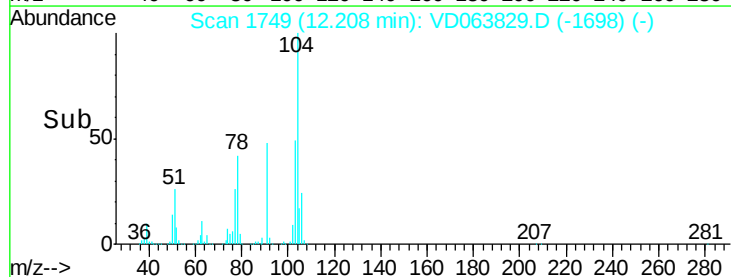
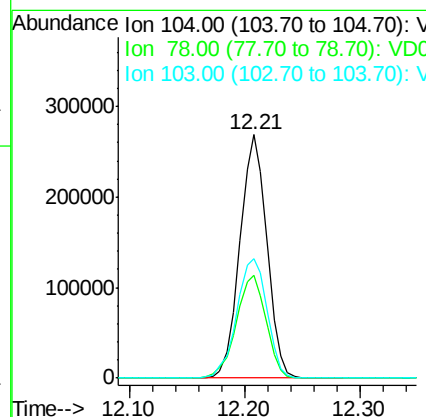
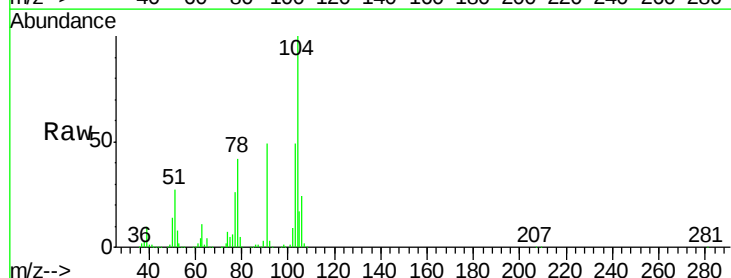
Manual Integrations
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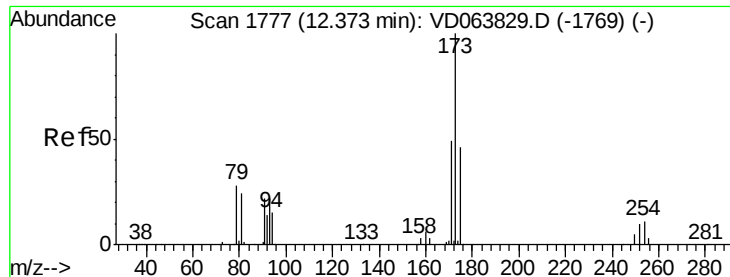
MMDadoda
10/1/2019 9:26:10 AM



#70
Styrene
Concen: 52.548 ug/l
RT: 12.21 min Scan# 1749
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	434876		
78	46.6		37.3	55.9
103	55.3		44.2	66.4





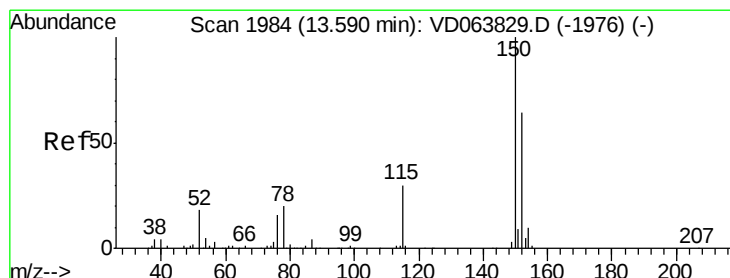
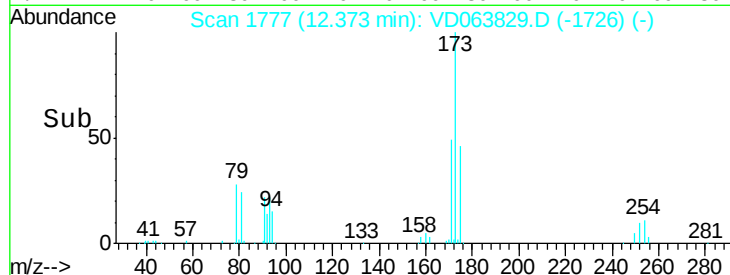
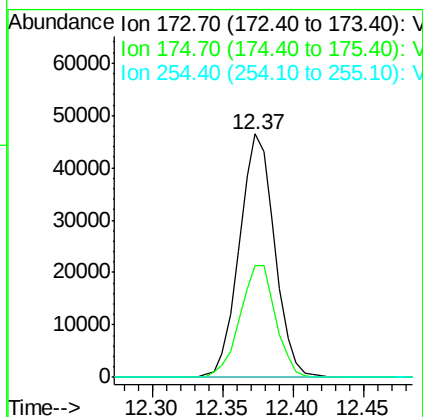
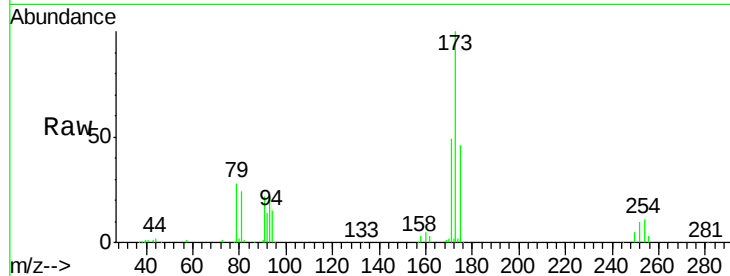
#71
Bromoform
Concen: 53.137 ug/l
RT: 12.37 min Scan# 1777
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.5	23.3	69.8
254	0.1	0.1	0.1

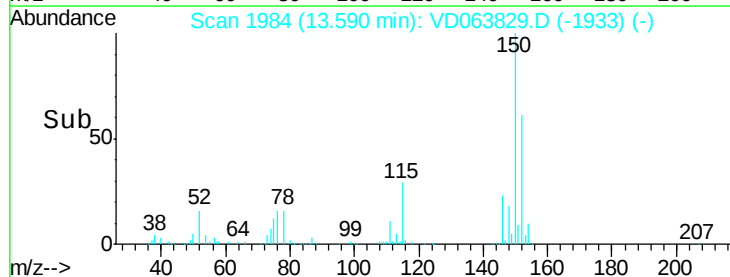
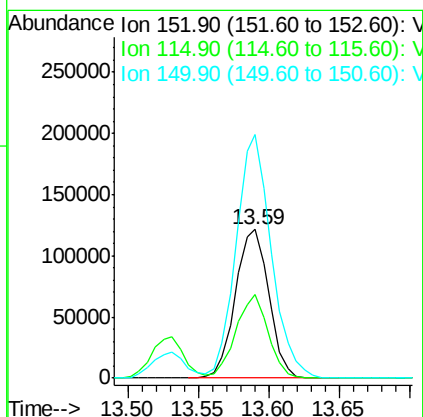
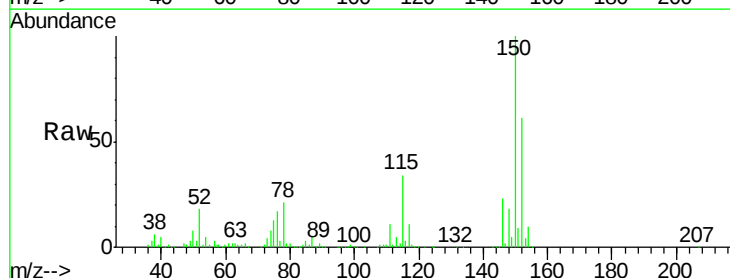
Manual Integrations
APPROVED

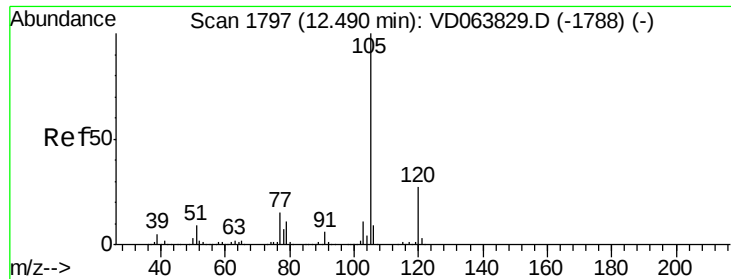
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.59 min Scan# 1984
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.0	81.0
150	172.0	0.0	344.0





#73

Isopropylbenzene

Concen: 49.823 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion:105 Resp: 684651

Ion Ratio Lower Upper

105 100

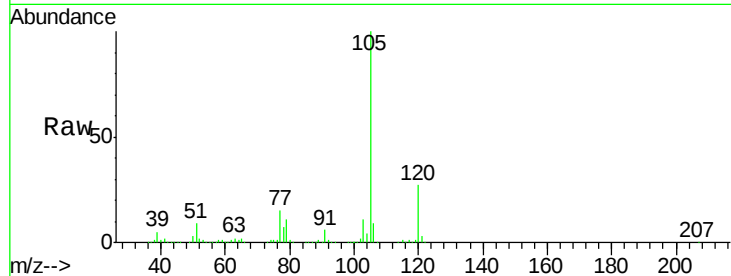
120 27.3 13.7 41.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.49

400000

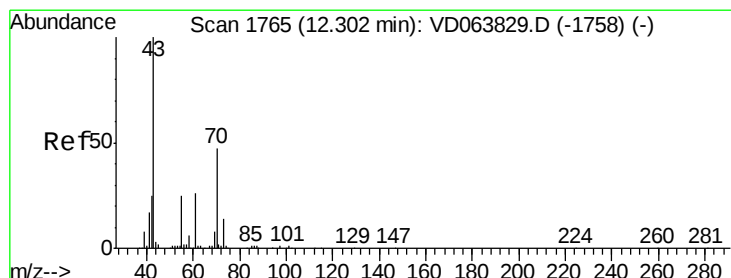
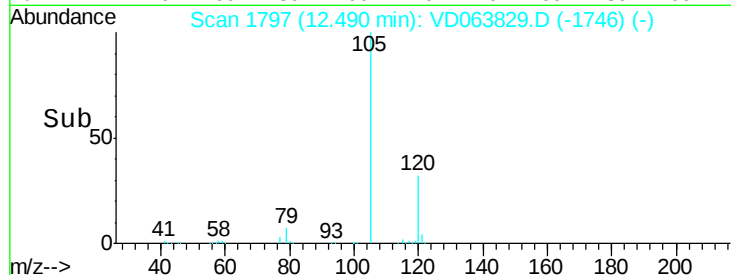
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 46.985 ug/l

RT: 12.30 min Scan# 1765

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion: 43 Resp: 141336

Ion Ratio Lower Upper

43 100

70 43.8 35.0 52.6

55 24.7 19.8 29.6

61 24.5 19.6 29.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

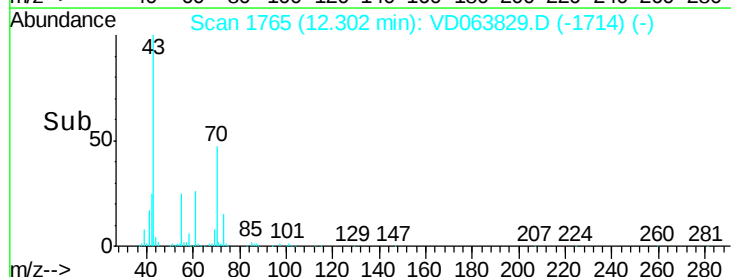
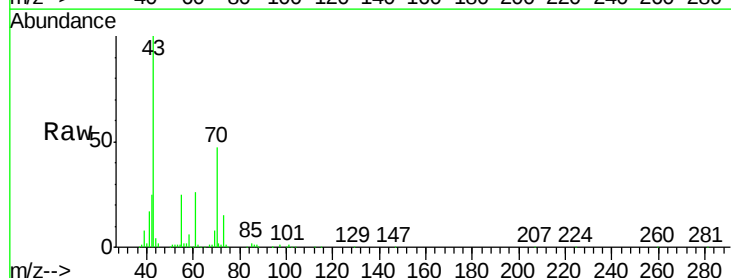
Ion 61.00 (60.70 to 61.70): VDC

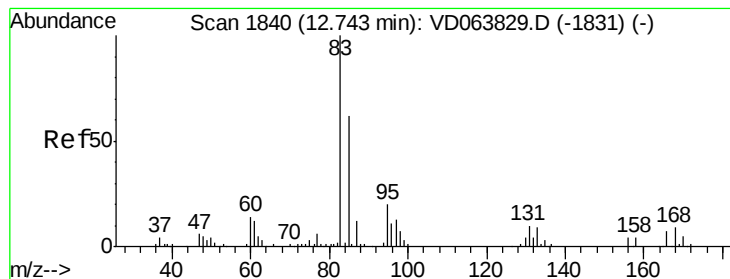
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 49.165 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

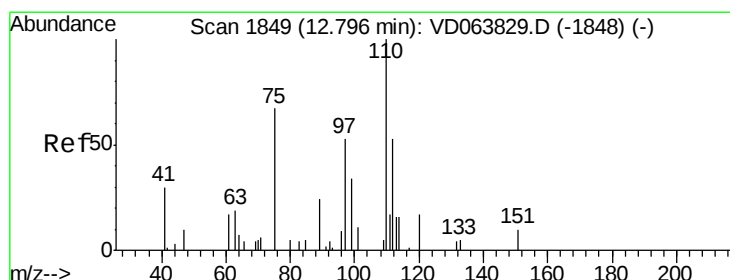
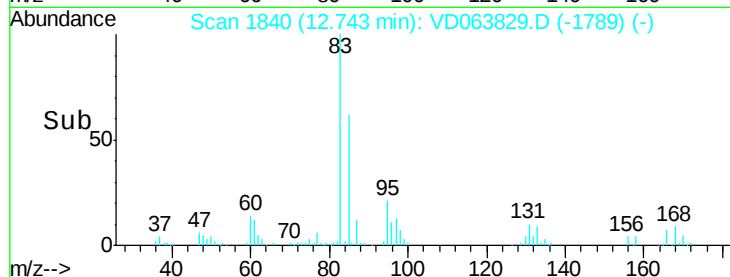
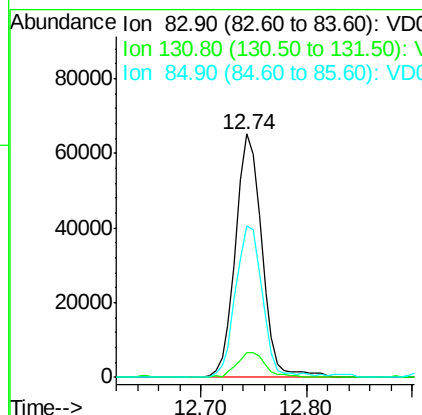
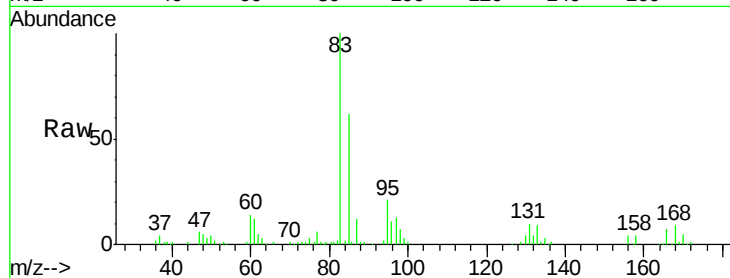
ClientSampleId :

VSTDICCC050

Tot Ion:	83	Resp:	112610
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.6	16.8
85	63.8	31.9	95.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 54.796 ug/l m

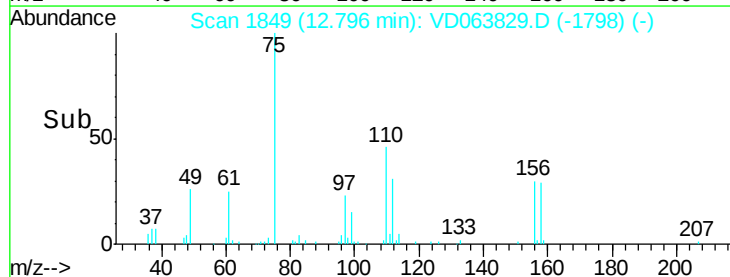
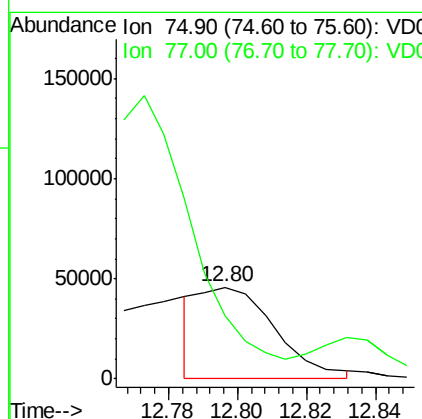
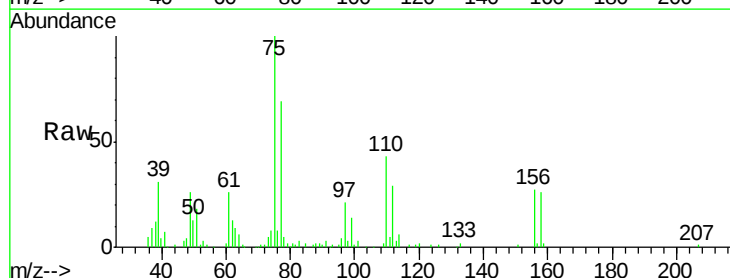
RT: 12.80 min Scan# 1849

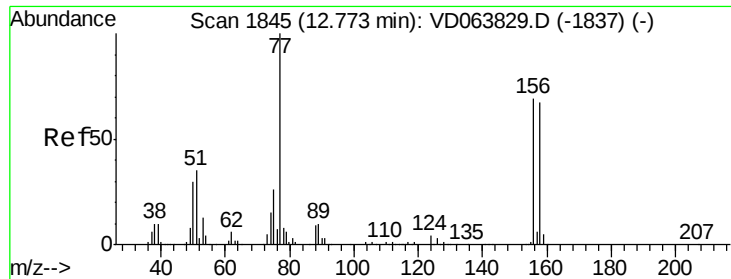
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	75	Resp:	69915
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.235 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

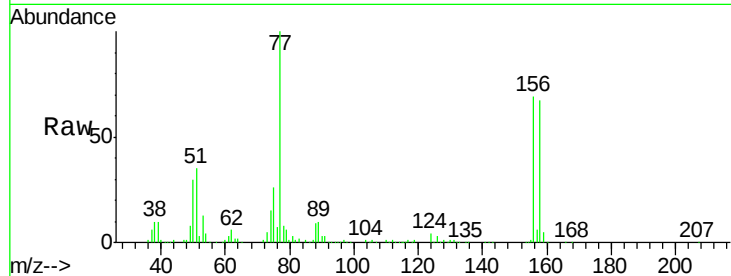
ClientSampleId :

VSTDICCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		165900		
77	159.6	79.8	239.4		
158	95.8	47.9	143.7		

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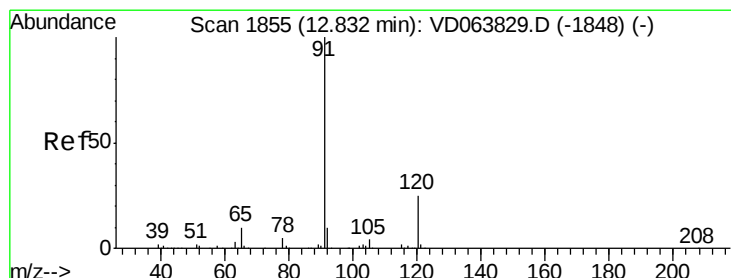
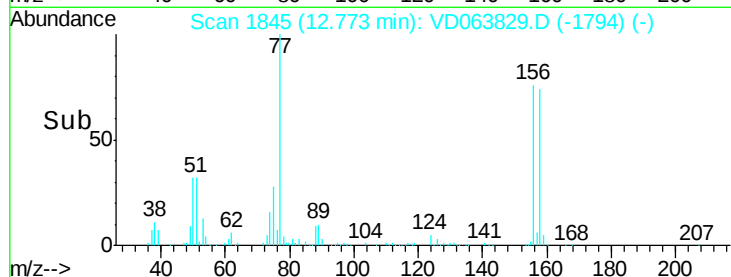
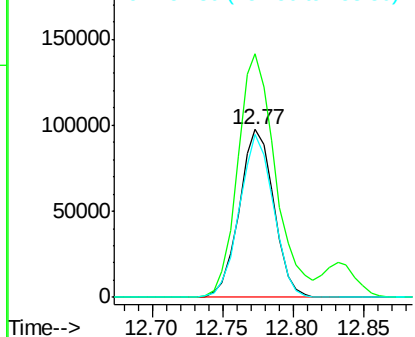
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.623 ug/l

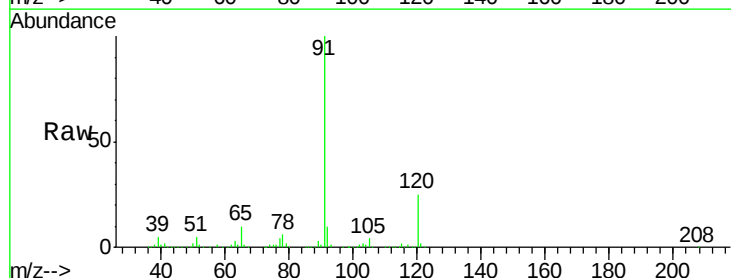
RT: 12.83 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VD063829.D

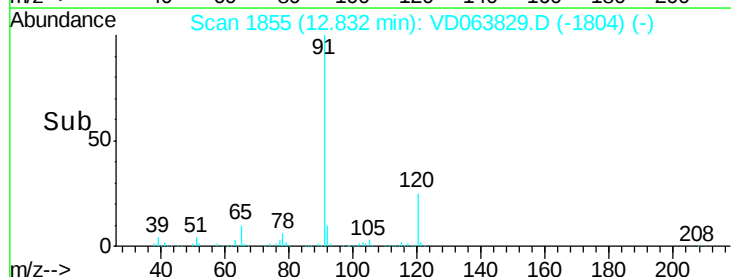
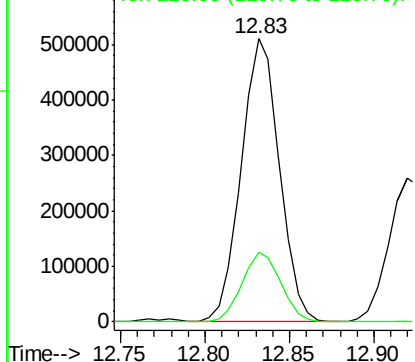
Acq: 25 Sep 2019 18:20

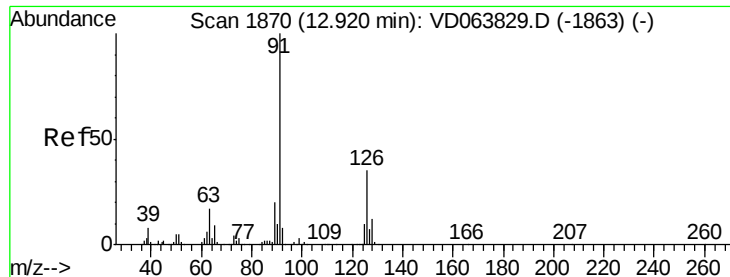
Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		802251		
120	25.0	12.5	37.5		



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.716 ug/l

RT: 12.92 min Scan# 1870

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

ClientSampleId :

VSTDICCC050

Tot Ion: 91 Resp: 442240

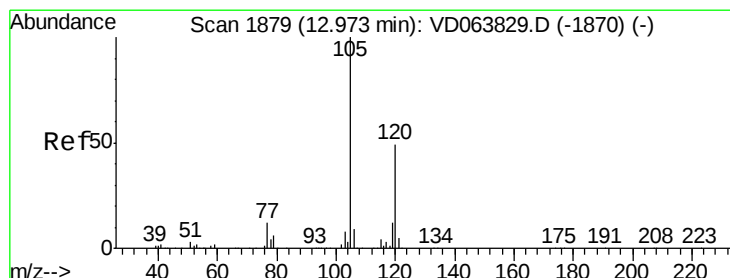
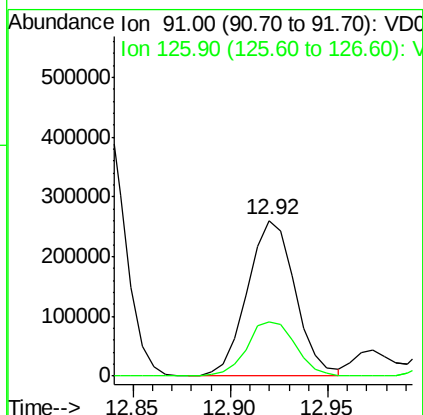
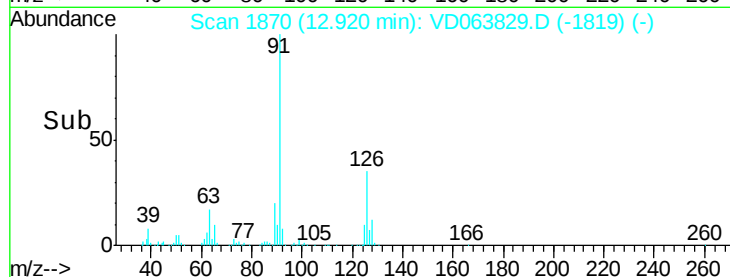
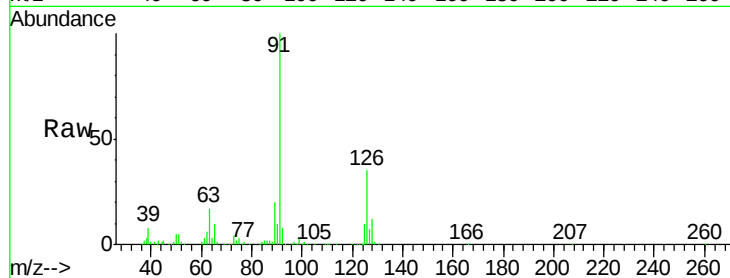
Ion Ratio Lower Upper

91 100

126 35.7 17.8 53.5

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#80

1,3,5-Trimethylbenzene

Concen: 50.574 ug/l

RT: 12.97 min Scan# 1879

Delta R.T. 0.00 min

Lab File: VD063829.D

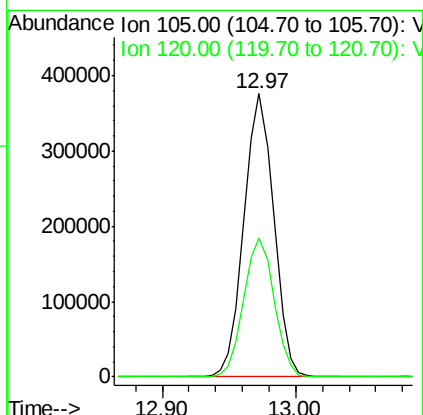
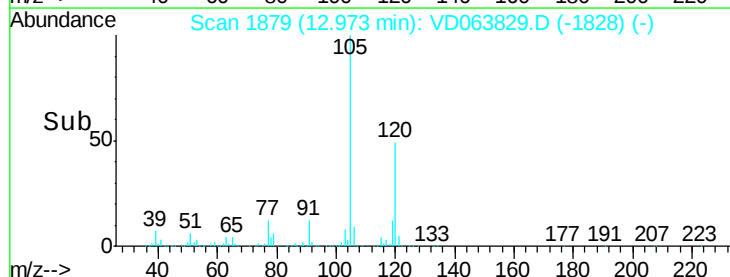
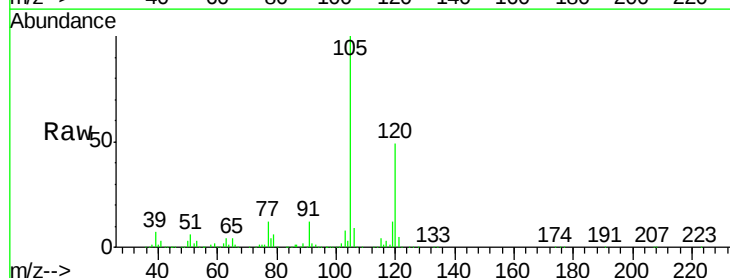
Acq: 25 Sep 2019 18:20

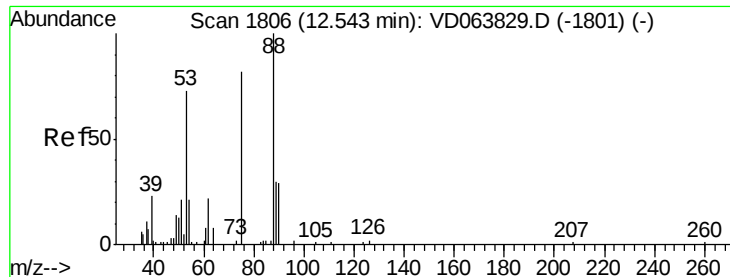
Tgt Ion: 105 Resp: 579338

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.8





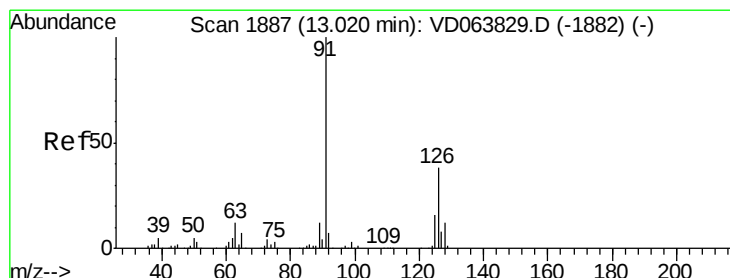
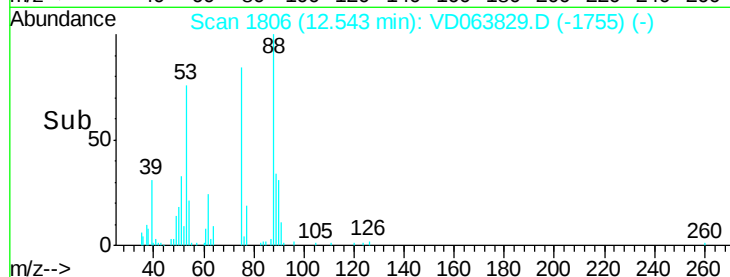
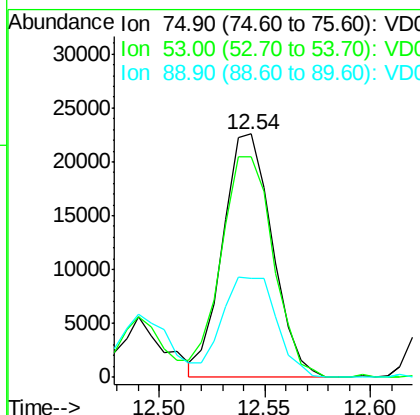
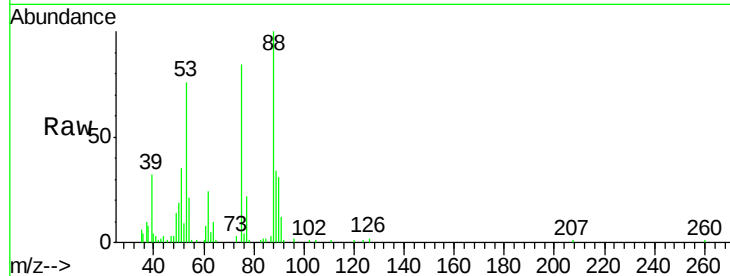
#81
trans-1,4-Dichloro-2-butene
Concen: 48.018 ug/l
RT: 12.54 min Scan# 1806
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.6	76.5	114.7
89	46.3	37.0	55.6

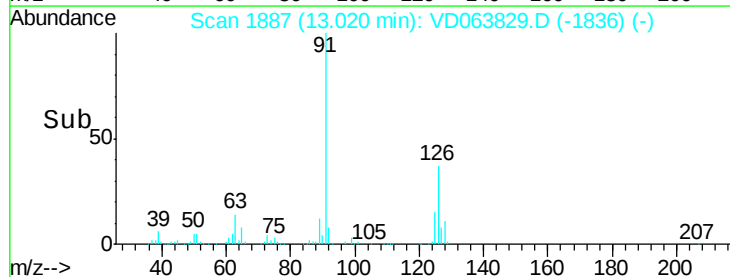
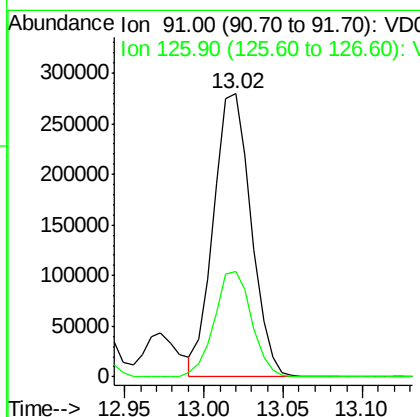
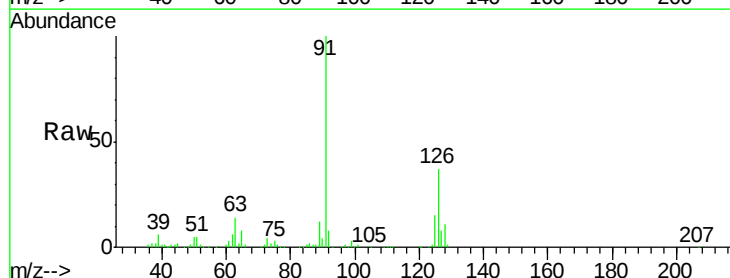
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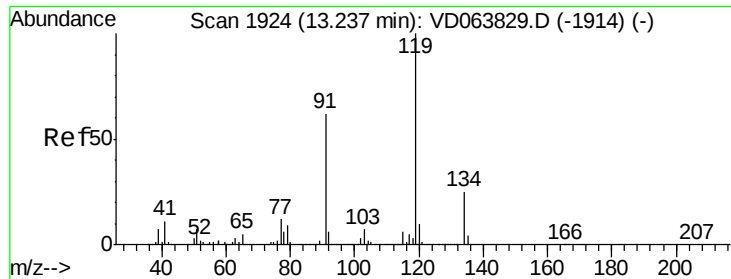
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#82
4-Chlorotoluene
Concen: 49.592 ug/l
RT: 13.02 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.1	18.6	55.6





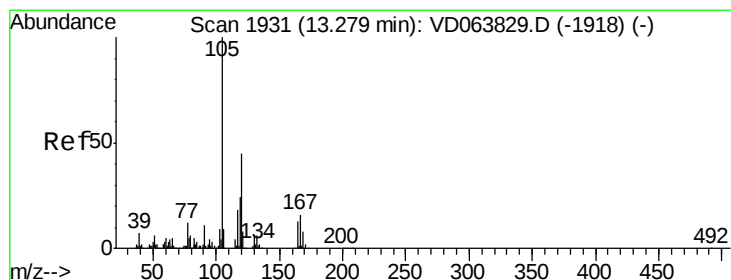
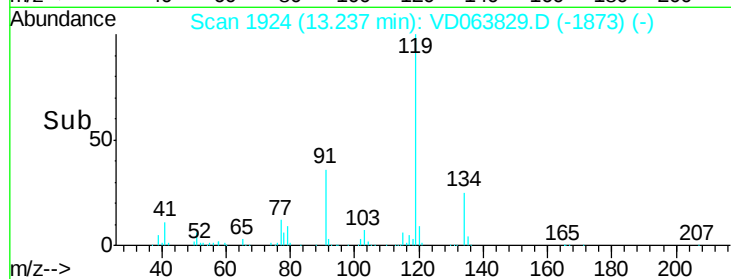
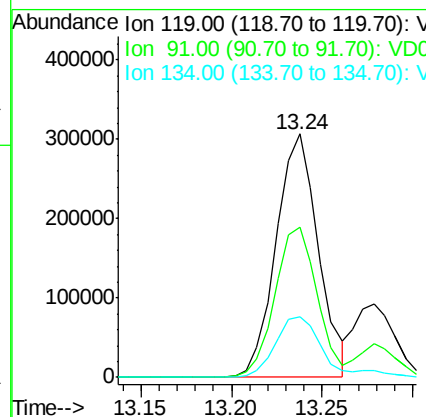
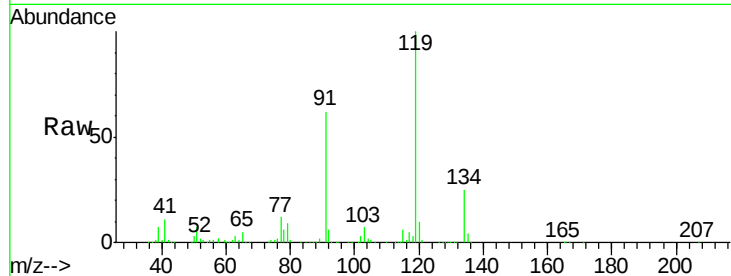
#83
tert-Butylbenzene
Concen: 49.899 ug/l
RT: 13.24 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	499453		
91	61.5		30.8	92.3
134	26.4		13.2	39.6

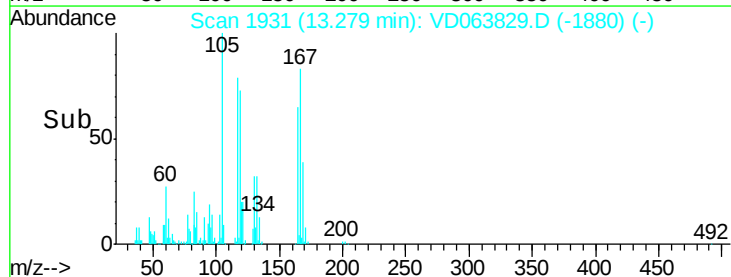
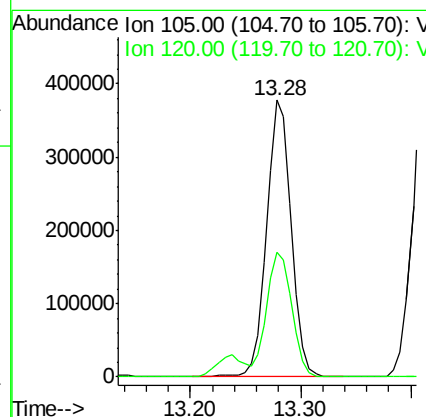
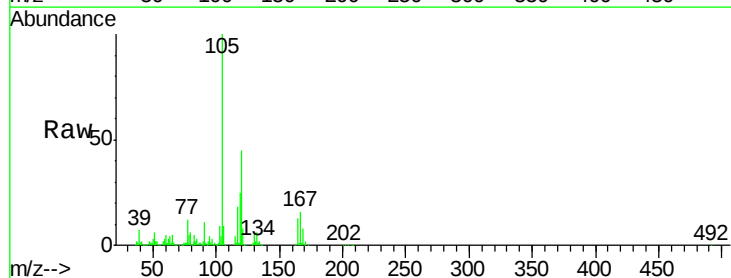
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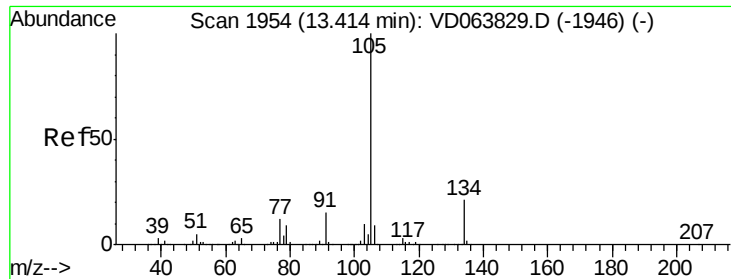
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 50.685 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	589448		
120	46.0		23.0	69.0





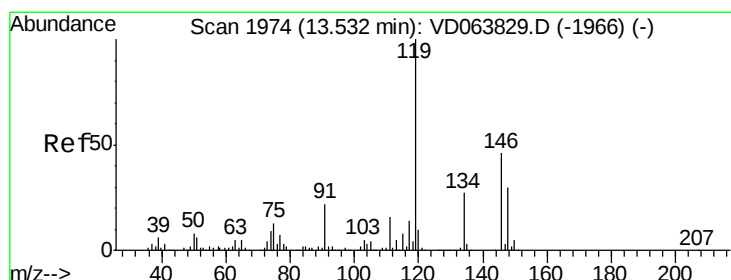
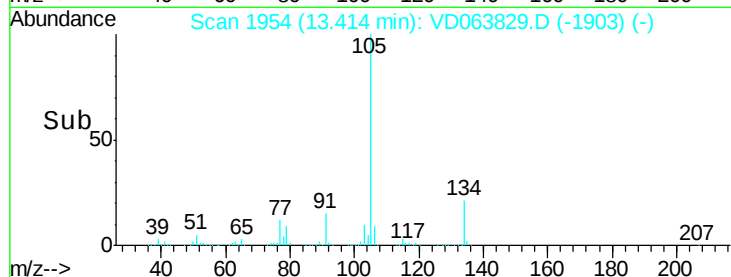
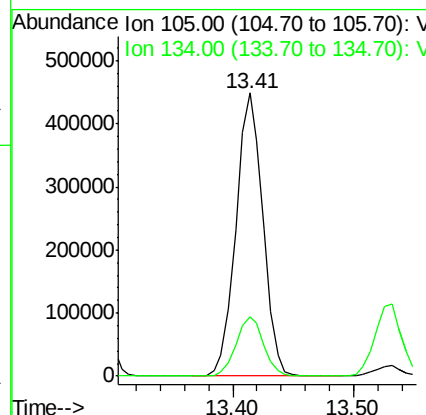
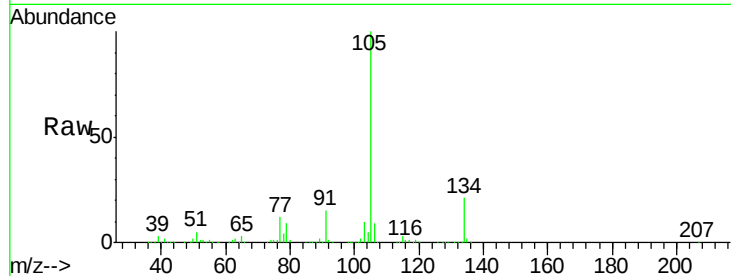
#85
 sec-Butylbenzene
 Concen: 49.970 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.3	10.7	31.9

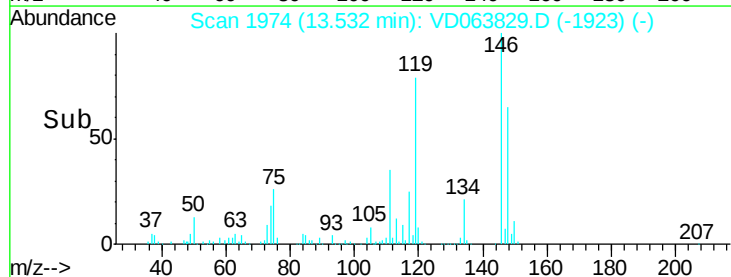
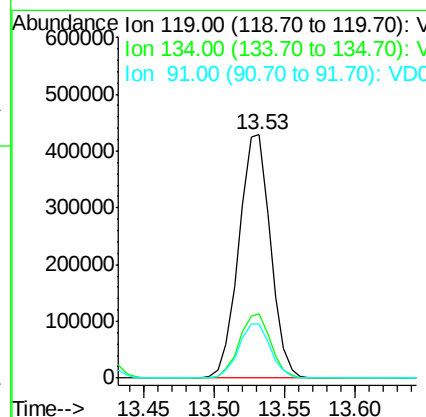
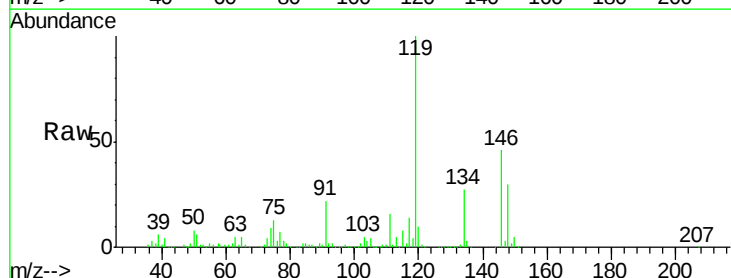
Manual Integrations
 APPROVED

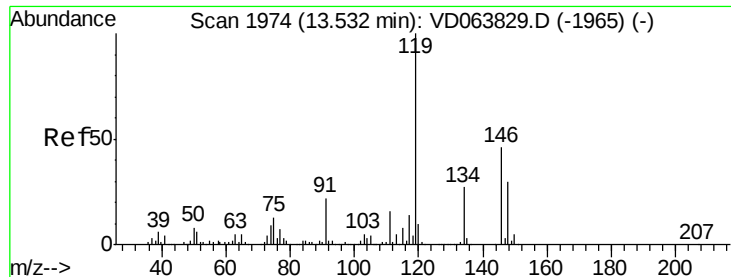
MMDadoda
 10/1/2019 9:26:10 AM



#86
 p-Isopropyltoluene
 Concen: 51.104 ug/l
 RT: 13.53 min Scan# 1974
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.2	39.6
91	22.7	11.4	34.1





#87

1,3-Dichlorobenzene

Concen: 50.851 ug/l

RT: 13.53 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

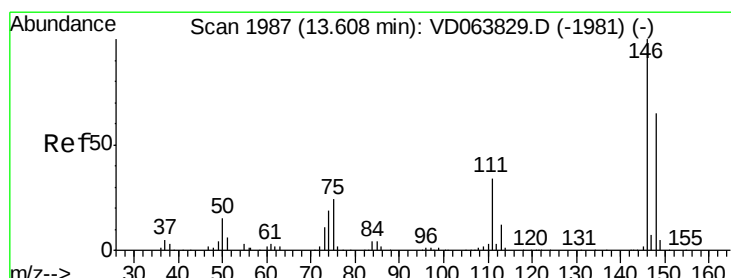
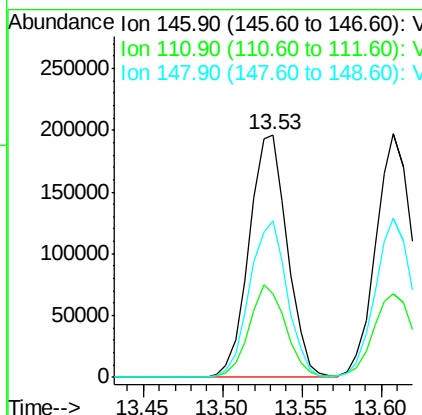
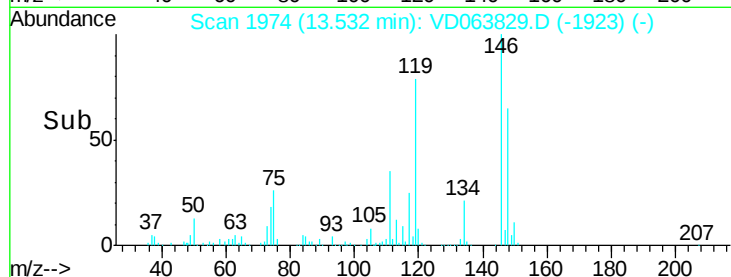
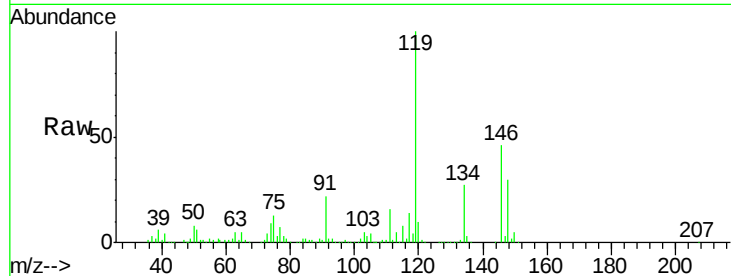
Instrument :
MSVOA_D

ClientSampled :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.3	54.8
148	63.6	31.8	95.4

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.064 ug/l

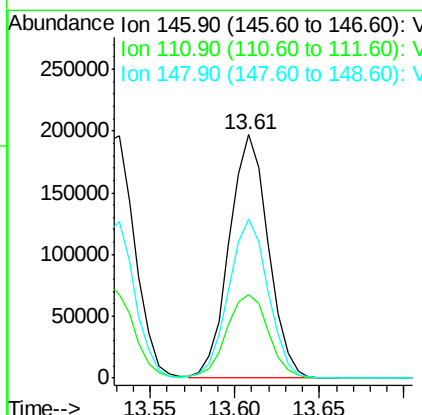
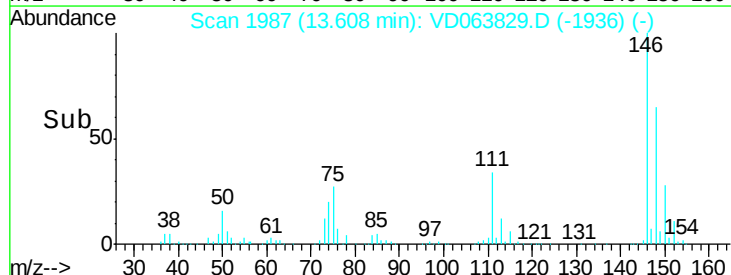
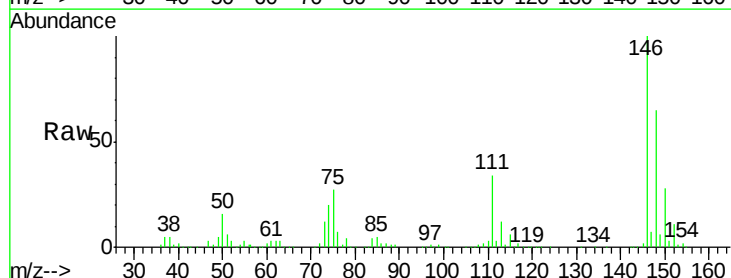
RT: 13.61 min Scan# 1987

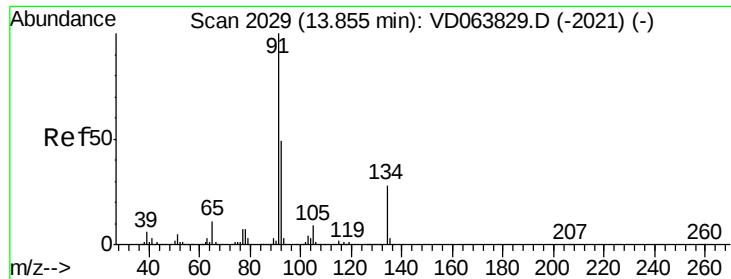
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.5	55.5
148	66.0	33.0	99.0





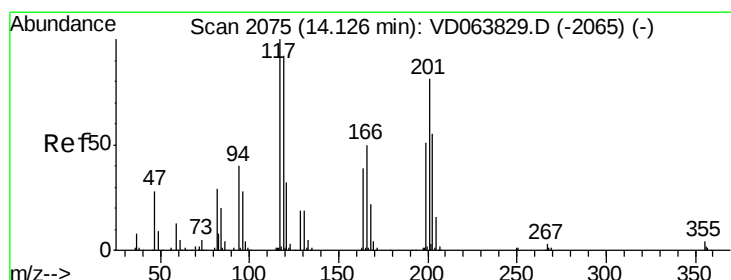
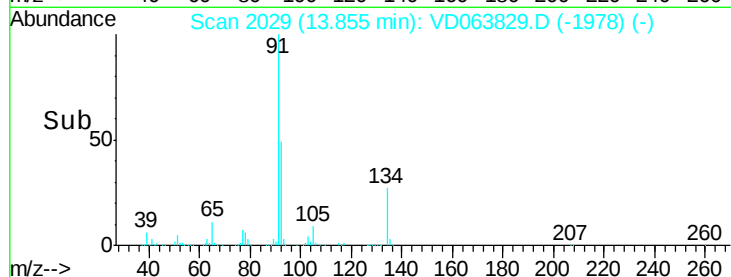
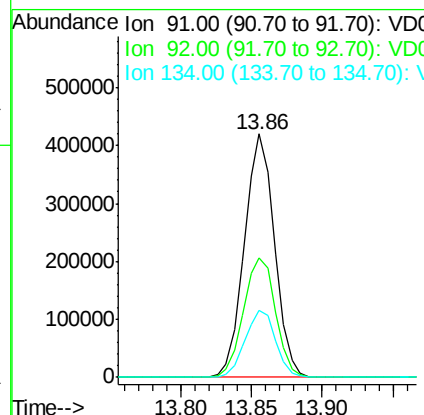
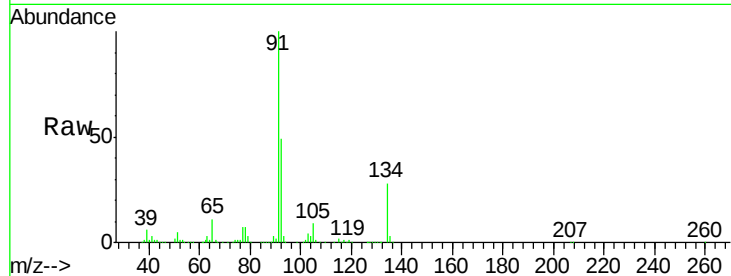
#89
n-Butylbenzene
Concen: 50.419 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Instrument :
MSVOA_D
ClientSampleId :
VSTDICCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.1	26.1	78.2
134	27.9	14.0	41.9

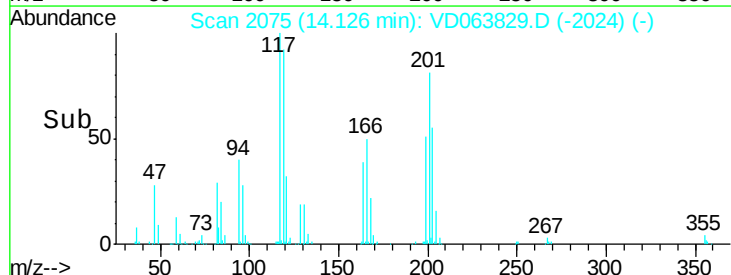
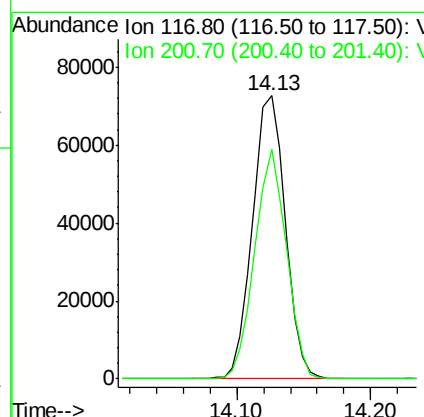
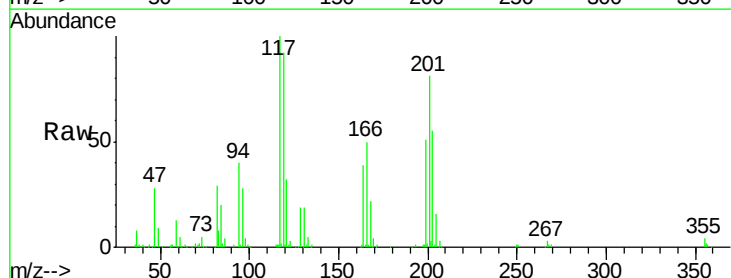
Manual Integrations
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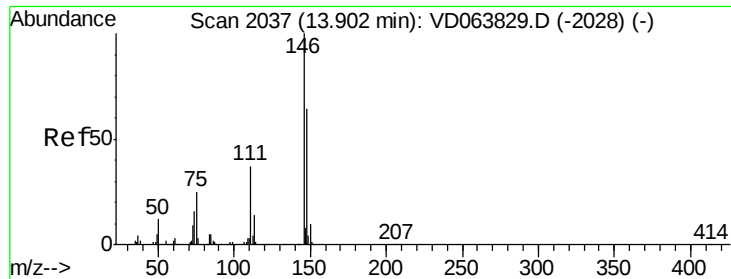
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#90
Hexachloroethane
Concen: 50.895 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.00 min
Lab File: VD063829.D
Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.5	39.3	117.8





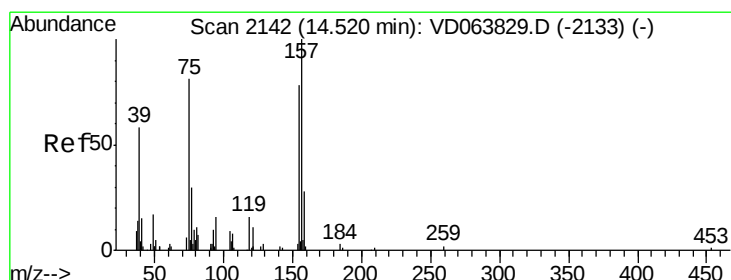
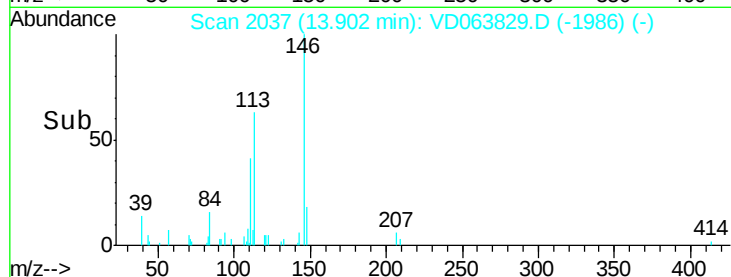
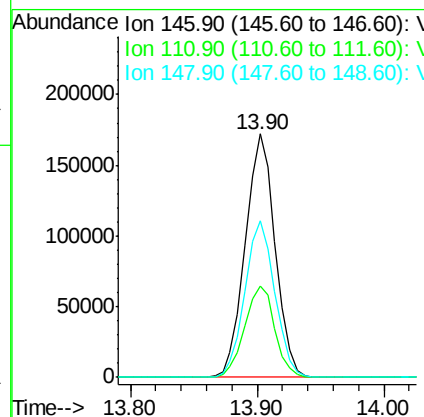
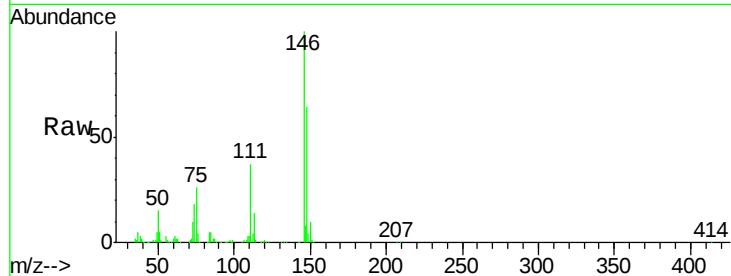
#91
 1,2-Dichlorobenzene
 Concen: 50.662 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	281776		
111	37.8	18.9	56.7	
148	64.4	32.2	96.6	

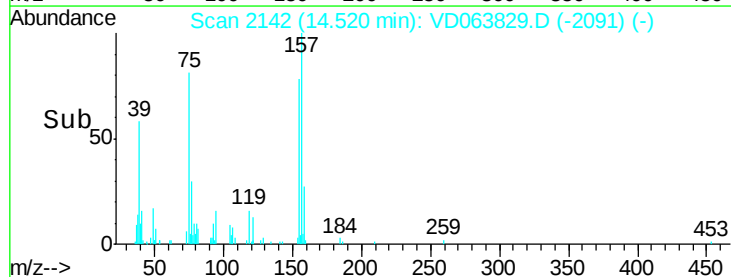
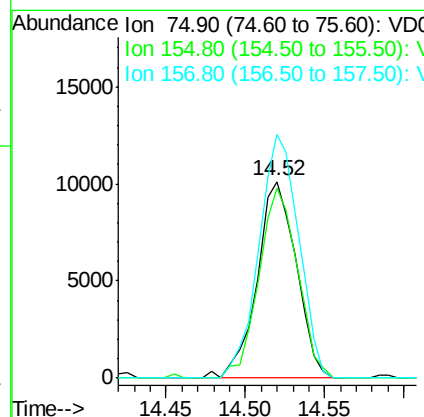
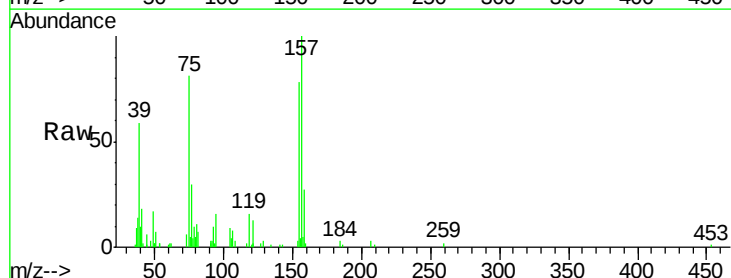
Manual Integrations
 APPROVED

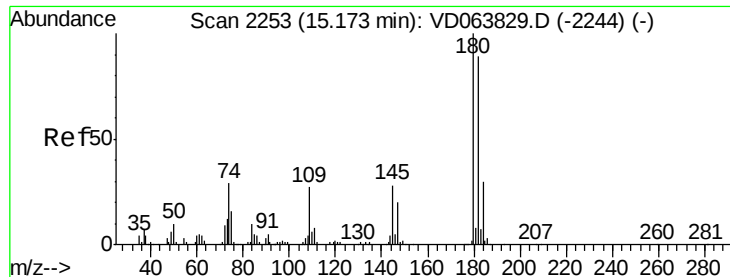
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.902 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD063829.D
 Acq: 25 Sep 2019 18:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	17353		
155	96.0	48.0	144.0	
157	126.5	63.2	189.8	





#93

1,2,4-Trichlorobenzene

Concen: 51.586 ug/l

RT: 15.17 min Scan# 2253

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

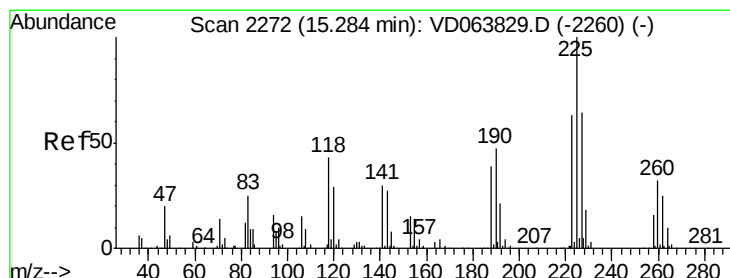
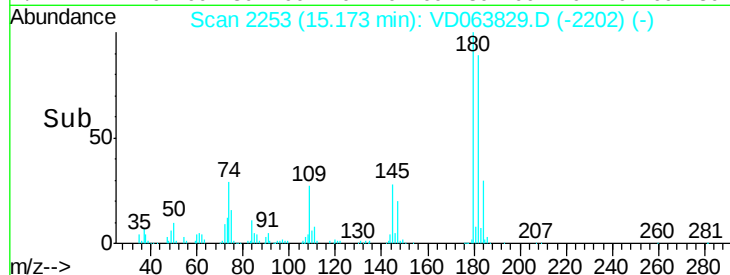
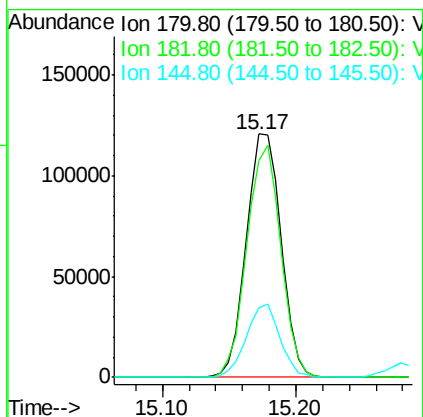
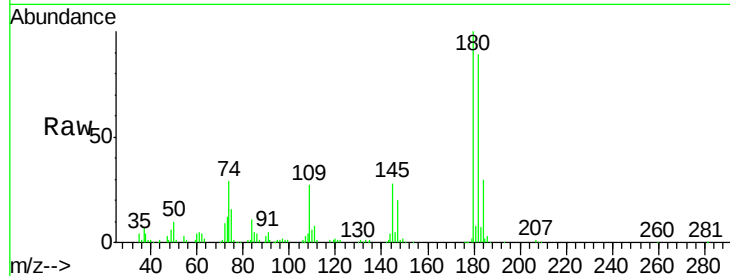
ClientSampleId :

VSTDICCC050

Tot Ion:	180	Resp:	217884
Ion Ratio	Lower	Upper	
180	100		
182	93.0	46.5	139.5
145	28.9	14.4	43.4

Manual Integrations
APPROVED

MMDadoda
10/1/2019 9:26:10 AM



#94

Hexachlorobutadiene

Concen: 51.245 ug/l

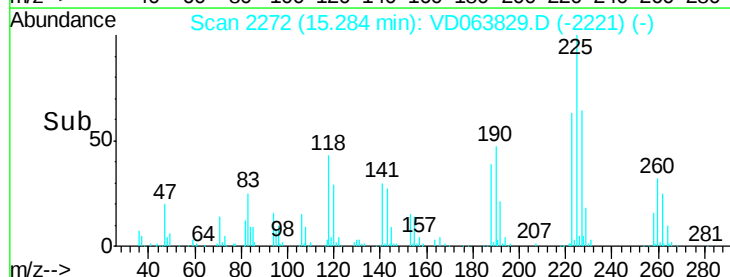
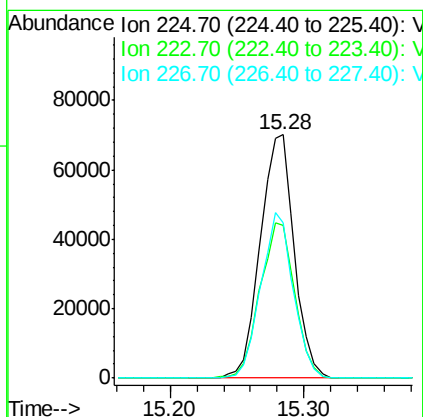
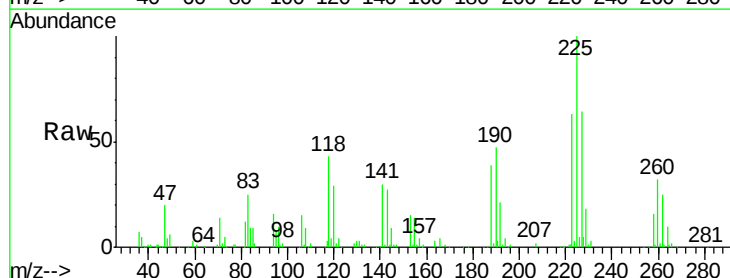
RT: 15.28 min Scan# 2272

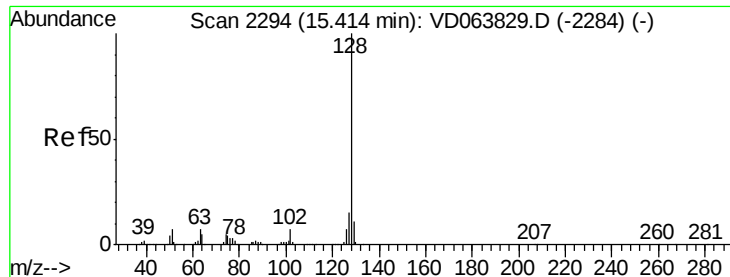
Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	225	Resp:	122636
Ion Ratio	Lower	Upper	
225	100		
223	65.5	32.8	98.3
227	65.5	32.8	98.3





#95

Naphthalene

Concen: 49.796 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Instrument :

MSVOA_D

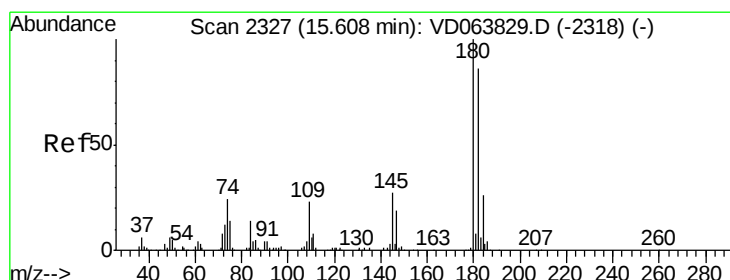
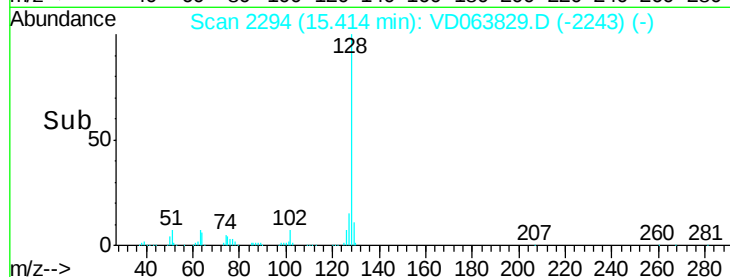
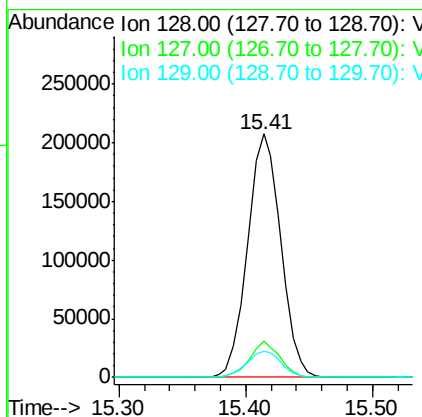
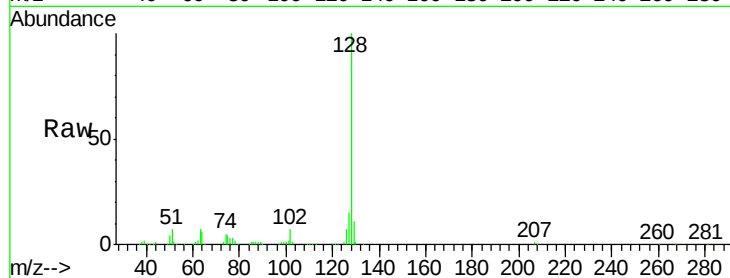
ClientSampleId :

VSTDICCC050

Tot Ion:	128	Resp:	377696
Ion Ratio	Lower	Upper	
128	100		
127	13.5	10.8	16.2
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
10/1/2019 9:26:10 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.825 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD063829.D

Acq: 25 Sep 2019 18:20

Tgt Ion:	180	Resp:	190323
Ion Ratio	Lower	Upper	
180	100		
182	93.1	46.6	139.7
145	29.0	14.5	43.5

