

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021320\
 Data File : VD065172.D
 Acq On : 13 Feb 2020 11:21
 Operator : VA/SY
 Sample : VD0213SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/14/2020 4:17:50 PM

Quant Time: Feb 14 07:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	473269	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	711862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641740	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	311176	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	213648	53.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.22%	
35) Dibromofluoromethane	7.92	113	220003	55.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.78%	
50) Toluene-d8	10.34	98	863529	54.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.24%	
62) 4-Bromofluorobenzene	12.64	95	270088	53.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	79001	20.059	ug/l	96
3) Chloromethane	2.21	50	101764	21.950	ug/l	99
4) Vinyl Chloride	2.35	62	103423	21.094	ug/l	95
5) Bromomethane	2.76	94	61200	19.251	ug/l	99
6) Chloroethane	2.92	64	64837	21.318	ug/l	99
7) Trichlorofluoromethane	3.27	101	152256	21.338	ug/l	98
8) Diethyl Ether	3.71	74	40618	19.829	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	90917	20.843	ug/l	99
10) Methyl Iodide	4.29	142	85606	17.194	ug/l	97
11) Tert butyl alcohol	5.25	59	21120	85.937	ug/l	96
12) 1,1-Dichloroethene	4.06	96	84255	20.168	ug/l	93
13) Acrolein	3.93	56	23965	79.280	ug/l	97
14) Allyl chloride	4.71	41	138691	19.975	ug/l	96
15) Acrylonitrile	5.43	53	91201	101.839	ug/l	100
16) Acetone	4.17	43	91215	90.701	ug/l	97
17) Carbon Disulfide	4.40	76	277049	20.655	ug/l	100
18) Methyl Acetate	4.73	43	47105	22.419	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	171111	18.522	ug/l	97
20) Methylene Chloride	4.96	84	103973	21.211	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	97377	20.602	ug/l	91
22) Diisopropyl ether	6.37	45	271573	20.736	ug/l	96
23) Vinyl Acetate	6.31	43	699714	95.855	ug/l	100
24) 1,1-Dichloroethane	6.27	63	169057	21.327	ug/l	99
25) 2-Butanone	7.22	43	114122	95.133	ug/l	98
26) 2,2-Dichloropropane	7.21	77	144497	20.337	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	100002	19.916	ug/l	98
28) Bromochloromethane	7.55	49	58885	19.596	ug/l	97
29) Tetrahydrofuran	7.57	42	72935	100.538	ug/l	94
30) Chloroform	7.71	83	170509	21.602	ug/l	100
31) Cyclohexane	7.98	56	159267	19.904	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	152392	20.727	ug/l	99
36) 1,1-Dichloropropene	8.11	75	135453	20.463	ug/l	98
37) Ethyl Acetate	7.30	43	53415	19.753	ug/l #	95
38) Carbon Tetrachloride	8.10	117	137562	20.348	ug/l	96

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Manual Integrations
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 2/14/2020 4:17:50 PM

Quant Time: Feb 14 07:25:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	153210	18.752	ug/l	95
40) Benzene	8.36	78	374609	20.494	ug/l	99
41) Methacrylonitrile	7.53	41	24538	16.471	ug/l	92
42) 1,2-Dichloroethane	8.43	62	104318	20.029	ug/l	98
43) Isopropyl Acetate	8.46	43	97364	18.822	ug/l	99
44) Trichloroethene	9.11	130	103346	19.697	ug/l	98
45) 1,2-Dichloropropane	9.39	63	93832	21.410	ug/l	99
46) Dibromomethane	9.48	93	48208	20.933	ug/l	97
47) Bromodichloromethane	9.67	83	127381	20.992	ug/l	96
48) Methyl methacrylate	9.46	41	45945	18.458	ug/l	99
49) 1,4-Dioxane	9.47	88	10524	385.826	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	248670	97.663	ug/l	99
52) Toluene	10.41	92	244496	20.957	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	117614	19.908	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	143656	20.331	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65282	20.667	ug/l	96
56) Ethyl methacrylate	10.67	69	74137	18.549	ug/l	96
57) 1,3-Dichloropropane	10.95	76	111863	20.139	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124494	83.768	ug/l	100
59) 2-Hexanone	10.99	43	176638	97.940	ug/l	99
60) Dibromochloromethane	11.14	129	84008	20.533	ug/l	98
61) 1,2-Dibromoethane	11.25	107	62454	20.234	ug/l	99
64) Tetrachloroethene	10.88	164	88721	19.240	ug/l	96
65) Chlorobenzene	11.67	112	252287	20.326	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	91811	20.041	ug/l	98
67) Ethyl Benzene	11.75	91	448203	19.875	ug/l	99
68) m/p-Xylenes	11.86	106	342414	39.783	ug/l	99
69) o-Xylene	12.18	106	147684	19.054	ug/l	98
70) Styrene	12.20	104	269694	20.020	ug/l	100
71) Bromoform	12.37	173	51277	20.795	ug/l #	99
73) Isopropylbenzene	12.48	105	413689	19.369	ug/l	99
74) N-amyl acetate	12.30	43	84729	18.252	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	70149	20.869	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	47721m	20.256	ug/l	
77) Bromobenzene	12.77	156	101190	19.664	ug/l	98
78) n-propylbenzene	12.83	91	505184	20.198	ug/l	100
79) 2-Chlorotoluene	12.91	91	281184	20.168	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	344331	19.706	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22700	19.270	ug/l	98
82) 4-Chlorotoluene	13.01	91	292112	19.950	ug/l	99
83) tert-Butylbenzene	13.23	119	284853	18.896	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	347753	20.047	ug/l	100
85) sec-Butylbenzene	13.41	105	410698	19.948	ug/l	100
86) p-Isopropyltoluene	13.53	119	381366	19.936	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	193618	20.096	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	190338	19.849	ug/l	99
89) n-Butylbenzene	13.86	91	355560	20.138	ug/l	98
90) Hexachloroethane	14.12	117	76943	21.241	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	165787	20.090	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	10628	19.369	ug/l	98

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Manual Integrations
APPROVED

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Quant Time: Feb 14 07:25:30 2020
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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	112590	19.089	ug/l	99
94) Hexachlorobutadiene	15.28	225	70913	19.553	ug/l	99
95) Naphthalene	15.41	128	167287	17.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	94706	18.772	ug/l	99

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

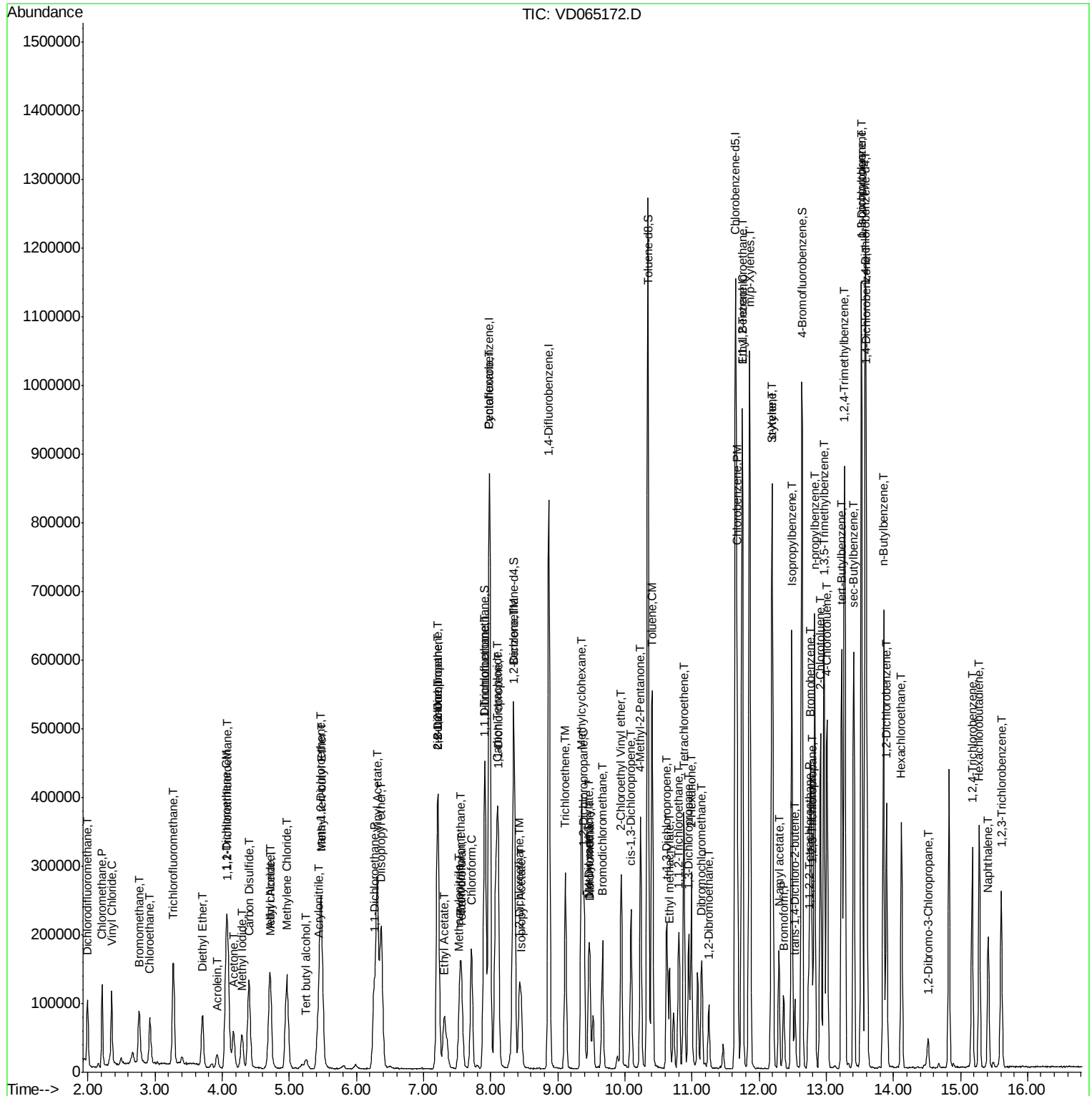
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Data File : VD065172.D
Acq On : 13 Feb 2020 11:21
Operator : VA/SY
Sample : VD0213SBS01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
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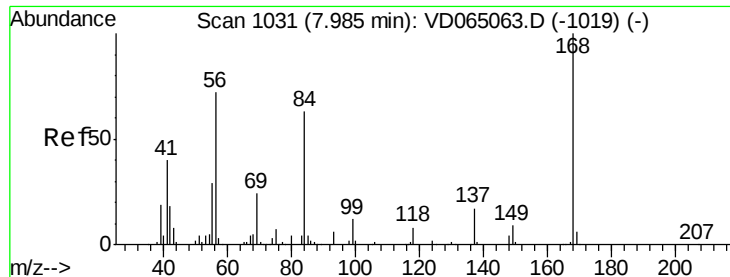
Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:17:50 PM

Quant Time: Feb 14 07:25:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion:168 Resp: 473269

Ion Ratio Lower Upper

168 100

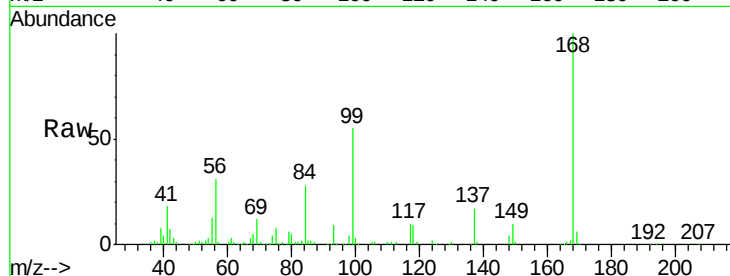
99 54.7 41.0 61.6

Manual Integrations

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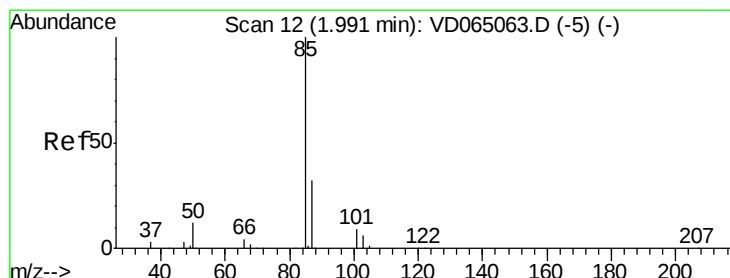
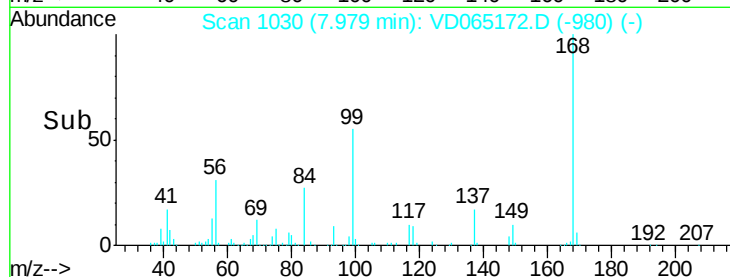
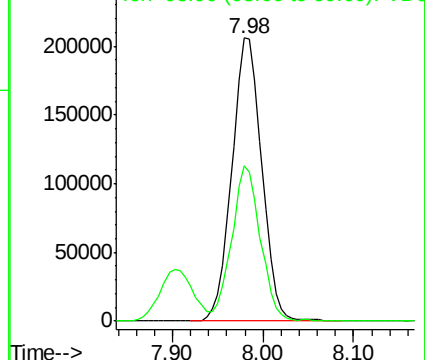
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.059 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065172.D

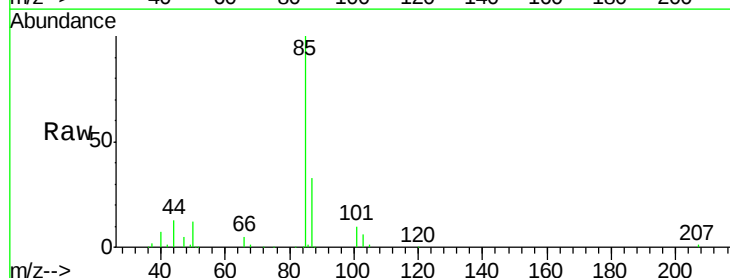
Acq: 13 Feb 2020 11:21

Tgt Ion: 85 Resp: 79001

Ion Ratio Lower Upper

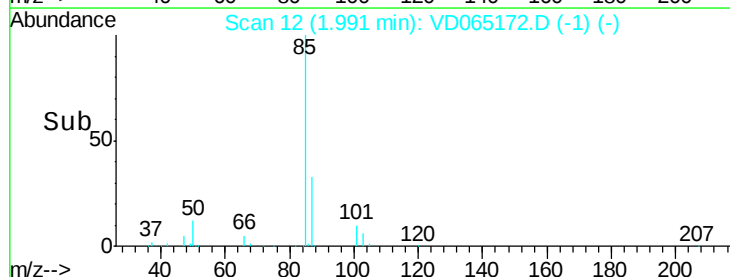
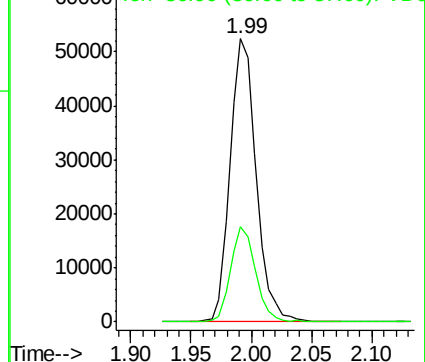
85 100

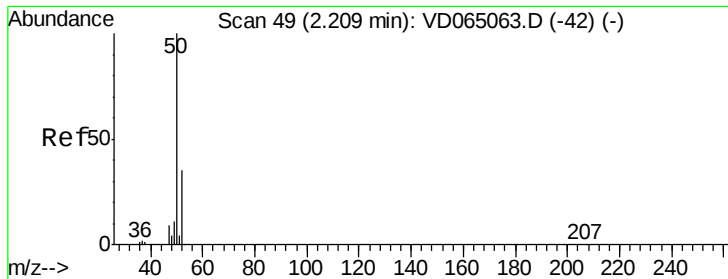
87 33.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.950 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 50 Resp: 101764

Ion Ratio Lower Upper

50 100

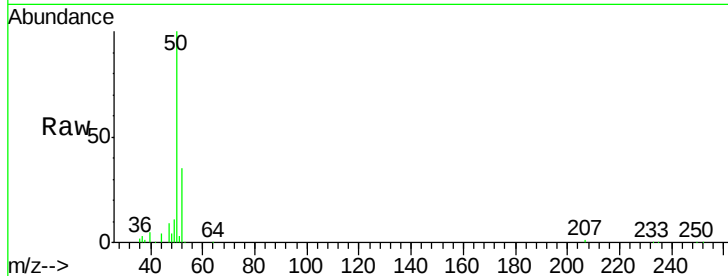
52 35.2 27.8 41.6

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

80000

60000

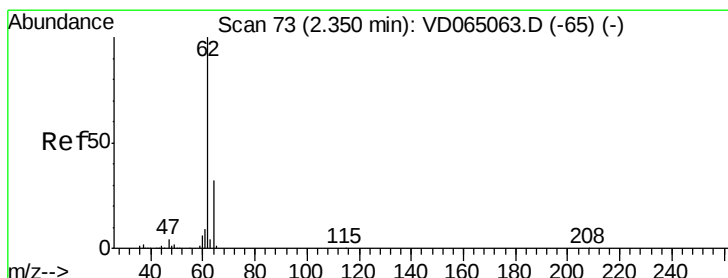
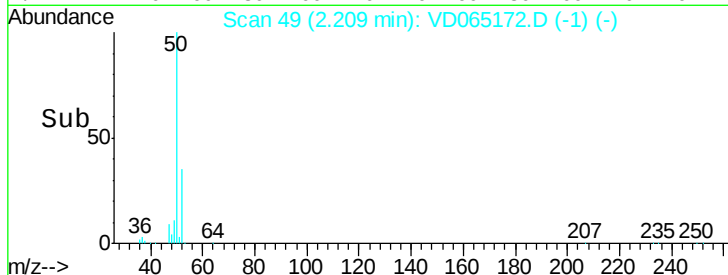
40000

20000

0

2.15 2.20 2.25 2.30

Time-->



#4

Vinyl Chloride

Concen: 21.094 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065172.D

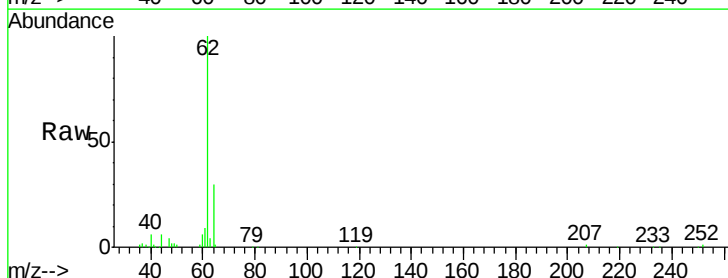
Acq: 13 Feb 2020 11:21

Tgt Ion: 62 Resp: 103423

Ion Ratio Lower Upper

62 100

64 29.5 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

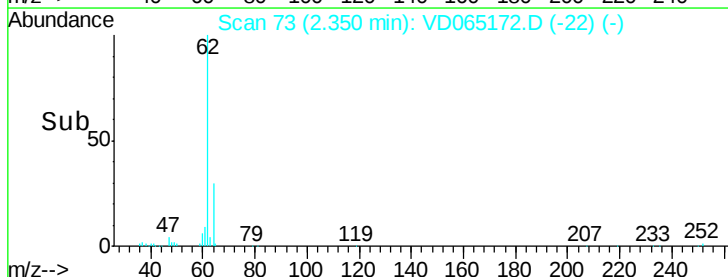
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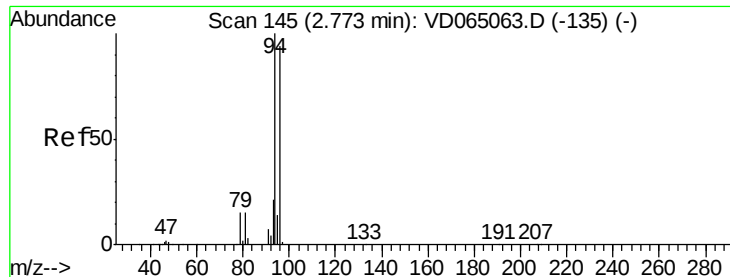
20000

0

2.30 2.35 2.40

Time-->





#5

Bromomethane

Concen: 19.251 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 94 Resp: 61200

Ion Ratio Lower Upper

94 100

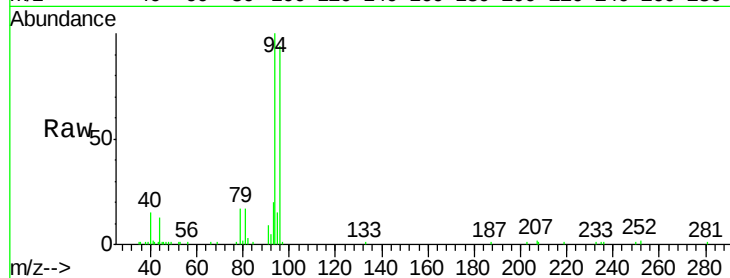
96 93.3 75.4 113.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.76

25000

20000

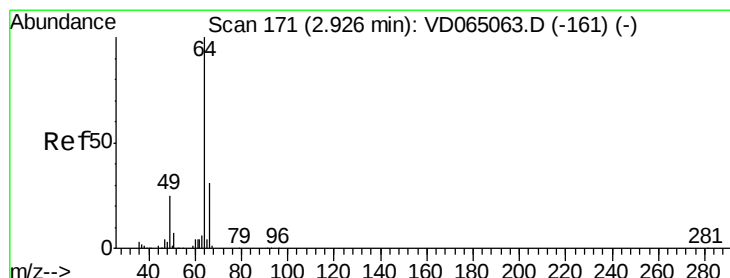
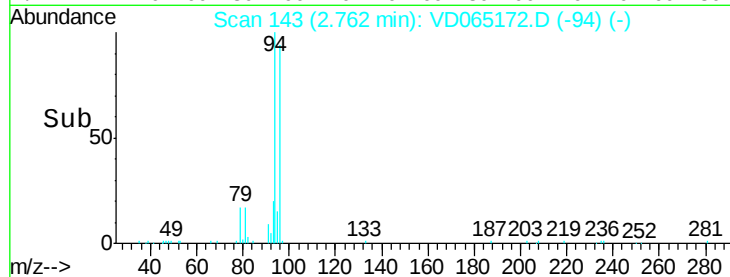
15000

10000

5000

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Time-->



#6

Chloroethane

Concen: 21.318 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065172.D

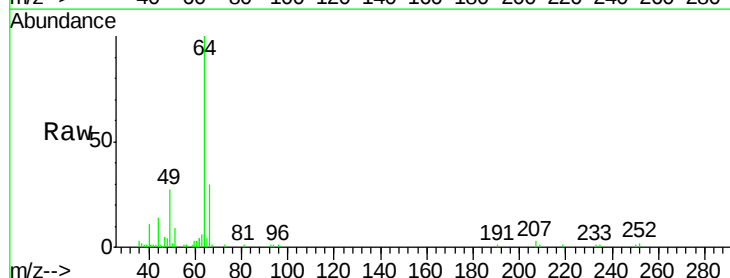
Acq: 13 Feb 2020 11:21

Tgt Ion: 64 Resp: 64837

Ion Ratio Lower Upper

64 100

66 30.3 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

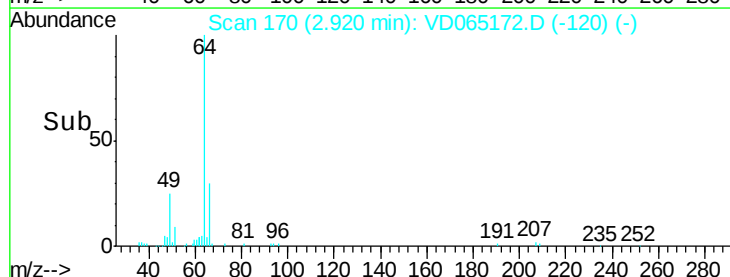
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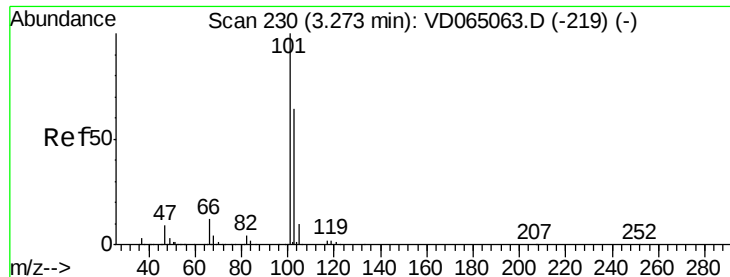
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Time-->





#7

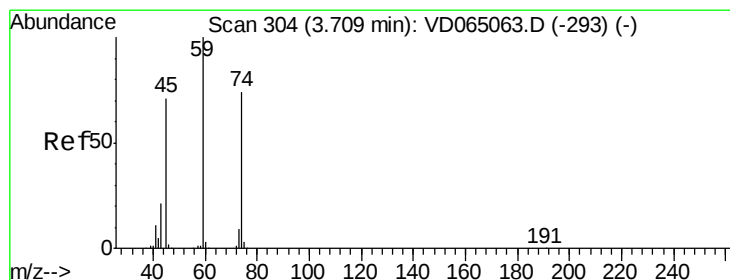
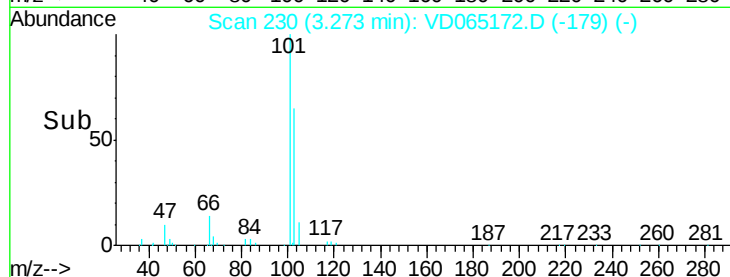
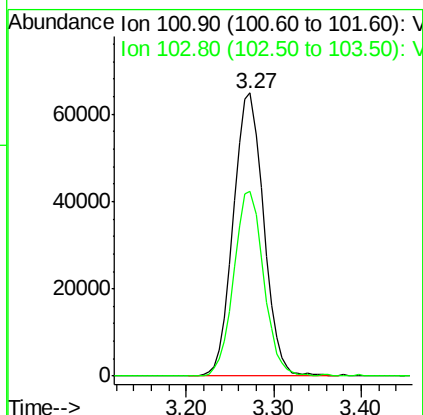
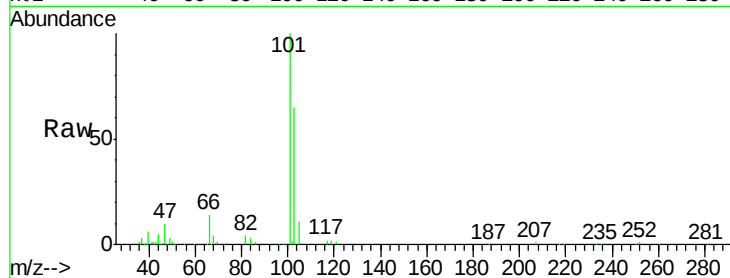
Trichlorofluoromethane
 Concen: 21.338 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

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 ClientSampleId :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	51.0	76.6

Manual Integrations
 APPROVED

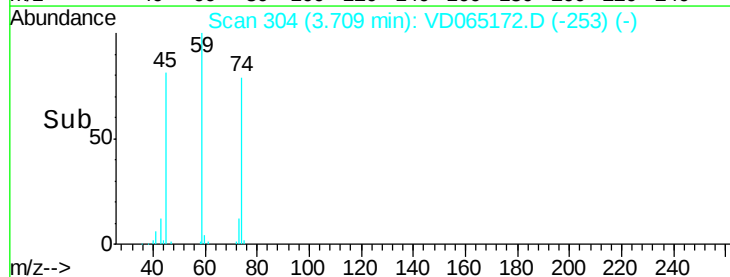
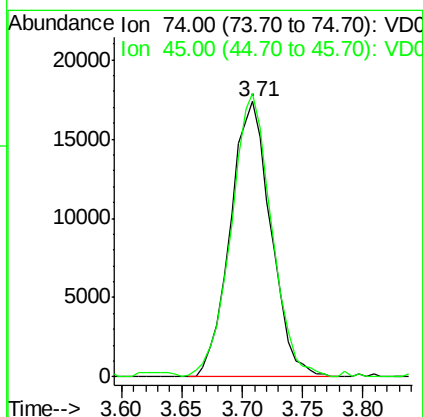
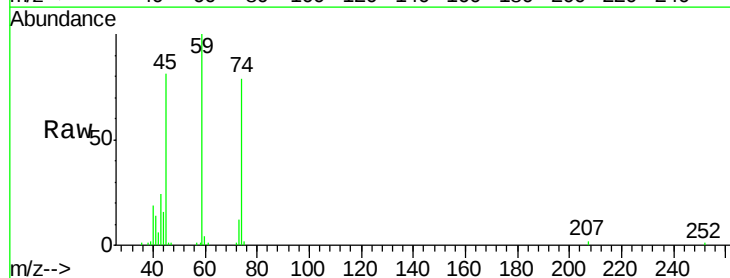
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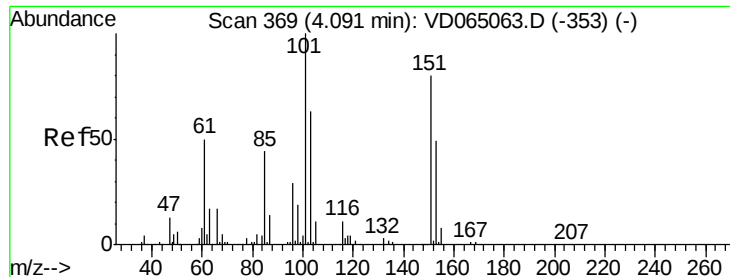


#8

Diethyl Ether
 Concen: 19.829 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.4	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.843 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

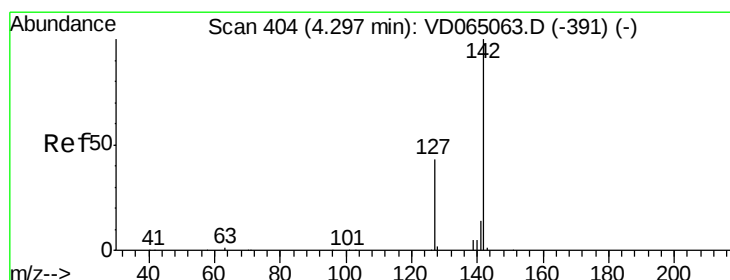
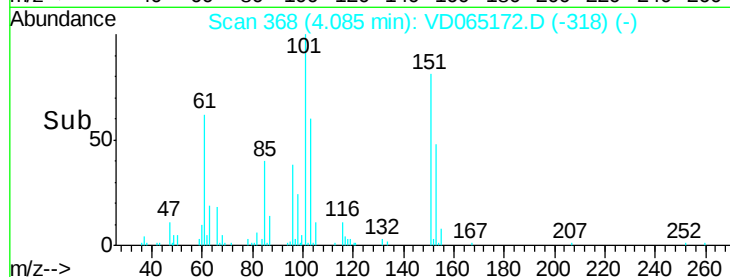
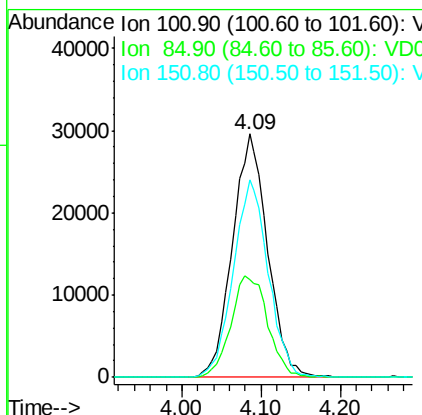
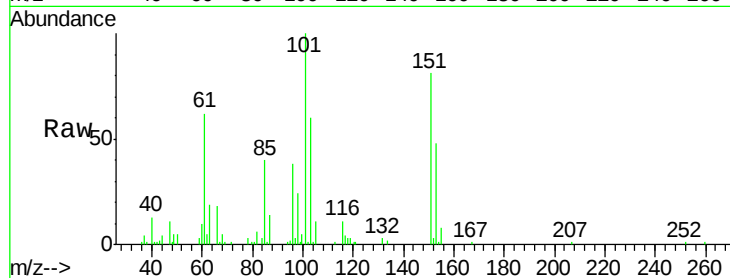
ClientSampleId :

VD0213SBS01

Tot Ion:	101	Resp:	90917
Ion Ratio	Lower	Upper	
101	100		
85	43.3	34.0	51.0
151	80.8	64.0	96.0

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#10

Methyl Iodide

Concen: 17.194 ug/l

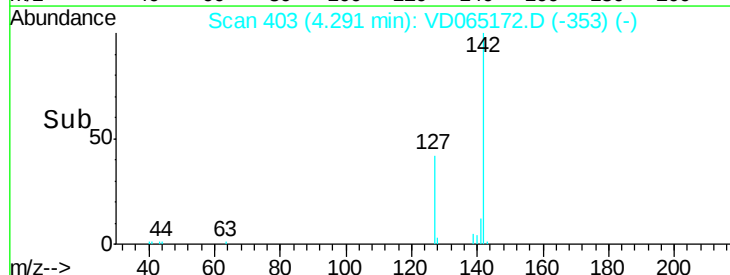
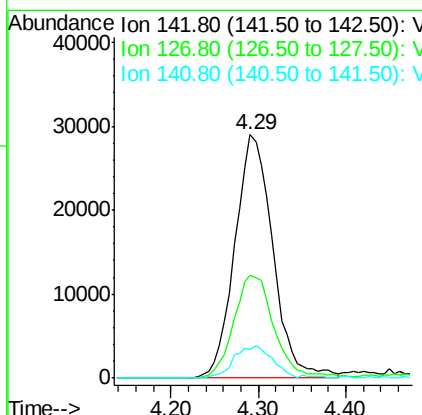
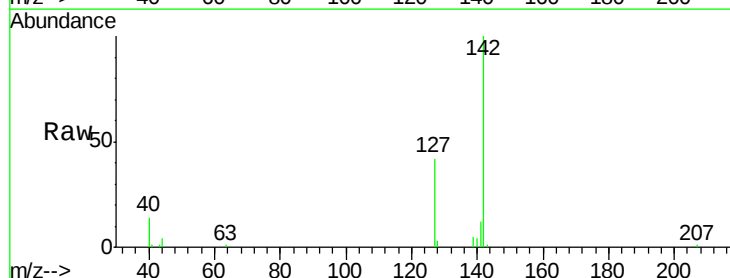
RT: 4.29 min Scan# 403

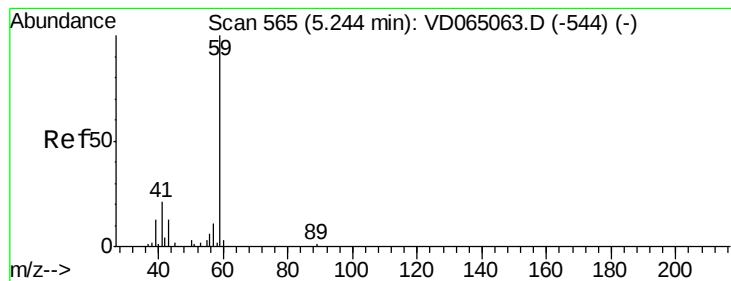
Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion:	142	Resp:	85606
Ion Ratio	Lower	Upper	
142	100		
127	44.8	34.0	51.0
141	13.4	11.6	17.4





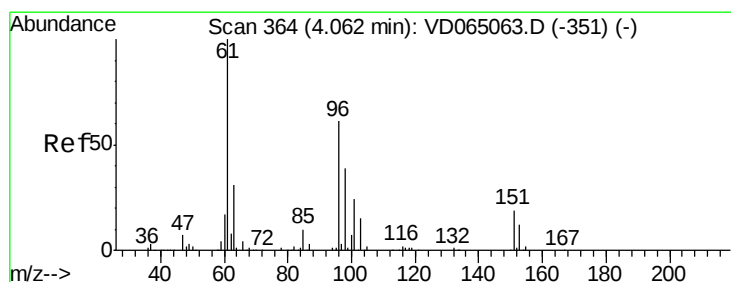
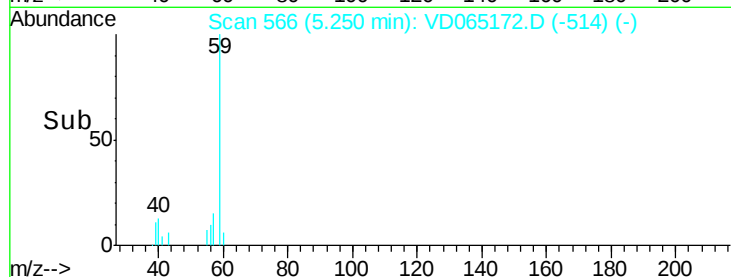
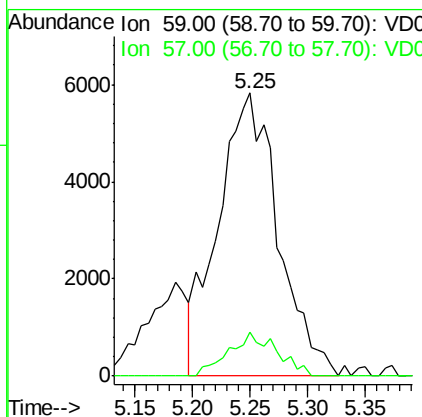
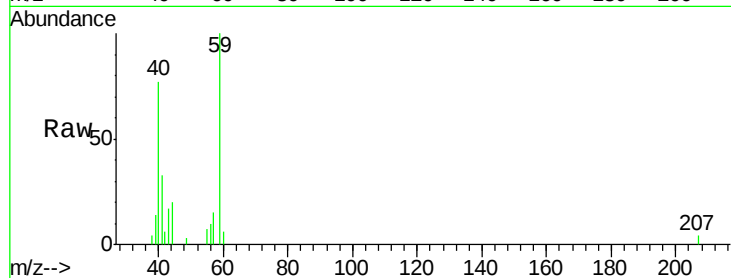
#11
Tert butyl alcohol
Concen: 85.937 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion: 59 Resp: 21120
Ion Ratio Lower Upper
59 100
57 12.5 8.8 13.2

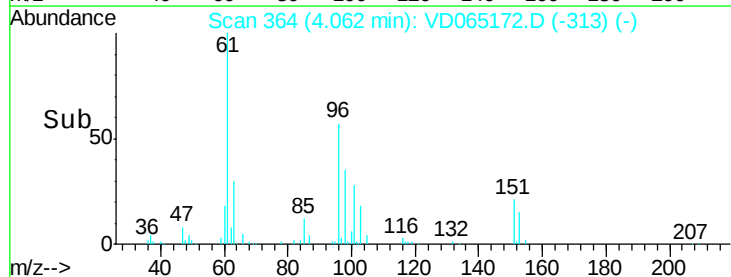
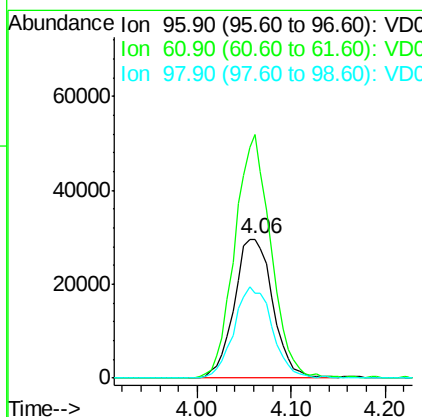
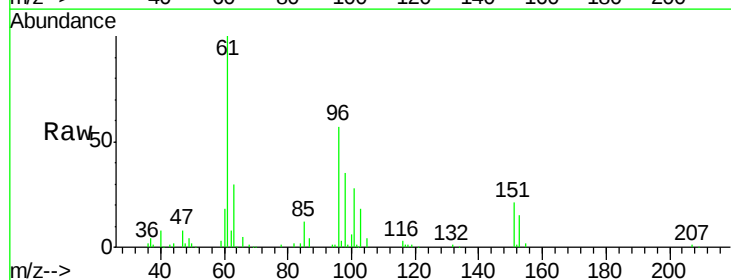
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#12
1,1-Dichloroethene
Concen: 20.168 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 96 Resp: 84255
Ion Ratio Lower Upper
96 100
61 175.0 131.4 197.2
98 60.7 51.1 76.7





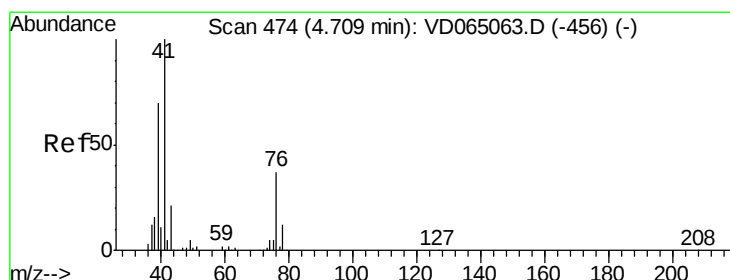
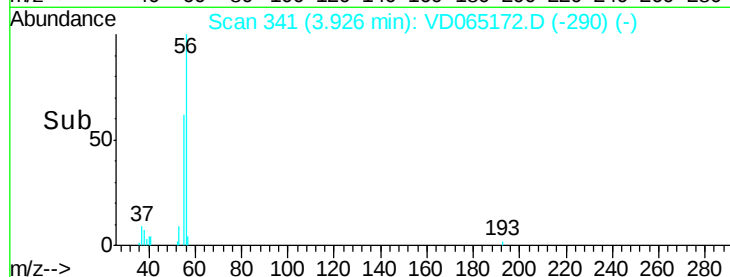
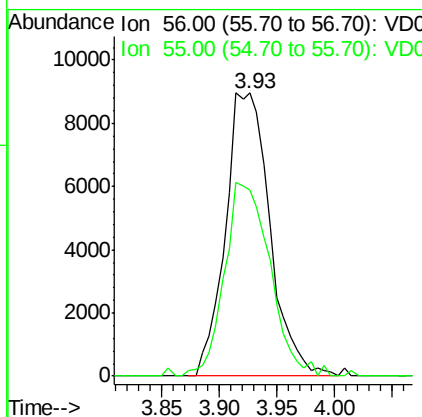
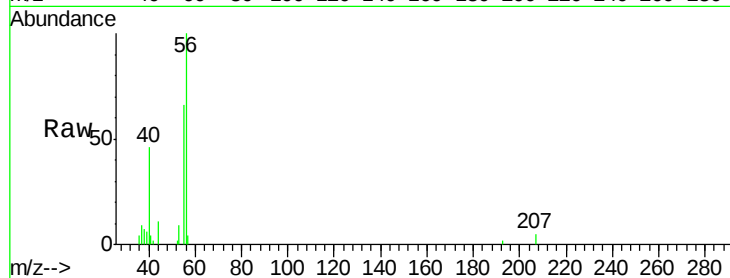
#13
Acrolein
Concen: 79.280 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.9	58.2	87.2

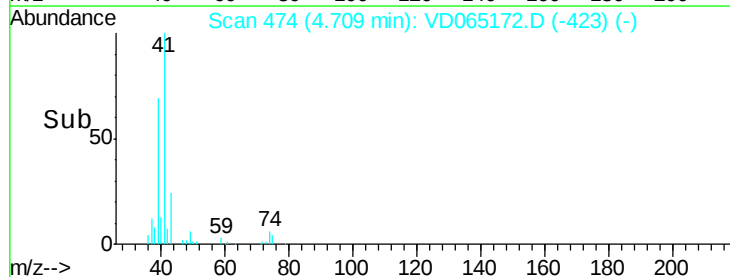
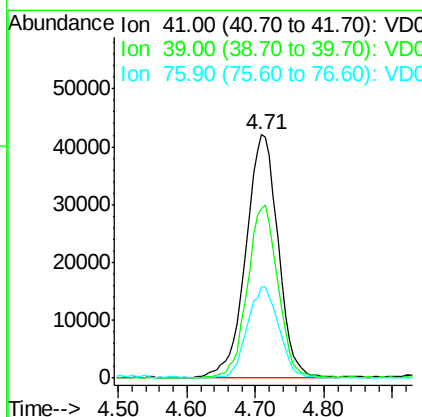
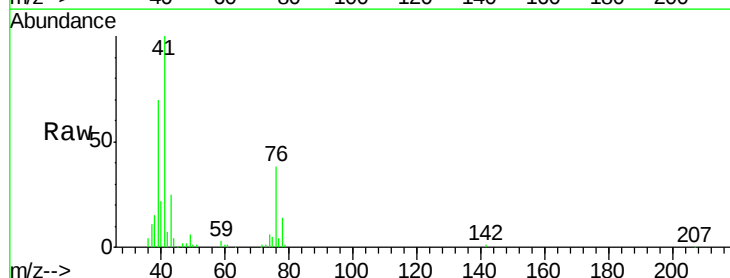
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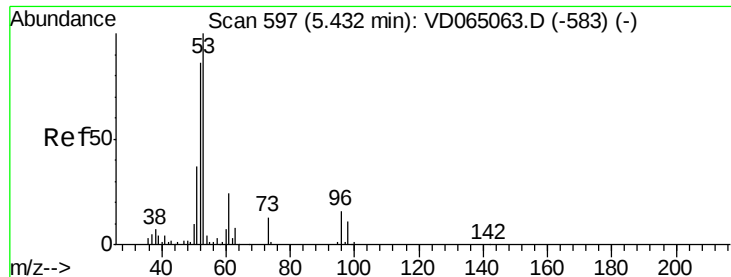
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#14
Allyl chloride
Concen: 19.975 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	67.1	57.1	85.7
76	76	36.4	28.0	42.0





#15

Acrylonitrile

Concen: 101.839 ug/l

RT: 5.43 min Scan# 597

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

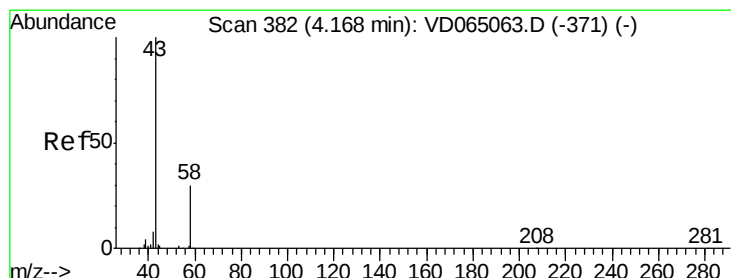
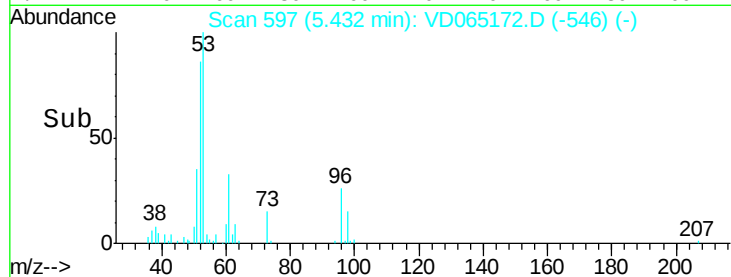
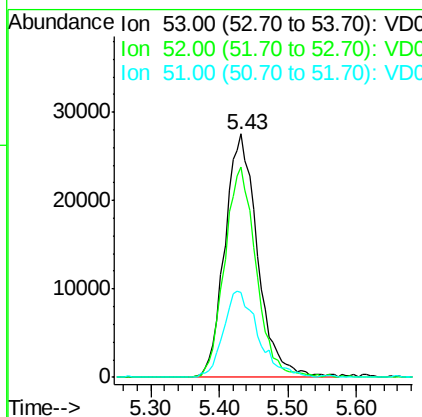
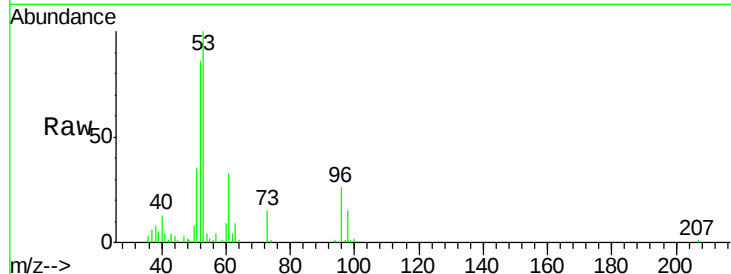
ClientSampleId :

VD0213SBS01

Tot Ion:	53	Resp:	91201
Ion Ratio	Lower	Upper	
53	100		
52	82.9	66.2	99.2
51	37.7	30.4	45.6

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#16

Acetone

Concen: 90.701 ug/l

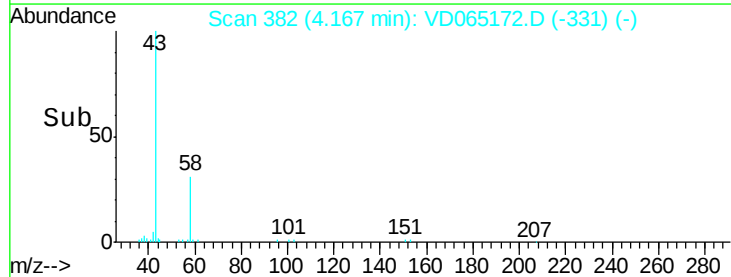
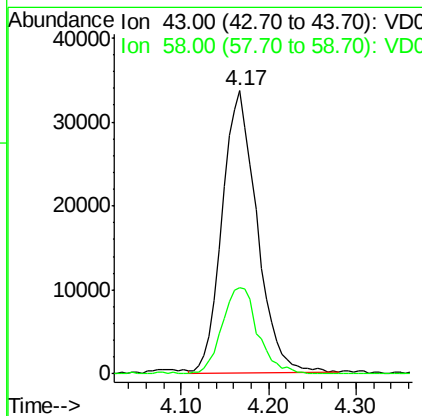
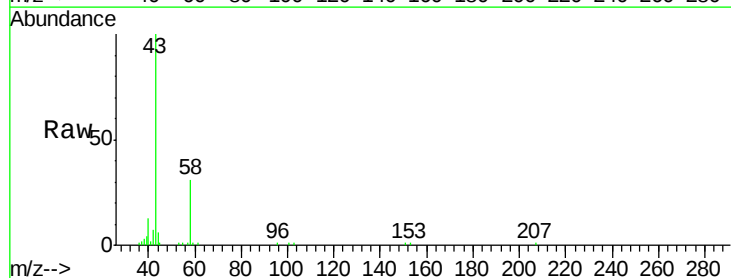
RT: 4.17 min Scan# 382

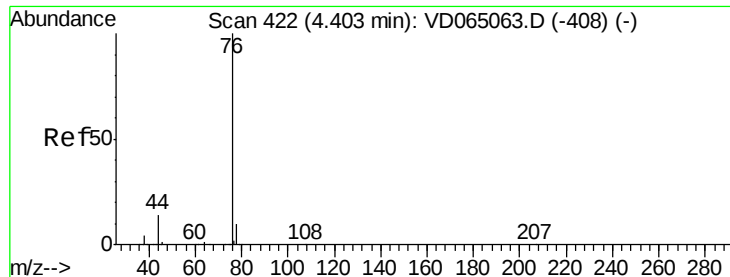
Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion:	43	Resp:	91215
Ion Ratio	Lower	Upper	
43	100		
58	30.8	23.5	35.3





#17

Carbon Disulfide

Concen: 20.655 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 76 Resp: 277049

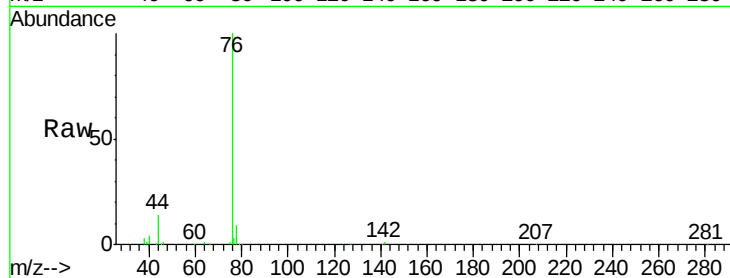
Ion Ratio Lower Upper

76 100

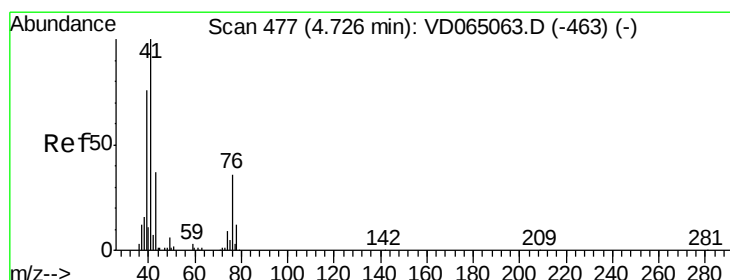
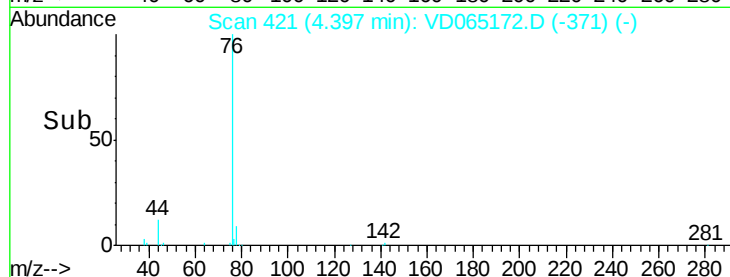
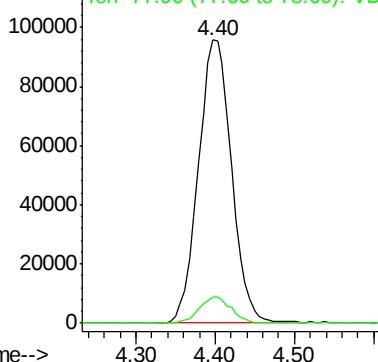
78 9.4 7.6 11.4

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Abundance Ion 75.90 (75.60 to 76.60): VDC
Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.419 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065172.D

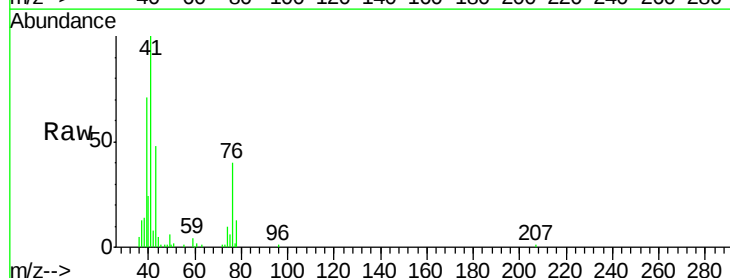
Acq: 13 Feb 2020 11:21

Tgt Ion: 43 Resp: 47105

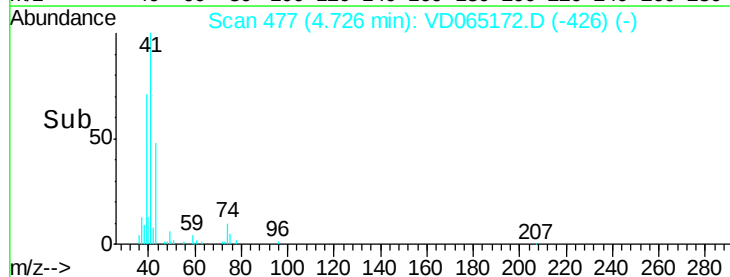
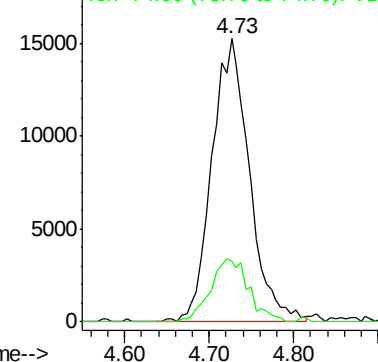
Ion Ratio Lower Upper

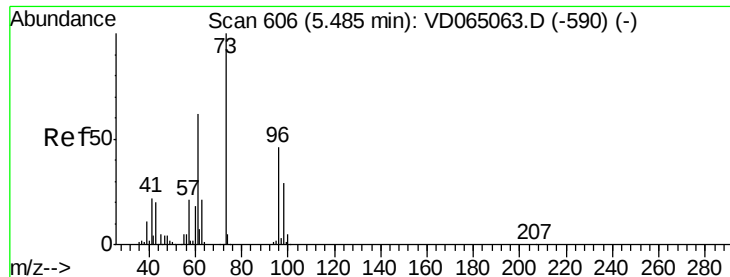
43 100

74 22.8 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 74.00 (73.70 to 74.70): VDC





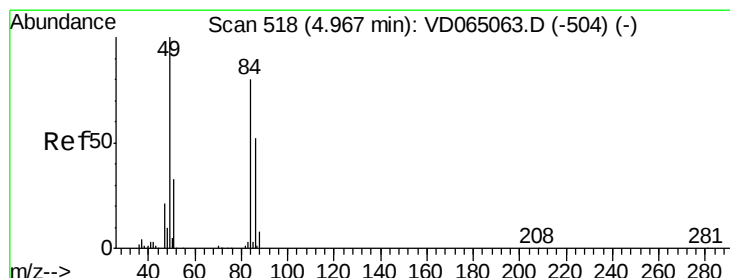
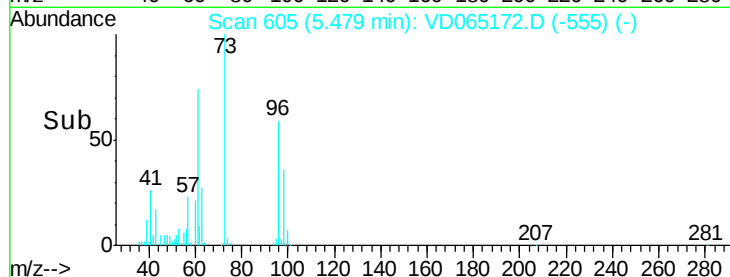
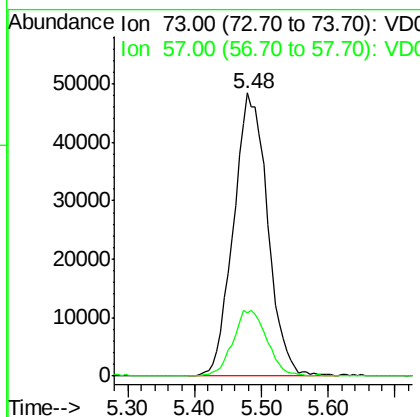
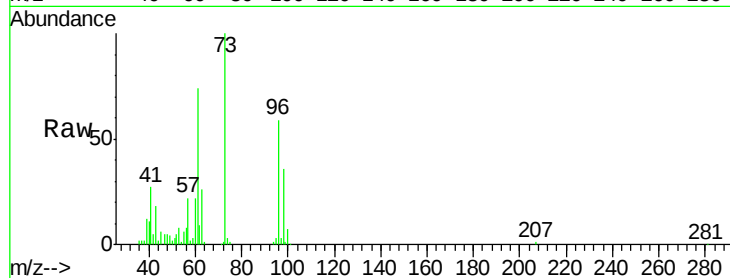
#19
Methvl tert-butvl Ether
Concen: 18.522 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion: 73 Resp: 171111
Ion Ratio Lower Upper
73 100
57 22.4 16.8 25.2

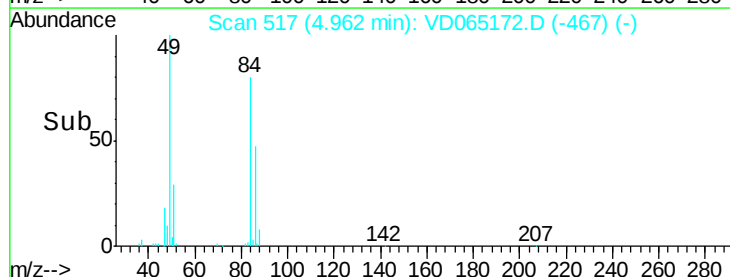
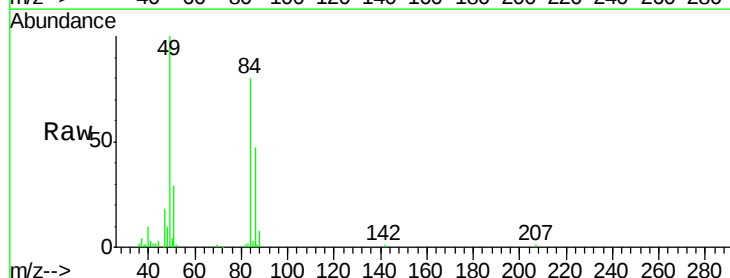
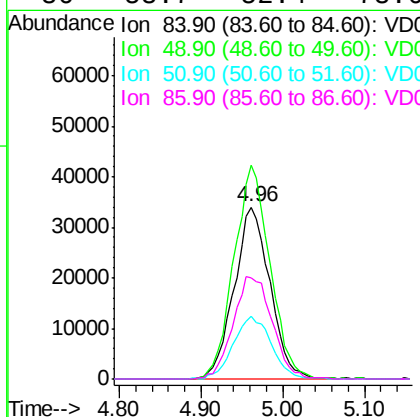
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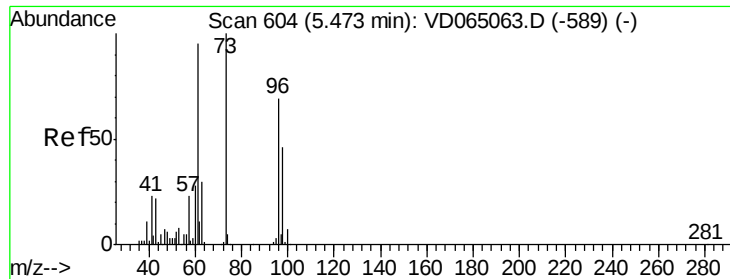
MMDadoda
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#20
Methylene Chloride
Concen: 21.211 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 84 Resp: 103973
Ion Ratio Lower Upper
84 100
49 124.3 100.4 150.6
51 36.6 32.7 49.1
86 58.7 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 20.602 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

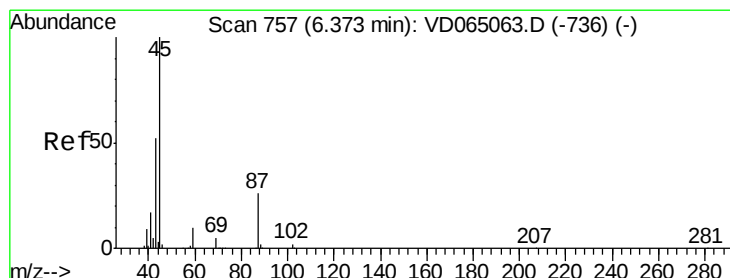
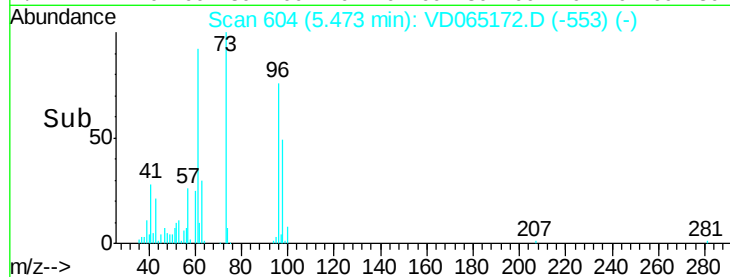
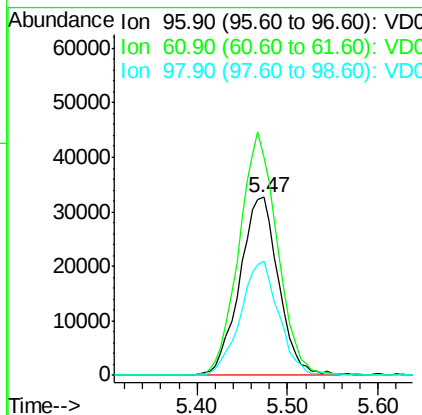
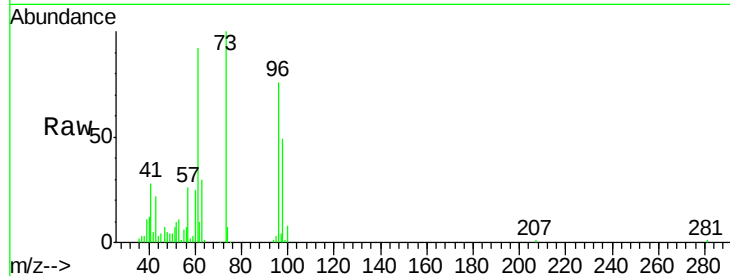
ClientSampleId :

VD0213SBS01

Tot Ion:	96	Resp:	97377
Ion	Ratio	Lower	Upper
96	100		
61	122.1	109.5	164.3
98	64.3	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.736 ug/l

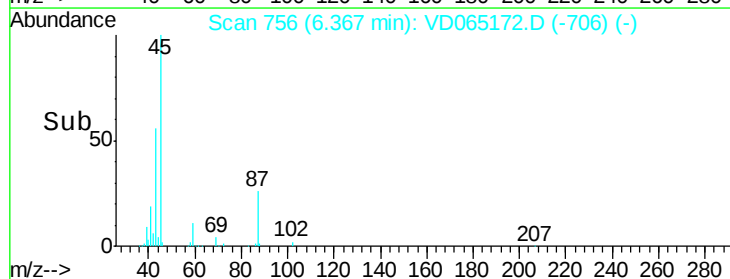
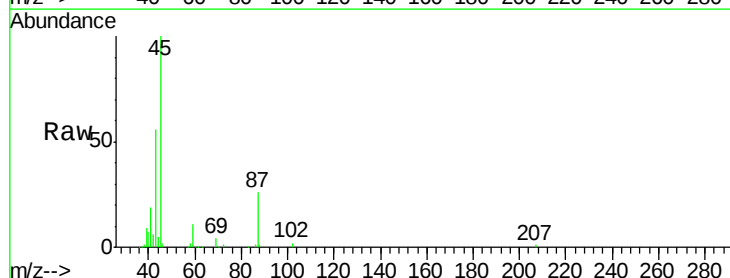
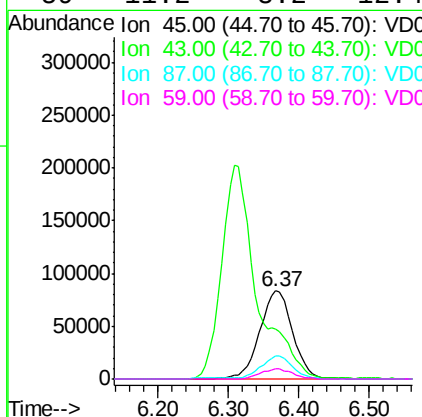
RT: 6.37 min Scan# 756

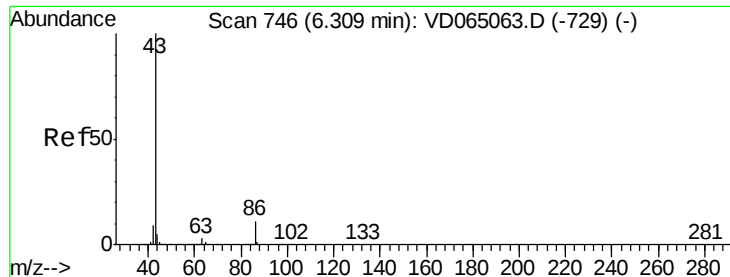
Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion:	45	Resp:	271573
Ion	Ratio	Lower	Upper
45	100		
43	55.6	41.3	61.9
87	25.2	21.0	31.6
59	11.2	8.2	12.4





#23

Vinyl Acetate

Concen: 95.855 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 43 Resp: 699714

Ion Ratio Lower Upper

43 100

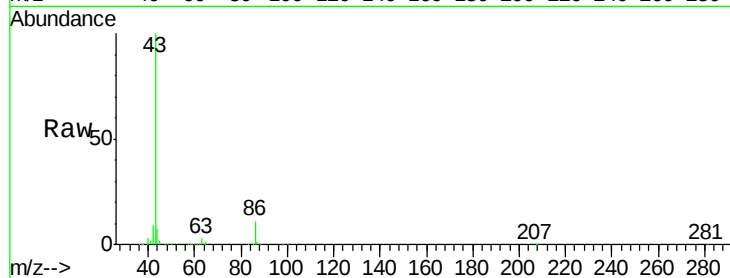
86 10.6 8.5 12.7

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

6.31

200000

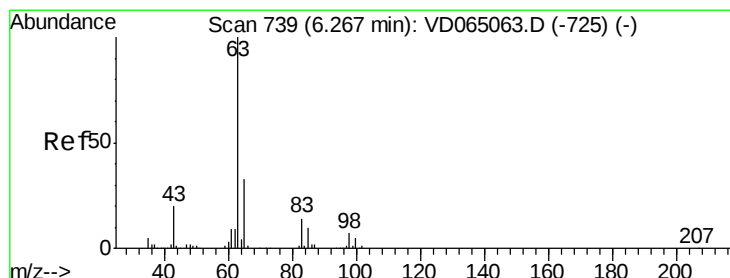
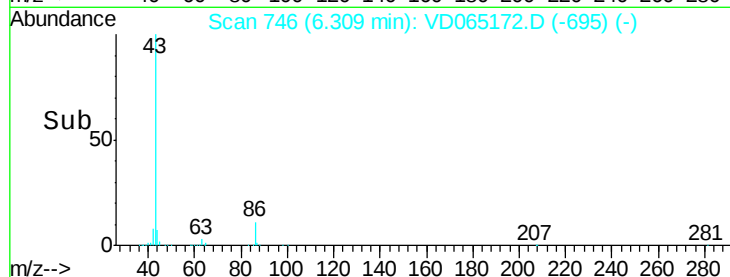
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.327 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

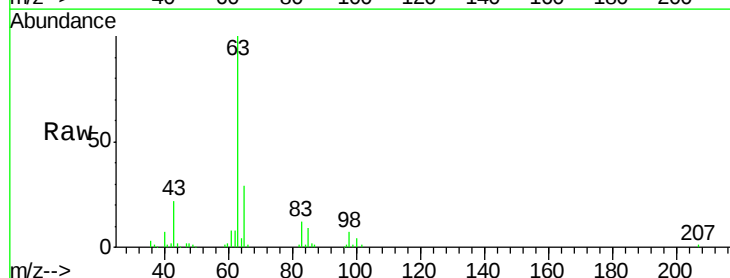
Tgt Ion: 63 Resp: 169057

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

100 4.5 2.5 7.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

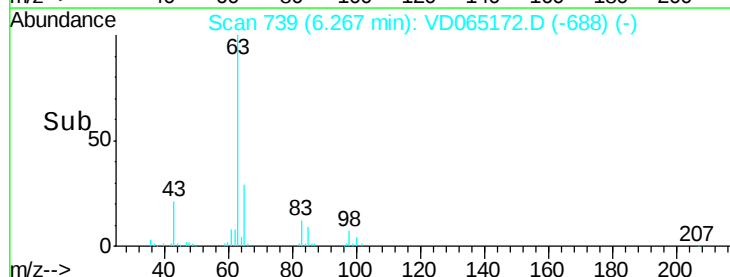
60000

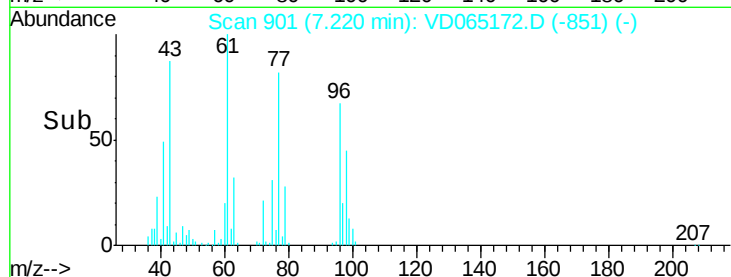
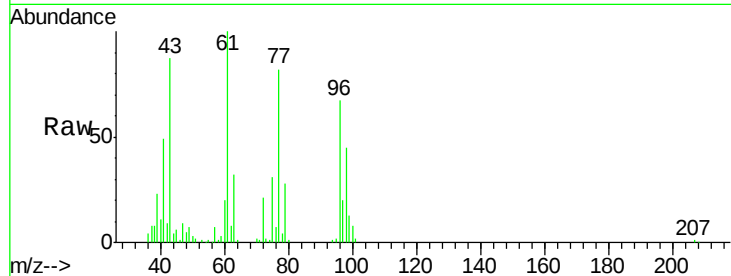
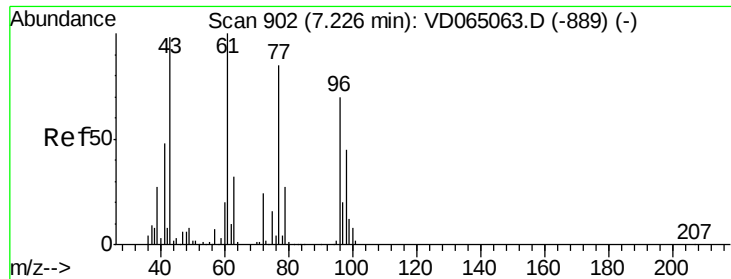
40000

20000

0

Time-->





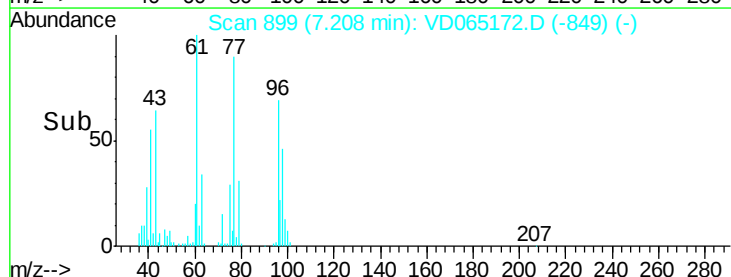
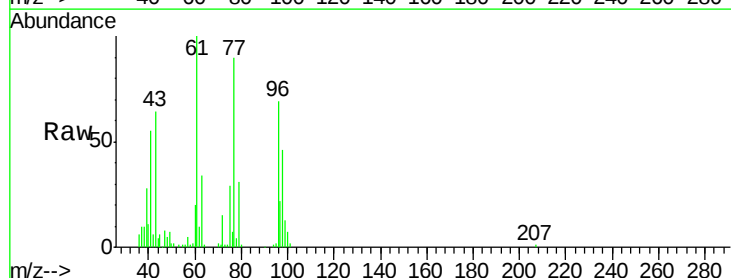
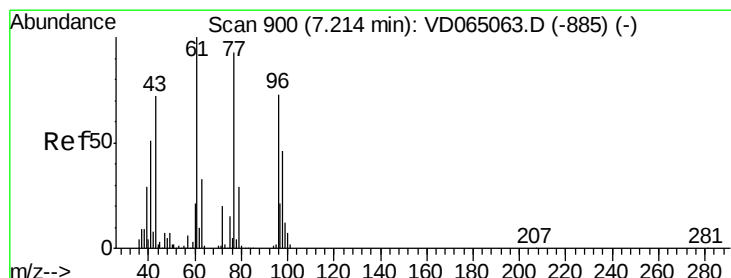
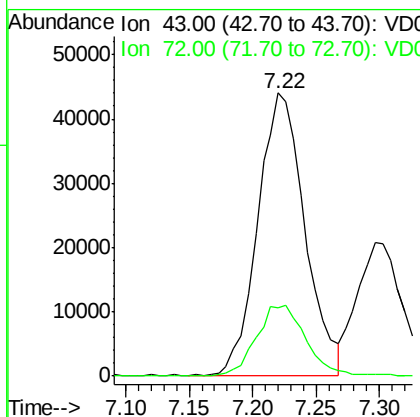
#25
2-Butanone
Concen: 95.133 ug/l
RT: 7.22 min Scan# 901
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tot Ion: 43 Resp: 114122
Ion Ratio Lower Upper
43 100
72 24.1 19.9 29.9

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

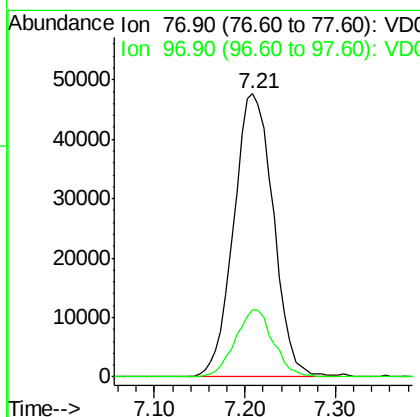
Manual Integrations
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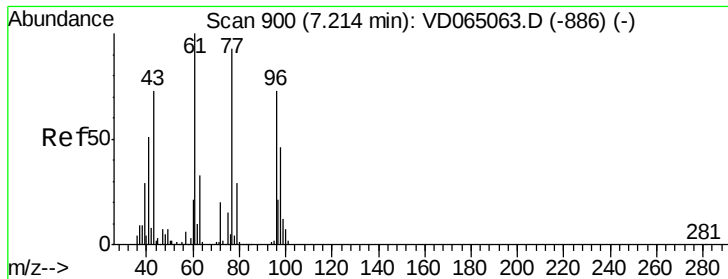
MMDadoda
2/14/2020 4:17:50 PM



#26
2,2-Dichloropropane
Concen: 20.337 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 77 Resp: 144497
Ion Ratio Lower Upper
77 100
97 22.6 10.9 32.6





#27

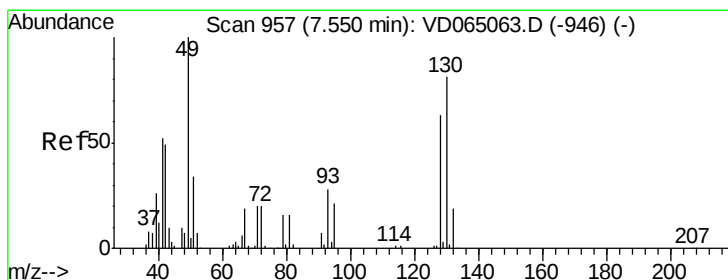
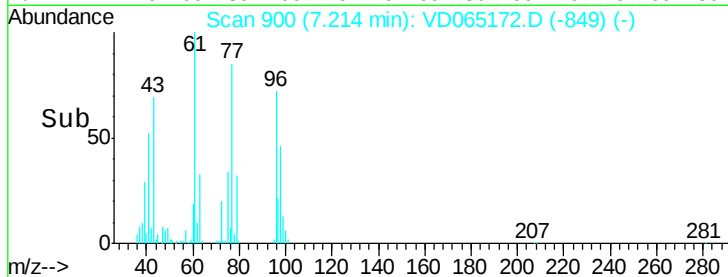
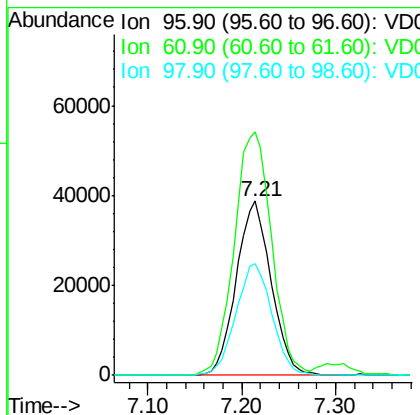
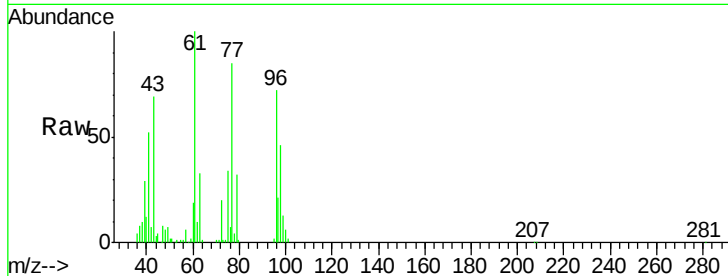
cis-1,2-Dichloroethene
Concen: 19.916 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	149.8	0.0	292.8	
98	65.9	0.0	128.8	

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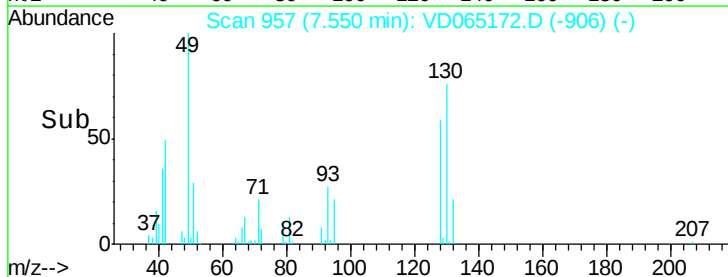
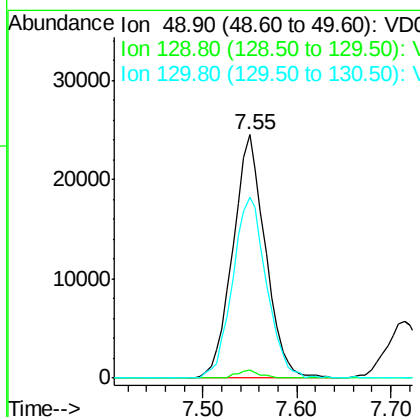
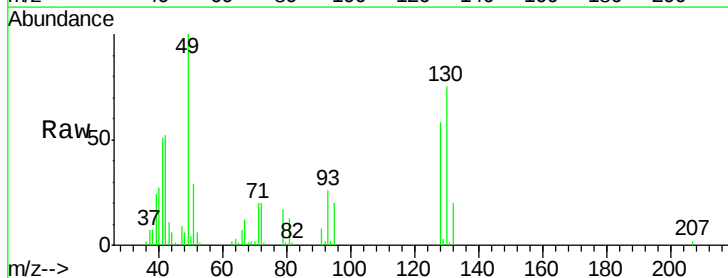
MMDadoda
2/14/2020 4:17:50 PM

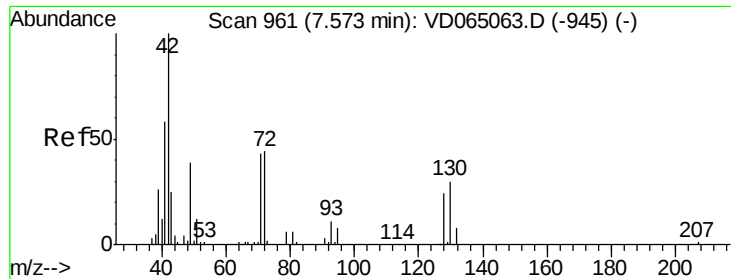


#28

Bromochloromethane
Concen: 19.596 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.2	0.0	4.4	
130	77.2	63.8	95.8	





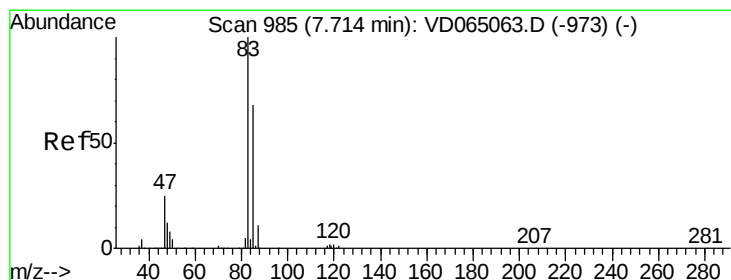
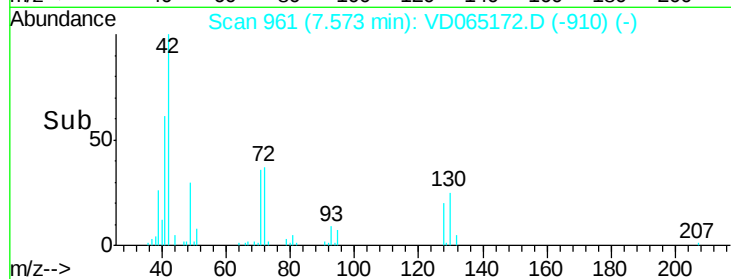
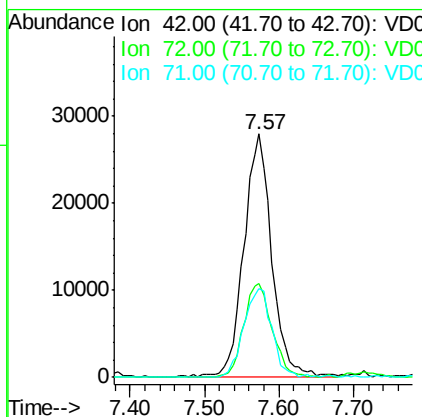
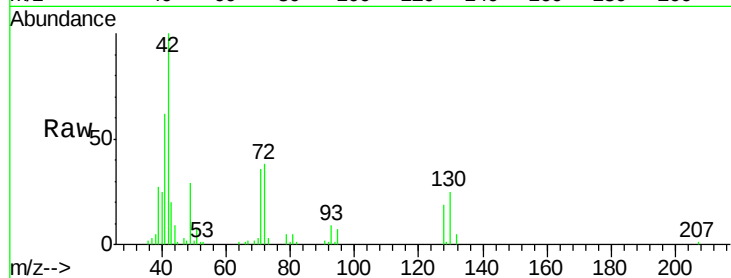
#29
Tetrahydrofuran
Concen: 100.538 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.6	34.2	51.4
71	36.4	31.8	47.6

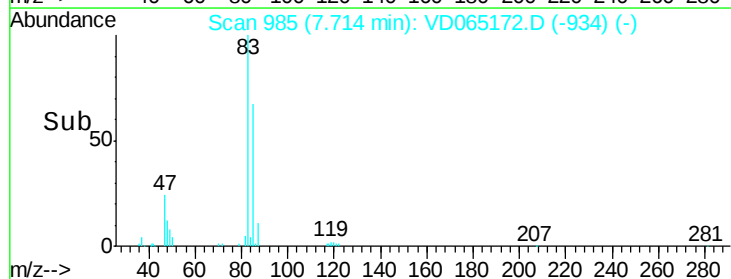
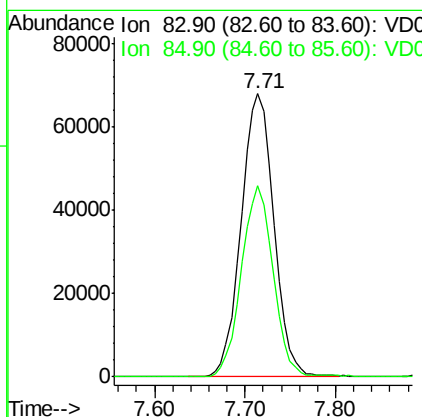
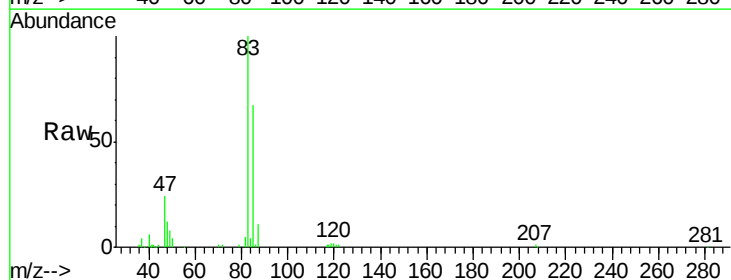
Manual Integrations
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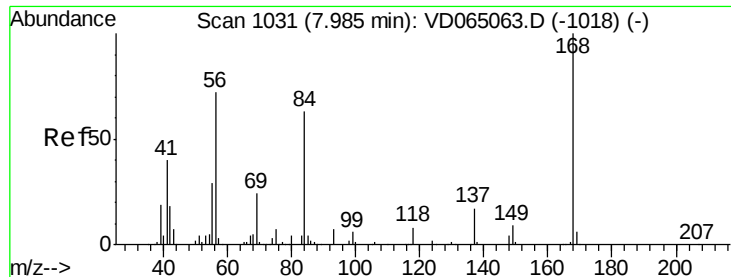
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2/14/2020 4:17:50 PM



#30
Chloroform
Concen: 21.602 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.5	54.2	81.4





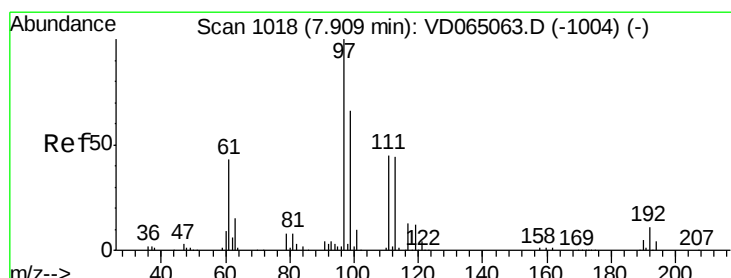
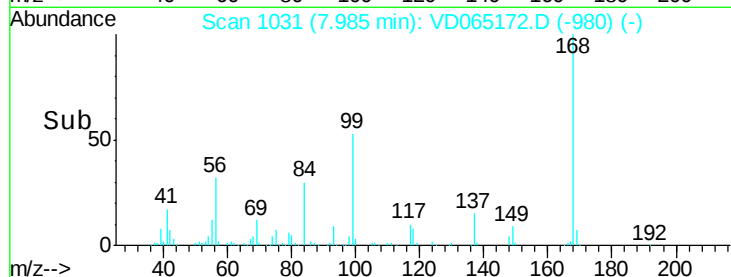
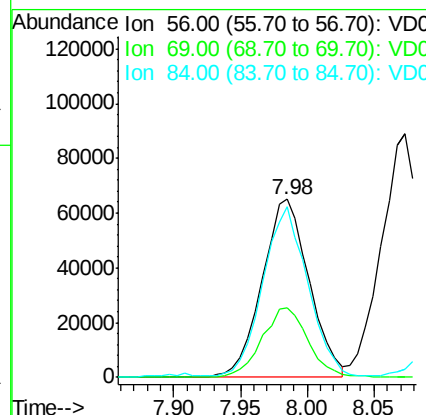
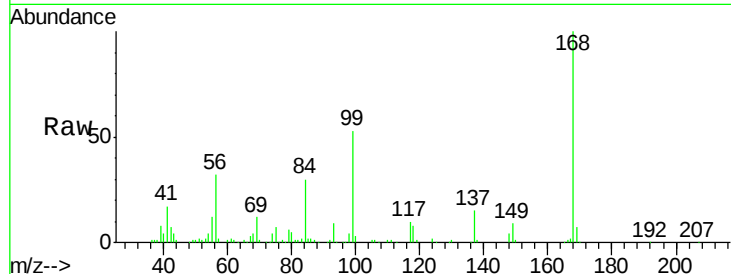
#31
Cyclohexane
Concen: 19.904 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	26.6	40.0
84	94.4	70.6	106.0

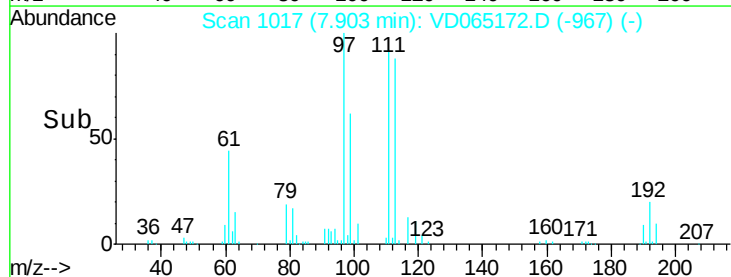
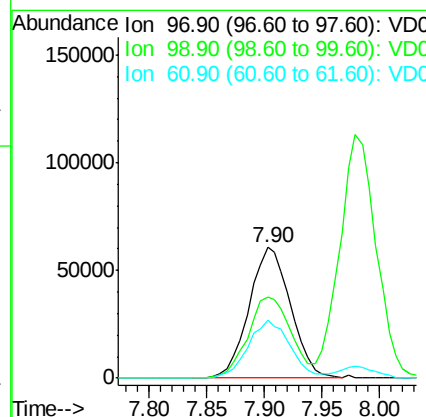
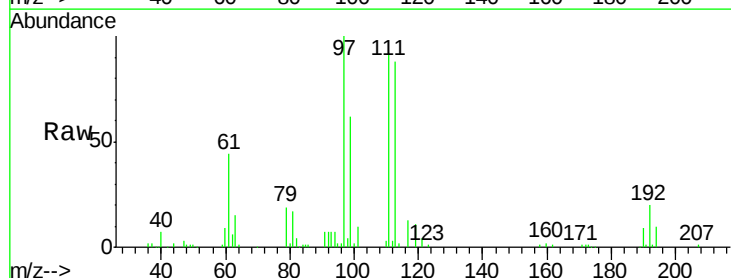
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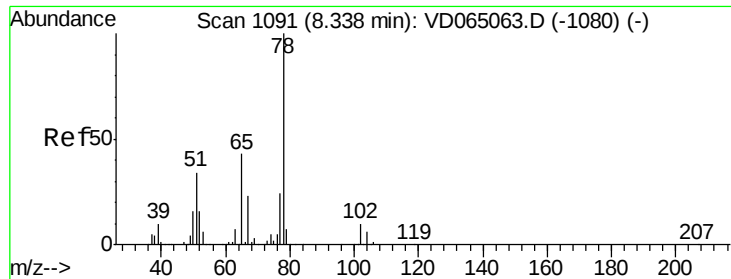
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2/14/2020 4:17:50 PM



#32
1,1,1-Trichloroethane
Concen: 20.727 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.5	77.3
61	44.3	34.8	52.2





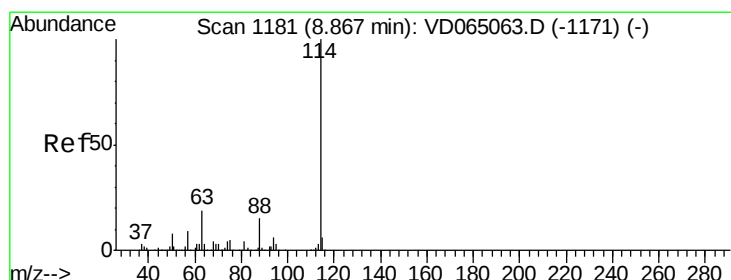
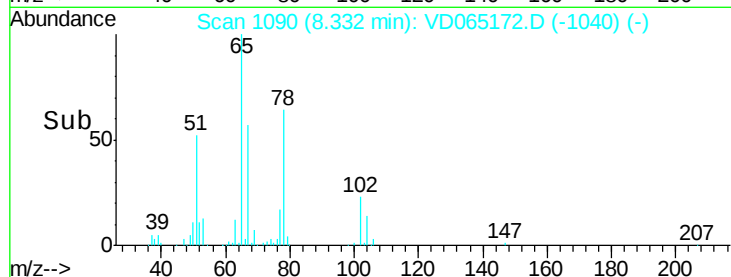
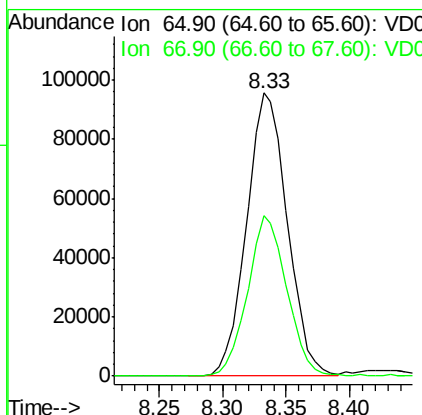
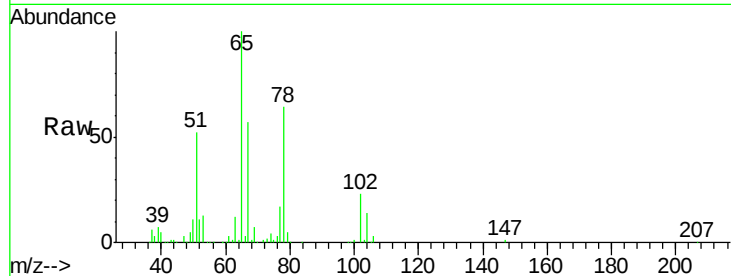
#33
 1,2-Dichloroethane-d4
 Concen: 53.115 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	213648		
67	54.6	0.0	105.8	

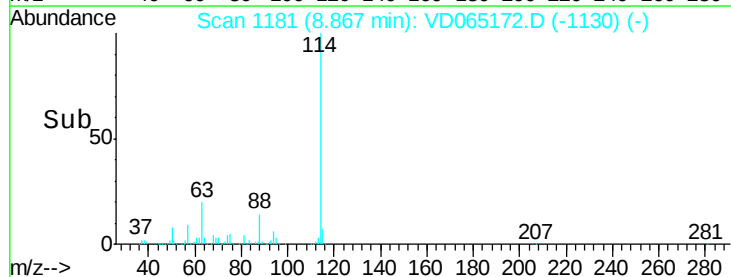
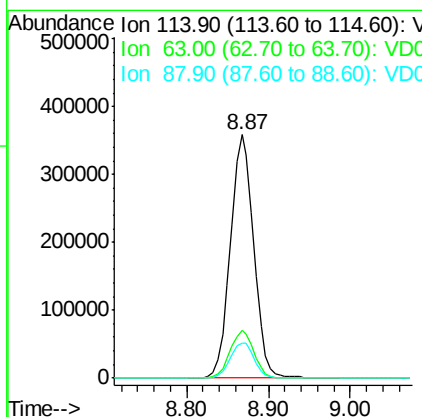
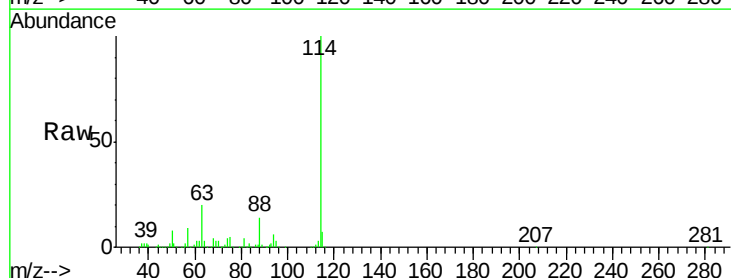
Manual Integrations
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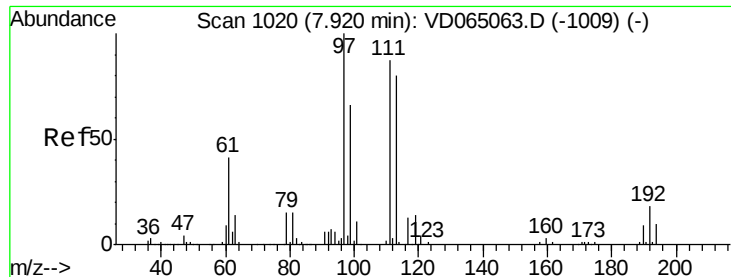
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	711862		
63	19.8	0.0	38.8	
88	14.4	0.0	29.6	





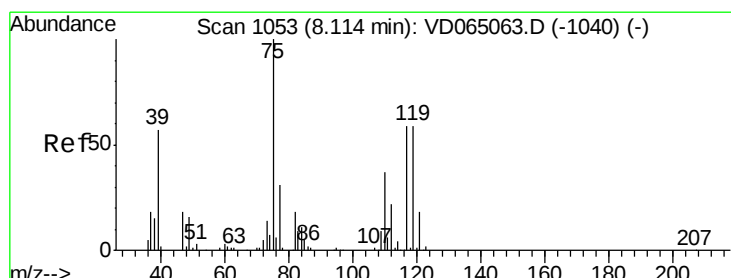
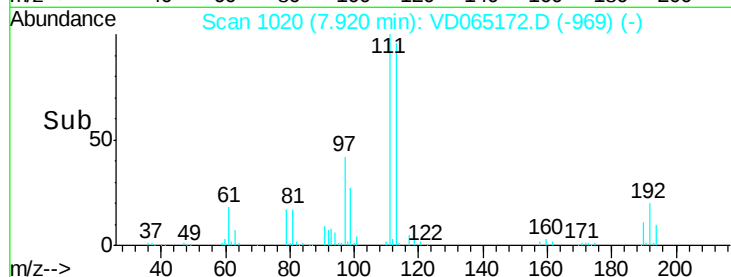
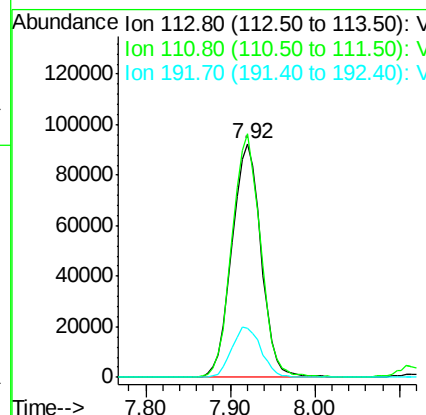
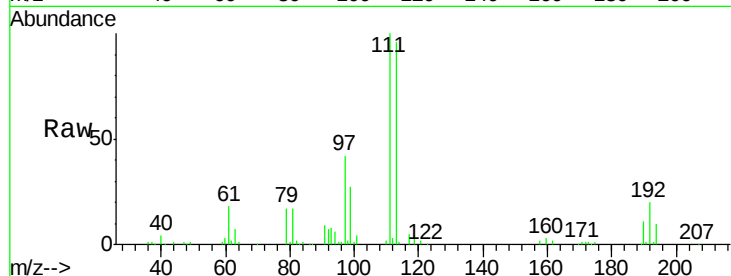
#35
 Dibromofluoromethane
 Concen: 55.392 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220003		
111	102.3		83.1	124.7
192	21.7		18.1	27.1

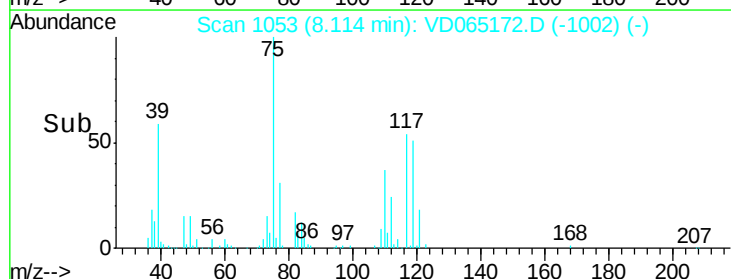
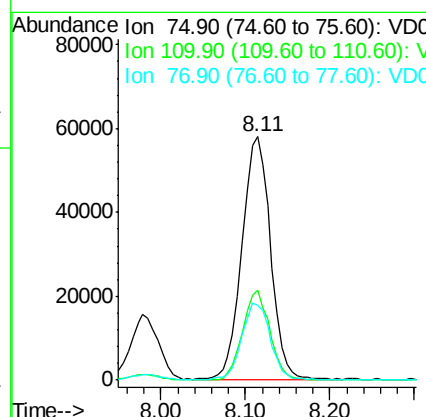
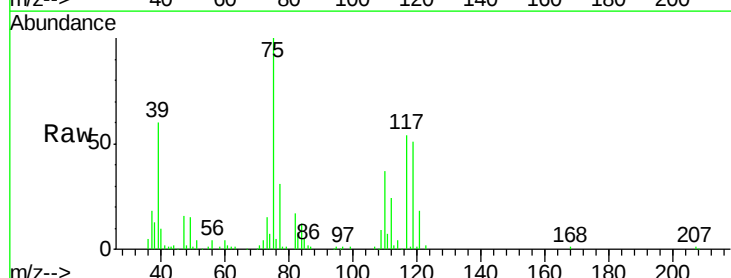
Manual Integrations
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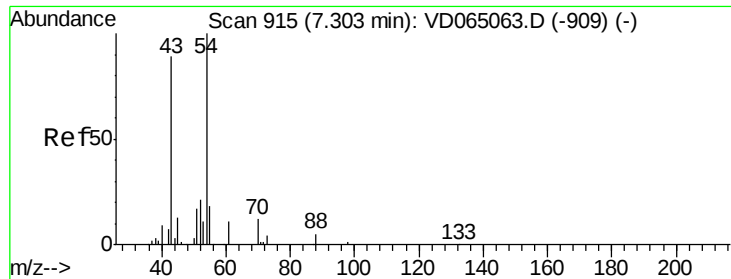
MMDadoda
 2/14/2020 4:17:50 PM



#36
 1,1-Dichloropropene
 Concen: 20.463 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	135453		
110	35.4		18.1	54.3
77	32.0		24.7	37.1





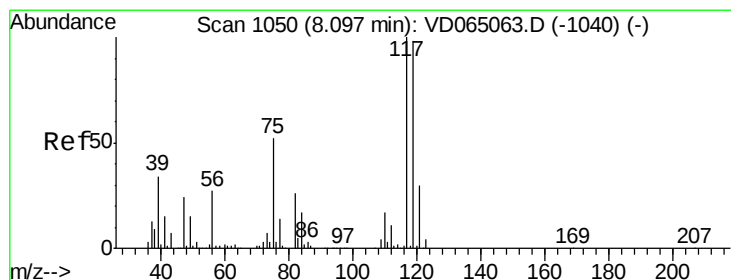
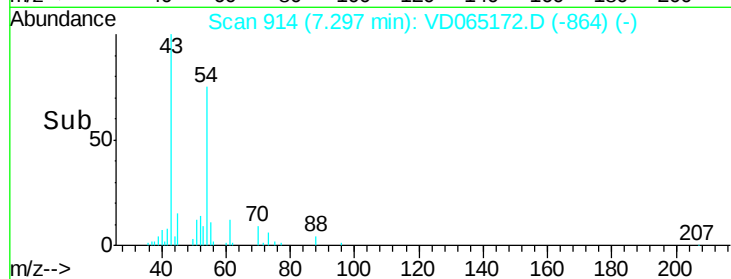
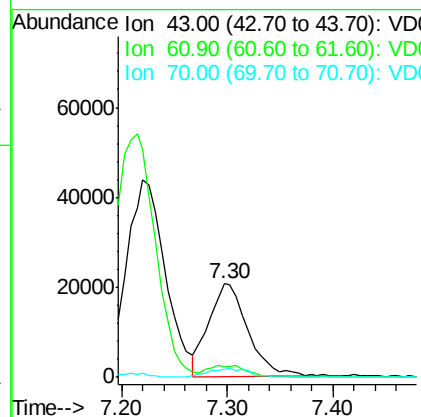
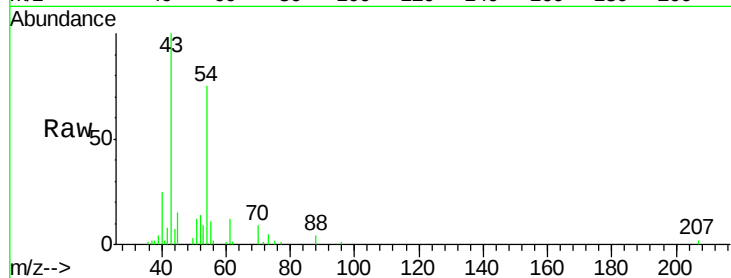
#37
Ethyl Acetate
Concen: 19.753 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	10.6	11.0	16.4#
70	9.7	8.2	12.2

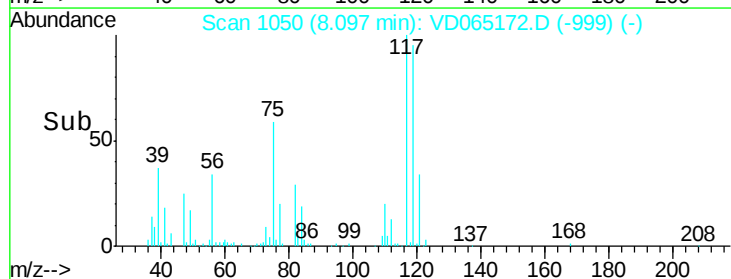
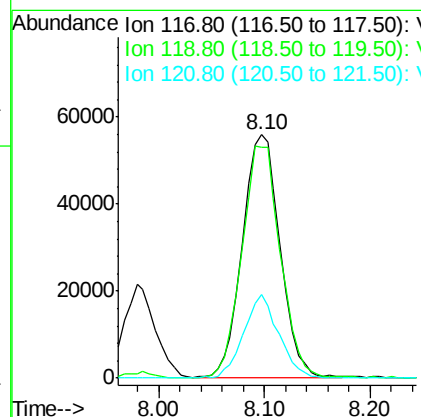
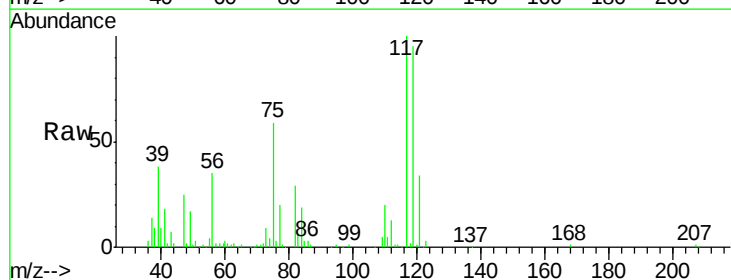
Manual Integrations
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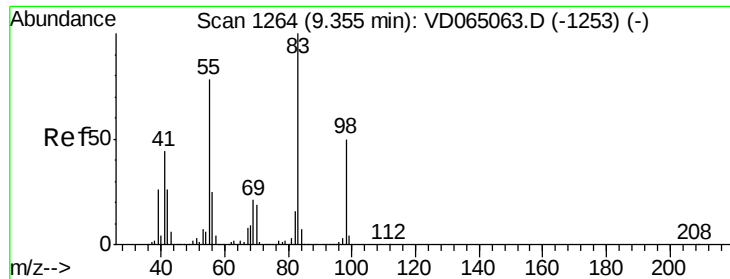
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#38
Carbon Tetrachloride
Concen: 20.348 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	78.5	117.7
121	34.3	23.8	35.6





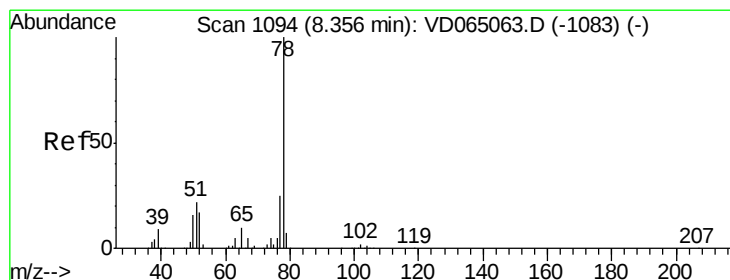
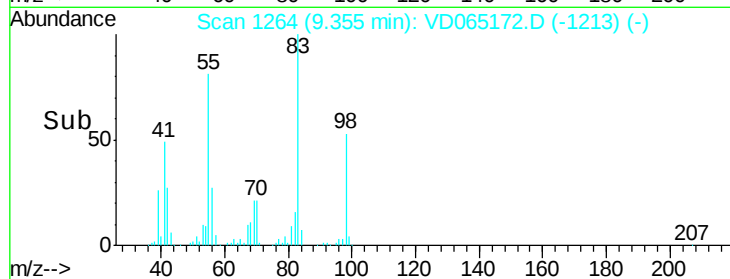
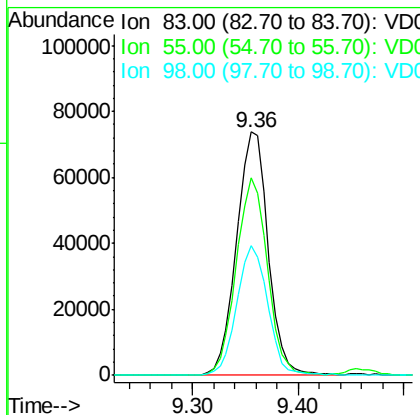
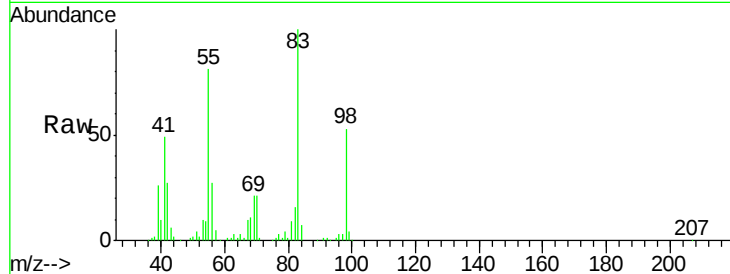
#39
Methvlcvclohexane
Concen: 18.752 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	81.4	62.0	93.0
98	53.2	39.9	59.9

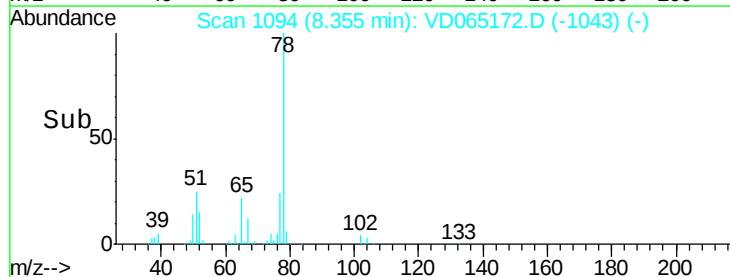
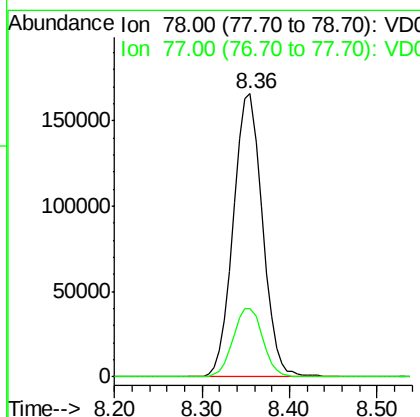
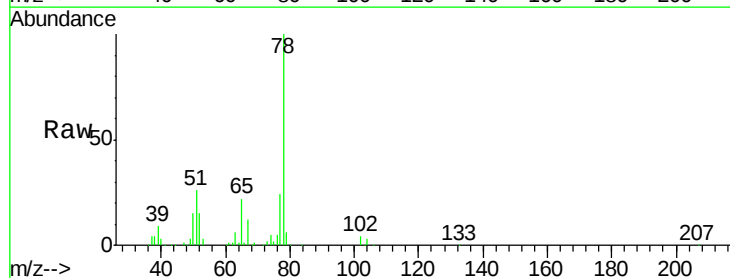
Manual Integrations
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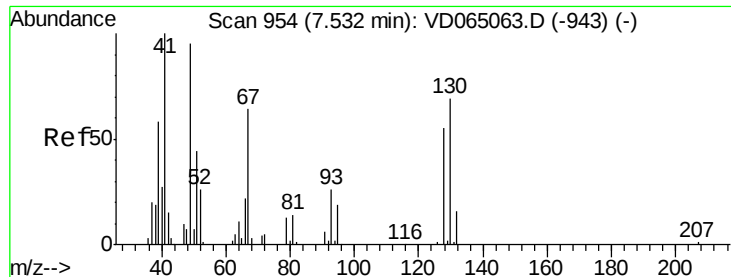
MMDadoda
2/14/2020 4:17:50 PM



#40
Benzene
Concen: 20.494 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.6	29.4





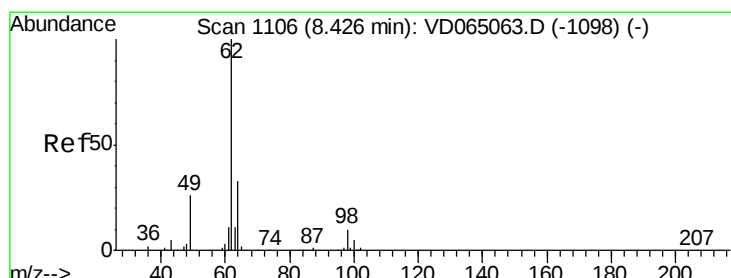
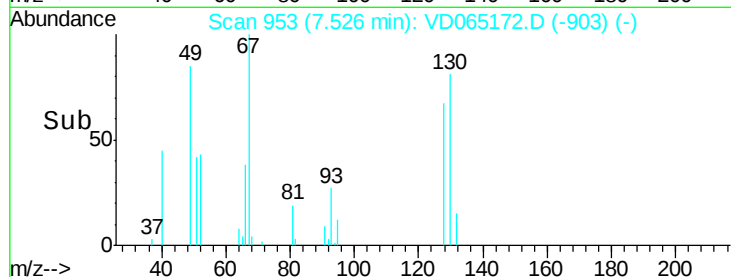
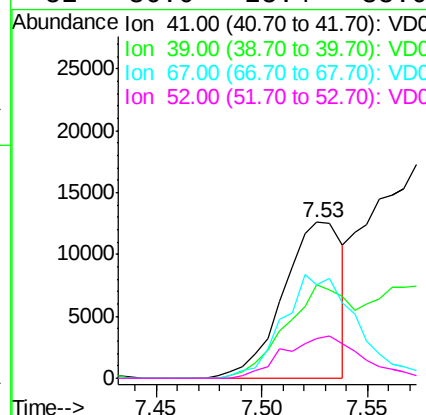
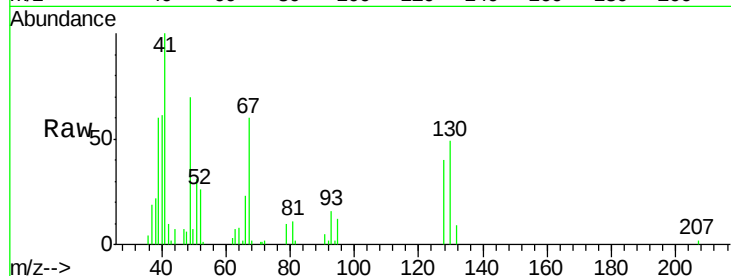
#41
Methacrylonitrile
Concen: 16.471 ug/l
RT: 7.53 min Scan# 953
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	65.3	55.4	83.0	
67	83.8	59.0	88.6	
52	36.0	25.4	38.0	

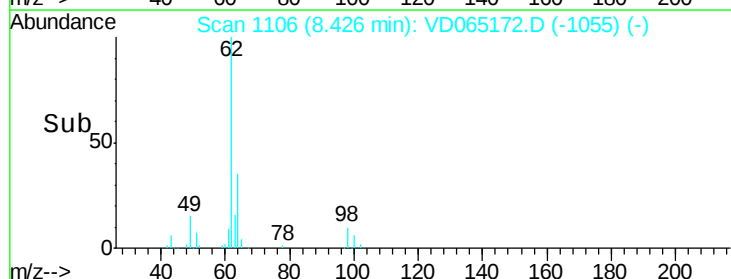
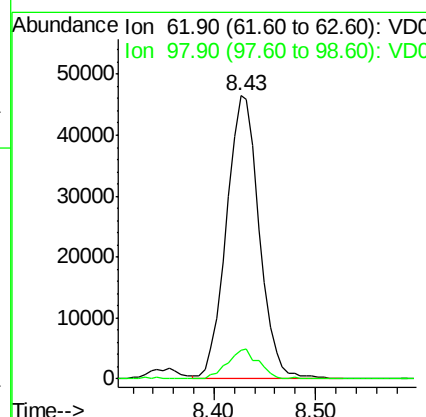
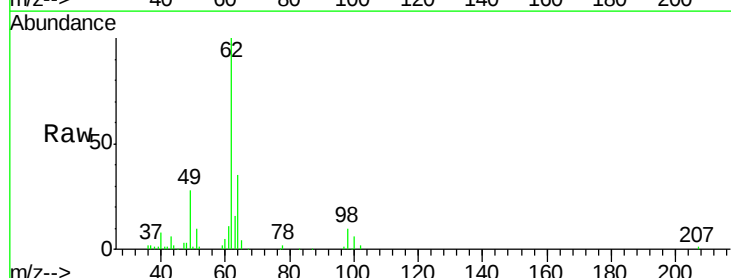
Manual Integrations
APPROVED

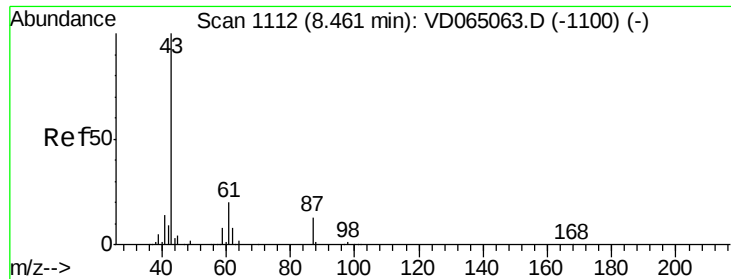
MMDadoda
2/14/2020 4:17:50 PM



#42
1,2-Dichloroethane
Concen: 20.029 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	9.9	0.0	18.6	





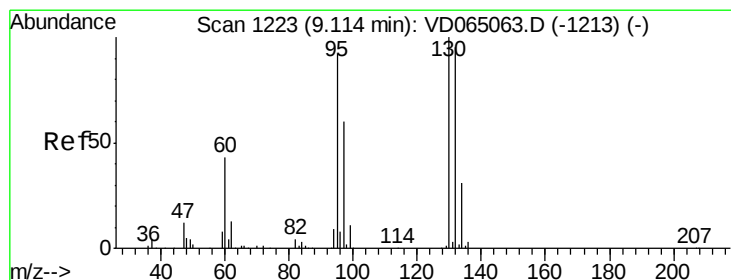
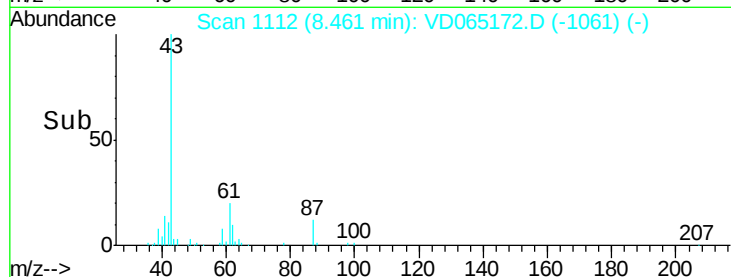
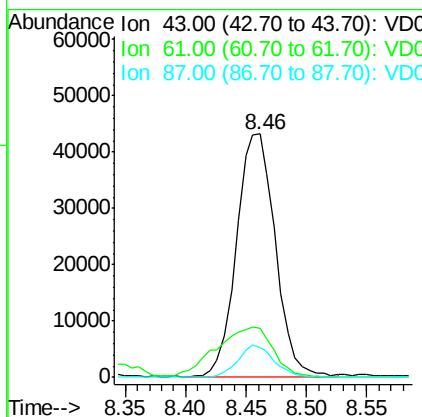
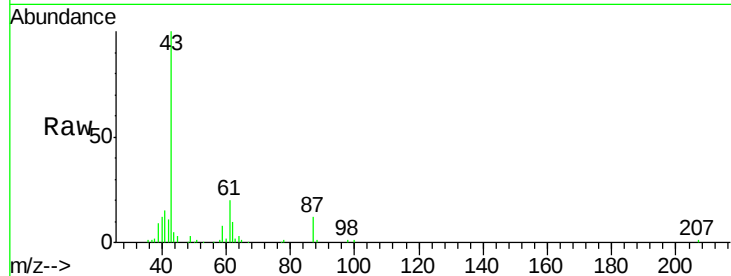
#43
Isopropyl Acetate
Concen: 18.822 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.1	24.0	36.0
87	12.3	10.2	15.4

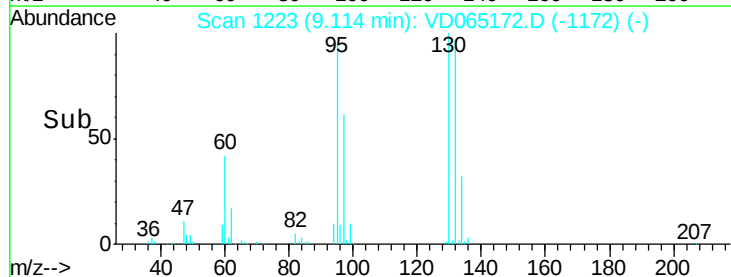
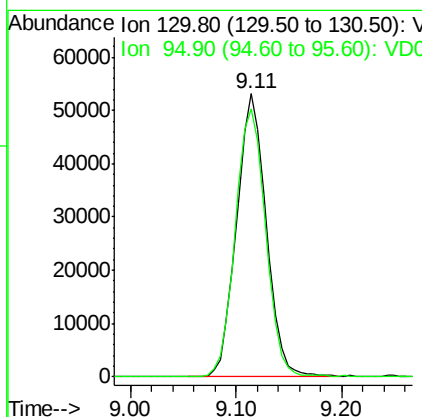
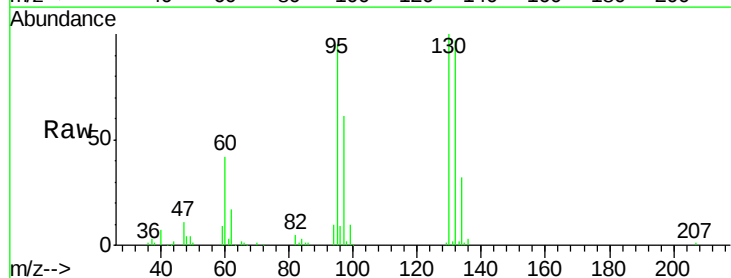
Manual Integrations
APPROVED

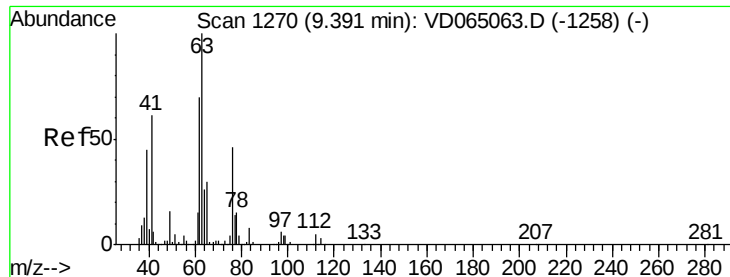
MMDadoda
2/14/2020 4:17:50 PM



#44
Trichloroethene
Concen: 19.697 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.8	0.0	185.0





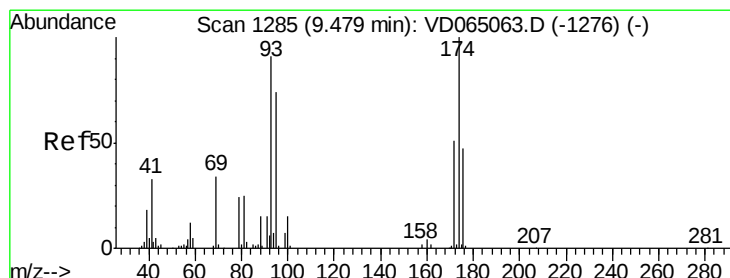
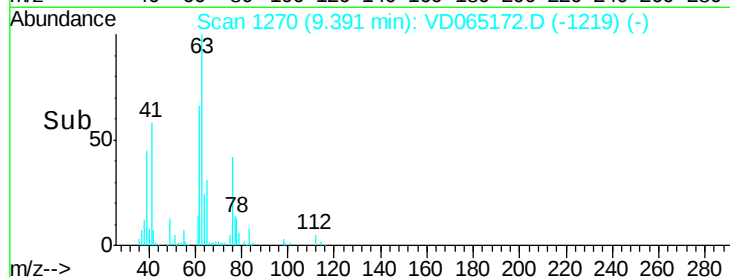
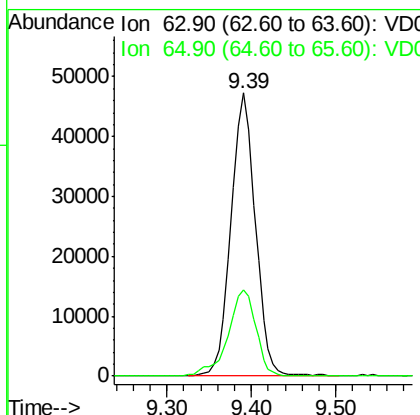
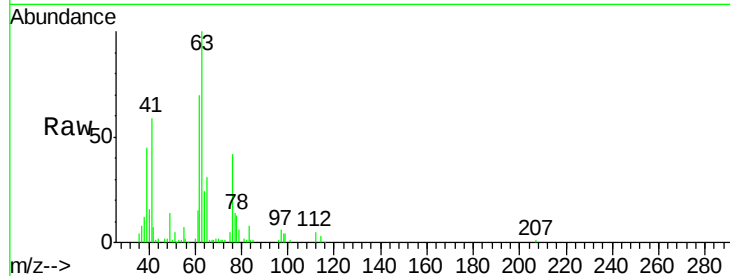
#45
 1,2-Dichloropropane
 Concen: 21.410 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.6	23.9	35.9

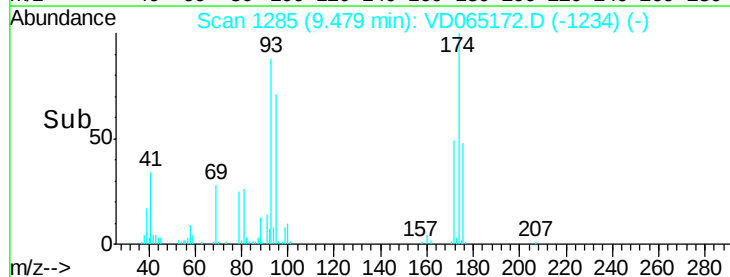
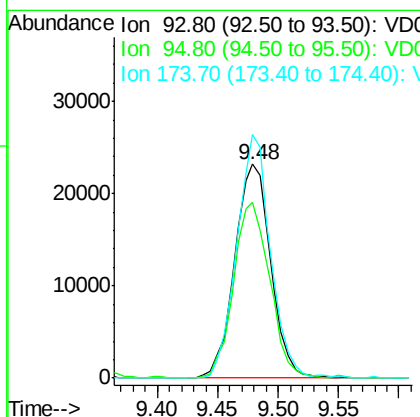
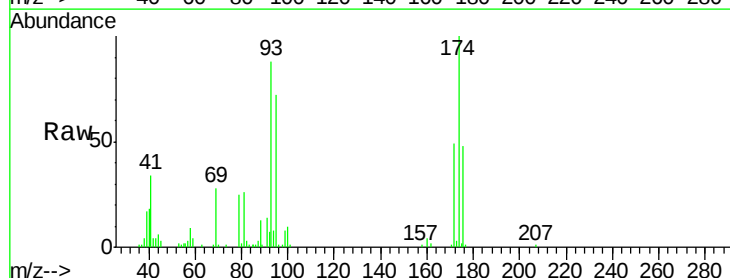
Manual Integrations
 APPROVED

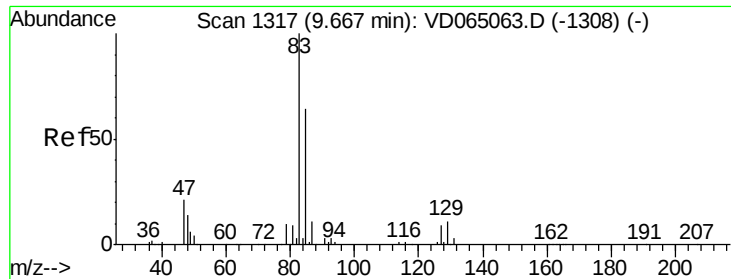
MMDadoda
 2/14/2020 4:17:50 PM



#46
 Dibromomethane
 Concen: 20.933 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.3	66.5	99.7
174	107.0	89.8	134.8





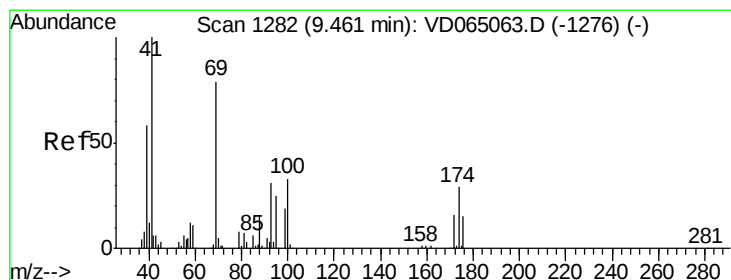
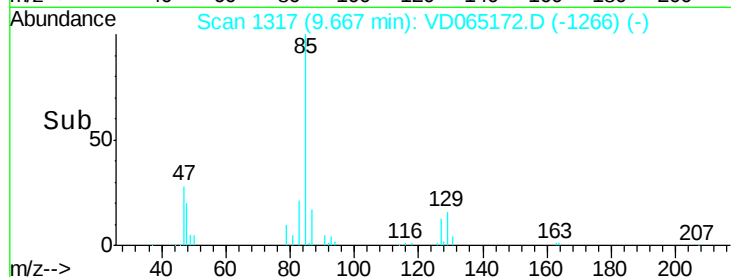
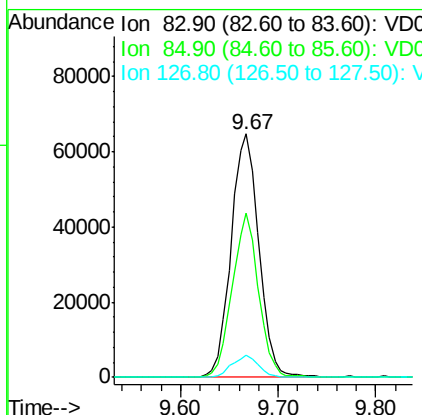
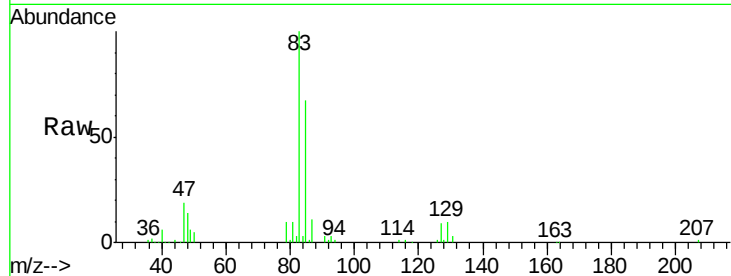
#47
Bromodichloromethane
Concen: 20.992 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	127381		
85	67.3	51.0	76.6	
127	8.9	7.3	10.9	

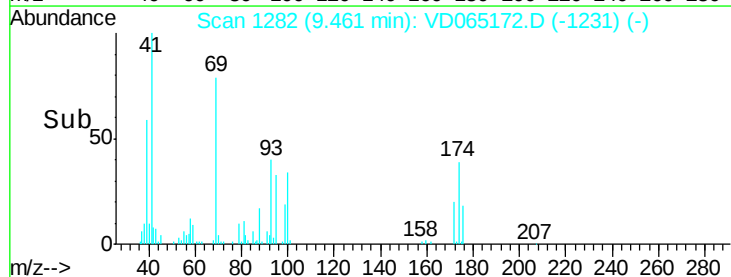
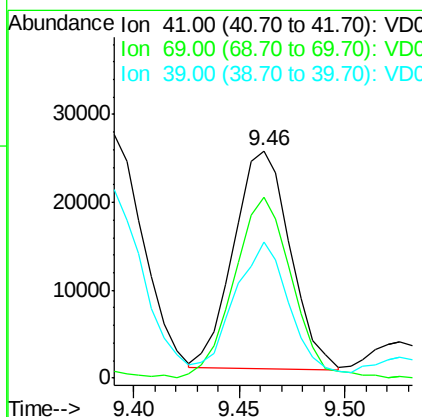
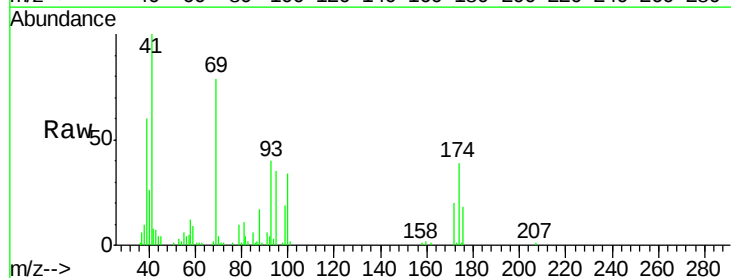
Manual Integrations
APPROVED

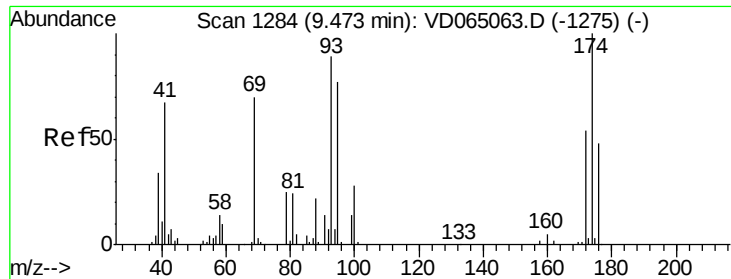
MMDadoda
2/14/2020 4:17:50 PM



#48
Methyl methacrylate
Concen: 18.458 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	45945		
69	85.1	67.5	101.3	
39	57.1	47.0	70.4	





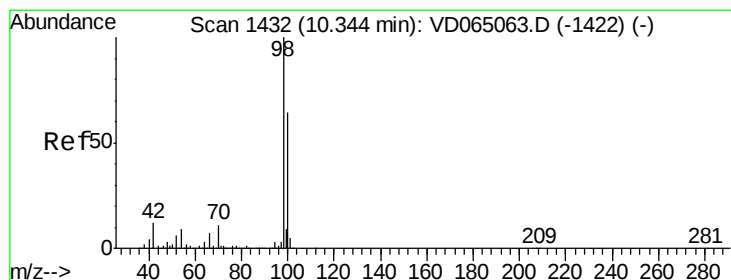
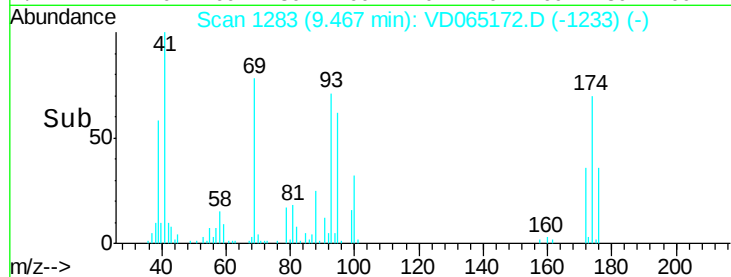
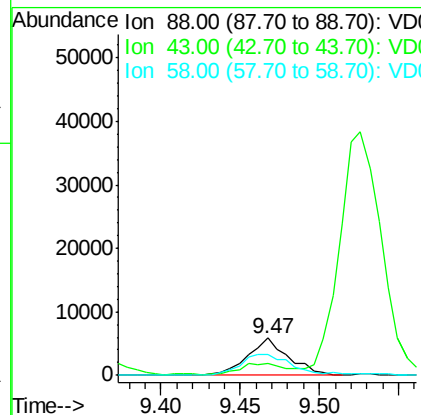
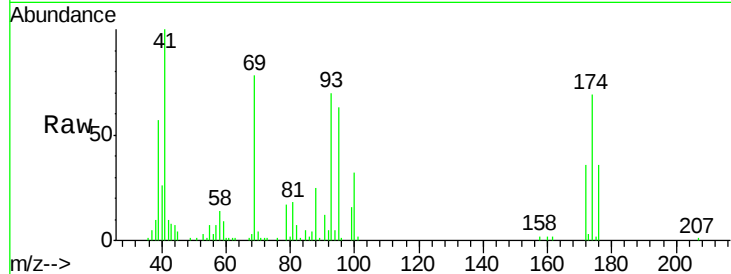
#49
1,4-Dioxane
Concen: 385.826 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	88	Resp	10524
Ion Ratio	Lower	Upper	
88	100		
43	37.0	27.7	41.5
58	71.9	55.5	83.3

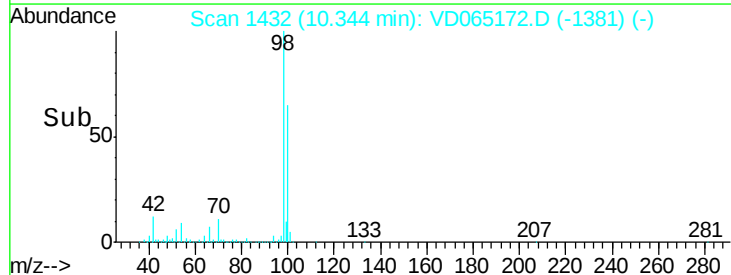
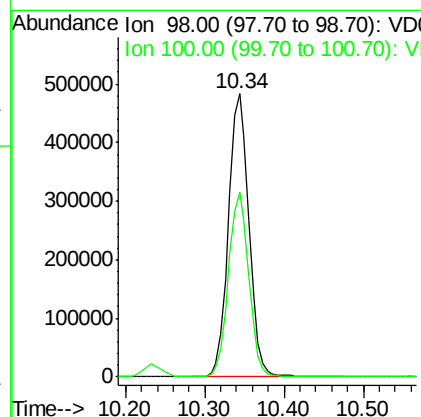
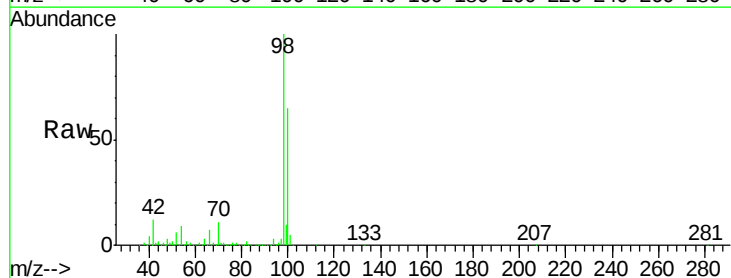
Manual Integrations
APPROVED

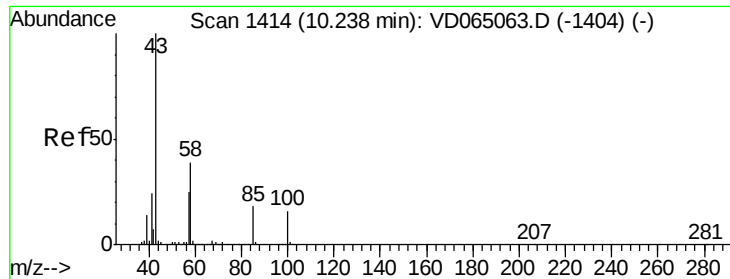
MMDadoda
2/14/2020 4:17:50 PM



#50
Toluene-d8
Concen: 54.624 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	98	Resp	863529
Ion Ratio	Lower	Upper	
98	100		
100	64.8	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 97.663 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 43 Resp: 248670

Ion Ratio Lower Upper

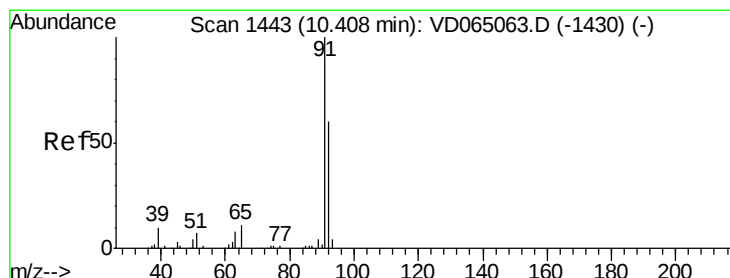
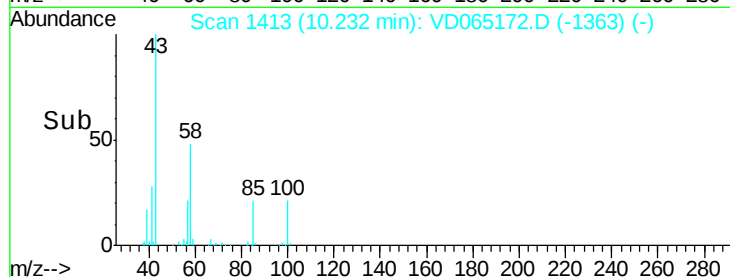
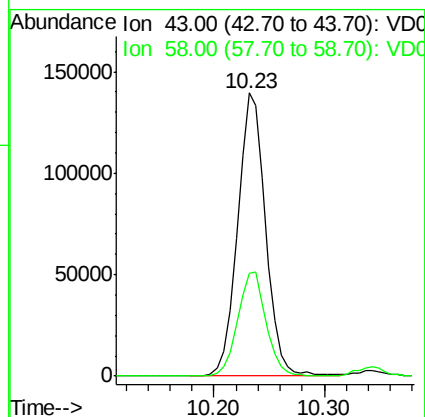
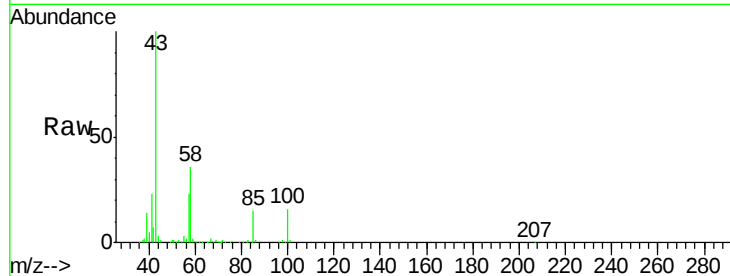
43 100

58 37.3 30.2 45.2

Manual Integrations
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MMDadoda

2/14/2020 4:17:50 PM



#52

Toluene

Concen: 20.957 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065172.D

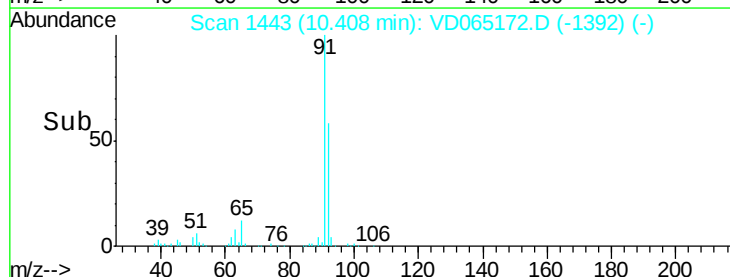
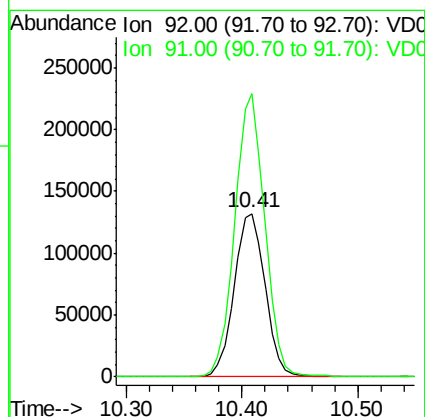
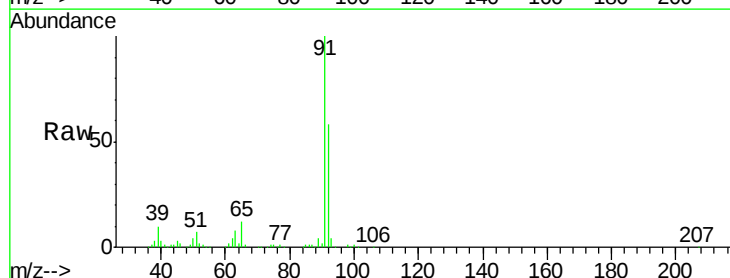
Acq: 13 Feb 2020 11:21

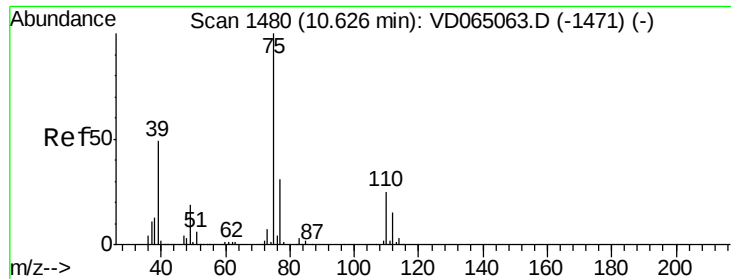
Tgt Ion: 92 Resp: 244496

Ion Ratio Lower Upper

92 100

91 168.0 135.3 202.9





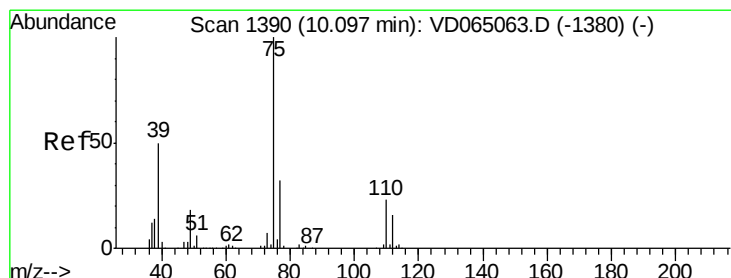
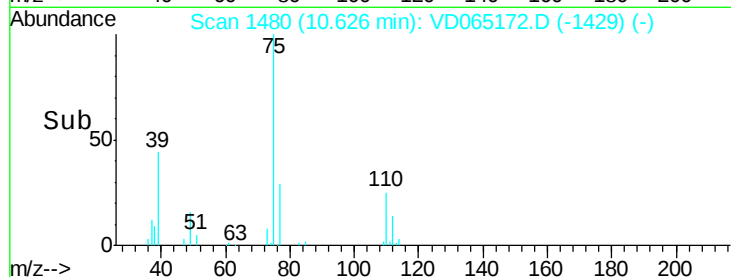
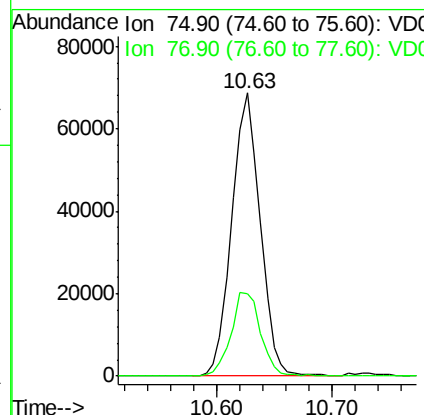
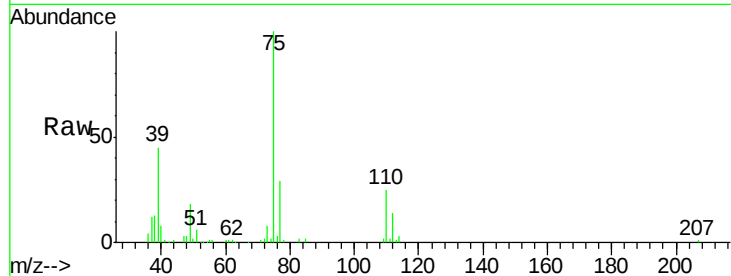
#53
t-1,3-Dichloropropene
Concen: 19.908 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.0	24.9	37.3

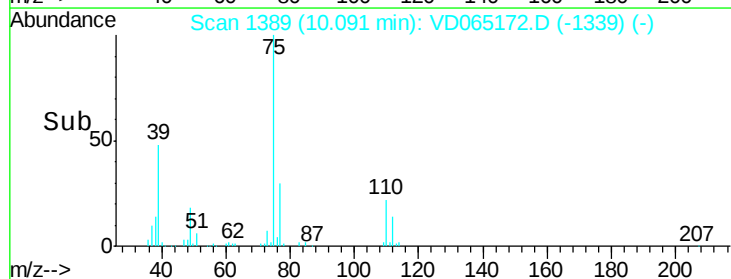
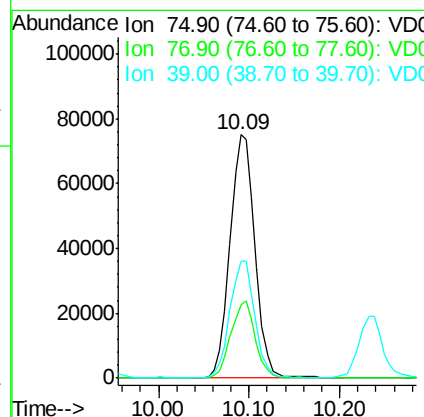
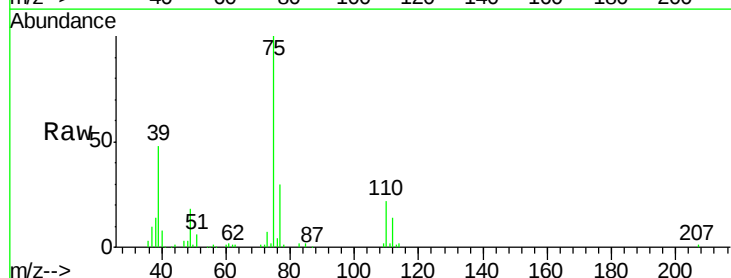
Manual Integrations
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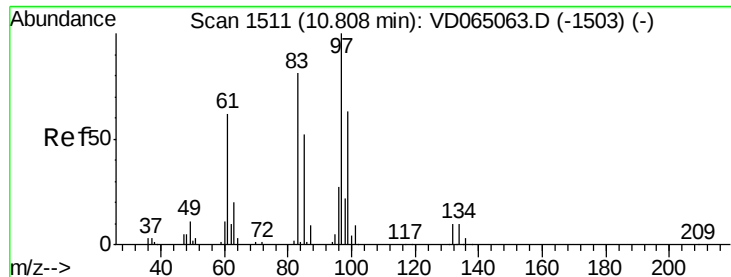
MMDadoda
2/14/2020 4:17:50 PM



#54
cis-1,3-Dichloropropene
Concen: 20.331 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.3	37.9
39	48.3	40.3	60.5





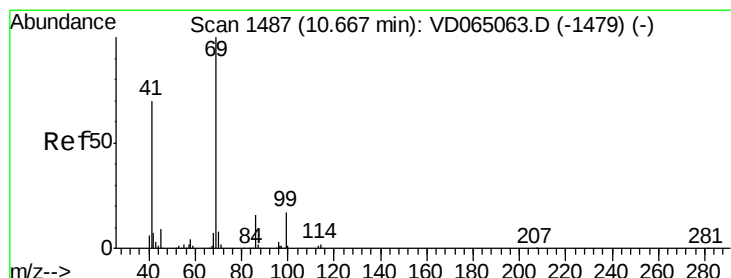
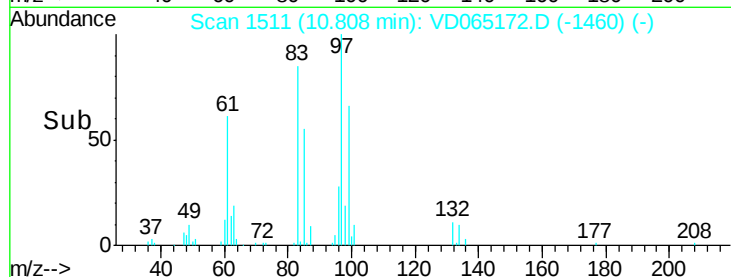
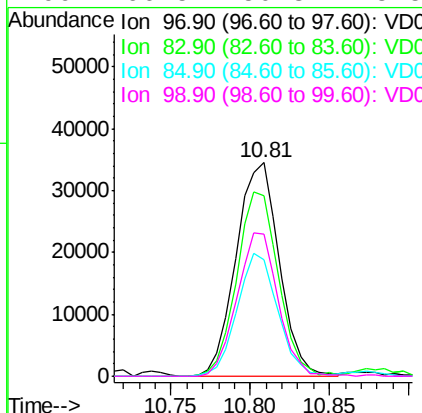
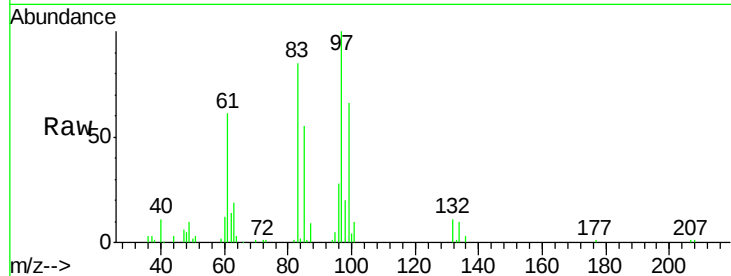
#55
 1,1,2-Trichloroethane
 Concen: 20.667 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	97	Resp	65282
Ion	Ratio	Lower	Upper
97	100		
83	84.5	64.8	97.2
85	54.6	41.2	61.8
99	66.5	50.3	75.5

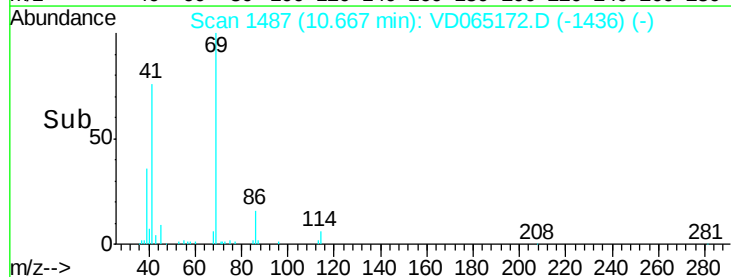
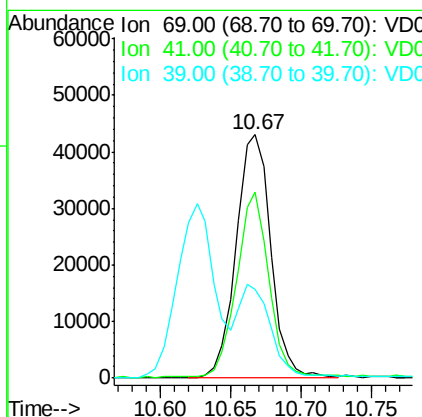
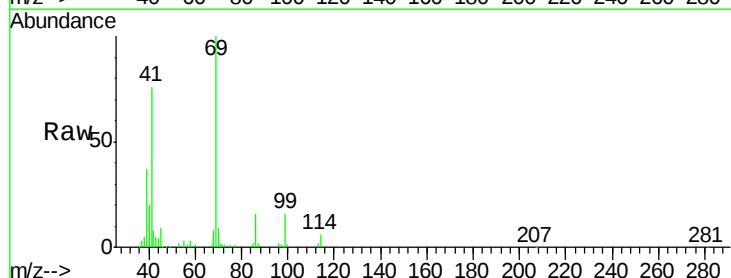
Manual Integrations
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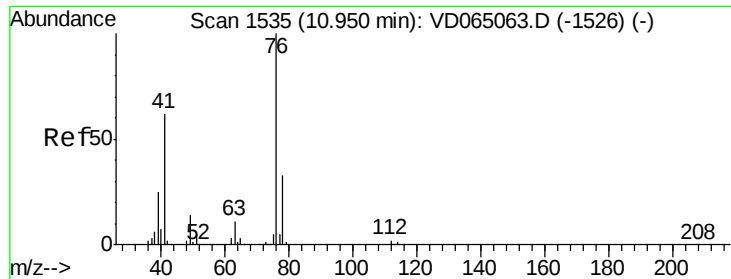
MMDadoda
 2/14/2020 4:17:50 PM



#56
 Ethyl methacrylate
 Concen: 18.549 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	69	Resp	74137
Ion	Ratio	Lower	Upper
69	100		
41	72.9	55.9	83.9
39	34.0	29.4	44.0





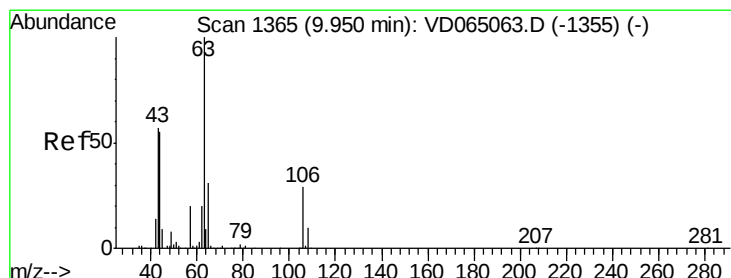
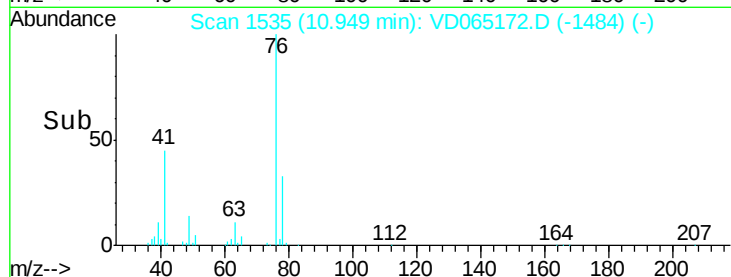
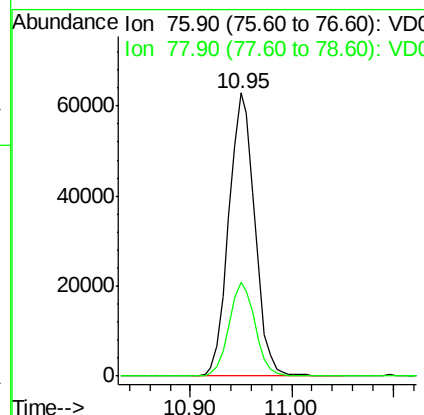
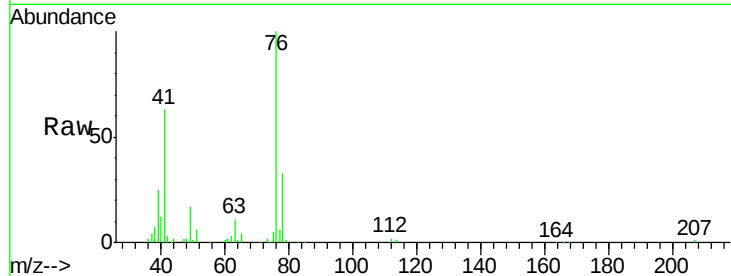
#57
 1,3-Dichloropropane
 Concen: 20.139 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion: 76 Resp: 111863
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.8 38.6

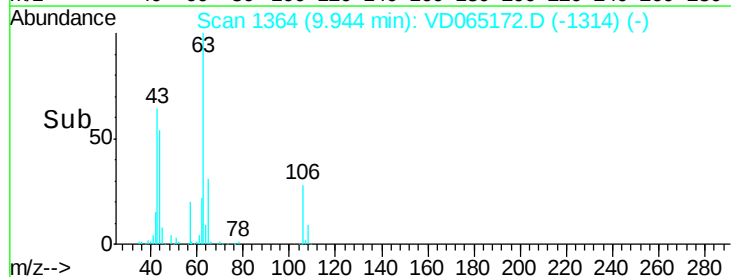
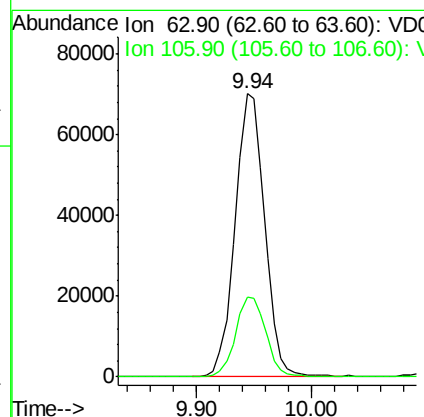
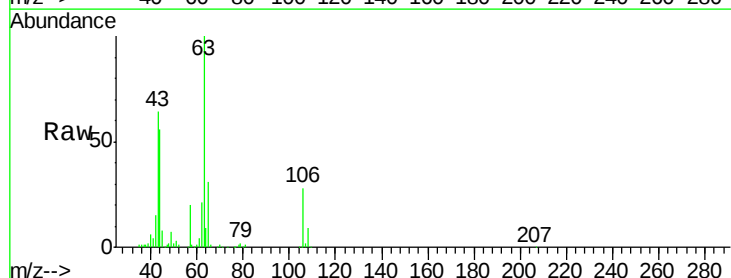
Manual Integrations
 APPROVED

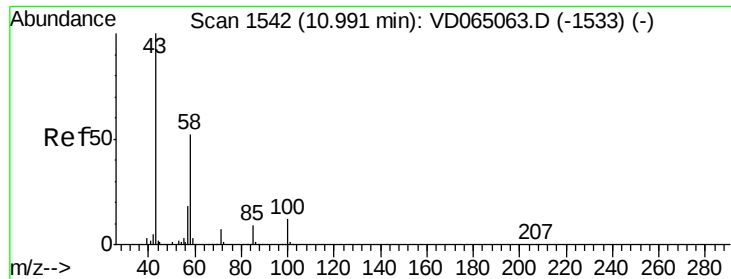
MMDadoda
 2/14/2020 4:17:50 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 83.768 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion: 63 Resp: 124494
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.3 34.9





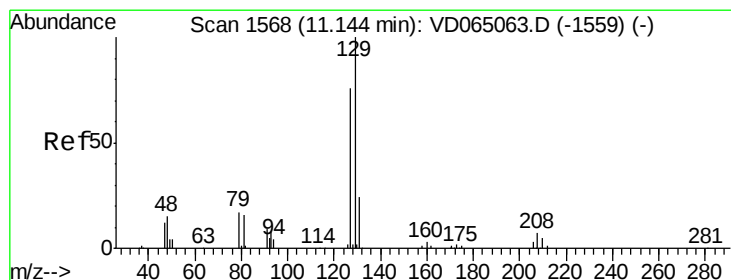
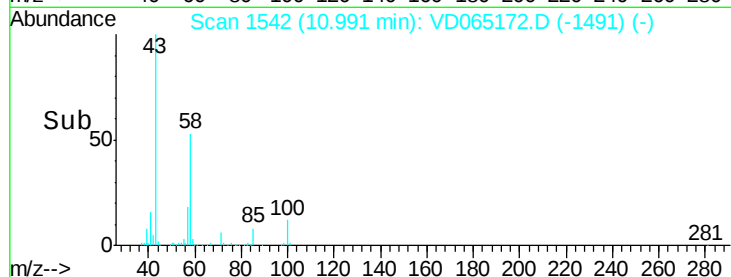
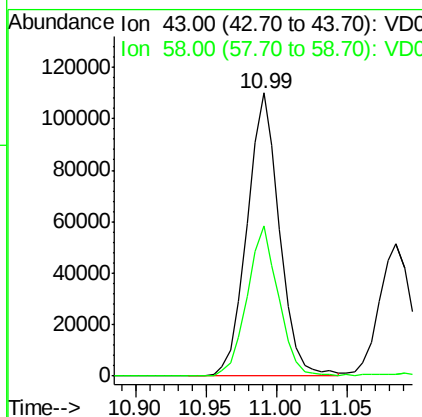
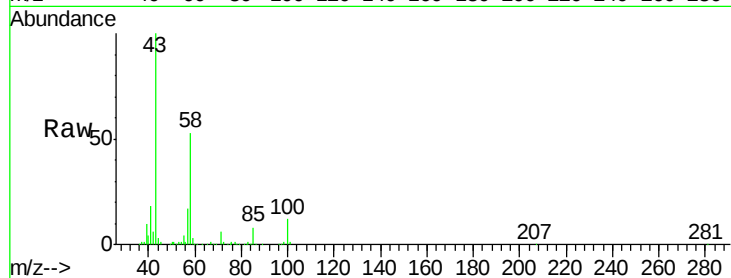
#59
2-Hexanone
Concen: 97.940 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion: 43 Resp: 176638
Ion Ratio Lower Upper
43 100
58 51.4 26.2 78.6

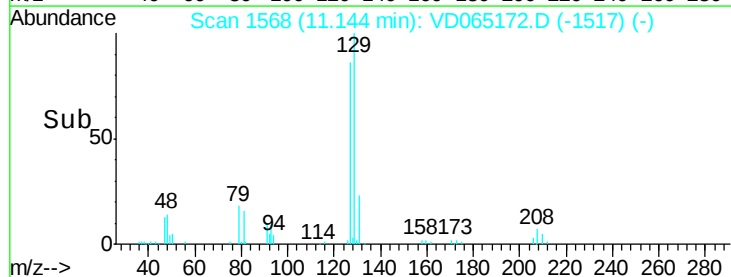
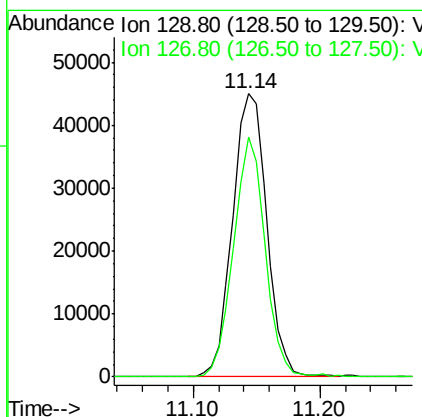
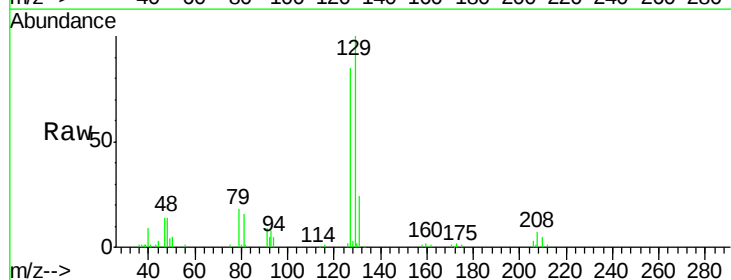
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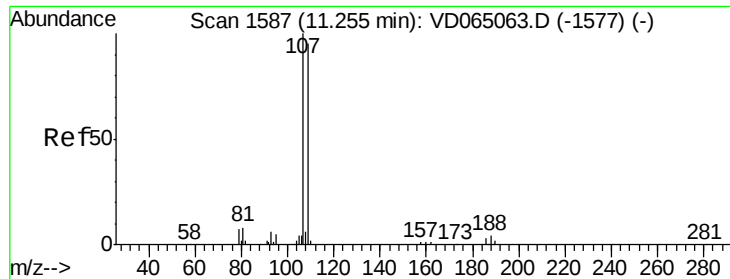
MMDadoda
2/14/2020 4:17:50 PM



#60
Dibromochloromethane
Concen: 20.533 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion: 129 Resp: 84008
Ion Ratio Lower Upper
129 100
127 78.4 38.3 114.9





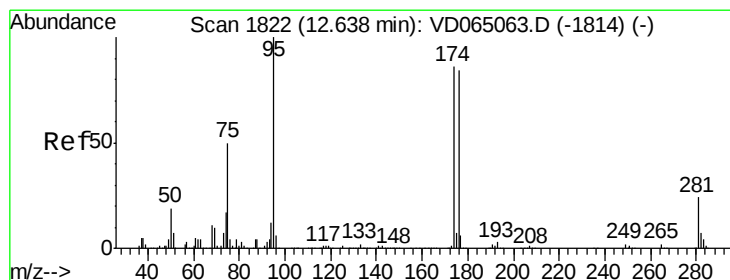
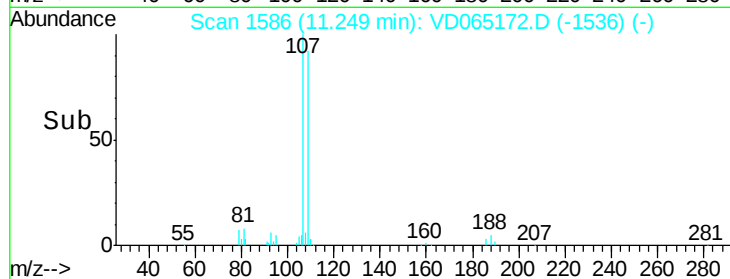
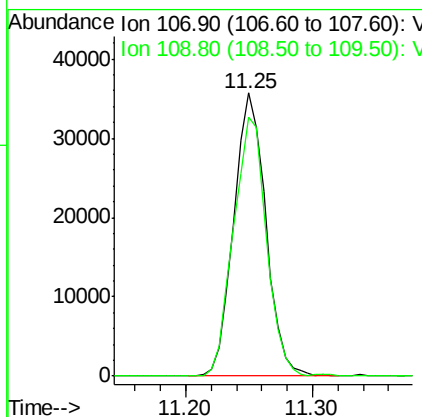
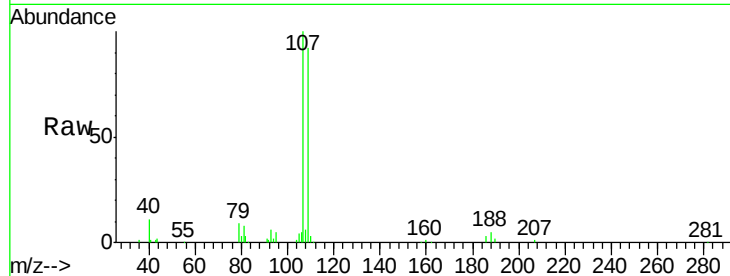
#61
 1,2-Dibromoethane
 Concen: 20.234 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.5	113.3

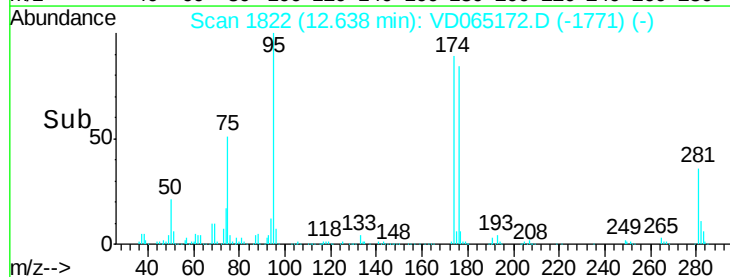
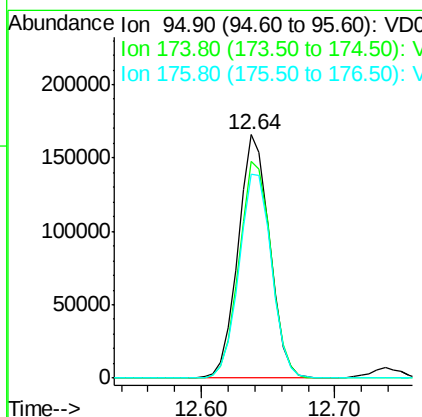
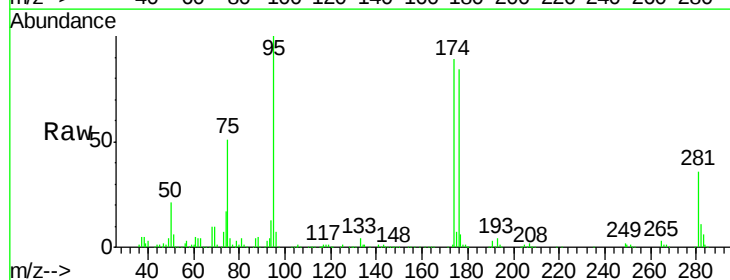
Manual Integrations
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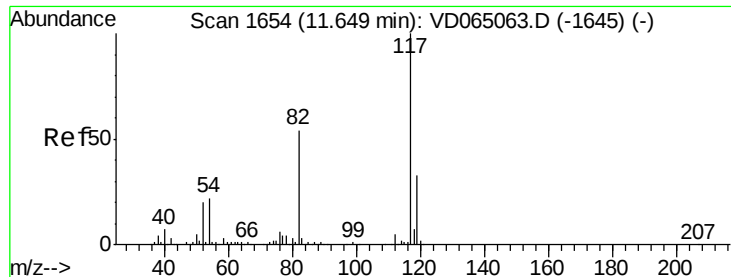
MMDadoda
 2/14/2020 4:17:50 PM



#62
 4-Bromofluorobenzene
 Concen: 53.918 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.4	0.0	180.0
176	86.5	0.0	173.2





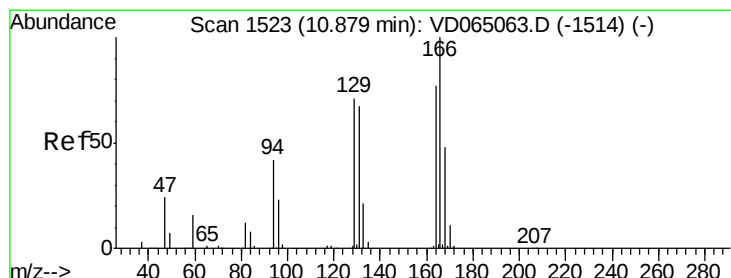
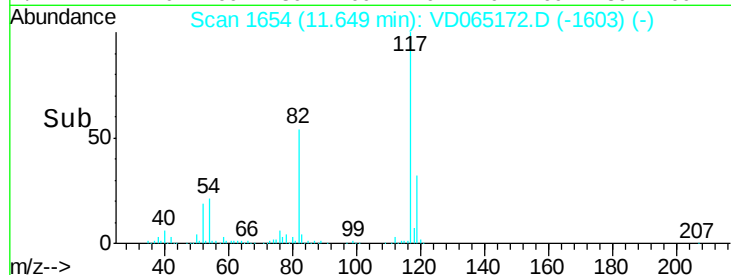
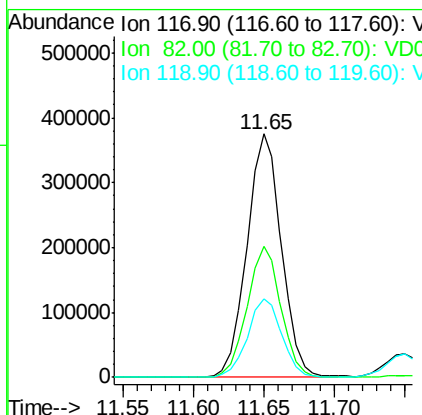
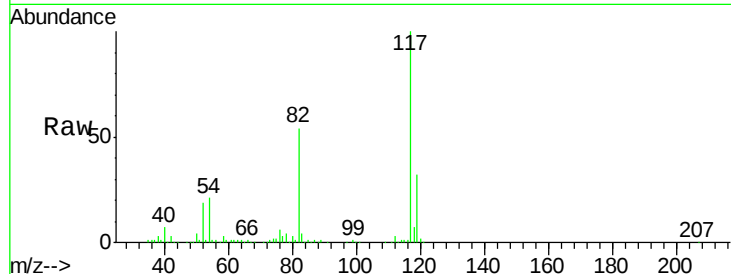
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	641740		
82	53.6	43.1	64.7	
119	32.4	26.0	39.0	

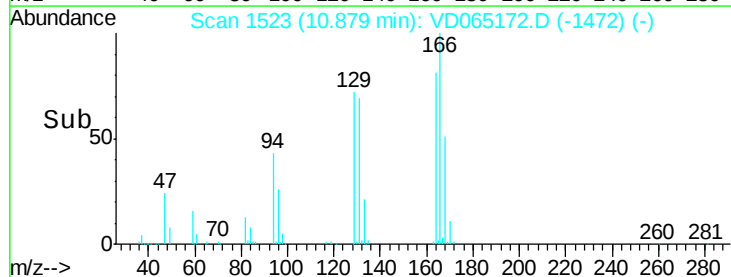
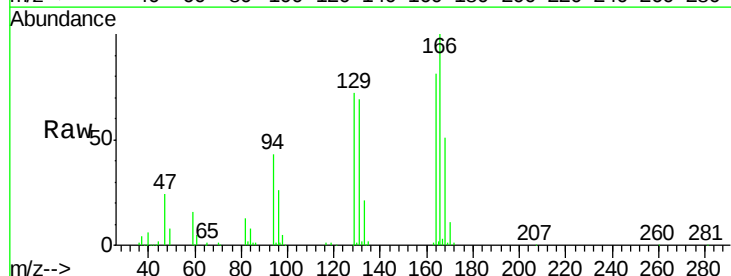
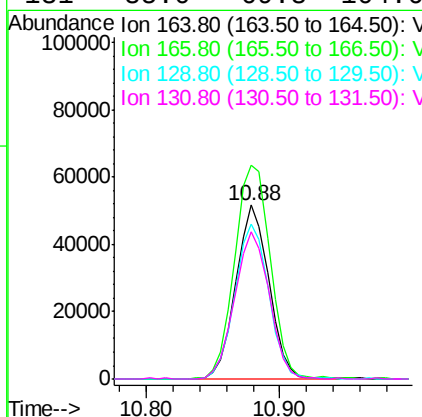
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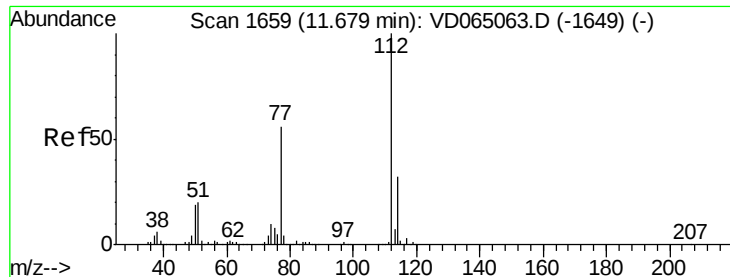
MMDadoda
2/14/2020 4:17:50 PM



#64
Tetrachloroethene
Concen: 19.240 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	88721		
166	123.0	103.5	155.3	
129	88.9	73.3	109.9	
131	85.0	69.8	104.6	





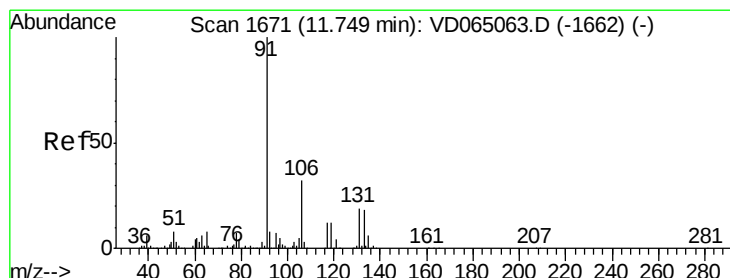
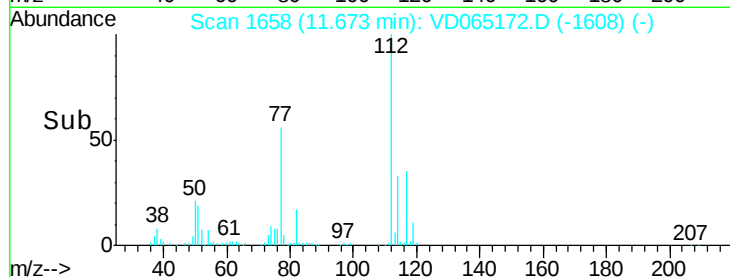
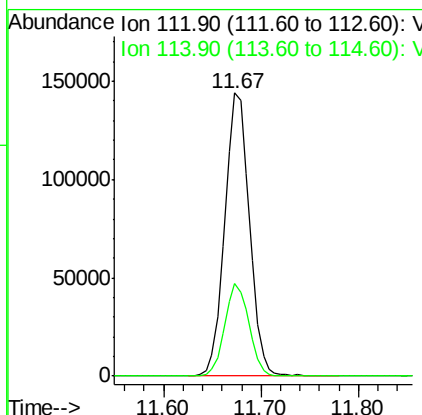
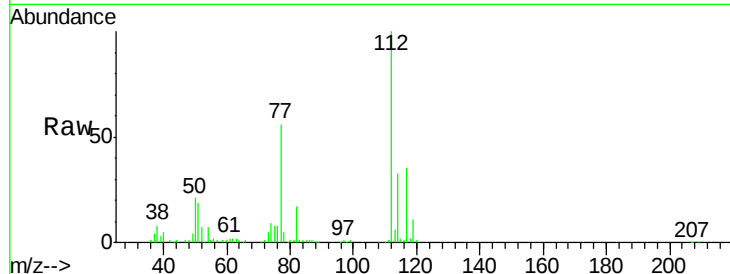
#65
Chlorobenzene
Concen: 20.326 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.4	38.0

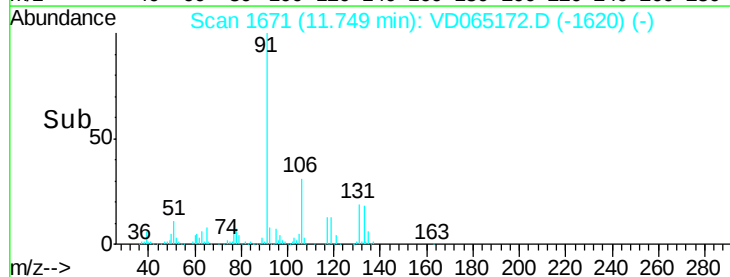
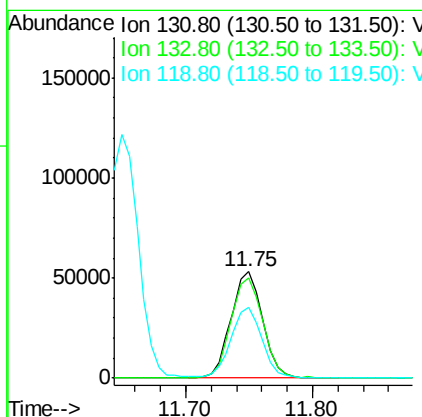
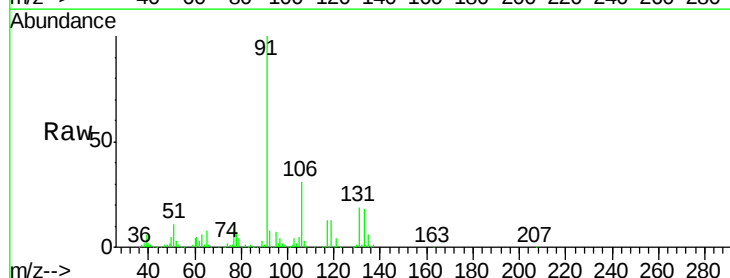
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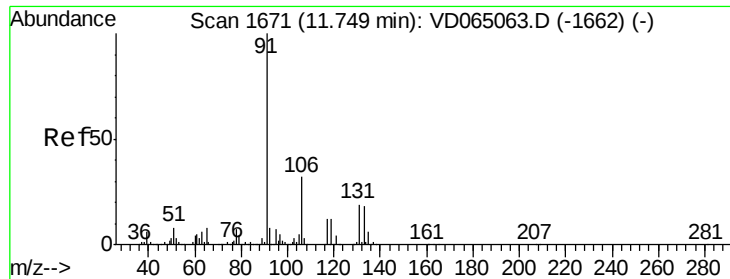
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.041 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	47.7	143.1
119	65.2	31.3	93.8





#67

Ethyl Benzene

Concen: 19.875 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 91 Resp: 448203

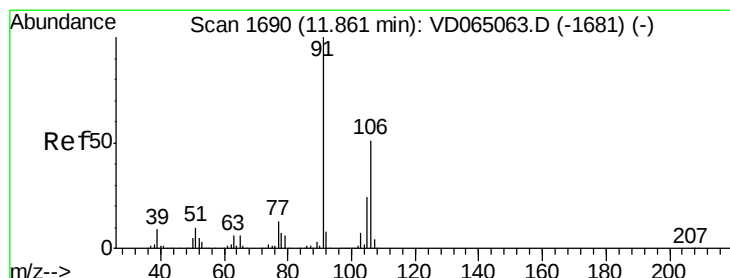
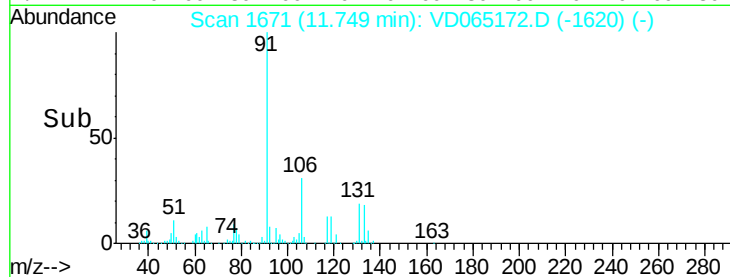
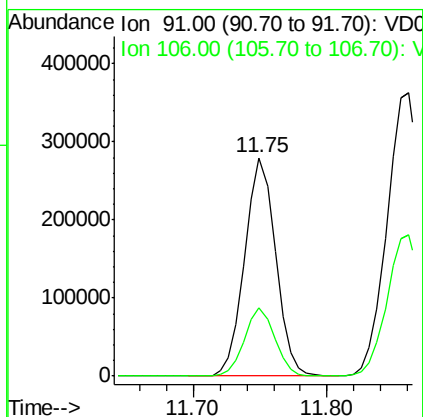
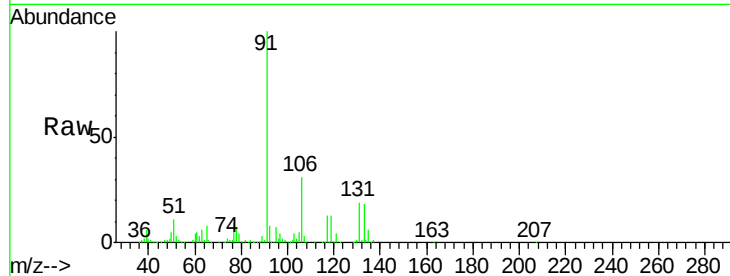
Ion Ratio Lower Upper

91 100

106 31.2 25.4 38.2

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#68

m/p-Xylenes

Concen: 39.783 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065172.D

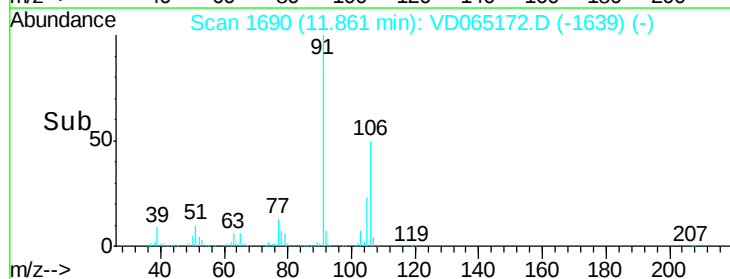
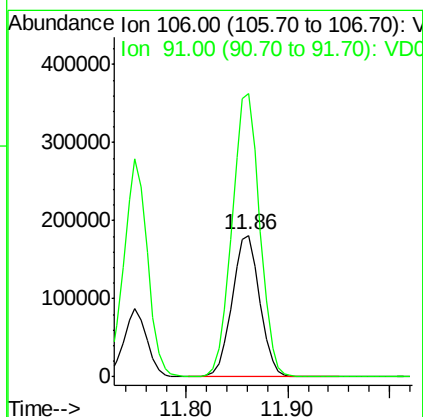
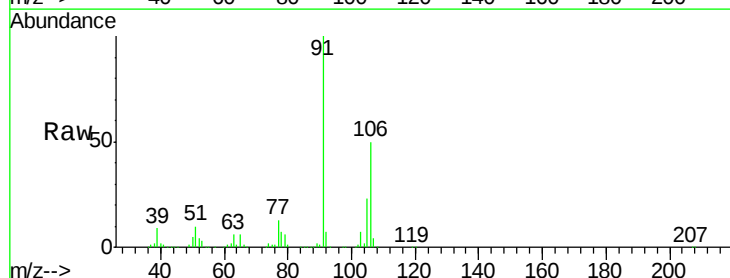
Acq: 13 Feb 2020 11:21

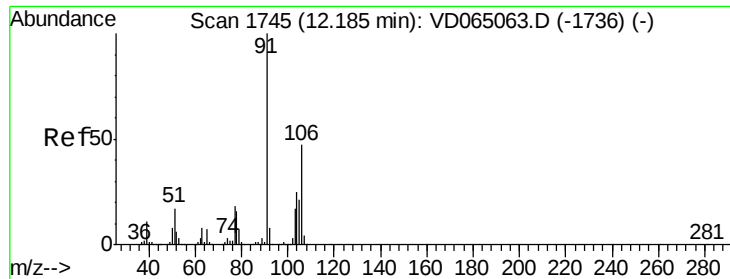
Tgt Ion: 106 Resp: 342414

Ion Ratio Lower Upper

106 100

91 200.5 158.9 238.3





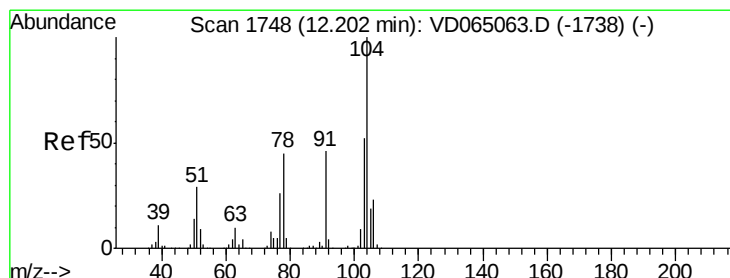
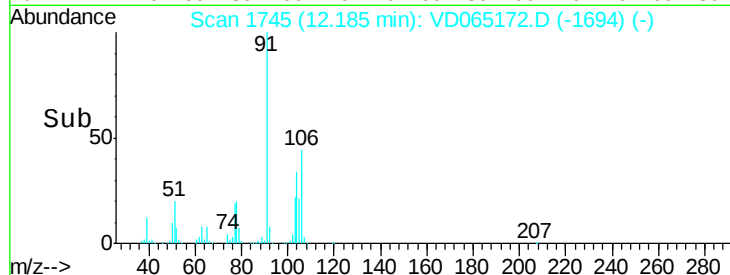
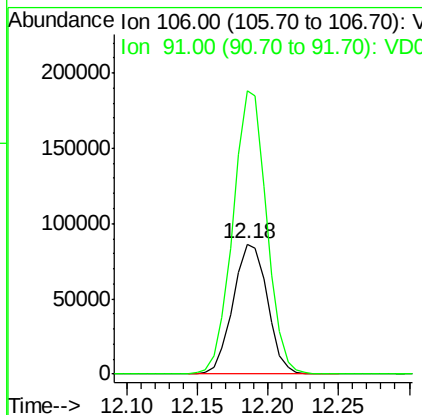
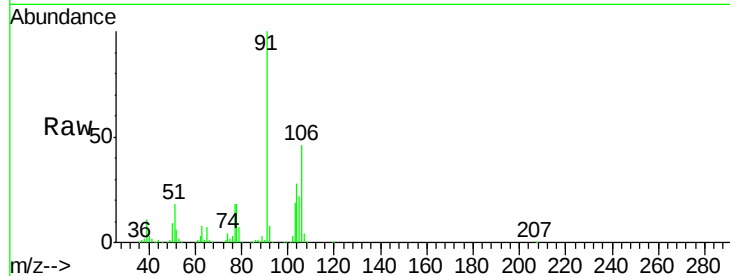
#69
o-Xylene
Concen: 19.054 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.7	104.7	313.9	

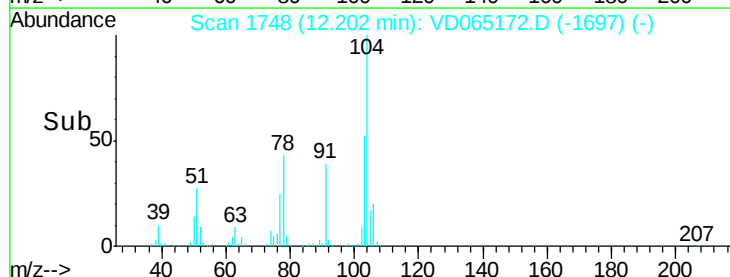
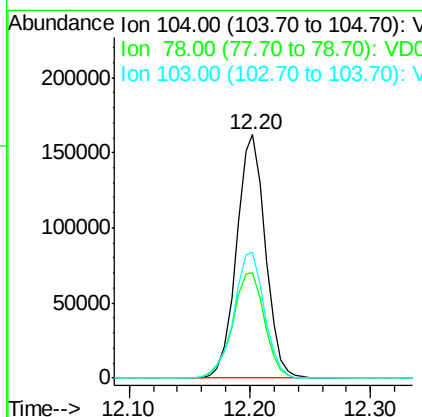
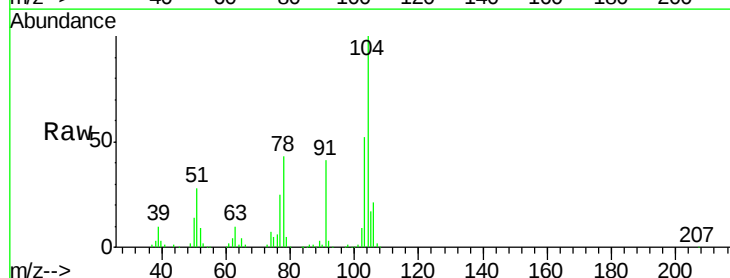
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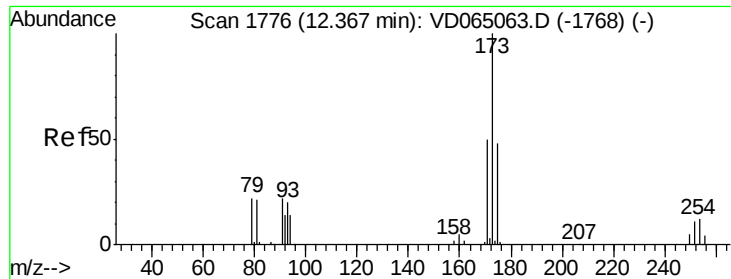
MMDadoda
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#70
Styrene
Concen: 20.020 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	48.1	38.5	57.7	
103	54.9	43.8	65.8	





#71

Bromoform

Concen: 20.795 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

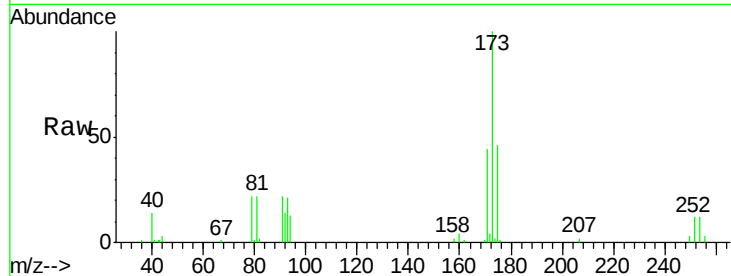
ClientSampleId :

VD0213SBS01

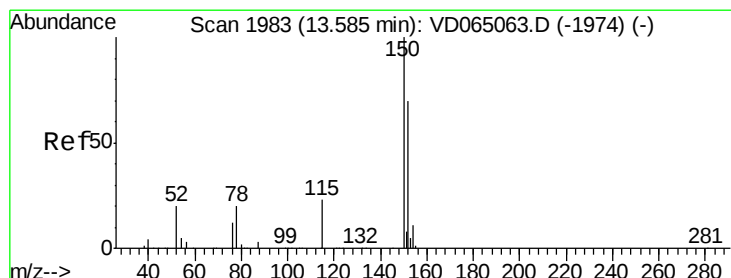
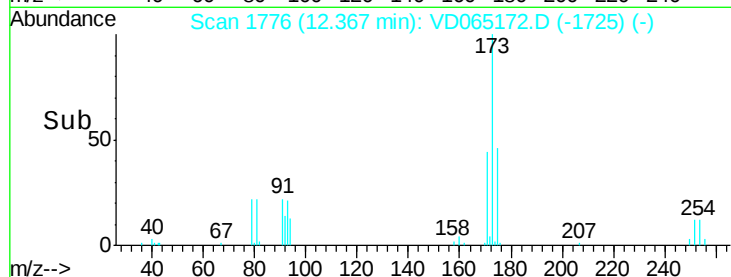
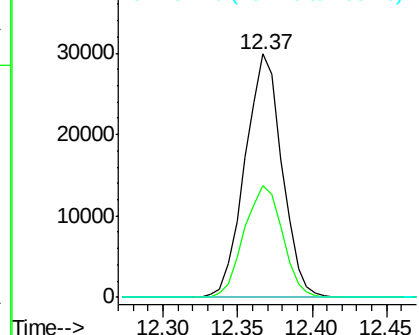
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.5	24.3	72.8
254	0.0	0.1	0.1#

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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

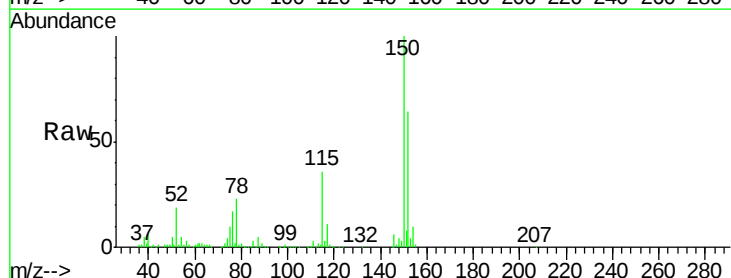
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

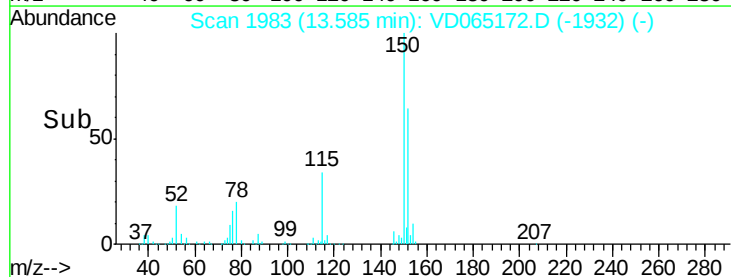
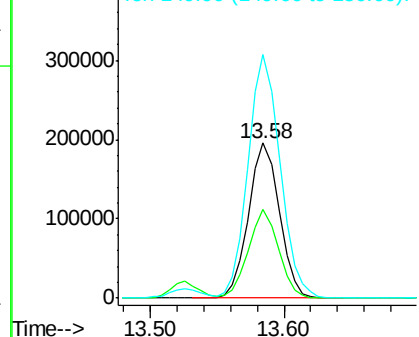
Lab File: VD065172.D

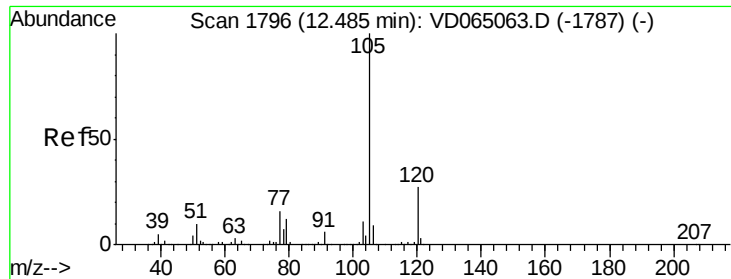
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	27.5	82.4
150	163.5	0.0	343.2



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: 19.369 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 105 Resp: 413689

Ion Ratio Lower Upper

105 100

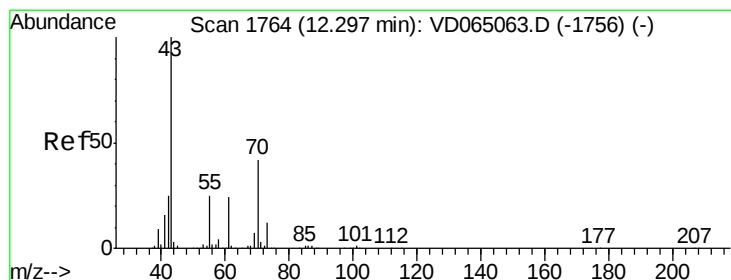
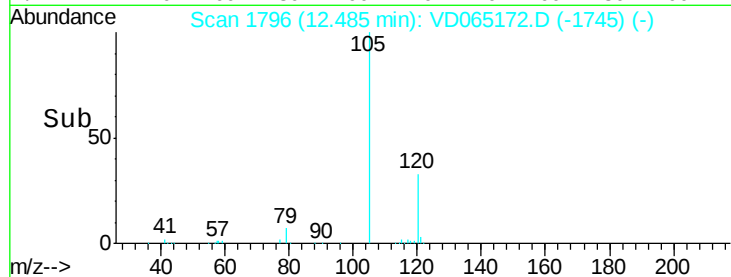
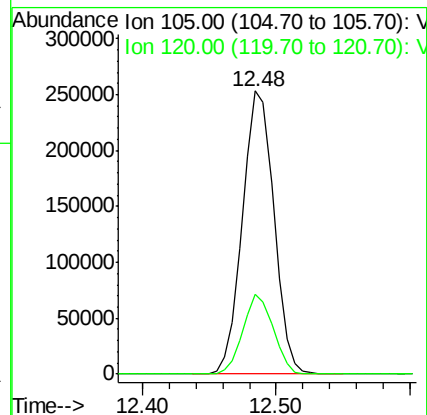
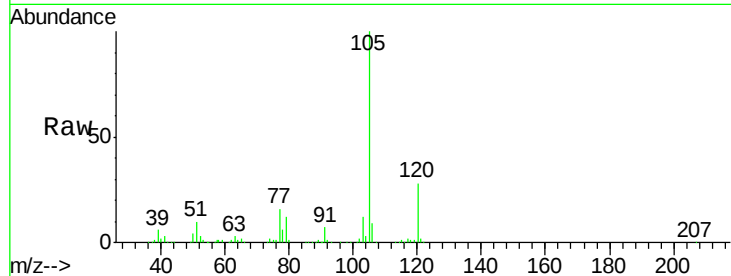
120 27.1 13.3 39.9

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#74

N-ethyl acetate

Concen: 18.252 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion: 43 Resp: 84729

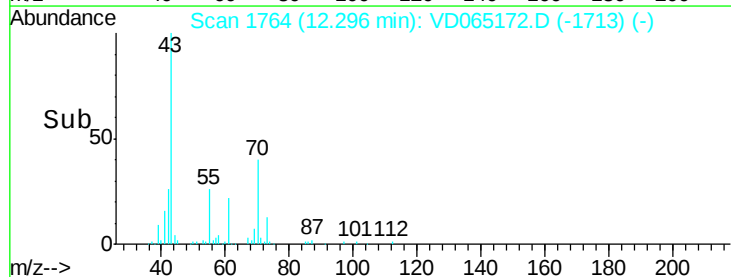
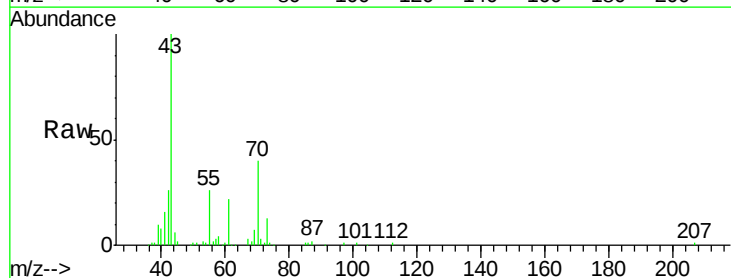
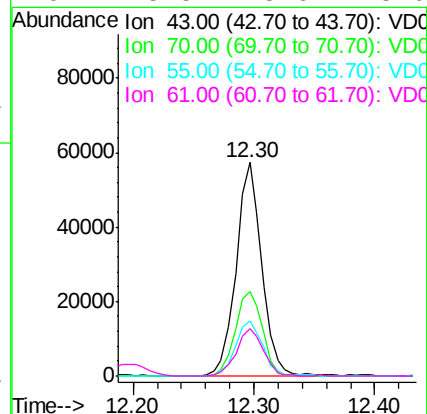
Ion Ratio Lower Upper

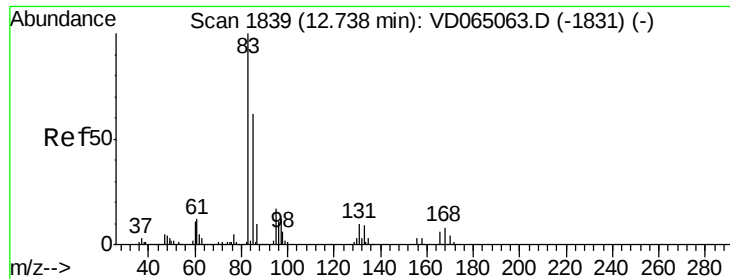
43 100

70 41.9 33.5 50.3

55 27.7 19.4 29.2

61 23.5 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.869 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

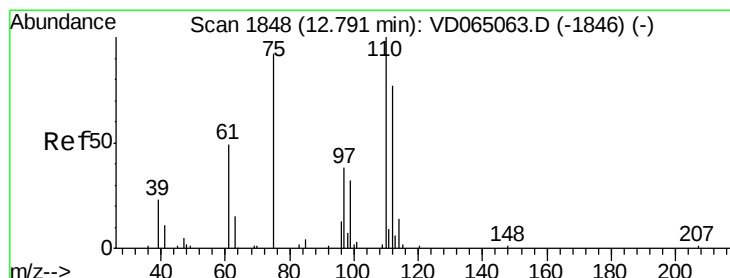
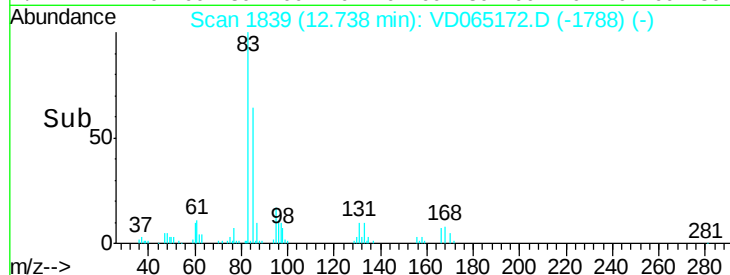
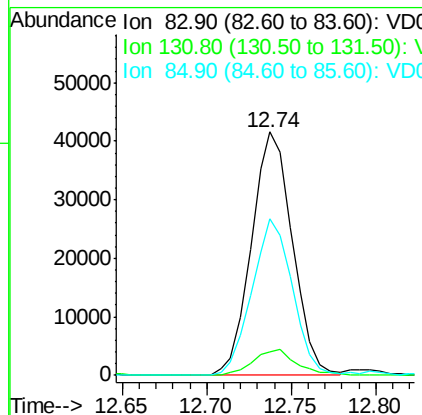
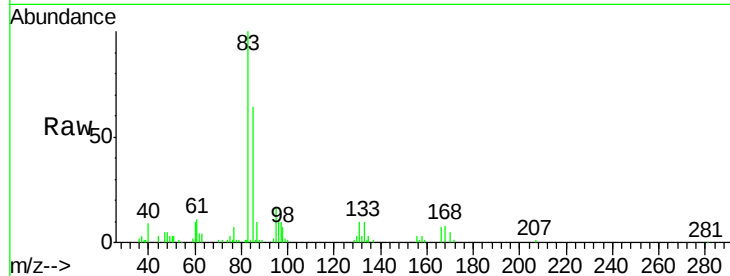
ClientSampleId :

VD0213SBS01

Tot Ion:	83	Resp:	70149
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.4
85	63.3	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 20.256 ug/l m

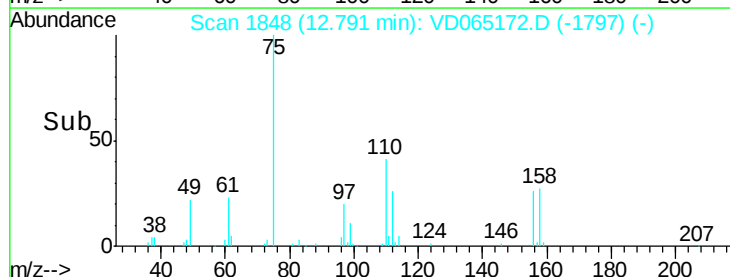
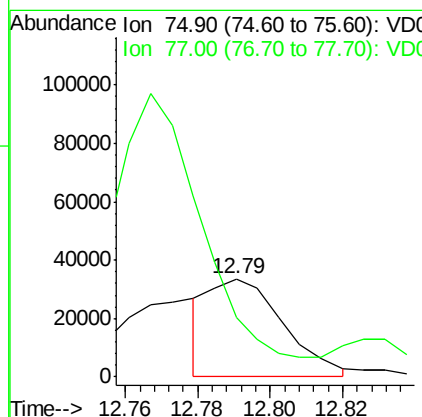
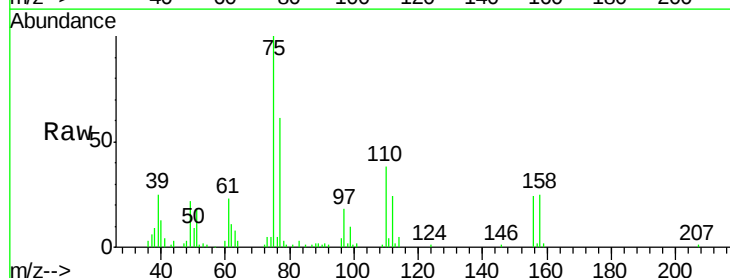
RT: 12.79 min Scan# 1848

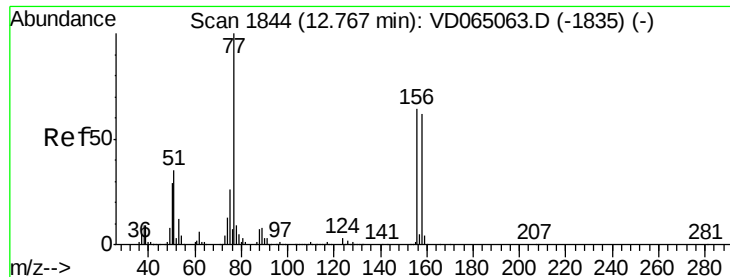
Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion:	75	Resp:	47721
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





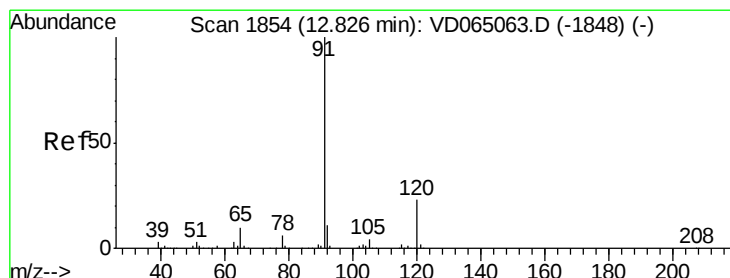
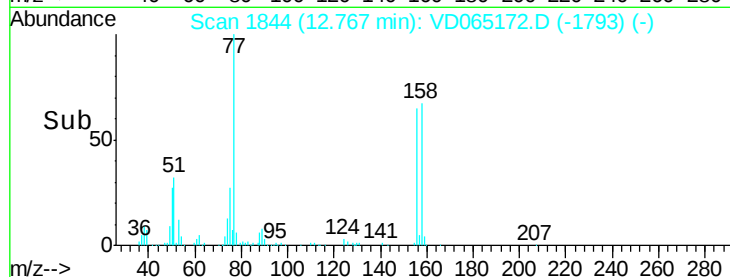
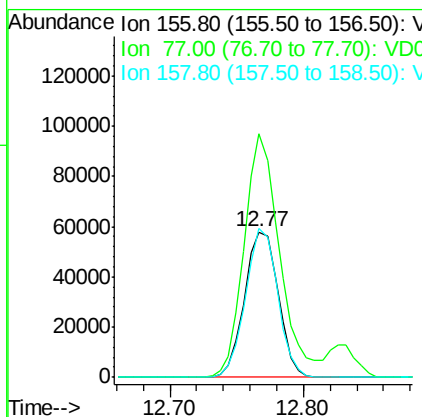
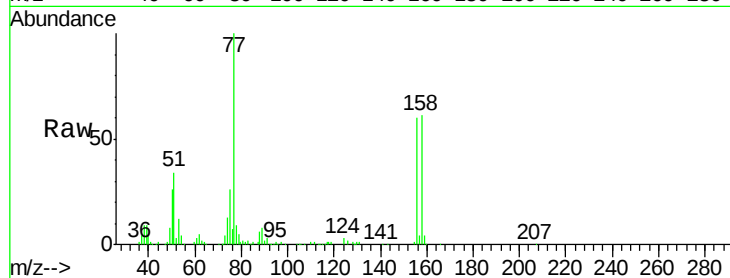
#77
Bromobenzene
Concen: 19.664 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	174.4	85.6	256.8
158	97.2	47.4	142.2

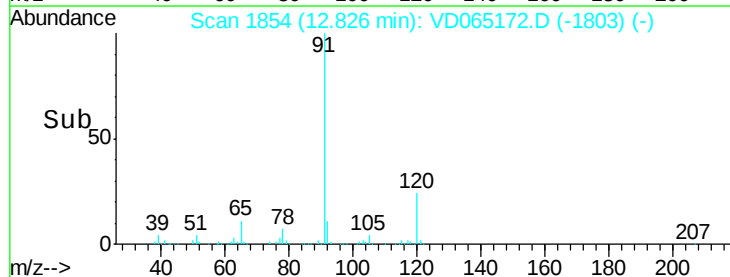
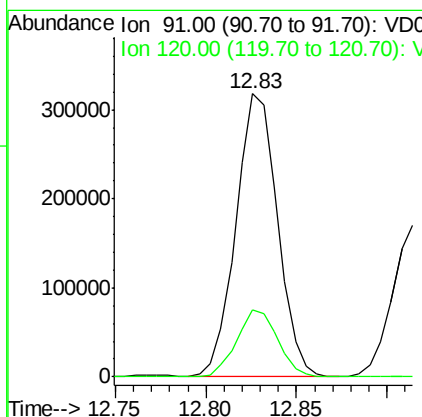
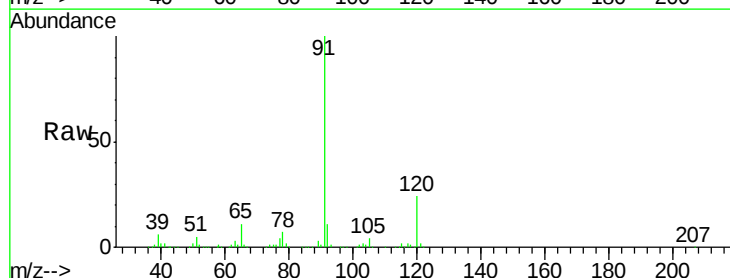
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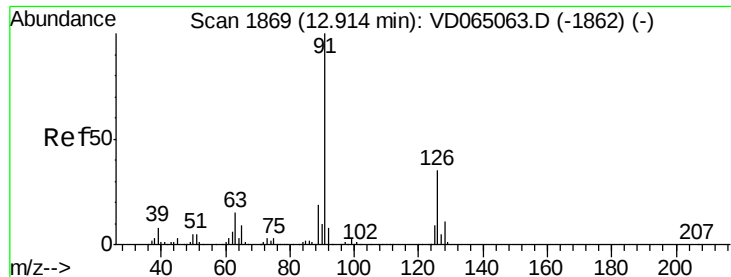
MMDadoda
2/14/2020 4:17:50 PM



#78
n-propylbenzene
Concen: 20.198 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.5	11.8	35.3





#79

2-Chlorotoluene

Concen: 20.168 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

ClientSampleId :

VD0213SBS01

Tot Ion: 91 Resp: 281184

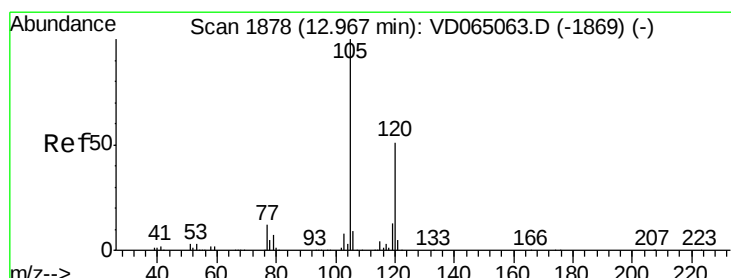
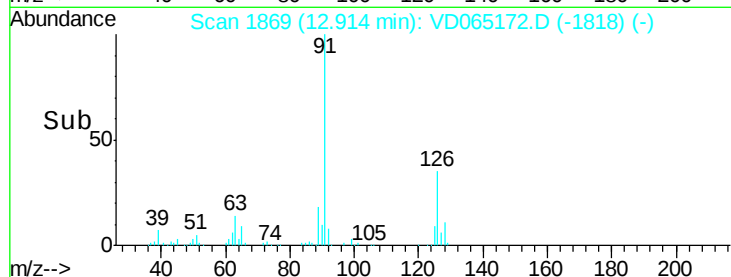
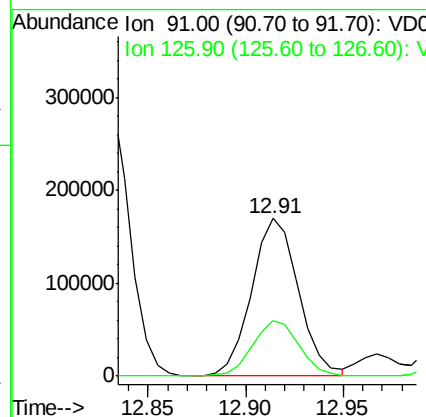
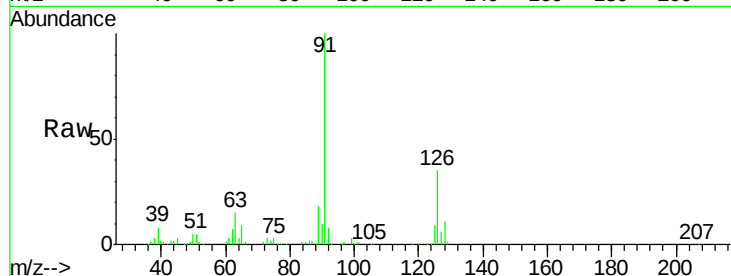
Ion Ratio Lower Upper

91 100

126 35.1 17.4 52.3

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#80

1,3,5-Trimethylbenzene

Concen: 19.706 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065172.D

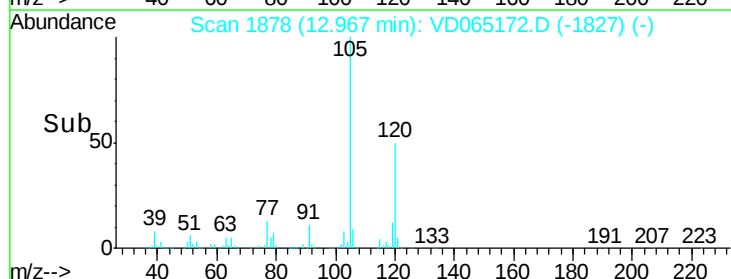
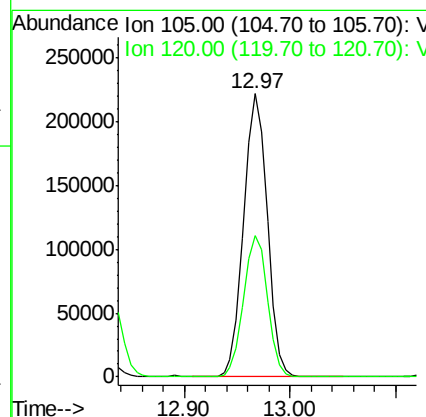
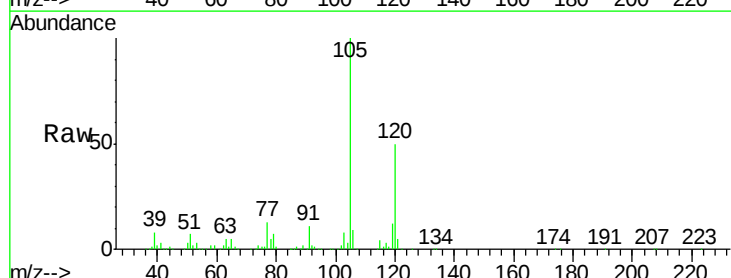
Acq: 13 Feb 2020 11:21

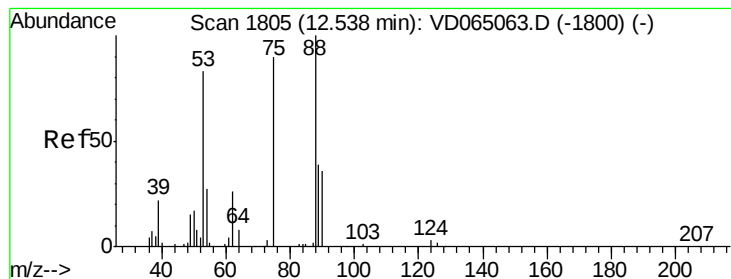
Tgt Ion: 105 Resp: 344331

Ion Ratio Lower Upper

105 100

120 50.5 25.1 75.4





#81

trans-1,4-Dichloro-2-butene

Concen: 19.270 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

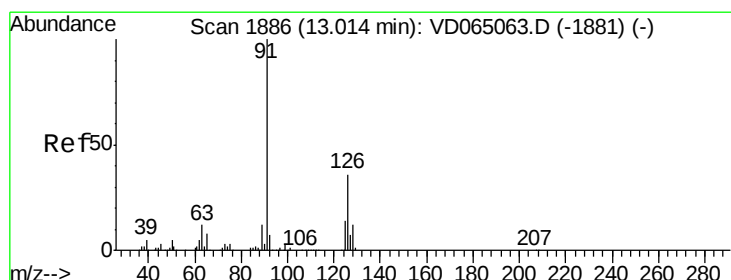
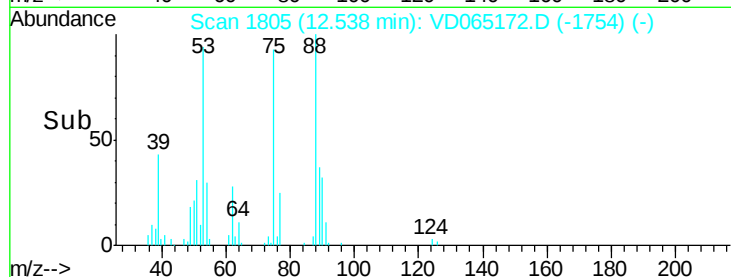
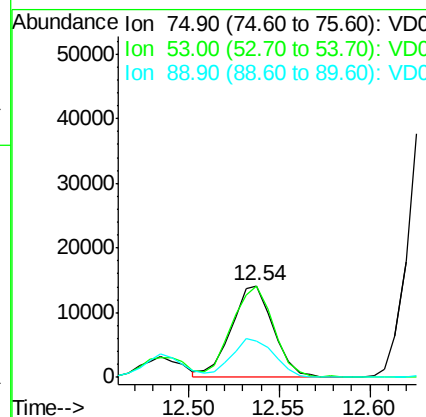
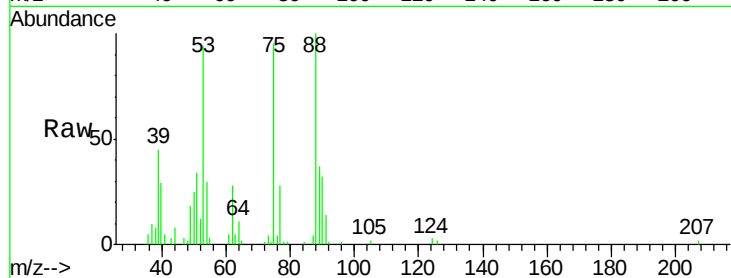
ClientSampleId :

VD0213SBS01

Tot Ion:	75	Resp:	22700
Ion	Ratio	Lower	Upper
75	100		
53	99.3	78.5	117.7
89	42.8	37.0	55.4

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#82

4-Chlorotoluene

Concen: 19.950 ug/l

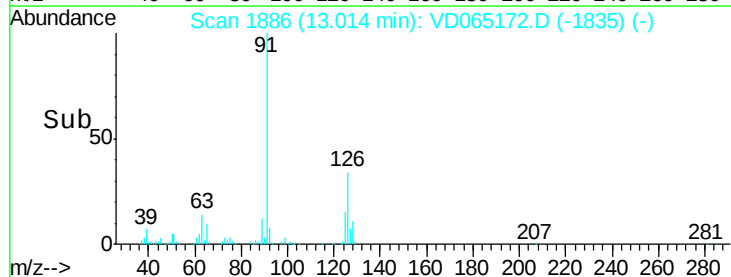
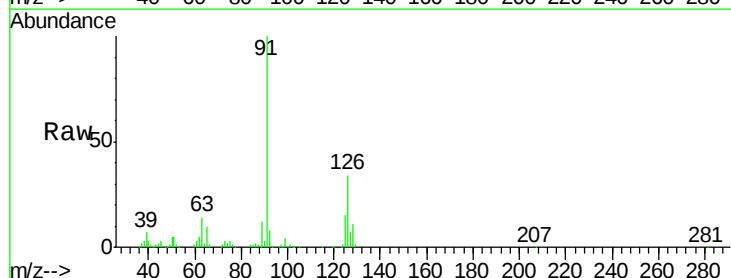
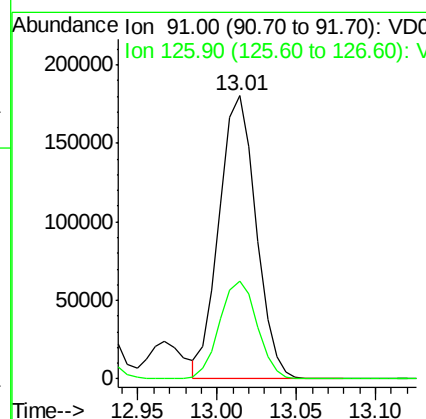
RT: 13.01 min Scan# 1886

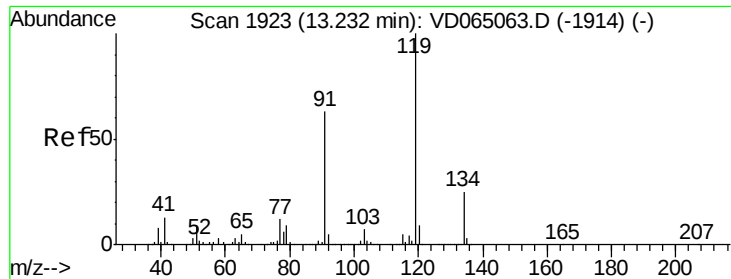
Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion:	91	Resp:	292112
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.5





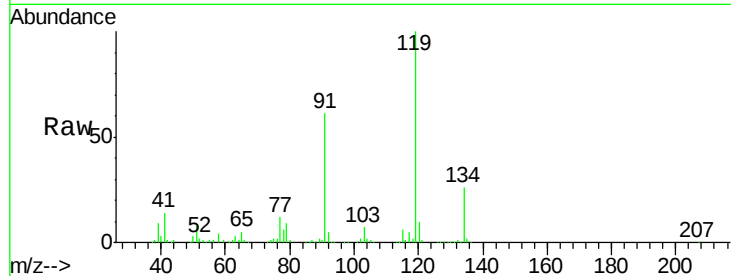
#83
tert-Butylbenzene
Concen: 18.896 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

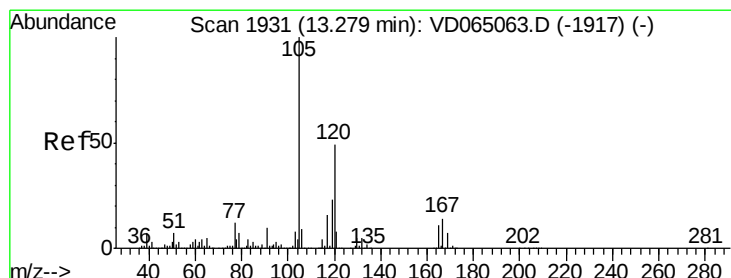
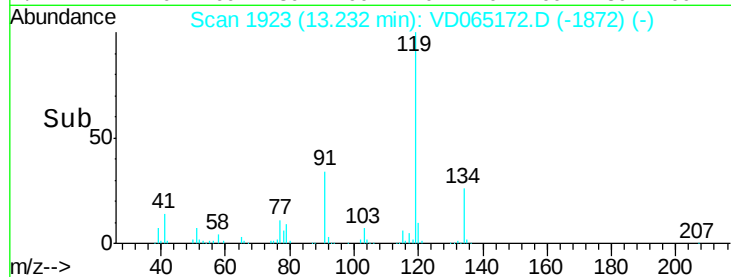
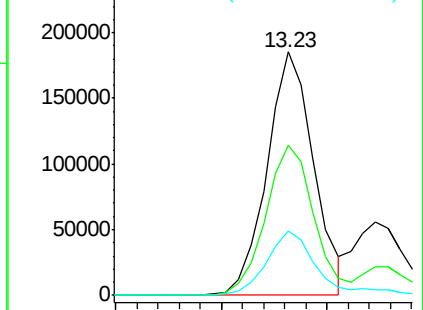
Tot Ion	Ratio	Resp	Lower	Upper
119	100	284853		
91	64.0		32.3	96.9
134	28.4		13.8	41.3

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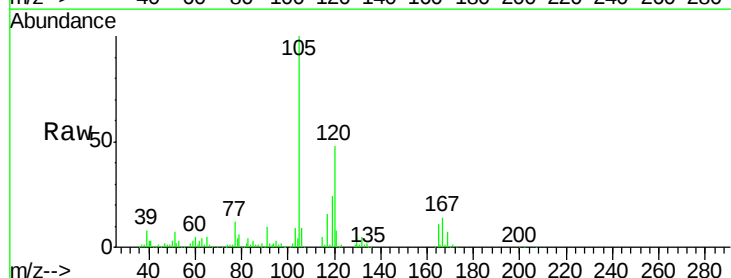


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

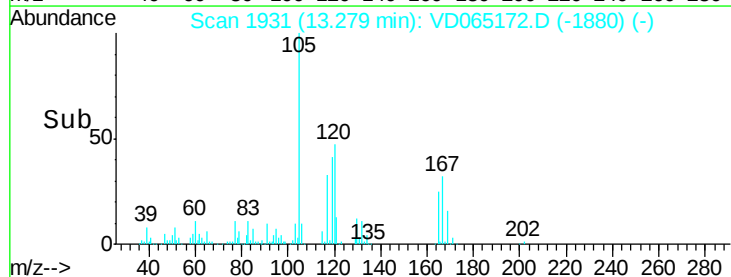
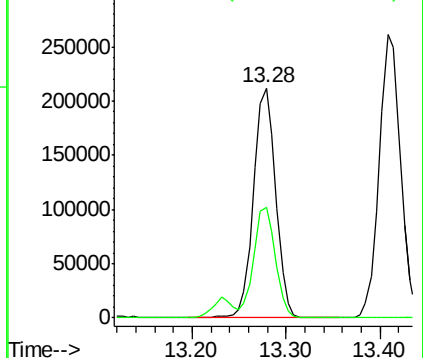


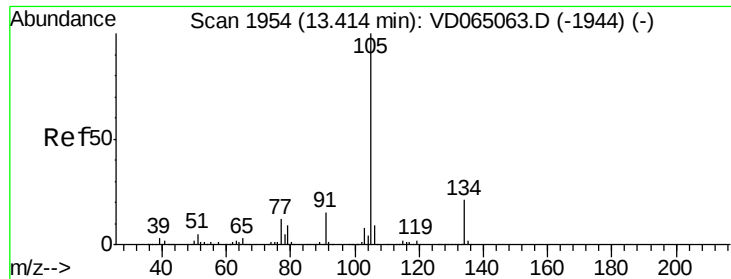
#84
1,2,4-Trimethylbenzene
Concen: 20.047 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	347753		
120	46.9		23.5	70.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





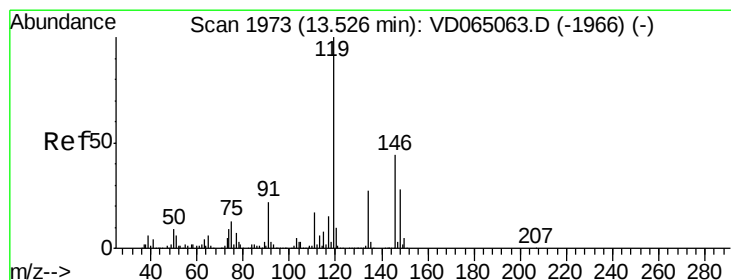
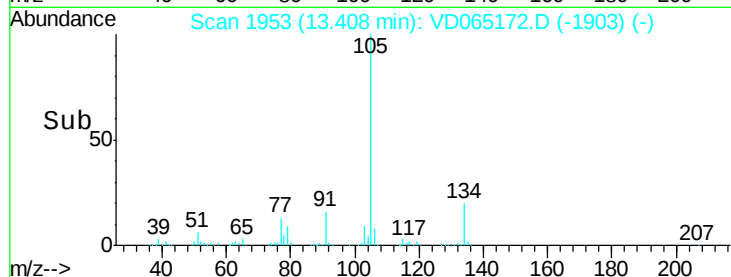
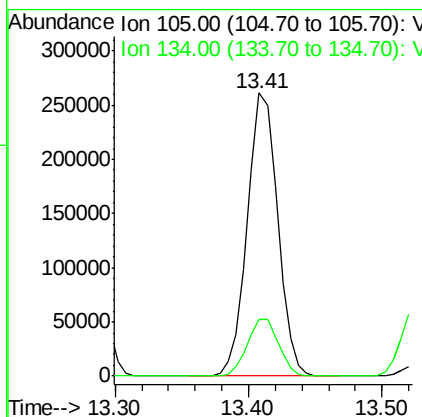
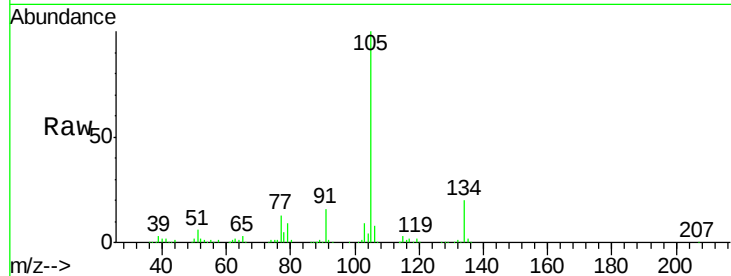
#85
 sec-Butylbenzene
 Concen: 19.948 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.4	31.1

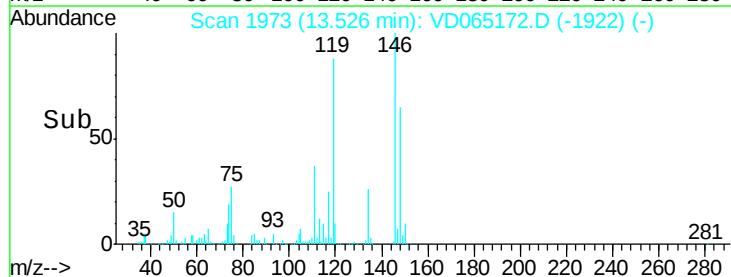
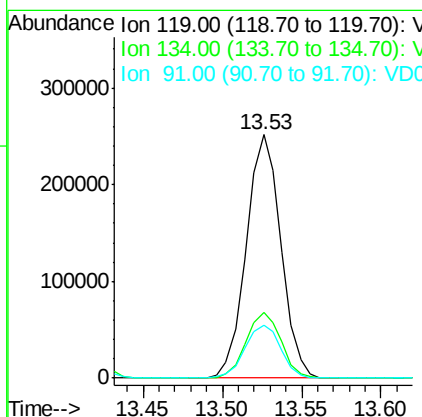
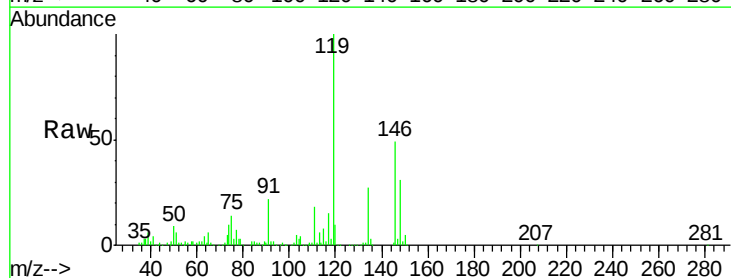
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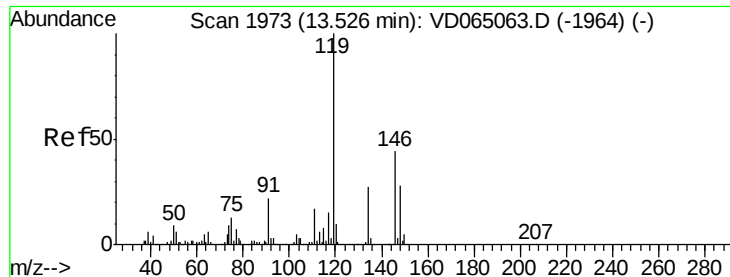
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#86
 p-Isopropyltoluene
 Concen: 19.936 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.5	40.5
91	22.9	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 20.096 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Instrument :

MSVOA_D

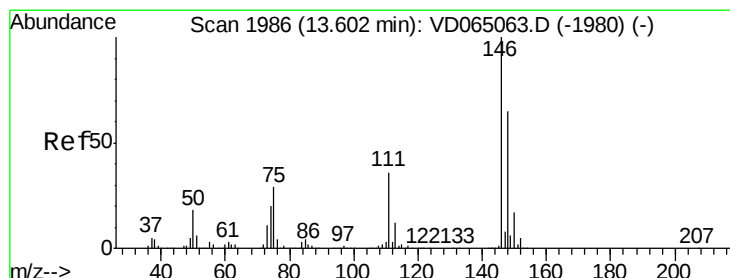
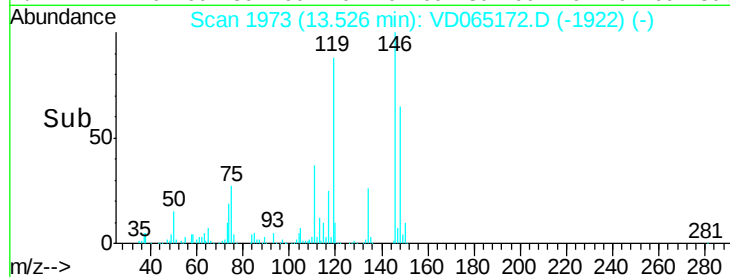
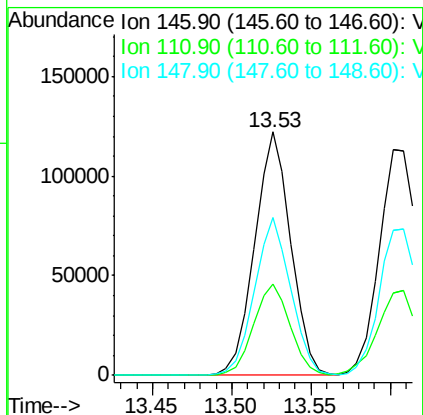
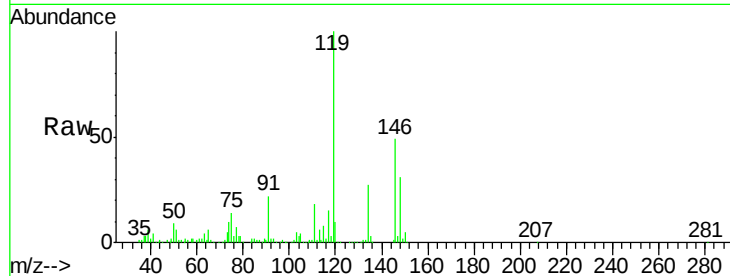
ClientSampleId :

VD0213SBS01

Tot Ion:	146	Resp:	193618
Ion Ratio	Lower	Upper	
146	100		
111	38.0	19.4	58.4
148	64.8	32.3	96.8

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#88

1,4-Dichlorobenzene

Concen: 19.849 ug/l

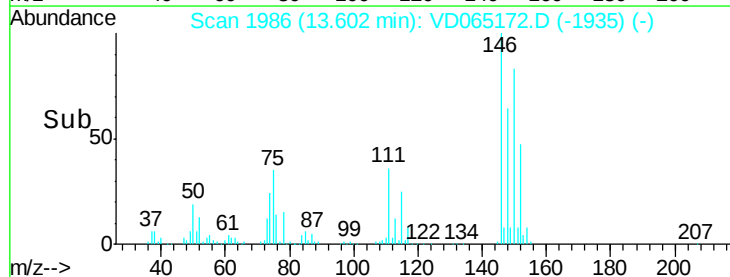
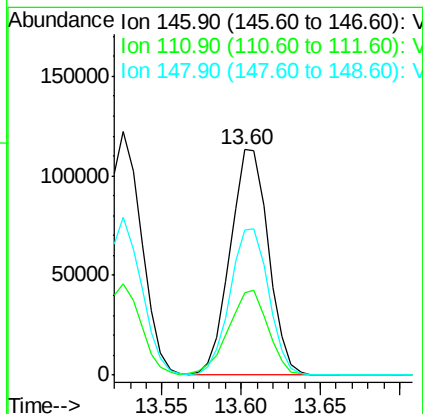
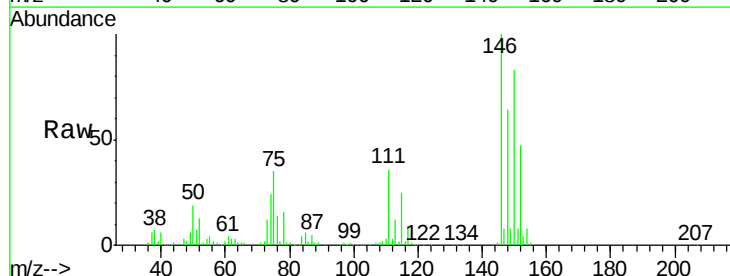
RT: 13.60 min Scan# 1986

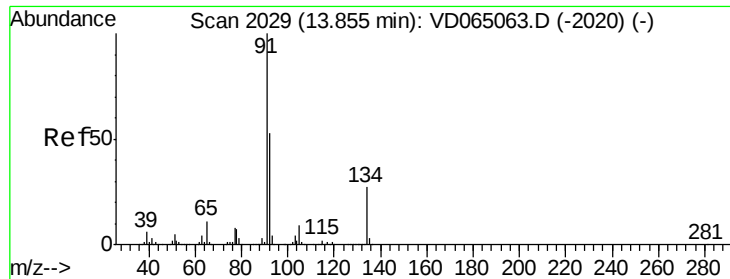
Delta R.T. -0.00 min

Lab File: VD065172.D

Acq: 13 Feb 2020 11:21

Tgt Ion:	146	Resp:	190338
Ion Ratio	Lower	Upper	
146	100		
111	39.0	18.5	55.5
148	65.5	32.7	98.1





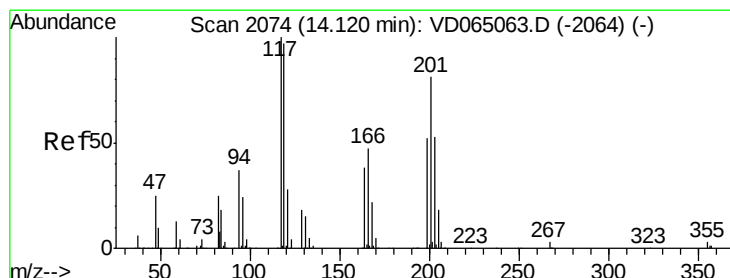
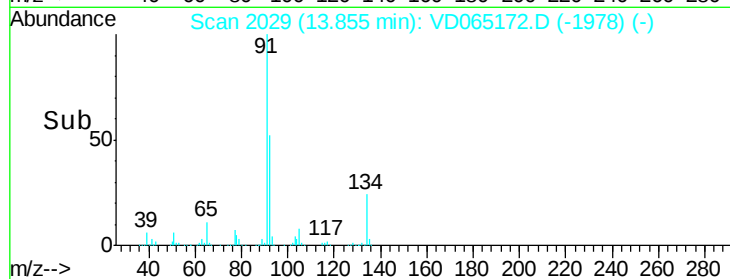
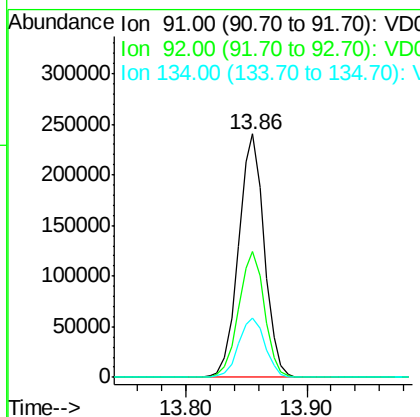
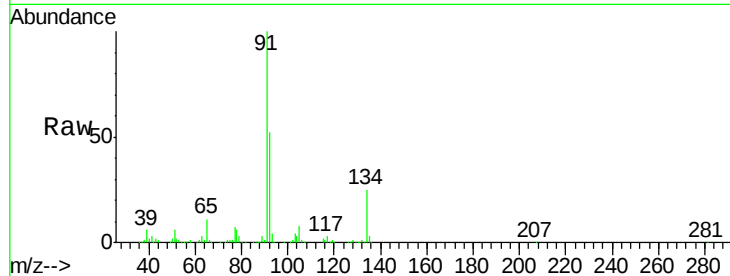
#89
n-Butylbenzene
Concen: 20.138 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	355560		
92	52.2		26.7	80.1
134	25.3		13.4	40.2

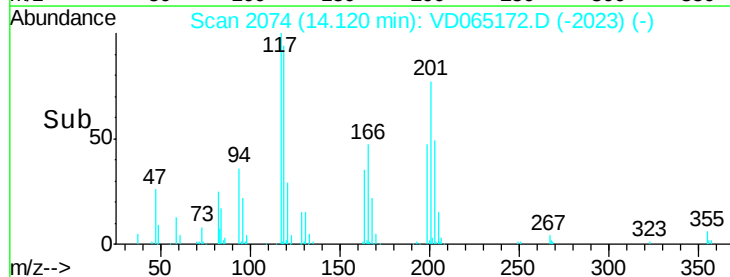
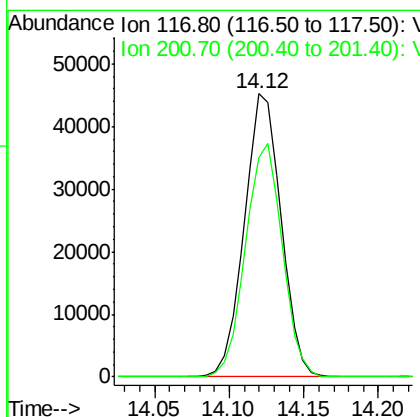
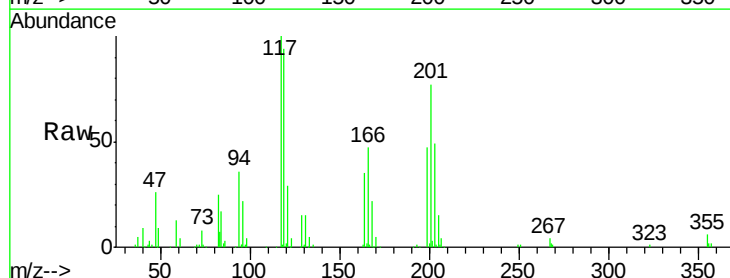
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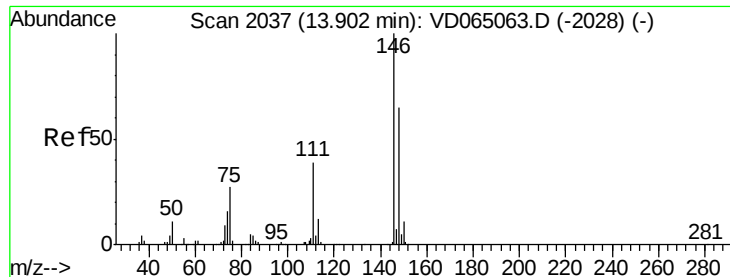
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#90
Hexachloroethane
Concen: 21.241 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	76943		
201	82.4		42.5	127.6





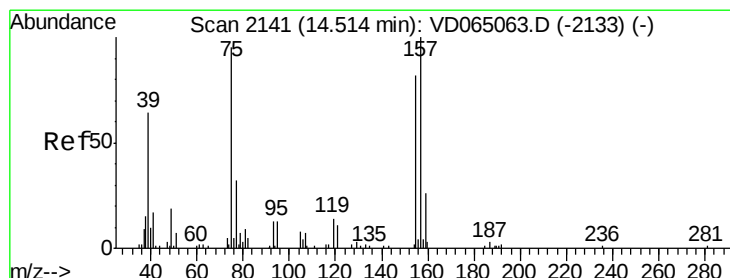
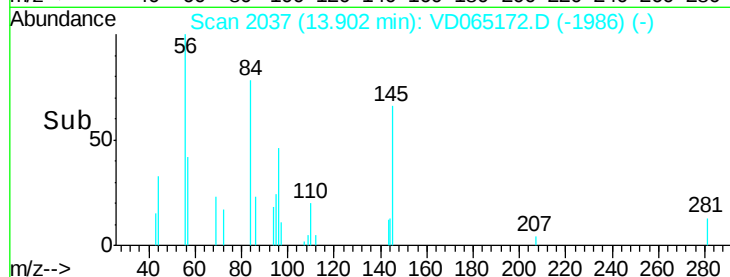
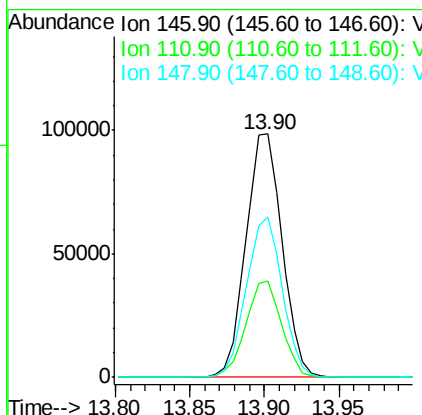
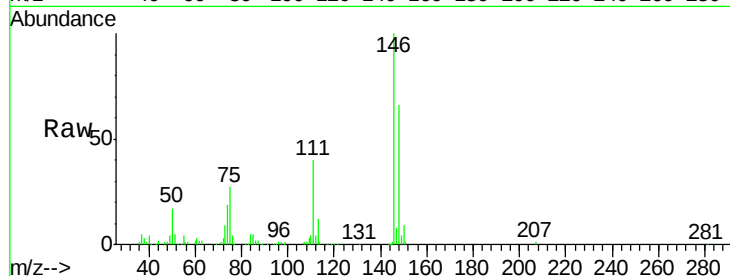
#91
 1,2-Dichlorobenzene
 Concen: 20.090 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.1
148	65.1	31.9	95.5

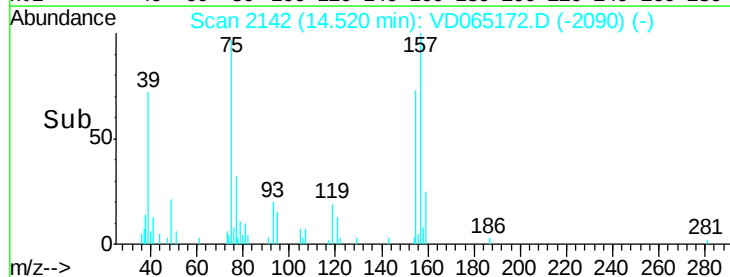
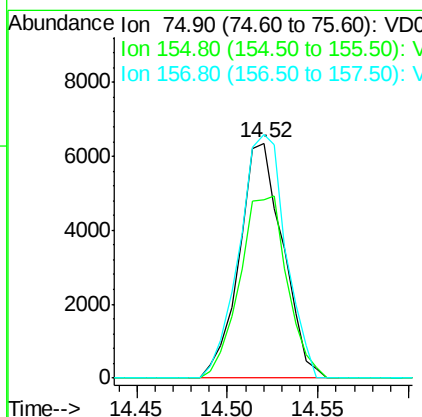
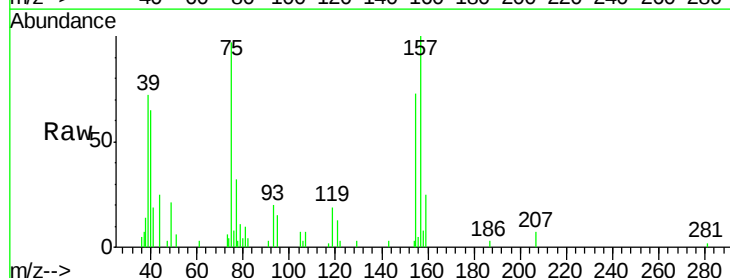
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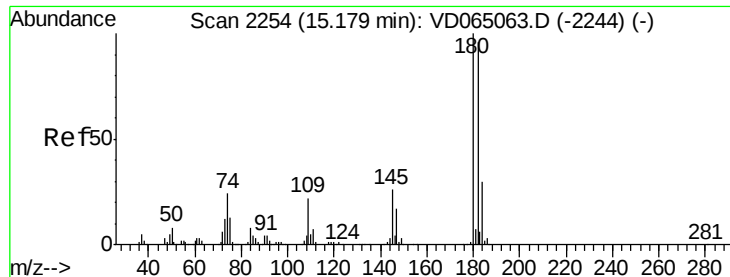
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.369 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.4	43.4	130.1
157	110.2	55.8	167.3





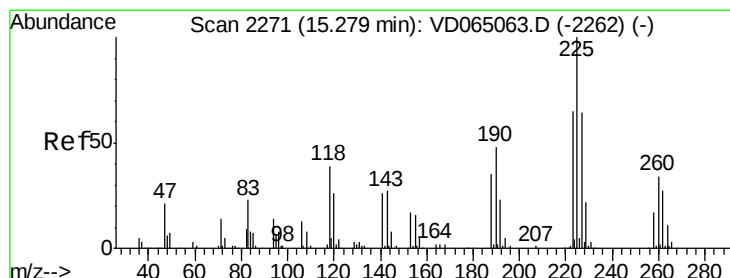
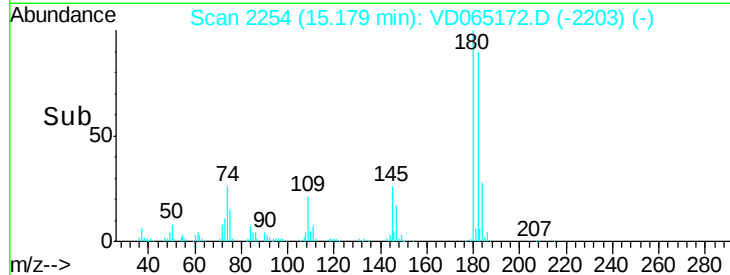
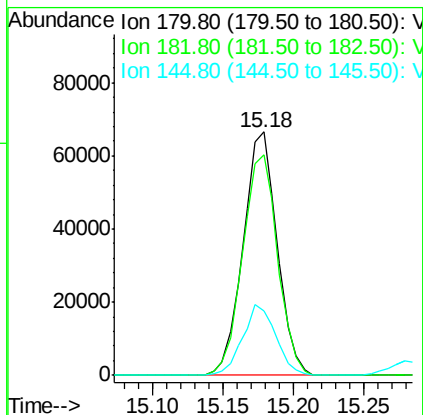
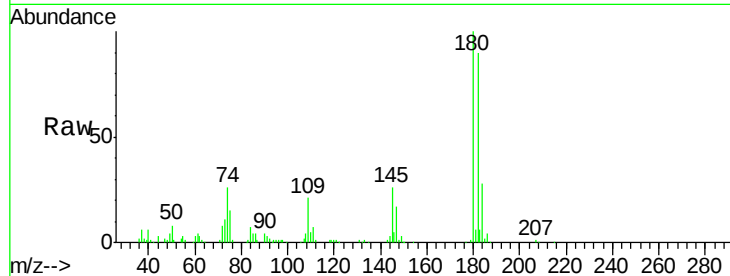
#93
 1,2,4-Trichlorobenzene
 Concen: 19.089 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0213SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	112590		
182	93.2	47.4	142.3	
145	28.0	14.1	42.4	

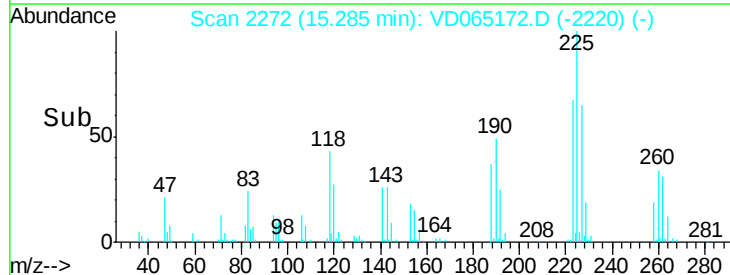
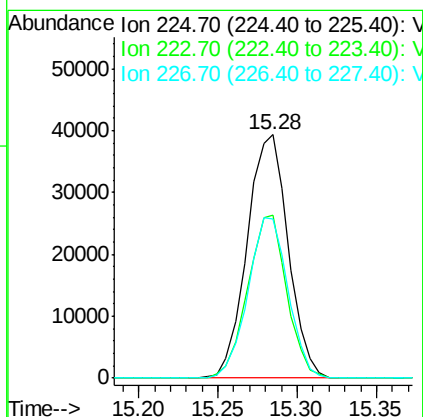
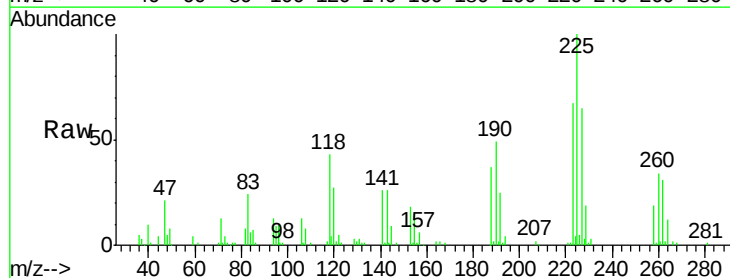
Manual Integrations
 APPROVED

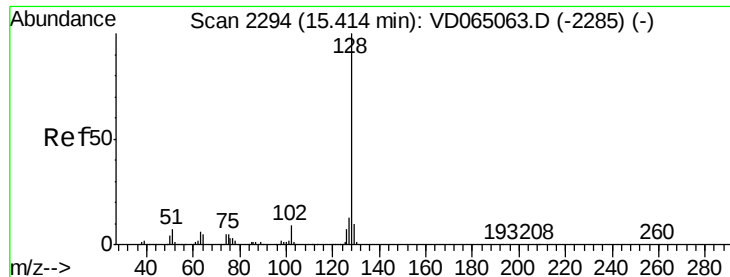
MMDadoda
 2/14/2020 4:17:50 PM



#94
 Hexachlorobutadiene
 Concen: 19.553 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065172.D
 Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	70913		
223	63.8	31.4	94.0	
227	64.0	31.8	95.3	





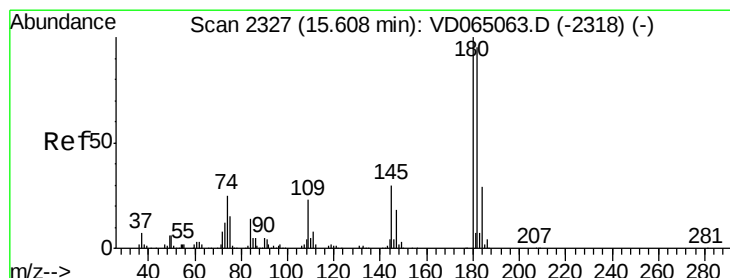
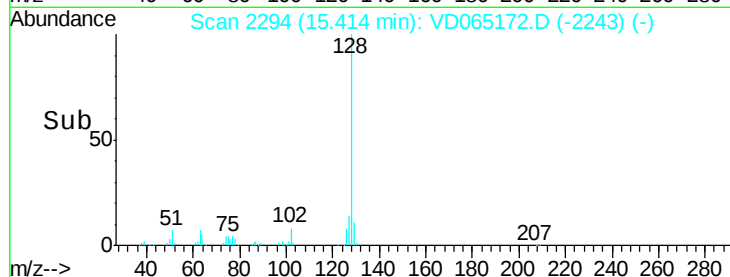
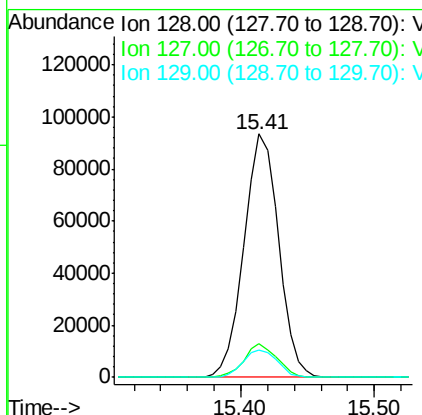
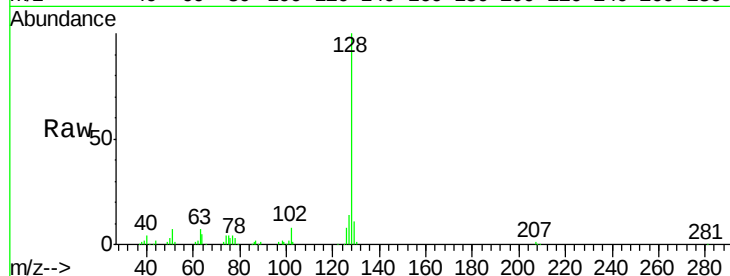
#95
Naphthalene
Concen: 17.064 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Instrument :
MSVOA_D
ClientSampleId :
VD0213SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	15.8
129	11.4	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
2/14/2020 4:17:50 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.772 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065172.D
Acq: 13 Feb 2020 11:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.1	141.4
145	31.6	14.9	44.9

