

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD040920\
 Data File : VD065610.D
 Acq On : 09 Apr 2020 12:31
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 4/10/2020 2:58:50 PM

Quant Time: Apr 10 01:28:44 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	498958	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	689532	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.66	117	650393	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	335944	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	439224	93.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	186.16%	
35) Dibromofluoromethane	7.92	113	464734	96.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	192.94%	
50) Toluene-d8	10.34	98	1752240	99.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.22%	
62) 4-Bromofluorobenzene	12.64	95	579600	102.53	ug/l	0.00
Spiked Amount	50.000		Recovery	=	205.06%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	423751	94.182	ug/l	99
3) Chloromethane	2.21	50	497687	88.951	ug/l	100
4) Vinyl Chloride	2.35	62	478472	91.466	ug/l	97
5) Bromomethane	2.76	94	325904	88.337	ug/l	98
6) Chloroethane	2.92	64	294160	91.310	ug/l	100
7) Trichlorofluoromethane	3.27	101	714972	90.111	ug/l	95
8) Diethyl Ether	3.70	74	150690	91.922	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	467815	90.194	ug/l	98
10) Methyl Iodide	4.30	142	595723	116.717	ug/l	99
11) Tert butyl alcohol	5.26	59	131219	545.934	ug/l	99
12) 1,1-Dichloroethene	4.06	96	448723	93.801	ug/l	97
13) Acrolein	3.93	56	159612	482.686	ug/l	100
14) Allyl chloride	4.71	41	721465	101.670	ug/l	99
15) Acrylonitrile	5.43	53	507068	524.525	ug/l	100
16) Acetone	4.17	43	401987	471.748	ug/l	95
17) Carbon Disulfide	4.40	76	1473566	92.577	ug/l	99
18) Methyl Acetate	4.72	43	250921	100.322	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	1024232	110.751	ug/l	100
20) Methylene Chloride	4.96	84	490585	87.093	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	531834	97.955	ug/l	93
22) Diisopropyl ether	6.37	45	1442908	105.785	ug/l	99
23) Vinyl Acetate	6.31	43	4174956	595.666	ug/l	99
24) 1,1-Dichloroethane	6.27	63	861371	94.921	ug/l	98
25) 2-Butanone	7.22	43	621424	532.799	ug/l	98
26) 2,2-Dichloropropane	7.21	77	750492	92.413	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	566459	101.942	ug/l	100
28) Bromochloromethane	7.55	49	341506	93.764	ug/l	99
29) Tetrahydrofuran	7.57	42	411450	561.379	ug/l	99
30) Chloroform	7.71	83	888942	93.554	ug/l	98
31) Cyclohexane	7.98	56	796834	94.658	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	801155	93.298	ug/l	99
36) 1,1-Dichloropropene	8.11	75	702021	98.890	ug/l	99
37) Ethyl Acetate	7.30	43	286061	108.528	ug/l	99
38) Carbon Tetrachloride	8.10	117	738864	95.853	ug/l	98

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MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	890349	110.793	ug/l	98
40) Benzene	8.36	78	2020730	99.629	ug/l	99
41) Methacrylonitrile	7.53	41	159864m	103.759	ug/l	
42) 1,2-Dichloroethane	8.43	62	555753	98.098	ug/l	99
43) Isopropyl Acetate	8.46	43	536574	111.577	ug/l	99
44) Trichloroethene	9.12	130	571162	97.980	ug/l	95
45) 1,2-Dichloropropane	9.39	63	495083	100.243	ug/l	99
46) Dibromomethane	9.48	93	266746	100.481	ug/l	98
47) Bromodichloromethane	9.67	83	686671	98.639	ug/l	99
48) Methyl methacrylate	9.46	41	258785	116.026	ug/l	97
49) 1,4-Dioxane	9.47	88	62491	2222.689	ug/l	97
51) 4-Methyl-2-Pentanone	10.24	43	1417839	572.110	ug/l	100
52) Toluene	10.41	92	1321615	103.056	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	671580	108.690	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	802250	106.042	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	367775	98.722	ug/l	96
56) Ethyl methacrylate	10.67	69	463857	123.456	ug/l	99
57) 1,3-Dichloropropane	10.95	76	634545	102.836	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	1147397	581.511	ug/l	99
59) 2-Hexanone	10.99	43	970129	589.024	ug/l	97
60) Dibromochloromethane	11.15	129	499455	100.666	ug/l	98
61) 1,2-Dibromoethane	11.25	107	359360	101.478	ug/l	98
64) Tetrachloroethene	10.88	164	492155	95.134	ug/l	98
65) Chlorobenzene	11.68	112	1387386	98.497	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	537689	100.206	ug/l	99
67) Ethyl Benzene	11.75	91	2489018	107.011	ug/l	99
68) m/p-Xylenes	11.86	106	1947886	212.270	ug/l	100
69) o-Xylene	12.19	106	876865	110.892	ug/l	99
70) Styrene	12.20	104	1564246	111.893	ug/l	100
71) Bromoform	12.37	173	301830	100.296	ug/l #	99
73) Isopropylbenzene	12.49	105	2347242	109.657	ug/l	100
74) N-amyl acetate	12.30	43	505569	119.262	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	389293	98.936	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	286139m	63.394	ug/l	
77) Bromobenzene	12.77	156	592214	100.918	ug/l	98
78) n-propylbenzene	12.83	91	2769283	107.198	ug/l	99
79) 2-Chlorotoluene	12.92	91	1530729	103.390	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1958444	108.555	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	135744	116.701	ug/l	99
82) 4-Chlorotoluene	13.01	91	1623773	101.896	ug/l	99
83) tert-Butylbenzene	13.23	119	1705125	113.030	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	1957305	109.175	ug/l	99
85) sec-Butylbenzene	13.41	105	2331457	108.612	ug/l	99
86) p-Isopropyltoluene	13.53	119	2193639	110.738	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	1132040	100.035	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	1090893	96.514	ug/l	99
89) n-Butylbenzene	13.85	91	1975316	110.493	ug/l	100
90) Hexachloroethane	14.13	117	423551	98.014	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	958944	99.606	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	59703	98.366	ug/l	96

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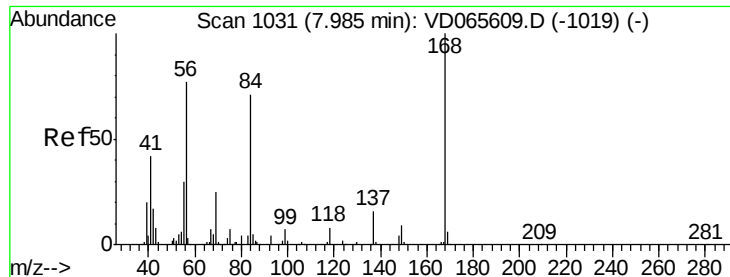
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	688987	108.951	ug/l	98
94) Hexachlorobutadiene	15.28	225	431209	98.100	ug/l	98
95) Naphthalene	15.42	128	1155159	126.072	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	600294	109.664	ug/l	100

(#) = 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: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 498958

Ion Ratio Lower Upper

168 100

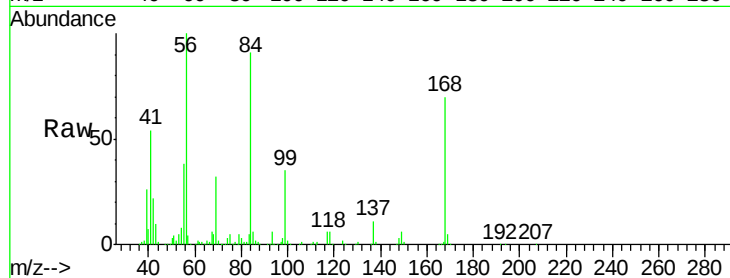
99 49.3 40.2 60.2

Manual Integrations

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4/10/2020 2:58:50 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

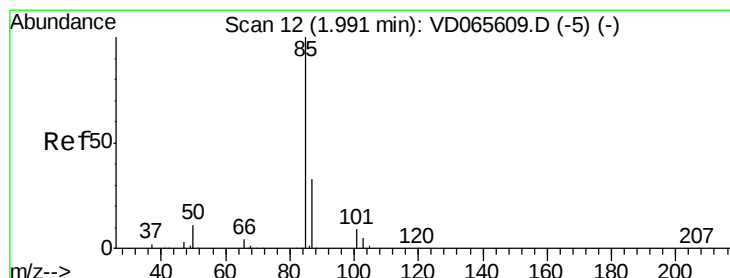
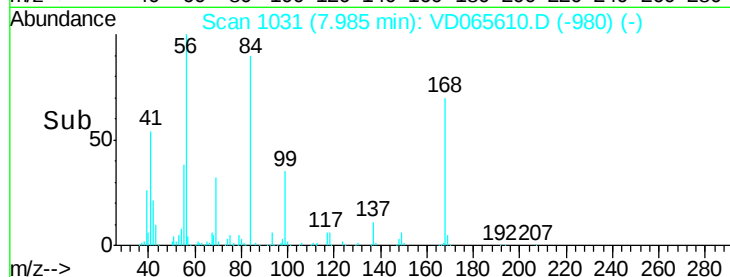
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 94.182 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065610.D

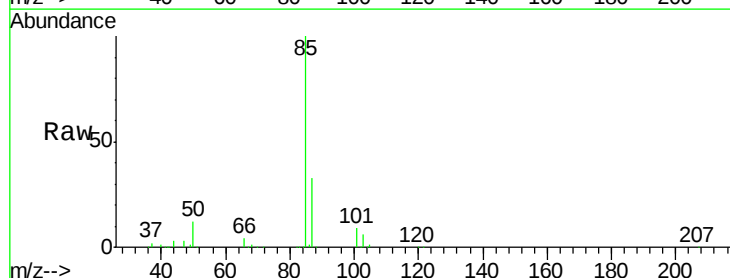
Acq: 09 Apr 2020 12:31

Tgt Ion: 85 Resp: 423751

Ion Ratio Lower Upper

85 100

87 32.7 16.6 49.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

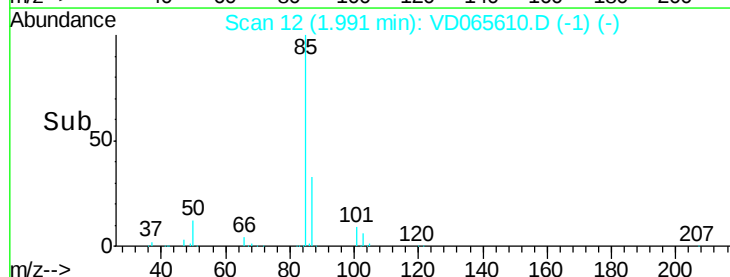
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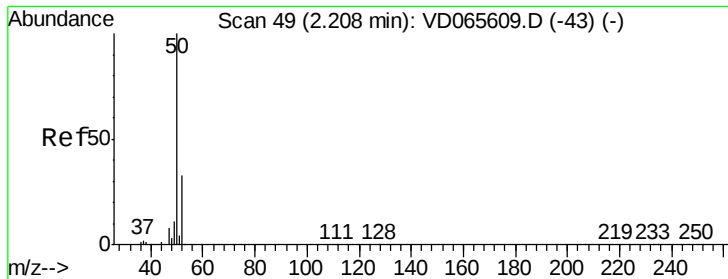
200000

100000

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Time-->





#3

Chloromethane

Concen: 88.951 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 497687

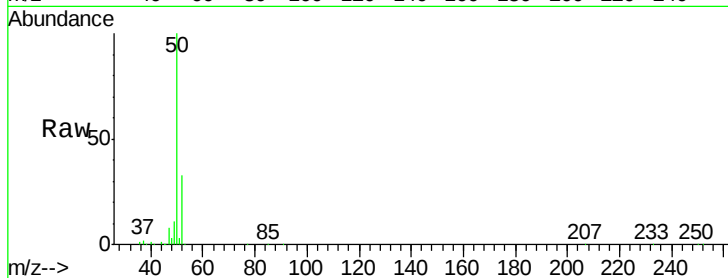
Ion Ratio Lower Upper

50 100

52 32.9 26.2 39.4

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

400000

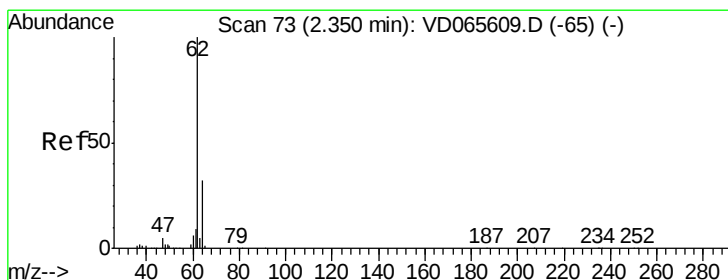
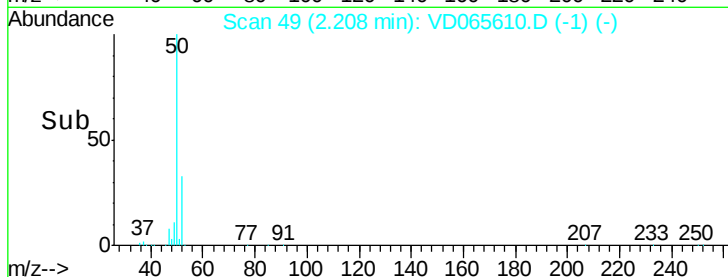
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 91.466 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065610.D

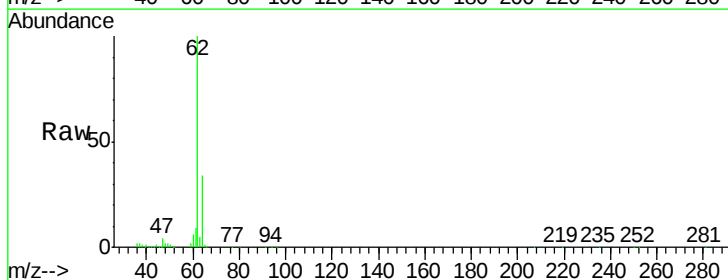
Acq: 09 Apr 2020 12:31

Tgt Ion: 62 Resp: 478472

Ion Ratio Lower Upper

62 100

64 33.9 25.8 38.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

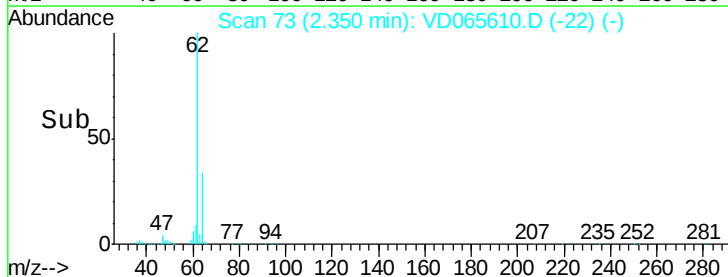
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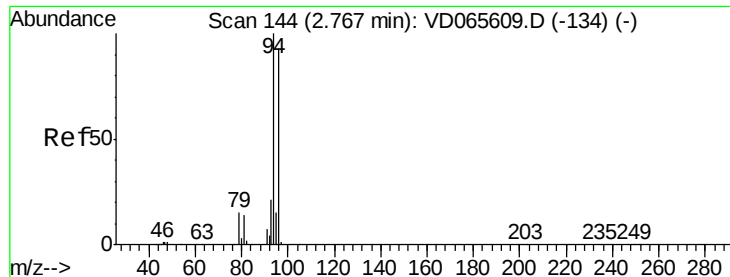
200000

100000

0

Time-->





#5

Bromomethane

Concen: 88.337 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC100

Tot Ion: 94 Resp: 325904

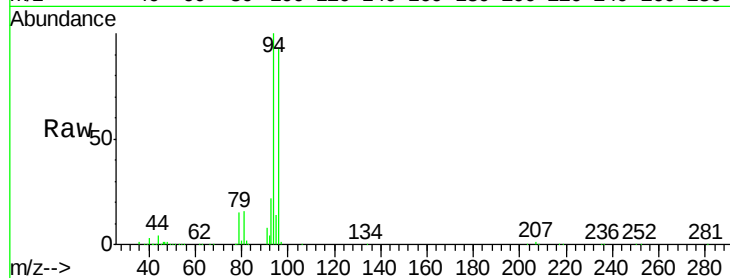
Ion Ratio Lower Upper

94 100

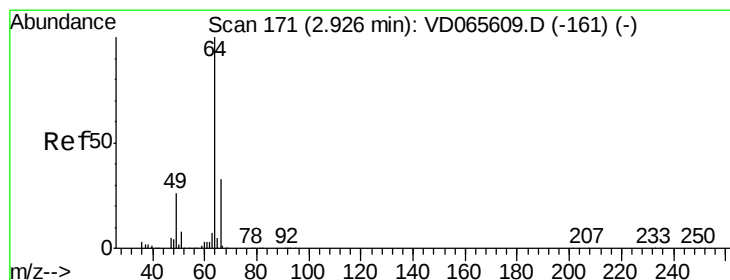
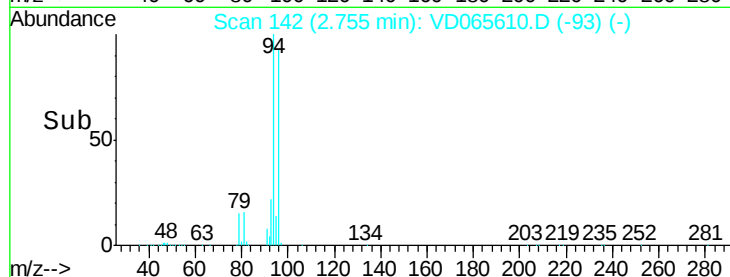
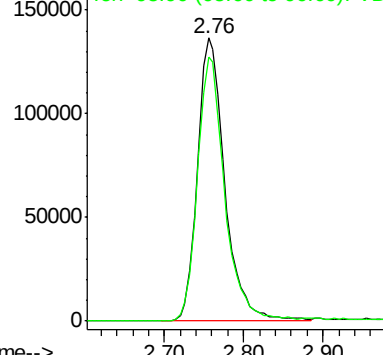
96 93.2 73.3 109.9

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



#6

Chloroethane

Concen: 91.310 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065610.D

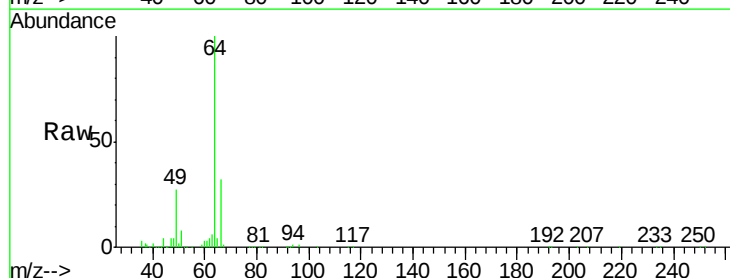
Acq: 09 Apr 2020 12:31

Tgt Ion: 64 Resp: 294160

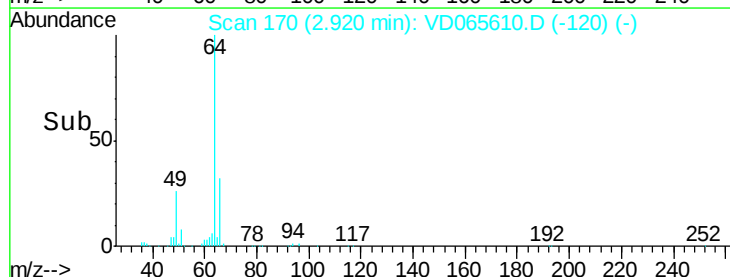
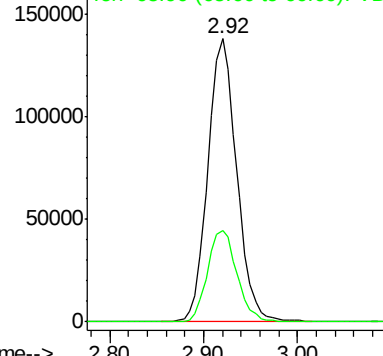
Ion Ratio Lower Upper

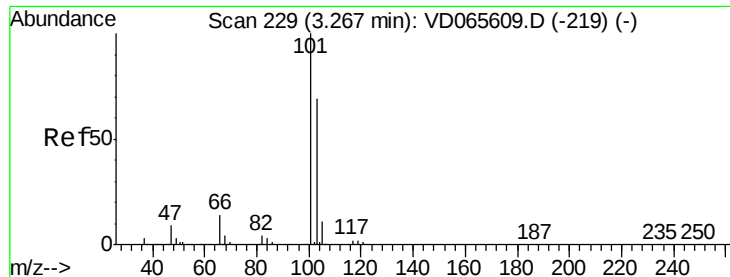
64 100

66 32.4 26.1 39.1



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

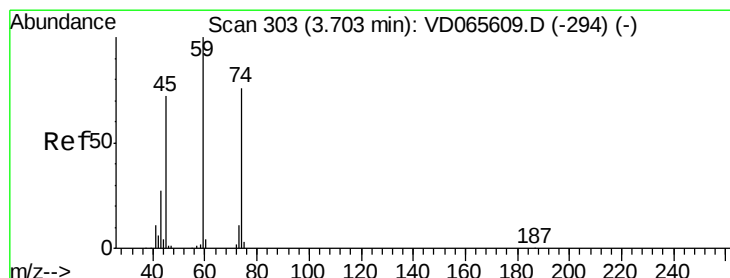
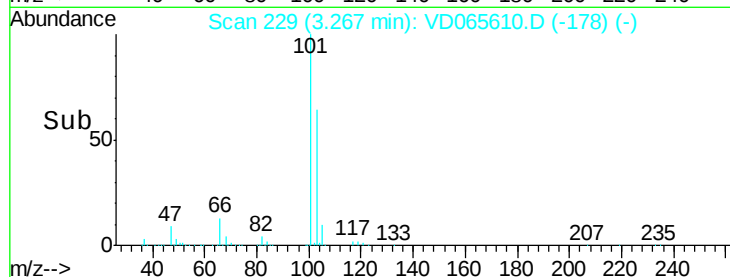
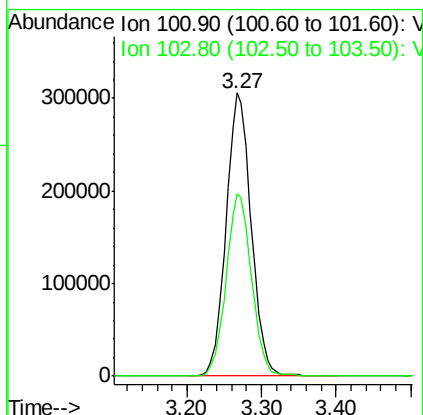
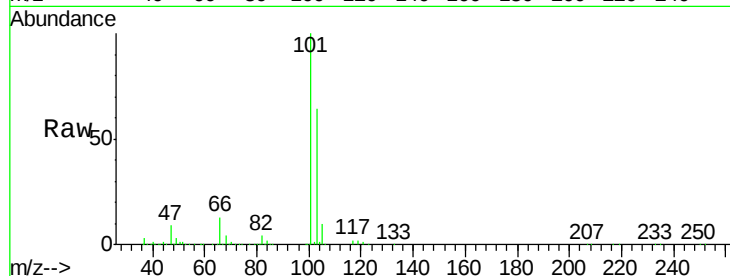
Trichlorofluoromethane
 Concen: 90.111 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
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 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	55.0	82.4

Manual Integrations
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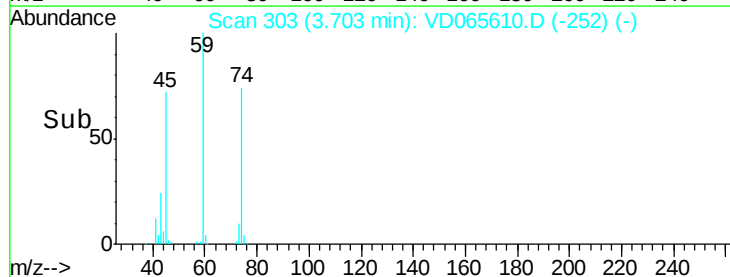
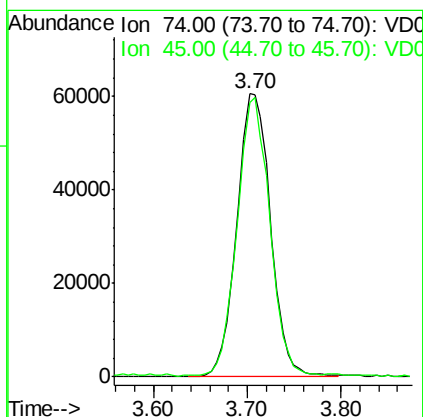
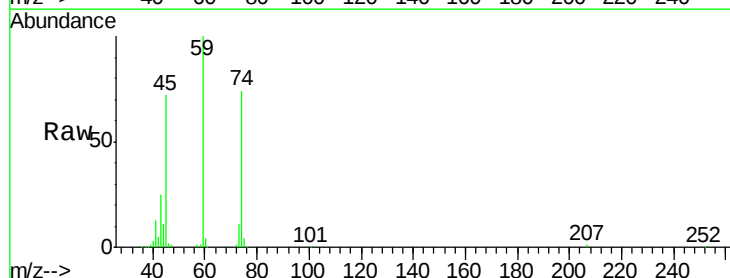
MMDadoda
 4/10/2020 2:58:50 PM

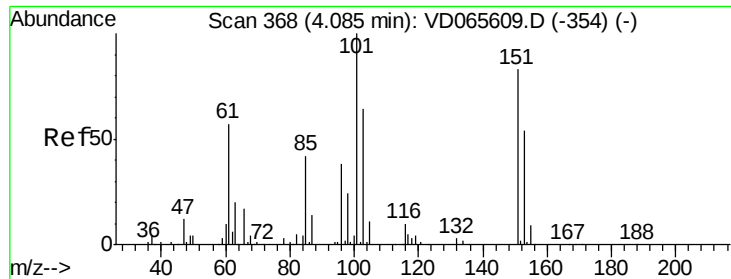


#8

Diethyl Ether
 Concen: 91.922 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.6	47.8	143.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 90.194 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

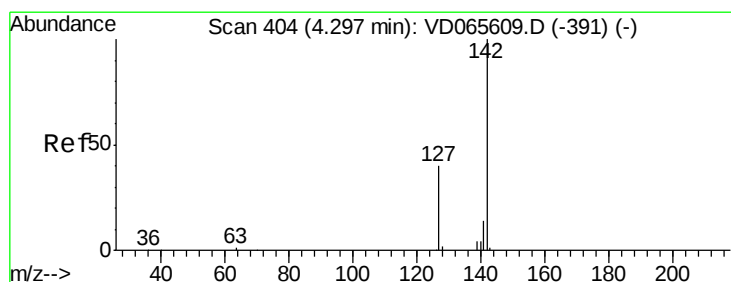
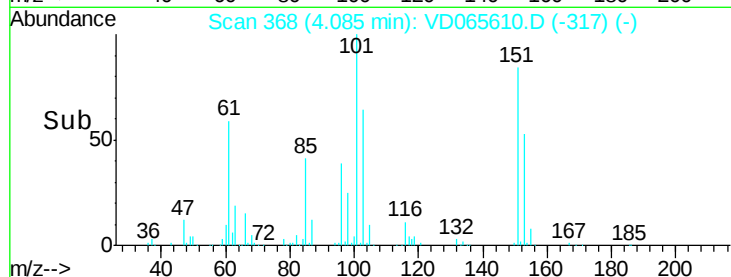
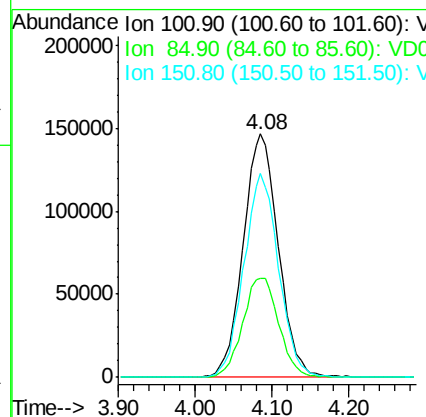
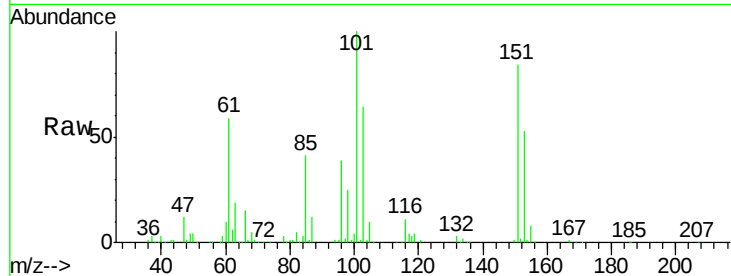
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	467815
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.8	50.6
151	83.3	65.0	97.4

Manual Integrations
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4/10/2020 2:58:50 PM



#10

Methyl Iodide

Concen: 116.717 ug/l

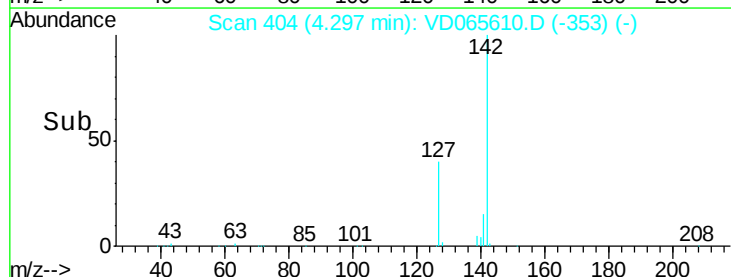
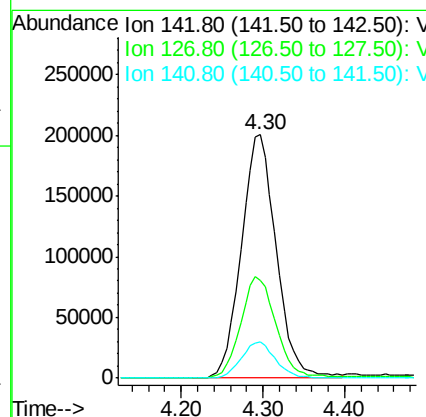
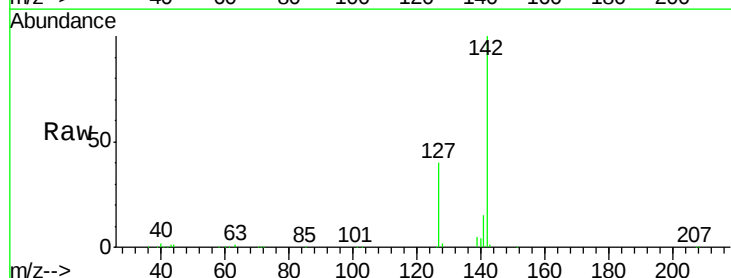
RT: 4.30 min Scan# 404

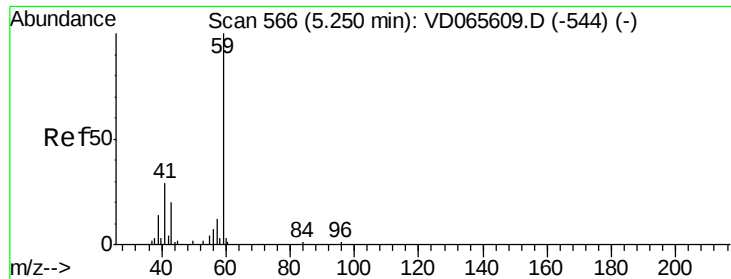
Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Tgt Ion:	142	Resp:	595723
Ion Ratio	Lower	Upper	
142	100		
127	42.1	34.6	51.8
141	14.5	11.7	17.5





#11

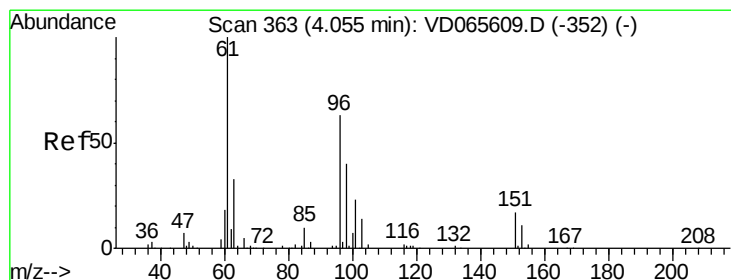
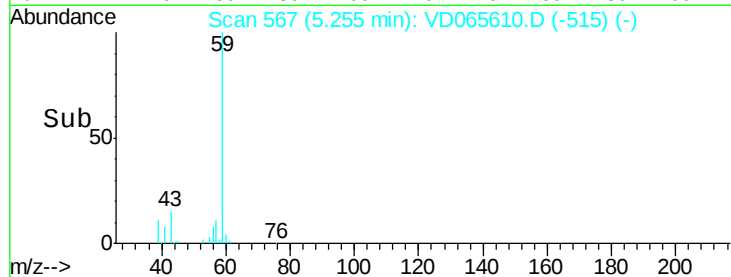
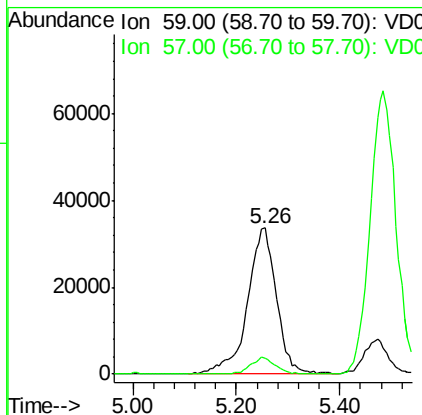
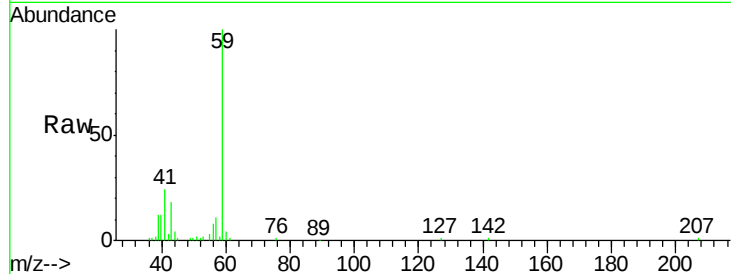
Tert butyl alcohol
Concen: 545.934 ug/l
RT: 5.26 min Scan# 567
Delta R.T. 0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.1	12.1

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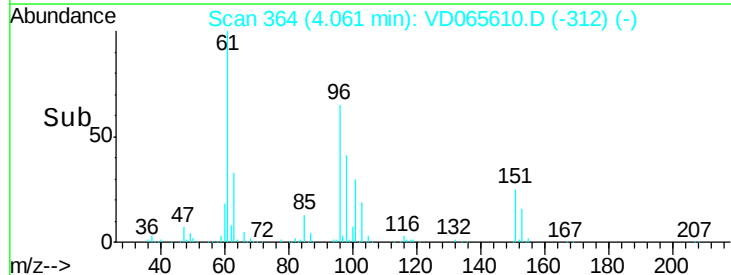
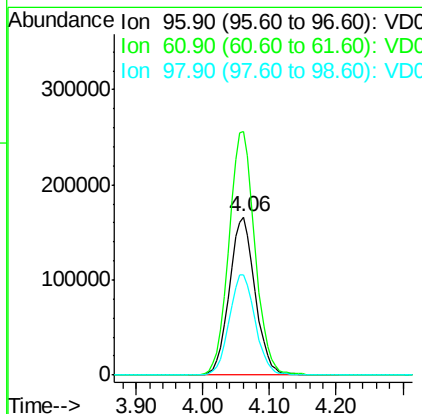
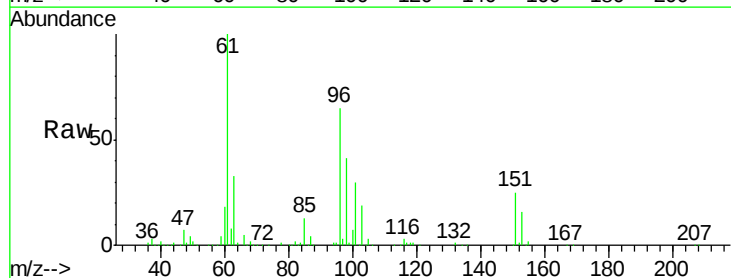
MMDadoda
4/10/2020 2:58:50 PM

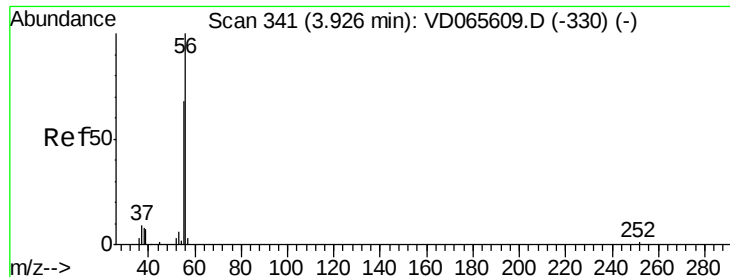


#12

1,1-Dichloroethene
Concen: 93.801 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.0	126.6	190.0
98	63.5	50.2	75.4





#13

Acrolein

Concen: 482.686 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 159612

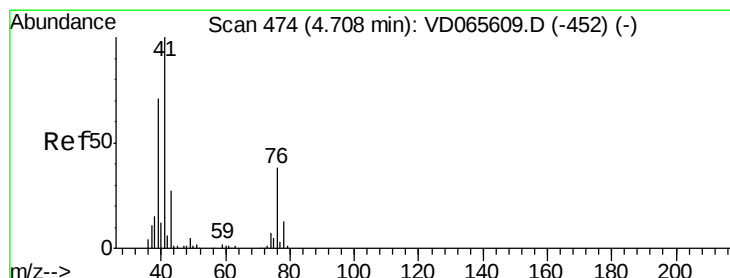
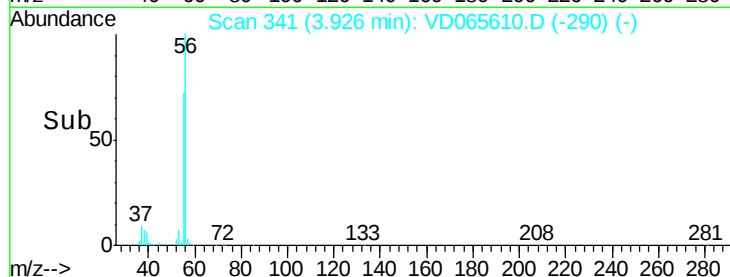
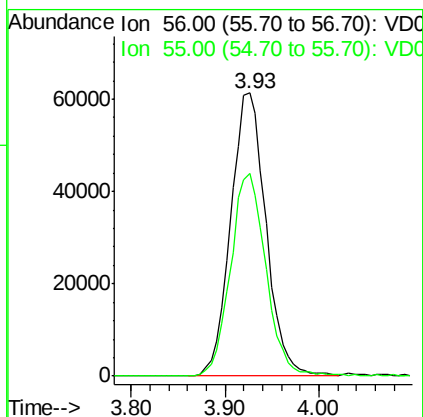
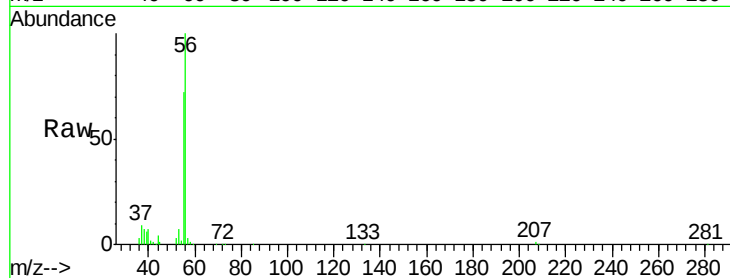
Ion Ratio Lower Upper

56 100

55 72.0 57.9 86.9

Manual Integrations
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#14

Allyl chloride

Concen: 101.670 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

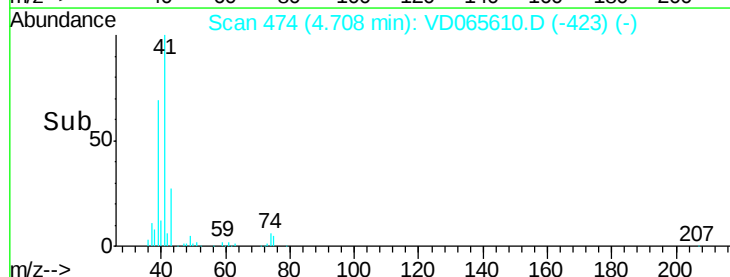
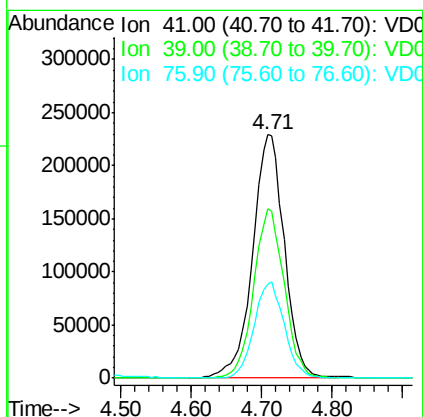
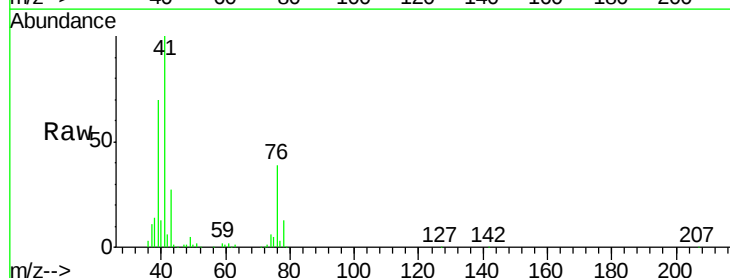
Tgt Ion: 41 Resp: 721465

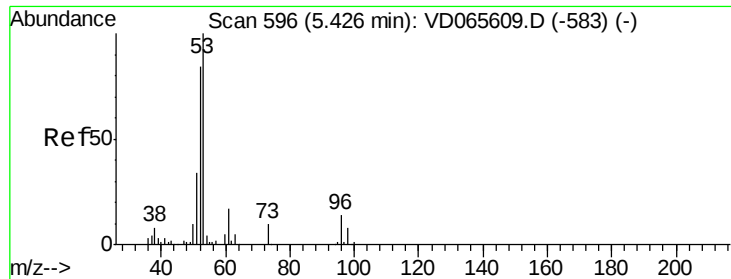
Ion Ratio Lower Upper

41 100

39 66.8 54.2 81.2

76 37.2 29.7 44.5





#15

Acrylonitrile

Concen: 524.525 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

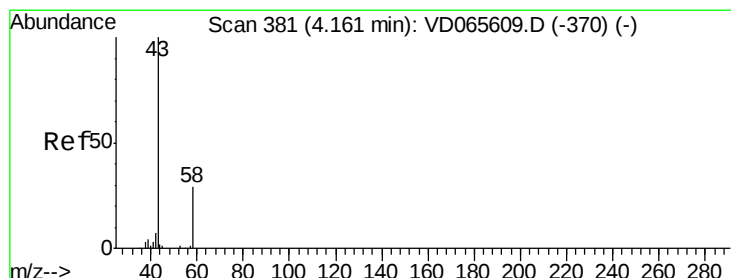
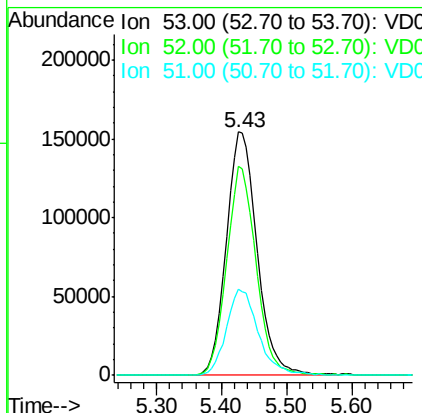
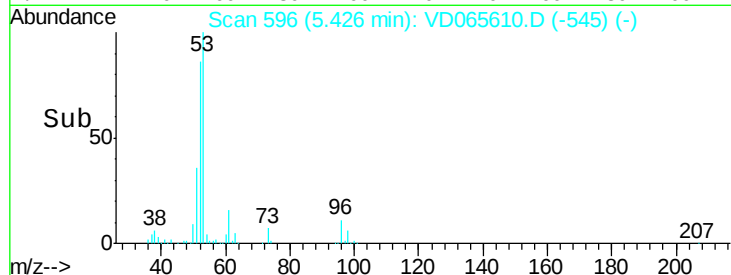
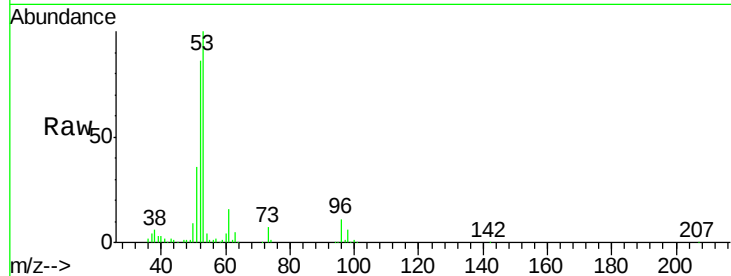
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	507068
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.3	97.9
51	36.9	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 471.748 ug/l

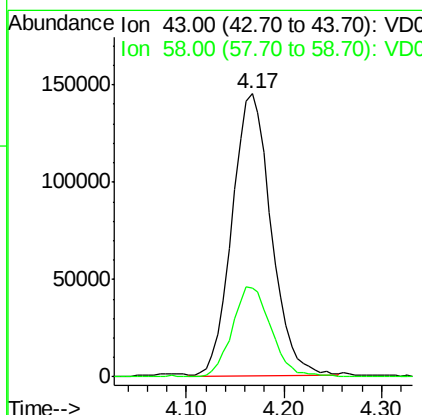
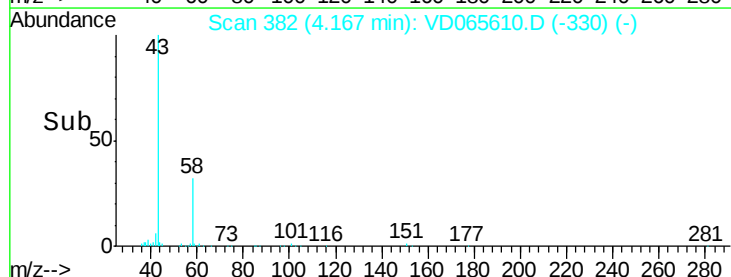
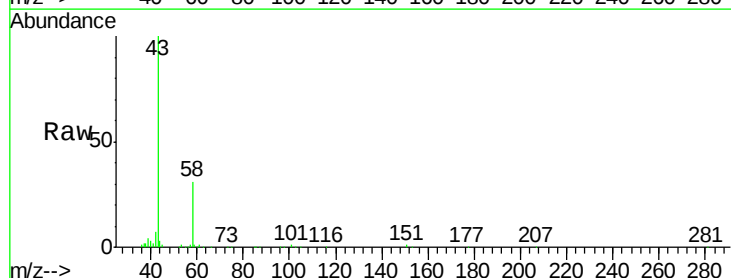
RT: 4.17 min Scan# 382

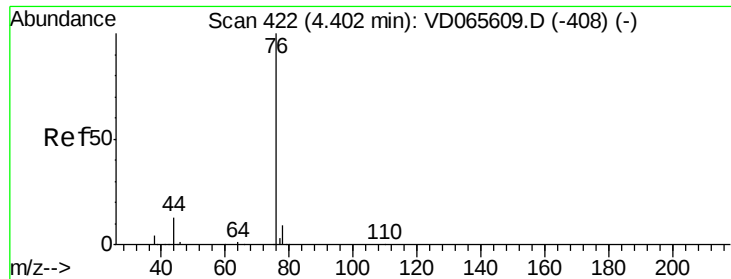
Delta R.T. 0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Tgt Ion:	43	Resp:	401987
Ion Ratio	Lower	Upper	
43	100		
58	31.5	23.2	34.8





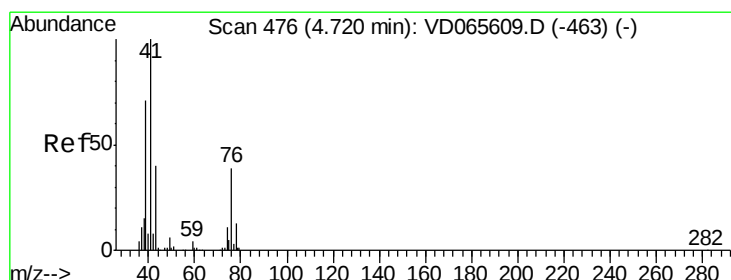
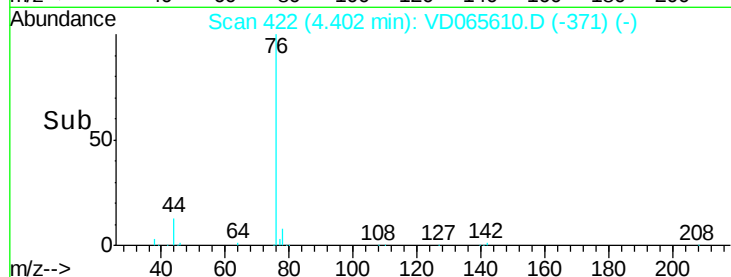
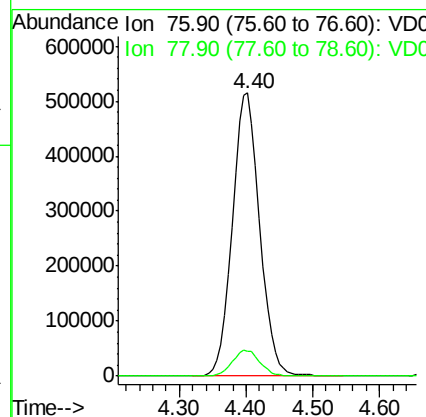
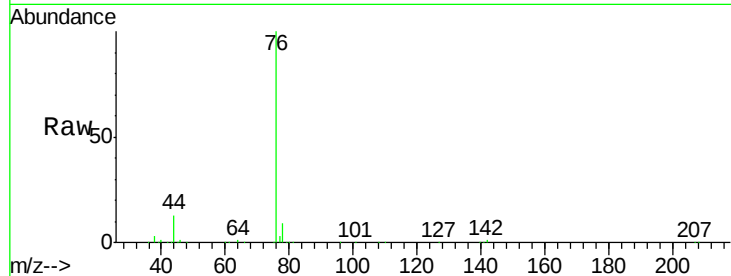
#17
Carbon Disulfide
Concen: 92.577 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 1473566
Ion Ratio Lower Upper
76 100
78 8.9 7.3 10.9

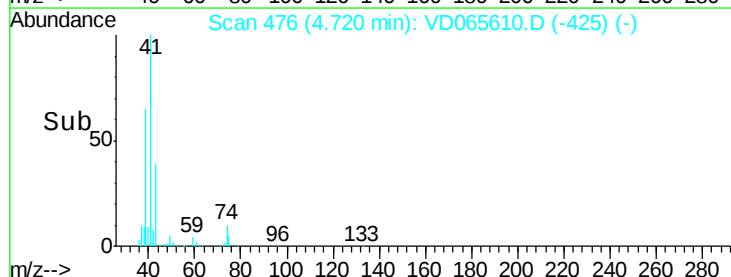
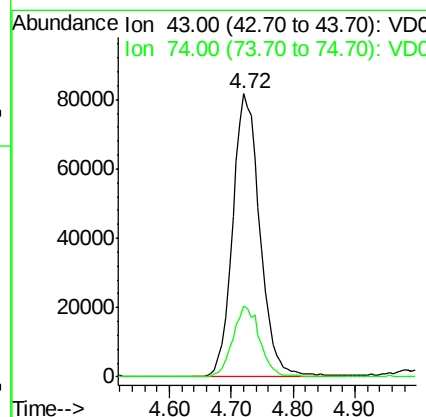
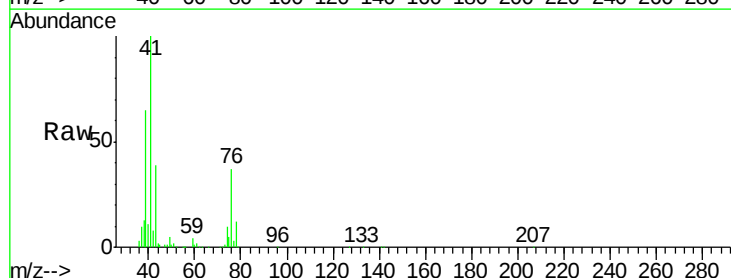
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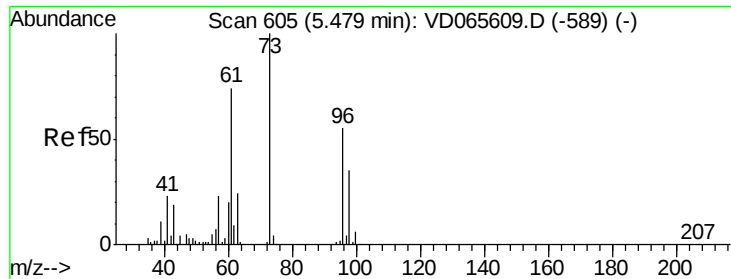
MMDadoda
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#18
Methyl Acetate
Concen: 100.322 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion: 43 Resp: 250921
Ion Ratio Lower Upper
43 100
74 24.7 20.2 30.2





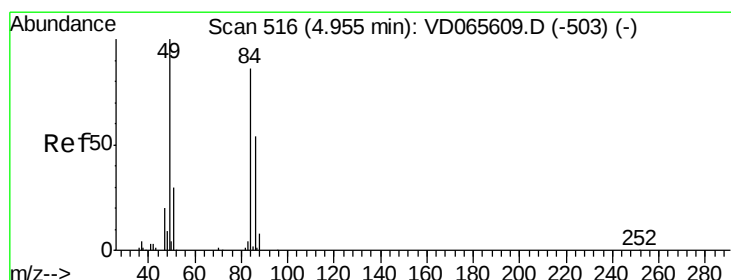
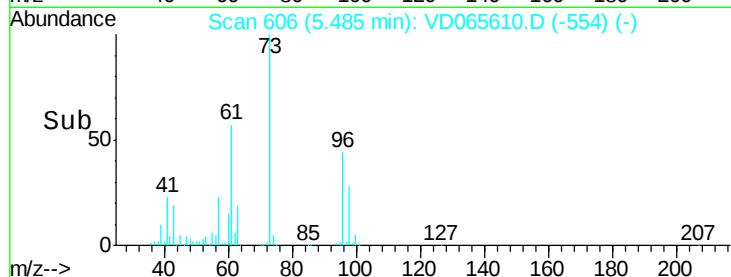
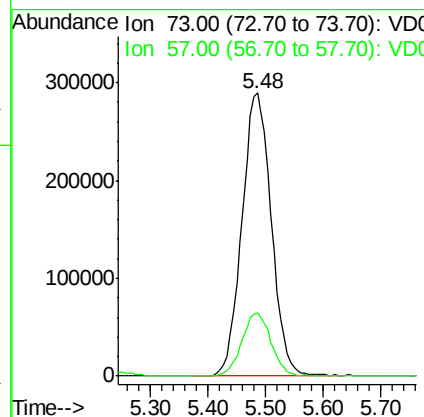
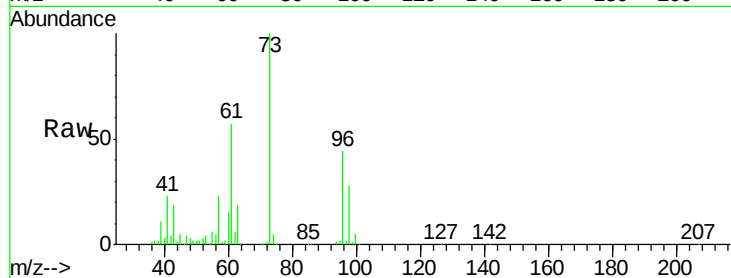
#19
Methyl tert-butyl Ether
Concen: 110.751 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 1024232
Ion Ratio Lower Upper
73 100
57 22.5 18.2 27.2

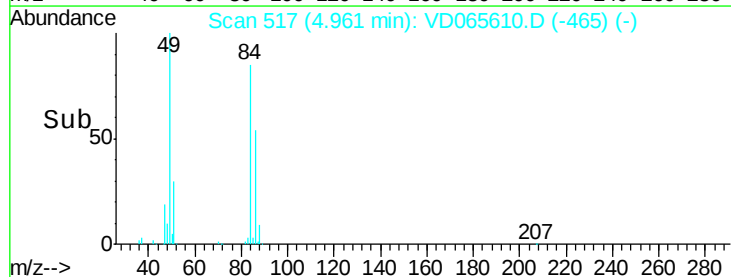
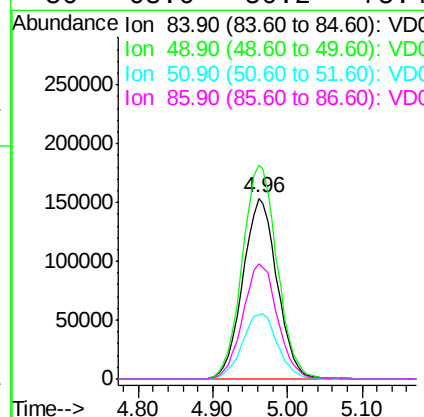
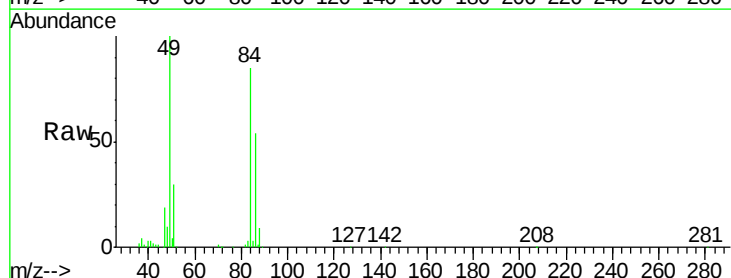
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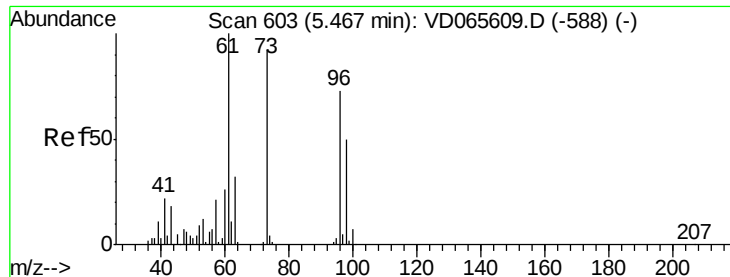
MMDadoda
4/10/2020 2:58:50 PM



#20
Methylene Chloride
Concen: 87.093 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion: 84 Resp: 490585
Ion Ratio Lower Upper
84 100
49 117.9 93.4 140.2
51 35.4 28.5 42.7
86 63.6 50.2 75.4





#21

trans-1,2-Dichloroethene

Concen: 97.955 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

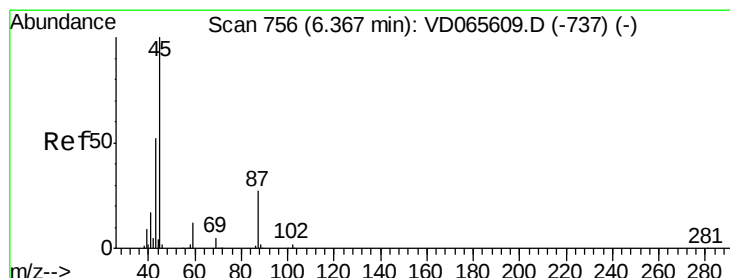
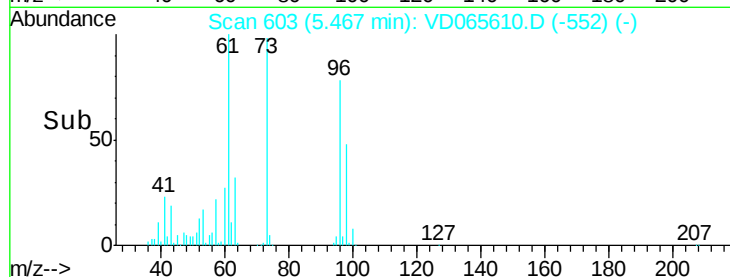
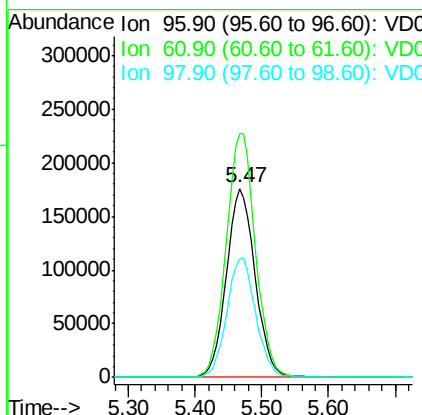
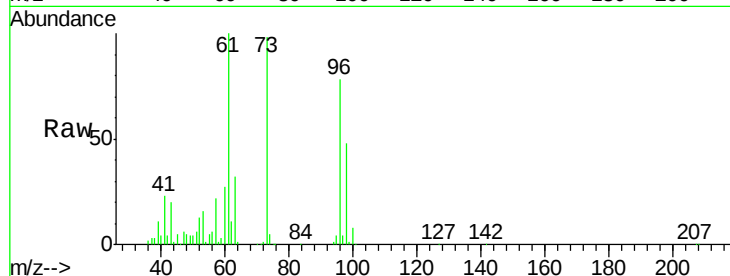
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	531834
Ion	Ratio	Lower	Upper
96	100		
61	129.0	109.8	164.6
98	62.4	54.8	82.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 105.785 ug/l

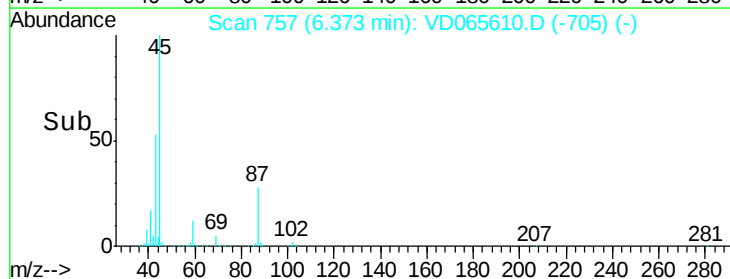
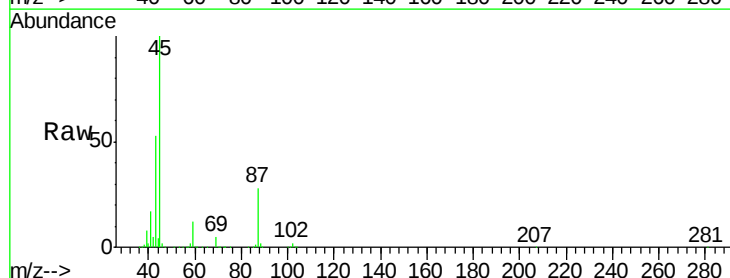
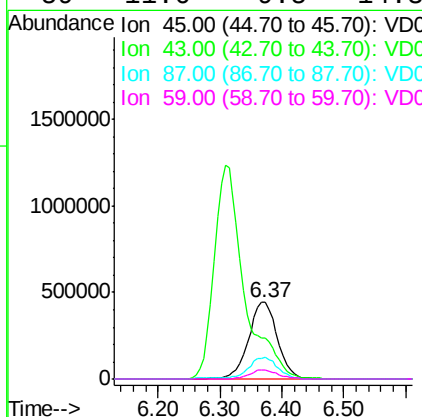
RT: 6.37 min Scan# 757

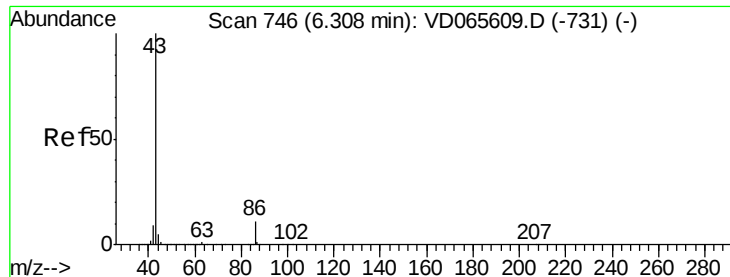
Delta R.T. 0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Tgt Ion:	45	Resp:	1442908
Ion	Ratio	Lower	Upper
45	100		
43	52.3	42.5	63.7
87	28.3	22.3	33.5
59	11.6	9.5	14.3





#23

Vinyl Acetate

Concen: 595.666 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 4174956

Ion Ratio Lower Upper

43 100

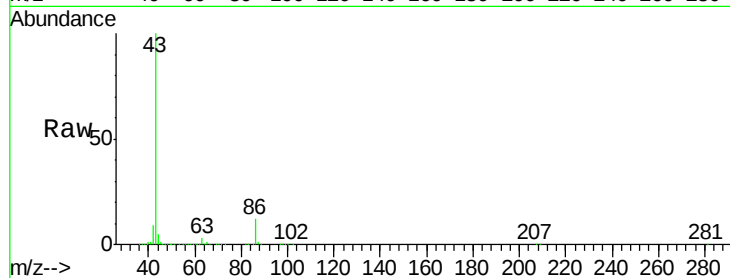
86 11.6 9.1 13.7

Manual Integrations

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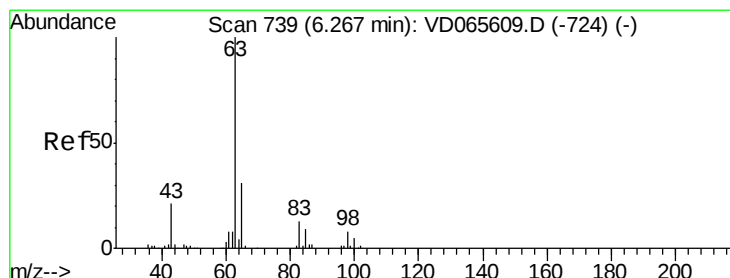
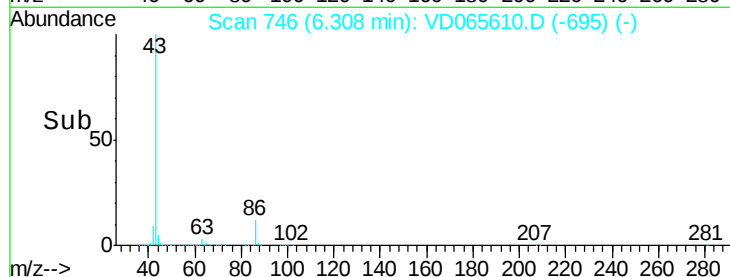
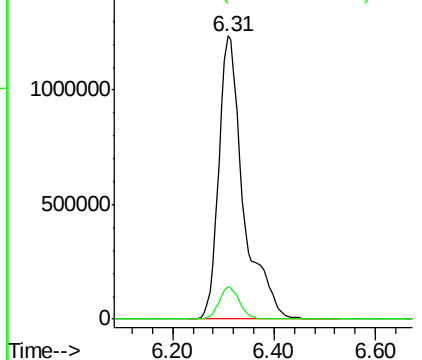
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 94.921 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

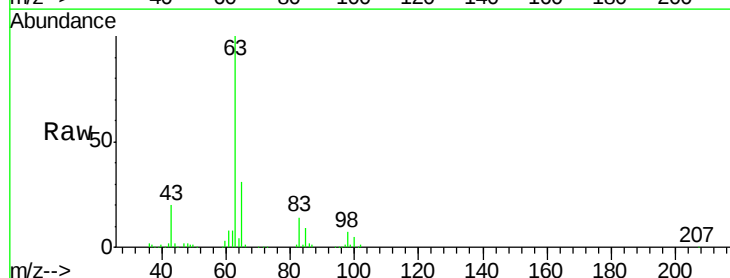
Tgt Ion: 63 Resp: 861371

Ion Ratio Lower Upper

63 100

98 7.3 4.0 11.9

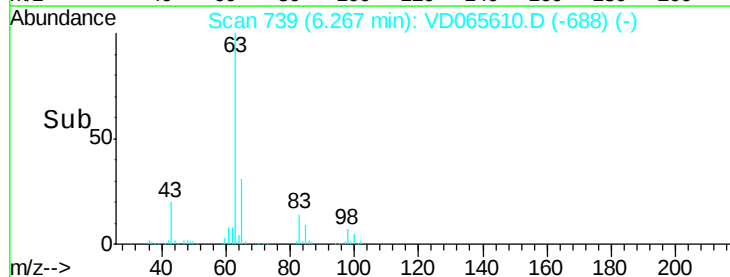
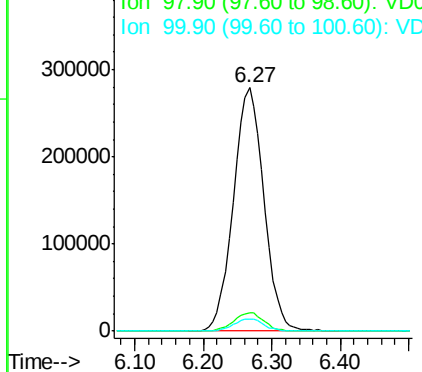
100 4.8 2.6 7.8

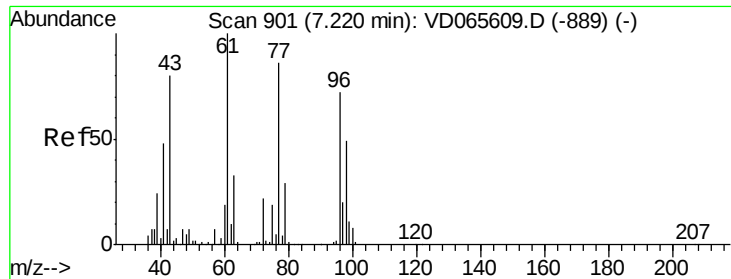


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





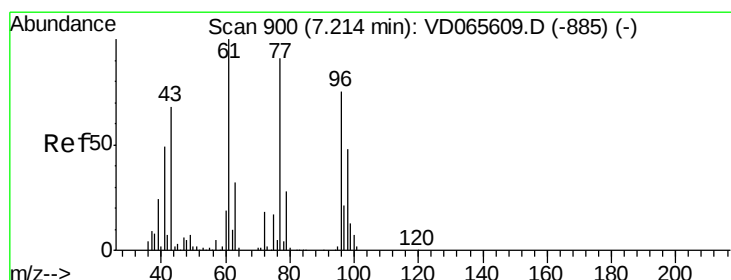
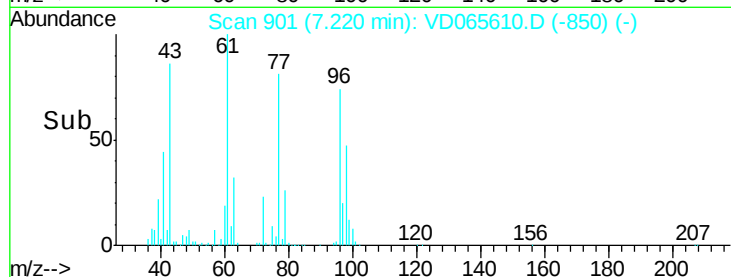
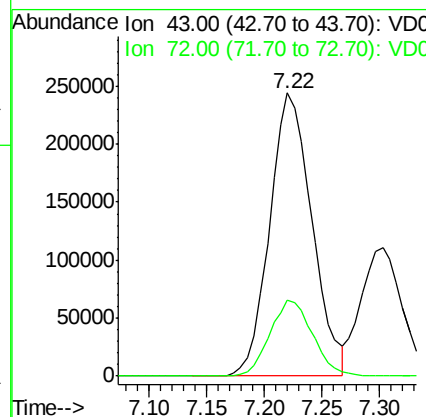
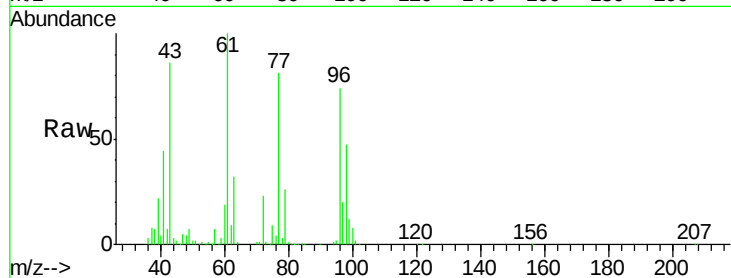
#25
2-Butanone
Concen: 532.799 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 621424
Ion Ratio Lower Upper
43 100
72 27.1 22.5 33.7

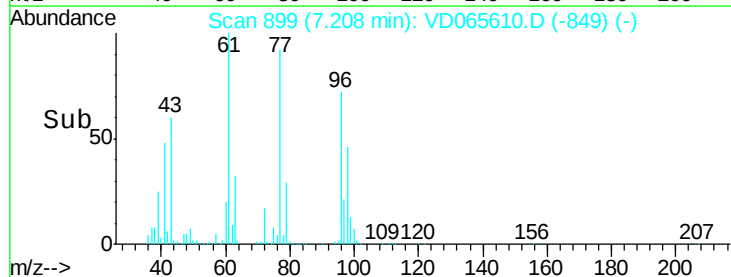
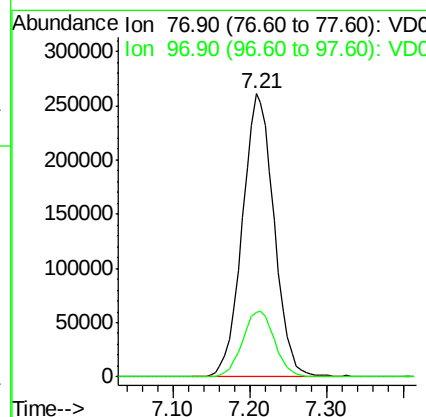
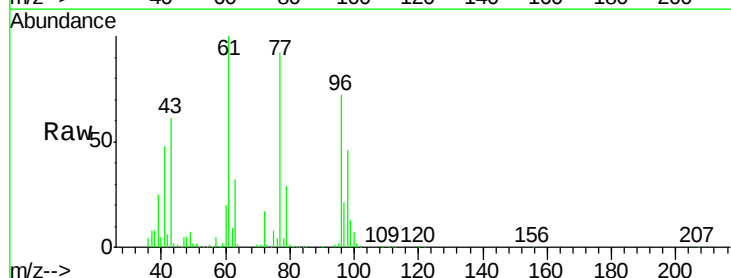
Manual Integrations
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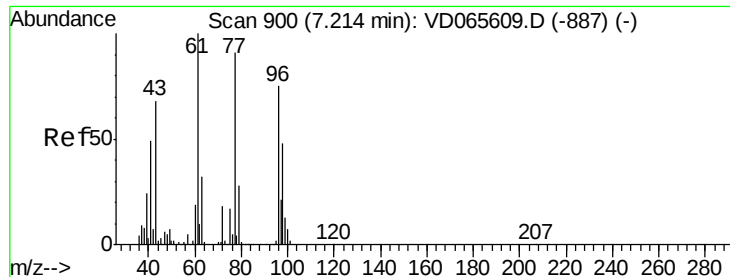
MMDadoda
4/10/2020 2:58:50 PM



#26
2,2-Dichloropropane
Concen: 92.413 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion: 77 Resp: 750492
Ion Ratio Lower Upper
77 100
97 23.6 11.7 35.1





#27

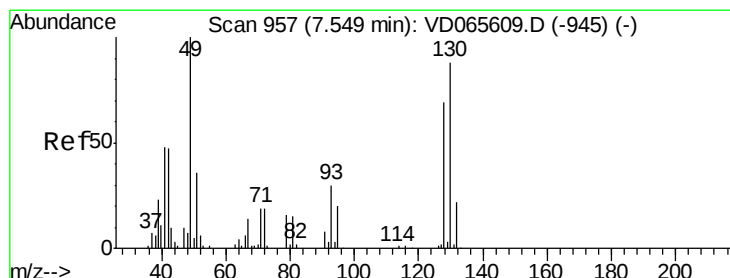
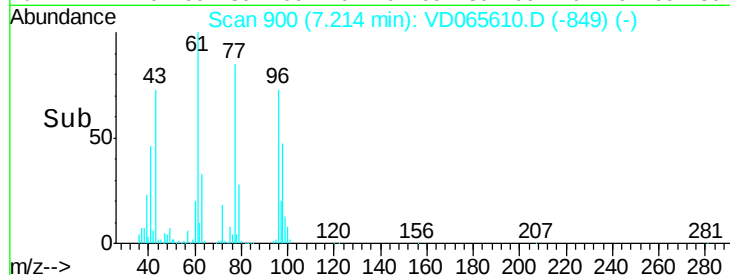
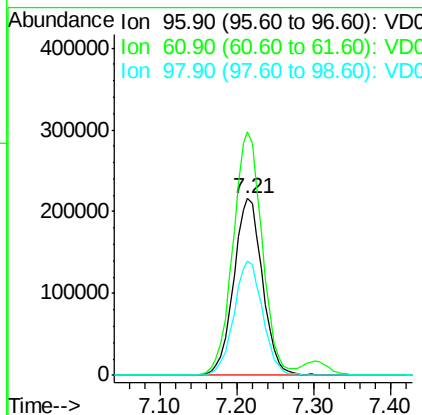
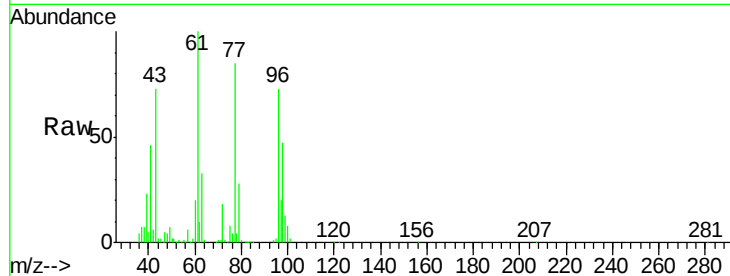
cis-1,2-Dichloroethene
 Concen: 101.942 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.3	0.0	279.0	
98	64.6	0.0	130.2	

Manual Integrations
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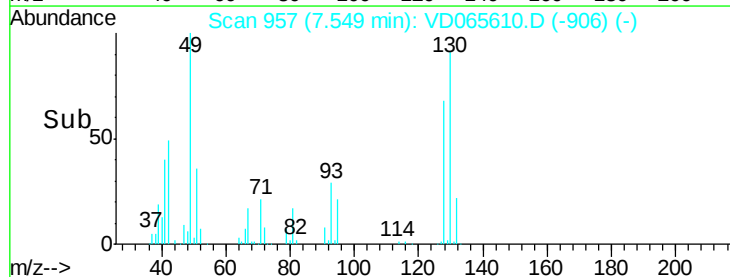
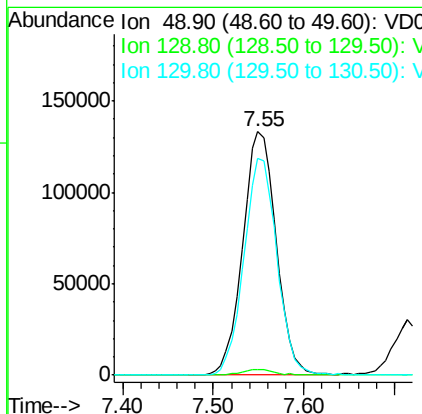
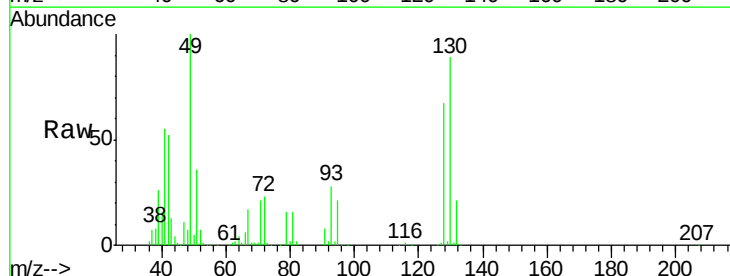
MMDadoda
 4/10/2020 2:58:50 PM

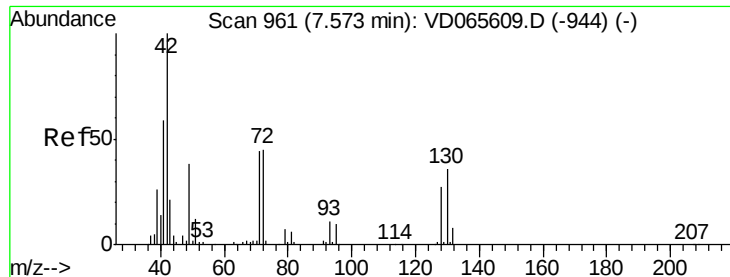


#28

Bromochloromethane
 Concen: 93.764 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.8	
130	88.1	69.4	104.2	





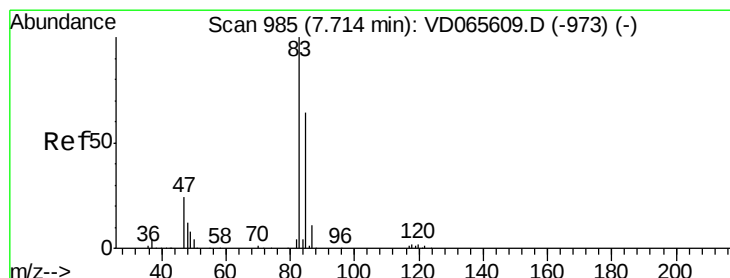
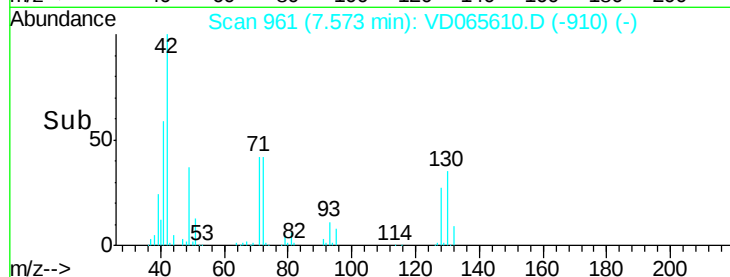
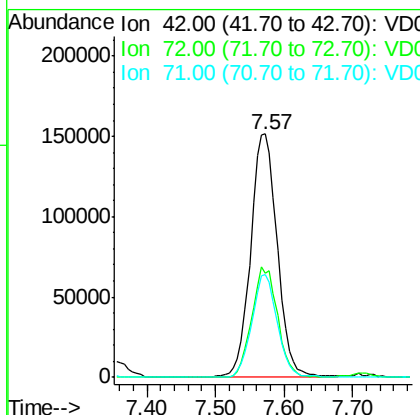
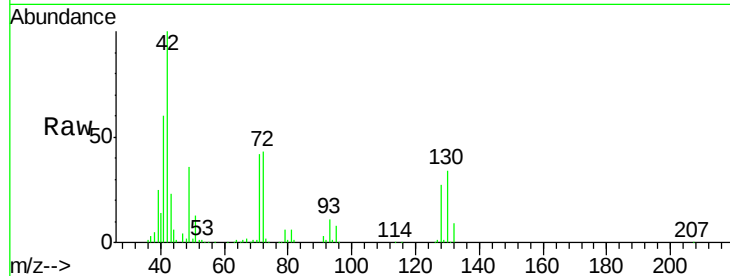
#29
Tetrahydrofuran
Concen: 561.379 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.8	35.3	52.9
71	40.5	33.1	49.7

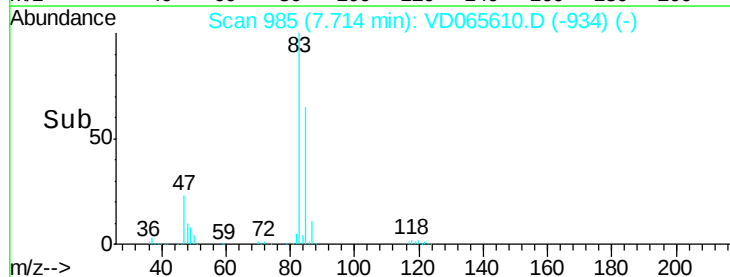
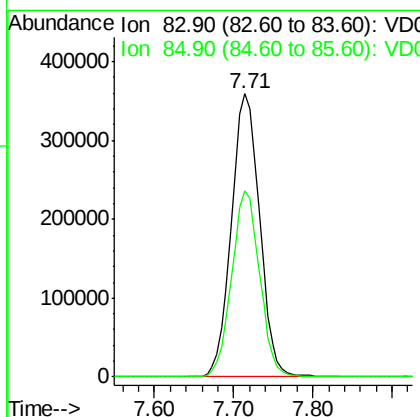
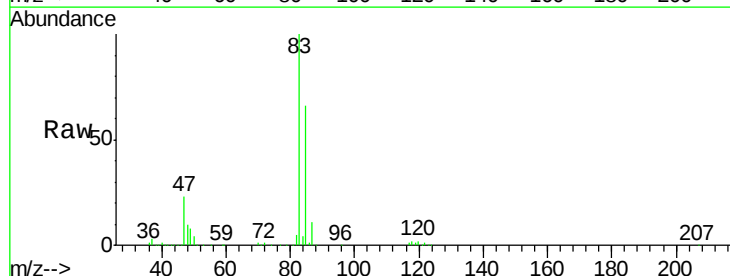
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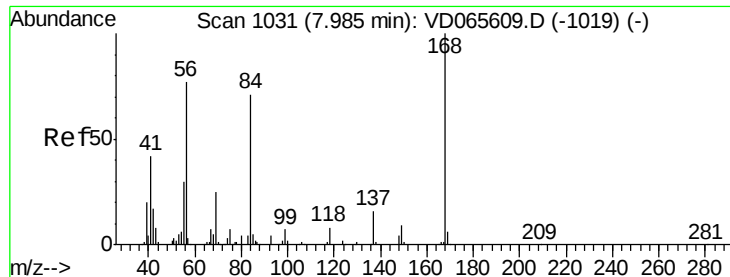
MMDadoda
4/10/2020 2:58:50 PM



#30
Chloroform
Concen: 93.554 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.9	76.3





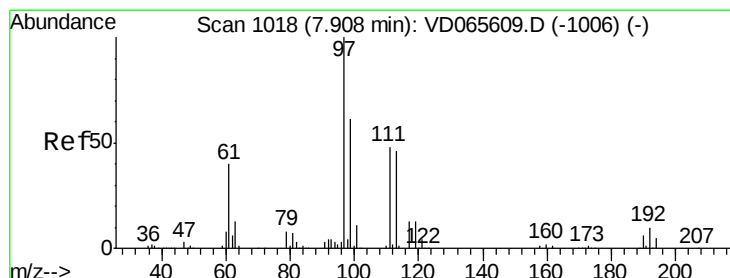
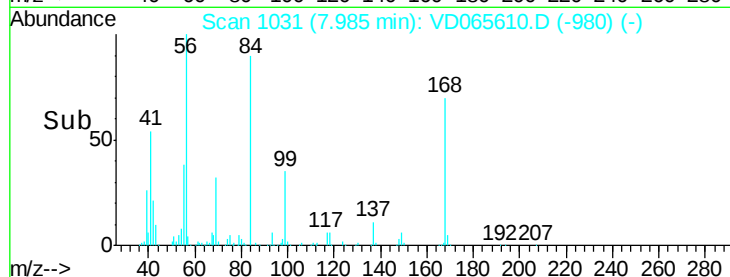
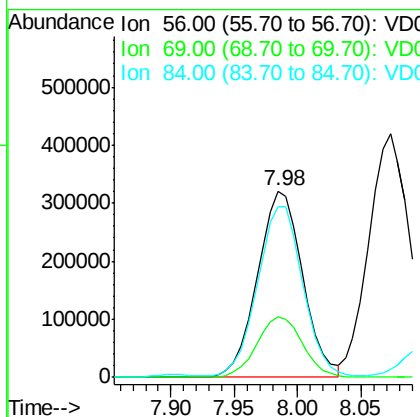
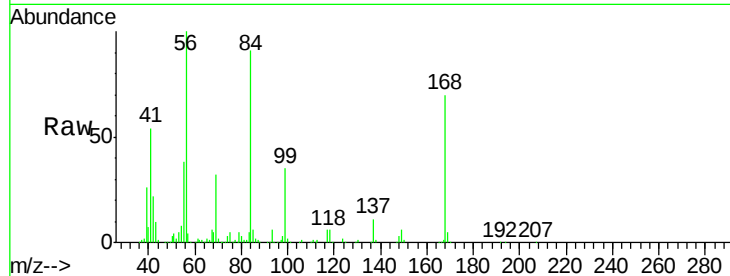
#31
Cyclohexane
Concen: 94.658 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.3	26.2	39.4	
84	90.0	73.7	110.5	

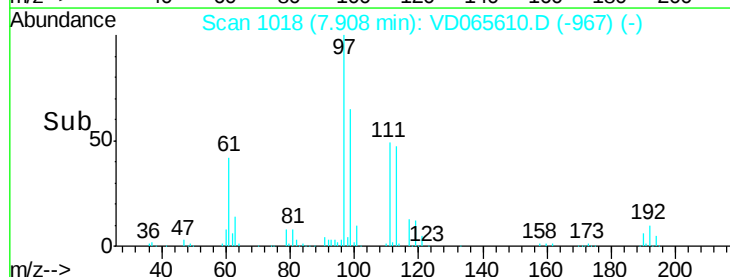
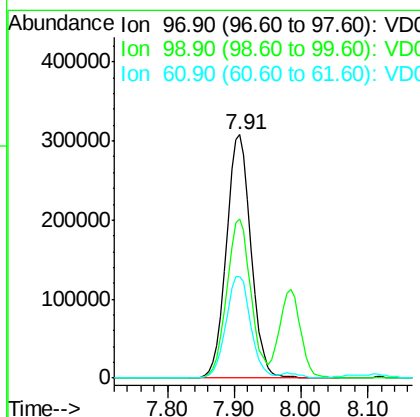
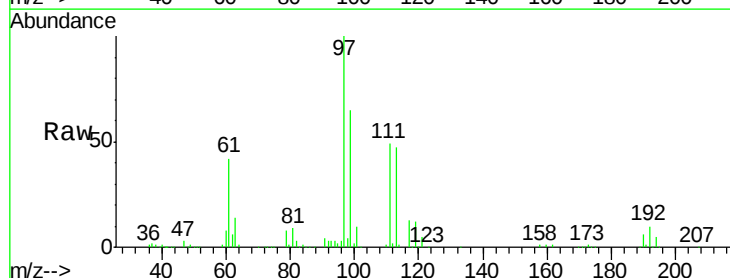
Manual Integrations
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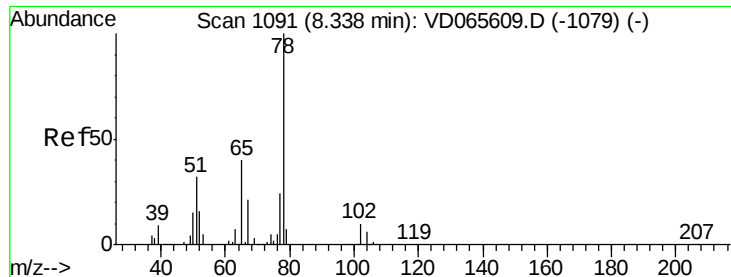
MMDadoda
4/10/2020 2:58:50 PM



#32
1,1,1-Trichloroethane
Concen: 93.298 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.0	50.2	75.2	
61	42.0	33.5	50.3	





#33

1,2-Dichloroethane-d4

Concen: 93.077 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 439224

Ion Ratio Lower Upper

65 100

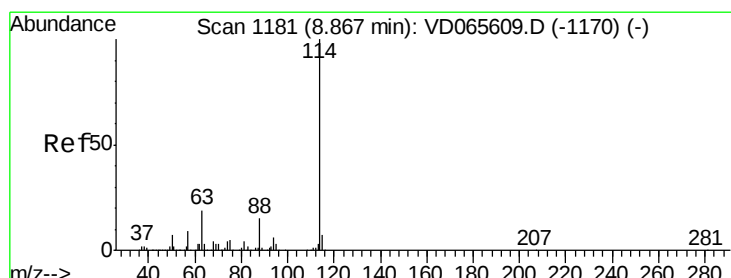
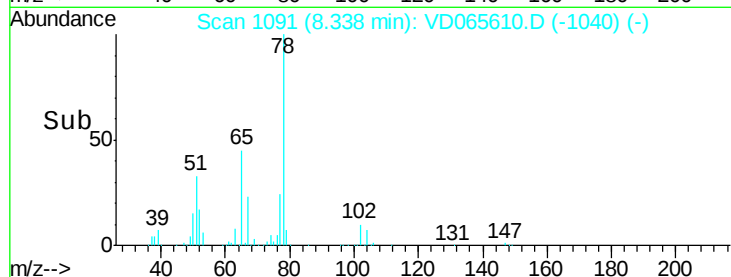
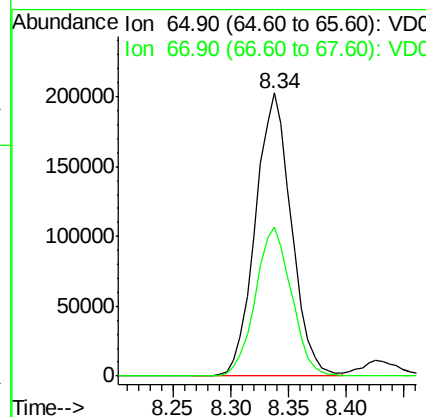
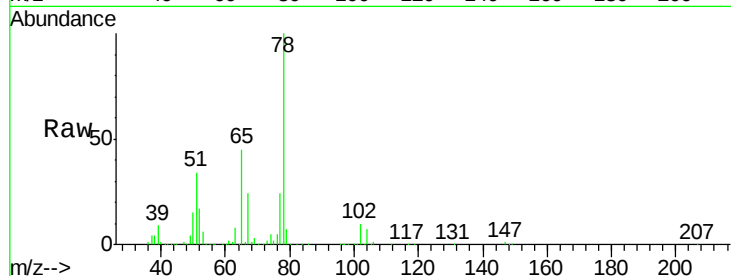
67 52.3 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

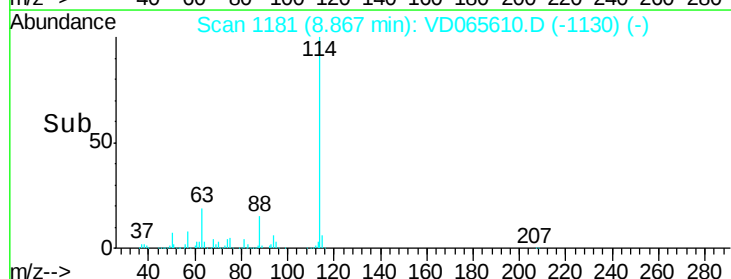
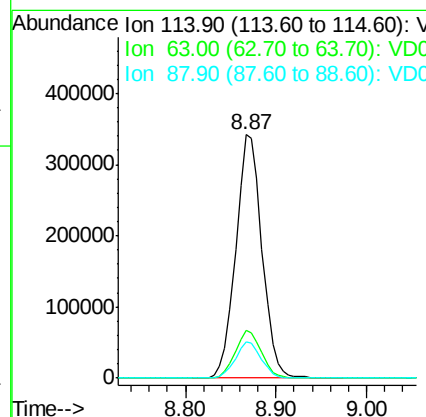
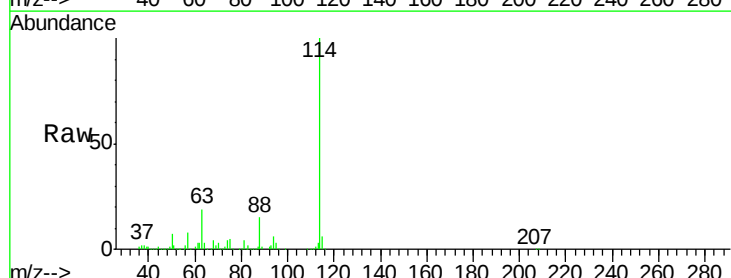
Tgt Ion: 114 Resp: 689532

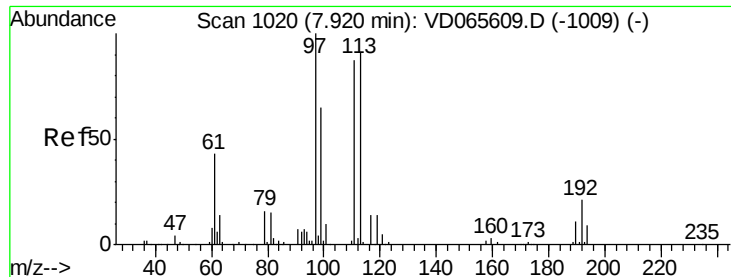
Ion Ratio Lower Upper

114 100

63 19.5 0.0 38.2

88 14.9 0.0 29.6





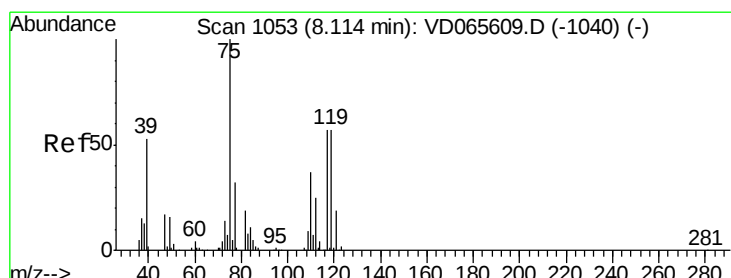
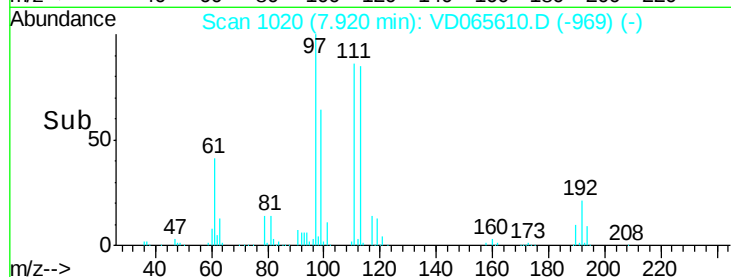
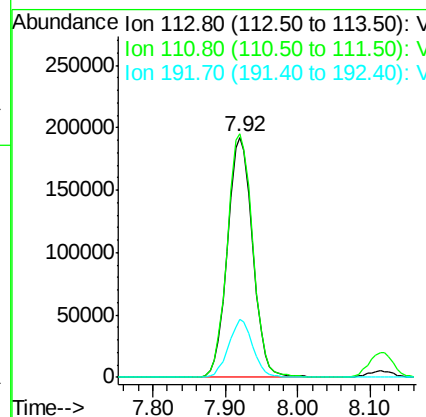
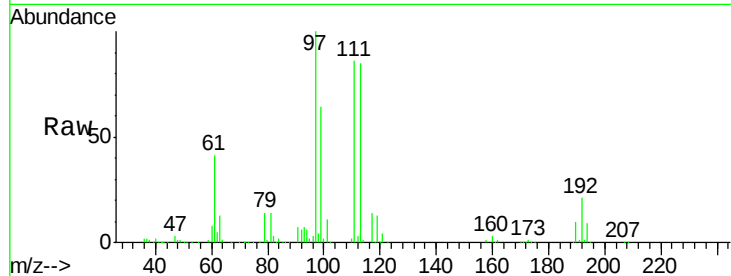
#35
 Dibromofluoromethane
 Concen: 96.473 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	80.6	120.8
192	23.3	18.6	27.8

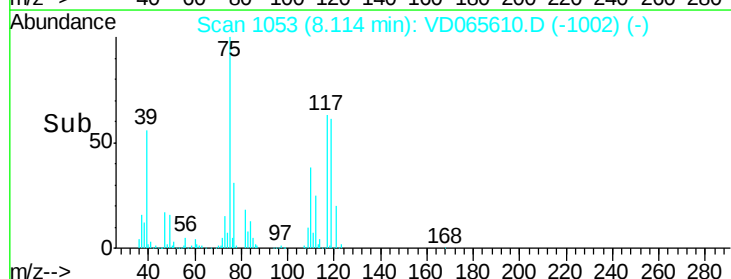
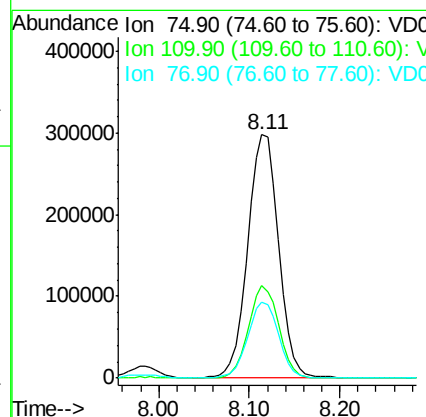
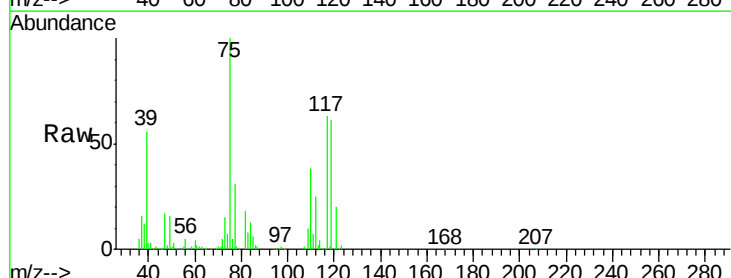
Manual Integrations
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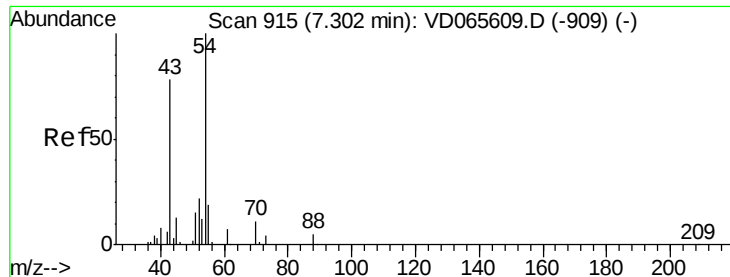
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 98.890 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.5	18.3	54.9
77	31.3	25.0	37.6





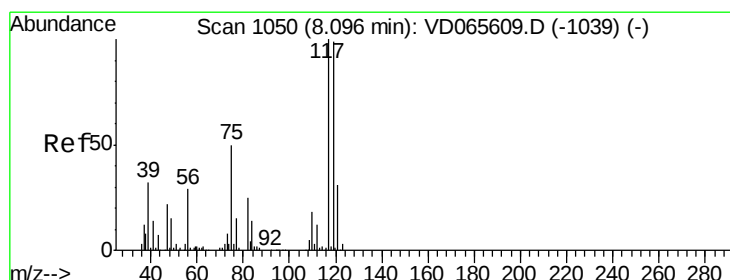
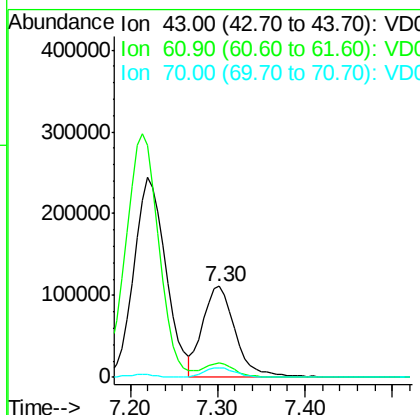
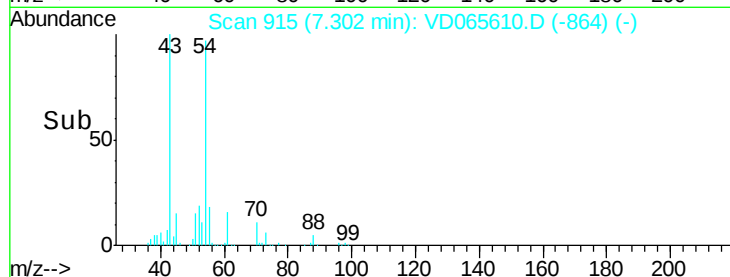
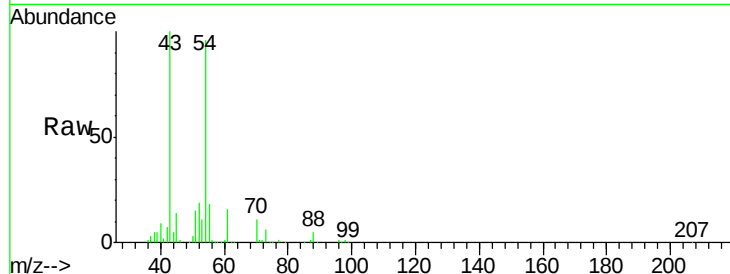
#37
Ethyl Acetate
Concen: 108.528 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	10.7	8.6	13.0

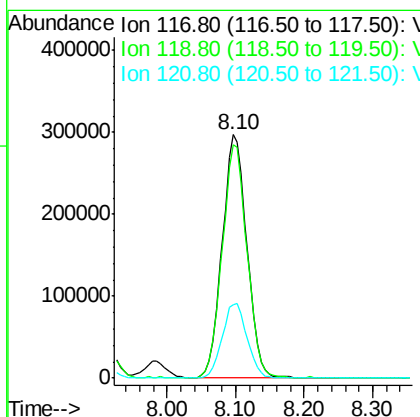
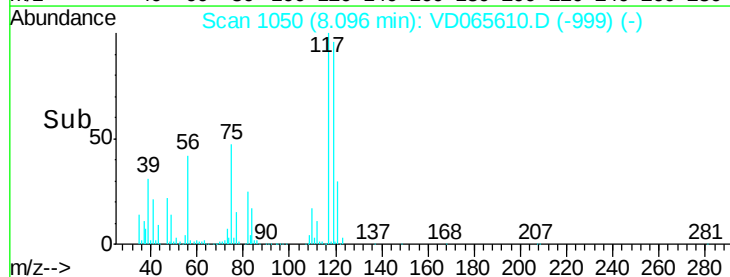
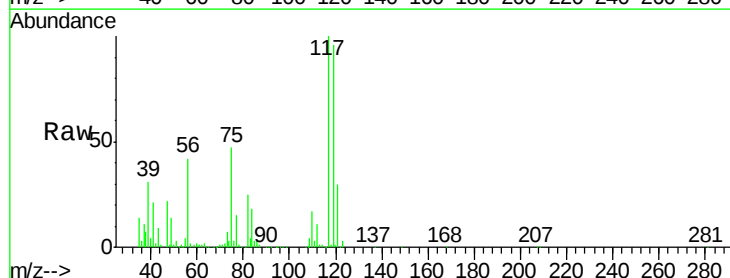
Manual Integrations
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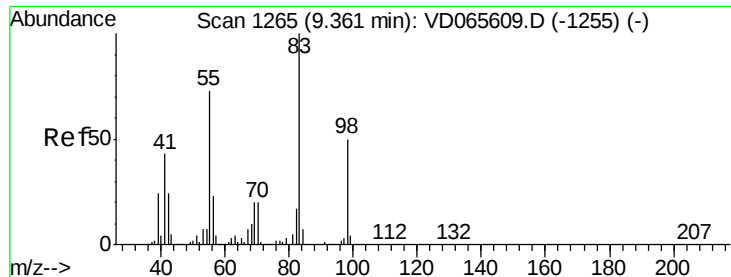
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4/10/2020 2:58:50 PM



#38
Carbon Tetrachloride
Concen: 95.853 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	78.9	118.3
121	30.3	24.6	37.0





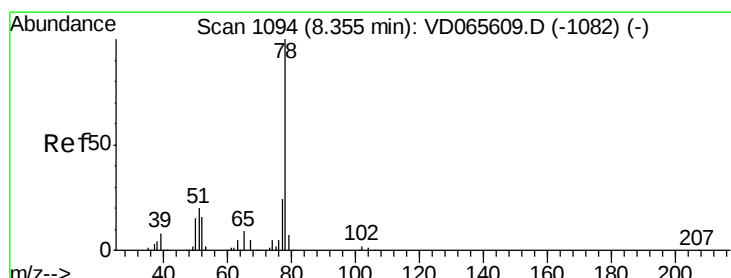
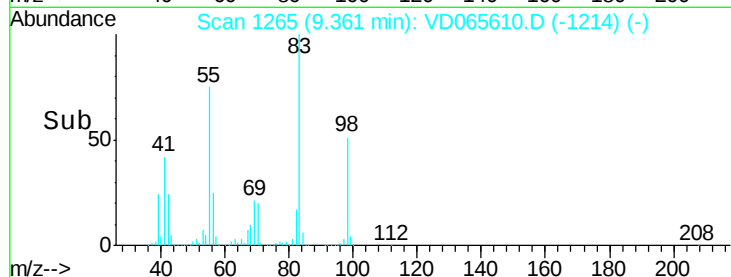
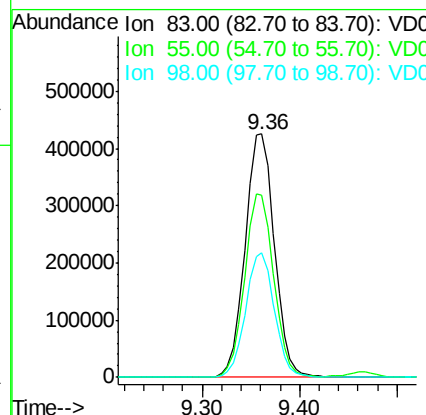
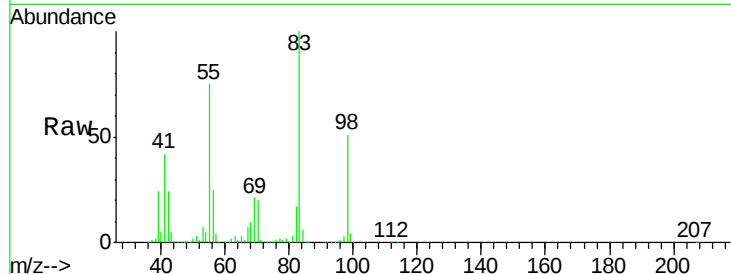
#39
Methvlcvclohexane
Concen: 110.793 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.1	58.7	88.1
98	51.2	40.2	60.4

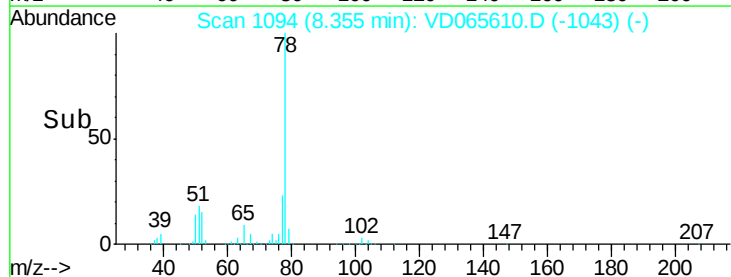
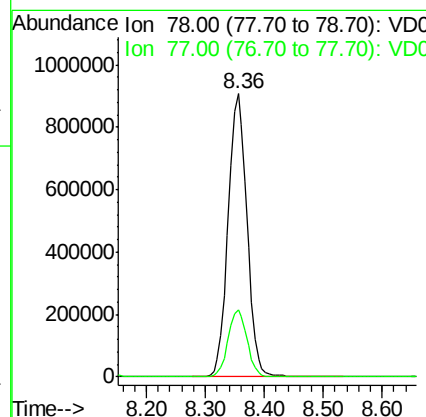
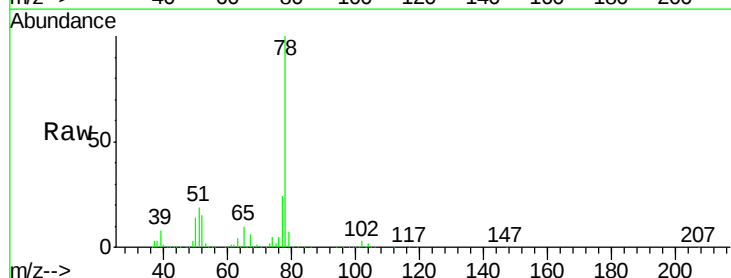
Manual Integrations
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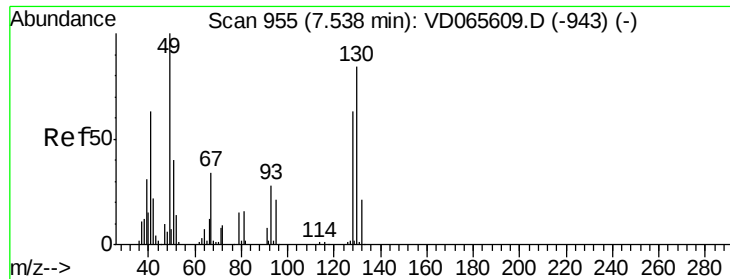
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#40
Benzene
Concen: 99.629 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.4	29.0





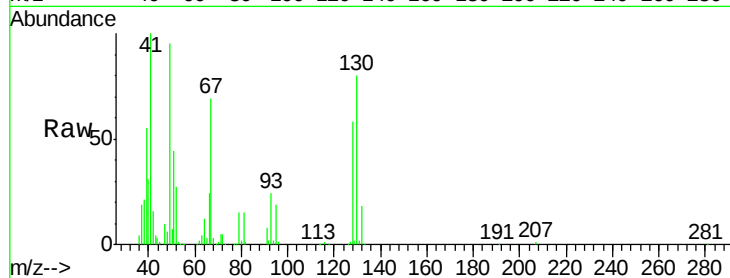
#41
Methacrylonitrile
Concen: 103.759 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

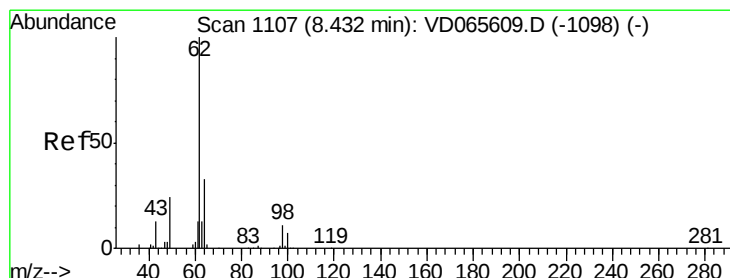
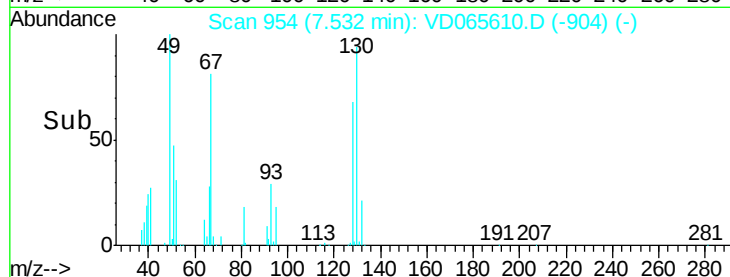
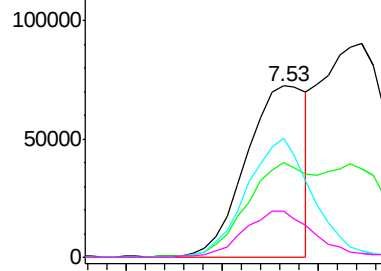
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

Manual Integrations
APPROVED

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4/10/2020 2:58:50 PM

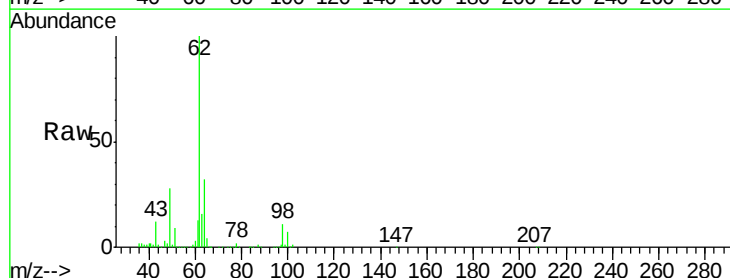


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

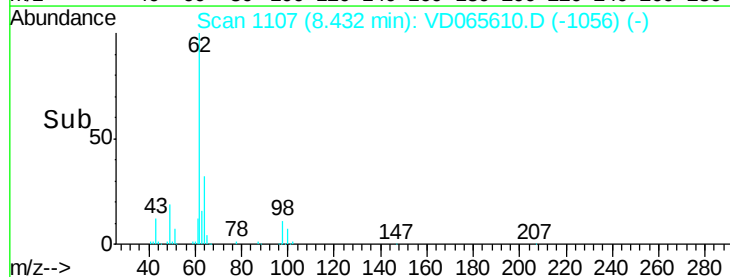
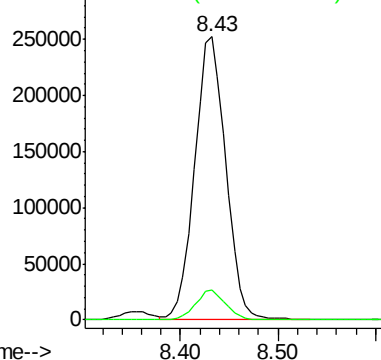


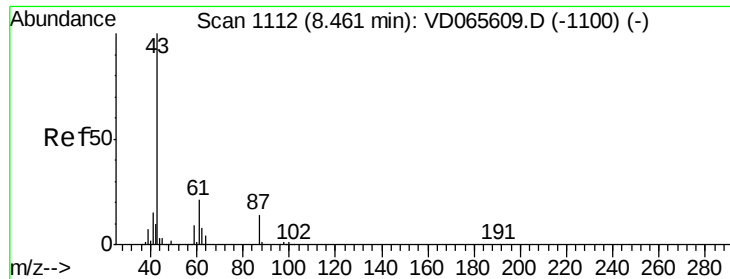
#42
1,2-Dichloroethane
Concen: 98.098 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	21.0



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 111.577 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

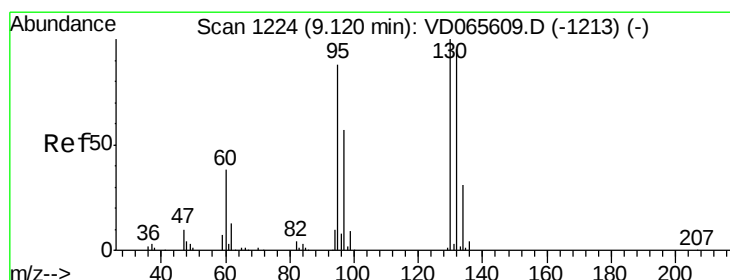
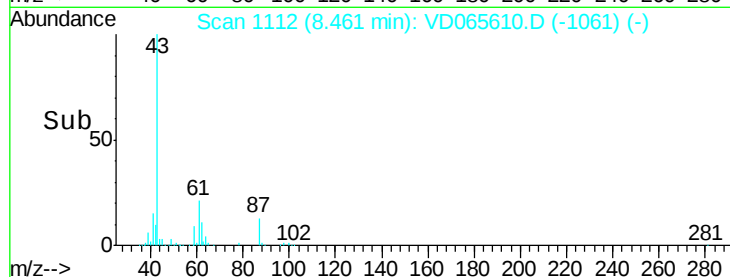
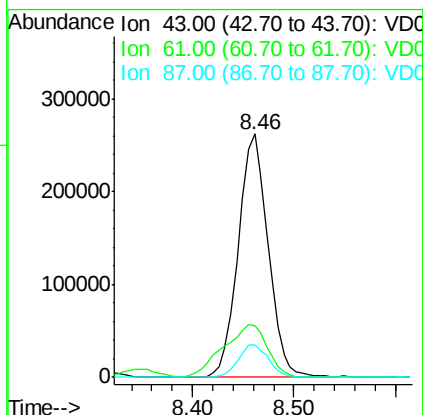
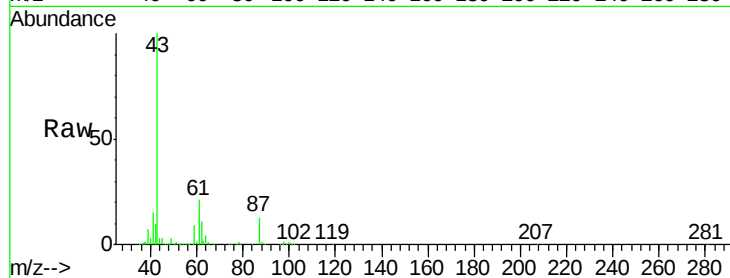
ClientSampleId :

VSTDIC100

Tot Ion:	43	Resp:	536574
Ion	Ratio	Lower	Upper
43	100		
61	31.6	25.9	38.9
87	13.6	10.9	16.3

Manual Integrations
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MMDadoda
4/10/2020 2:58:50 PM



#44

Trichloroethene

Concen: 97.980 ug/l

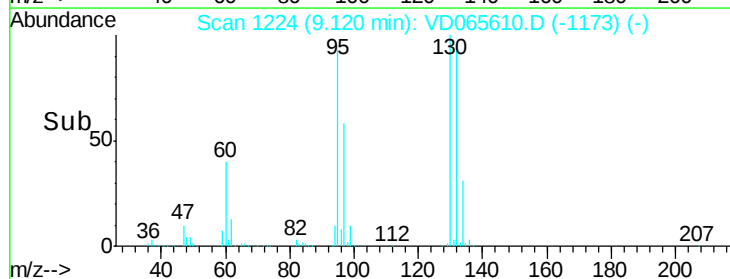
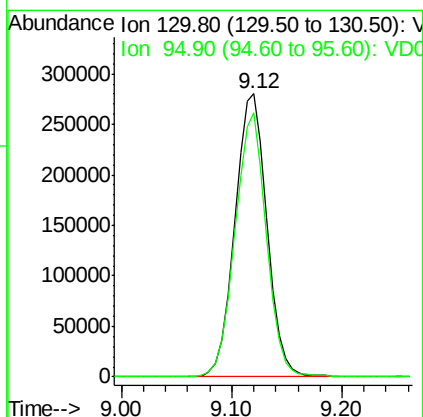
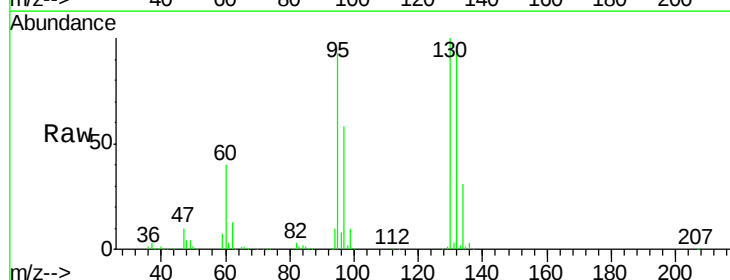
RT: 9.12 min Scan# 1224

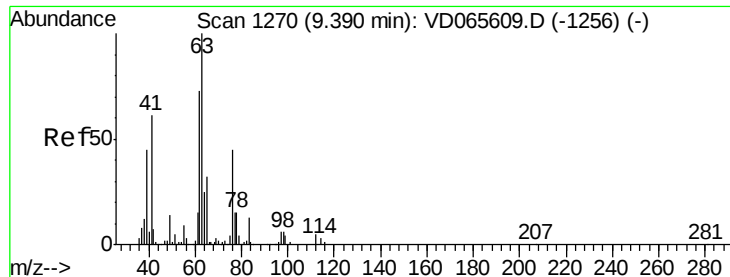
Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Tgt Ion:	130	Resp:	571162
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	176.8





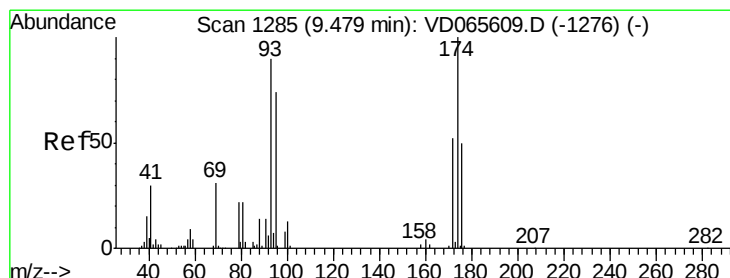
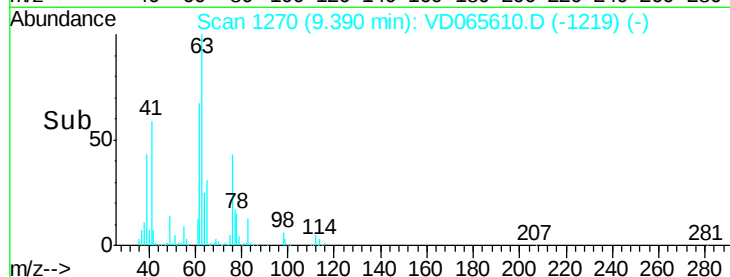
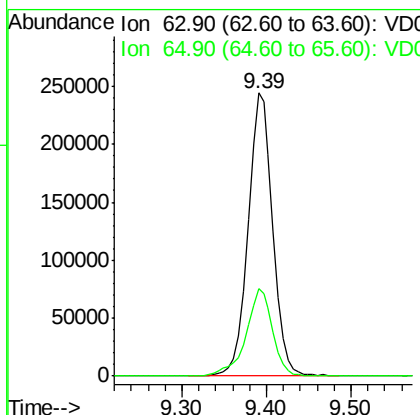
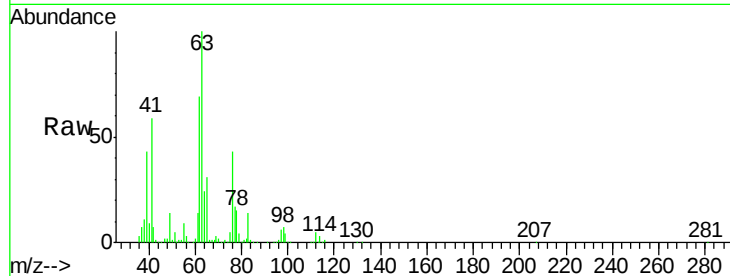
#45
 1,2-Dichloropropane
 Concen: 100.243 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	25.3	37.9

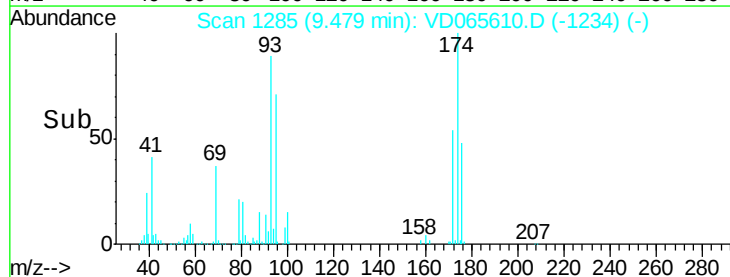
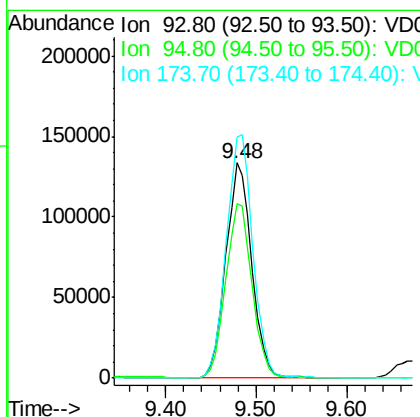
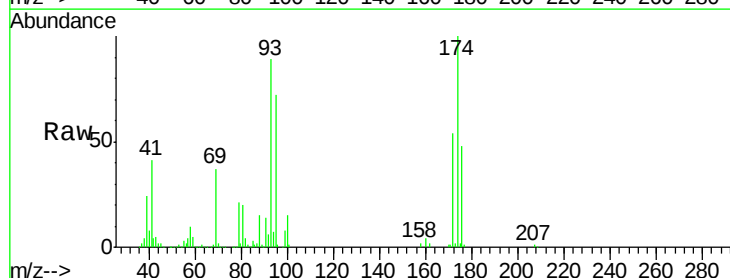
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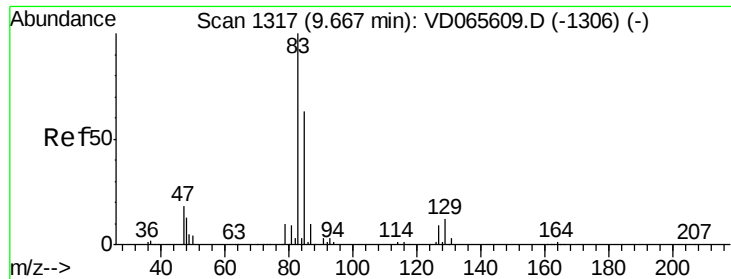
MMDadoda
 4/10/2020 2:58:50 PM



#46
 Dibromomethane
 Concen: 100.481 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.5	66.5	99.7
174	116.0	91.5	137.3





#47

Bromodichloromethane

Concen: 98.639 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

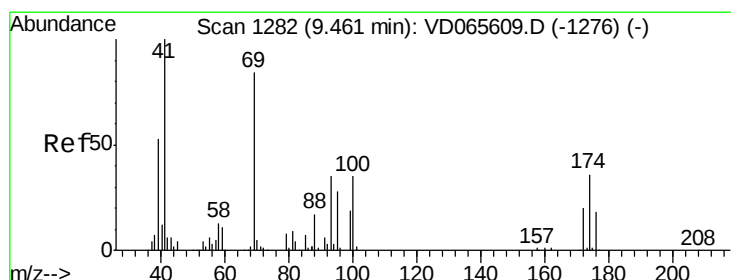
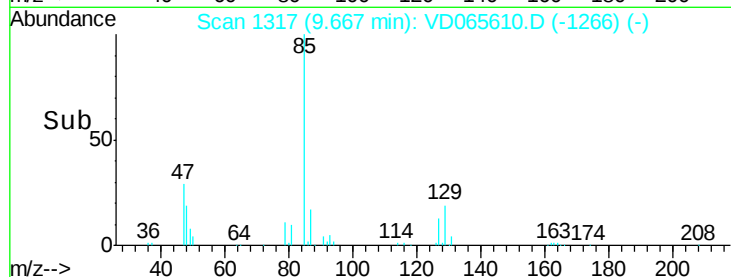
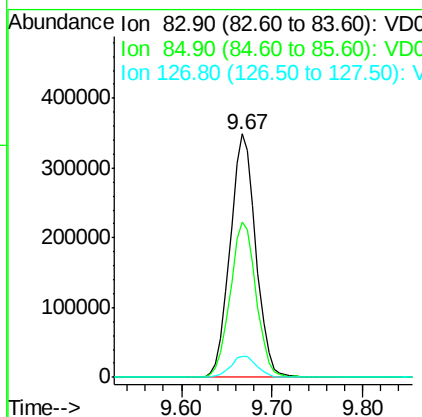
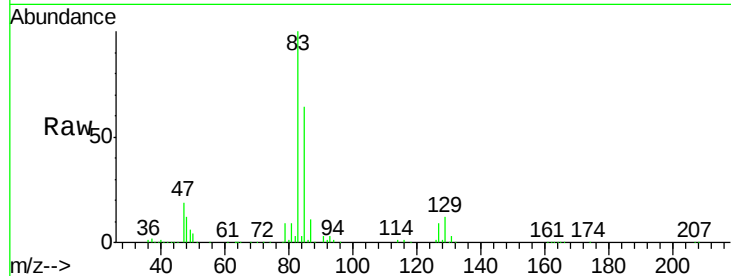
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	686671
Ion	Ratio	Lower	Upper
83	100		
85	63.9	50.7	76.1
127	8.6	7.6	11.4

Manual Integrations
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4/10/2020 2:58:50 PM



#48

Methyl methacrylate

Concen: 116.026 ug/l

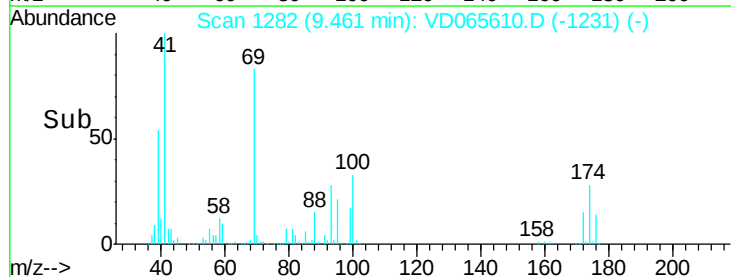
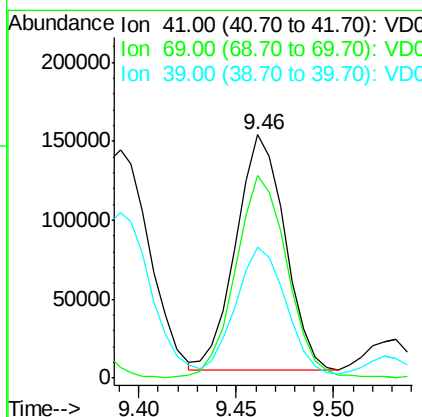
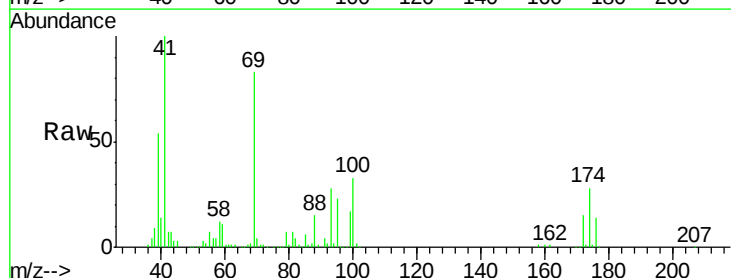
RT: 9.46 min Scan# 1282

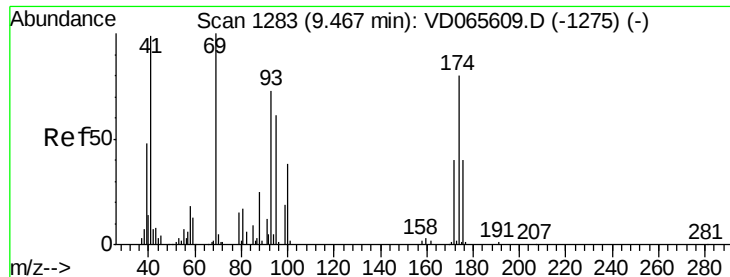
Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Tgt Ion:	41	Resp:	258785
Ion	Ratio	Lower	Upper
41	100		
69	91.1	72.4	108.6
39	58.9	43.5	65.3





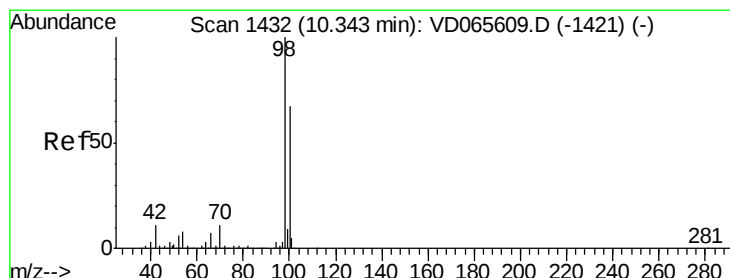
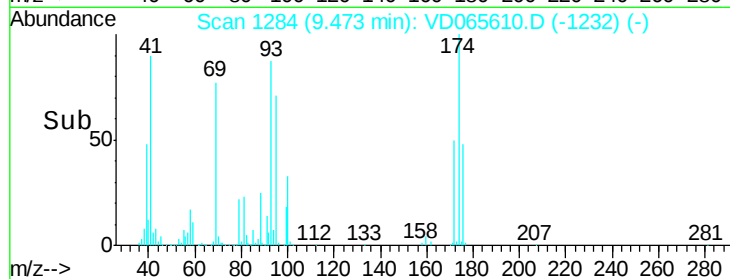
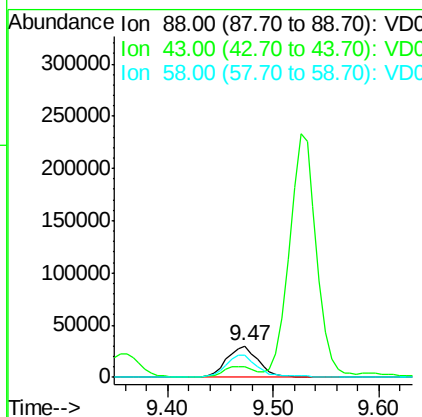
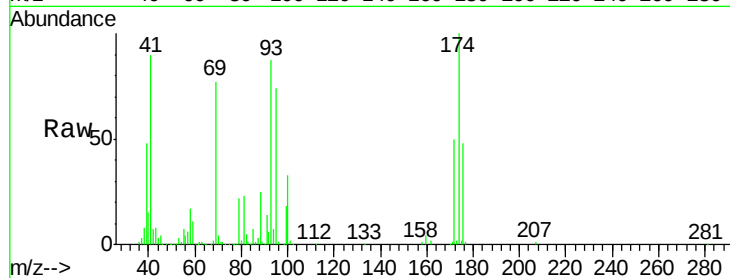
#49
1,4-Dioxane
Concen: 2222.689 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	62491
Ion Ratio	Lower	Upper	
88	100		
43	36.3	29.8	44.8
58	69.0	57.7	86.5

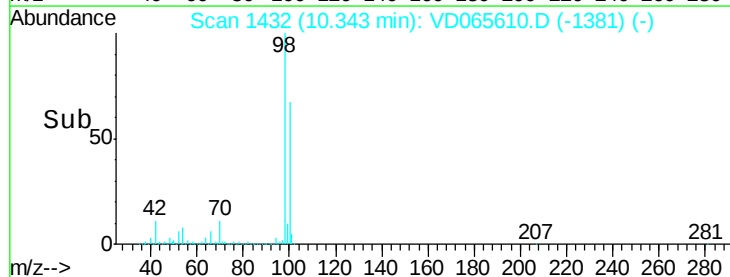
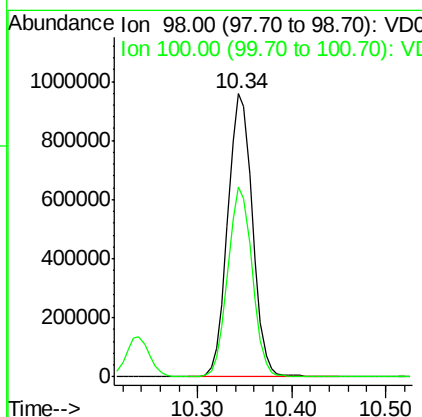
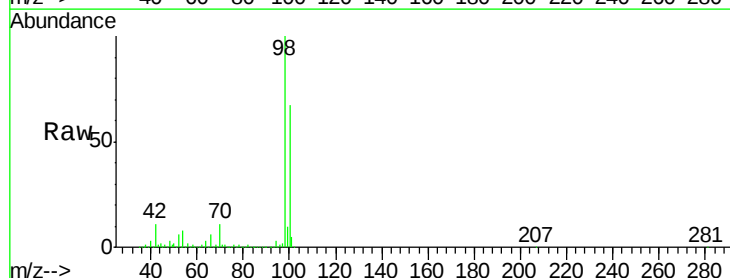
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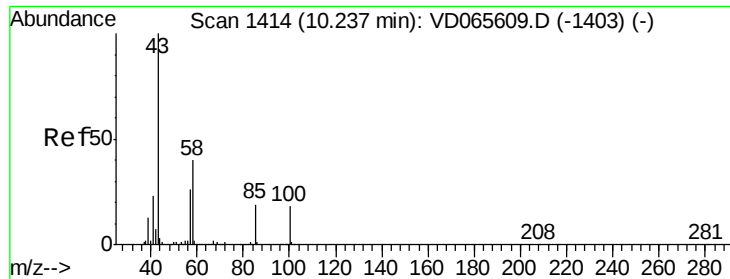
MMDadoda
4/10/2020 2:58:50 PM



#50
Toluene-d8
Concen: 99.608 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	98	Resp	1752240
Ion Ratio	Lower	Upper	
98	100		
100	66.4	52.6	79.0





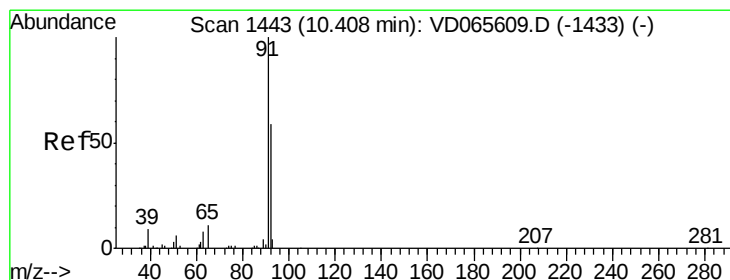
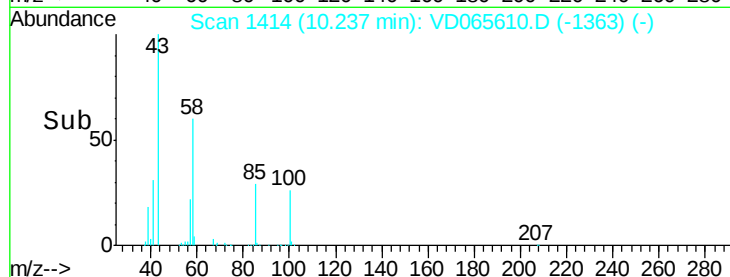
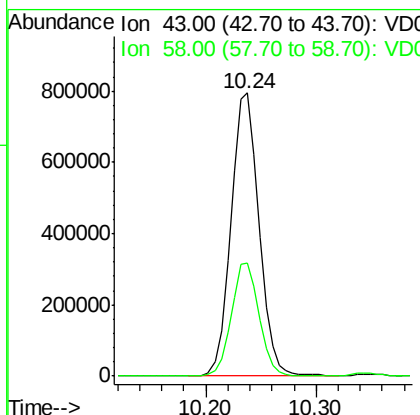
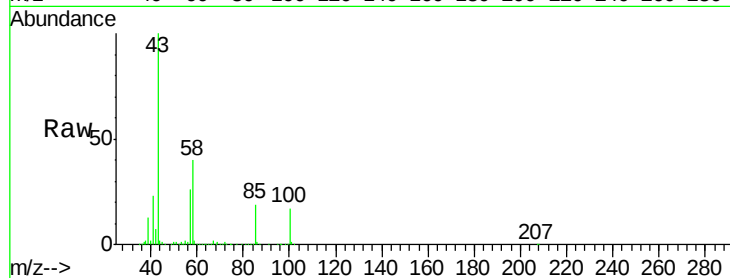
#51
4-Methyl-2-Pentanone
Concen: 572.110 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1417839
Ion Ratio Lower Upper
43 100
58 39.5 31.4 47.2

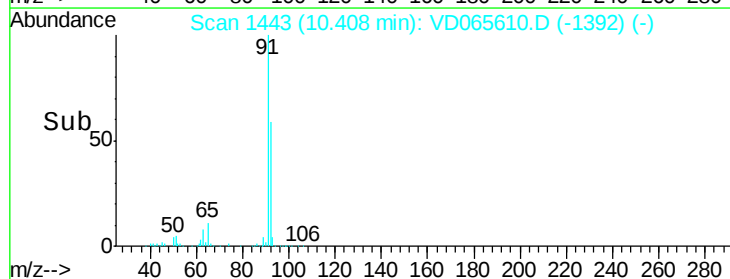
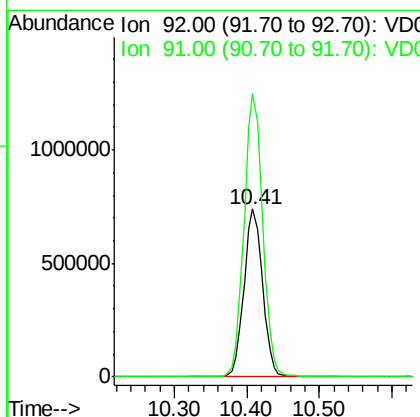
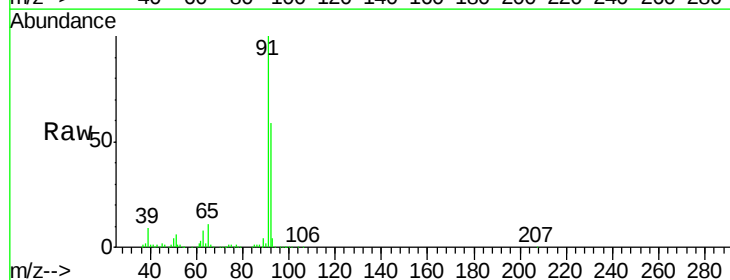
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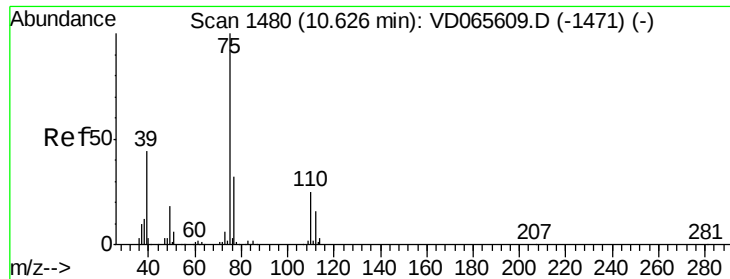
MMDadoda
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#52
Toluene
Concen: 103.056 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion: 92 Resp: 1321615
Ion Ratio Lower Upper
92 100
91 169.6 137.9 206.9





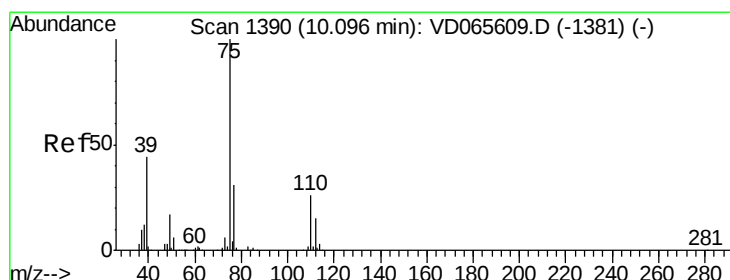
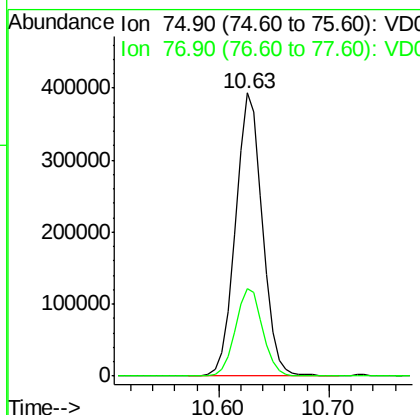
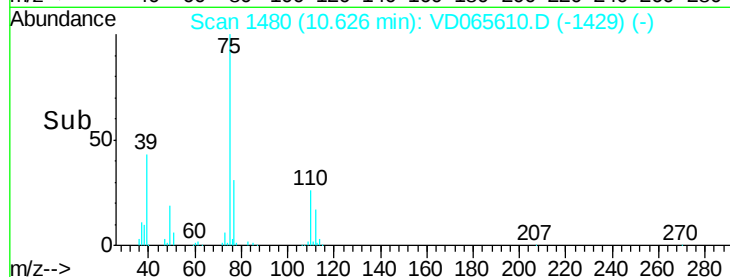
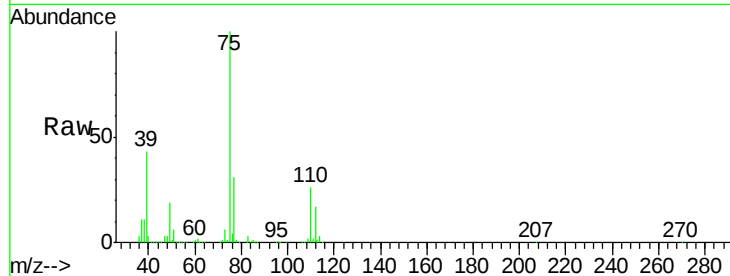
#53
t-1,3-Dichloropropene
Concen: 108.690 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 671580
Ion Ratio Lower Upper
75 100
77 30.9 25.4 38.0

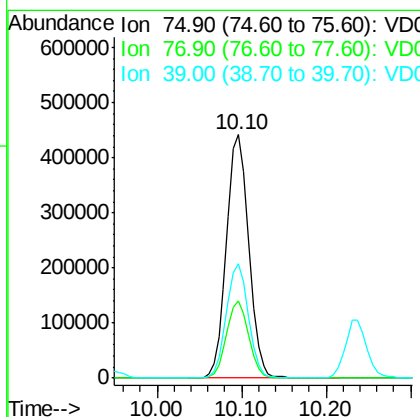
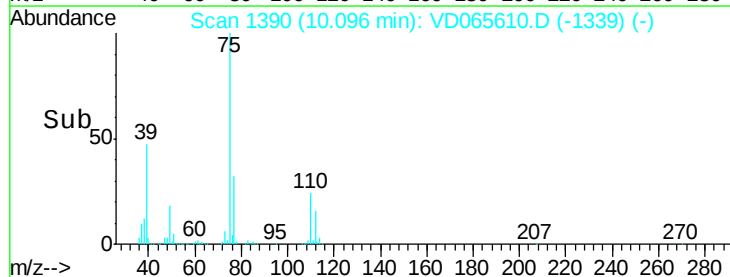
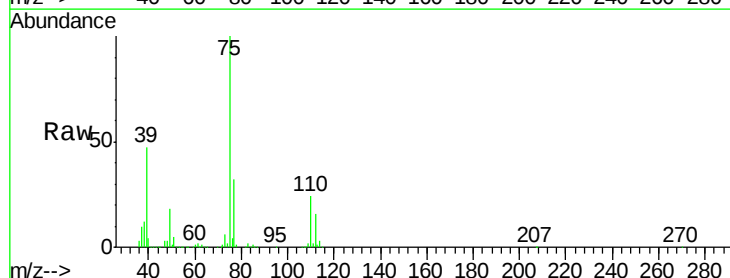
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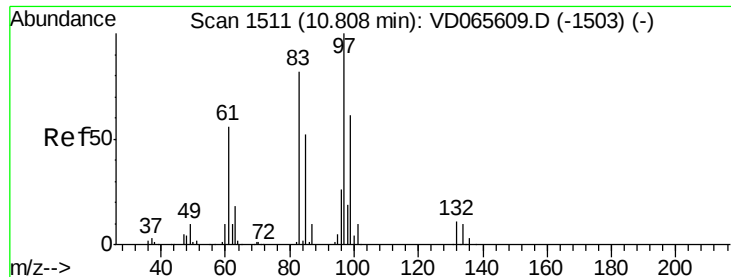
MMDadoda
4/10/2020 2:58:50 PM



#54
cis-1,3-Dichloropropene
Concen: 106.042 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion: 75 Resp: 802250
Ion Ratio Lower Upper
75 100
77 31.6 24.5 36.7
39 46.8 35.5 53.3





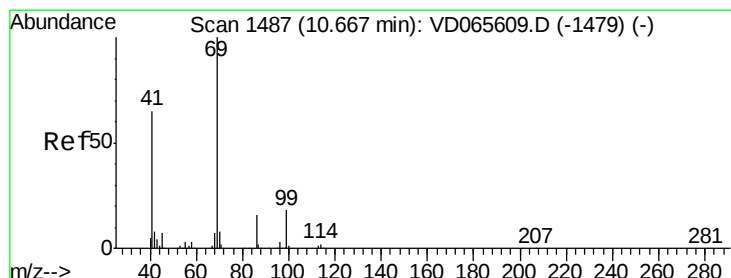
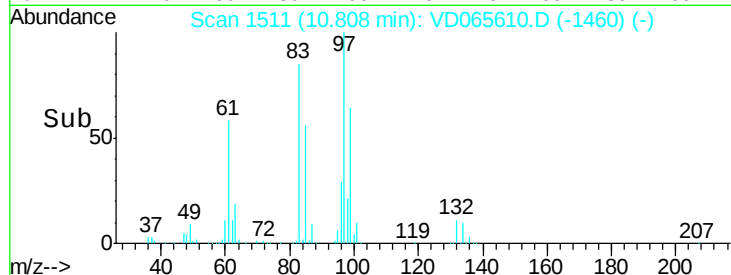
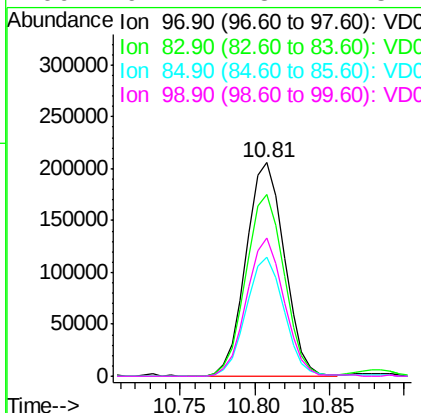
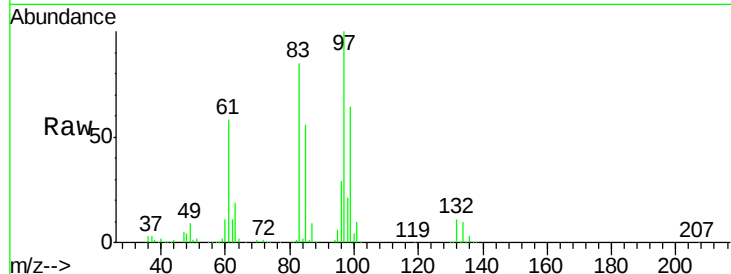
#55
 1,1,2-Trichloroethane
 Concen: 98.722 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		367775		
83	85.3	65.7	98.5		
85	55.9	41.6	62.4		
99	64.4	48.7	73.1		

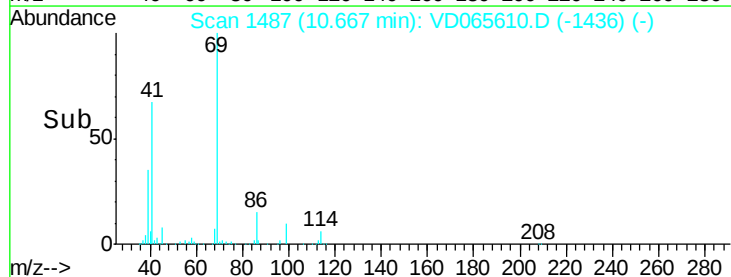
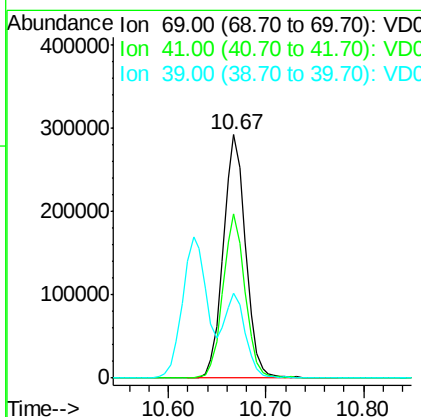
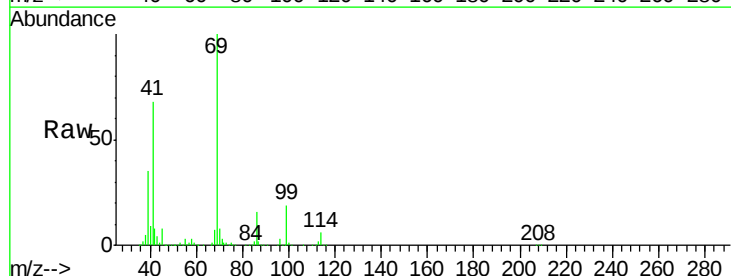
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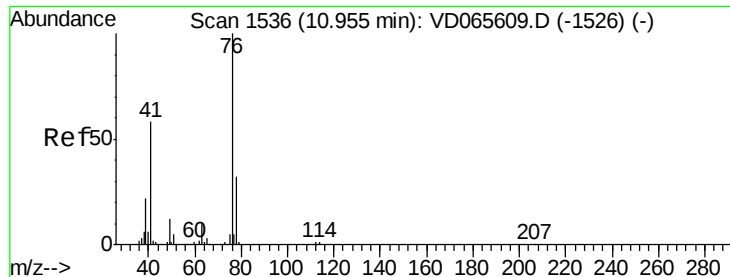
MMDadoda
 4/10/2020 2:58:50 PM



#56
 Ethyl methacrylate
 Concen: 123.456 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		463857		
41	67.2	54.4	81.6		
39	33.4	26.5	39.7		





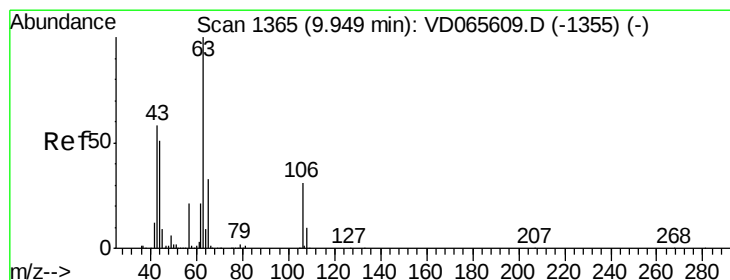
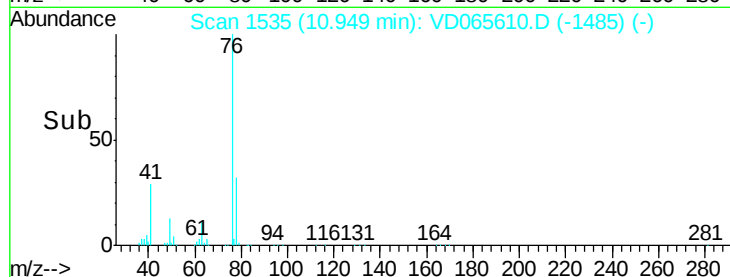
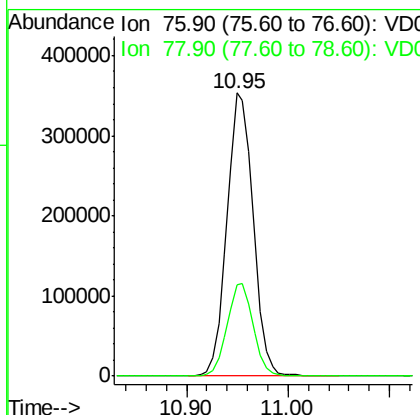
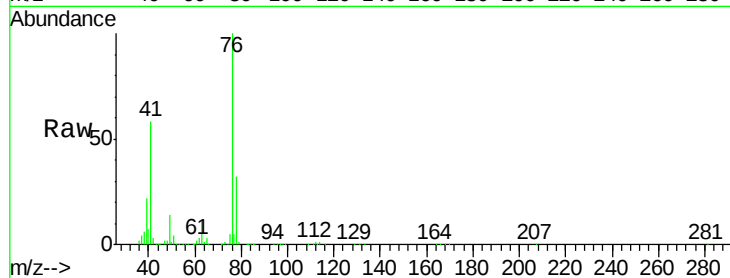
#57
 1,3-Dichloropropane
 Concen: 102.836 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.0	39.0

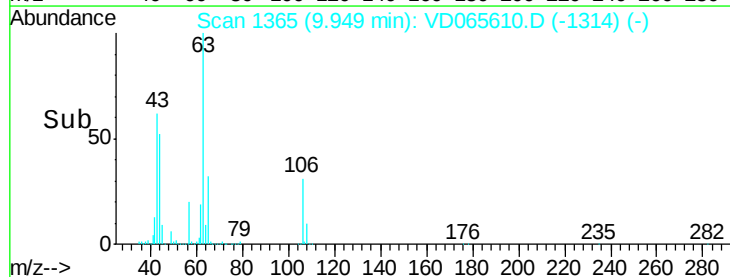
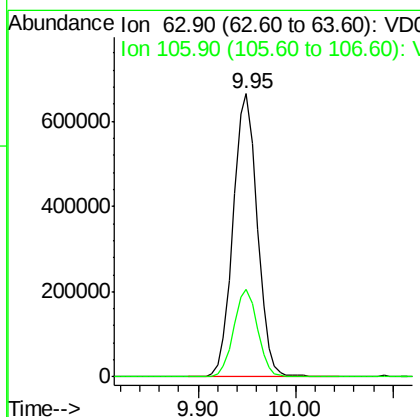
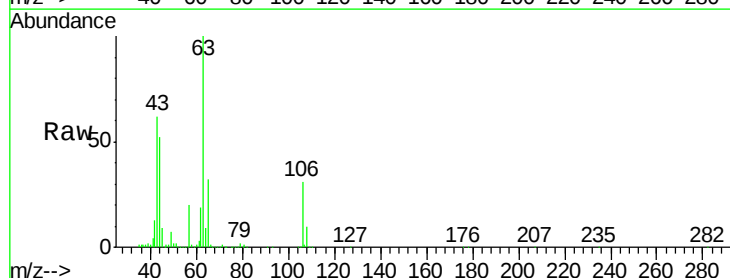
Manual Integrations
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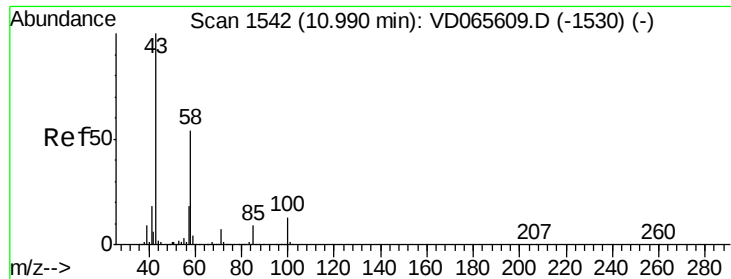
MMDadoda
 4/10/2020 2:58:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 581.511 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.6	24.2	36.2





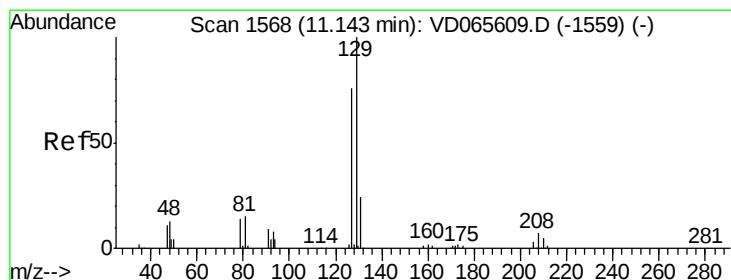
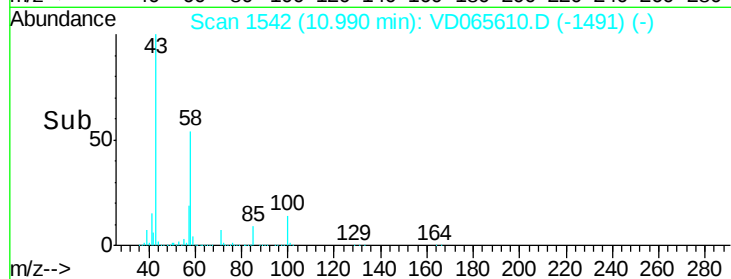
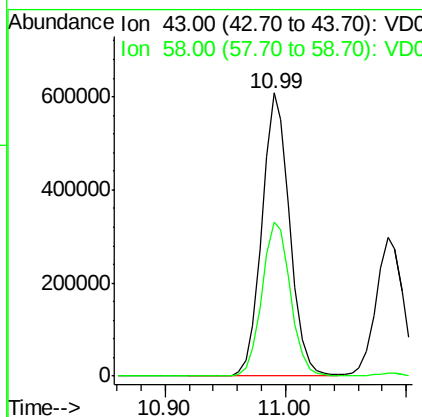
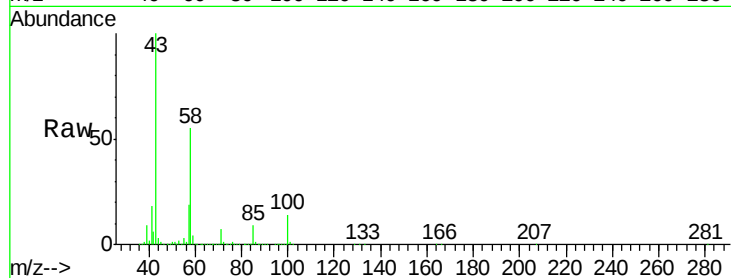
#59
2-Hexanone
Concen: 589.024 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 970129
Ion Ratio Lower Upper
43 100
58 56.1 27.1 81.3

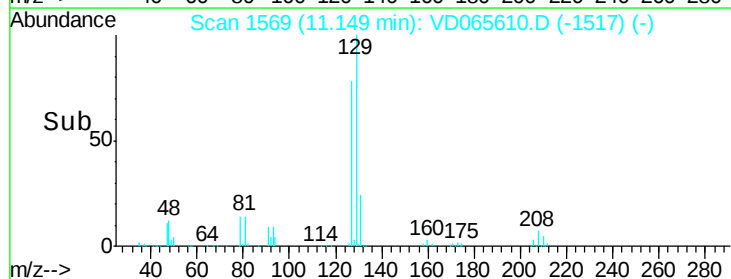
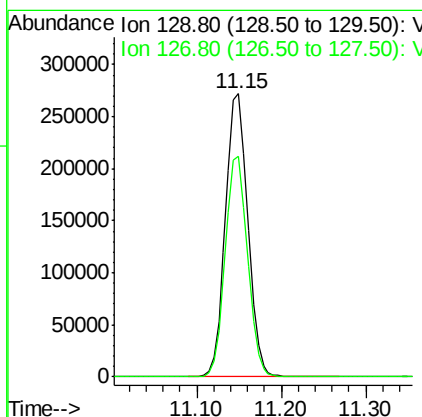
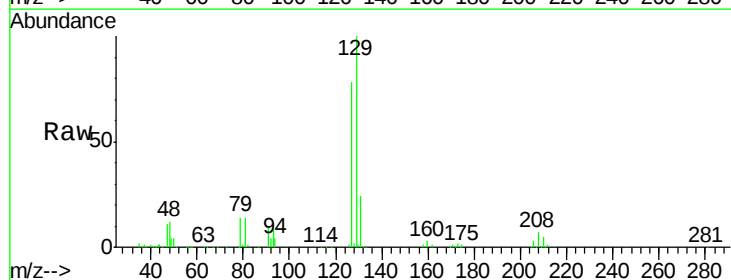
Manual Integrations
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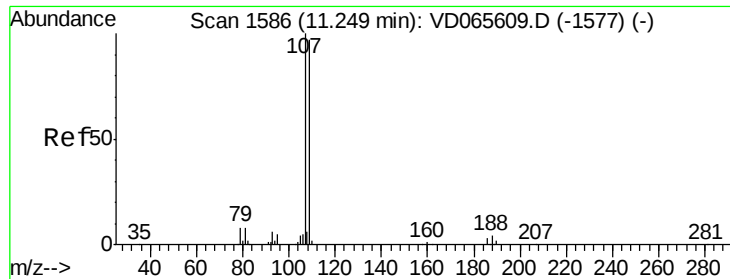
MMDadoda
4/10/2020 2:58:50 PM



#60
Dibromochloromethane
Concen: 100.666 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion:129 Resp: 499455
Ion Ratio Lower Upper
129 100
127 77.7 38.1 114.3





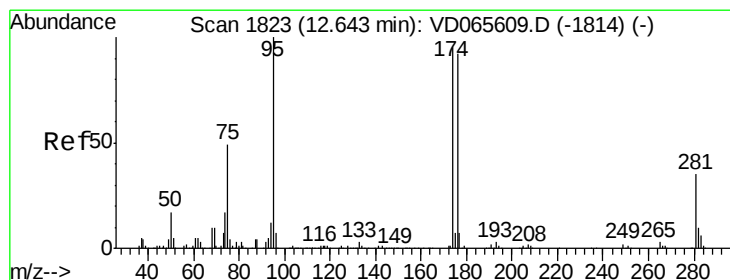
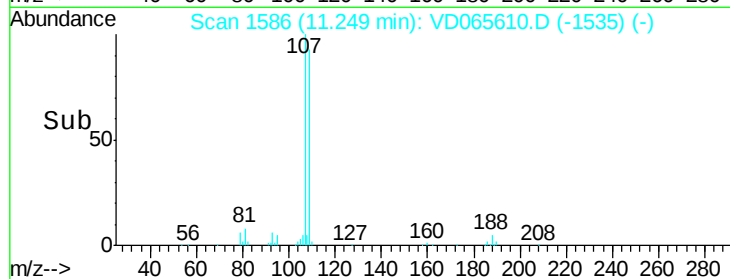
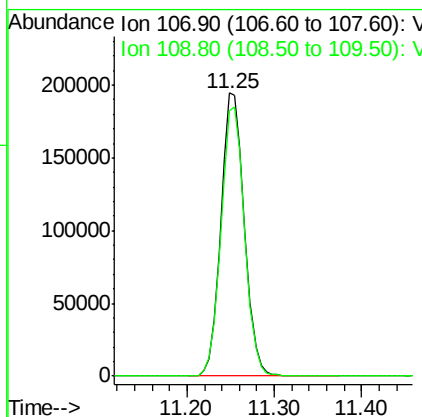
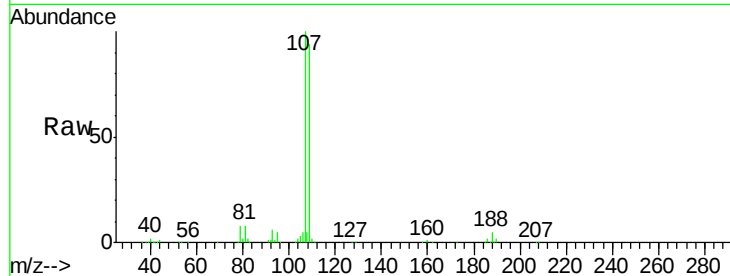
#61
 1,2-Dibromoethane
 Concen: 101.478 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	74.9	112.3

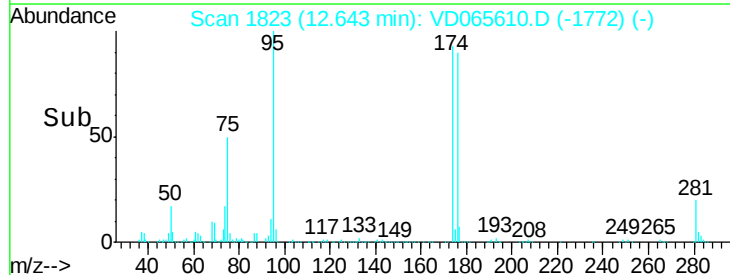
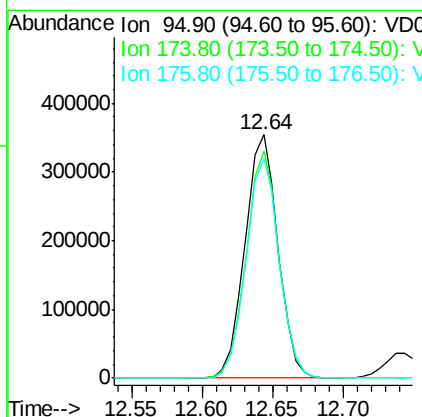
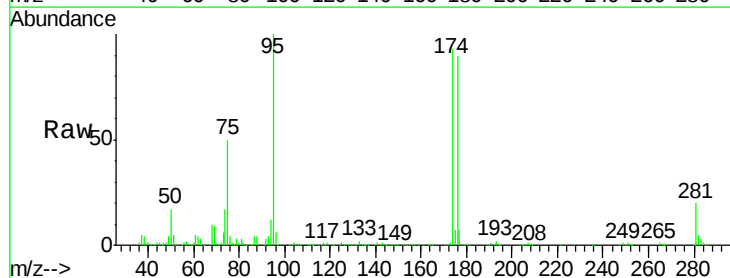
Manual Integrations
 APPROVED

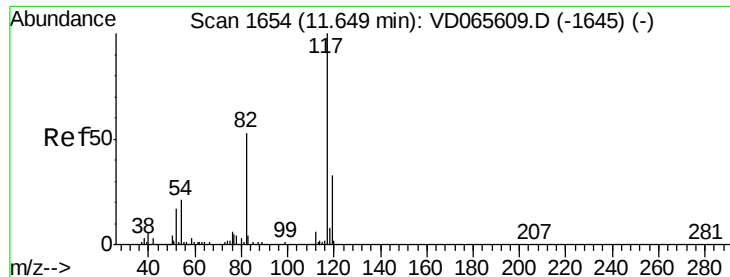
MMDadoda
 4/10/2020 2:58:50 PM



#62
 4-Bromofluorobenzene
 Concen: 102.532 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.8	0.0	182.8
176	90.3	0.0	176.6





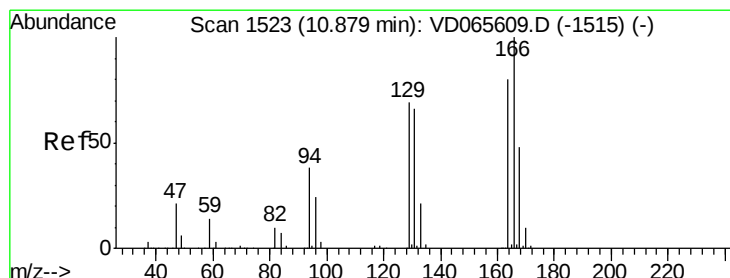
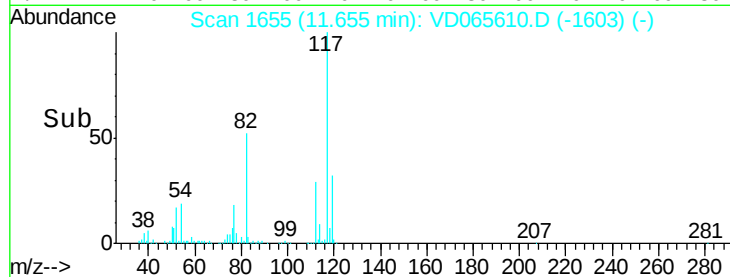
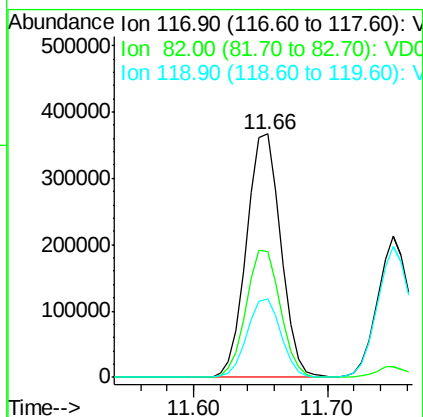
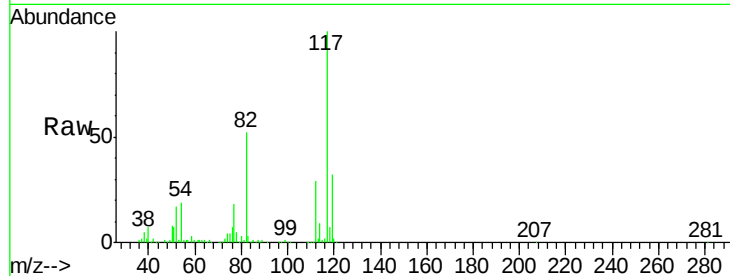
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.66 min Scan# 1655
Delta R.T. 0.01 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	650393		
82	51.7		42.6	64.0
119	32.1		26.7	40.1

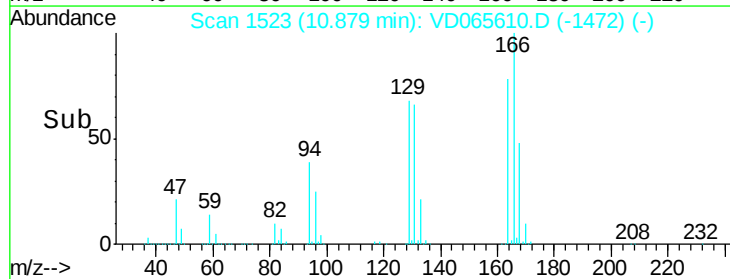
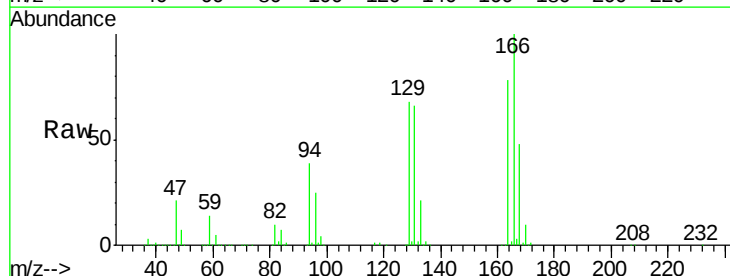
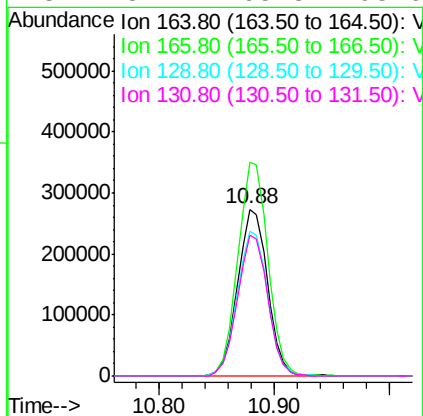
Manual Integrations
APPROVED

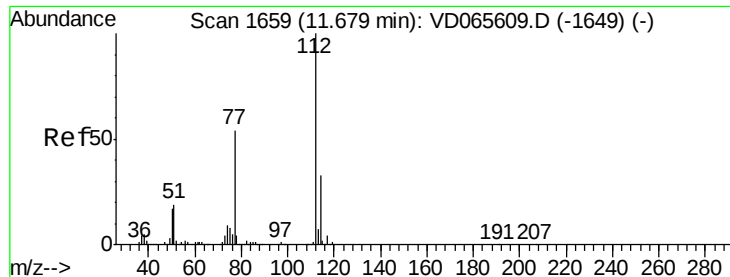
MMDadoda
4/10/2020 2:58:50 PM



#64
Tetrachloroethene
Concen: 95.134 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	492155		
166	127.9		100.2	150.2
129	86.4		69.5	104.3
131	84.7		65.8	98.6





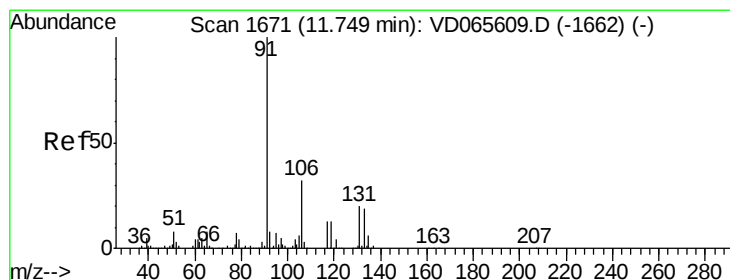
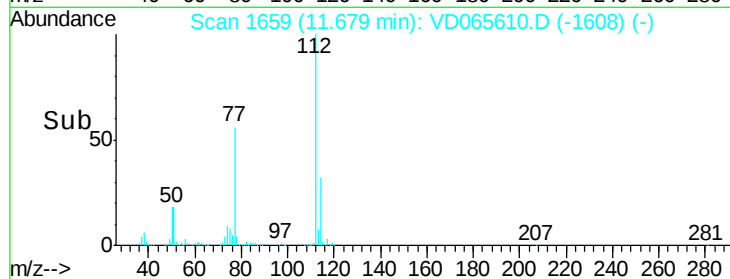
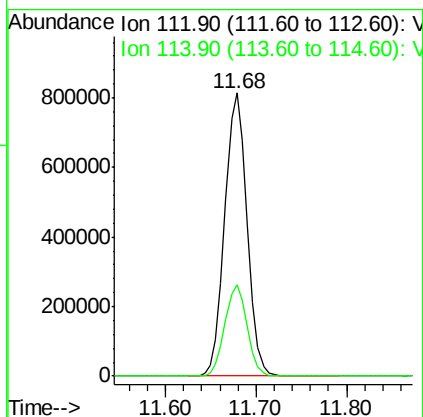
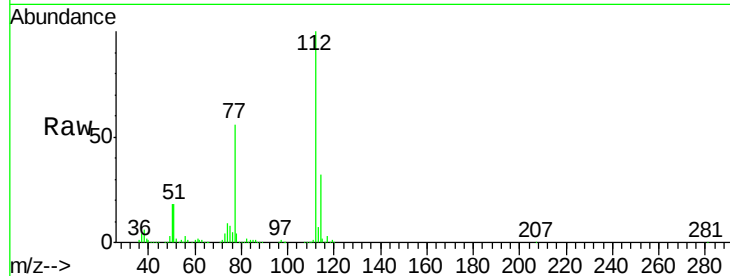
#65
Chlorobenzene
Concen: 98.497 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1387386
Ion Ratio Lower Upper
112 100
114 32.2 26.2 39.2

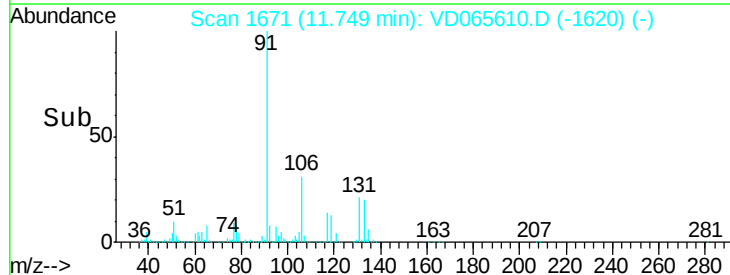
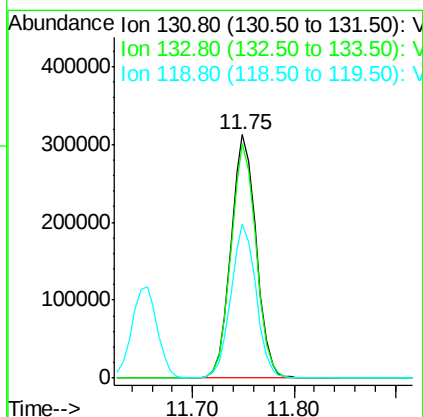
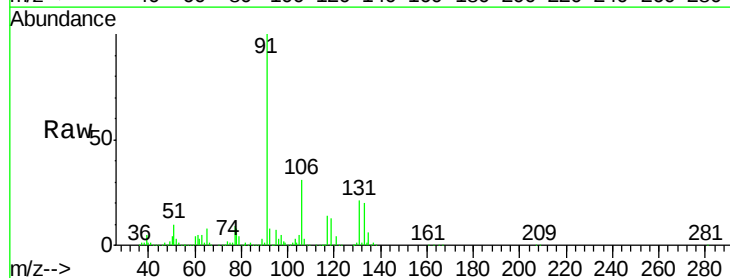
Manual Integrations
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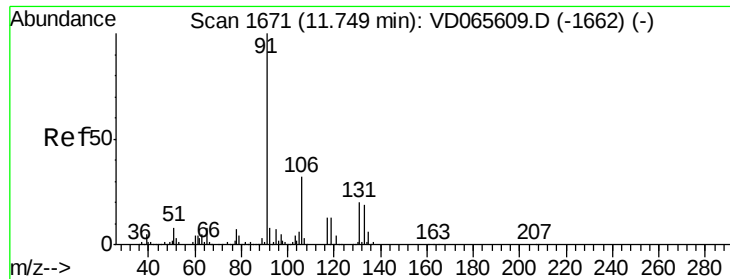
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#66
1,1,1,2-Tetrachloroethane
Concen: 100.206 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion:131 Resp: 537689
Ion Ratio Lower Upper
131 100
133 95.7 47.3 142.0
119 63.1 31.9 95.9





#67

Ethyl Benzene

Concen: 107.011 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2489018

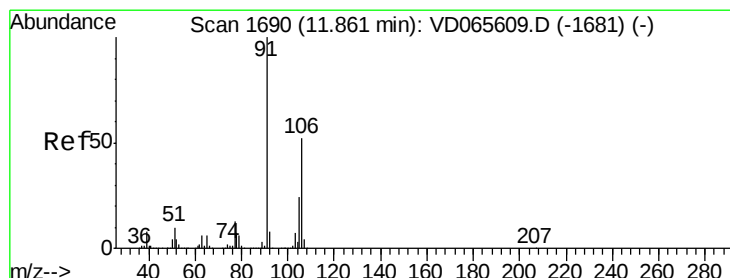
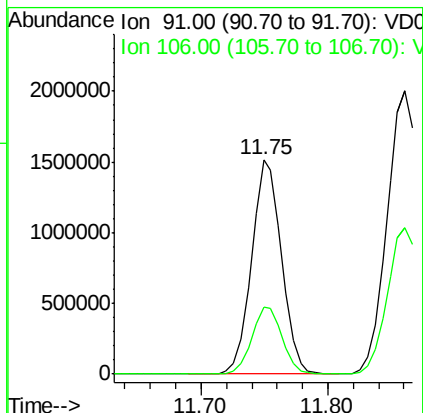
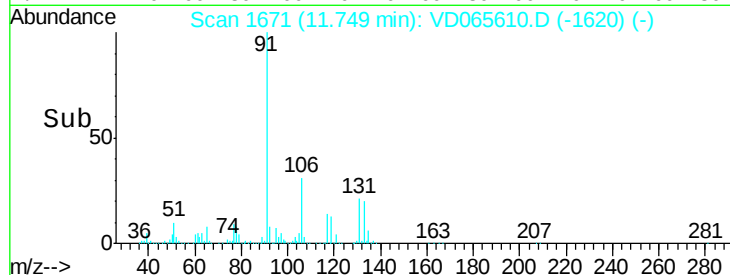
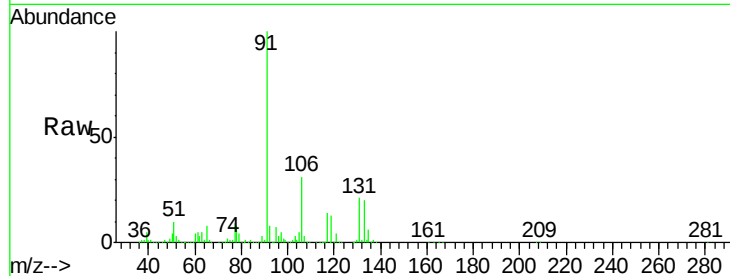
Ion Ratio Lower Upper

91 100

106 31.4 25.6 38.4

Manual Integrations
APPROVED

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#68

m/p-Xylenes

Concen: 212.270 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065610.D

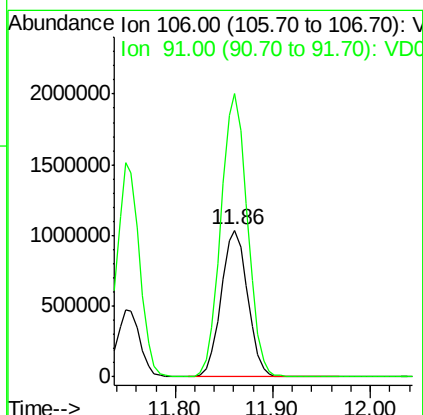
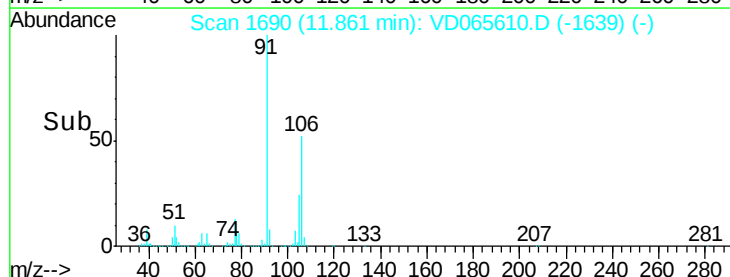
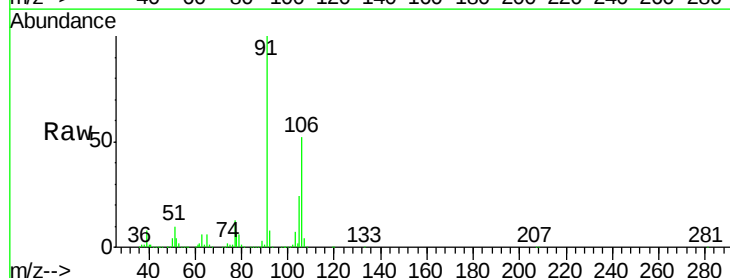
Acq: 09 Apr 2020 12:31

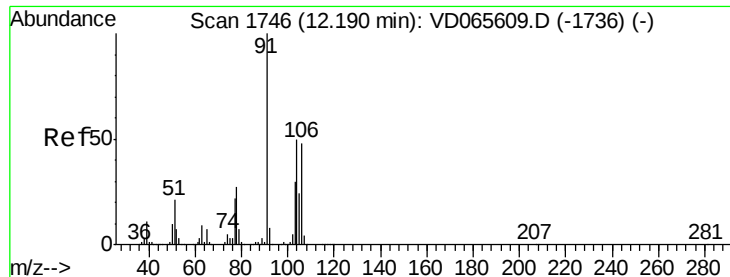
Tgt Ion: 106 Resp: 1947886

Ion Ratio Lower Upper

106 100

91 193.4 155.0 232.4





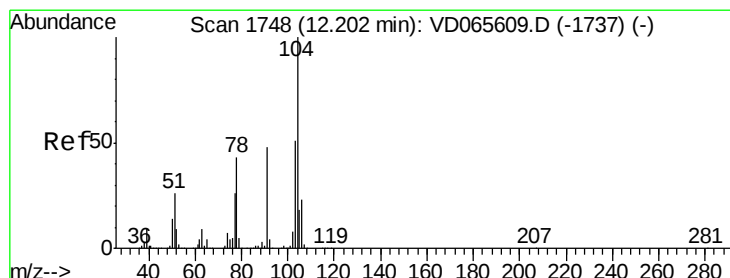
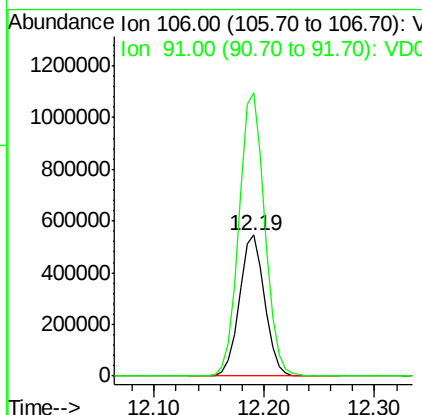
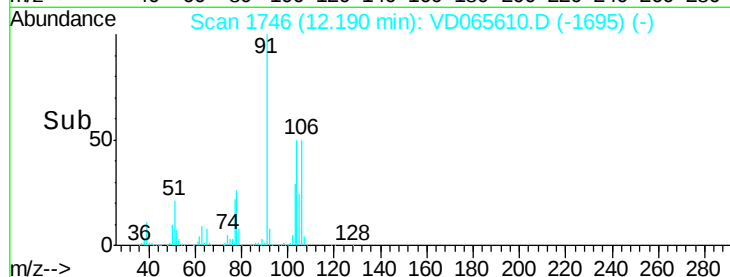
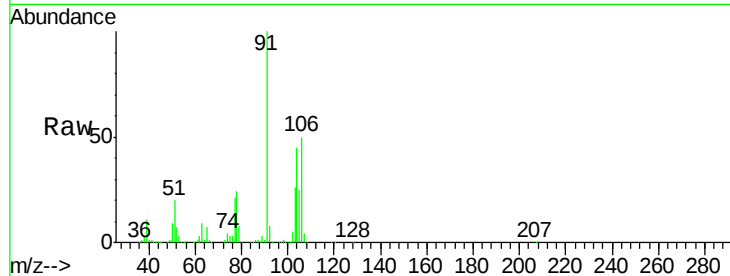
#69
o-Xylene
Concen: 110.892 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.3	103.8	311.3	

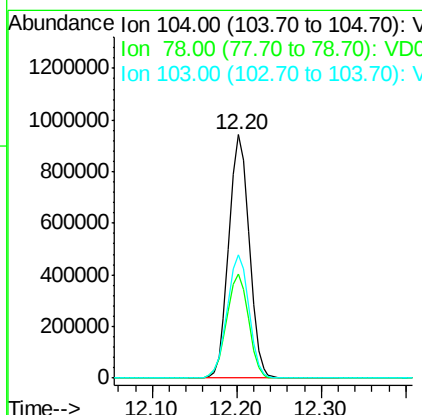
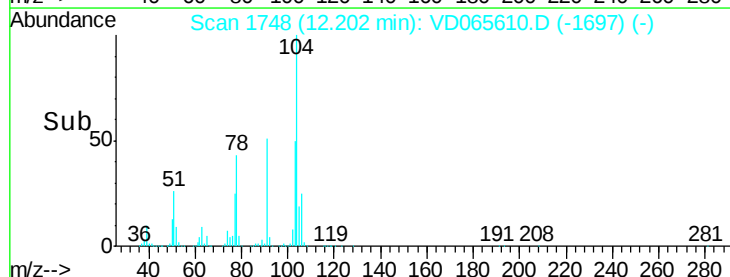
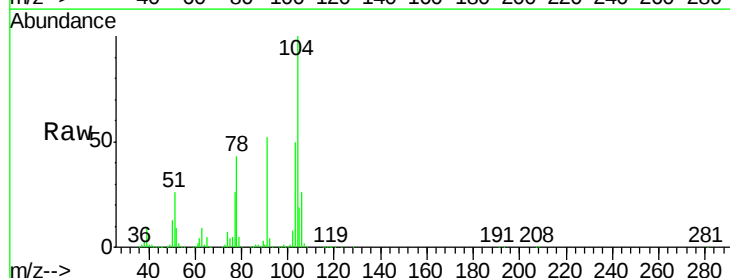
Manual Integrations
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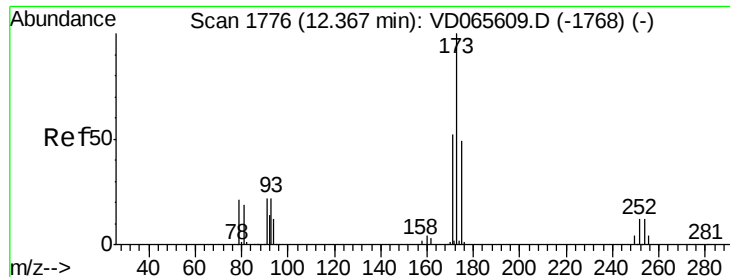
MMDadoda
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#70
Styrene
Concen: 111.893 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.1	37.1	55.7	
103	54.2	43.2	64.8	





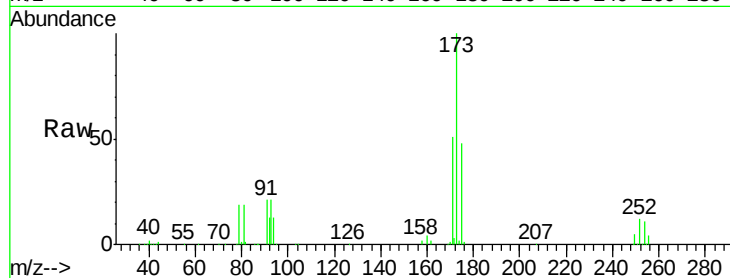
#71
Bromoform
Concen: 100.296 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

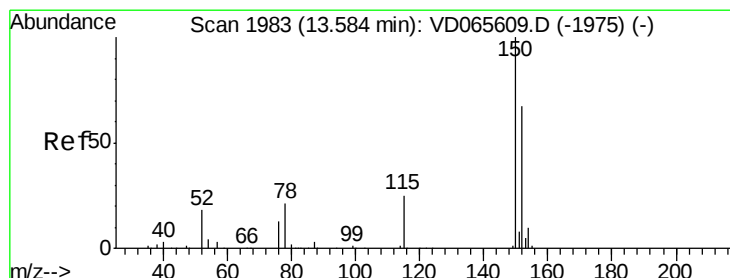
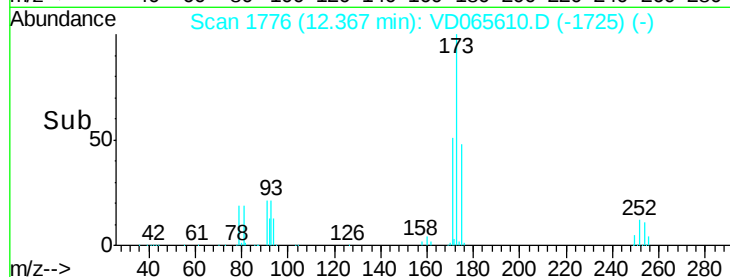
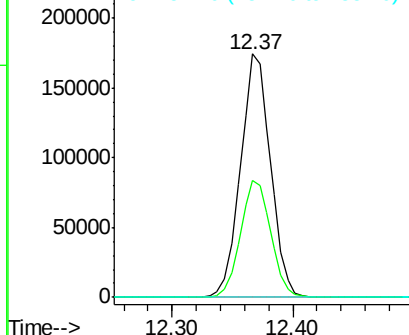
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.1	0.0	0.0

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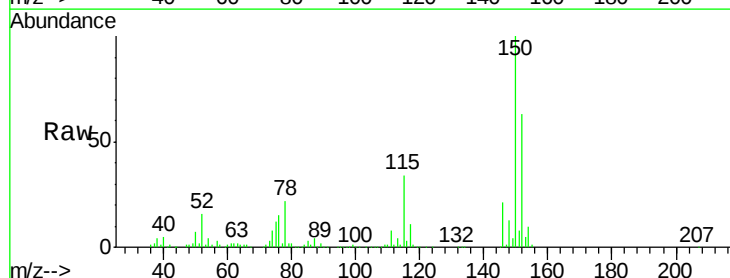


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

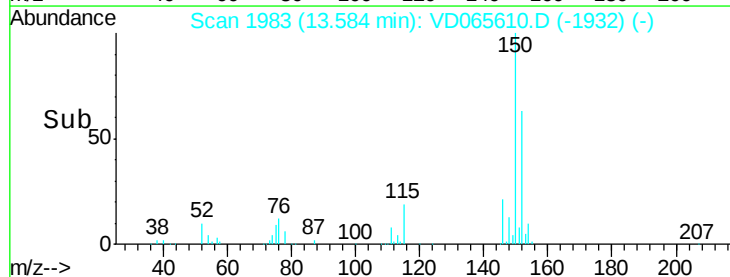
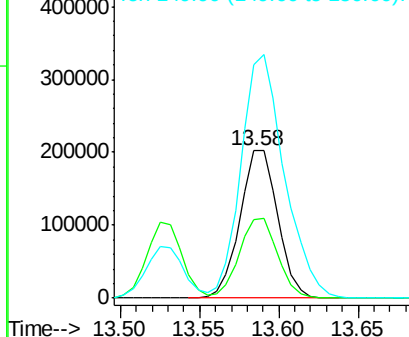


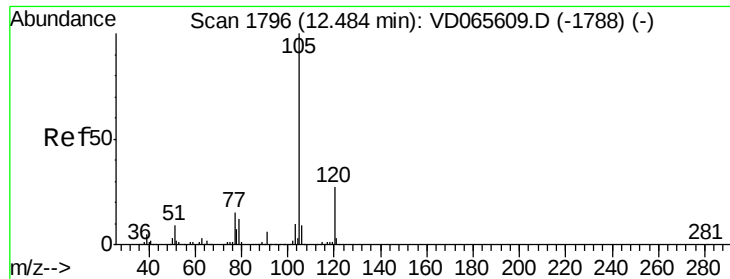
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.1	81.2
150	188.9	0.0	348.2



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





#73

Isopropylbenzene

Concen: 109.657 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2347242

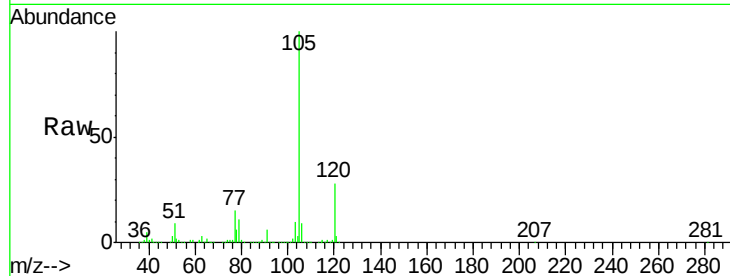
Ion Ratio Lower Upper

105 100

120 27.4 13.8 41.3

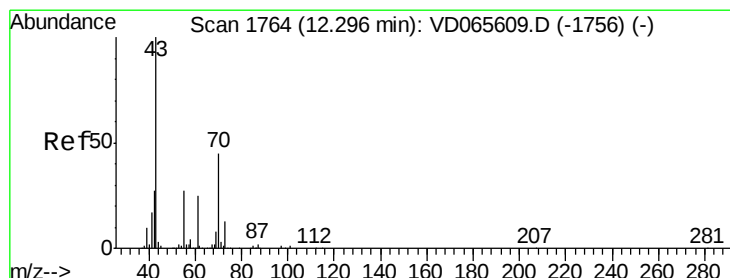
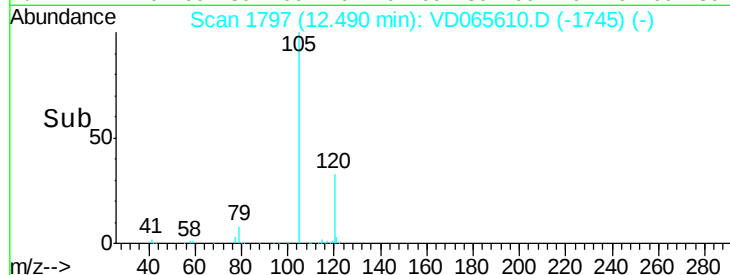
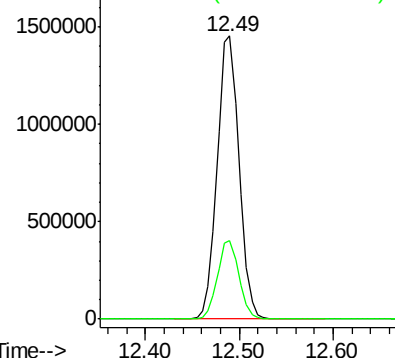
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 119.262 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Tgt Ion: 43 Resp: 505569

Ion Ratio Lower Upper

43 100

70 44.7 35.2 52.8

55 26.0 22.5 33.7

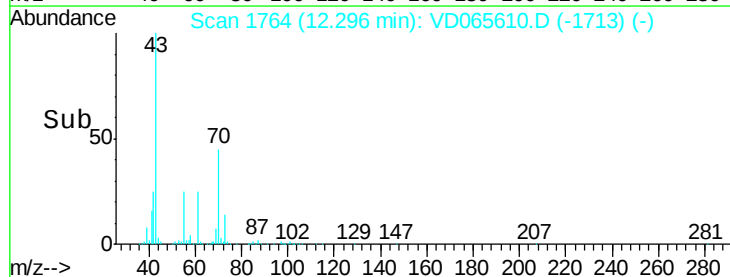
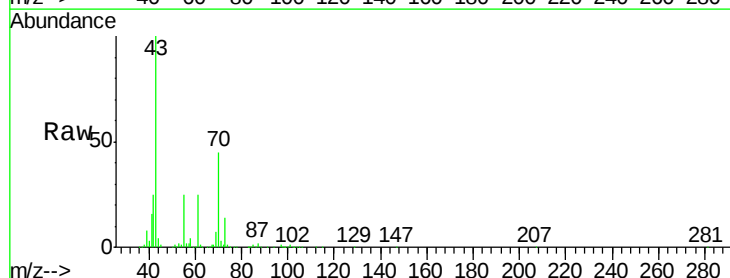
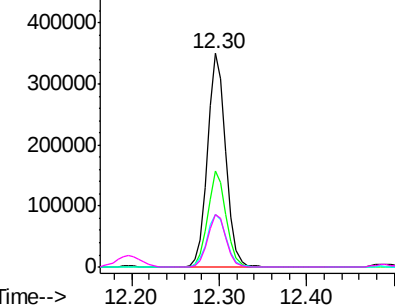
61 24.8 19.4 29.0

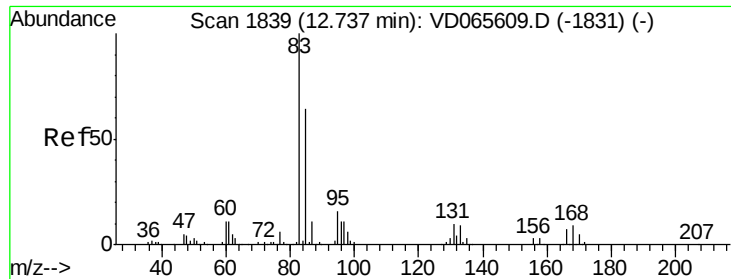
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 98.936 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

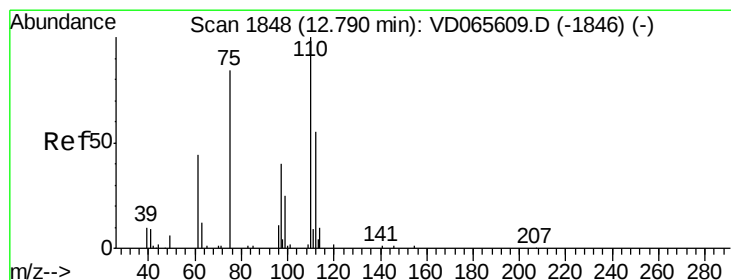
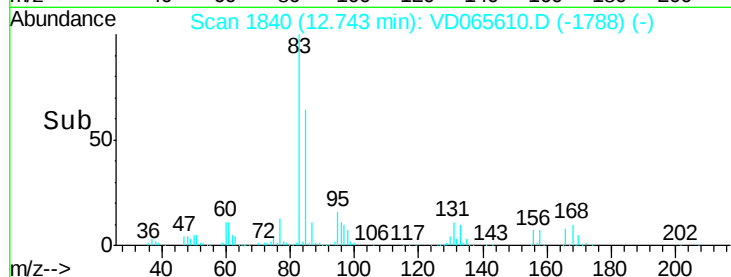
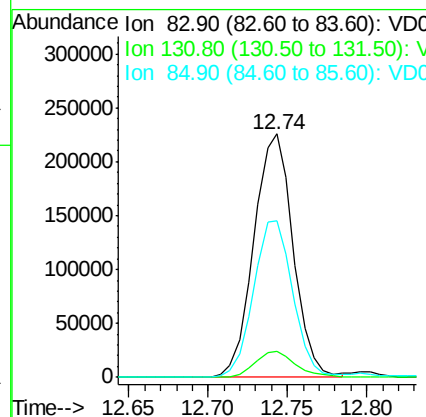
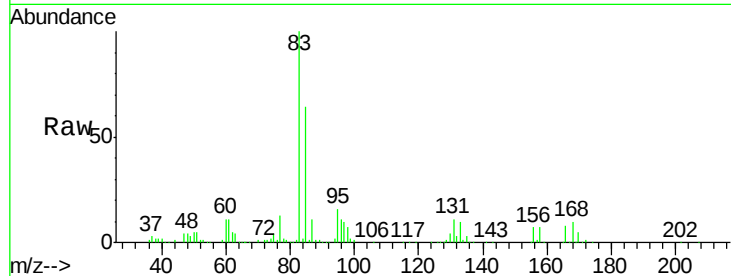
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	389293
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.7	17.0
85	64.4	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 63.394 ug/l m

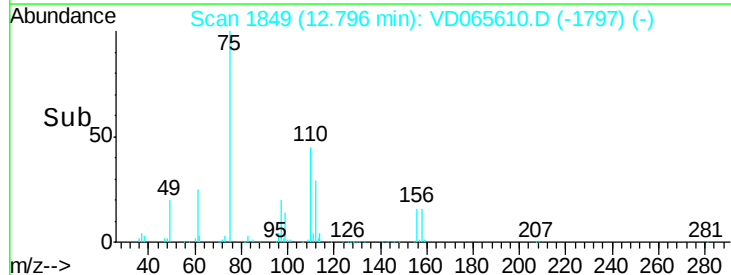
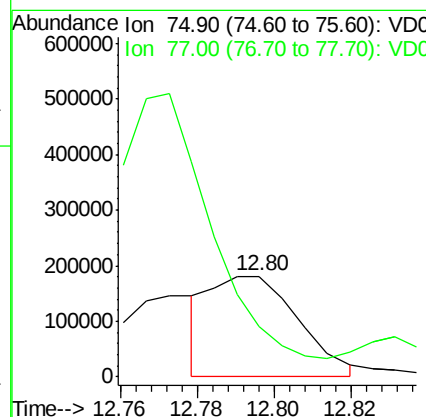
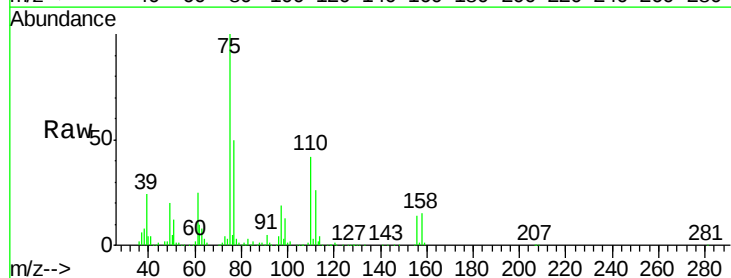
RT: 12.80 min Scan# 1849

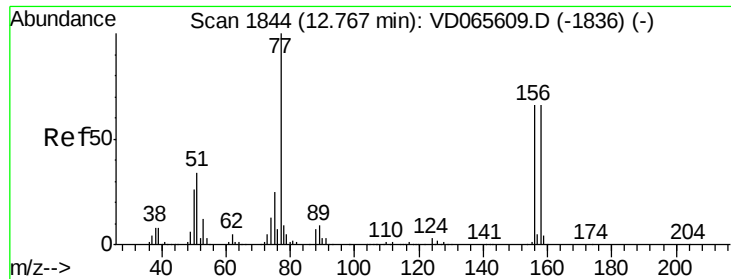
Delta R.T. 0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Tgt Ion:	75	Resp:	286139
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 100.918 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:156 Resp: 592214

Ion Ratio Lower Upper

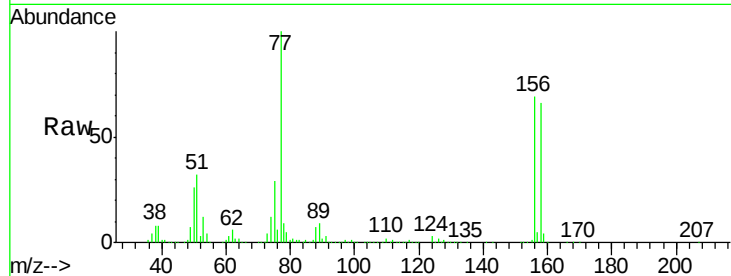
156 100

77 164.0 80.3 240.9

158 97.2 48.5 145.5

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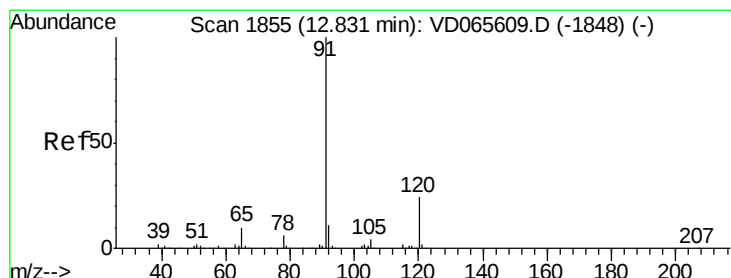
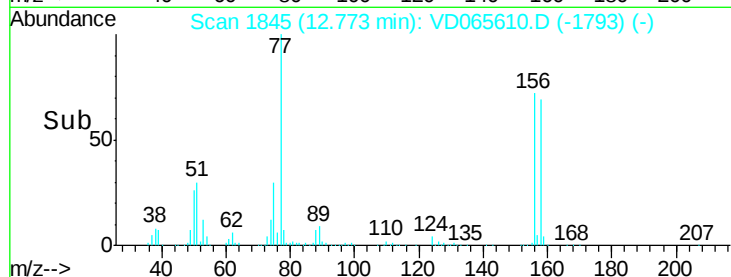
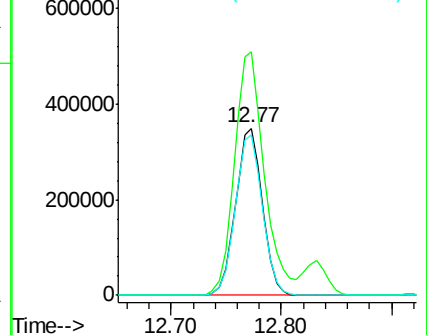
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 107.198 ug/l

RT: 12.83 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VD065610.D

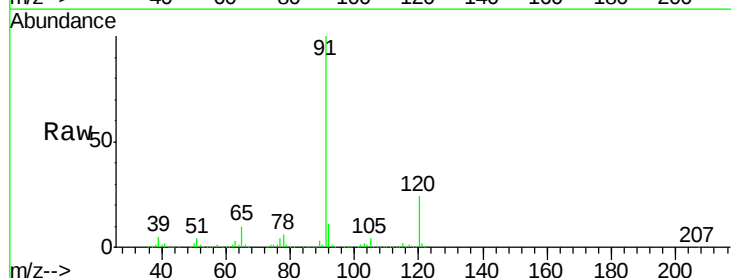
Acq: 09 Apr 2020 12:31

Tgt Ion: 91 Resp: 2769283

Ion Ratio Lower Upper

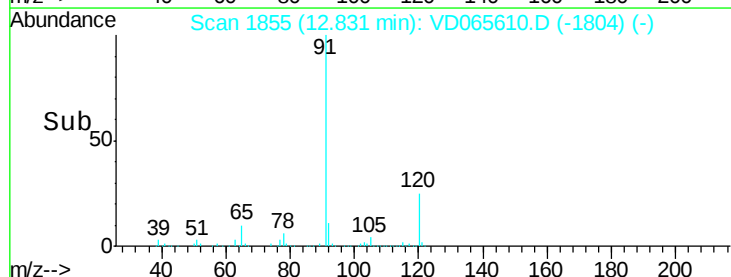
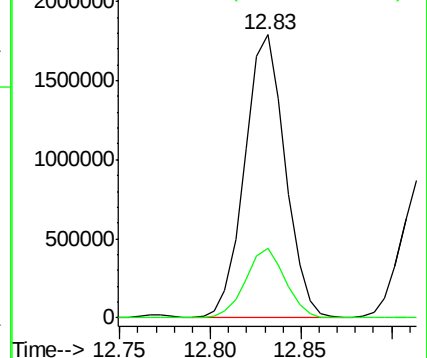
91 100

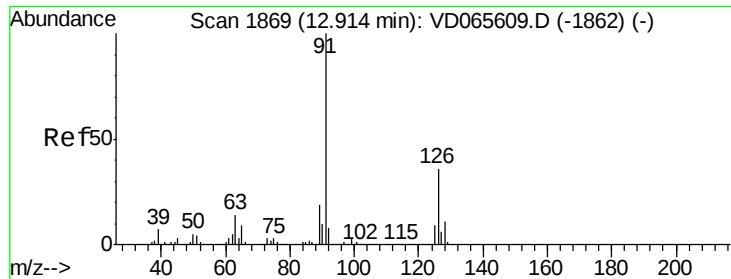
120 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





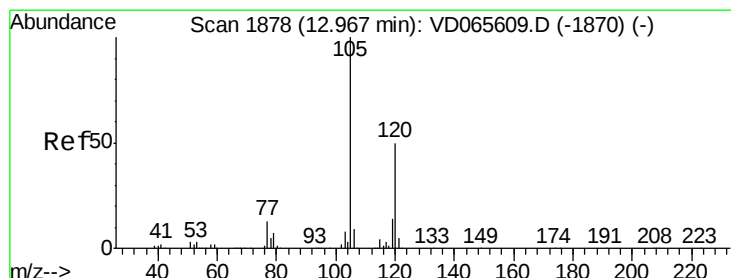
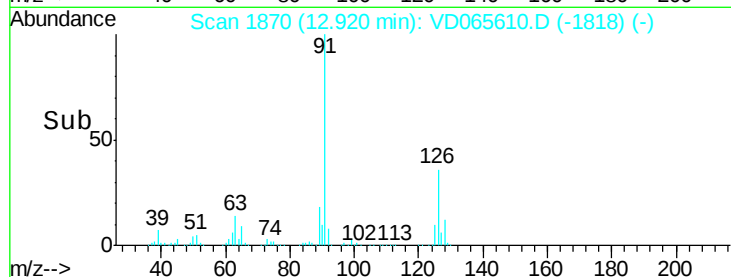
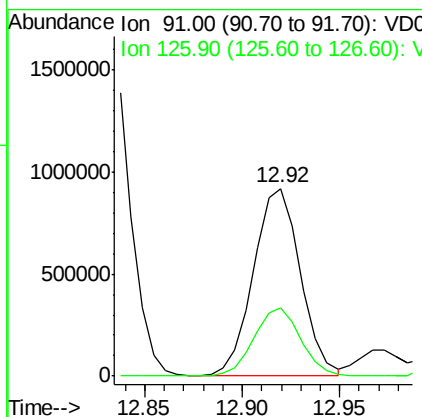
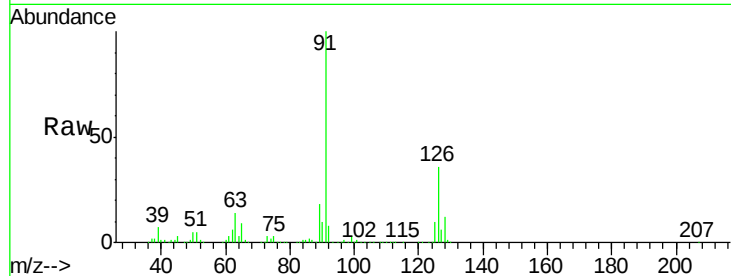
#79
 2-Chlorotoluene
 Concen: 103.390 ug/l
 RT: 12.92 min Scan# 1870
 Delta R.T. 0.01 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 1530729
 Ion Ratio Lower Upper
 91 100
 126 36.1 18.0 54.0

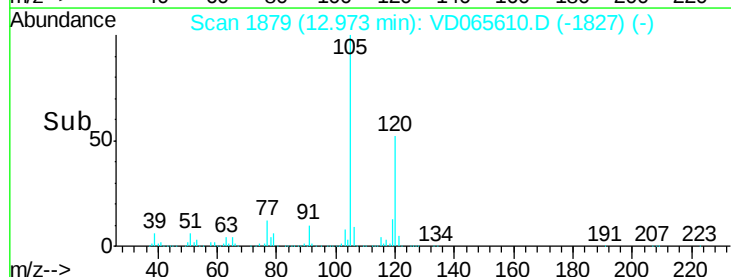
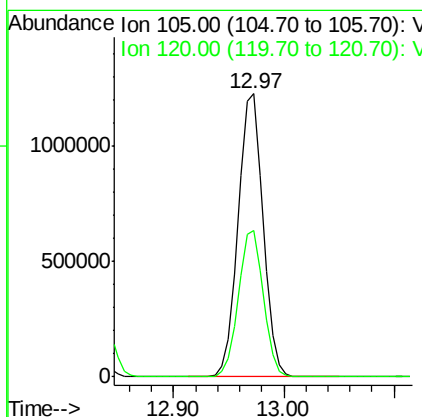
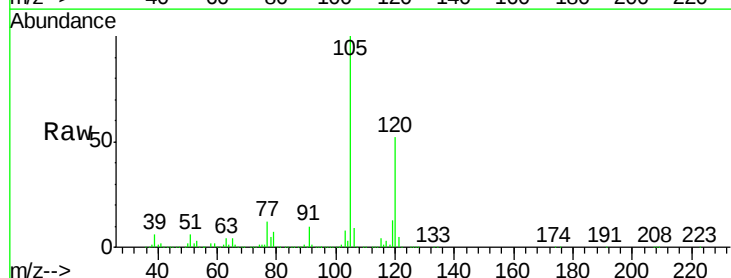
Manual Integrations
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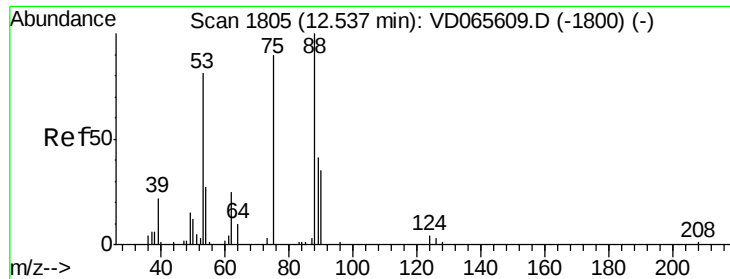
MMDadoda
 4/10/2020 2:58:50 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 108.555 ug/l
 RT: 12.97 min Scan# 1879
 Delta R.T. 0.01 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion: 105 Resp: 1958444
 Ion Ratio Lower Upper
 105 100
 120 51.7 25.7 77.0





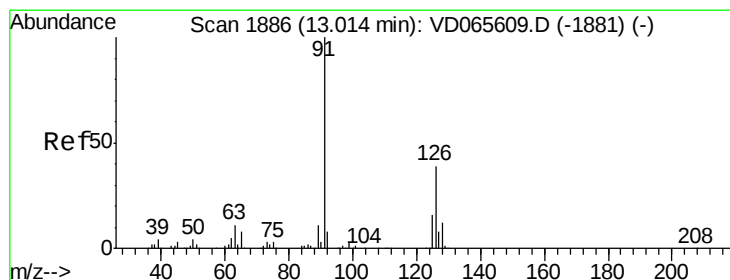
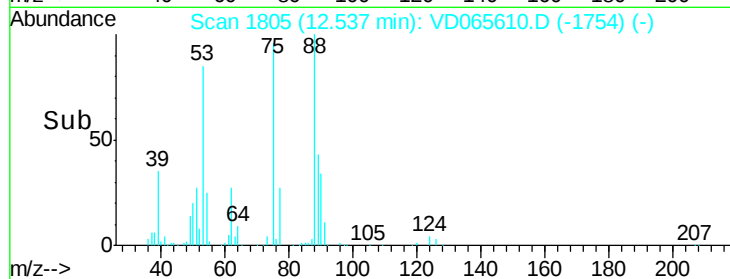
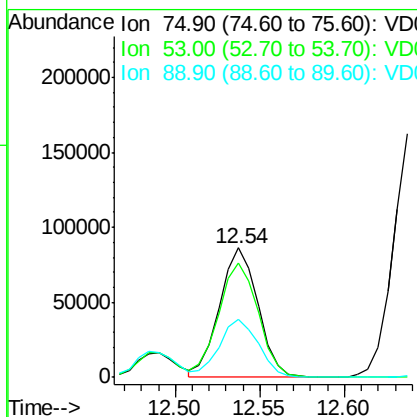
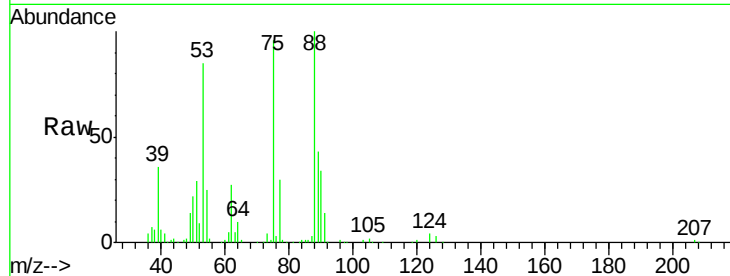
#81
trans-1,4-Dichloro-2-butene
Concen: 116.701 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.8	73.8	110.8
89	46.3	36.1	54.1

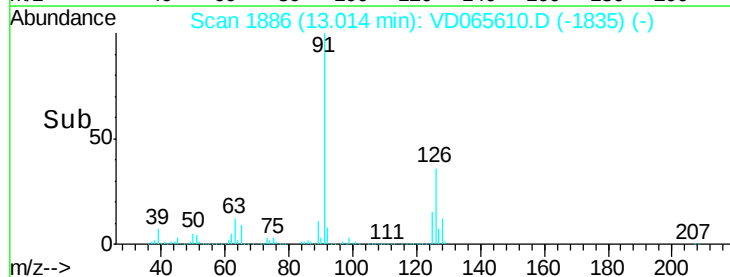
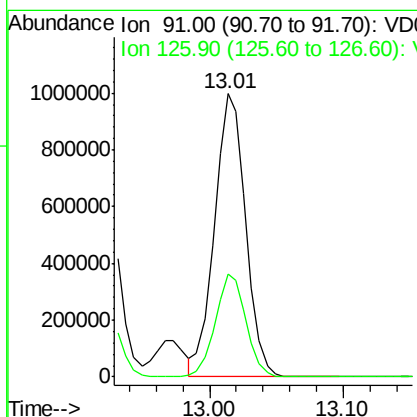
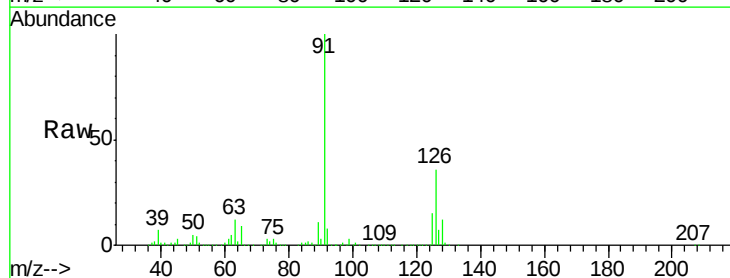
Manual Integrations
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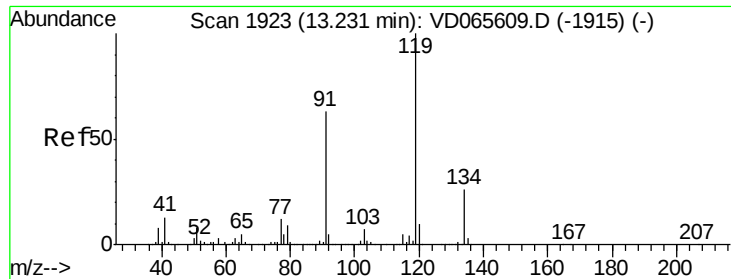
MMDadoda
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#82
4-Chlorotoluene
Concen: 101.896 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	18.1	54.4





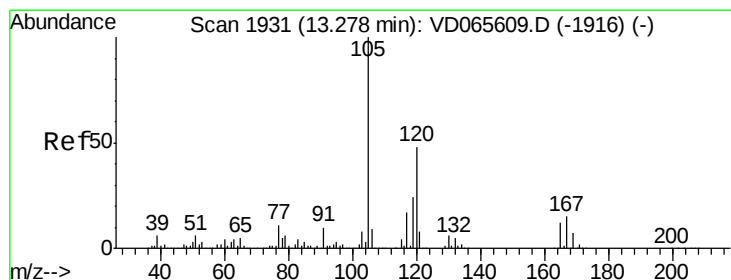
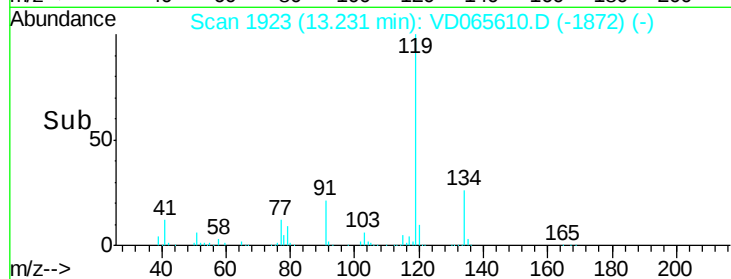
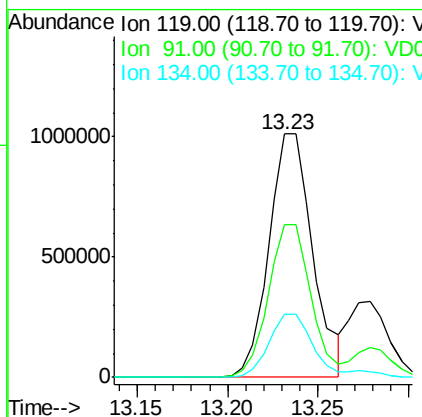
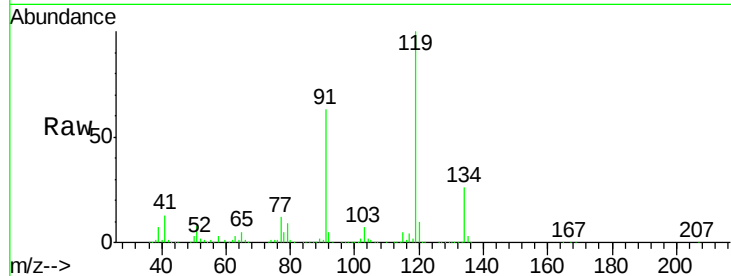
#83
 tert-Butylbenzene
 Concen: 113.030 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.4	91.2
134	27.5	13.7	41.0

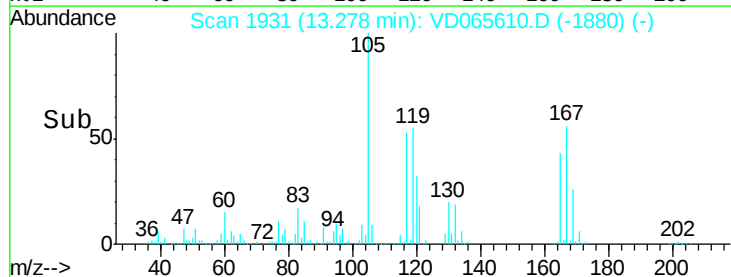
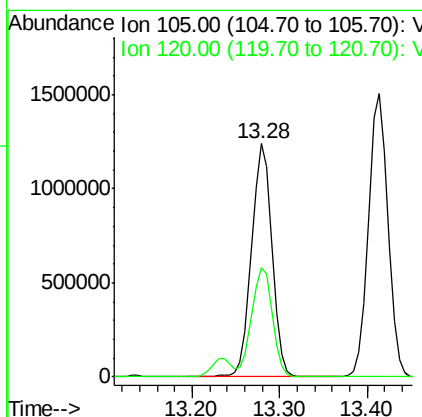
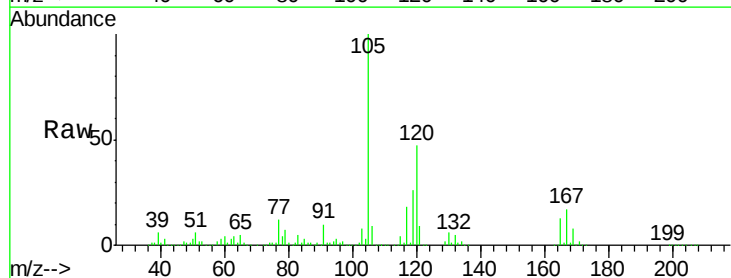
Manual Integrations
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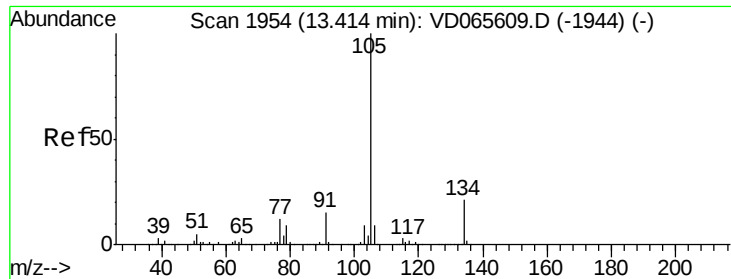
MMDadoda
 4/10/2020 2:58:50 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 109.175 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.5	70.6





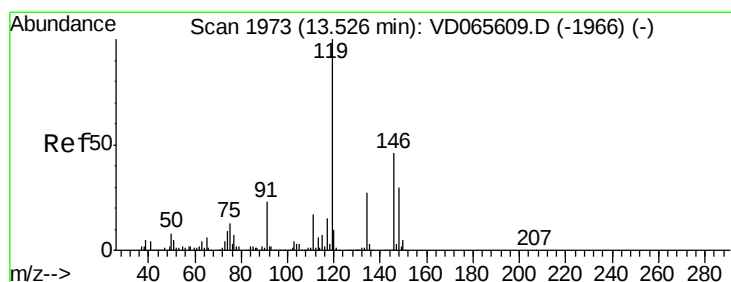
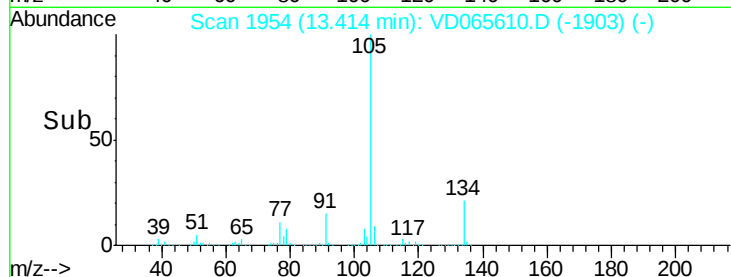
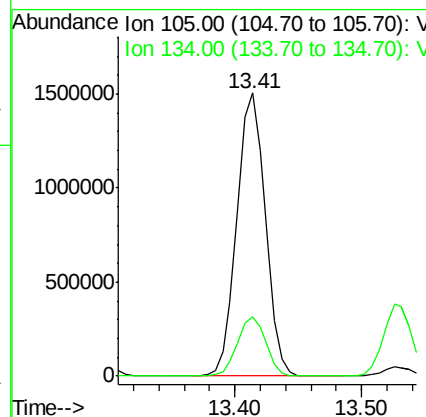
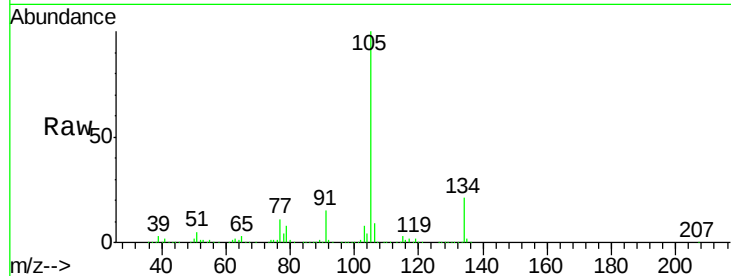
#85
 sec-Butylbenzene
 Concen: 108.612 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 2331457
 Ion Ratio Lower Upper
 105 100
 134 20.9 10.7 31.9

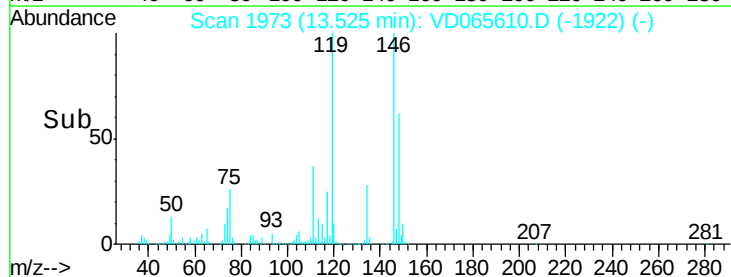
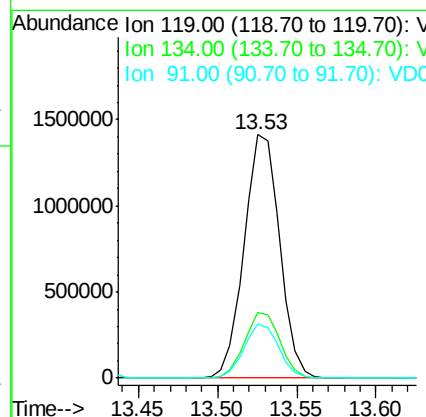
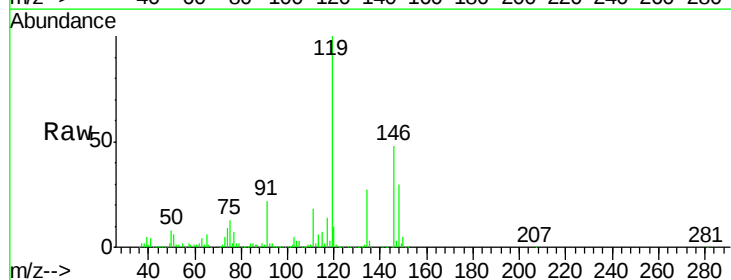
Manual Integrations
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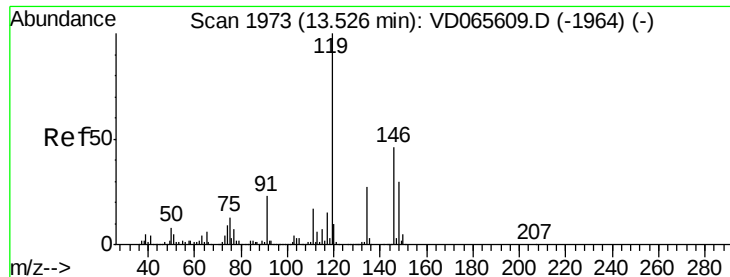
MMDadoda
 4/10/2020 2:58:50 PM



#86
 p-Isopropyltoluene
 Concen: 110.738 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion:119 Resp: 2193639
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.5 40.4
 91 21.8 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 100.035 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1132040

Ion Ratio Lower Upper

146 100

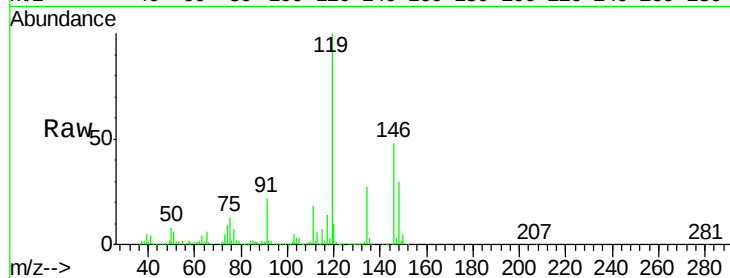
111 37.3 18.6 55.8

148 63.4 32.1 96.5

Manual Integrations
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MMDadoda

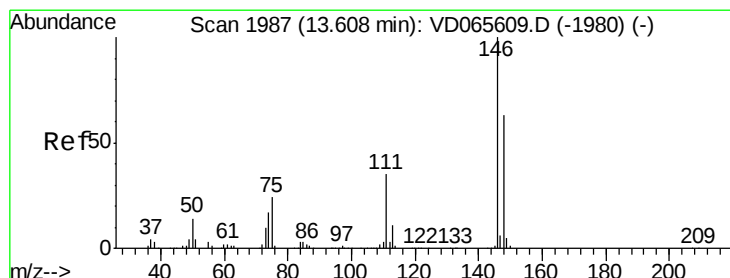
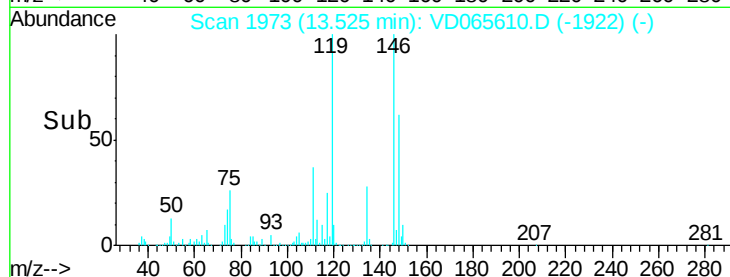
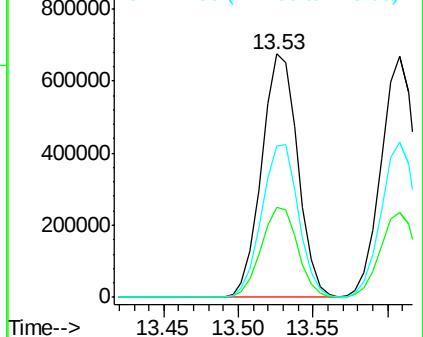
4/10/2020 2:58:50 PM



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



#88

1,4-Dichlorobenzene

Concen: 96.514 ug/l

RT: 13.61 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

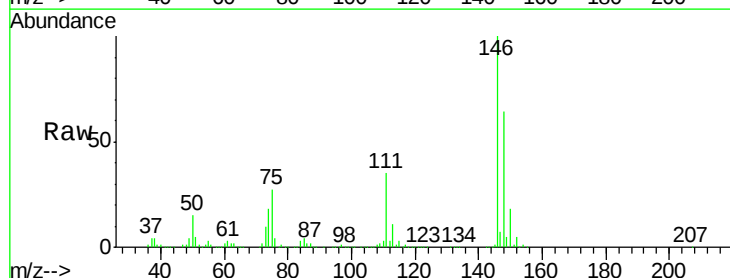
Tgt Ion:146 Resp: 1090893

Ion Ratio Lower Upper

146 100

111 35.6 18.0 54.0

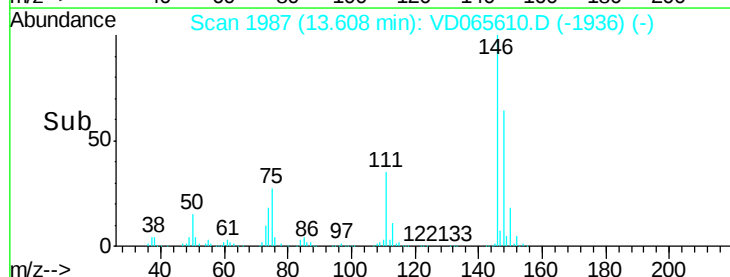
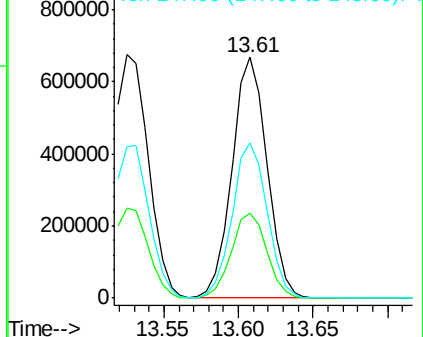
148 64.2 31.8 95.4

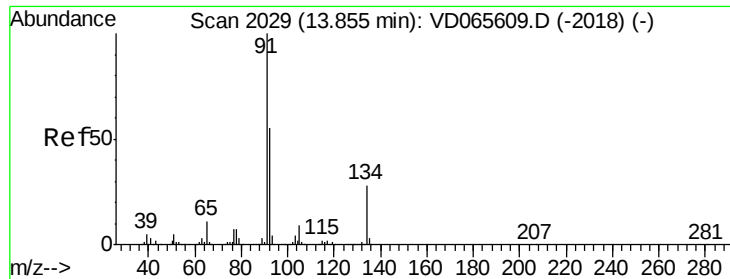


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





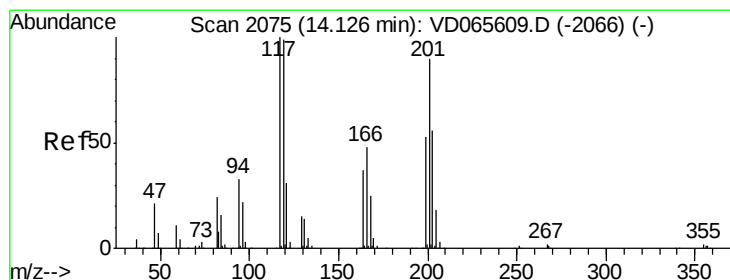
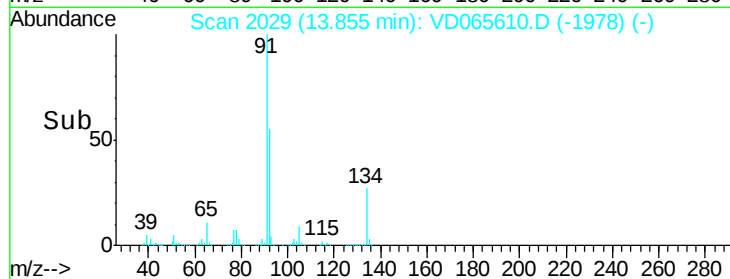
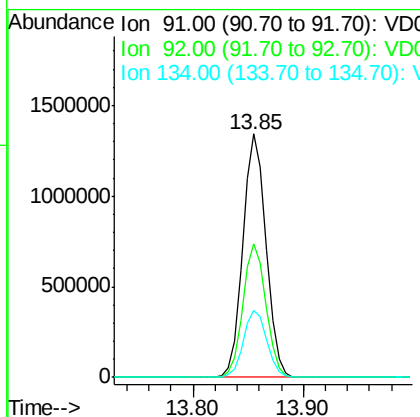
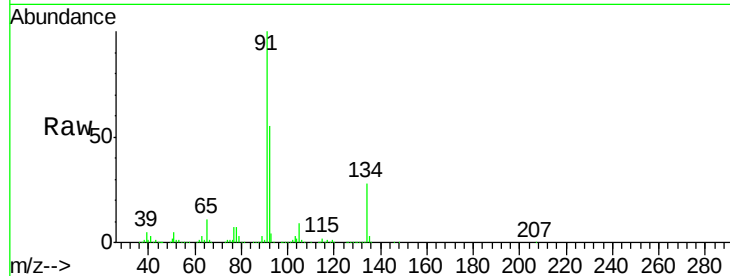
#89
n-Butylbenzene
Concen: 110.493 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.2	81.6
134	27.9	13.9	41.7

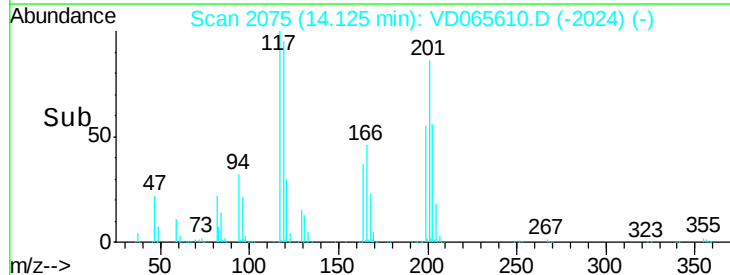
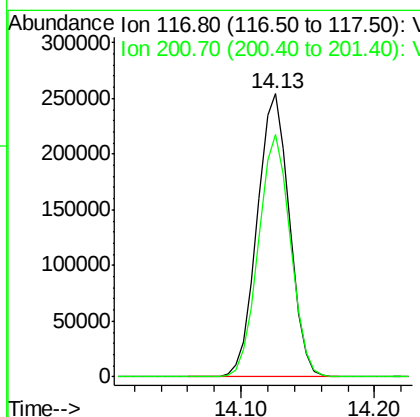
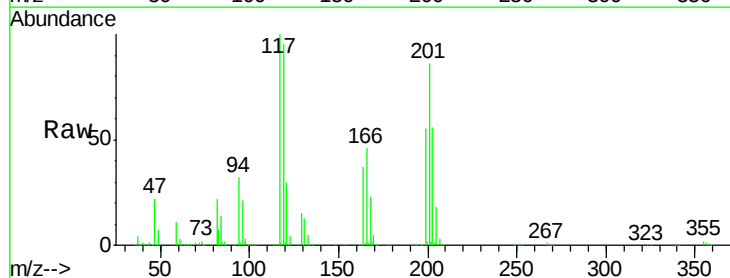
Manual Integrations
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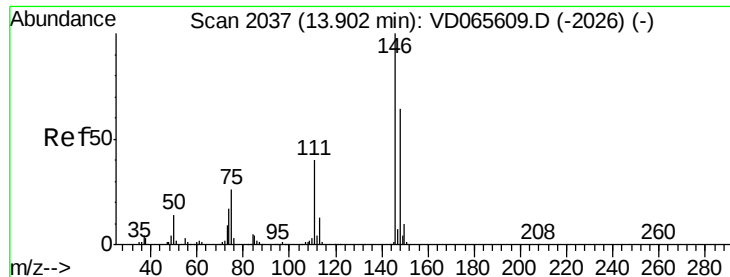
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4/10/2020 2:58:50 PM



#90
Hexachloroethane
Concen: 98.014 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. -0.00 min
Lab File: VD065610.D
Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.2	43.9	131.7





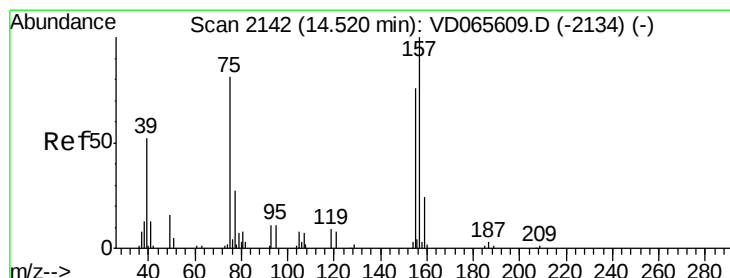
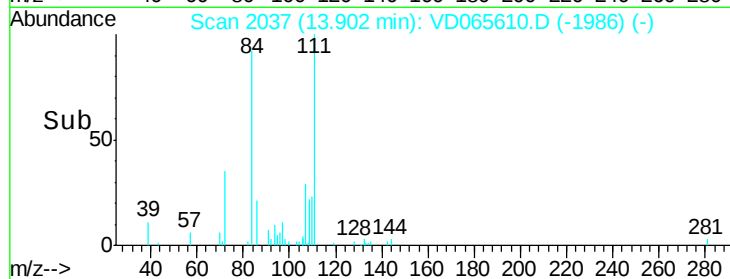
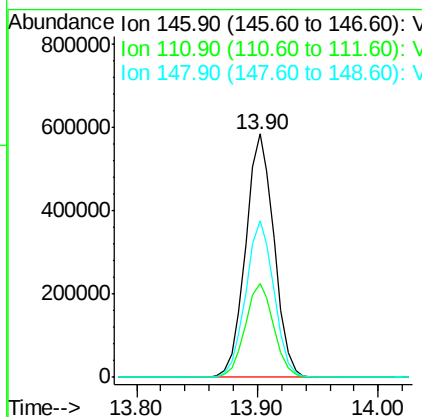
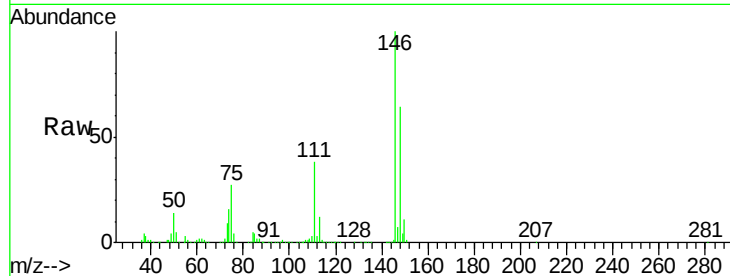
#91
 1,2-Dichlorobenzene
 Concen: 99.606 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:	146	Resp:	958944
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.1	57.5
148	64.1	31.8	95.4

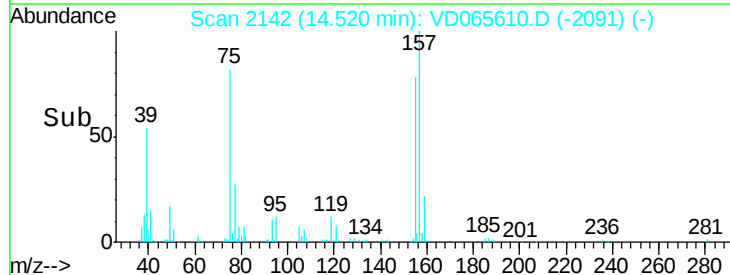
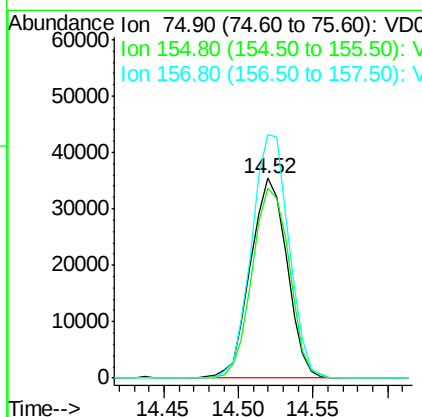
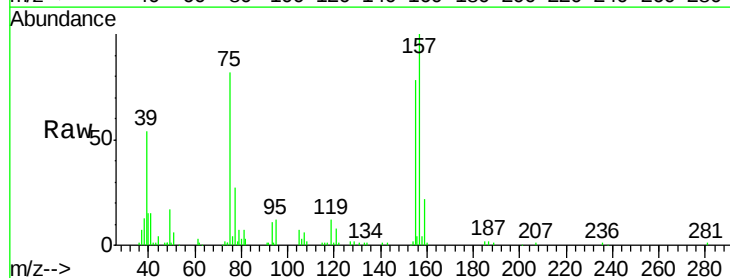
Manual Integrations
 APPROVED

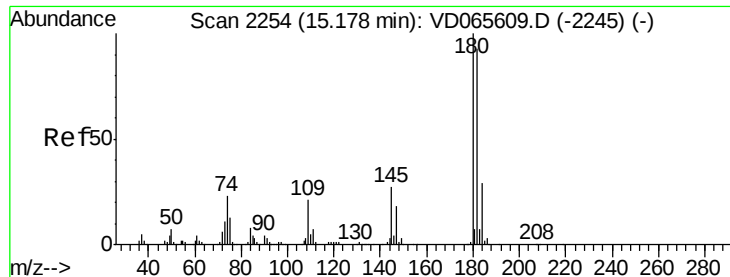
MMDadoda
 4/10/2020 2:58:50 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 98.366 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion:	75	Resp:	59703
Ion Ratio	Lower	Upper	
75	100		
155	97.0	46.8	140.4
157	124.4	59.6	178.7





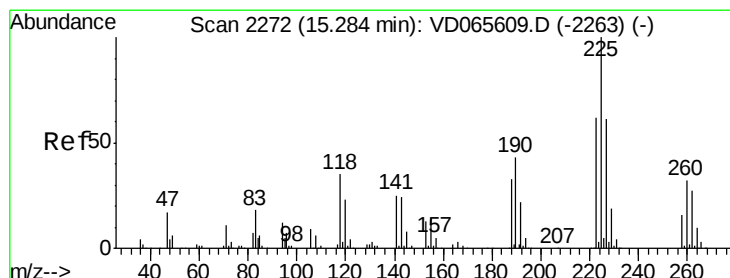
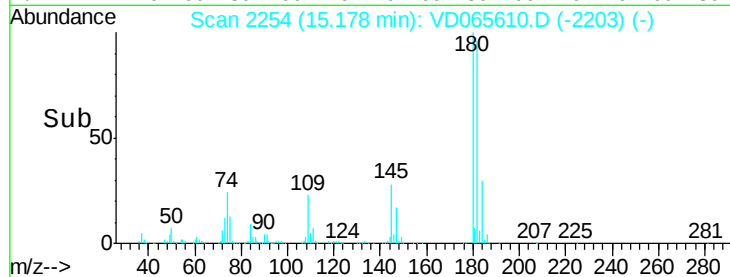
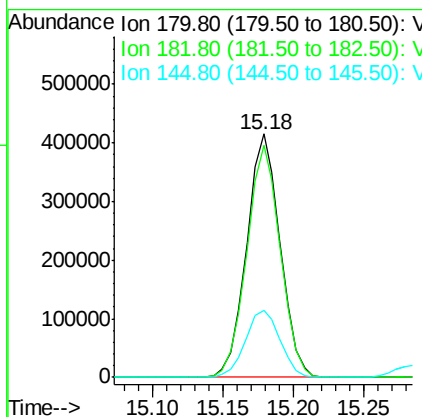
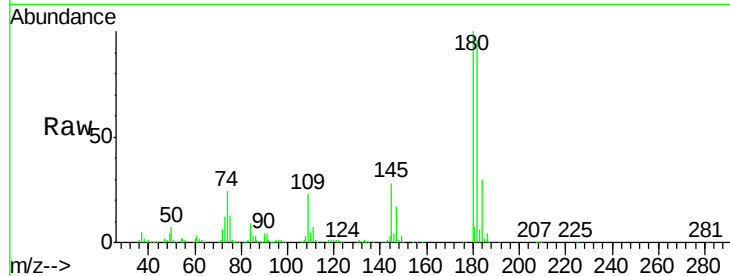
#93
 1,2,4-Trichlorobenzene
 Concen: 108.951 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	688987		
182	95.8	47.0	141.2	
145	28.7	14.0	41.9	

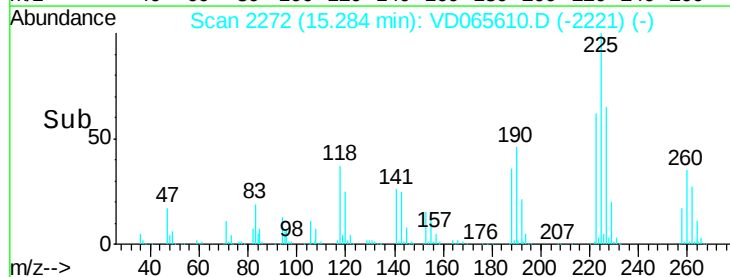
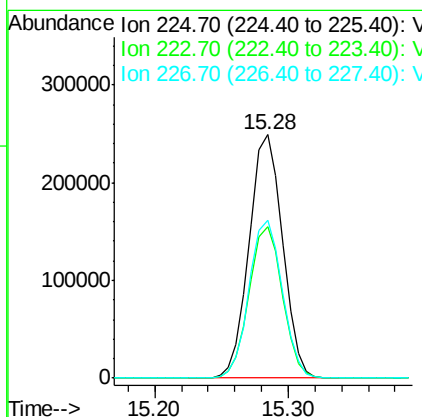
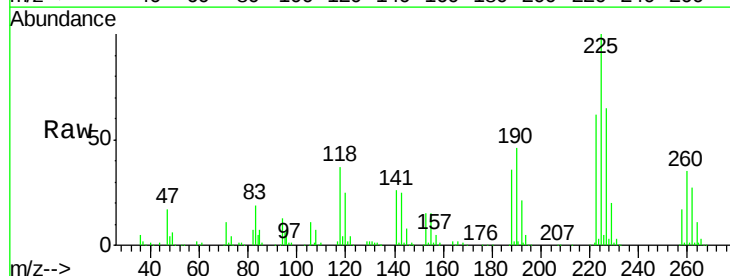
Manual Integrations
 APPROVED

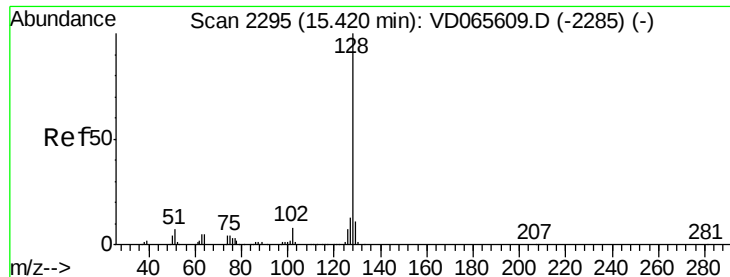
MMDadoda
 4/10/2020 2:58:50 PM



#94
 Hexachlorobutadiene
 Concen: 98.100 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VD065610.D
 Acq: 09 Apr 2020 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	431209		
223	62.0	31.6	94.7	
227	64.5	31.6	95.0	





#95

Naphthalene

Concen: 126.072 ug/l

RT: 15.42 min Scan# 2295

Delta R.T. -0.00 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:128 Resp: 1155159

Ion Ratio Lower Upper

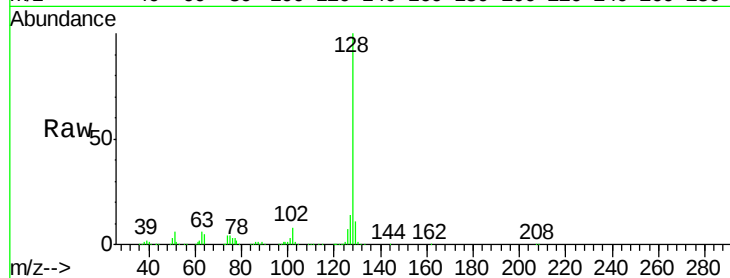
128 100

127 13.3 10.6 15.8

129 10.9 8.4 12.6

Manual Integrations
APPROVED

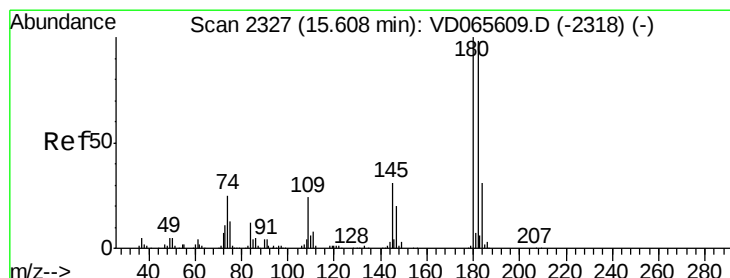
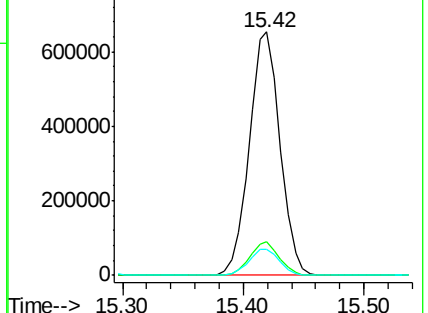
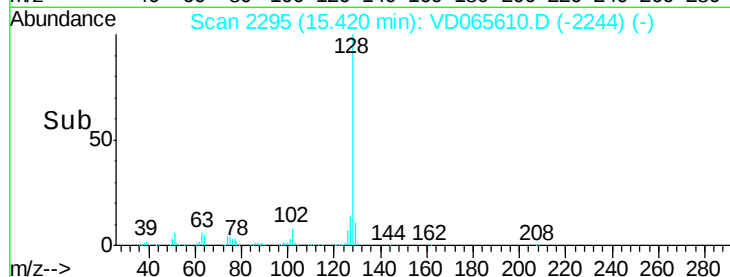
MMDadoda
4/10/2020 2:58:50 PM



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 109.664 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD065610.D

Acq: 09 Apr 2020 12:31

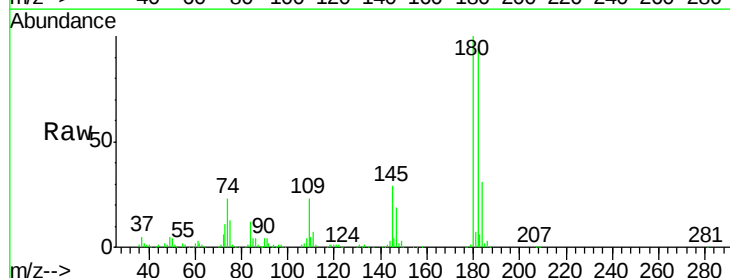
Tgt Ion:180 Resp: 600294

Ion Ratio Lower Upper

180 100

182 95.5 47.7 143.1

145 29.7 15.2 45.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

