

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065606.D
 Acq On : 09 Apr 2020 10:40
 Operator : VA/SY
 Sample : VSTDIC005
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:32 PM

Quant Time: Apr 10 01:38:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040920S.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 10 01:11:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	430782	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	640935	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	592833	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	302821	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	23773	5.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.68%	
35) Dibromofluoromethane	7.92	113	25253	5.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	11.28%	
50) Toluene-d8	10.34	98	85403	5.22	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.44%	
62) 4-Bromofluorobenzene	12.64	95	27778	5.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	10.58%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	21699	5.586	ug/l	95
3) Chloromethane	2.21	50	27541	5.701	ug/l	99
4) Vinyl Chloride	2.35	62	24615	5.450	ug/l	99
5) Bromomethane	2.77	94	19254	6.045	ug/l	93
6) Chloroethane	2.92	64	15574	5.599	ug/l	99
7) Trichlorofluoromethane	3.27	101	39254	5.730	ug/l	97
8) Diethyl Ether	3.71	74	7120	5.031	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	25484	5.691	ug/l	98
10) Methyl Iodide	4.29	142	19651	4.459	ug/l	99
11) Tert butyl alcohol	5.24	59	5586m	26.919	ug/l	
12) 1,1-Dichloroethene	4.06	96	22898	5.544	ug/l	94
13) Acrolein	3.92	56	7219	25.286	ug/l	99
14) Allyl chloride	4.71	41	31714	5.176	ug/l	96
15) Acrylonitrile	5.44	53	20922	25.067	ug/l	97
16) Acetone	4.16	43	20911	28.424	ug/l	97
17) Carbon Disulfide	4.40	76	75980	5.529	ug/l	99
18) Methyl Acetate	4.73	43	11356	5.259	ug/l	91
19) Methyl tert-butyl Ether	5.48	73	37158	4.654	ug/l	93
20) Methylene Chloride	4.97	84	30380	6.247	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	24637	5.256	ug/l	91
22) Diisopropyl ether	6.37	45	52122	4.426	ug/l #	90
23) Vinyl Acetate	6.31	43	129712m	21.436	ug/l	
24) 1,1-Dichloroethane	6.26	63	42940	5.481	ug/l	98
25) 2-Butanone	7.23	43	25090	24.916	ug/l	94
26) 2,2-Dichloropropane	7.21	77	39270	5.601	ug/l	95
27) cis-1,2-Dichloroethene	7.21	96	23772	4.955	ug/l	94
28) Bromochloromethane	7.55	49	16602	5.280	ug/l	97
29) Tetrahydrofuran	7.57	42	14643	23.141	ug/l	96
30) Chloroform	7.71	83	44084	5.374	ug/l	99
31) Cyclohexane	7.99	56	41798	5.751	ug/l #	86
32) 1,1,1-Trichloroethane	7.90	97	41346	5.577	ug/l	97
36) 1,1-Dichloropropene	8.11	75	33814	5.124	ug/l	97
37) Ethyl Acetate	7.30	43	11812	4.821	ug/l #	93
38) Carbon Tetrachloride	8.10	117	38439	5.365	ug/l	94

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Manual Integrations
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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	34875	4.669	ug/l	95
40) Benzene	8.36	78	95675	5.075	ug/l	98
41) Methacrylonitrile	7.54	41	6474	4.521	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	26847	5.098	ug/l	99
43) Isopropyl Acetate	8.46	43	20095	4.495	ug/l	94
44) Trichloroethene	9.11	130	28044	5.176	ug/l	99
45) 1,2-Dichloropropane	9.39	63	23140	5.041	ug/l	98
46) Dibromomethane	9.48	93	12421	5.034	ug/l	97
47) Bromodichloromethane	9.67	83	32779	5.066	ug/l	96
48) Methyl methacrylate	9.46	41	8910	4.298	ug/l #	90
49) 1,4-Dioxane	9.47	88	2154	82.423	ug/l #	82
51) 4-Methyl-2-Pentanone	10.23	43	49815	21.625	ug/l	95
52) Toluene	10.41	92	57504	4.824	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	26556	4.624	ug/l	100
54) cis-1,3-Dichloropropene	10.10	75	32300	4.593	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	17137	4.949	ug/l	91
56) Ethyl methacrylate	10.67	69	12998	3.722	ug/l #	88
57) 1,3-Dichloropropane	10.96	76	28512	4.971	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	38632	21.064	ug/l	98
59) 2-Hexanone	10.99	43	31403	20.512	ug/l	94
60) Dibromochloromethane	11.14	129	22930	4.972	ug/l	100
61) 1,2-Dibromoethane	11.25	107	16069	4.882	ug/l	97
64) Tetrachloroethene	10.88	164	26002	5.514	ug/l	98
65) Chlorobenzene	11.68	112	68241	5.315	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	25631	5.240	ug/l	99
67) Ethyl Benzene	11.75	91	101541	4.789	ug/l	98
68) m/p-Xylenes	11.86	106	76767	9.178	ug/l	98
69) o-Xylene	12.18	106	31609	4.386	ug/l	99
70) Styrene	12.20	104	53109	4.168	ug/l	97
71) Bromoform	12.36	173	14228	5.187	ug/l #	100
73) Isopropylbenzene	12.48	105	86721	4.495	ug/l	99
74) N-amyl acetate	12.30	43	15550	4.069	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	18312	5.163	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	9564m	2.351	ug/l	
77) Bromobenzene	12.77	156	27342	5.169	ug/l	96
78) n-propylbenzene	12.83	91	103557	4.447	ug/l	99
79) 2-Chlorotoluene	12.91	91	63900	4.788	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	72134	4.436	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	4310	4.111	ug/l #	77
82) 4-Chlorotoluene	13.01	91	70104	4.880	ug/l	100
83) tert-Butylbenzene	13.23	119	59830	4.400	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	69842	4.322	ug/l	98
85) sec-Butylbenzene	13.41	105	87075	4.500	ug/l	99
86) p-Isopropyltoluene	13.53	119	77523	4.342	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	53147	5.210	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	54566	5.356	ug/l	93
89) n-Butylbenzene	13.85	91	75403	4.679	ug/l	95
90) Hexachloroethane	14.12	117	21233	5.451	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	44097	5.081	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	3145	5.748	ug/l	88

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ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC005

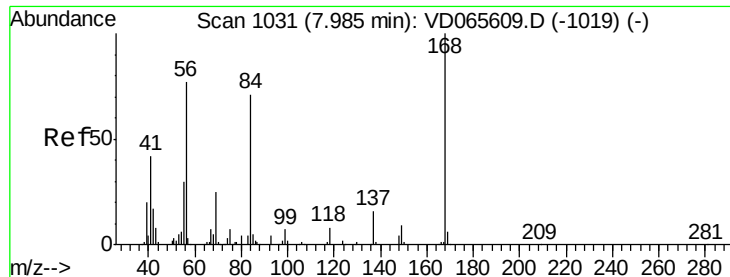
Manual Integrations
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4/10/2020 2:58:32 PM

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Quant Title : SW846 8260
QLast Update : Fri Apr 10 01:11:51 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	28141	4.937	ug/l	98
94) Hexachlorobutadiene	15.28	225	21384	5.397	ug/l	99
95) Naphthalene	15.41	128	36154	4.377	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	23851	4.834	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:168 Resp: 430782

Ion Ratio Lower Upper

168 100

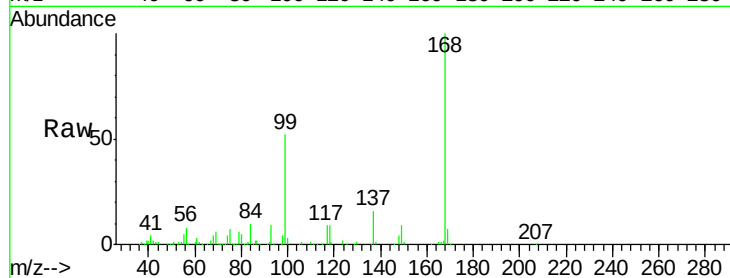
99 52.2 40.2 60.2

Manual Integrations

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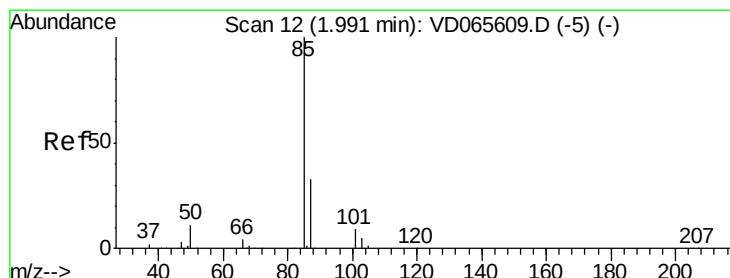
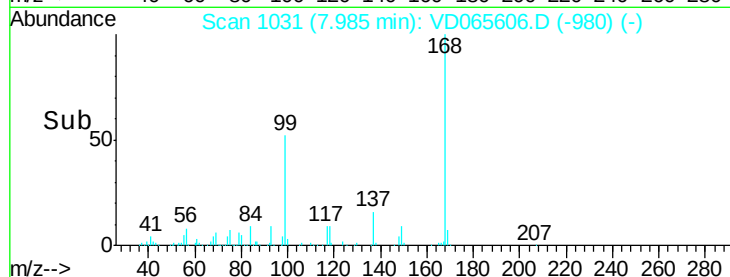
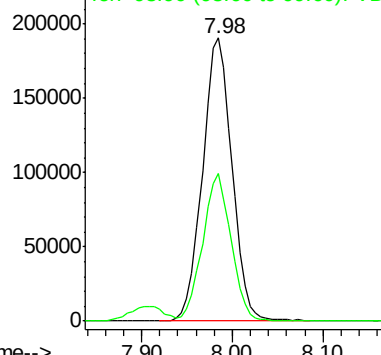
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 5.586 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065606.D

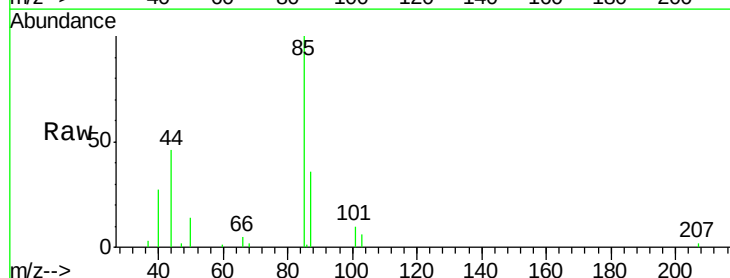
Acq: 09 Apr 2020 10:40

Tgt Ion: 85 Resp: 21699

Ion Ratio Lower Upper

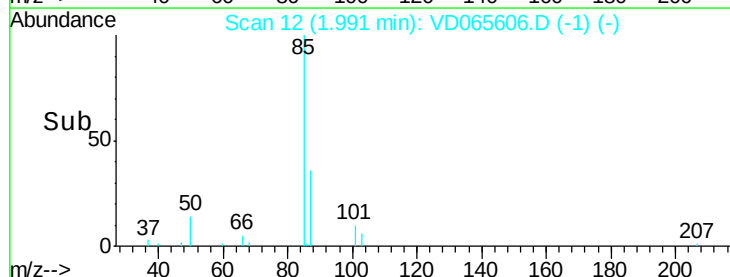
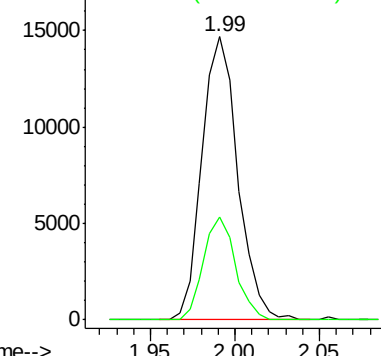
85 100

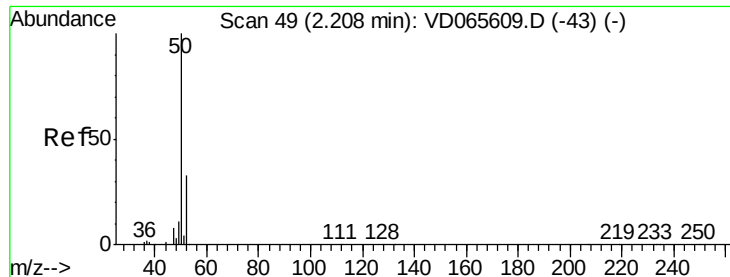
87 36.2 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 5.701 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 50 Resp: 27541

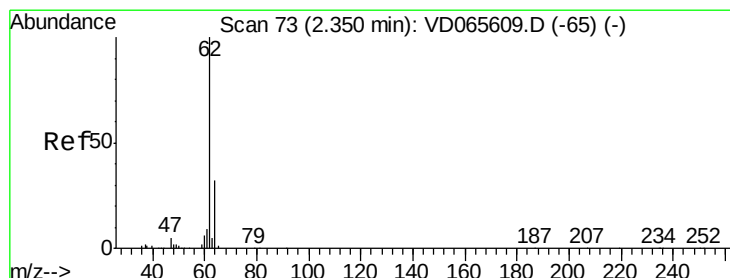
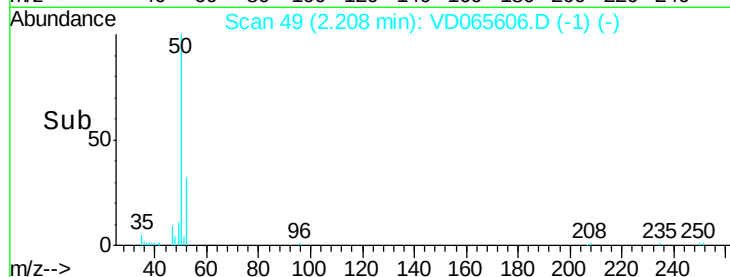
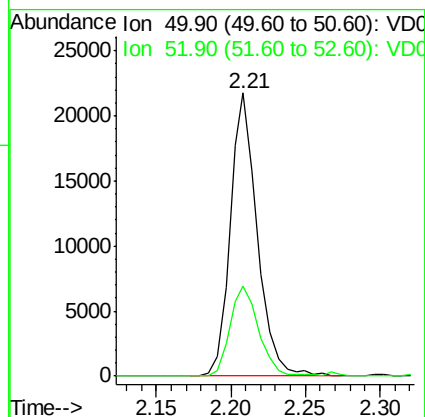
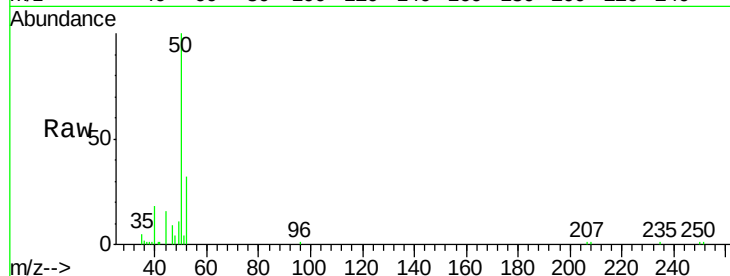
Ion Ratio Lower Upper

50 100

52 32.0 26.2 39.4

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#4

Vinyl Chloride

Concen: 5.450 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065606.D

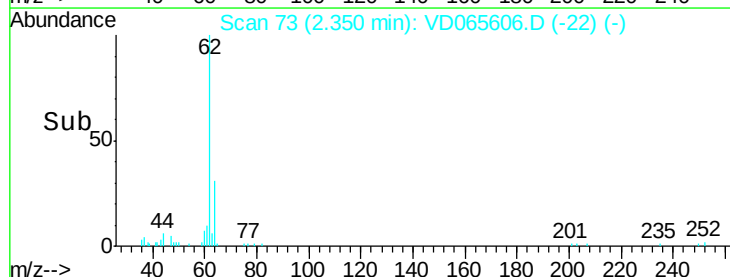
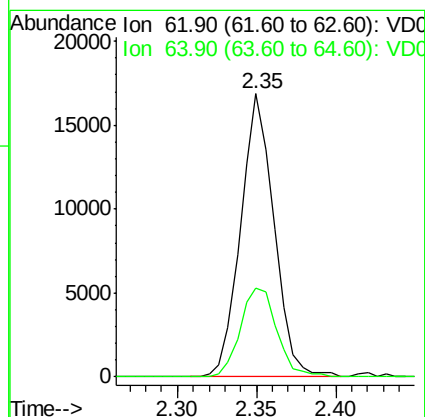
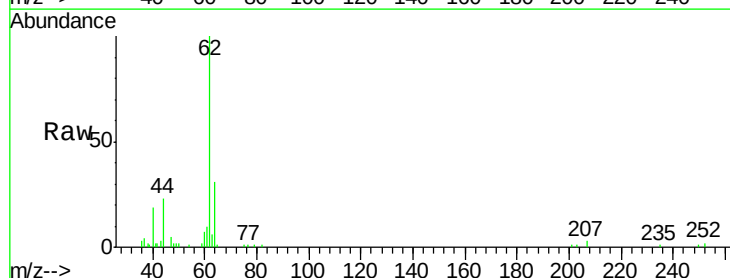
Acq: 09 Apr 2020 10:40

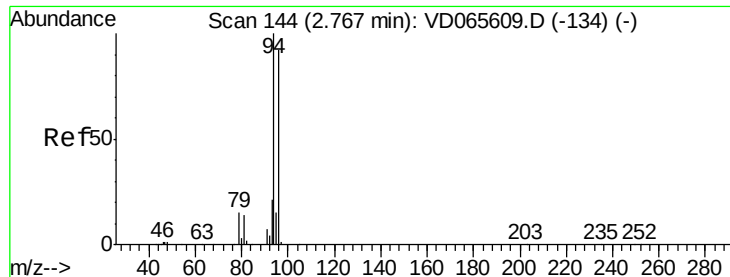
Tgt Ion: 62 Resp: 24615

Ion Ratio Lower Upper

62 100

64 31.5 25.8 38.6





#5

Bromomethane

Concen: 6.045 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 94 Resp: 19254

Ion Ratio Lower Upper

94 100

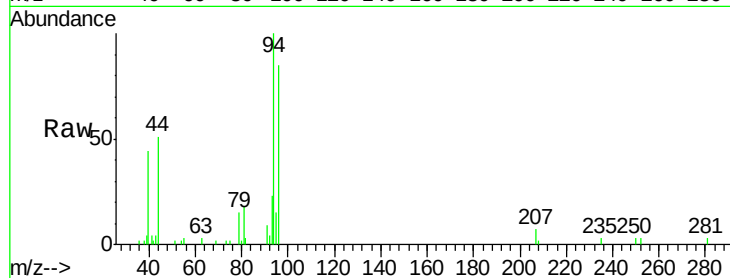
96 85.3 73.3 109.9

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

10000

8000

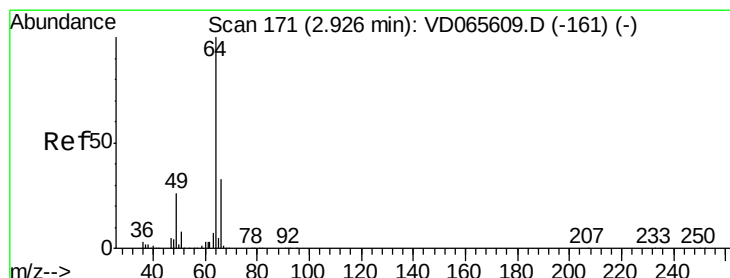
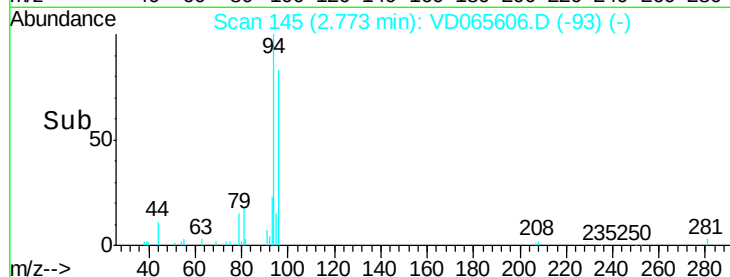
6000

4000

2000

0

Time-->



#6

Chloroethane

Concen: 5.599 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065606.D

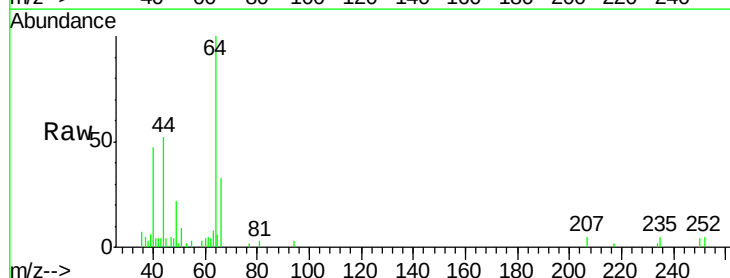
Acq: 09 Apr 2020 10:40

Tgt Ion: 64 Resp: 15574

Ion Ratio Lower Upper

64 100

66 33.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

8000

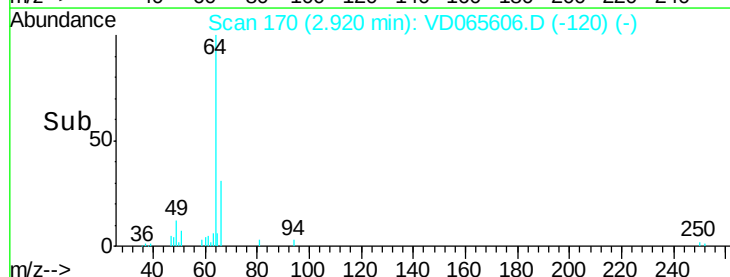
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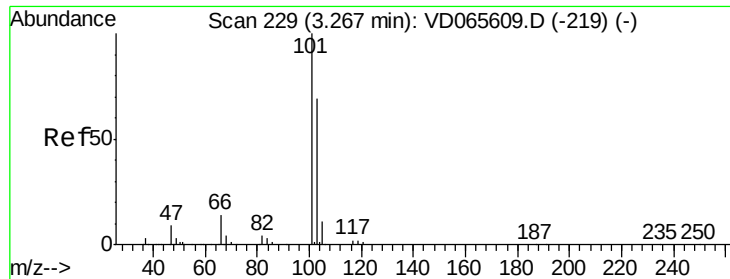
4000

2000

0

Time-->





#7

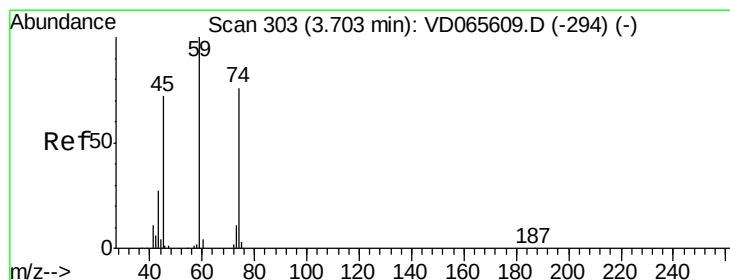
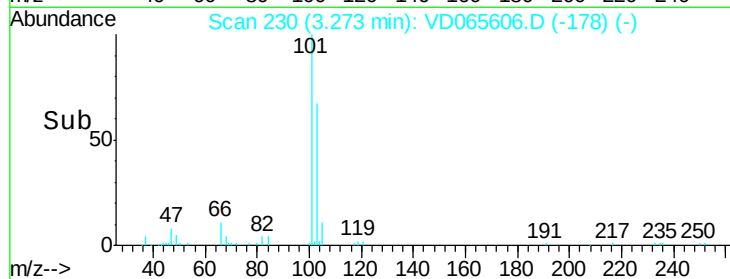
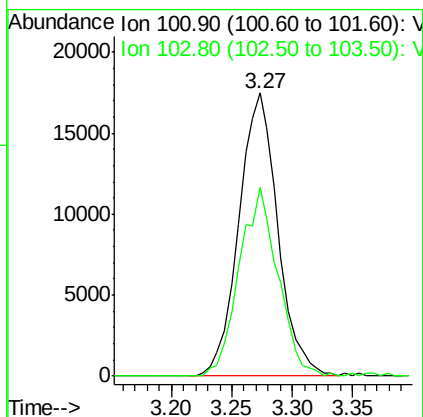
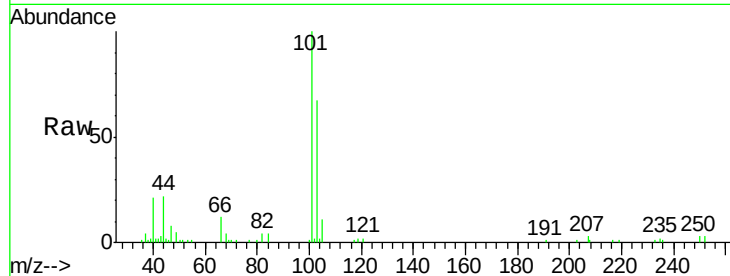
Trichlorofluoromethane
Concen: 5.730 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	55.0	82.4

Manual Integrations
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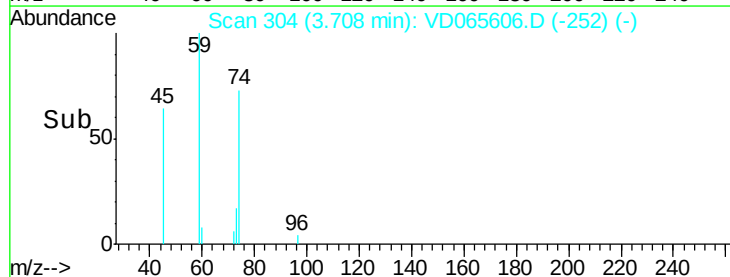
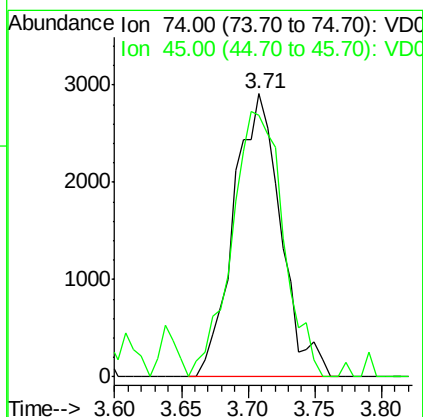
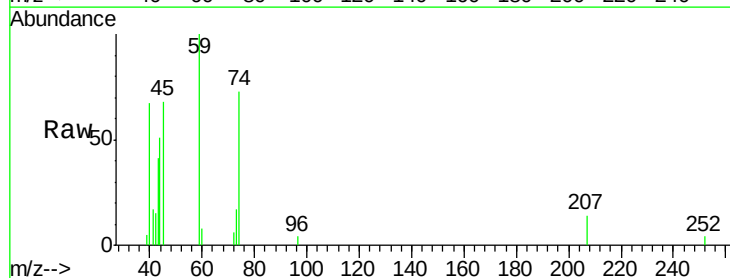
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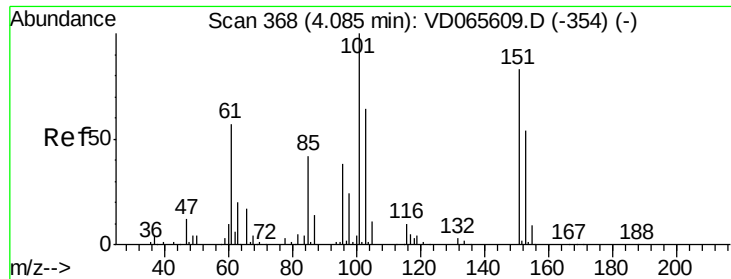


#8

Diethyl Ether
Concen: 5.031 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.691 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

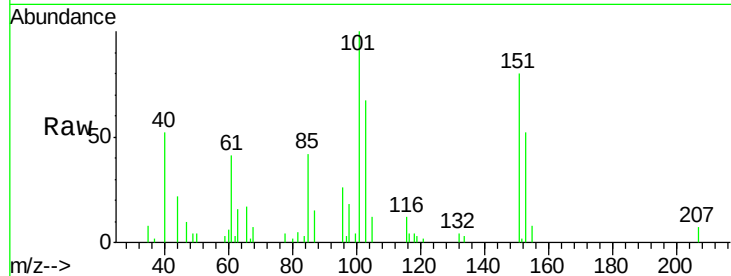
ClientSampleId :

VSTDIC005

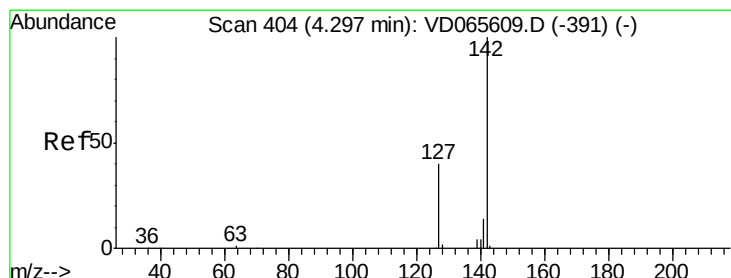
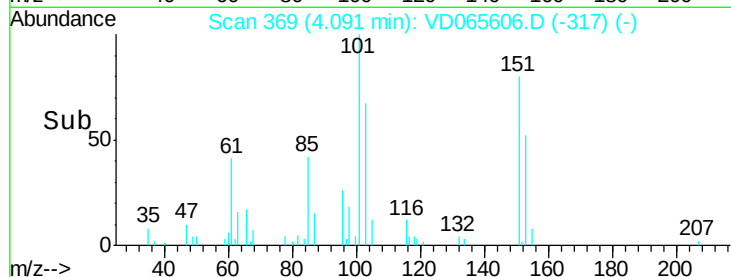
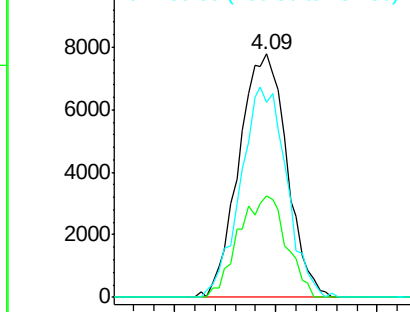
Tot Ion:	101	Resp:	25484
Ion Ratio	Lower	Upper	
101	100		
85	41.5	33.8	50.6
151	83.1	65.0	97.4

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.459 ug/l

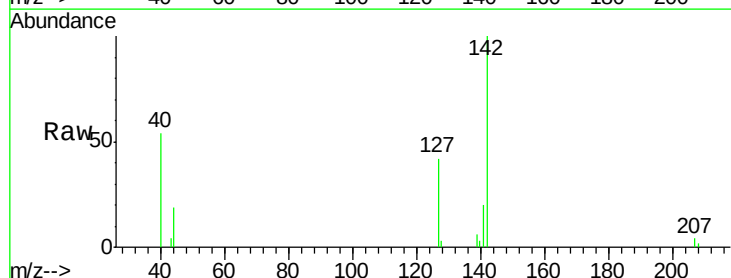
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

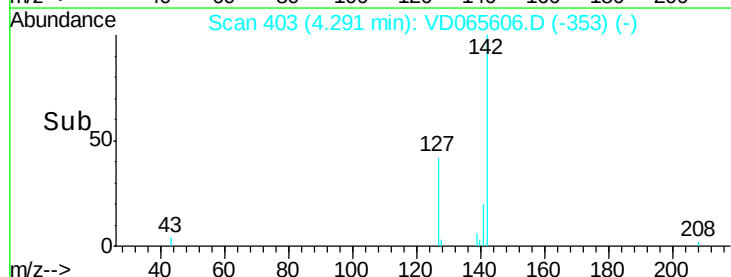
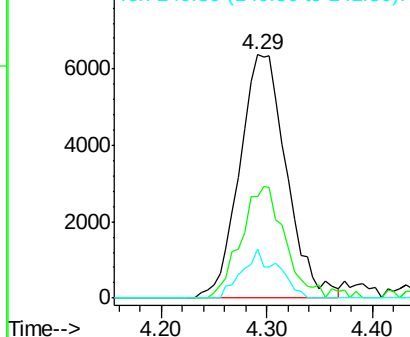
Lab File: VD065606.D

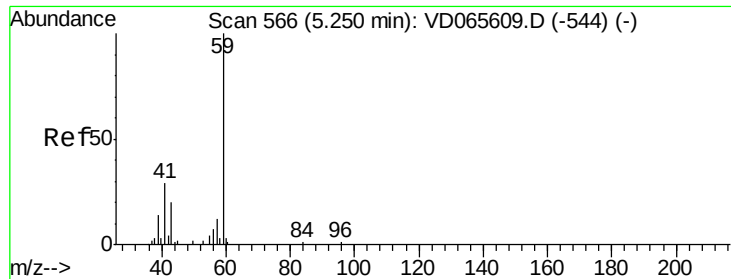
Acq: 09 Apr 2020 10:40

Tgt Ion:	142	Resp:	19651
Ion Ratio	Lower	Upper	
142	100		
127	42.7	34.6	51.8
141	15.1	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 26.919 ug/l m

RT: 5.24 min Scan# 564

Delta R.T. -0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tot Ion: 59 Resp: 5586

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#

Instrument :

MSVOA_D

ClientSampleId :

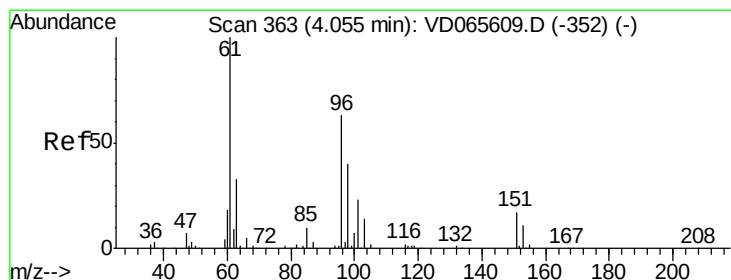
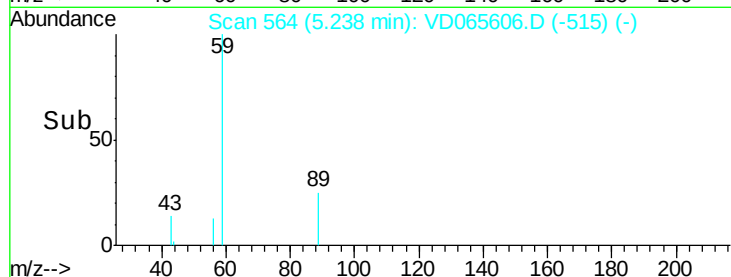
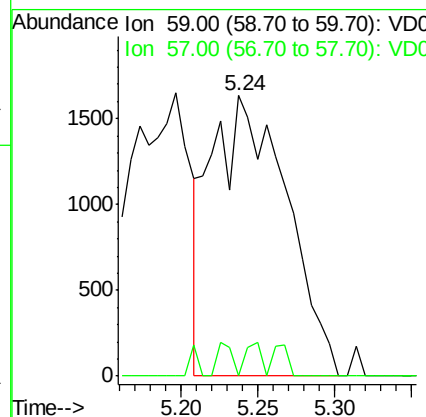
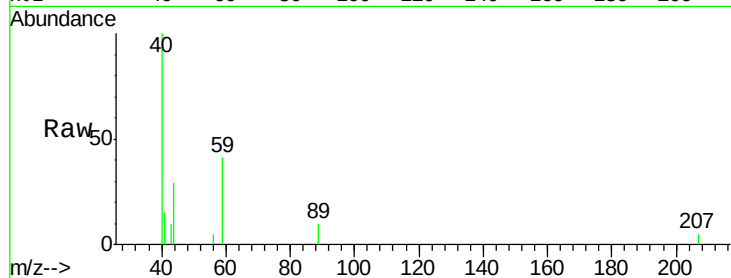
VSTDIC005

Manual Integrations

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#12

1,1-Dichloroethene

Concen: 5.544 ug/l

RT: 4.06 min Scan# 364

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

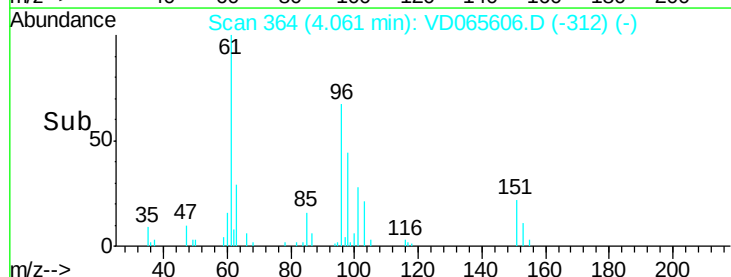
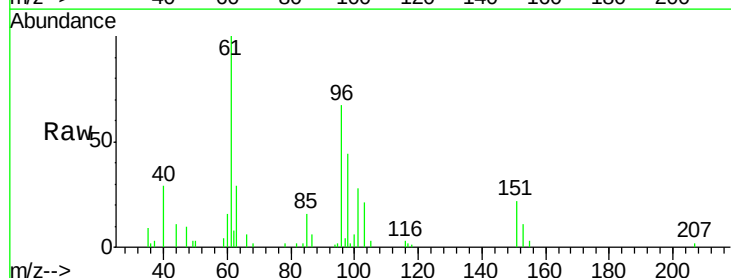
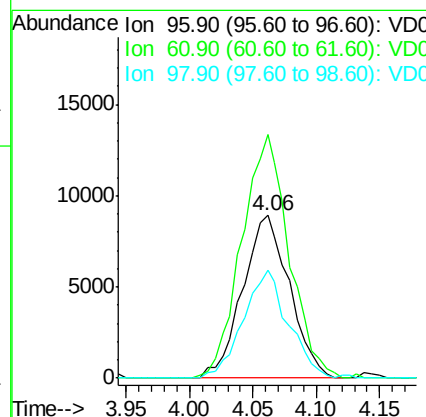
Tgt Ion: 96 Resp: 22898

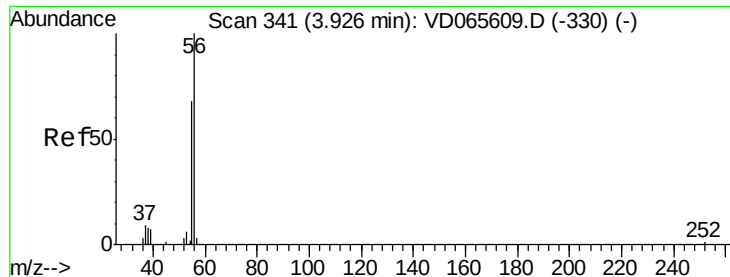
Ion Ratio Lower Upper

96 100

61 149.5 126.6 190.0

98 66.1 50.2 75.4





#13

Acrolein

Concen: 25.286 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 56 Resp: 7219

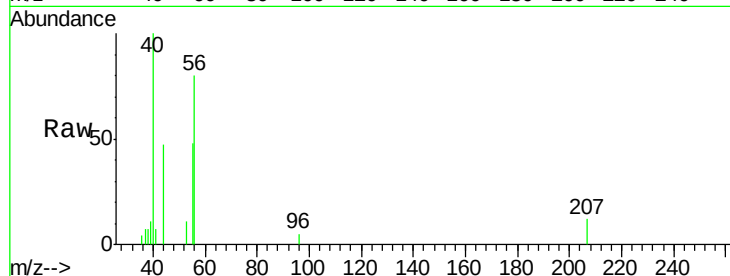
Ion Ratio Lower Upper

56 100

55 73.5 57.9 86.9

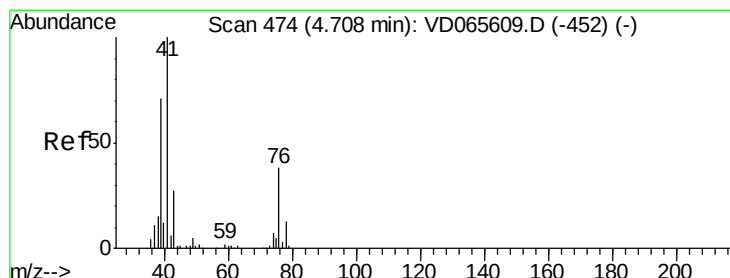
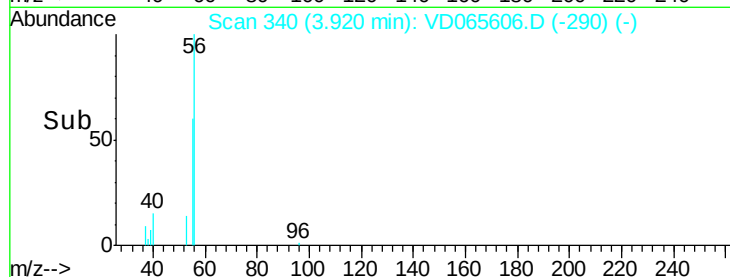
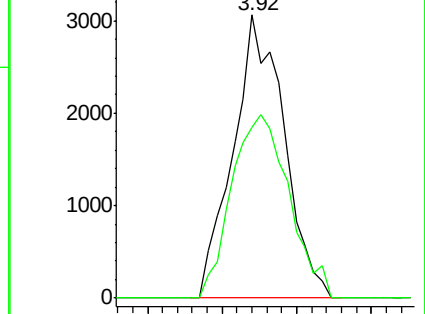
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 5.176 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

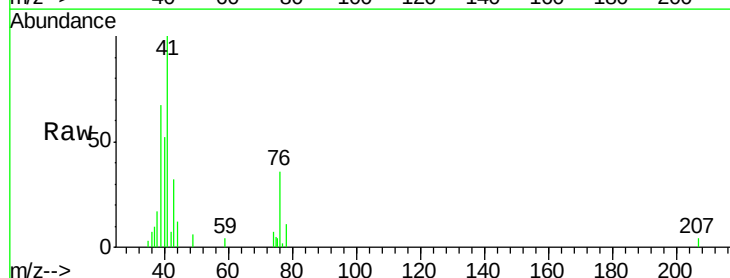
Tgt Ion: 41 Resp: 31714

Ion Ratio Lower Upper

41 100

39 63.9 54.2 81.2

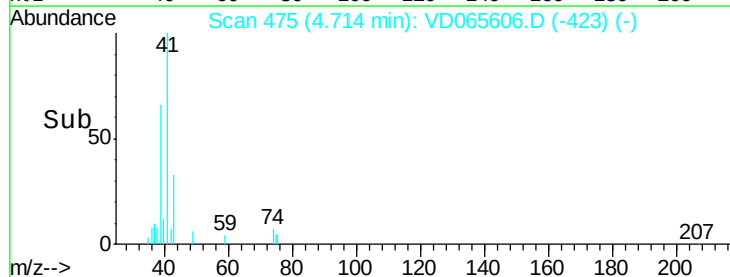
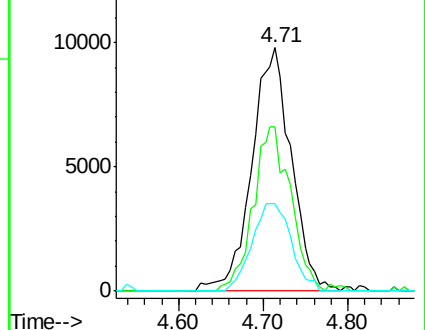
76 35.8 29.7 44.5

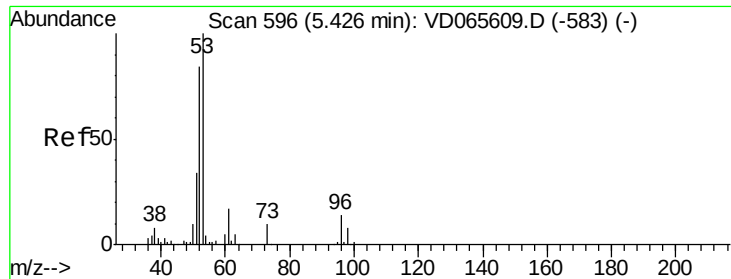


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 25.067 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

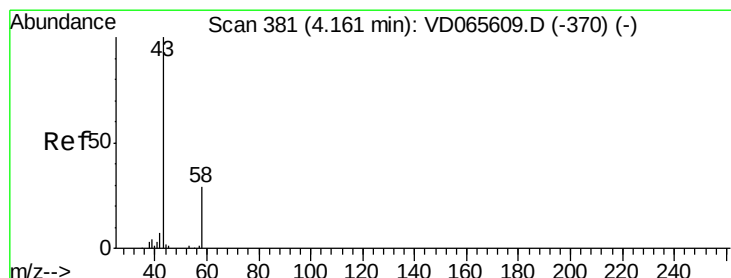
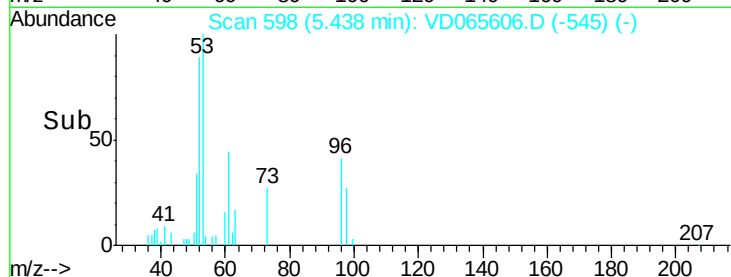
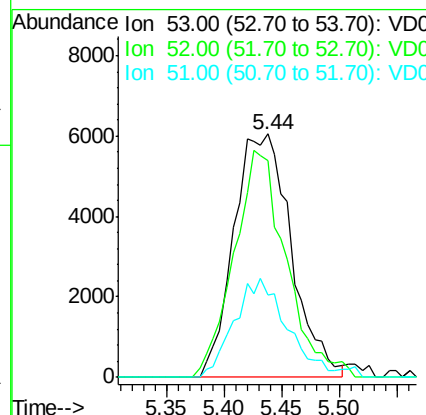
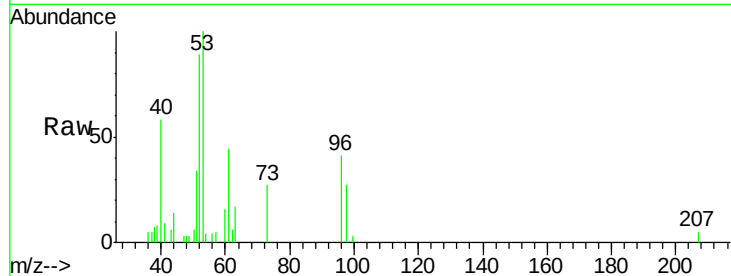
ClientSampleId :

VSTDIC005

Tot Ion:	53	Resp:	20922
Ion	Ratio	Lower	Upper
53	100		
52	84.8	65.3	97.9
51	37.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 28.424 ug/l

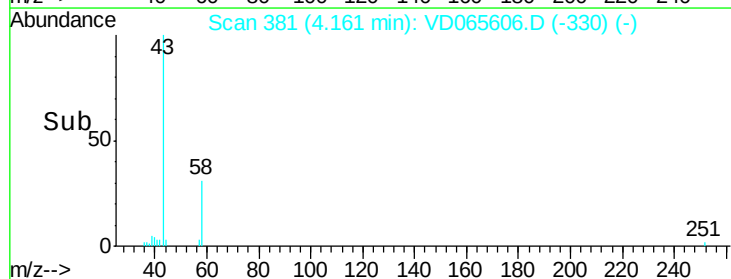
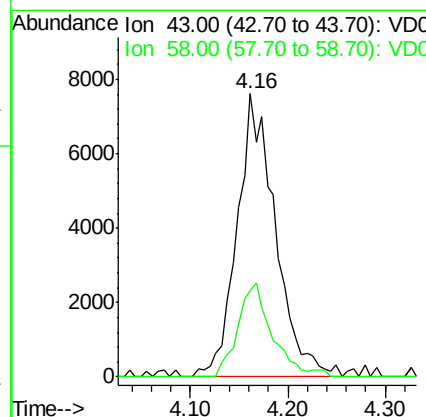
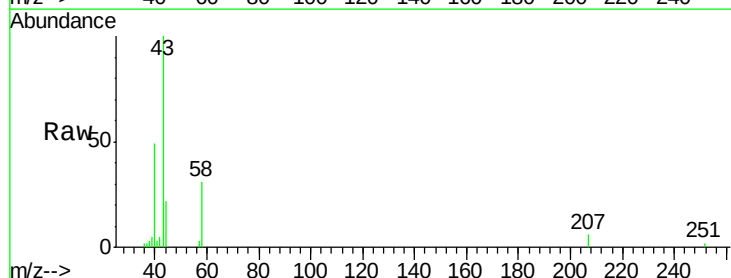
RT: 4.16 min Scan# 381

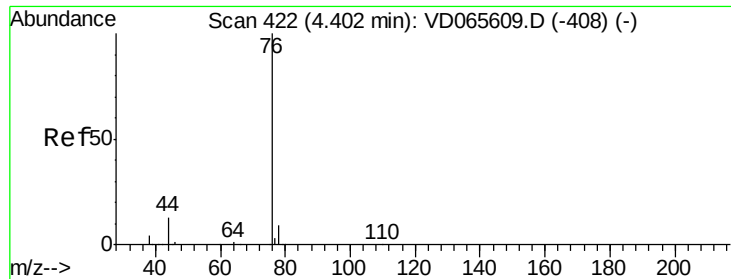
Delta R.T. -0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion:	43	Resp:	20911
Ion	Ratio	Lower	Upper
43	100		
58	30.7	23.2	34.8





#17

Carbon Disulfide

Concen: 5.529 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 76 Resp: 75980

Ion Ratio Lower Upper

76 100

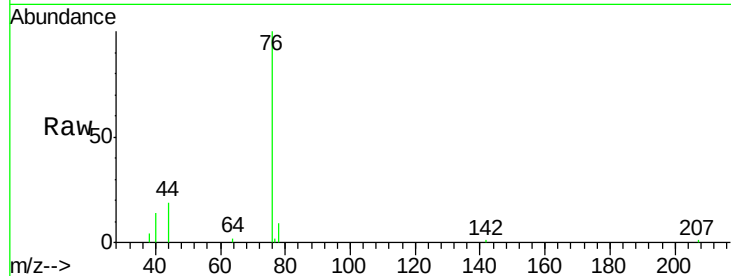
78 8.6 7.3 10.9

Manual Integrations

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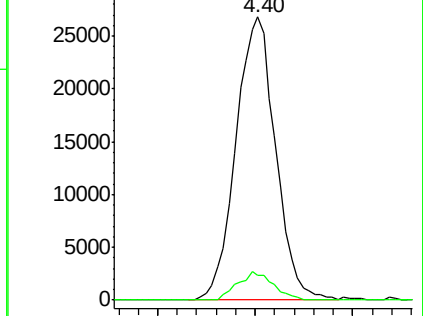
MMDadoda

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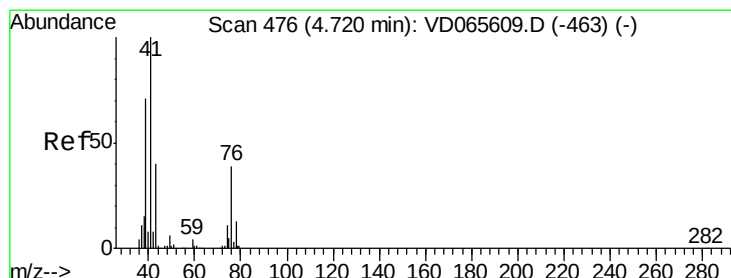
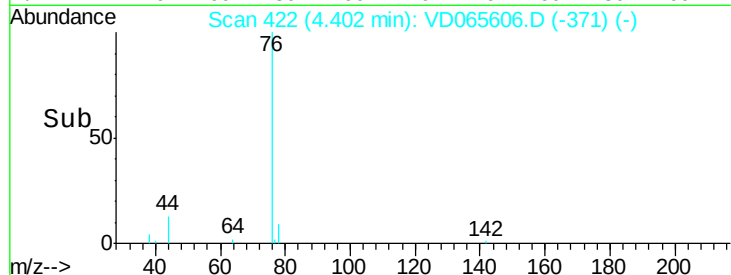


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 5.259 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.01 min

Lab File: VD065606.D

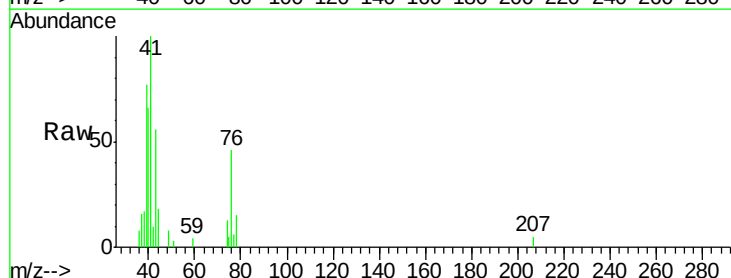
Acq: 09 Apr 2020 10:40

Tgt Ion: 43 Resp: 11356

Ion Ratio Lower Upper

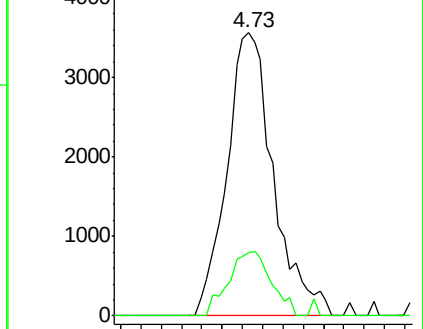
43 100

74 20.9 20.2 30.2

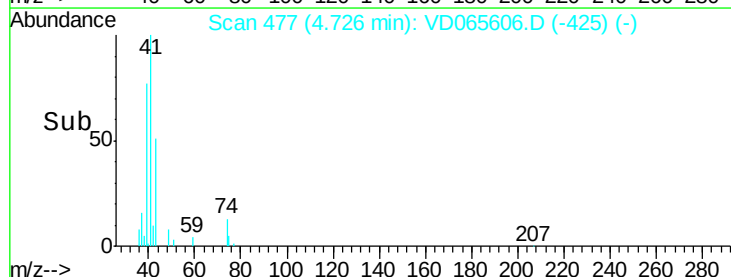


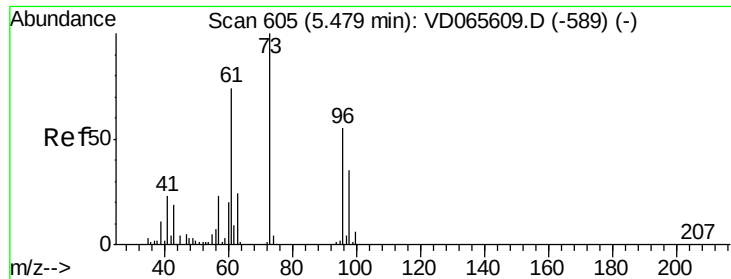
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





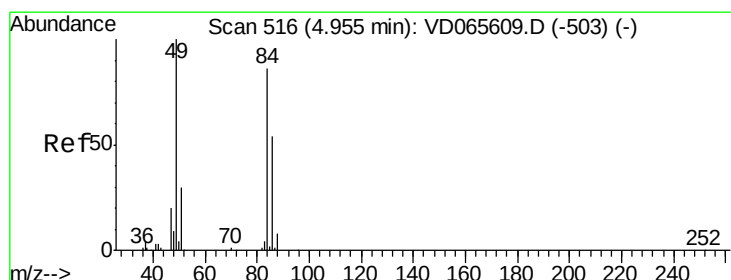
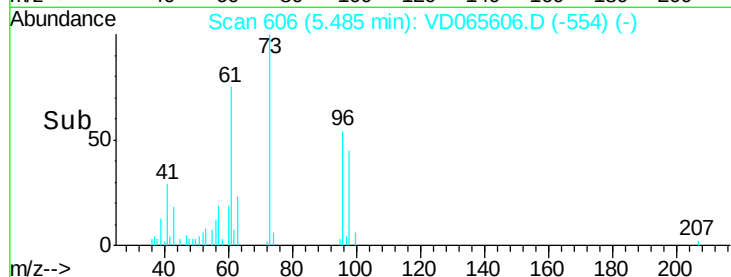
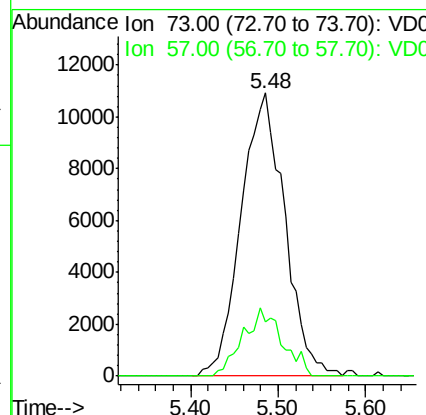
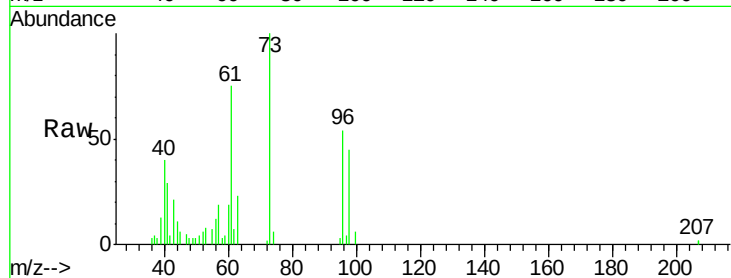
#19
Methyl tert-butyl Ether
Concen: 4.654 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 73 Resp: 37158
Ion Ratio Lower Upper
73 100
57 19.3 18.2 27.2

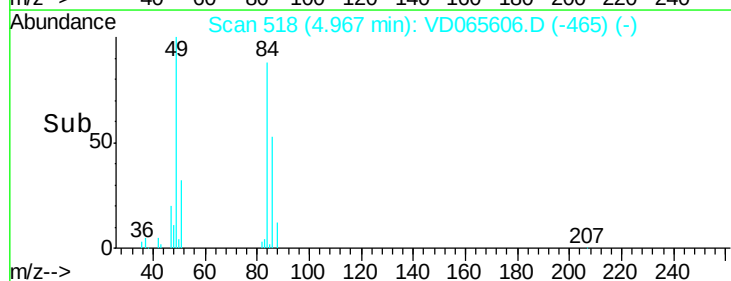
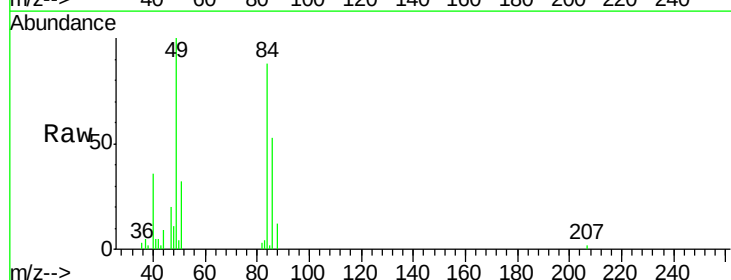
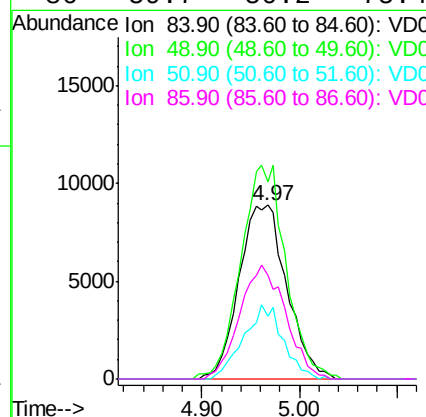
Manual Integrations
APPROVED

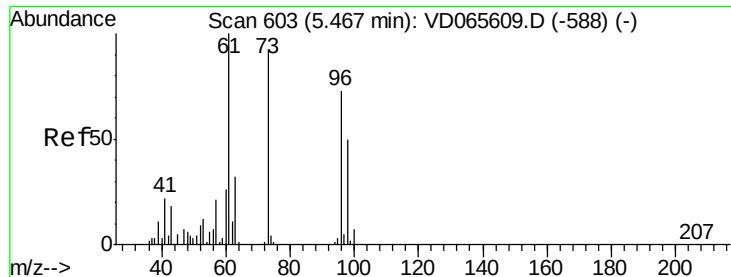
MMDadoda
4/10/2020 2:58:32 PM



#20
Methylene Chloride
Concen: 6.247 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion: 84 Resp: 30380
Ion Ratio Lower Upper
84 100
49 113.2 93.4 140.2
51 35.9 28.5 42.7
86 59.7 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 5.256 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

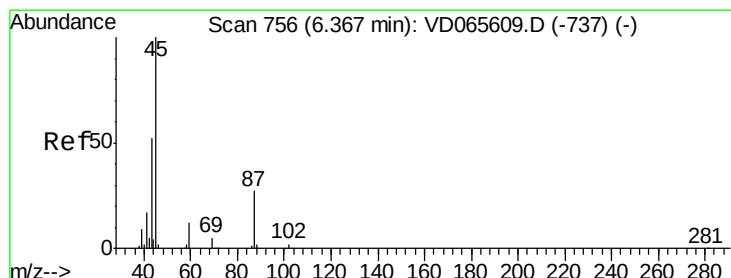
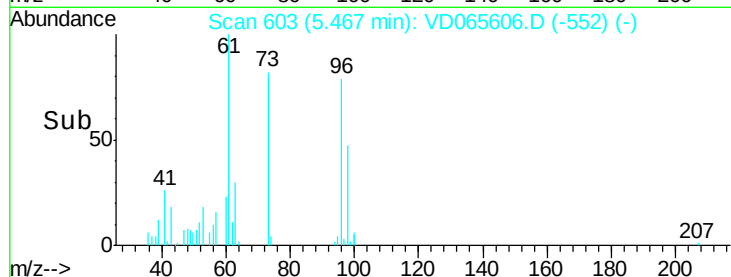
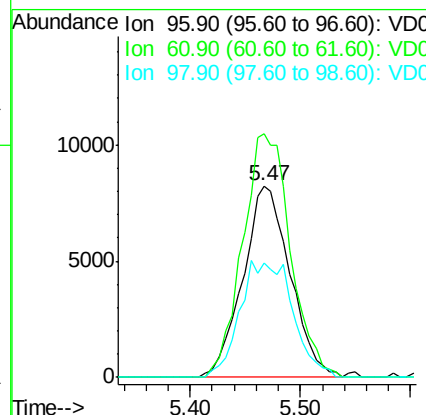
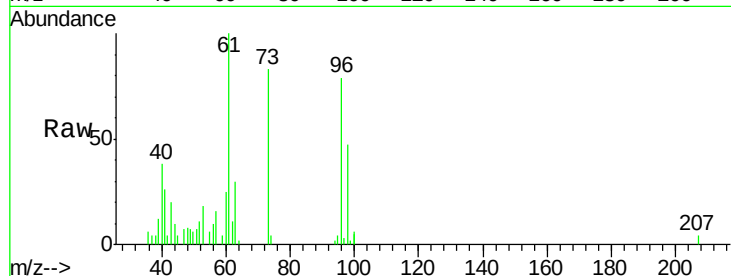
ClientSampled :

VSTDIC005

Tot Ion:	96	Resp:	24637
Ion	Ratio	Lower	Upper
96	100		
61	127.1	109.8	164.6
98	59.7	54.8	82.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 4.426 ug/l

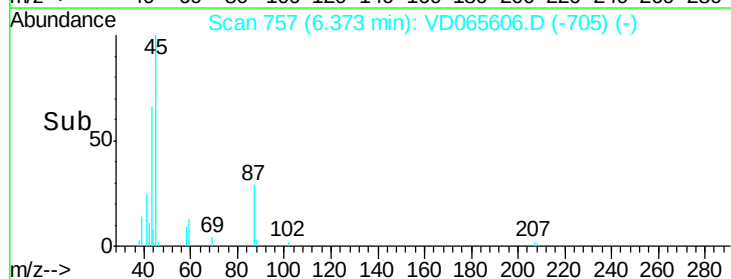
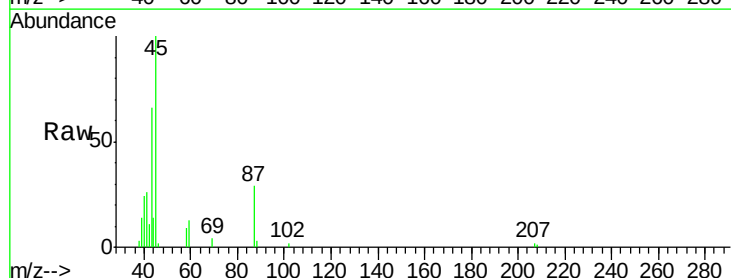
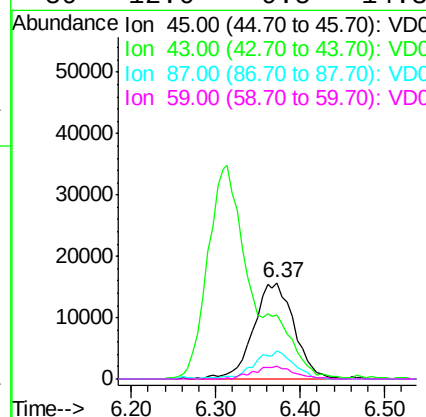
RT: 6.37 min Scan# 757

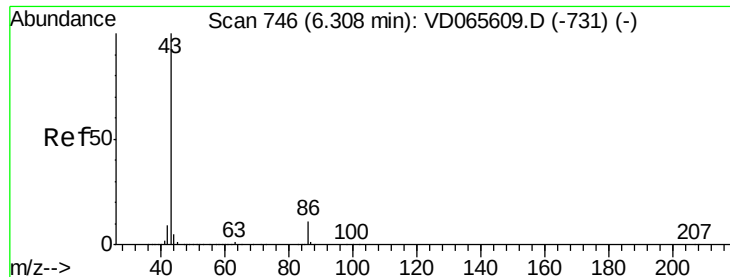
Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion:	45	Resp:	52122
Ion	Ratio	Lower	Upper
45	100		
43	64.5	42.5	63.7#
87	29.0	22.3	33.5
59	12.6	9.5	14.3





#23

Vinyl Acetate

Concen: 21.436 ug/l m

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tot Ion: 43 Resp: 129712

Ion Ratio Lower Upper

43 100

86 12.1 9.1 13.7

Instrument :

MSVOA_D

ClientSampleId :

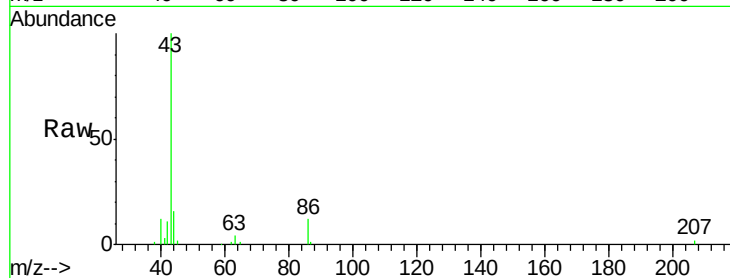
VSTDIC005

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

40000

30000

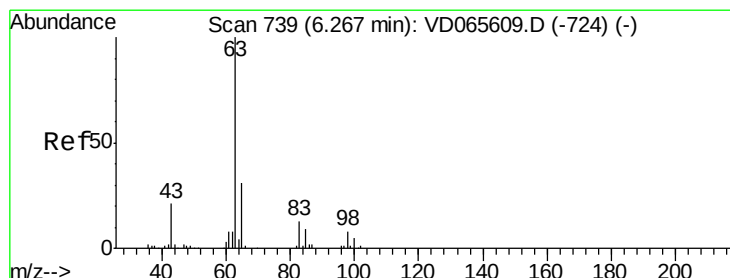
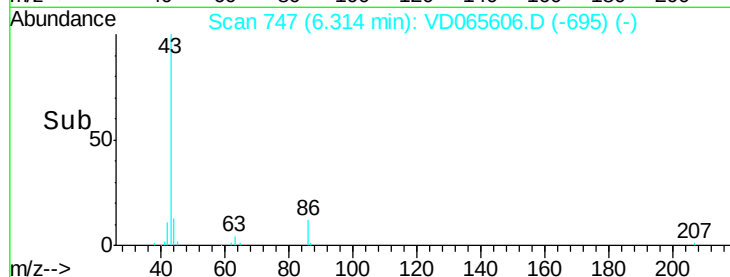
20000

10000

0

6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 5.481 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

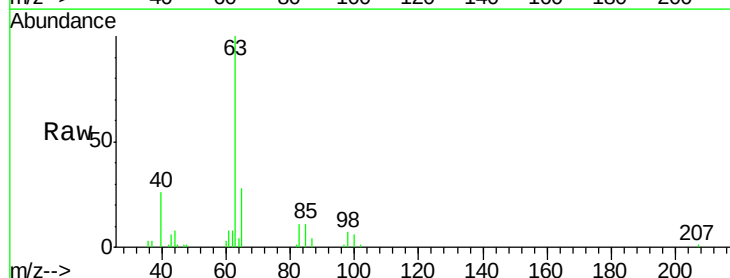
Tgt Ion: 63 Resp: 42940

Ion Ratio Lower Upper

63 100

98 6.9 4.0 11.9

100 5.8 2.6 7.8



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

20000

15000

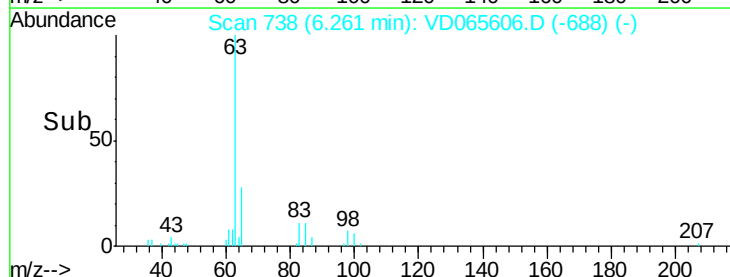
10000

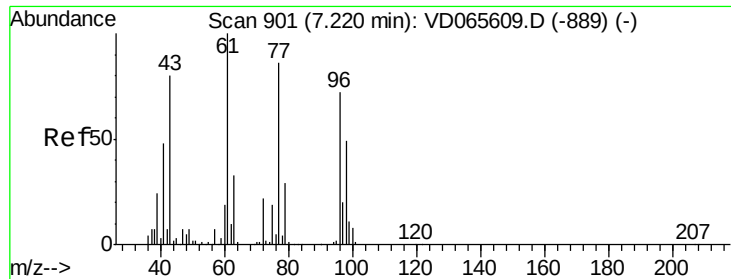
5000

0

6.20 6.30

Time-->





#25

2-Butanone

Concen: 24.916 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 25090

Ion Ratio Lower Upper

43 100

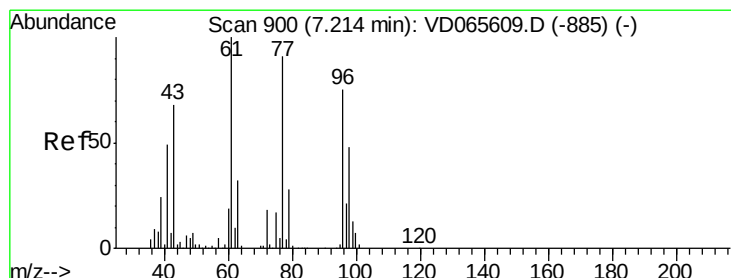
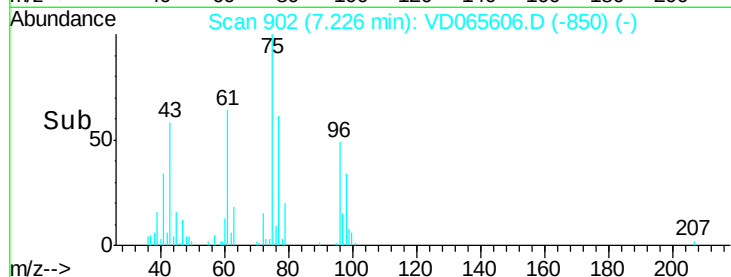
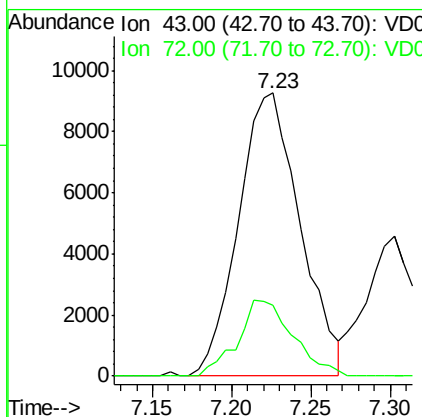
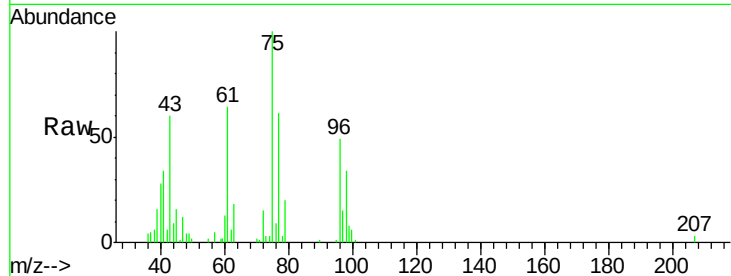
72 24.9 22.5 33.7

Manual Integrations

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MMDadoda

4/10/2020 2:58:32 PM



#26

2,2-Dichloropropane

Concen: 5.601 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD065606.D

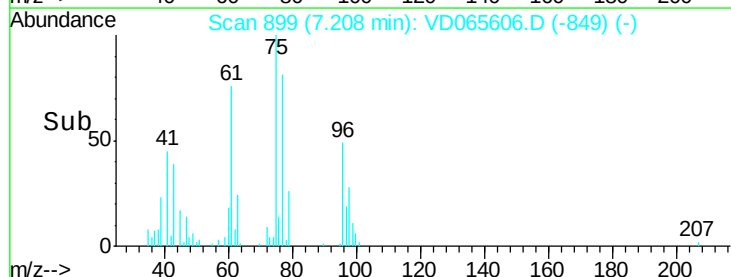
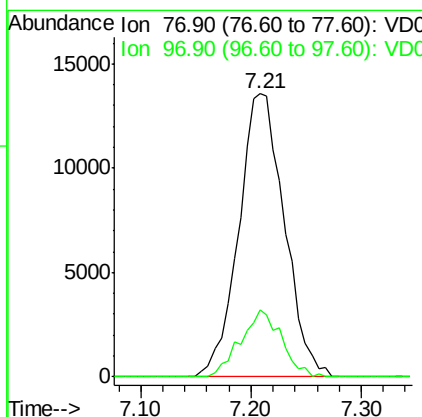
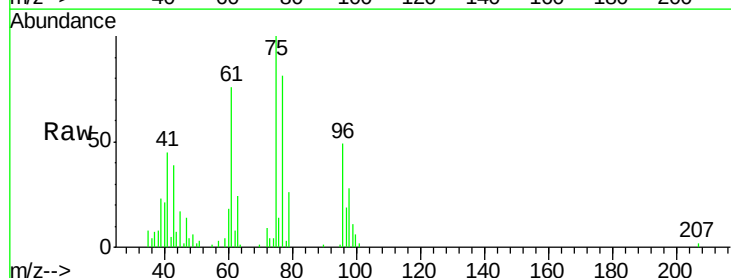
Acq: 09 Apr 2020 10:40

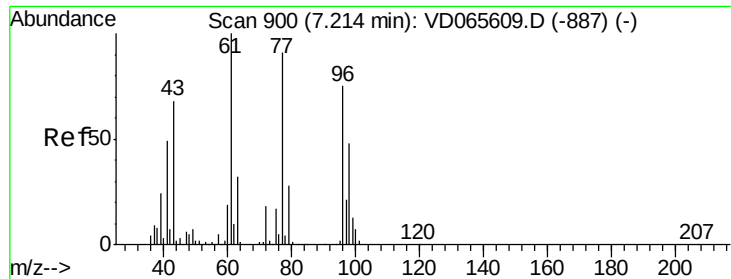
Tgt Ion: 77 Resp: 39270

Ion Ratio Lower Upper

77 100

97 21.1 11.7 35.1





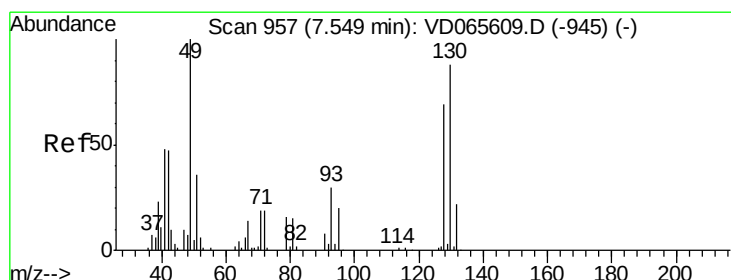
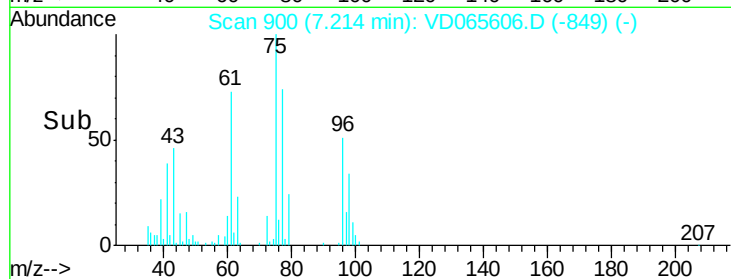
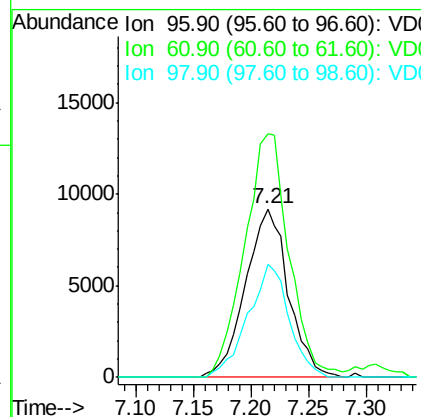
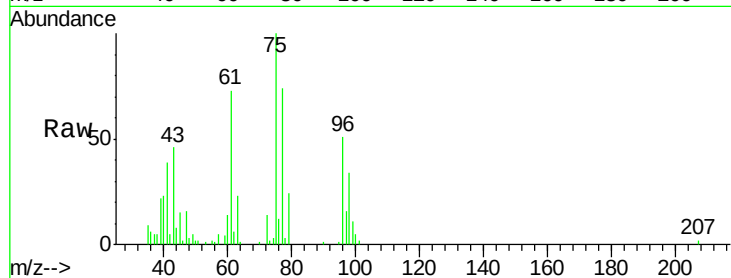
#27
 cis-1,2-Dichloroethene
 Concen: 4.955 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
96	100		
61	149.9	0.0	279.0
98	64.2	0.0	130.2

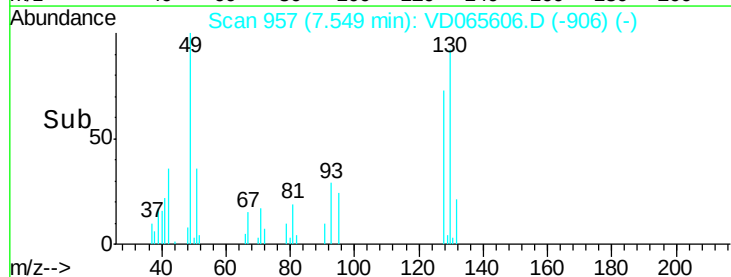
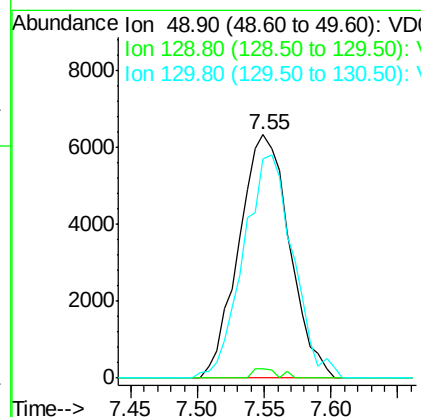
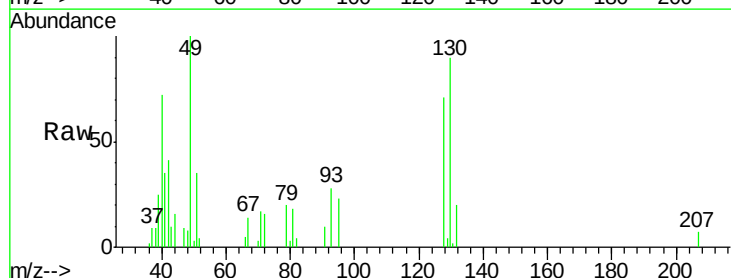
Manual Integrations
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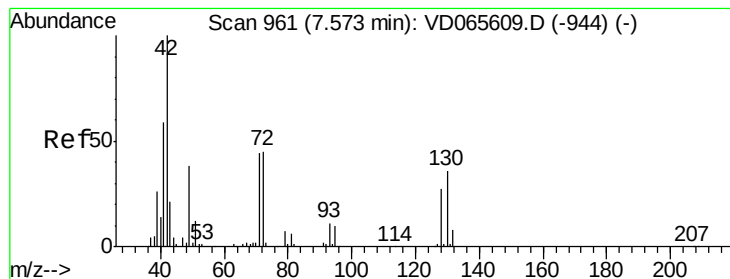
MMDadoda
 4/10/2020 2:58:32 PM



#28
 Bromochloromethane
 Concen: 5.280 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	4.8
130	89.9	69.4	104.2





#29

Tetrahydrofuran

Concen: 23.141 ug/l

RT: 7.57 min Scan# 961

Delta R.T. -0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

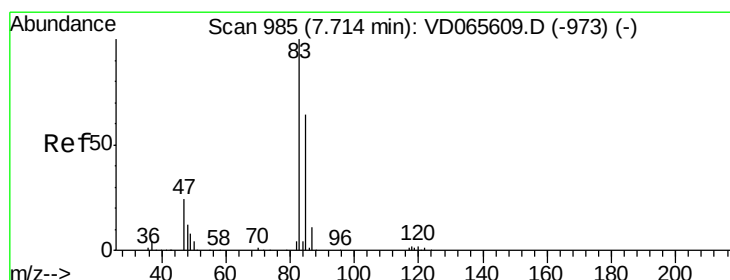
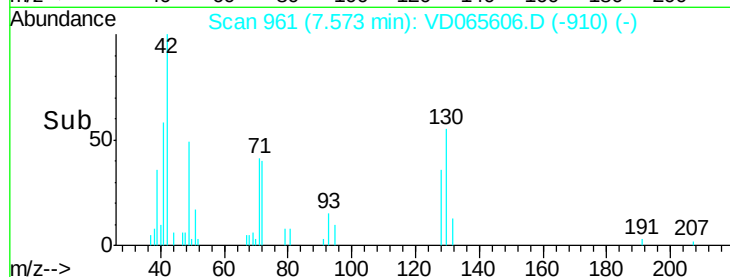
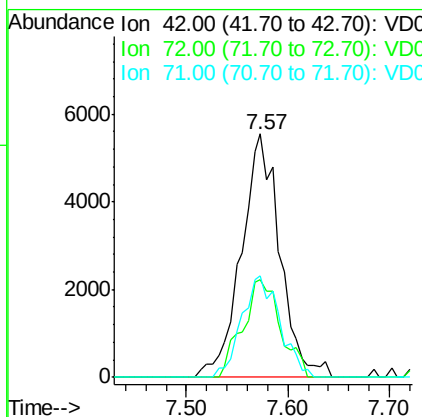
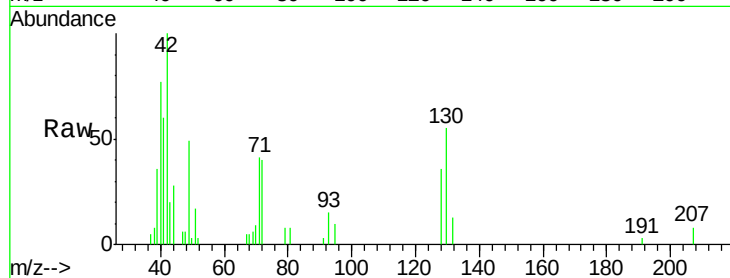
ClientSampleId :

VSTDIC005

Tot Ion:	42	Resp:	14643
Ion	Ratio	Lower	Upper
42	100		
72	39.6	35.3	52.9
71	41.1	33.1	49.7

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#30

Chloroform

Concen: 5.374 ug/l

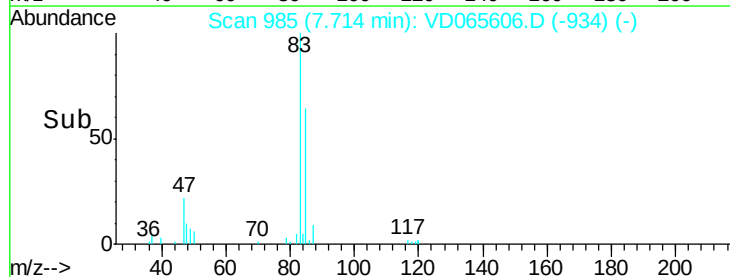
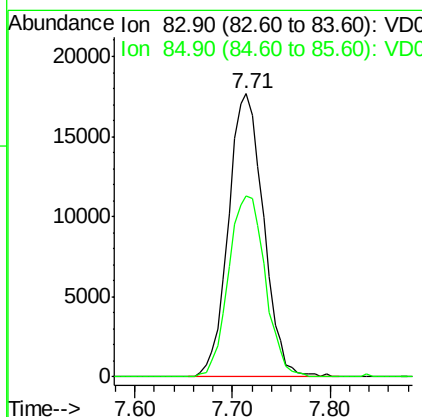
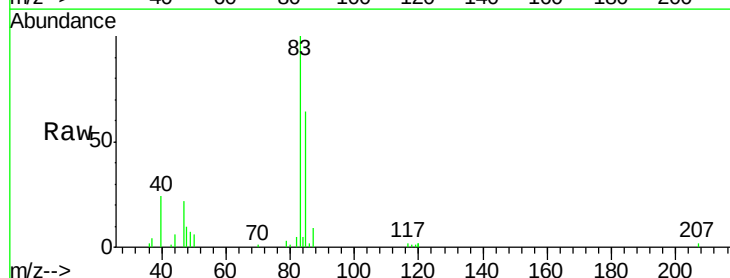
RT: 7.71 min Scan# 985

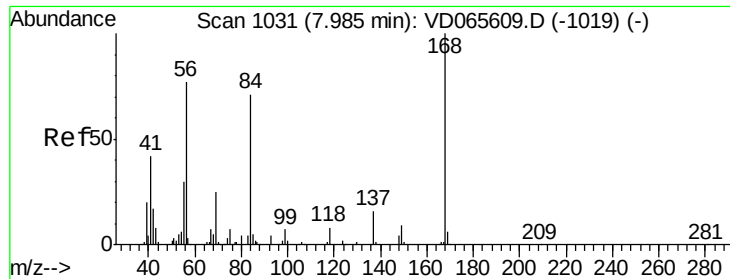
Delta R.T. -0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion:	83	Resp:	44084
Ion	Ratio	Lower	Upper
83	100		
85	64.1	50.9	76.3





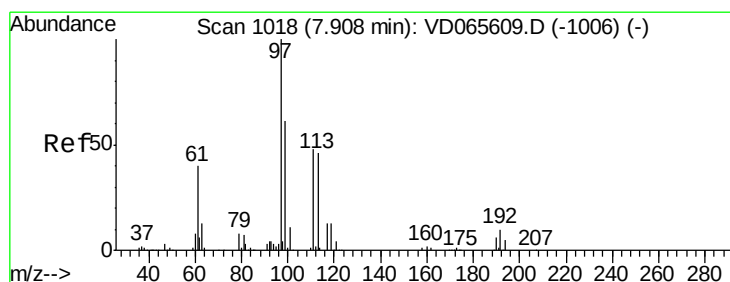
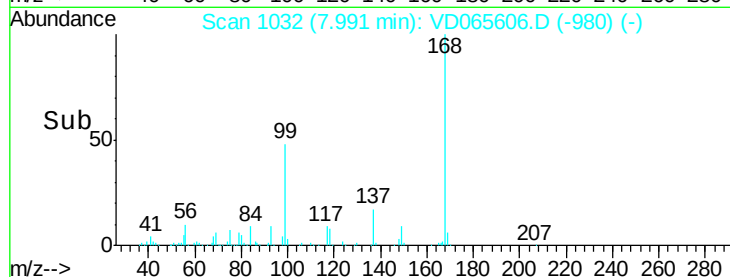
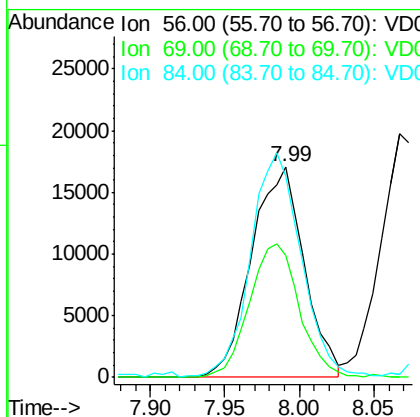
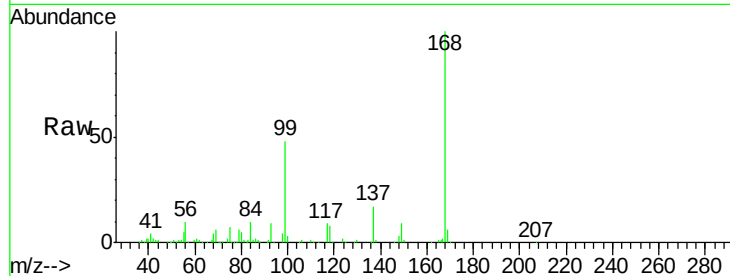
#31
Cyclohexane
Concen: 5.751 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
56	100		
69	58.2	26.2	39.4#
84	95.0	73.7	110.5

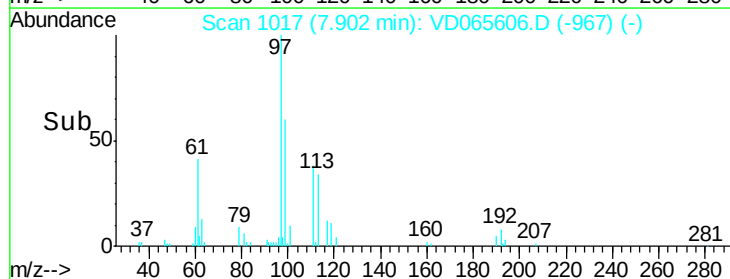
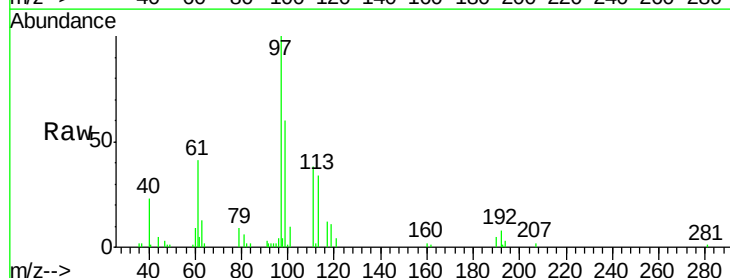
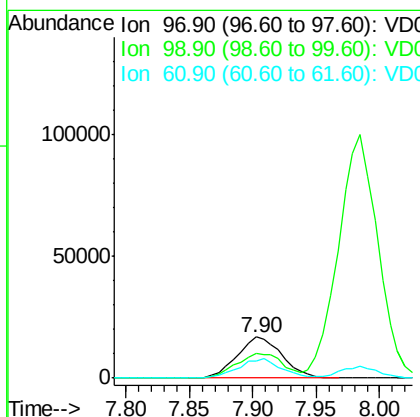
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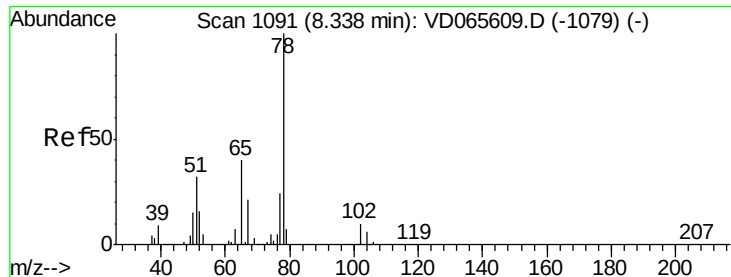
MMDadoda
4/10/2020 2:58:32 PM



#32
1,1,1-Trichloroethane
Concen: 5.577 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.2	75.2
61	44.5	33.5	50.3





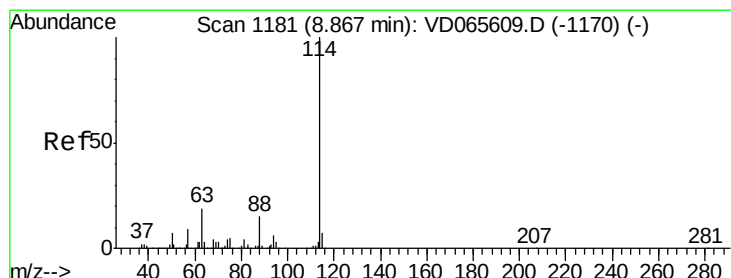
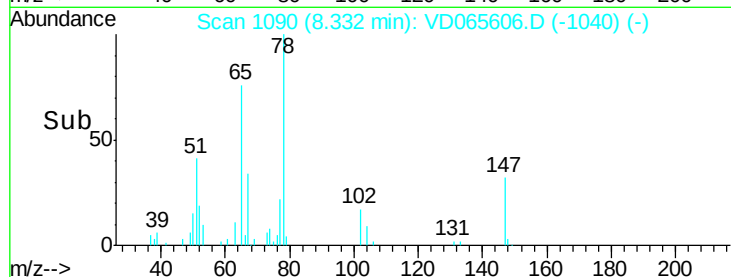
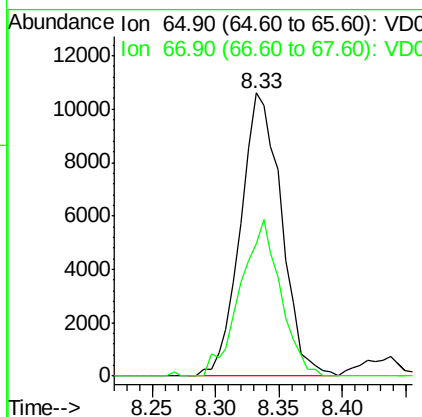
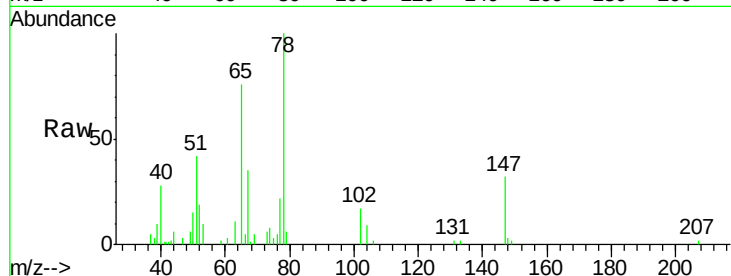
#33
 1,2-Dichloroethane-d4
 Concen: 5.835 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
65	100	23773		
67	54.4	0.0	107.6	

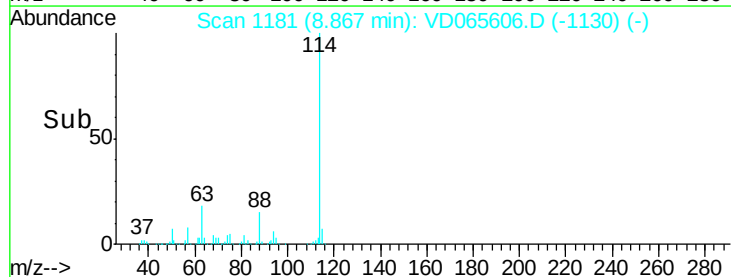
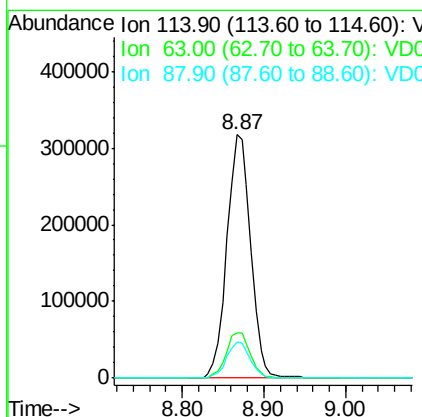
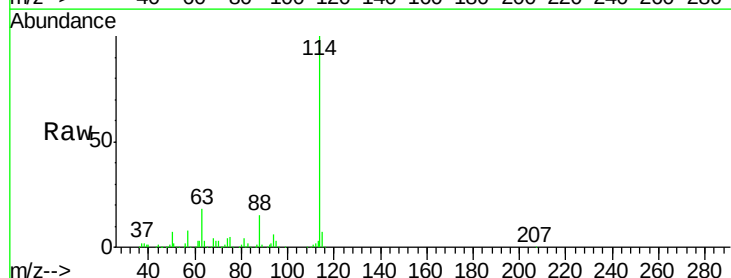
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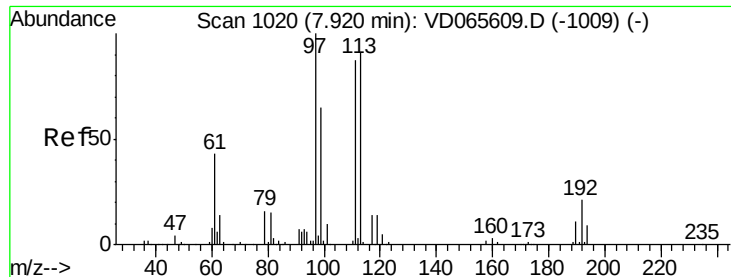
MMDadoda
 4/10/2020 2:58:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	640935		
63	18.4	0.0	38.2	
88	14.7	0.0	29.6	





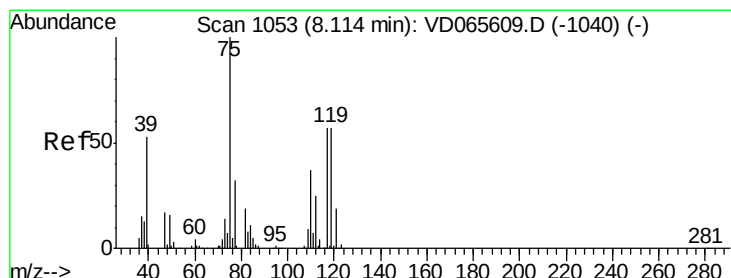
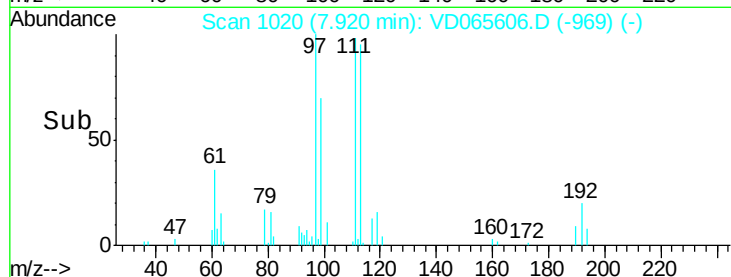
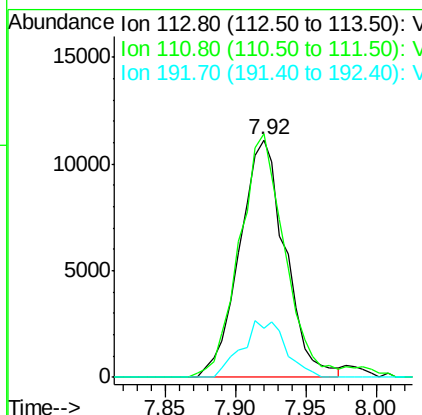
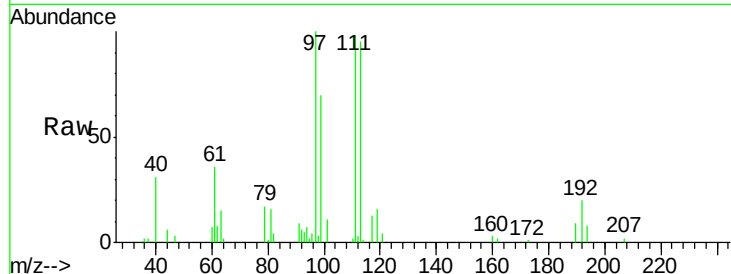
#35
 Dibromofluoromethane
 Concen: 5.640 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	80.6	120.8
192	22.8	18.6	27.8

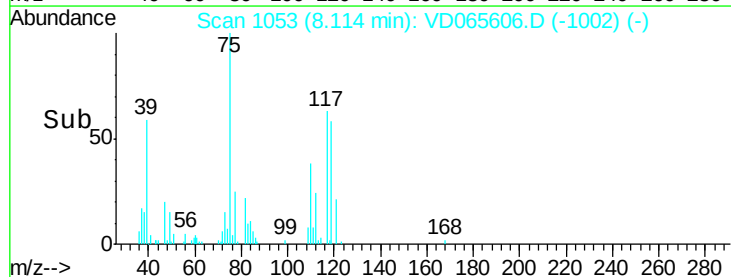
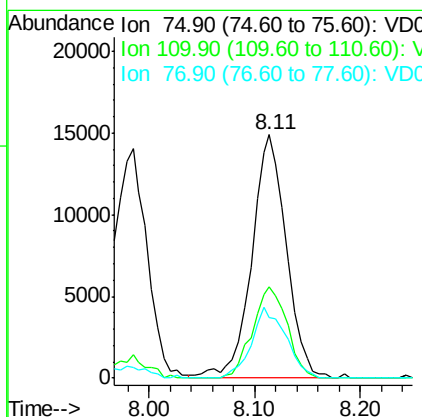
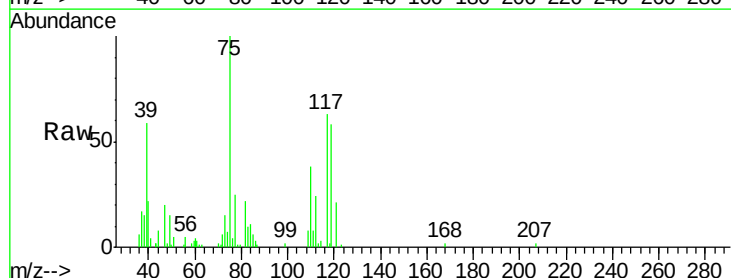
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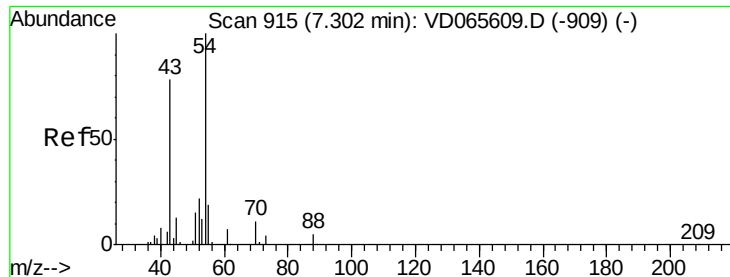
MMDadoda
 4/10/2020 2:58:32 PM



#36
 1,1-Dichloropropene
 Concen: 5.124 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.3	54.9
77	28.8	25.0	37.6





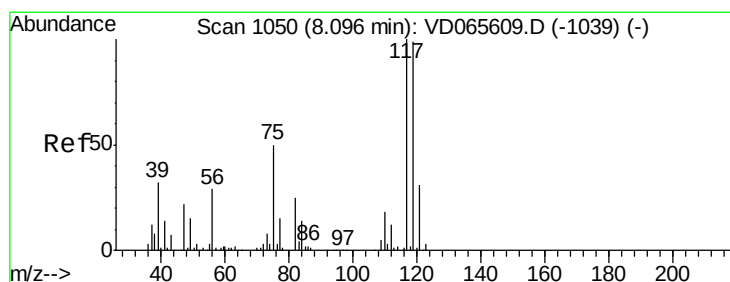
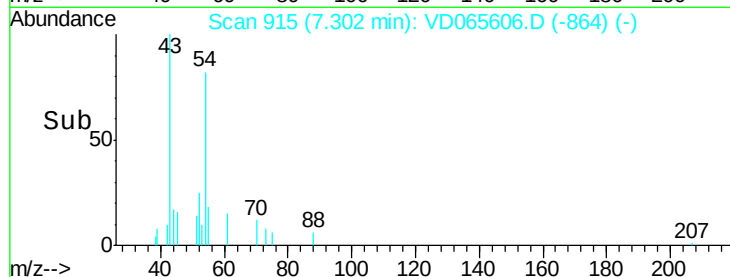
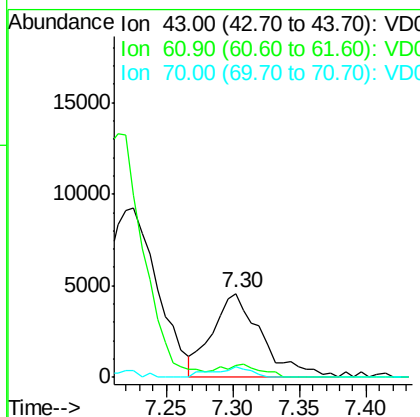
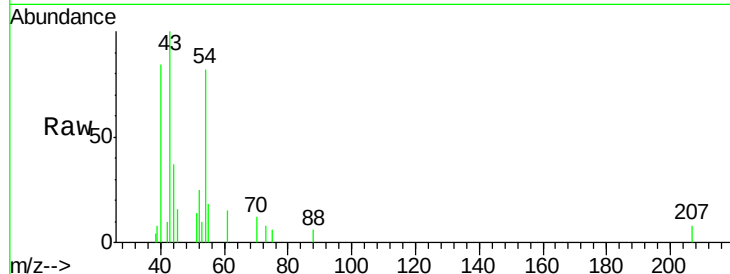
#37
Ethyl Acetate
Concen: 4.821 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.3	16.9
70	6.5	8.6	13.0

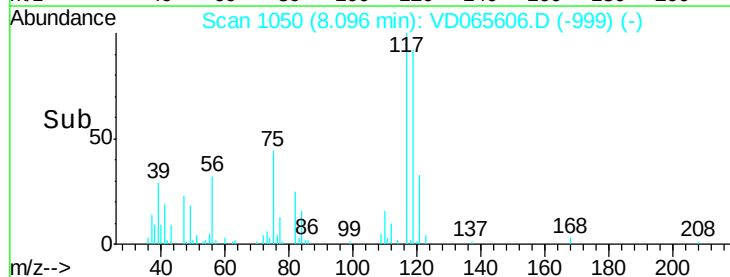
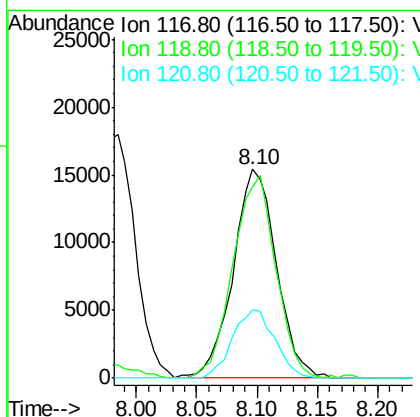
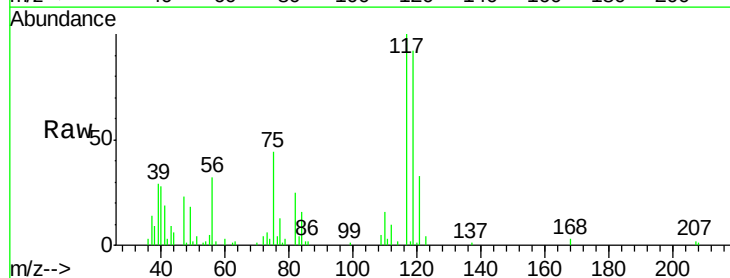
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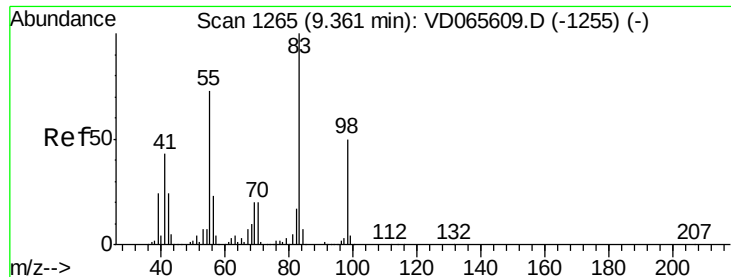
MMDadoda
4/10/2020 2:58:32 PM



#38
Carbon Tetrachloride
Concen: 5.365 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
119	91.8	78.9	118.3
121	32.9	24.6	37.0





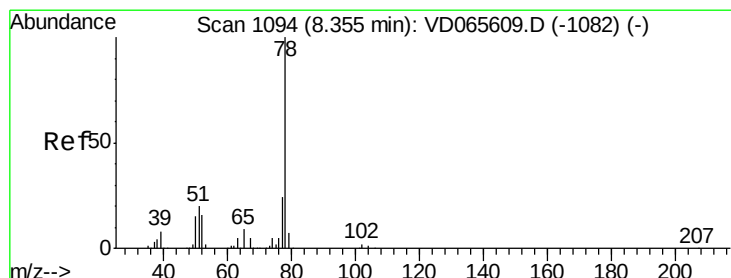
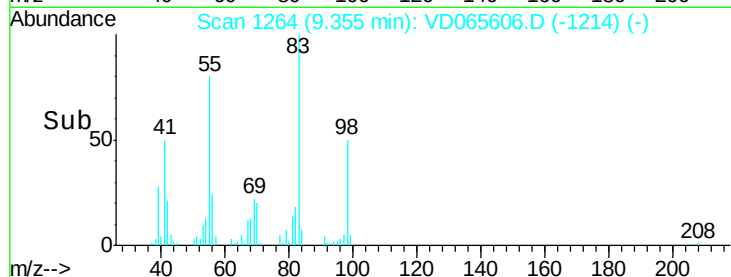
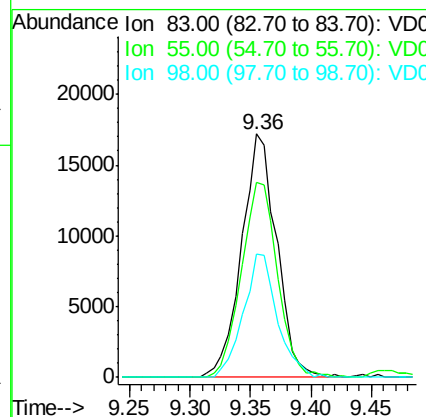
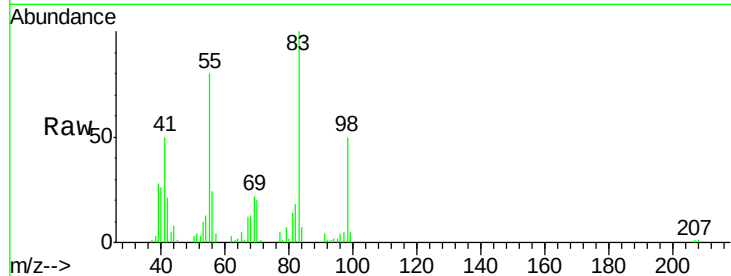
#39
Methylvlcyclohexane
Concen: 4.669 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	83	Resp	34875
Ion Ratio	100	Lower	Upper
83	100		
55	80.2	58.7	88.1
98	50.5	40.2	60.4

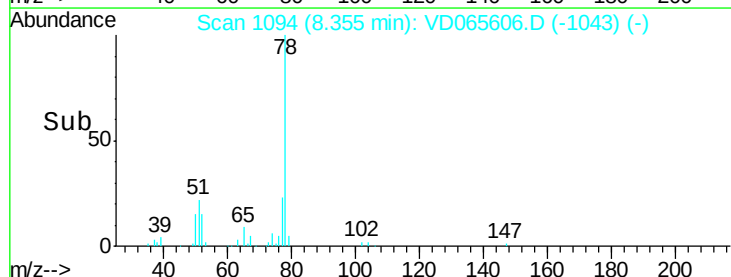
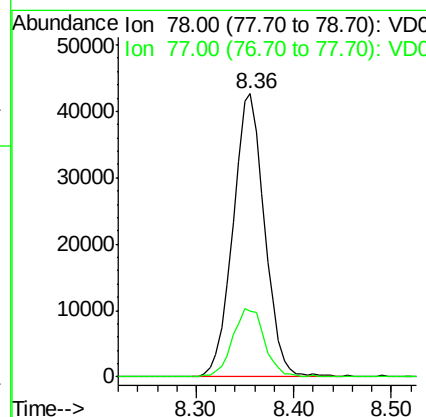
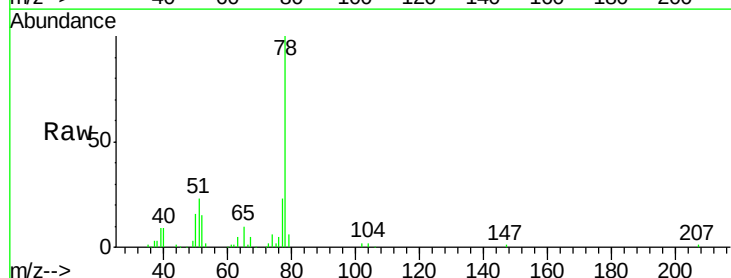
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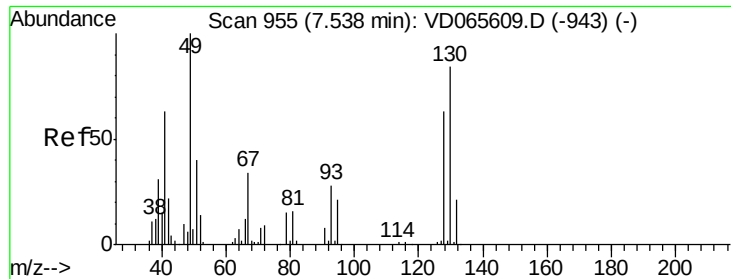
MMDadoda
4/10/2020 2:58:32 PM



#40
Benzene
Concen: 5.075 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	78	Resp	95675
Ion Ratio	100	Lower	Upper
78	100		
77	23.2	19.4	29.0





#41

Methacrylonitrile

Concen: 4.521 ug/l

RT: 7.54 min Scan# 955

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 41 Resp: 6474

Ion Ratio Lower Upper

41 100

39 50.8 0.0 0.0#

67 67.2 0.0 0.0#

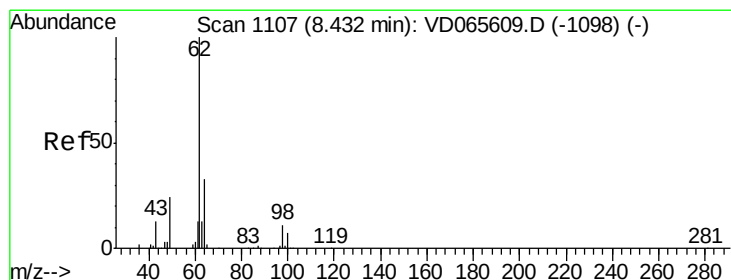
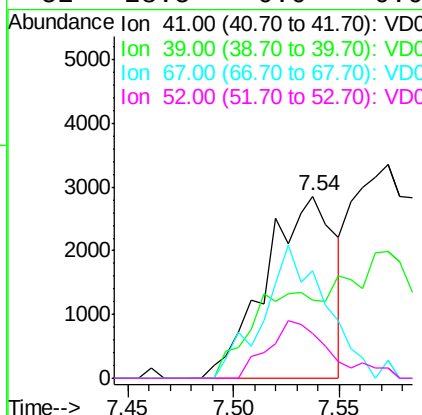
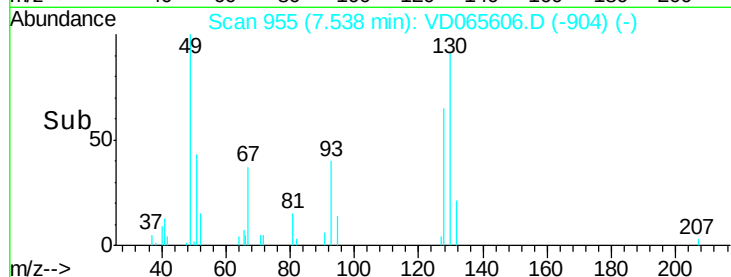
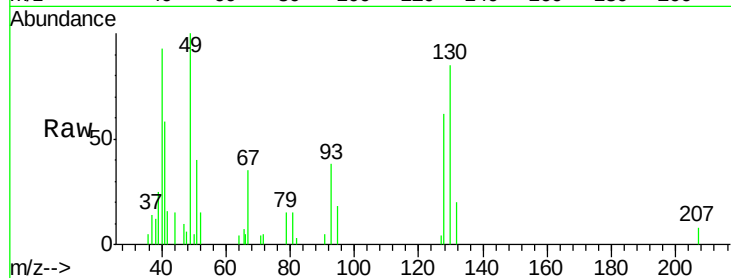
52 28.5 0.0 0.0#

Manual Integrations

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MMDadoda

4/10/2020 2:58:32 PM



#42

1,2-Dichloroethane

Concen: 5.098 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD065606.D

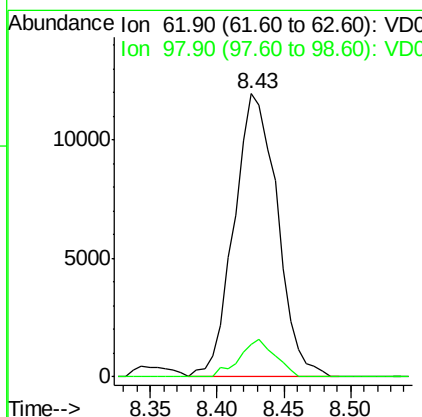
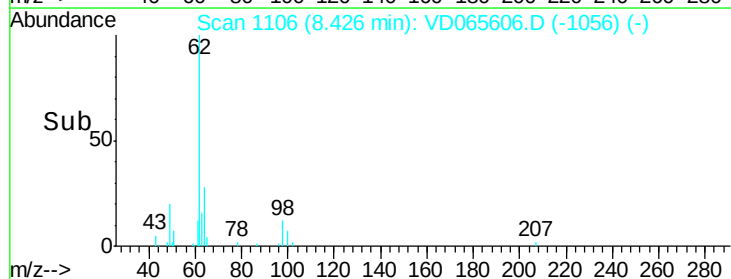
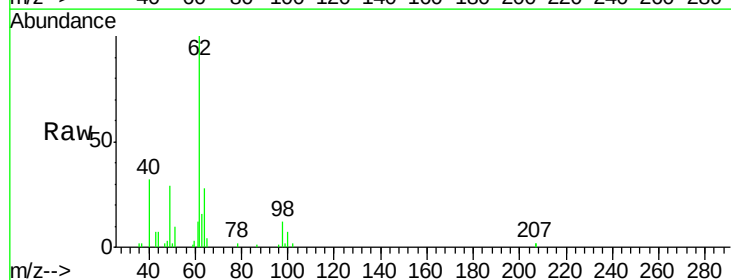
Acq: 09 Apr 2020 10:40

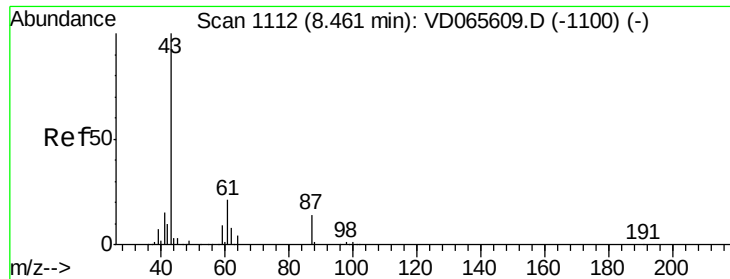
Tgt Ion: 62 Resp: 26847

Ion Ratio Lower Upper

62 100

98 10.8 0.0 21.0





#43

Isopropyl Acetate

Concen: 4.495 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

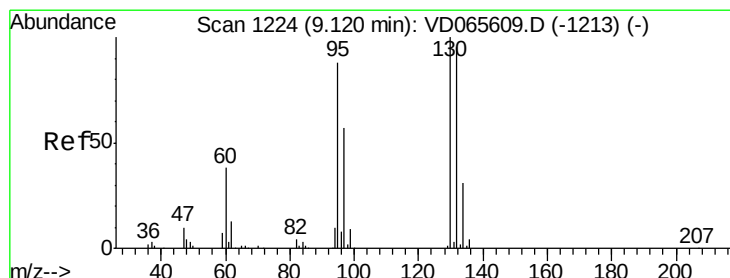
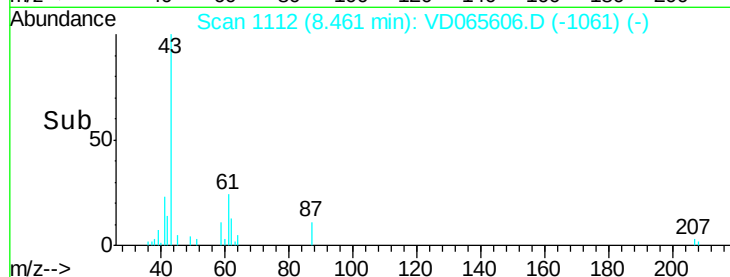
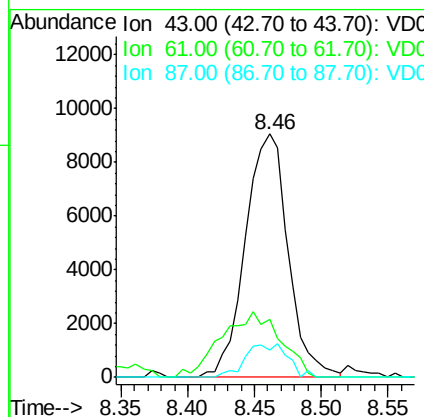
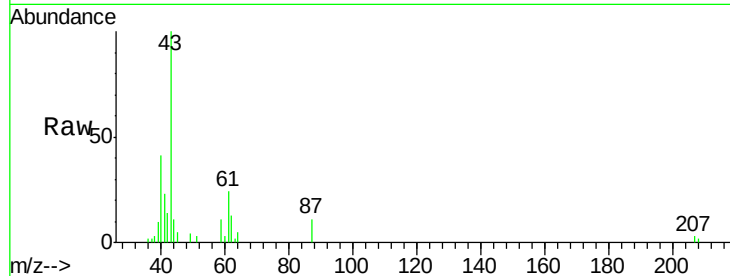
ClientSampleId :

VSTDIC005

Tot Ion:	43	Resp:	20095
Ion	Ratio	Lower	Upper
43	100		
61	37.5	25.9	38.9
87	13.6	10.9	16.3

Manual Integrations
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MMDadoda
4/10/2020 2:58:32 PM



#44

Trichloroethene

Concen: 5.176 ug/l

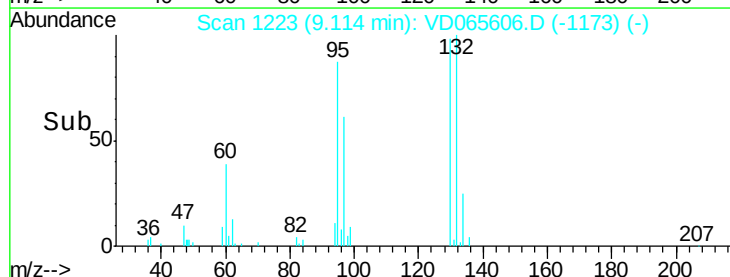
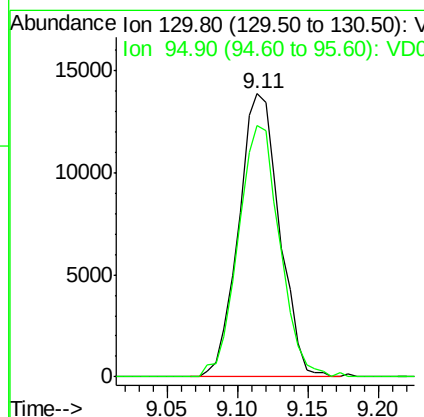
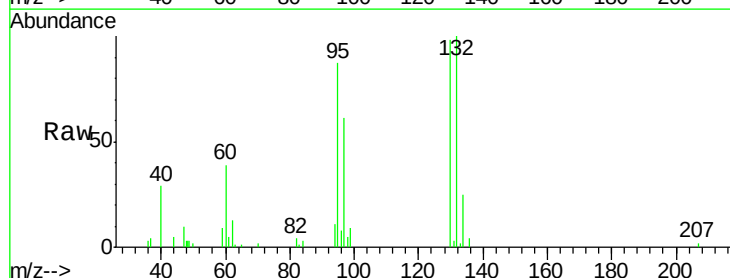
RT: 9.11 min Scan# 1223

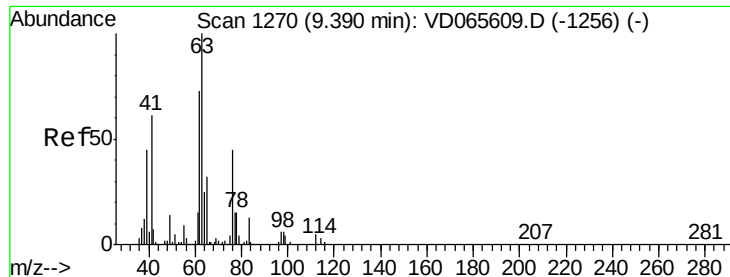
Delta R.T. -0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion:	130	Resp:	28044
Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	176.8





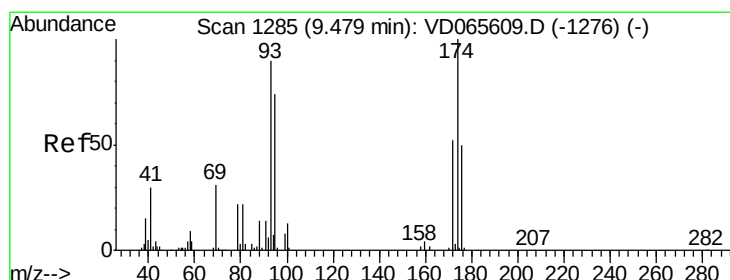
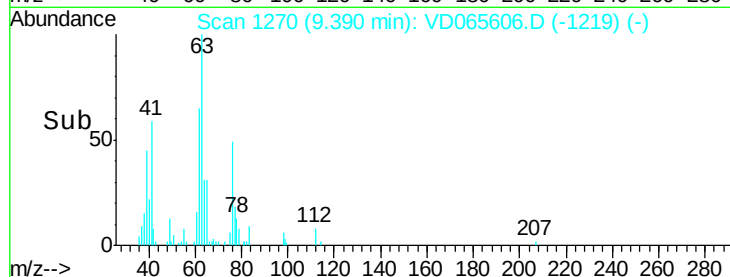
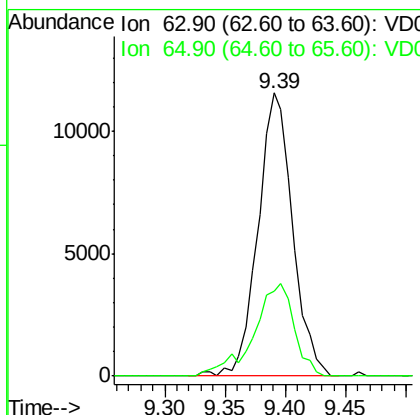
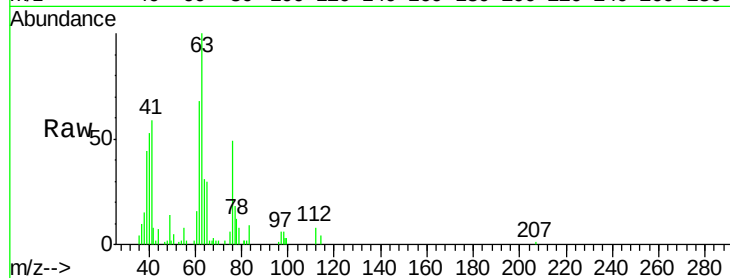
#45
 1,2-Dichloropropane
 Concen: 5.041 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.2	25.3	37.9

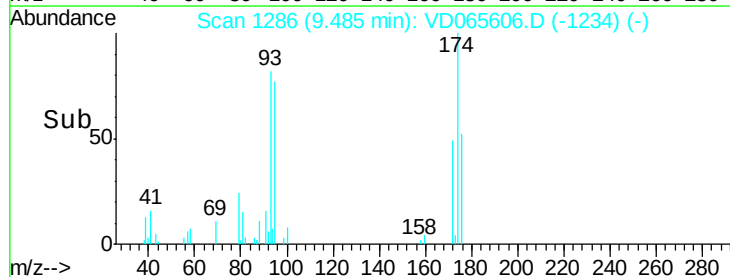
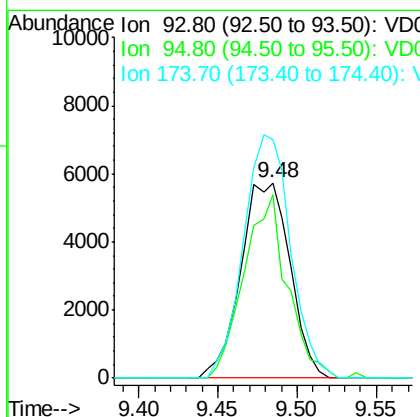
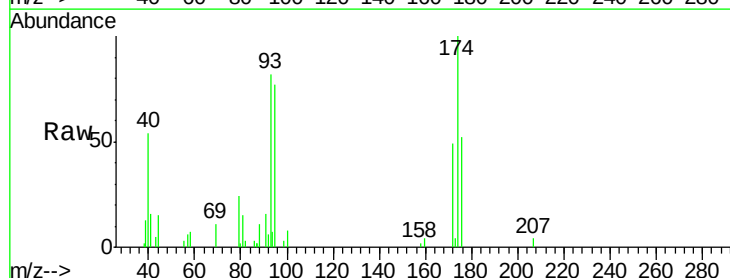
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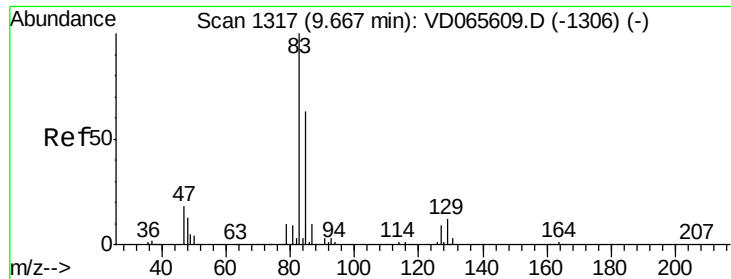
MMDadoda
 4/10/2020 2:58:32 PM



#46
 Dibromomethane
 Concen: 5.034 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	66.5	99.7
174	119.1	91.5	137.3





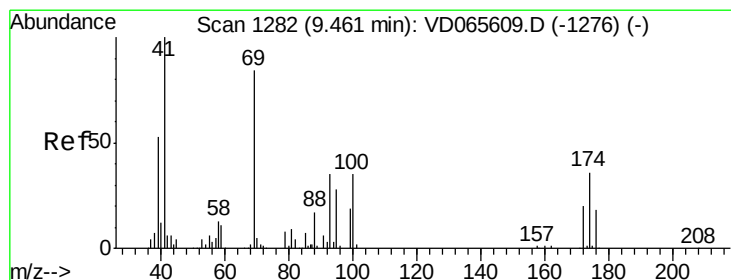
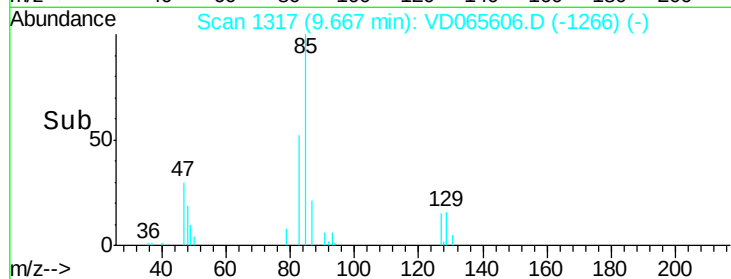
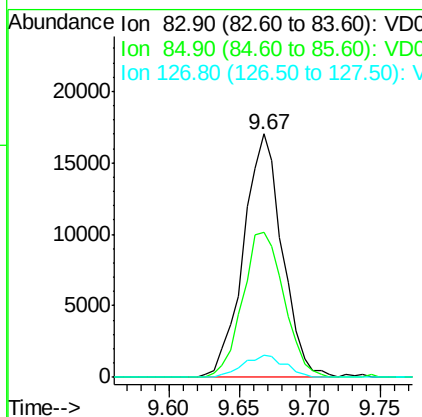
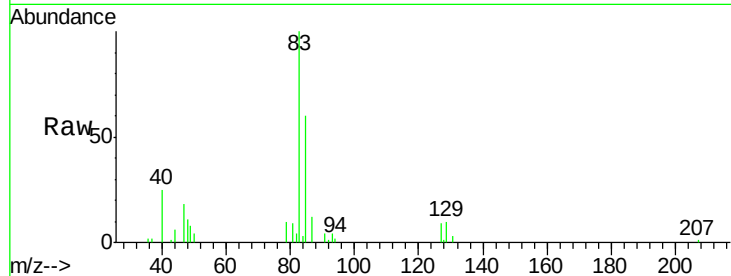
#47
 Bromodichloromethane
 Concen: 5.066 ug/l
 RT: 9.67 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	83	Resp	32779
Ion Ratio	100	Lower	Upper
83	100		
85	59.8	50.7	76.1
127	9.2	7.6	11.4

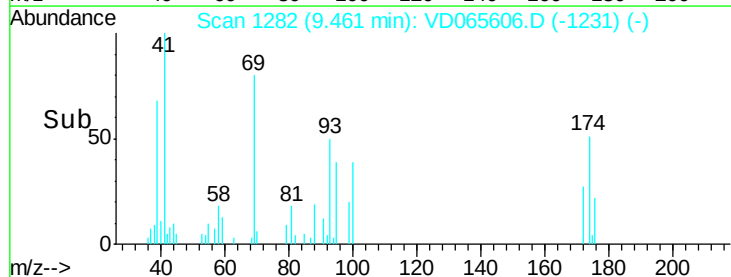
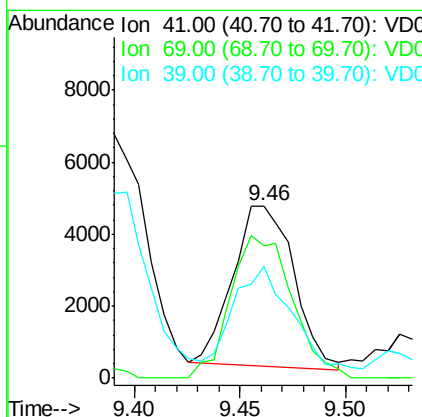
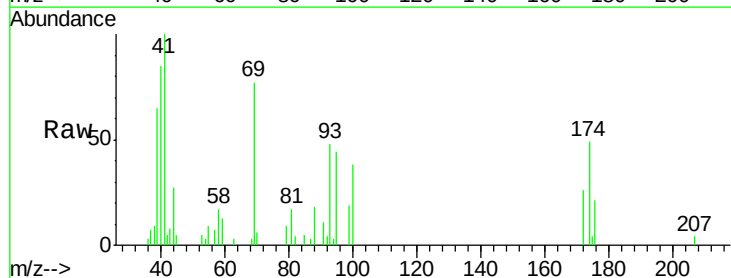
Manual Integrations
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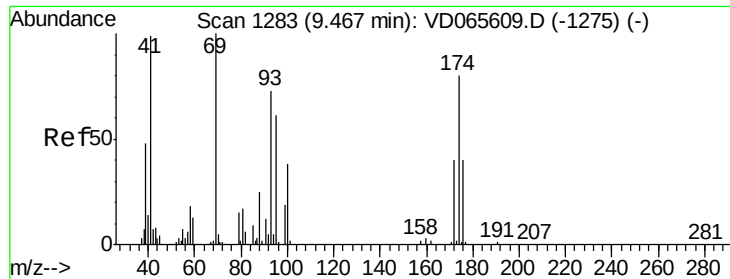
MMDadoda
 4/10/2020 2:58:32 PM



#48
 Methyl methacrylate
 Concen: 4.298 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	41	Resp	8910
Ion Ratio	100	Lower	Upper
41	100		
69	90.3	72.4	108.6
39	72.5	43.5	65.3#





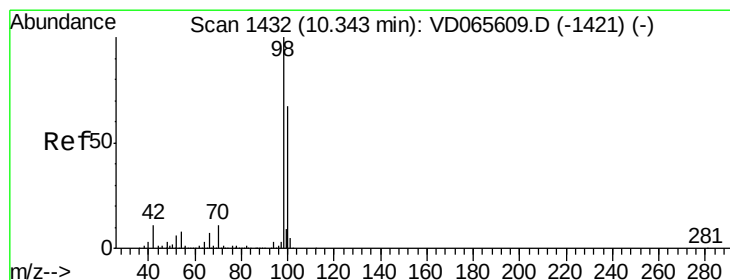
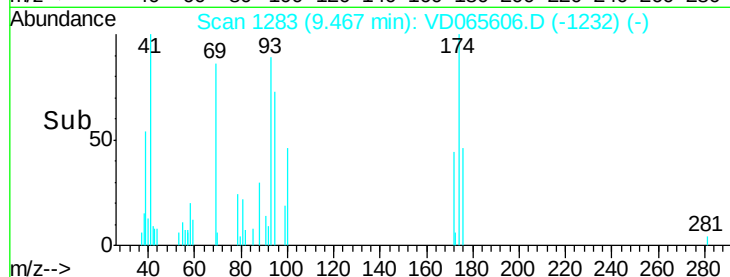
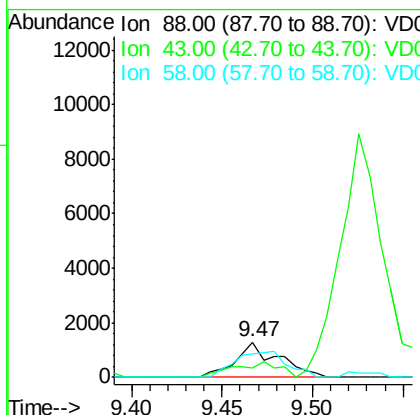
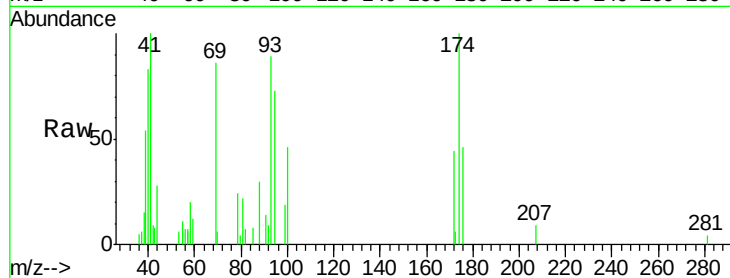
#49
1,4-Dioxane
Concen: 82.423 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
88	100		
43	46.1	29.8	44.8#
58	89.1	57.7	86.5#

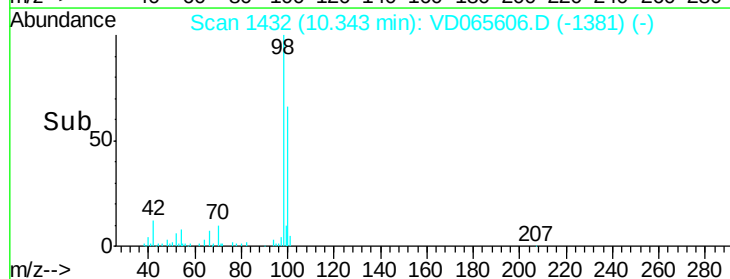
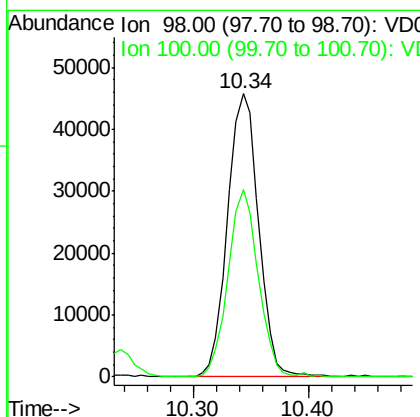
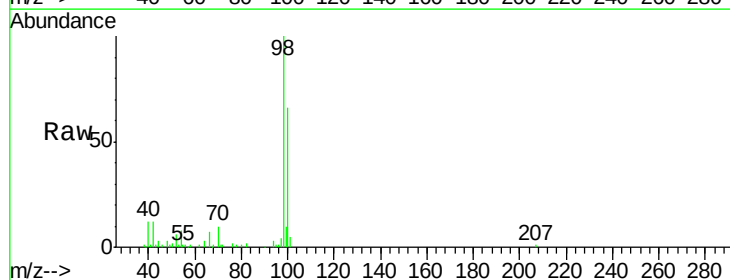
Manual Integrations
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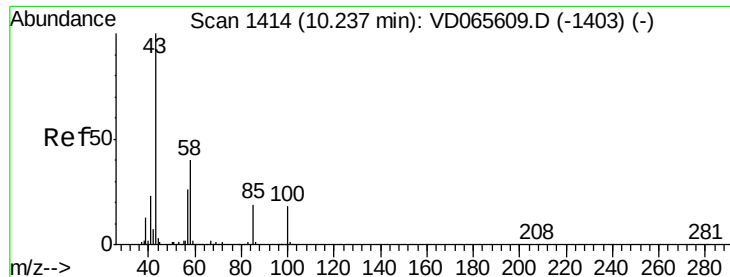
MMDadoda
4/10/2020 2:58:32 PM



#50
Toluene-d8
Concen: 5.223 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.6	79.0





#51

4-Methyl-2-Pentanone

Concen: 21.625 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 43 Resp: 49815

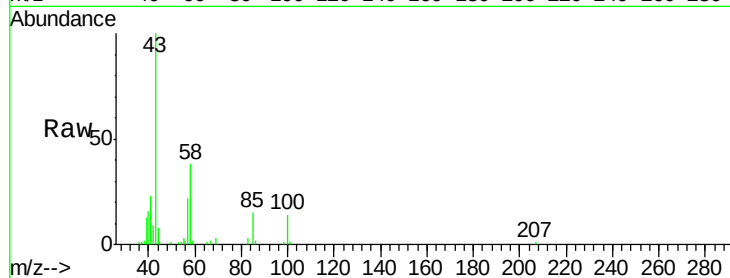
Ion Ratio Lower Upper

43 100

58 36.5 31.4 47.2

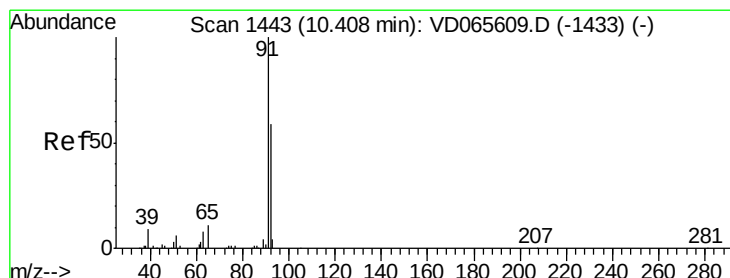
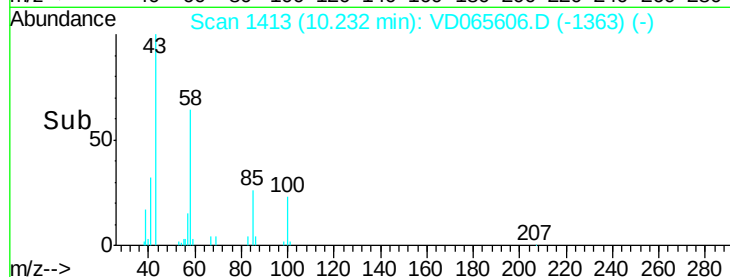
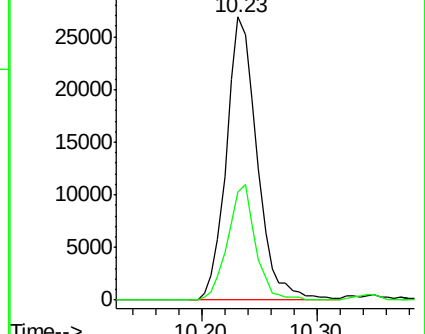
Manual Integrations
APPROVED

MMDadoda
4/10/2020 2:58:32 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 4.824 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065606.D

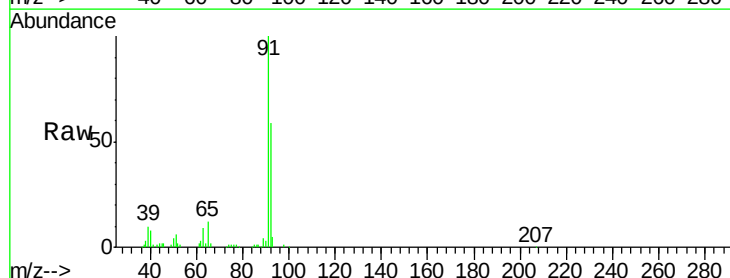
Acq: 09 Apr 2020 10:40

Tgt Ion: 92 Resp: 57504

Ion Ratio Lower Upper

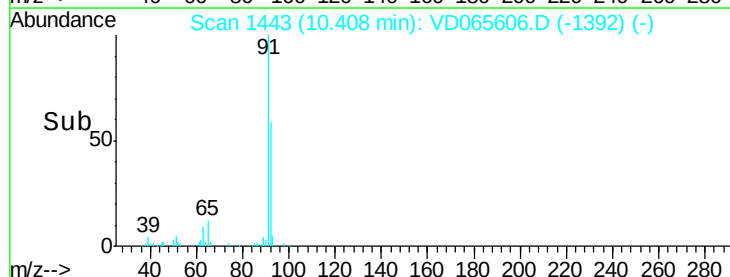
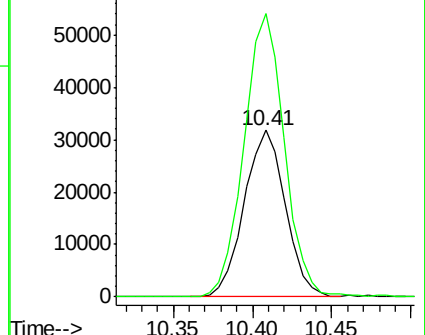
92 100

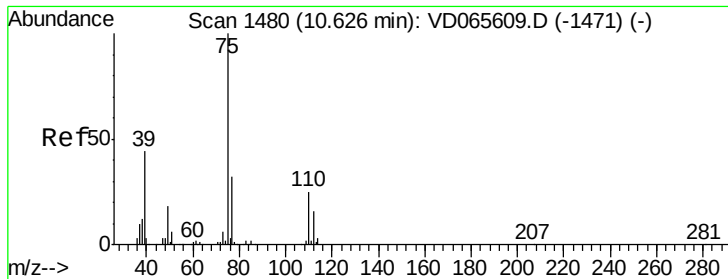
91 166.4 137.9 206.9



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





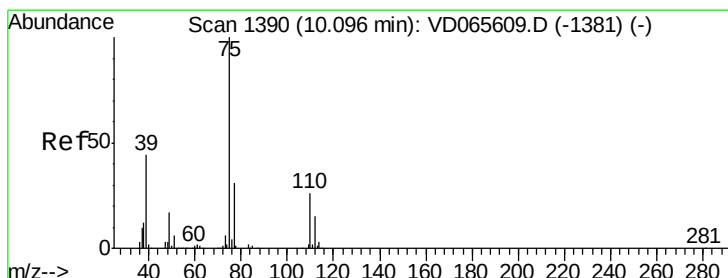
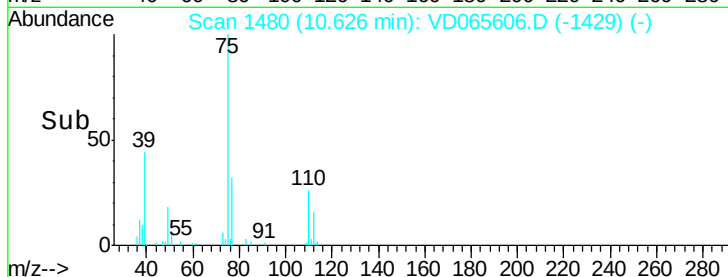
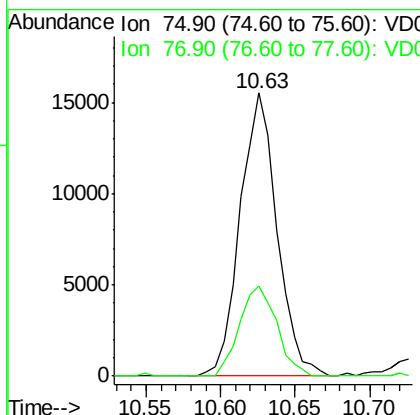
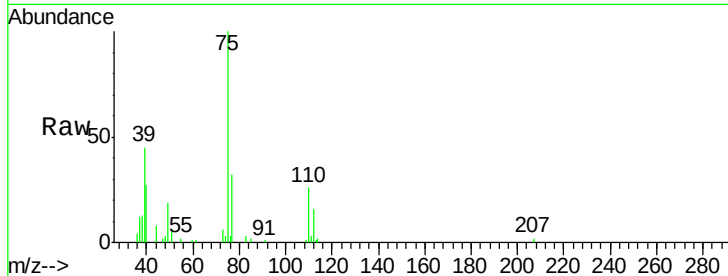
#53
 t-1,3-Dichloropropene
 Concen: 4.624 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0

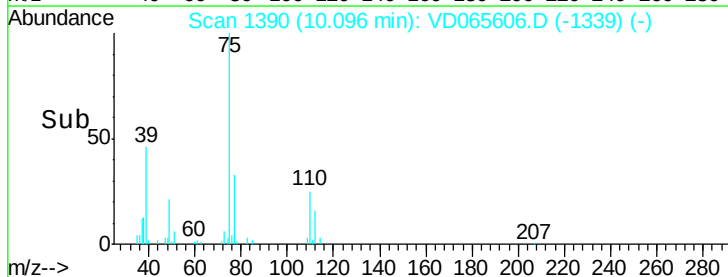
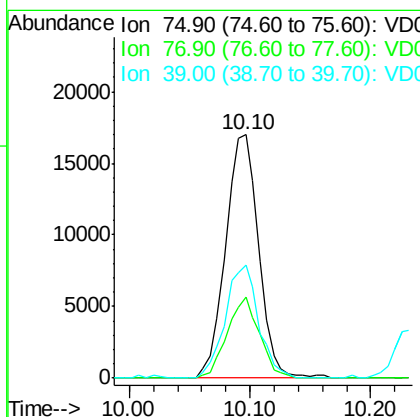
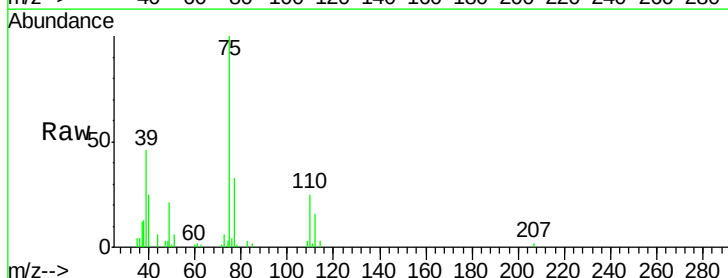
Manual Integrations
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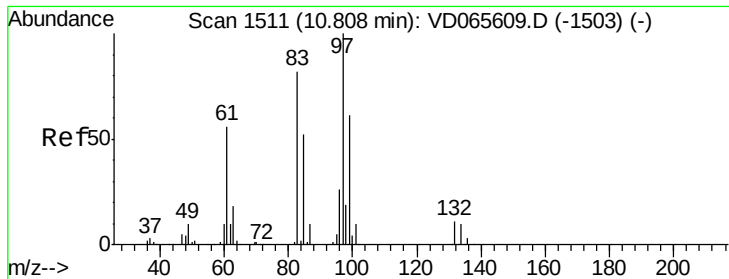
MMDadoda
 4/10/2020 2:58:32 PM



#54
 cis-1,3-Dichloropropene
 Concen: 4.593 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.4	24.5	36.7
39	46.3	35.5	53.3





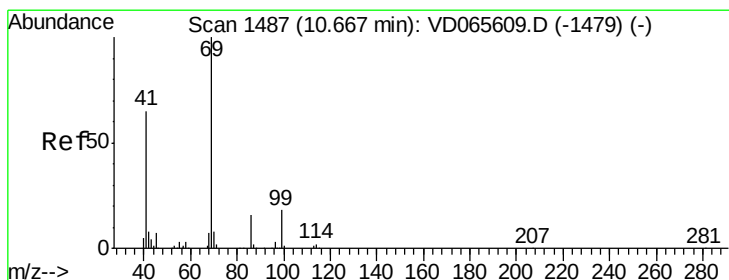
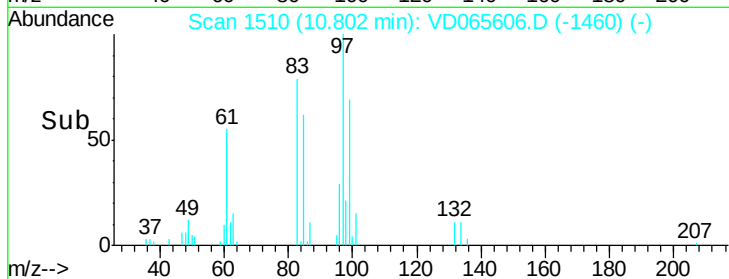
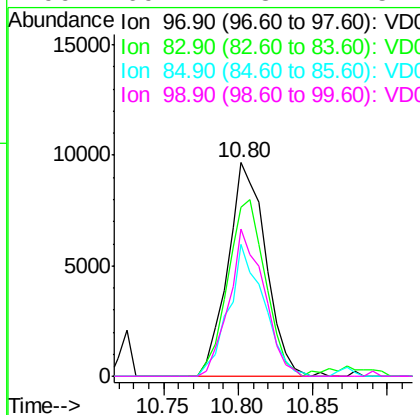
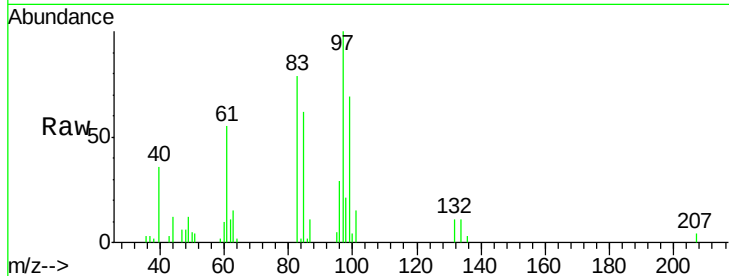
#55
 1,1,2-Trichloroethane
 Concen: 4.949 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion:	97	Resp:	17137
Ion	Ratio	Lower	Upper
97	100		
83	79.1	65.7	98.5
85	61.8	41.6	62.4
99	69.1	48.7	73.1

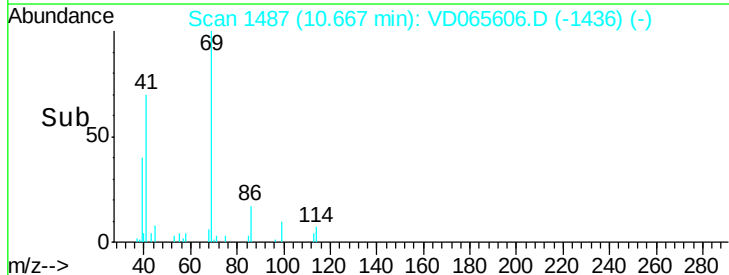
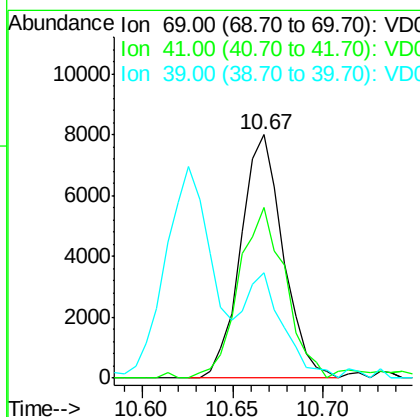
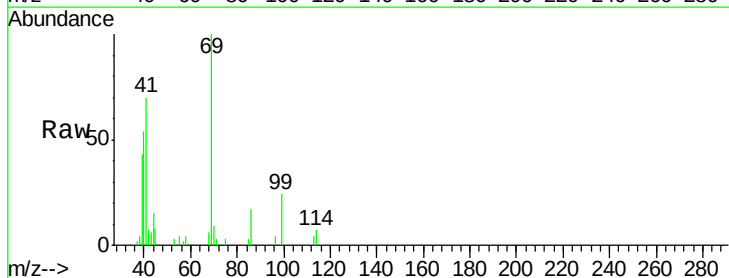
Manual Integrations
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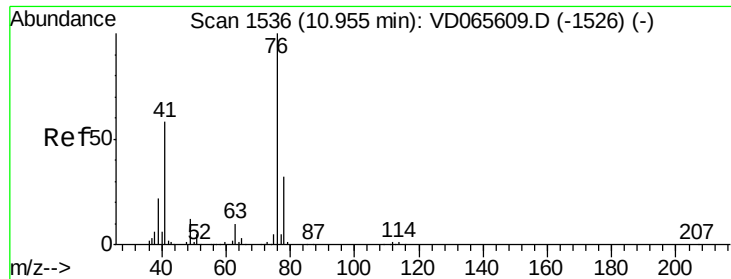
MMDadoda
 4/10/2020 2:58:32 PM



#56
 Ethyl methacrylate
 Concen: 3.722 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion:	69	Resp:	12998
Ion	Ratio	Lower	Upper
69	100		
41	77.5	54.4	81.6
39	39.8	26.5	39.7#





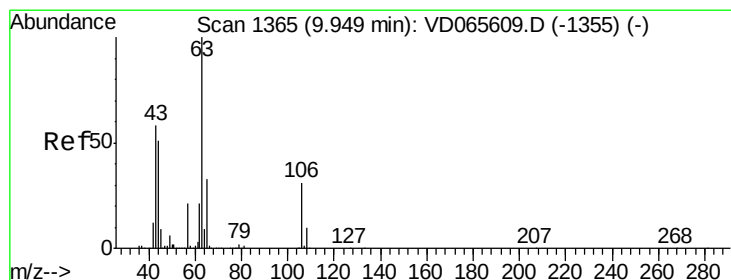
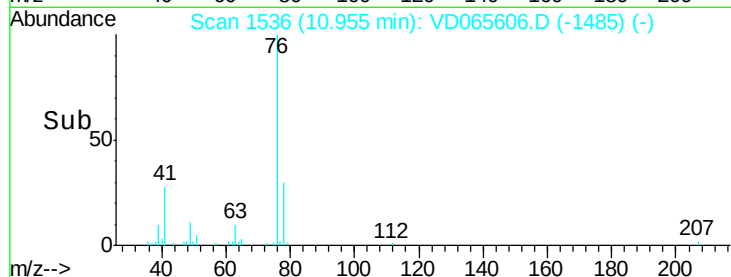
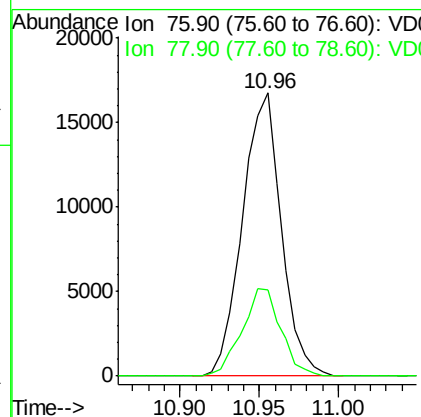
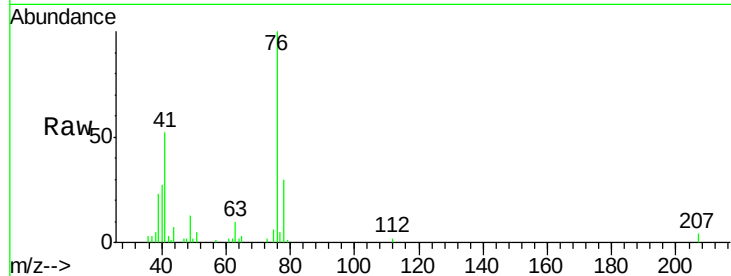
#57
 1,3-Dichloropropane
 Concen: 4.971 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion: 76 Resp: 28512
 Ion Ratio Lower Upper
 76 100
 78 31.2 26.0 39.0

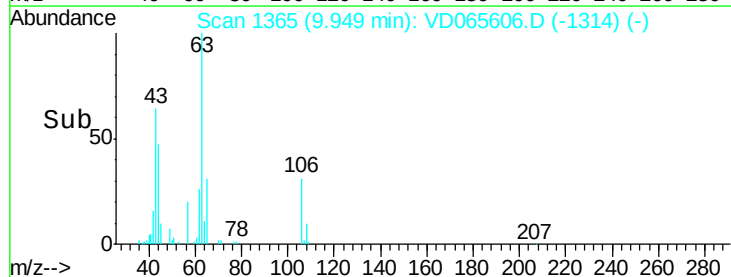
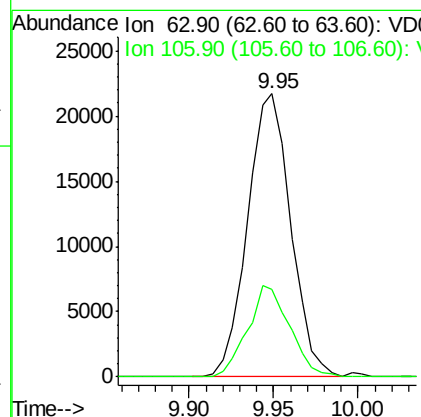
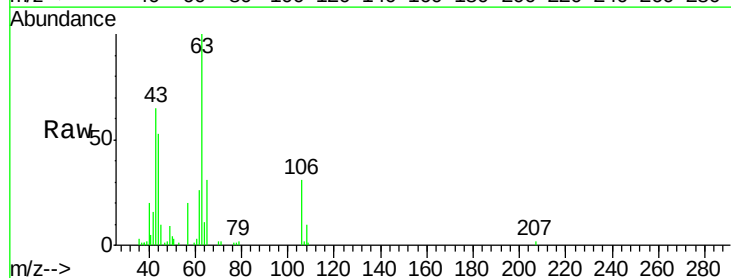
Manual Integrations
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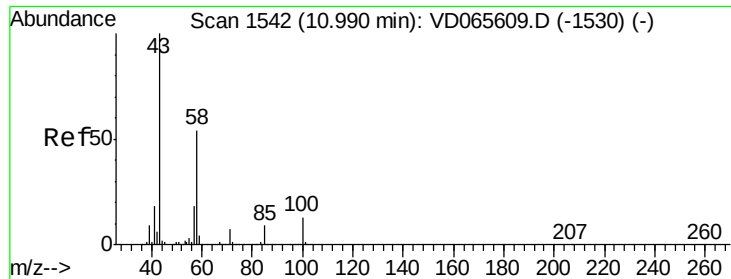
MMDadoda
 4/10/2020 2:58:32 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 21.064 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion: 63 Resp: 38632
 Ion Ratio Lower Upper
 63 100
 106 31.2 24.2 36.2





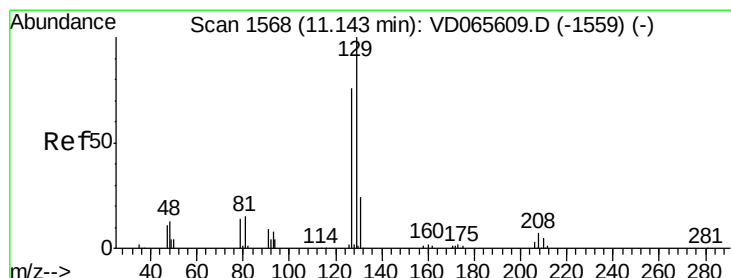
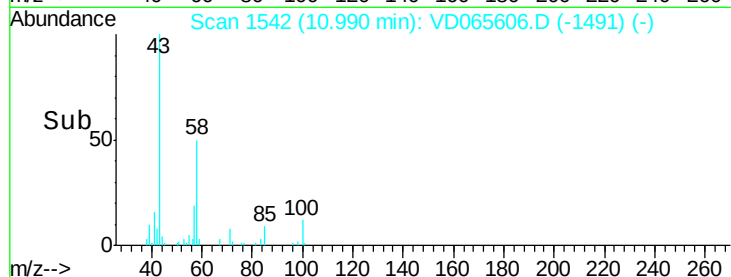
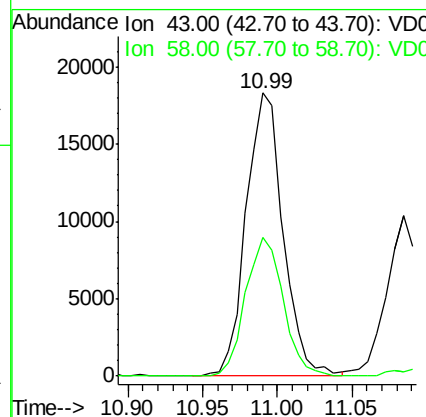
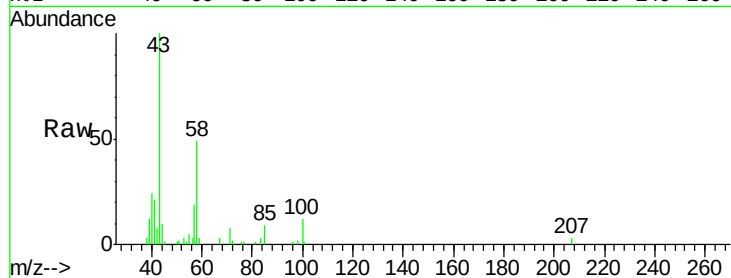
#59
2-Hexanone
Concen: 20.512 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	43	Resp	31403
Ion Ratio	100	Lower	Upper
43	100		
58	50.0	27.1	81.3

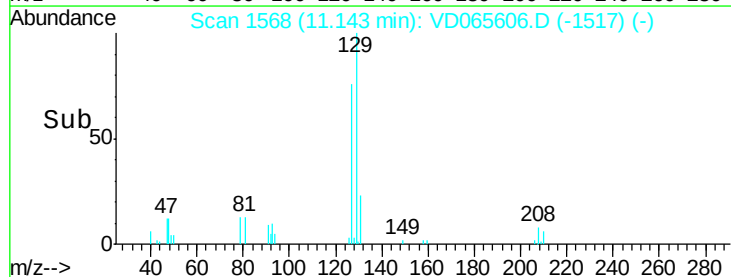
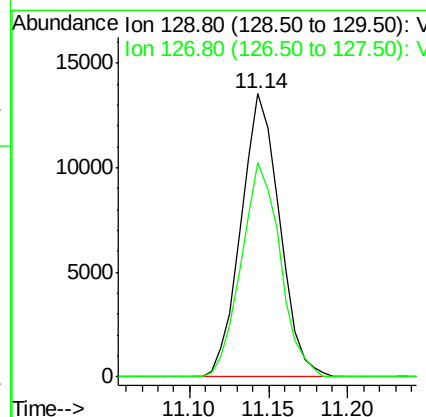
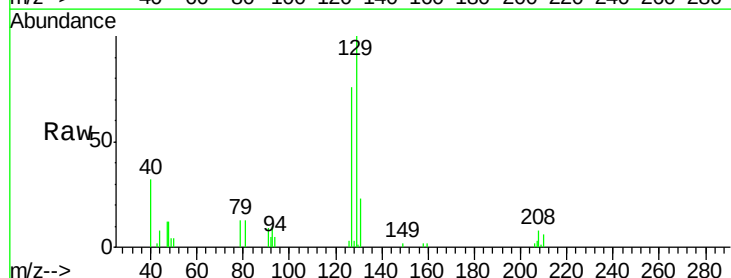
Manual Integrations
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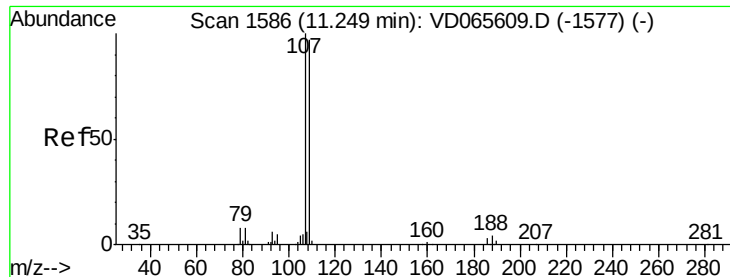
MMDadoda
4/10/2020 2:58:32 PM



#60
Dibromochloromethane
Concen: 4.972 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	129	Resp	22930
Ion Ratio	100	Lower	Upper
129	100		
127	76.0	38.1	114.3





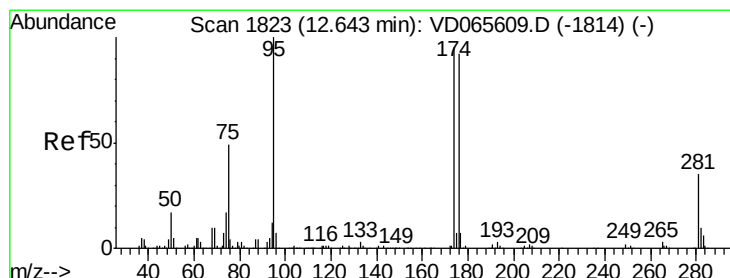
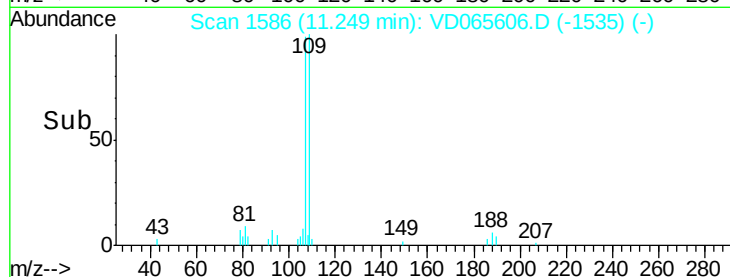
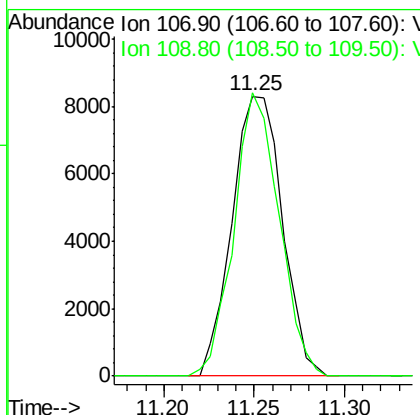
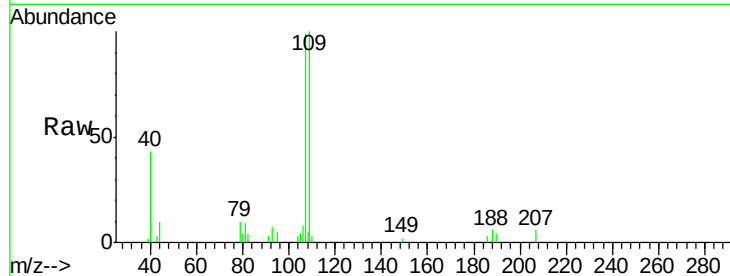
#61
 1,2-Dibromoethane
 Concen: 4.882 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.7	74.9	112.3

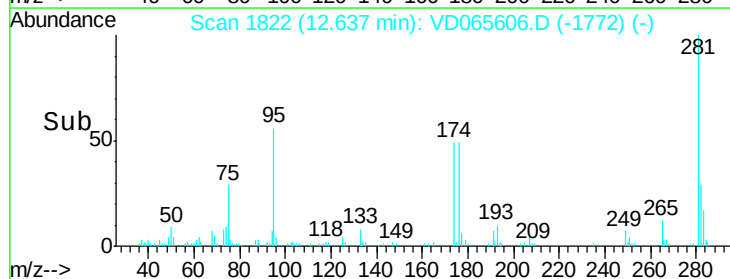
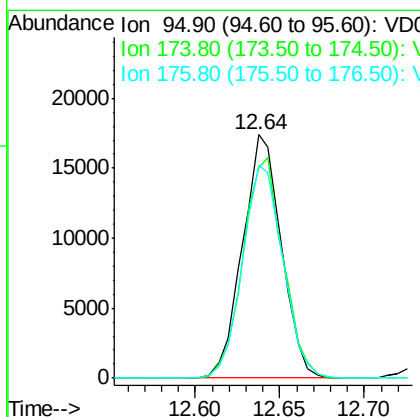
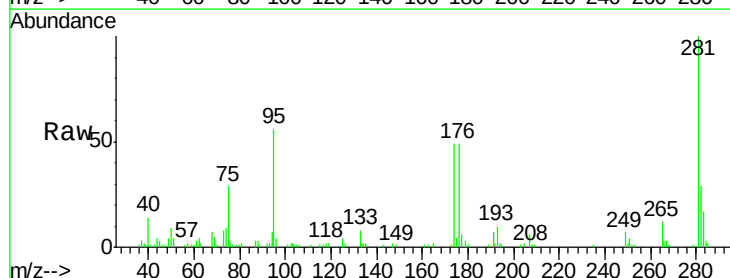
Manual Integrations
 APPROVED

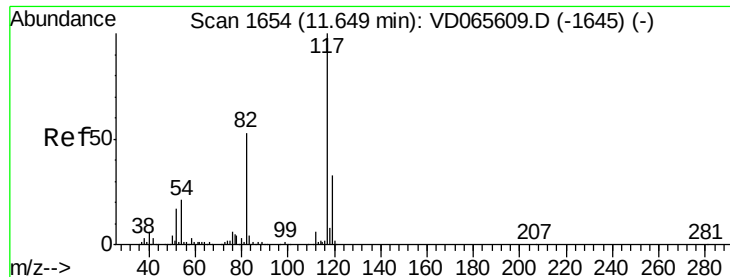
MMDadoda
 4/10/2020 2:58:32 PM



#62
 4-Bromofluorobenzene
 Concen: 5.287 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.01 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	182.8
176	91.4	0.0	176.6





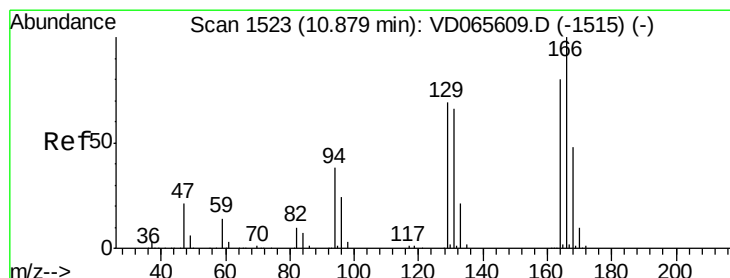
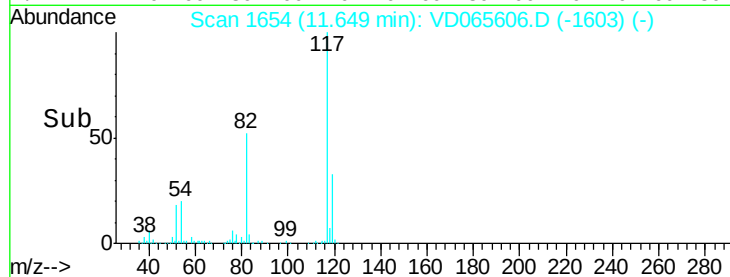
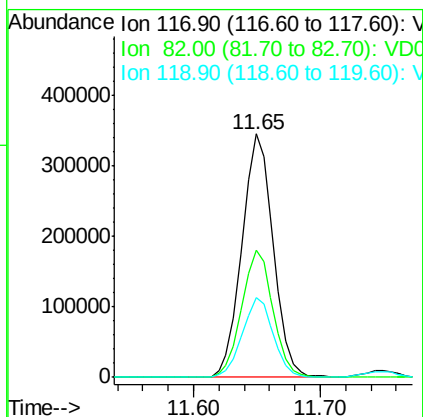
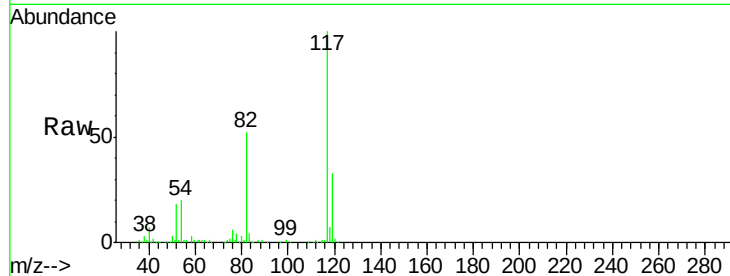
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Resp	Lower	Upper
117	100	592833		
82	52.1		42.6	64.0
119	32.5		26.7	40.1

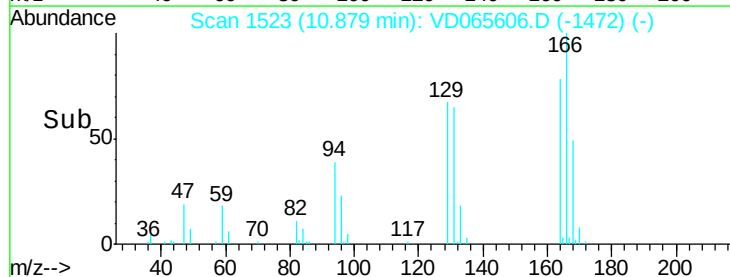
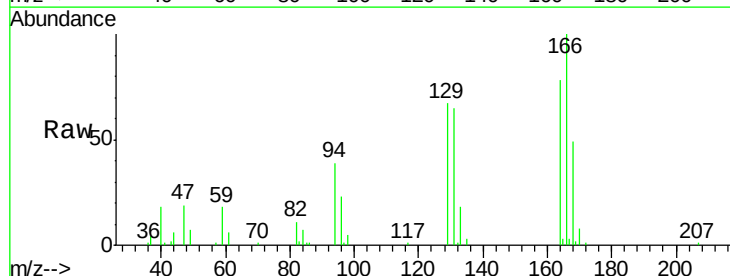
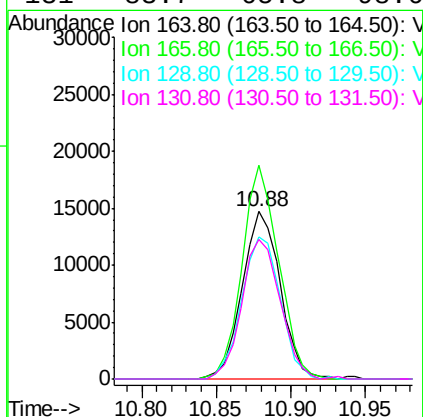
Manual Integrations
APPROVED

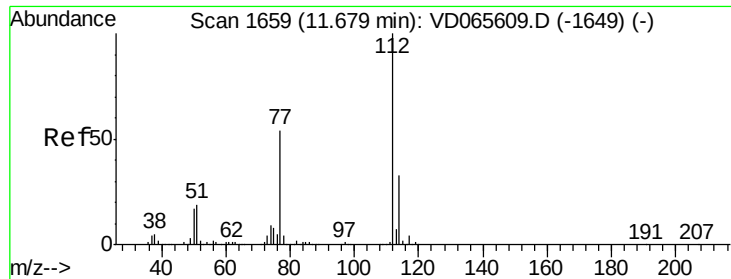
MMDadoda
4/10/2020 2:58:32 PM



#64
Tetrachloroethene
Concen: 5.514 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	26002		
166	127.8		100.2	150.2
129	85.4		69.5	104.3
131	83.7		65.8	98.6





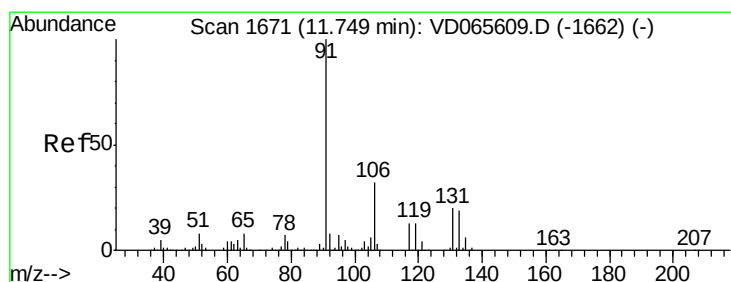
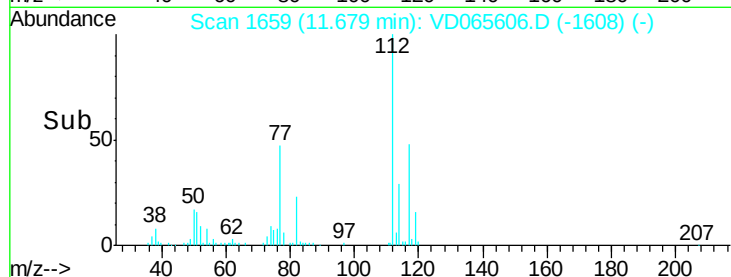
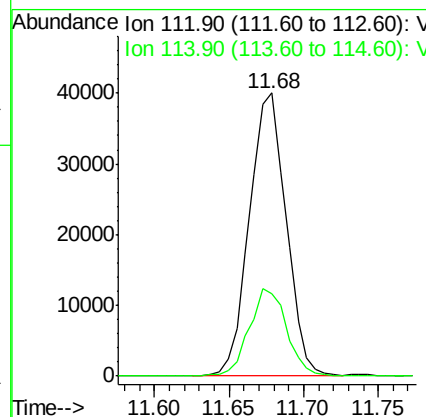
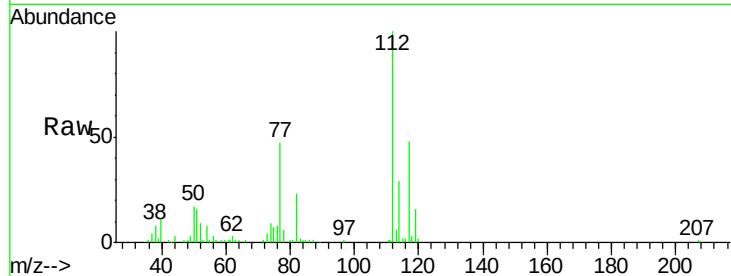
#65
Chlorobenzene
Concen: 5.315 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
112	100		
114	29.2	26.2	39.2

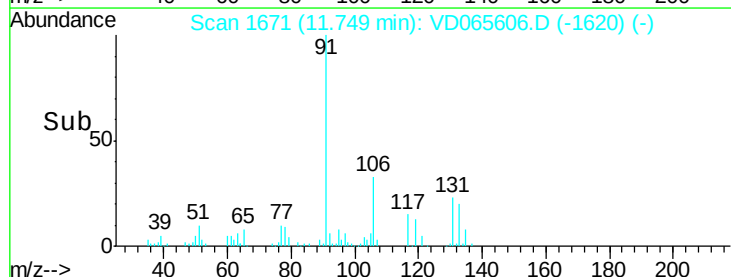
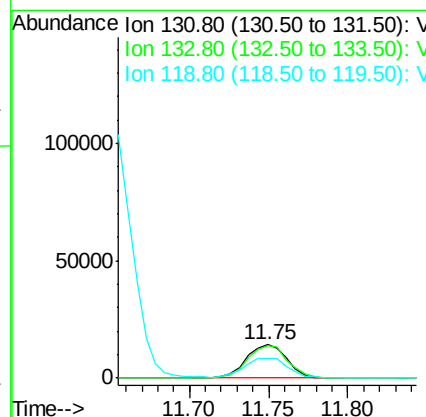
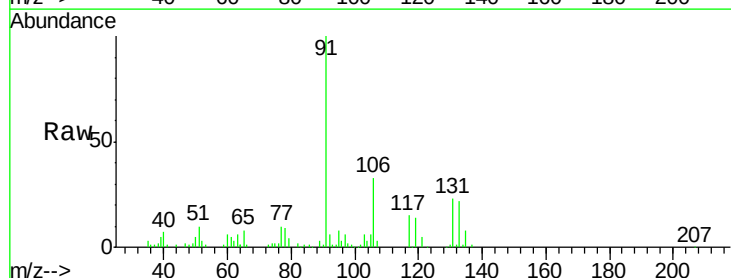
Manual Integrations
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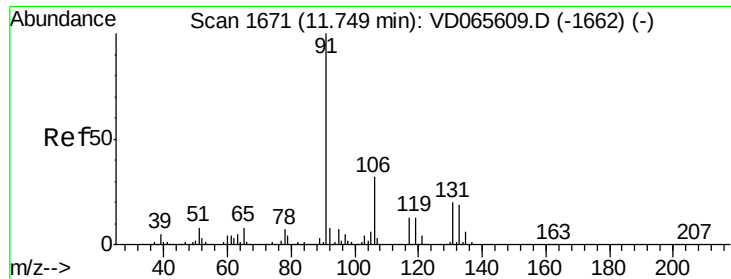
MMDadoda
4/10/2020 2:58:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 5.240 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.6	47.3	142.0
119	63.5	31.9	95.9





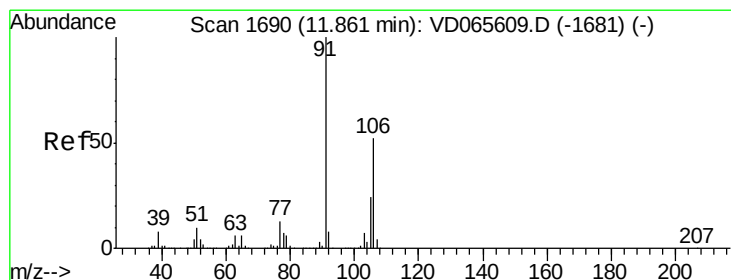
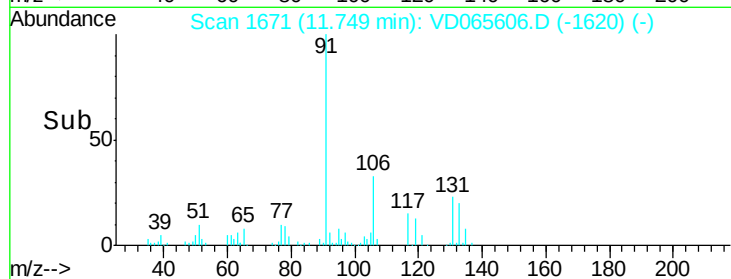
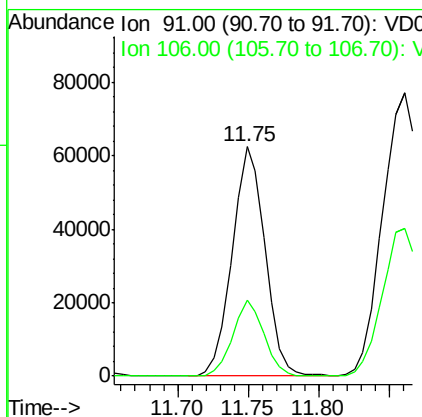
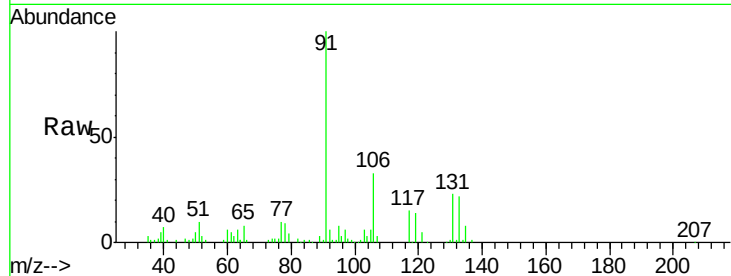
#67
Ethyl Benzene
Concen: 4.789 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion: 91 Resp: 101541
Ion Ratio Lower Upper
91 100
106 33.2 25.6 38.4

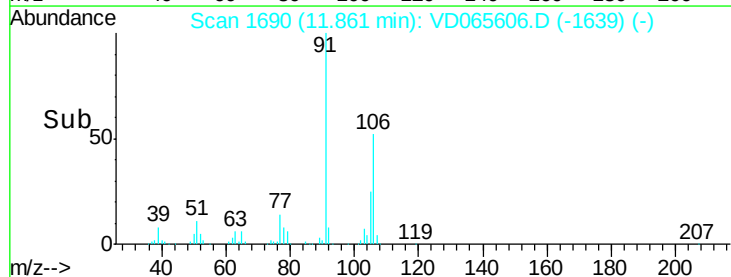
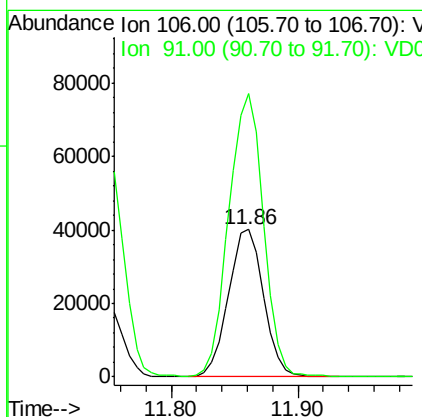
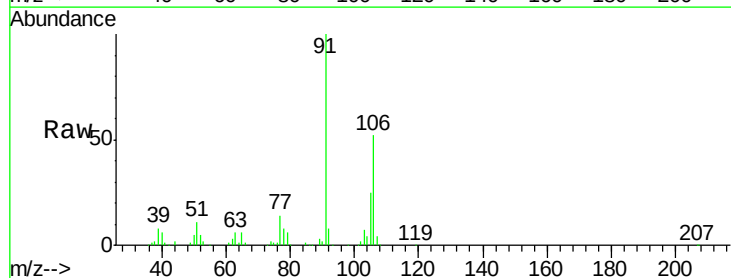
Manual Integrations
APPROVED

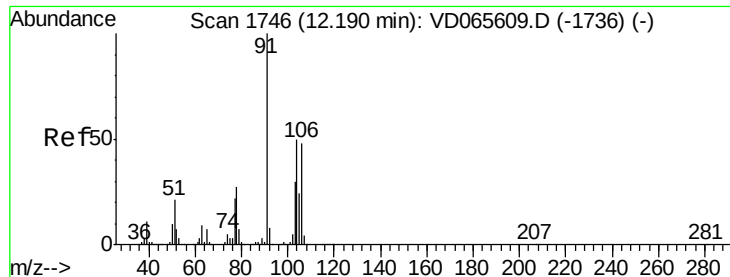
MMDadoda
4/10/2020 2:58:32 PM



#68
m/p-Xylenes
Concen: 9.178 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion: 106 Resp: 76767
Ion Ratio Lower Upper
106 100
91 190.7 155.0 232.4





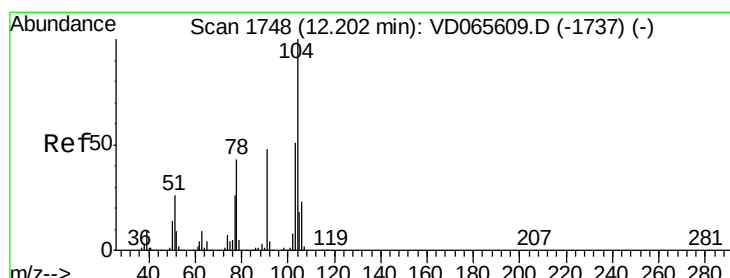
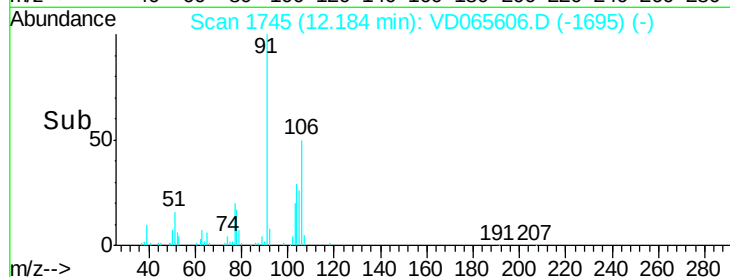
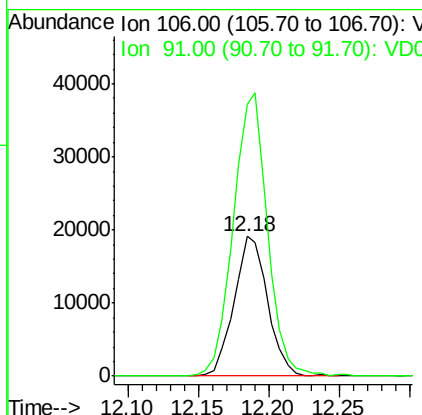
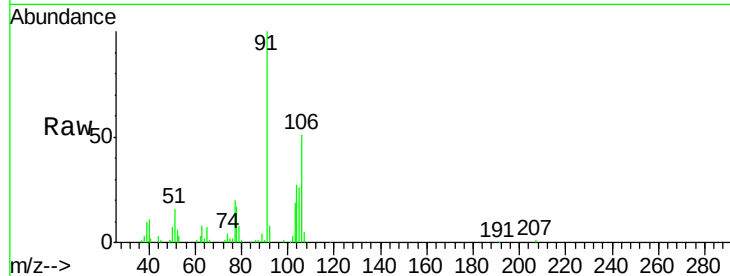
#69
o-Xylene
Concen: 4.386 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
106	100		
91	206.4	103.8	311.3

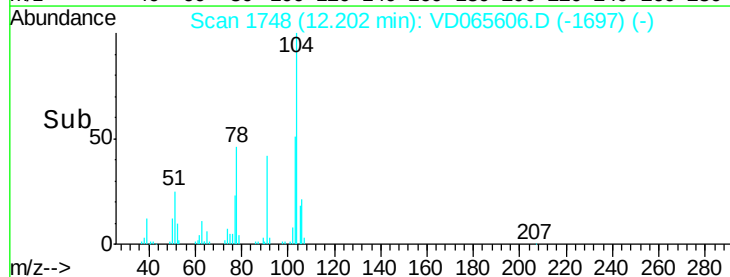
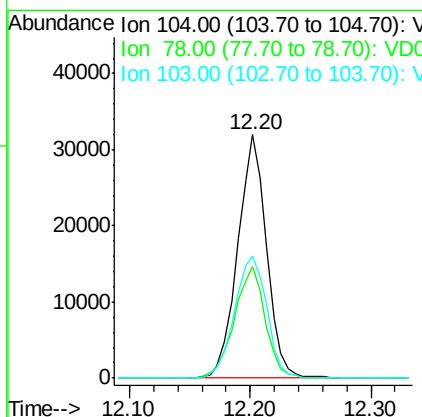
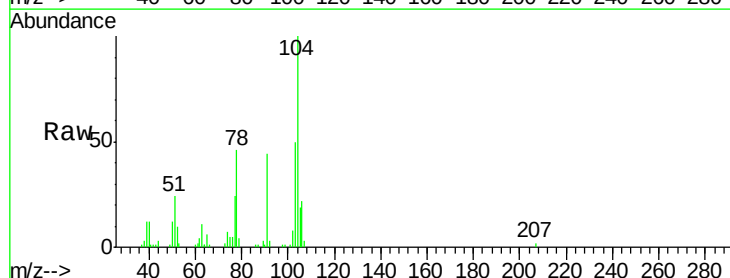
Manual Integrations
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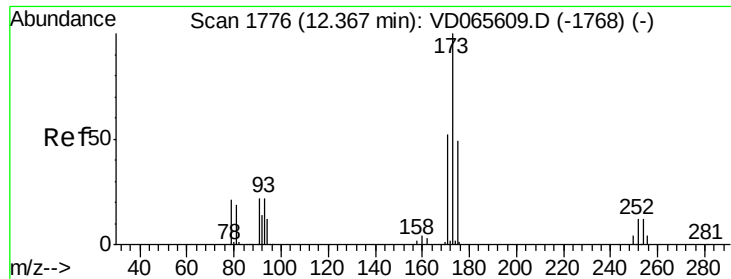
MMDadoda
4/10/2020 2:58:32 PM



#70
Styrene
Concen: 4.168 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.9	37.1	55.7
103	56.1	43.2	64.8





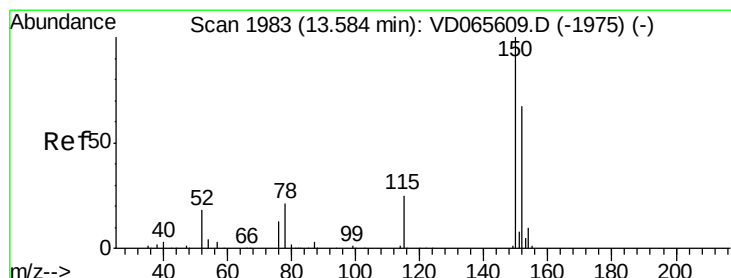
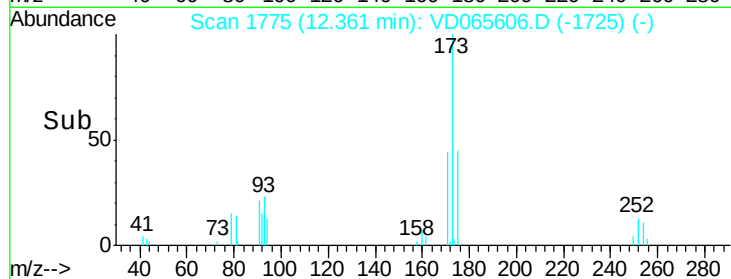
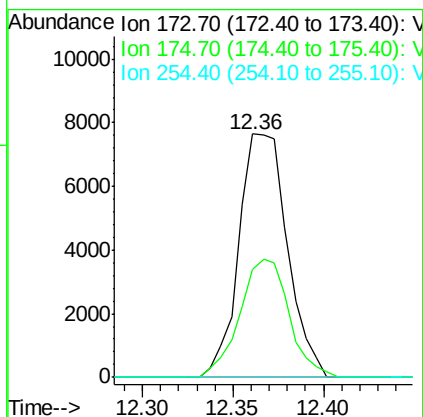
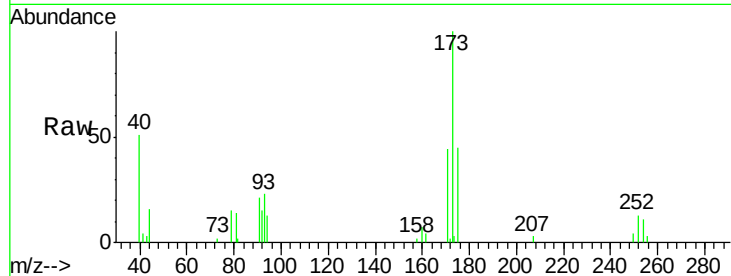
#71
Bromoform
Concen: 5.187 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.5	73.5
254	0.0	0.0	0.0

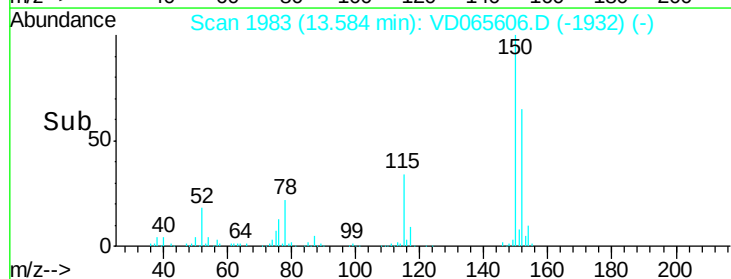
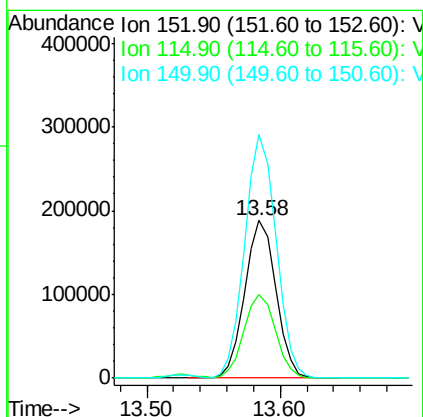
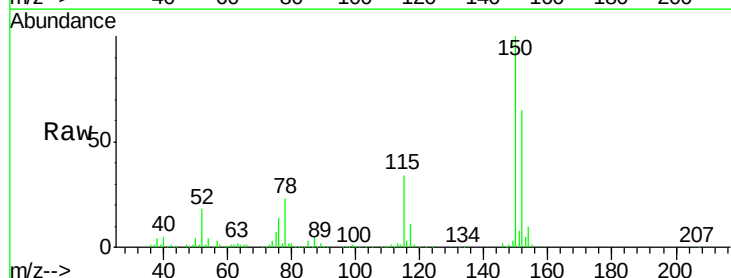
Manual Integrations
APPROVED

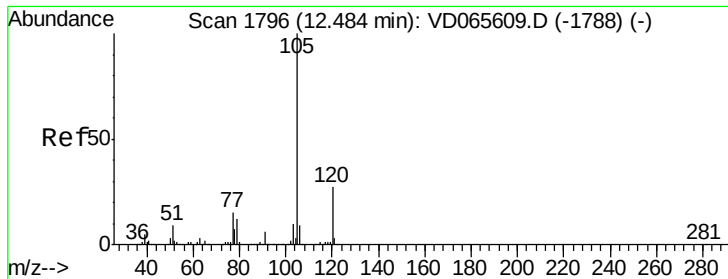
MMDadoda
4/10/2020 2:58:32 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.0	27.1	81.2
150	156.9	0.0	348.2





#73

Isopropylbenzene

Concen: 4.495 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 105 Resp: 86721

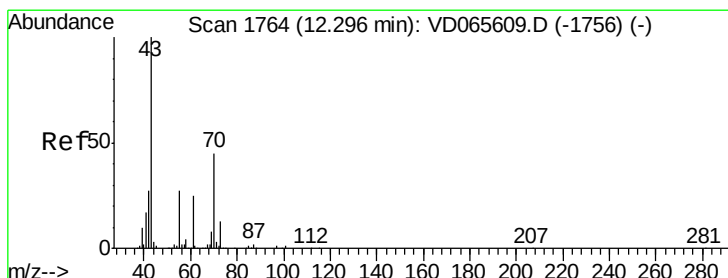
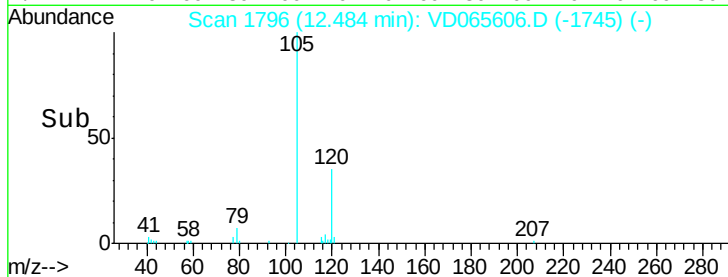
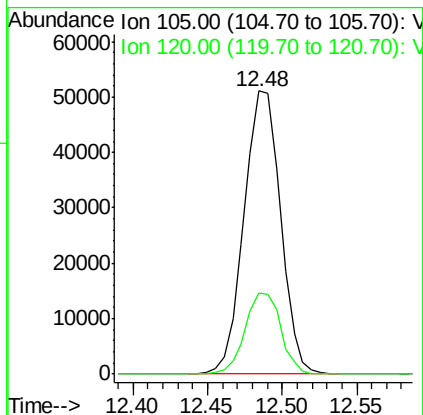
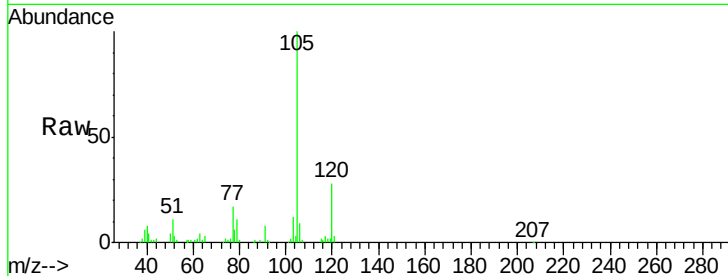
Ion Ratio Lower Upper

105 100

120 27.8 13.8 41.3

Manual Integrations
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4/10/2020 2:58:32 PM



#74

N-ethyl acetate

Concen: 4.069 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion: 43 Resp: 15550

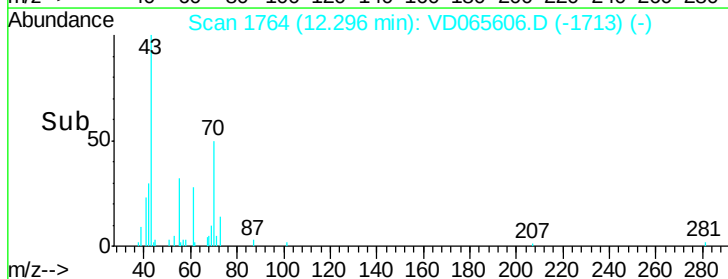
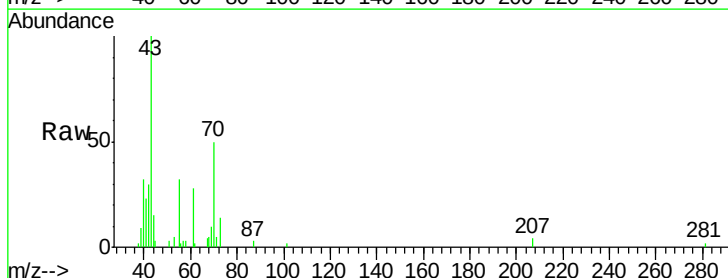
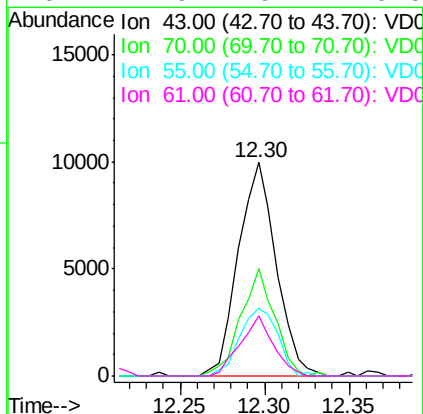
Ion Ratio Lower Upper

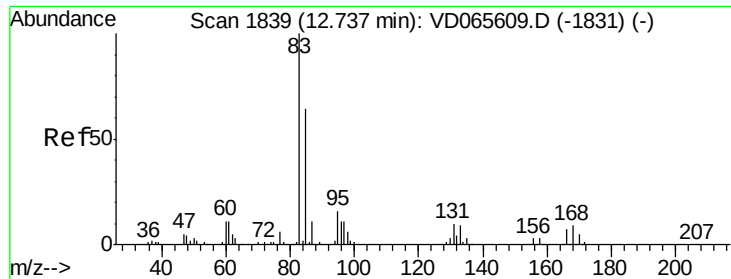
43 100

70 45.2 35.2 52.8

55 31.7 22.5 33.7

61 24.9 19.4 29.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.163 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

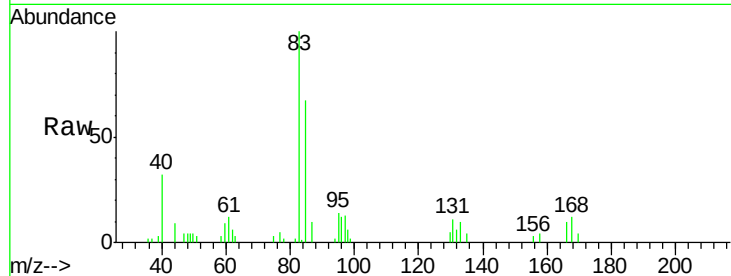
ClientSampleId :

VSTDIC005

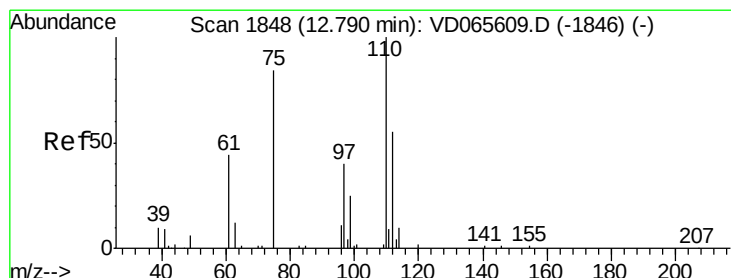
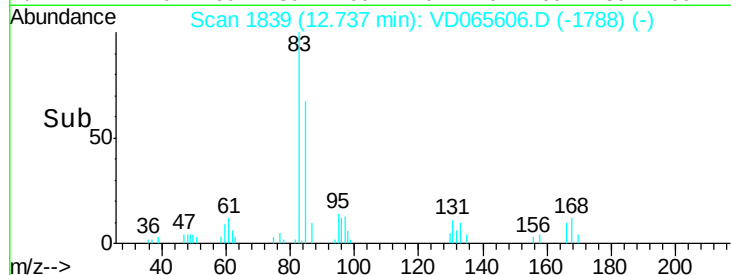
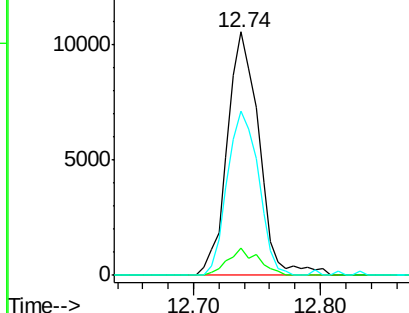
Tot Ion:	83	Resp:	18312
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.7	17.0
85	66.4	31.8	95.4

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 2.351 ug/l m

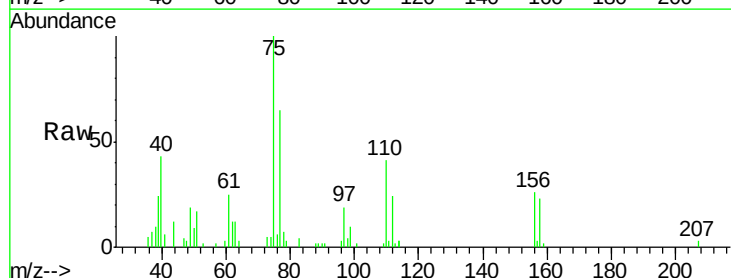
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

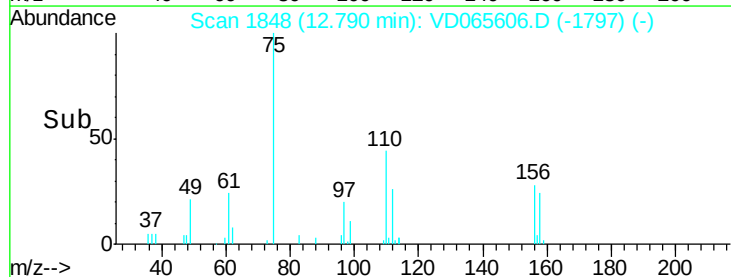
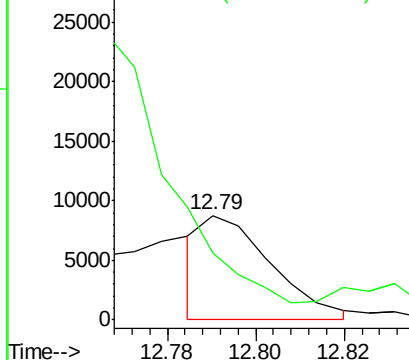
Lab File: VD065606.D

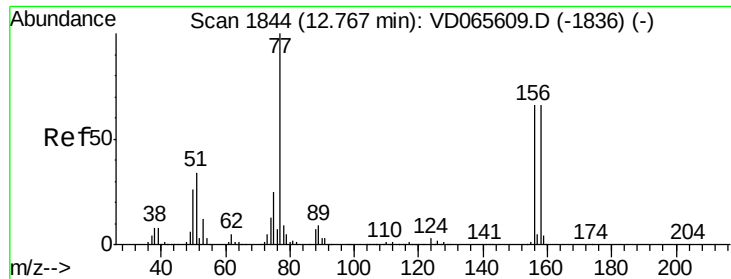
Acq: 09 Apr 2020 10:40

Tgt Ion:	75	Resp:	9564
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





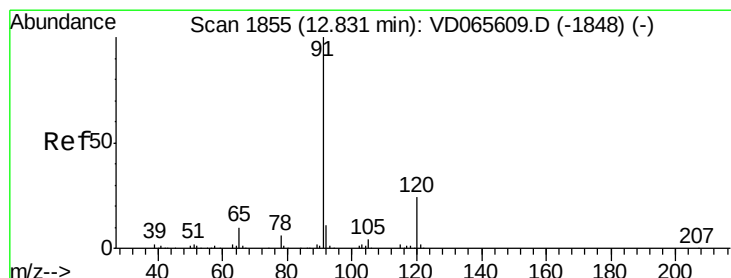
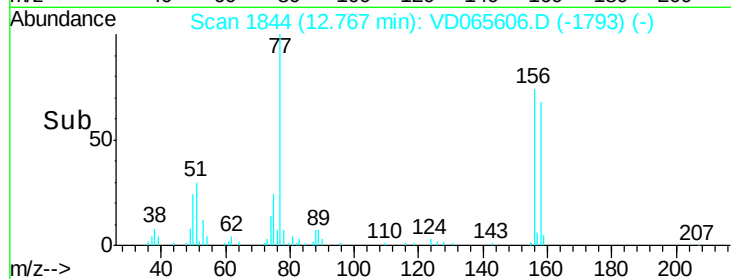
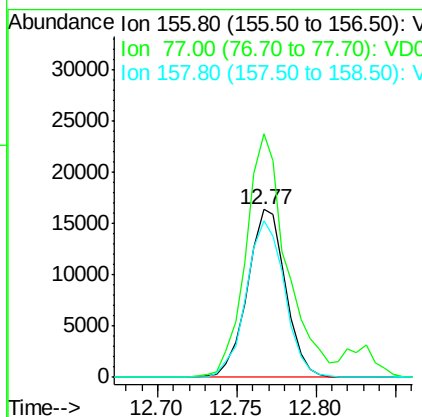
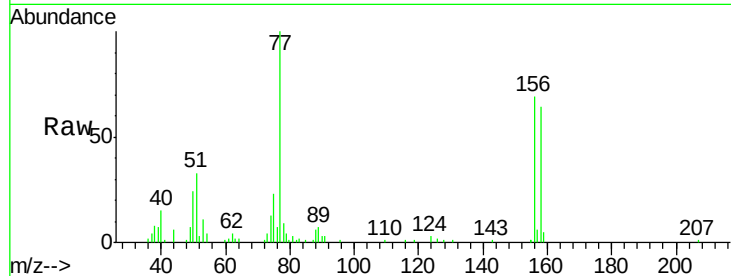
#77
Bromobenzene
Concen: 5.169 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
156	100		
77	155.4	80.3	240.9
158	94.0	48.5	145.5

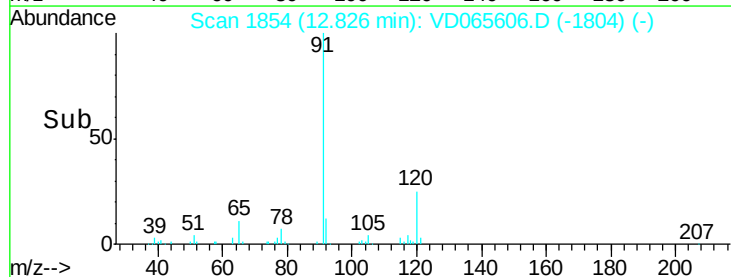
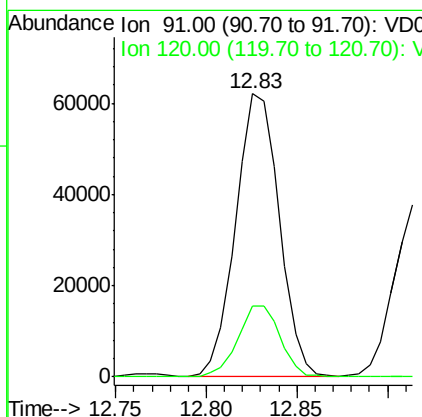
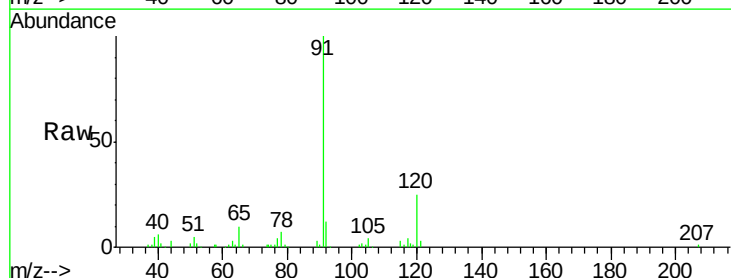
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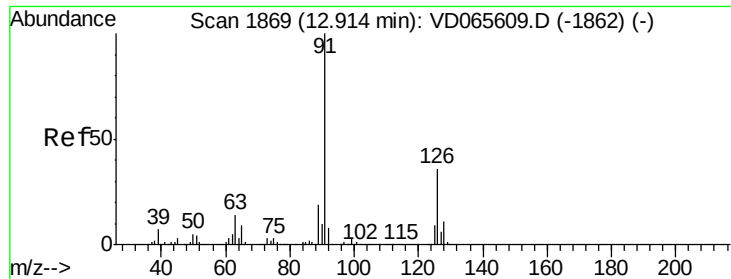
MMDadoda
4/10/2020 2:58:32 PM



#78
n-propylbenzene
Concen: 4.447 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.4	11.9	35.5





#79

2-Chlorotoluene

Concen: 4.788 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion: 91 Resp: 63900

Ion Ratio Lower Upper

91 100

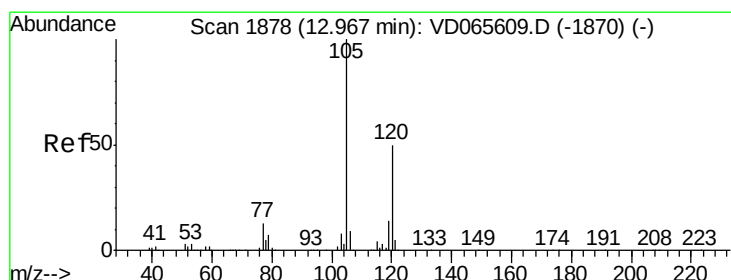
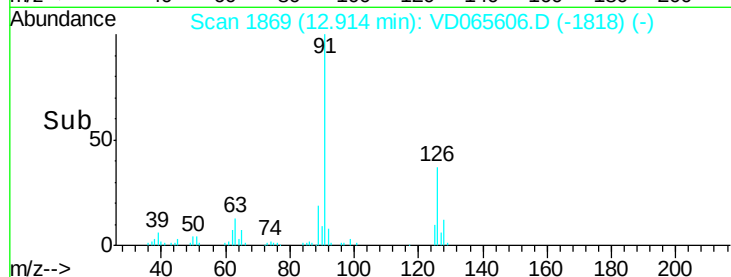
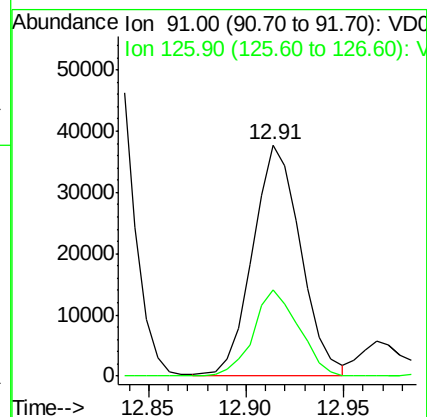
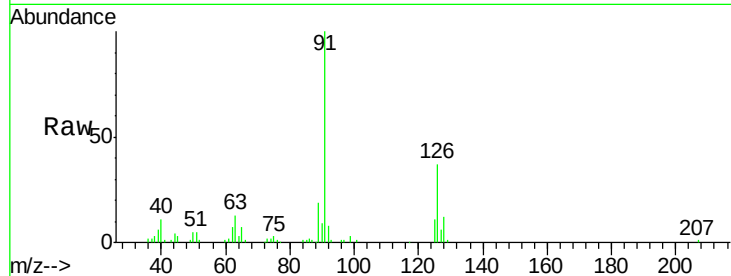
126 35.1 18.0 54.0

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#80

1,3,5-Trimethylbenzene

Concen: 4.436 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065606.D

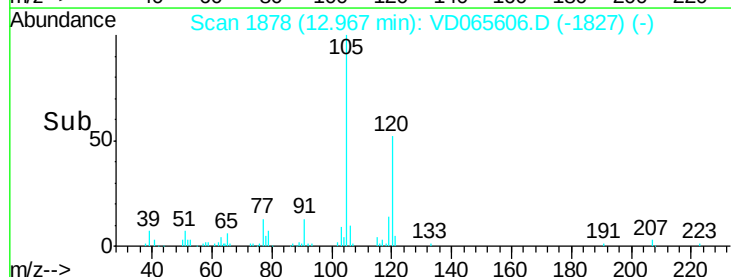
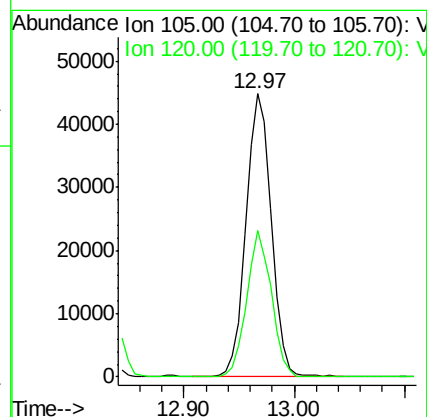
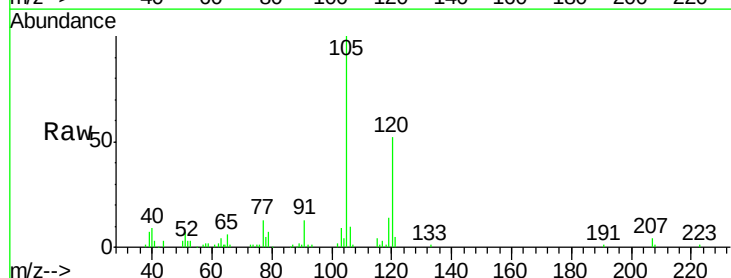
Acq: 09 Apr 2020 10:40

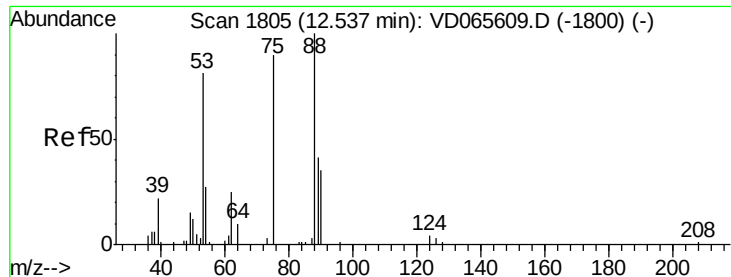
Tgt Ion: 105 Resp: 72134

Ion Ratio Lower Upper

105 100

120 50.4 25.7 77.0





#81

trans-1,4-Dichloro-2-butene

Concen: 4.111 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

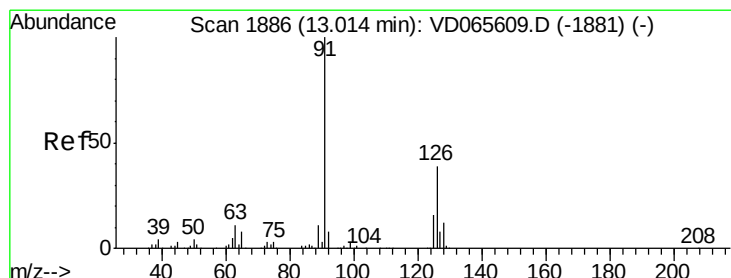
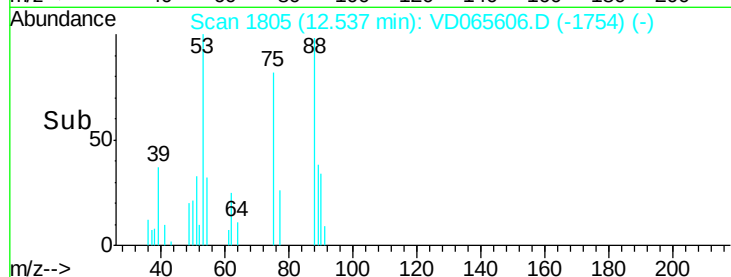
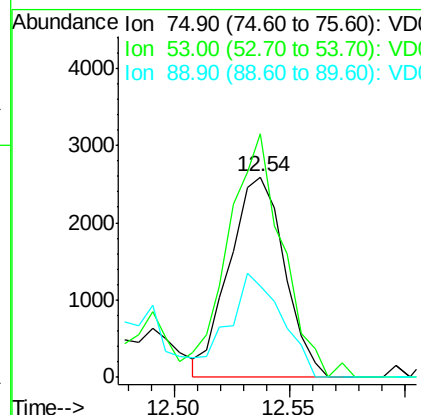
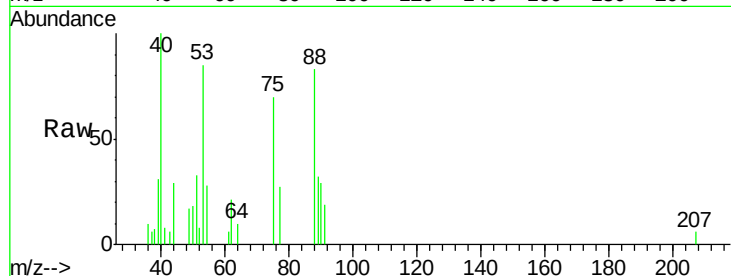
ClientSampleId :

VSTDIC005

Tot Ion:	75	Resp:	4310
Ion	Ratio	Lower	Upper
75	100		
53	121.0	73.8	110.8#
89	50.5	36.1	54.1

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#82

4-Chlorotoluene

Concen: 4.880 ug/l

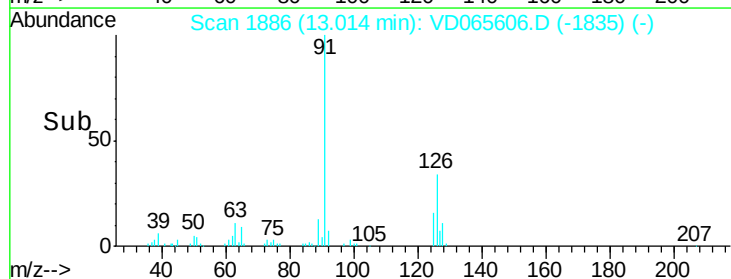
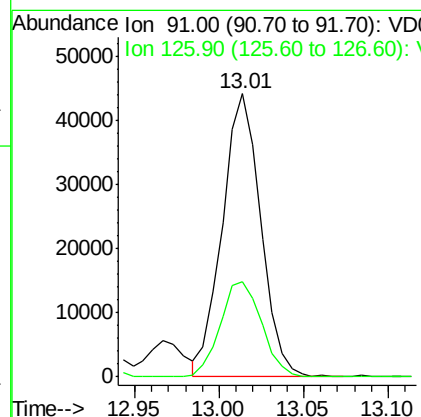
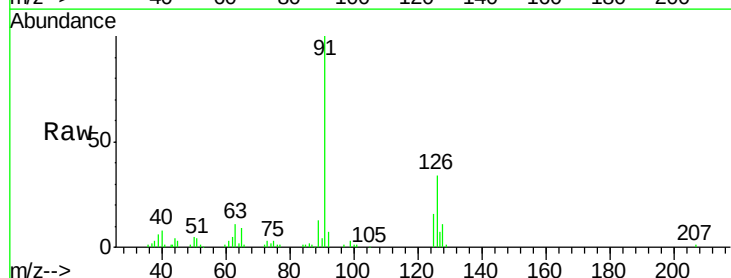
RT: 13.01 min Scan# 1886

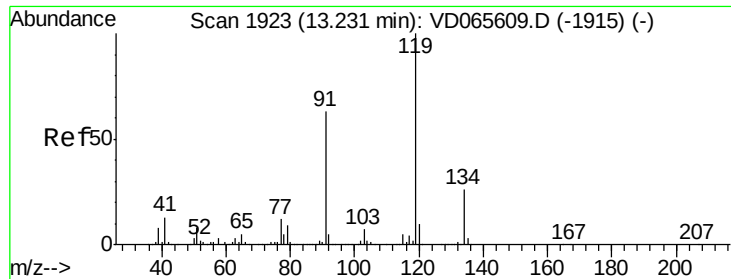
Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion:	91	Resp:	70104
Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.4





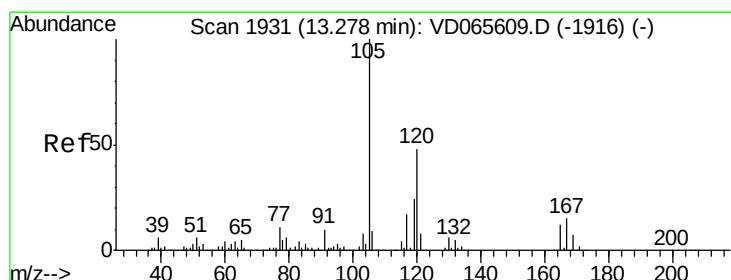
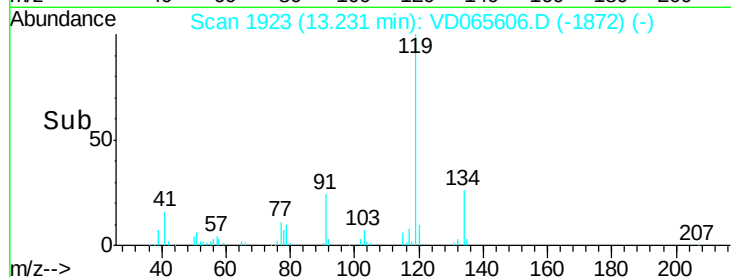
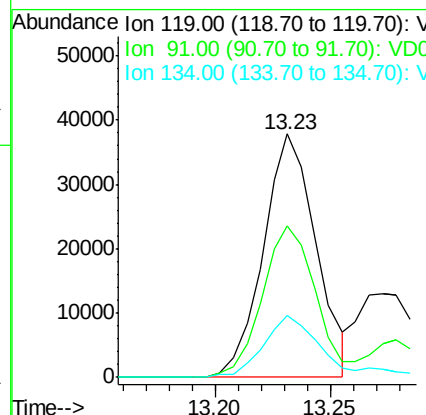
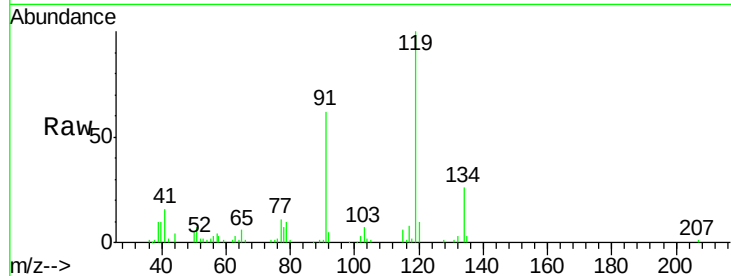
#83
 tert-Butylbenzene
 Concen: 4.400 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	30.4	91.2
134	26.0	13.7	41.0

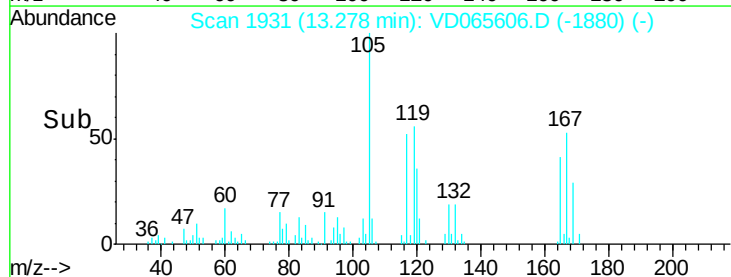
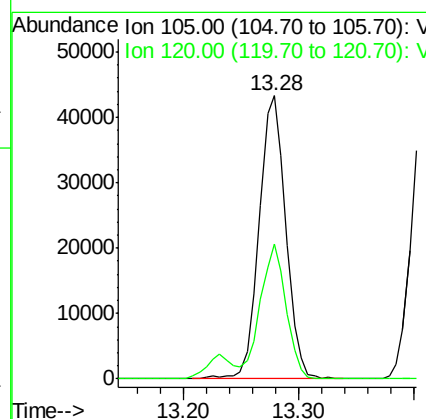
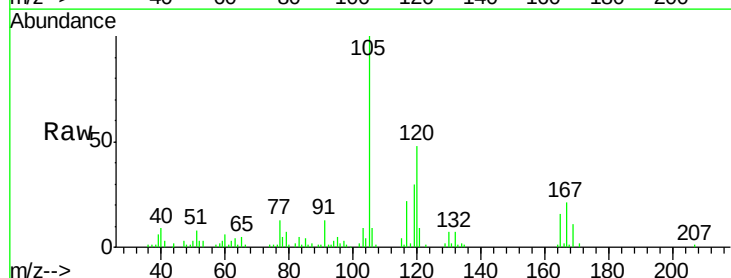
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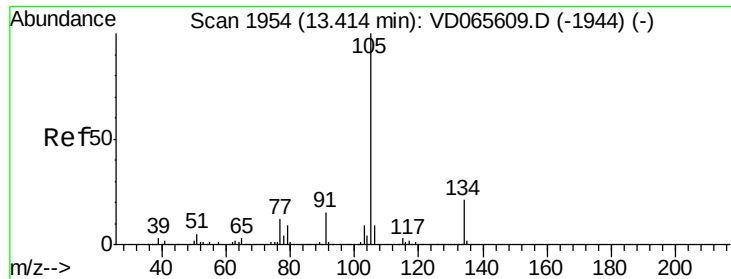
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#84
 1,2,4-Trimethylbenzene
 Concen: 4.322 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.5	70.6





#85

sec-Butylbenzene

Concen: 4.500 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. -0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC005

Tot Ion:105 Resp: 87075

Ion Ratio Lower Upper

105 100

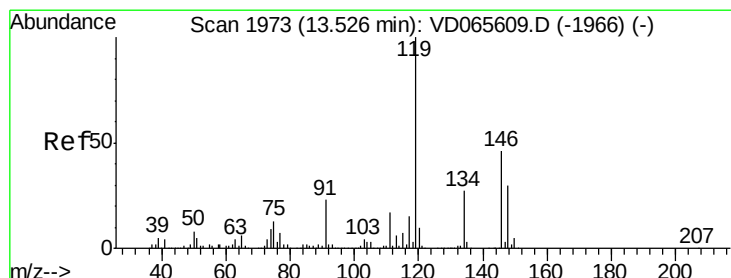
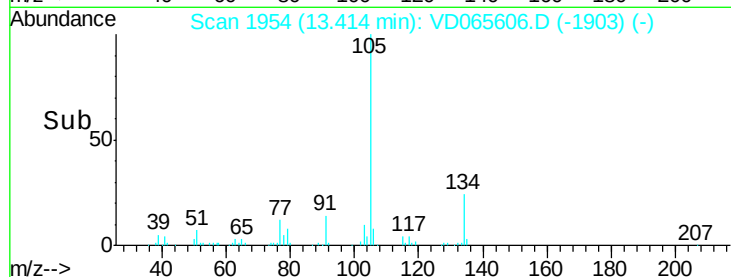
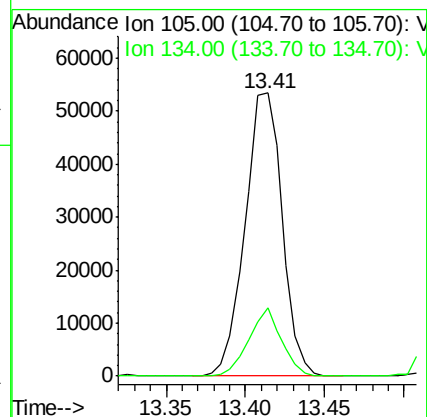
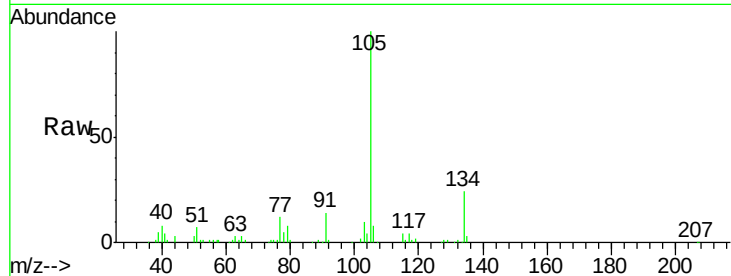
134 21.1 10.7 31.9

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#86

p-Isopropyltoluene

Concen: 4.342 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

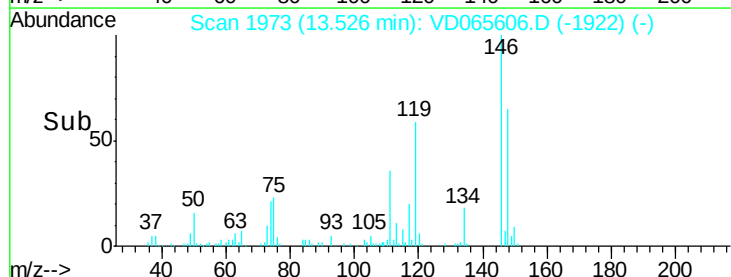
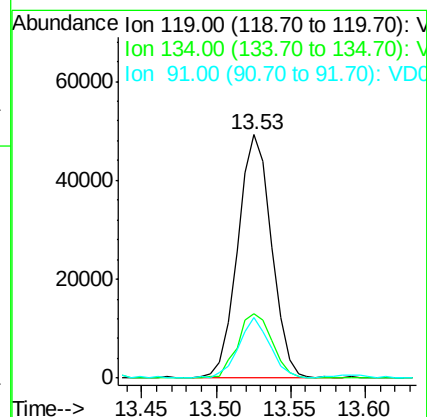
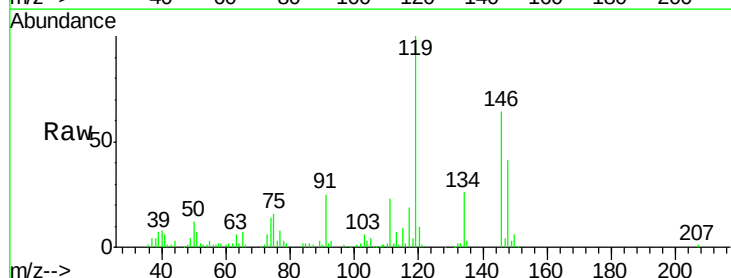
Tgt Ion:119 Resp: 77523

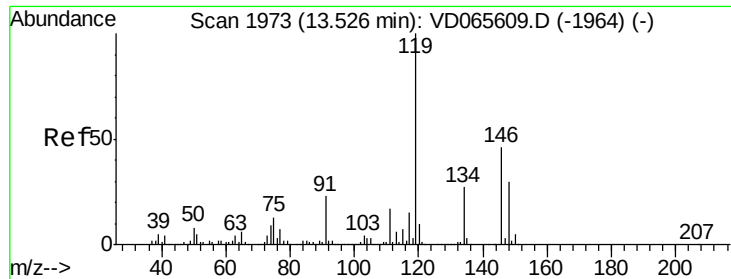
Ion Ratio Lower Upper

119 100

134 27.1 13.5 40.4

91 23.4 11.1 33.1





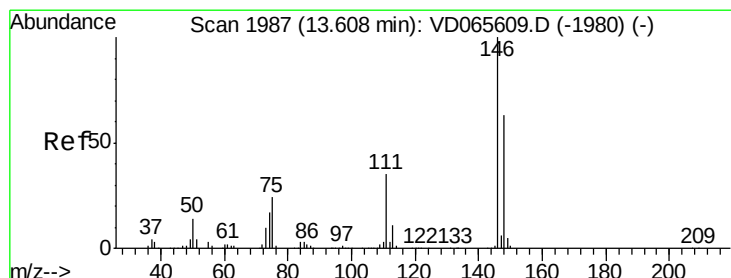
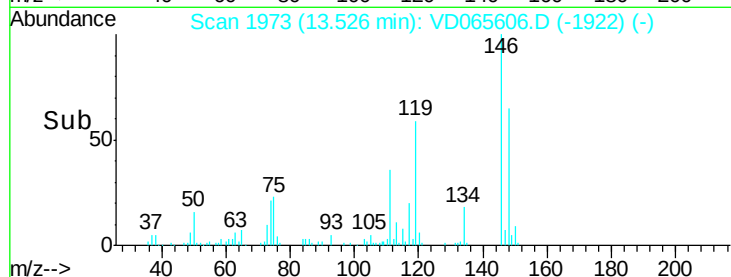
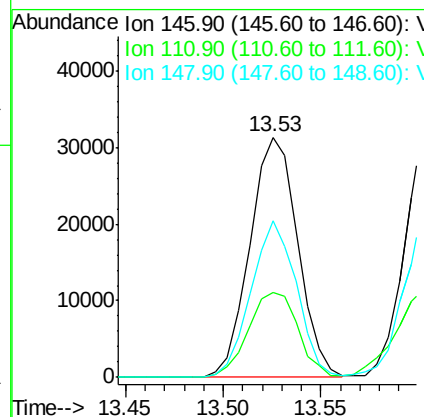
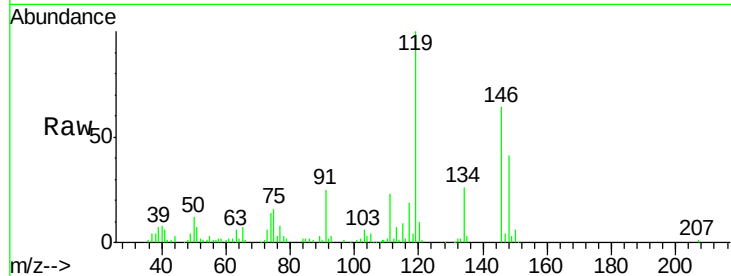
#87
 1,3-Dichlorobenzene
 Concen: 5.210 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.6	55.8
148	62.1	32.1	96.5

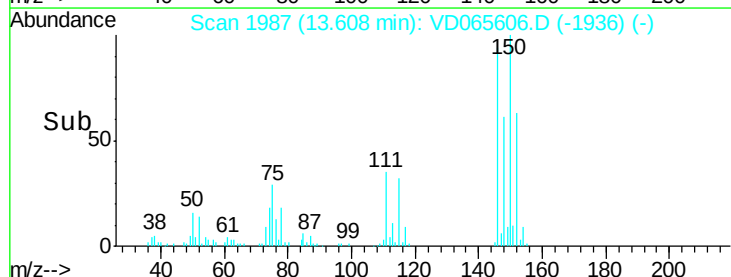
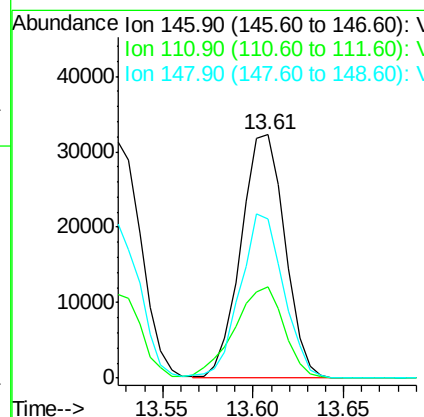
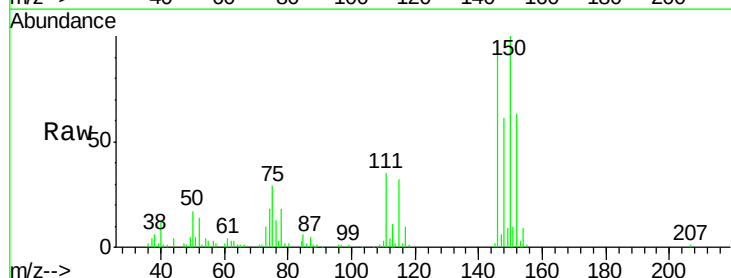
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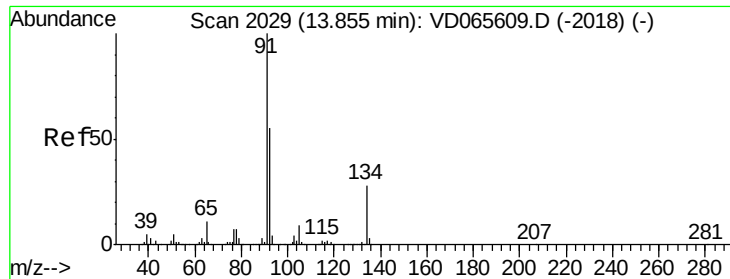
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 5.356 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.7	18.0	54.0
148	66.8	31.8	95.4





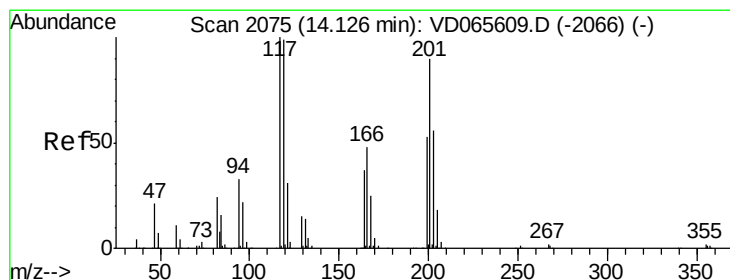
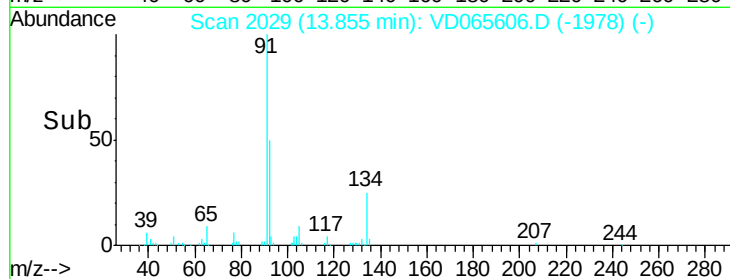
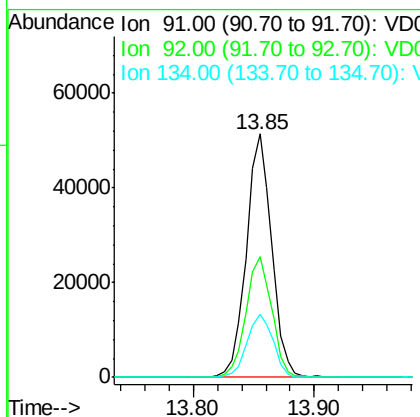
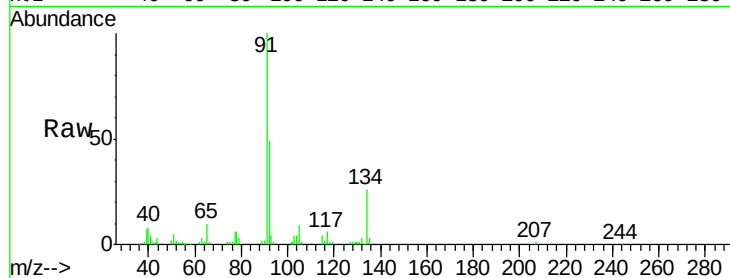
#89
n-Butylbenzene
Concen: 4.679 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC005

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.3	27.2	81.6
134	26.5	13.9	41.7

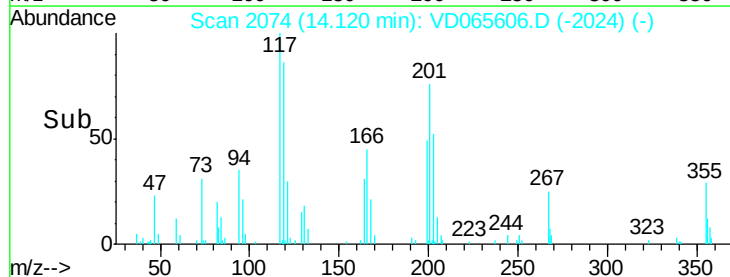
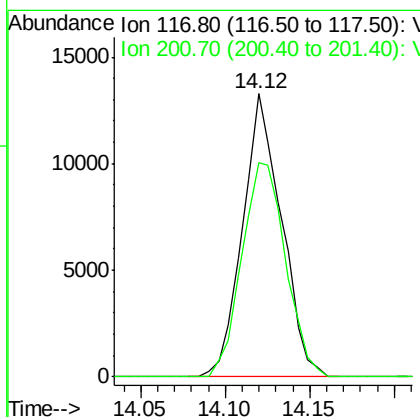
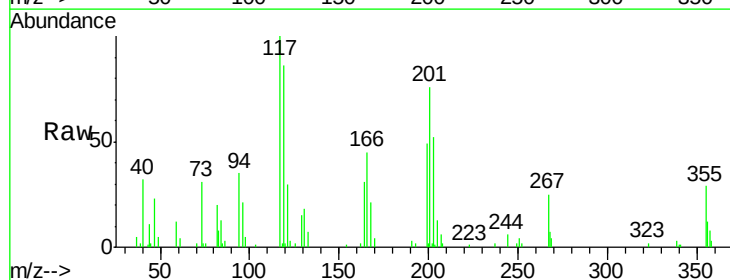
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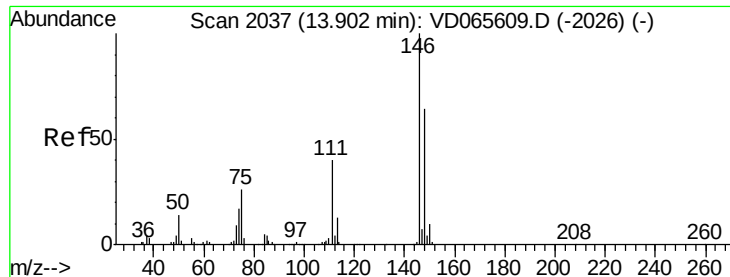
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#90
Hexachloroethane
Concen: 5.451 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.01 min
Lab File: VD065606.D
Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	43.9	131.7





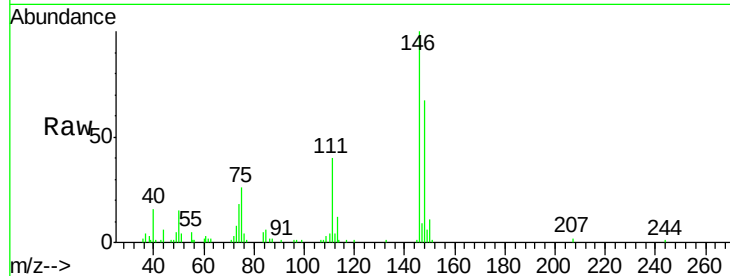
#91
 1,2-Dichlorobenzene
 Concen: 5.081 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC005

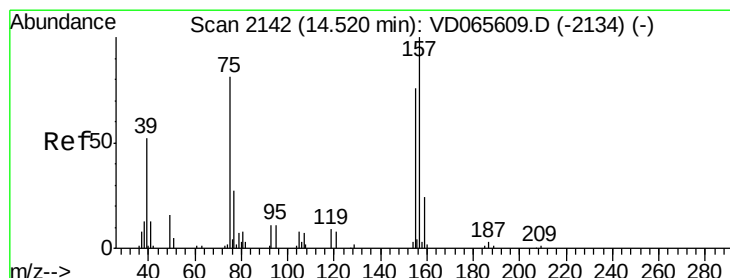
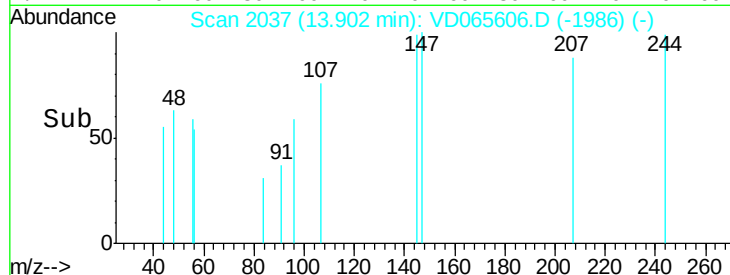
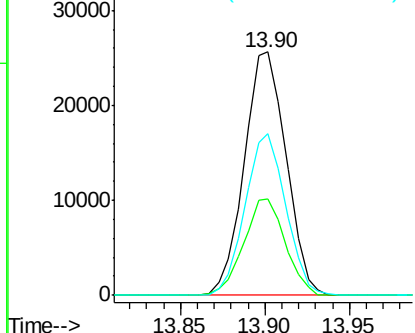
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.1	57.5
148	64.6	31.8	95.4

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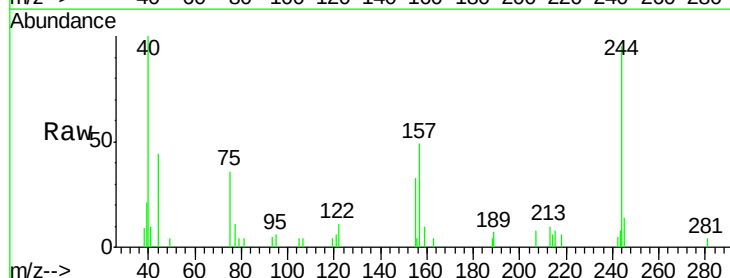


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

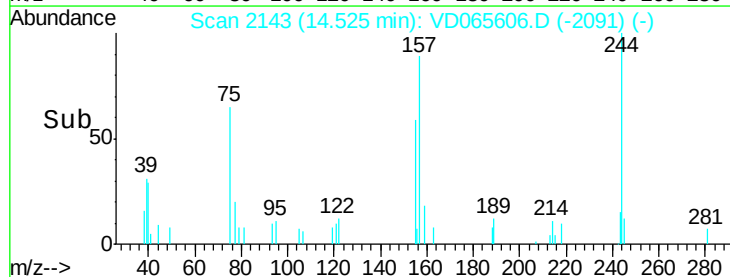
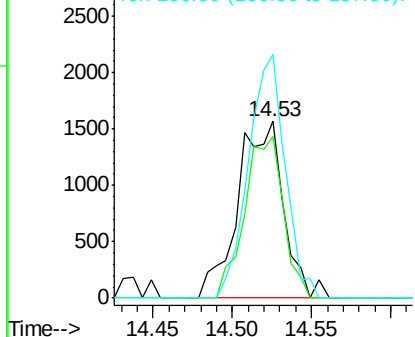


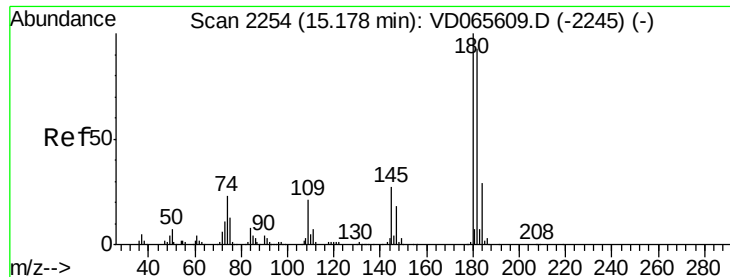
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 5.748 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065606.D
 Acq: 09 Apr 2020 10:40

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.1	46.8	140.4
157	110.8	59.6	178.7



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 4.937 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

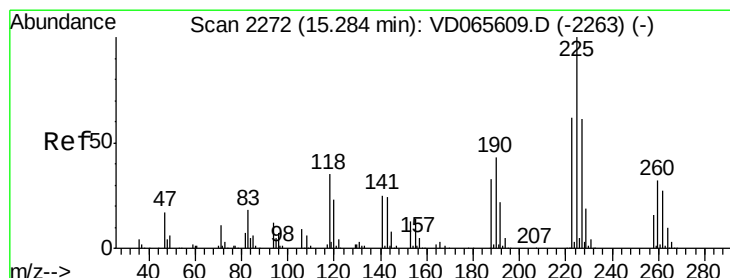
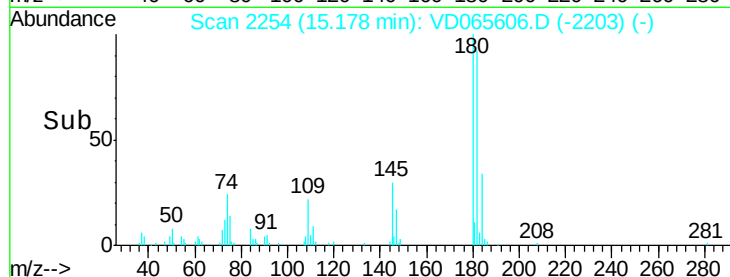
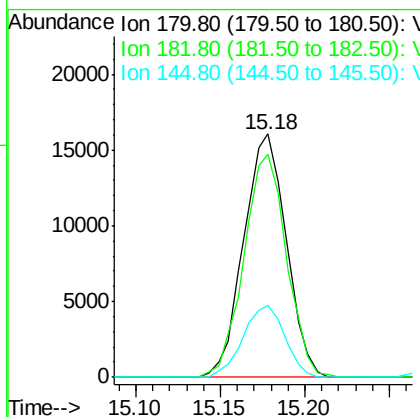
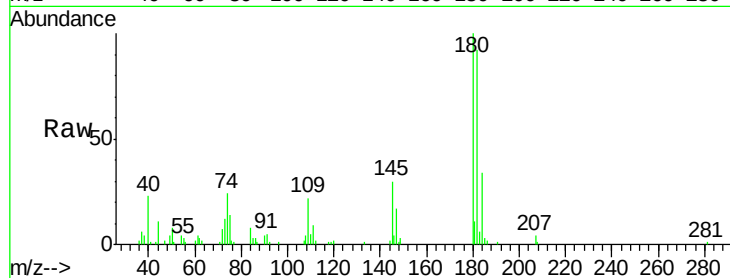
ClientSampleId :

VSTDIC005

Tot Ion:	180	Resp:	28141
Ion Ratio	Lower	Upper	
180	100		
182	91.8	47.0	141.2
145	28.9	14.0	41.9

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4/10/2020 2:58:32 PM



#94

Hexachlorobutadiene

Concen: 5.397 ug/l

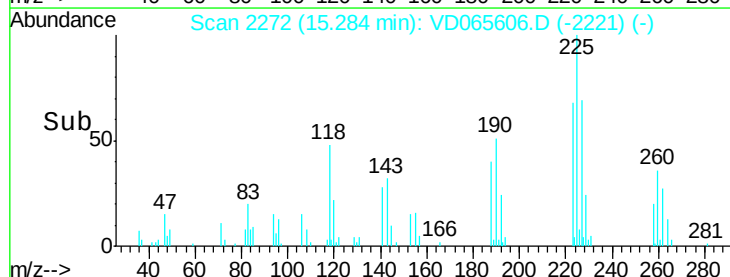
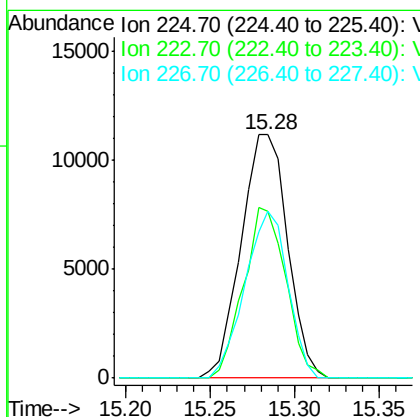
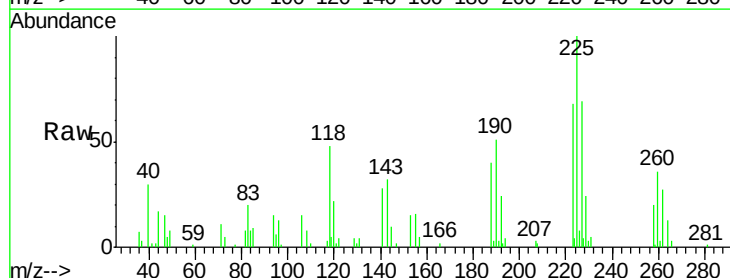
RT: 15.28 min Scan# 2272

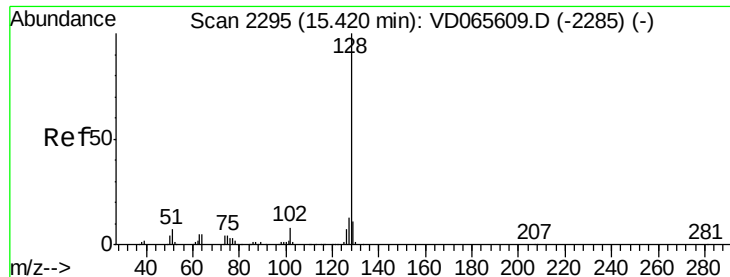
Delta R.T. 0.00 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion:	225	Resp:	21384
Ion Ratio	Lower	Upper	
225	100		
223	64.0	31.6	94.7
227	63.2	31.6	95.0





#95

Naphthalene

Concen: 4.377 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Instrument :

MSVOA_D

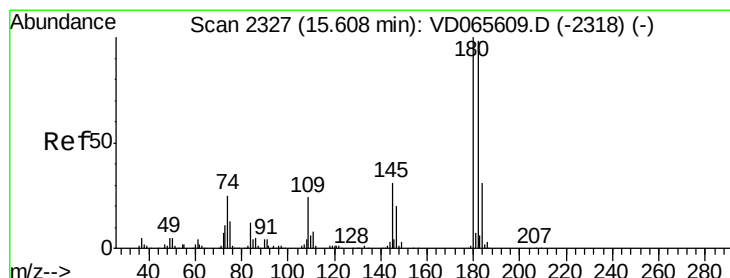
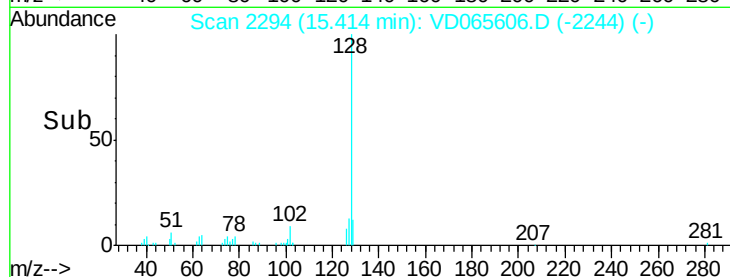
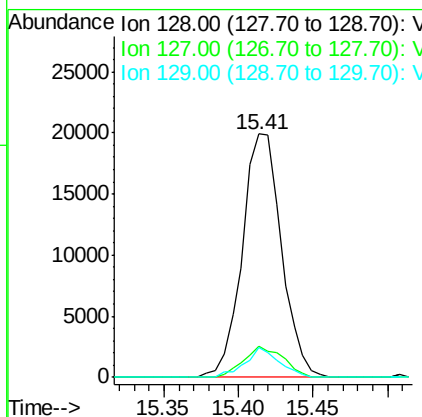
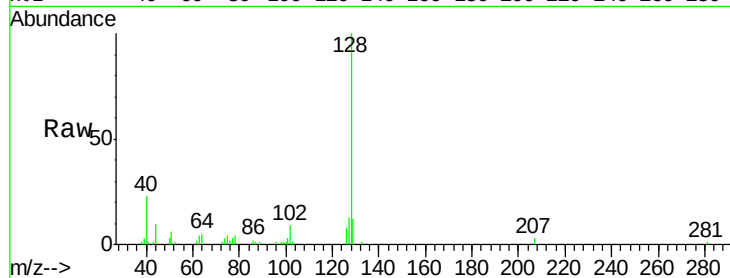
ClientSampleId :

VSTDIC005

Tot Ion:	128	Resp:	36154
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.6	15.8
129	10.6	8.4	12.6

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 4.834 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD065606.D

Acq: 09 Apr 2020 10:40

Tgt Ion:	180	Resp:	23851
Ion Ratio	Lower	Upper	
180	100		
182	90.5	47.7	143.1
145	31.8	15.2	45.6

