

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065144.D
 Acq On : 11 Feb 2020 12:15
 Operator : VA/SY
 Sample : VD0211SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBSD01

Manual Integrations
 APPROVED

MMDadoda
 2/12/2020 3:12:52 PM

Quant Time: Feb 12 07:15:56 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	454489	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	682309	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	626144	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	304326	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	225337	58.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.68%	
35) Dibromofluoromethane	7.92	113	221712	58.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.48%	
50) Toluene-d8	10.34	98	874627	57.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.44%	
62) 4-Bromofluorobenzene	12.64	95	275671	57.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	114.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	77299	20.438	ug/l	98
3) Chloromethane	2.21	50	103166	23.172	ug/l	97
4) Vinyl Chloride	2.35	62	106179	22.551	ug/l	97
5) Bromomethane	2.76	94	65664	21.508	ug/l	95
6) Chloroethane	2.92	64	65670	22.484	ug/l	93
7) Trichlorofluoromethane	3.27	101	152601	22.270	ug/l	98
8) Diethyl Ether	3.71	74	41354	21.023	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	89695	21.412	ug/l	99
10) Methyl Iodide	4.29	142	90764	18.984	ug/l	98
11) Tert butyl alcohol	5.25	59	28797	122.016	ug/l #	93
12) 1,1-Dichloroethene	4.06	96	83739	20.873	ug/l	92
13) Acrolein	3.93	56	26485	91.238	ug/l	97
14) Allyl chloride	4.71	41	136793	20.516	ug/l	98
15) Acrylonitrile	5.43	53	92975	108.110	ug/l	97
16) Acetone	4.17	43	93107	96.408	ug/l	94
17) Carbon Disulfide	4.40	76	278122	21.591	ug/l	98
18) Methyl Acetate	4.73	43	48877	24.223	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	177665	20.026	ug/l	98
20) Methylene Chloride	4.97	84	102184	21.808	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	96100	21.172	ug/l	93
22) Diisopropyl ether	6.37	45	275063	21.871	ug/l	93
23) Vinyl Acetate	6.31	43	705566	100.651	ug/l	100
24) 1,1-Dichloroethane	6.26	63	169807	22.306	ug/l	99
25) 2-Butanone	7.22	43	120787	104.849	ug/l	93
26) 2,2-Dichloropropane	7.21	77	146035	21.403	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	102508	21.258	ug/l	99
28) Bromochloromethane	7.55	49	58016	20.105	ug/l	99
29) Tetrahydrofuran	7.57	42	73709	105.803	ug/l	97
30) Chloroform	7.71	83	168825	22.273	ug/l	96
31) Cyclohexane	7.98	56	158749	20.659	ug/l #	94
32) 1,1,1-Trichloroethane	7.90	97	154191	21.838	ug/l	98
36) 1,1-Dichloropropene	8.11	75	135920	21.423	ug/l	99
37) Ethyl Acetate	7.30	43	53630	20.691	ug/l	100
38) Carbon Tetrachloride	8.10	117	143160	22.093	ug/l	96

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MMDadoda
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Quant Time: Feb 12 07:15:56 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	150420	19.208	ug/l	96
40) Benzene	8.35	78	376377	21.483	ug/l	99
41) Methacrylonitrile	7.53	41	31006	21.714	ug/l #	91
42) 1,2-Dichloroethane	8.43	62	106937	21.421	ug/l	97
43) Isopropyl Acetate	8.46	43	100515	20.273	ug/l	98
44) Trichloroethene	9.11	130	103698	20.621	ug/l	93
45) 1,2-Dichloropropane	9.39	63	93532	22.266	ug/l	92
46) Dibromomethane	9.48	93	49466	22.410	ug/l	97
47) Bromodichloromethane	9.67	83	128648	22.119	ug/l	100
48) Methyl methacrylate	9.46	41	47391	19.863	ug/l	96
49) 1,4-Dioxane	9.47	88	11247	430.192	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	254653	104.345	ug/l	99
52) Toluene	10.41	92	242694	21.704	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	121002	21.368	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	145249	21.446	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	65783	21.727	ug/l	96
56) Ethyl methacrylate	10.67	69	75993	19.837	ug/l	96
57) 1,3-Dichloropropane	10.95	76	114945	21.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	124421	88.223	ug/l	99
59) 2-Hexanone	10.99	43	181561	105.030	ug/l	98
60) Dibromochloromethane	11.14	129	85948	21.917	ug/l	99
61) 1,2-Dibromoethane	11.25	107	64170	21.691	ug/l	100
64) Tetrachloroethene	10.88	164	96435	21.434	ug/l	98
65) Chlorobenzene	11.67	112	253240	20.911	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	94372	21.113	ug/l	100
67) Ethyl Benzene	11.75	91	449670	20.437	ug/l	100
68) m/p-Xylenes	11.86	106	349193	41.581	ug/l	98
69) o-Xylene	12.18	106	152204	20.127	ug/l	100
70) Styrene	12.20	104	270695	20.595	ug/l	100
71) Bromoform	12.37	173	49895	20.739	ug/l #	98
73) Isopropylbenzene	12.48	105	409330	19.597	ug/l	99
74) N-amyl acetate	12.30	43	86913	19.144	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	70733	21.516	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	57733m	25.057	ug/l	
77) Bromobenzene	12.77	156	101890	20.246	ug/l	96
78) n-propylbenzene	12.83	91	501749	20.512	ug/l	100
79) 2-Chlorotoluene	12.91	91	280857	20.598	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	347361	20.327	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22562	19.584	ug/l	98
82) 4-Chlorotoluene	13.01	91	297306	20.761	ug/l	99
83) tert-Butylbenzene	13.23	119	280567	19.031	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	341614	20.136	ug/l	100
85) sec-Butylbenzene	13.41	105	403631	20.046	ug/l	99
86) p-Isopropyltoluene	13.53	119	373018	19.938	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	198454	21.062	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	193812	20.666	ug/l	99
89) n-Butylbenzene	13.86	91	348089	20.158	ug/l	98
90) Hexachloroethane	14.12	117	74066	20.907	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	159595	19.775	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11165	20.805	ug/l	99

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Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	110728	19.196	ug/l	100
94) Hexachlorobutadiene	15.28	225	70582	19.900	ug/l	100
95) Naphthalene	15.41	128	175915	18.348	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	95308	19.316	ug/l	97

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

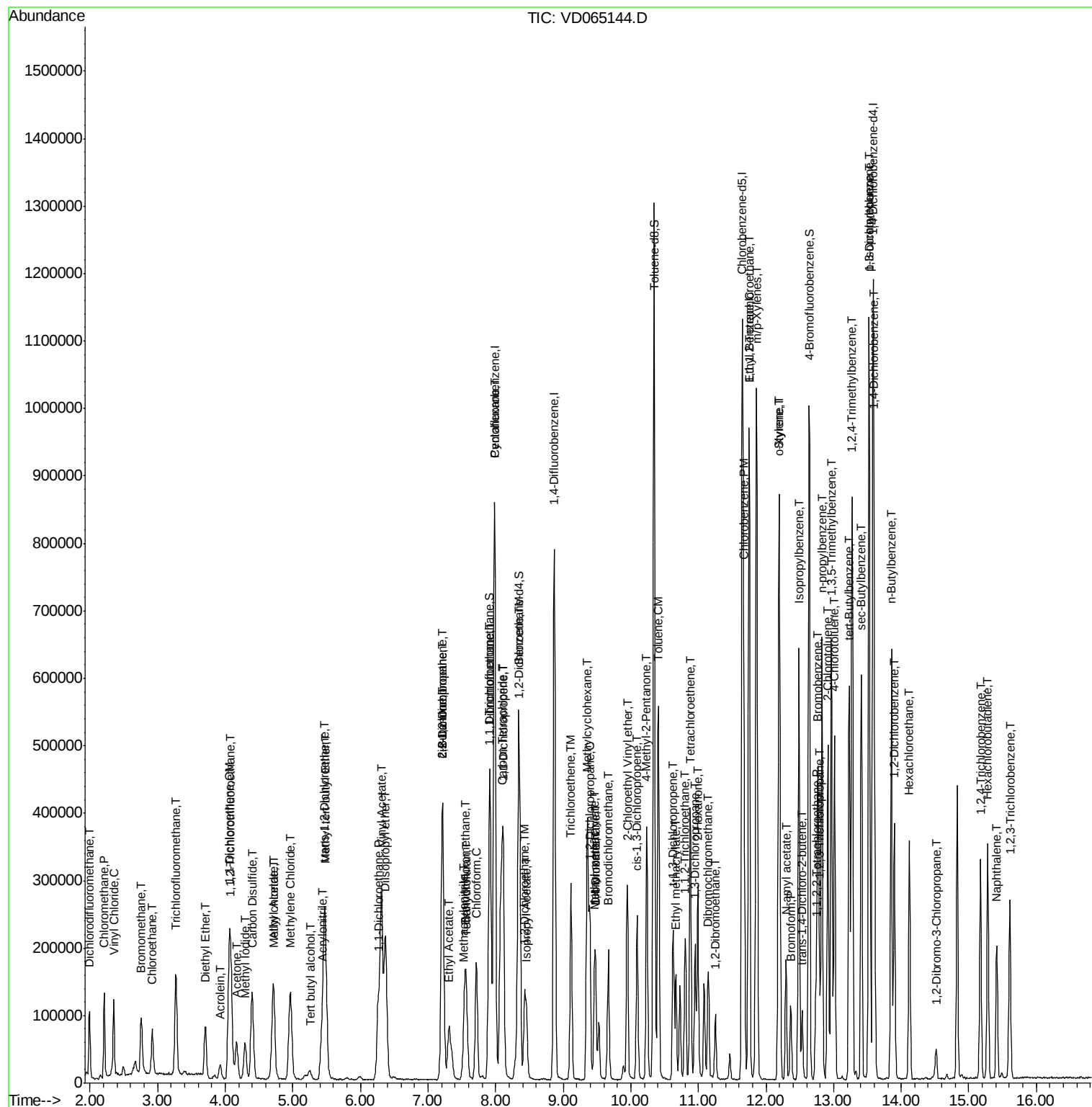
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021120\
Data File : VD065144.D
Acq On : 11 Feb 2020 12:15
Operator : VA/SY
Sample : VD0211SBSD01
Misc : 5.00G/5.00ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

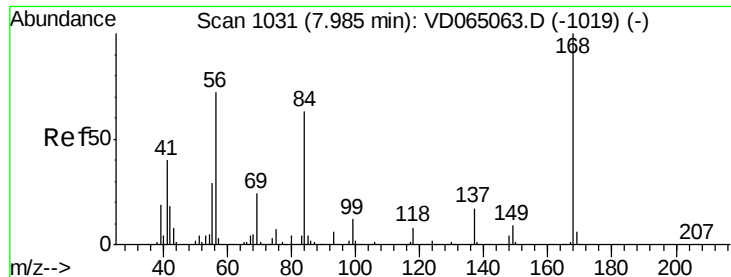
Instrument :
MSVOA_D
ClientSampleId :
VD0211SBSD01

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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion:168 Resp: 454489

Ion Ratio Lower Upper

168 100

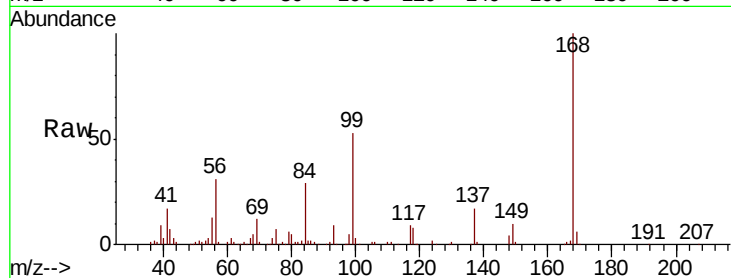
99 53.0 41.0 61.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

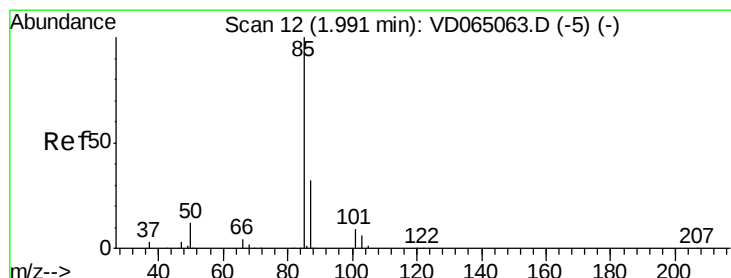
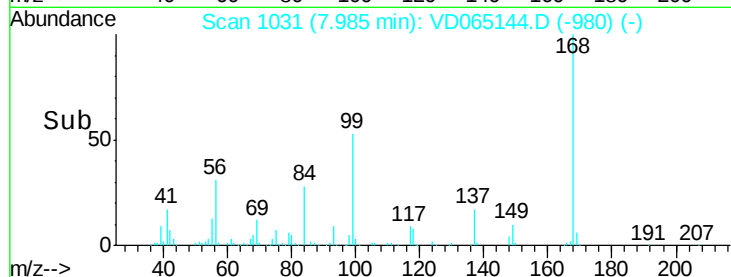
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 20.438 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065144.D

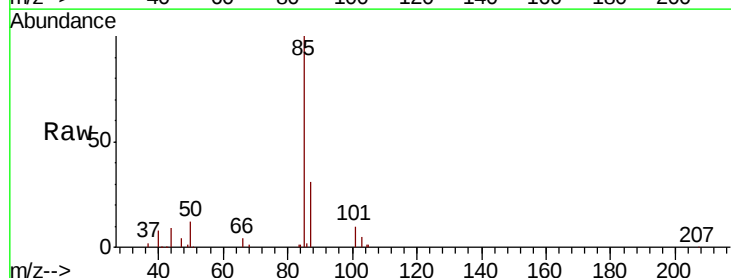
Acq: 11 Feb 2020 12:15

Tgt Ion: 85 Resp: 77299

Ion Ratio Lower Upper

85 100

87 30.5 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

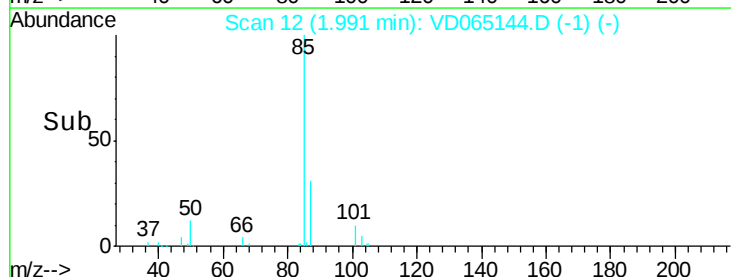
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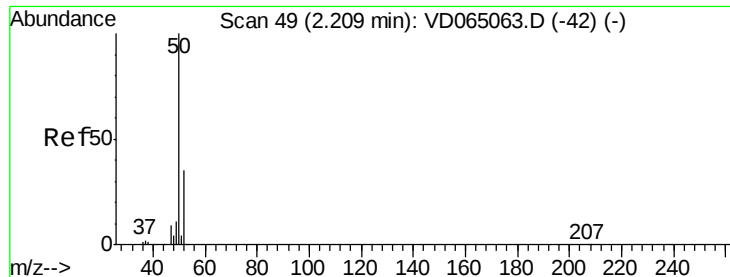
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0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 23.172 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 50 Resp: 103166

Ion Ratio Lower Upper

50 100

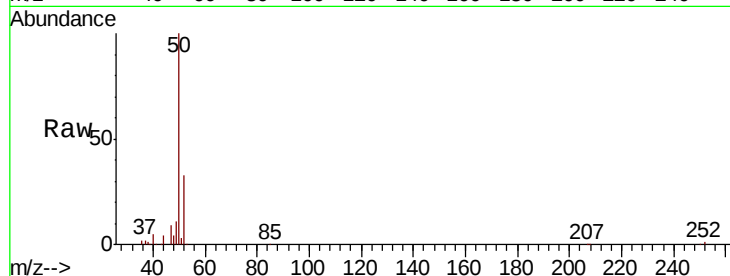
52 33.2 27.8 41.6

Manual Integrations

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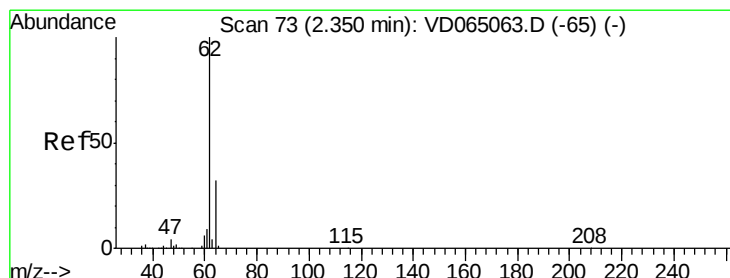
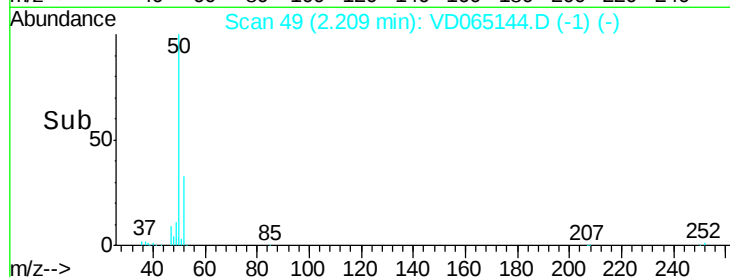
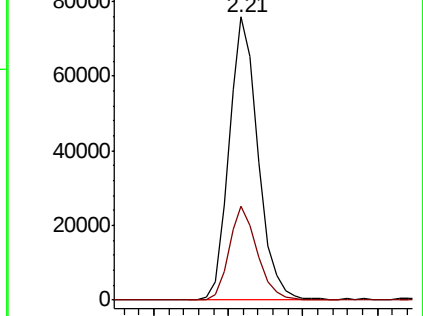
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 22.551 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065144.D

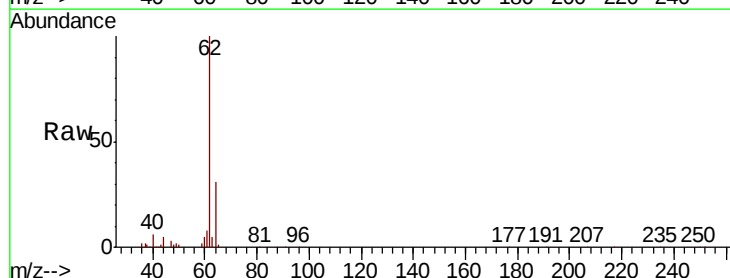
Acq: 11 Feb 2020 12:15

Tgt Ion: 62 Resp: 106179

Ion Ratio Lower Upper

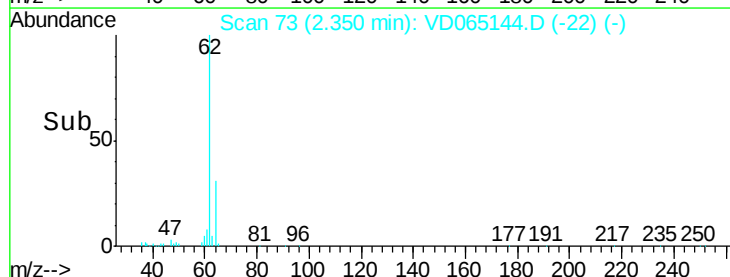
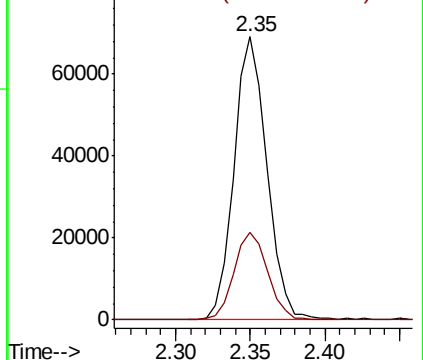
62 100

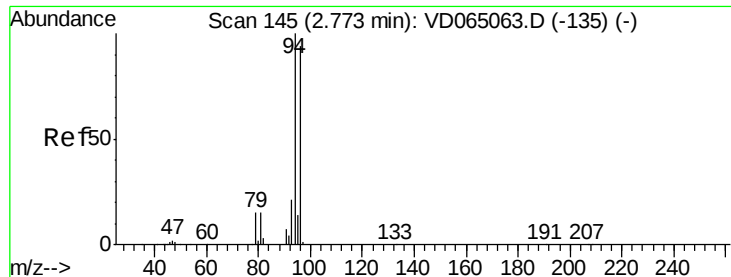
64 30.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 21.508 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 94 Resp: 65664

Ion Ratio Lower Upper

94 100

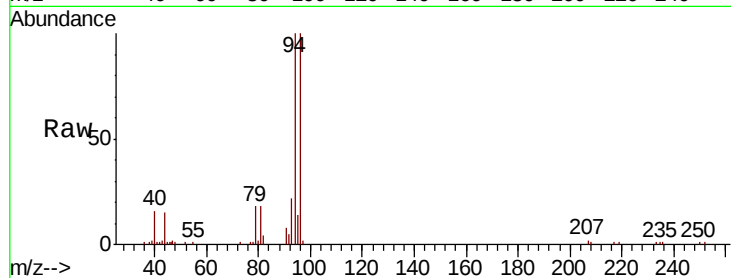
96 98.6 75.4 113.0

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

30000

25000

20000

15000

10000

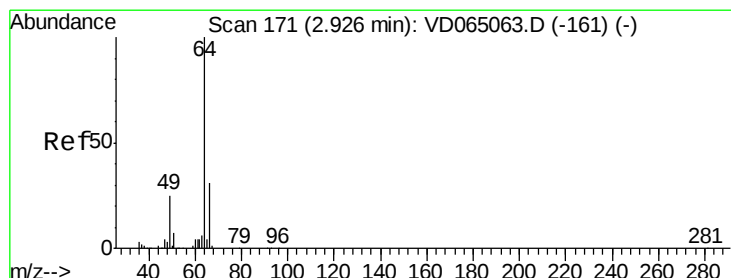
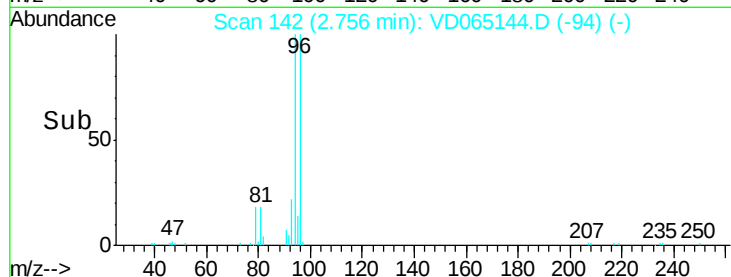
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0

2.76

2.70 2.80 2.90

Time-->



#6

Chloroethane

Concen: 22.484 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065144.D

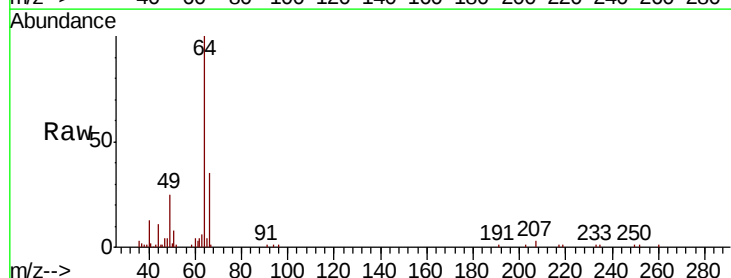
Acq: 11 Feb 2020 12:15

Tgt Ion: 64 Resp: 65670

Ion Ratio Lower Upper

64 100

66 35.0 24.8 37.2



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

30000

20000

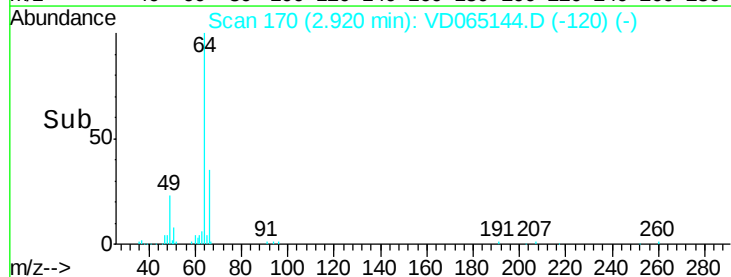
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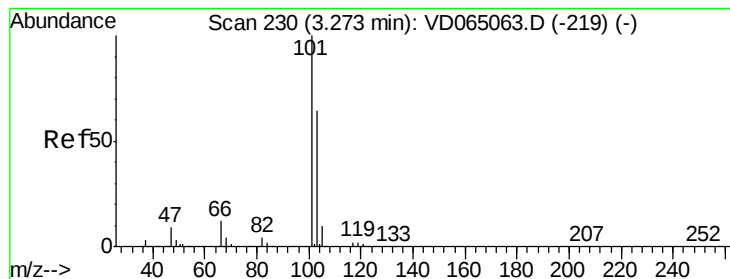
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2.92

2.85 2.90 2.95 3.00

Time-->





#7

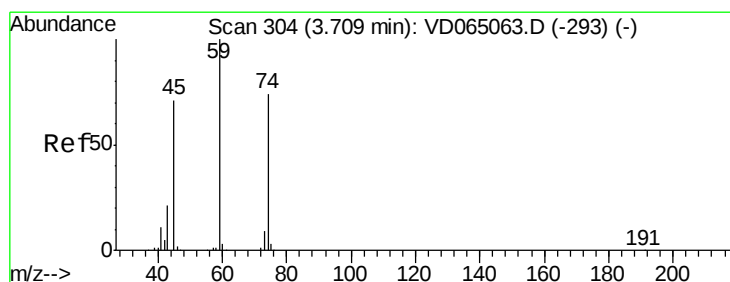
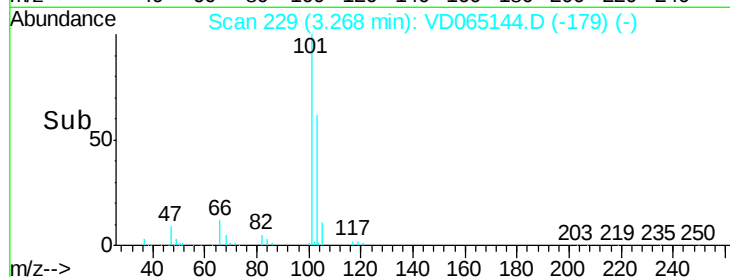
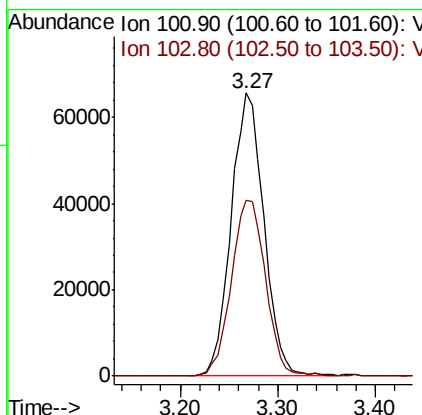
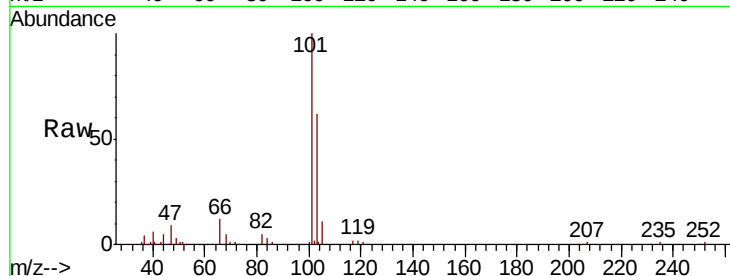
Trichlorofluoromethane
 Concen: 22.270 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

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 VD0211SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.3	51.0	76.6

Manual Integrations
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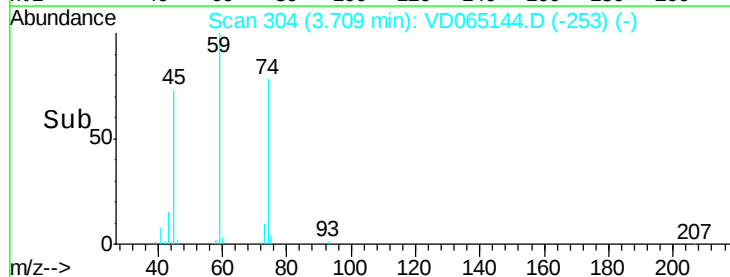
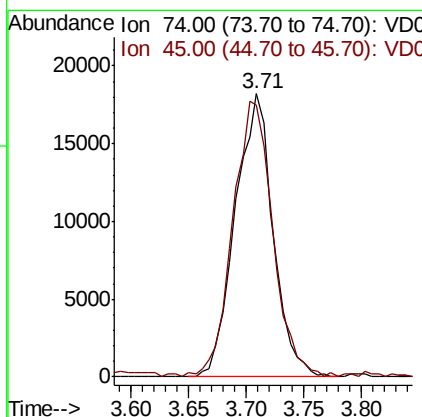
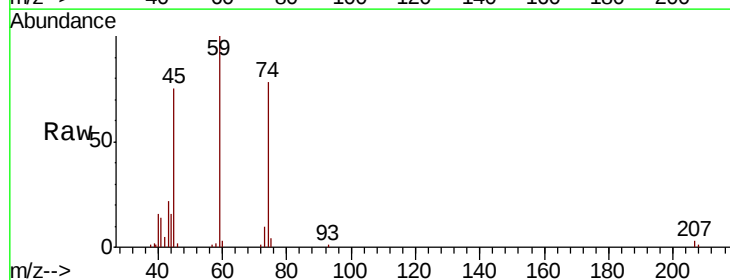
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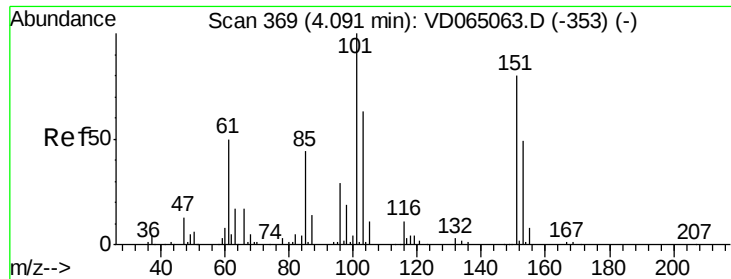


#8

Diethyl Ether
 Concen: 21.023 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	49.0	147.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.412 ug/l

RT: 4.09 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

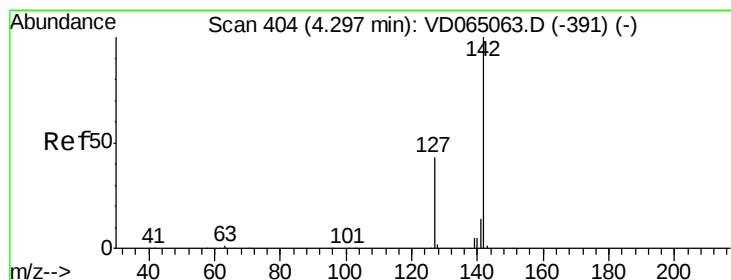
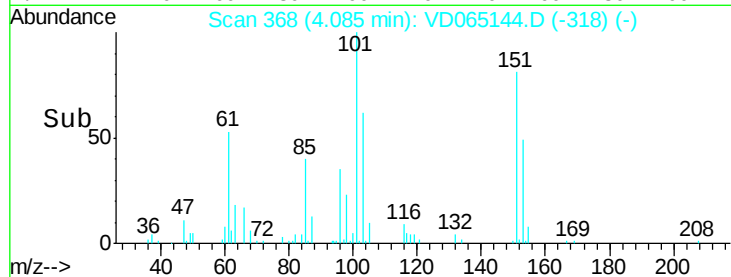
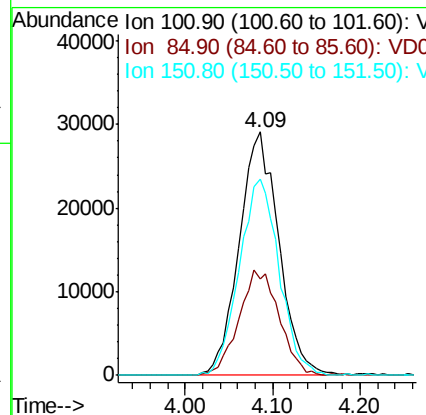
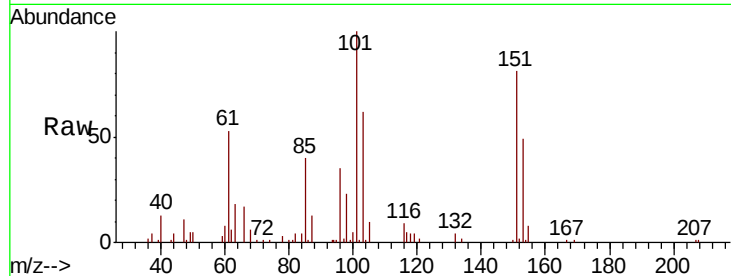
ClientSampleId :

VD0211SBS01

Tot Ion:	101	Resp:	89695
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.0	51.0
151	80.8	64.0	96.0

Manual Integrations
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#10

Methyl Iodide

Concen: 18.984 ug/l

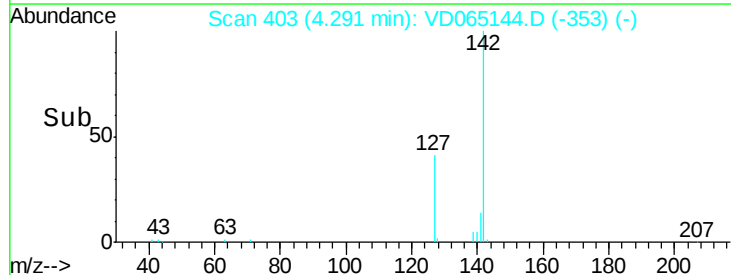
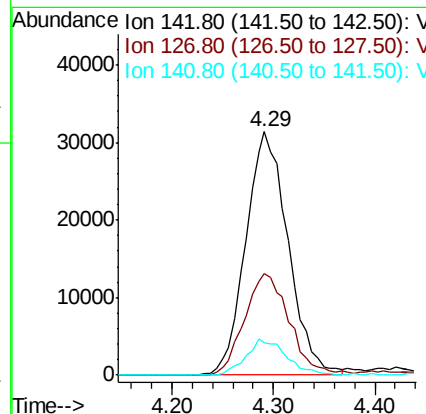
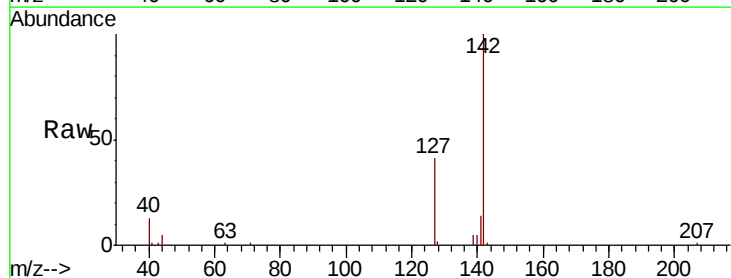
RT: 4.29 min Scan# 403

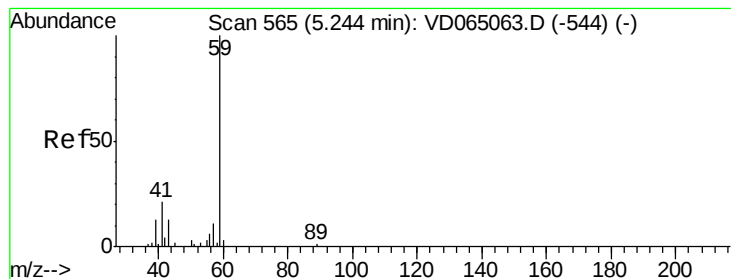
Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	142	Resp:	90764
Ion Ratio	Lower	Upper	
142	100		
127	44.2	34.0	51.0
141	14.2	11.6	17.4





#11

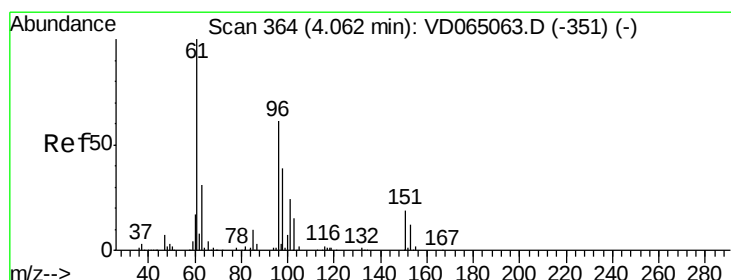
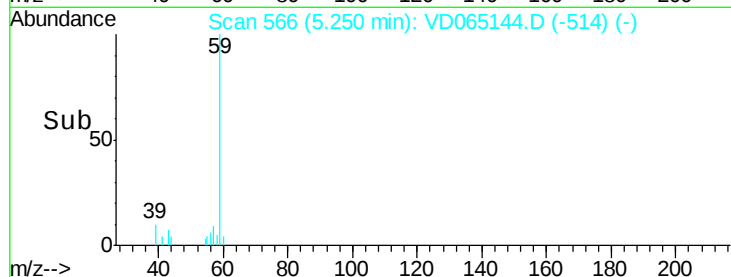
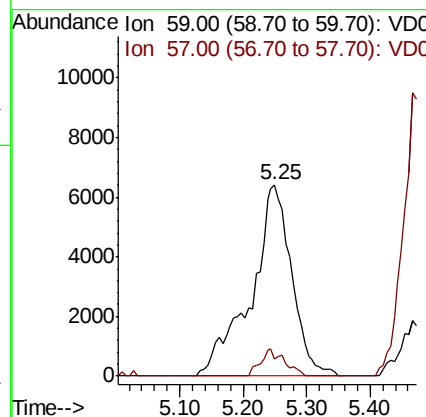
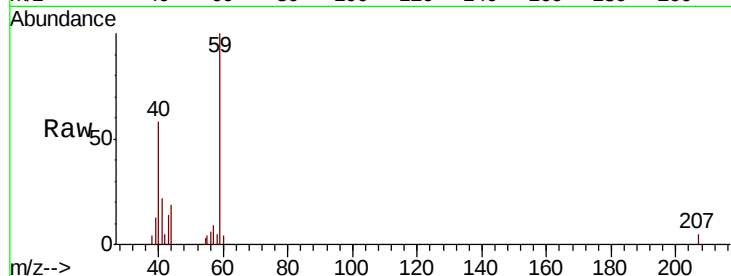
Tert butyl alcohol
Concen: 122.016 ug/l
RT: 5.25 min Scan# 566
Delta R.T. 0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.2	8.8	13.2#

Manual Integrations
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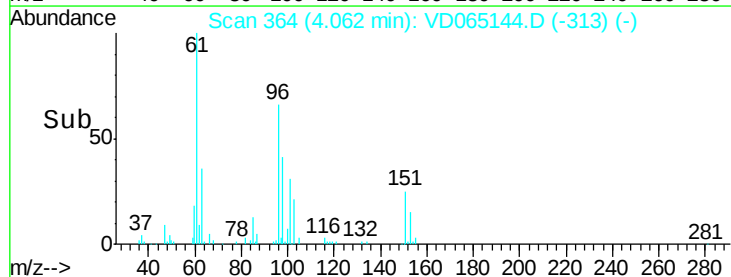
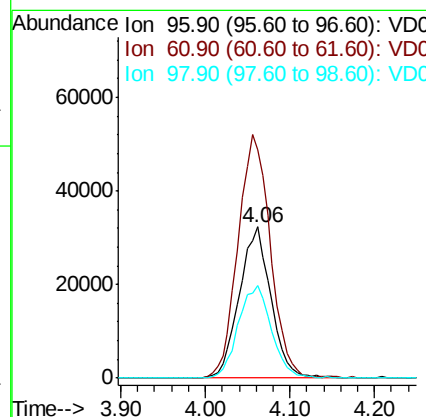
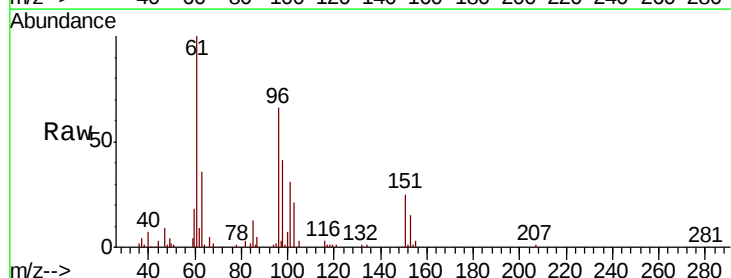
MMDadoda
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#12

1,1-Dichloroethene
Concen: 20.873 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
96	100		
61	151.6	131.4	197.2
98	61.6	51.1	76.7





#13

Acrolein

Concen: 91.238 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBSD01

Tot Ion: 56 Resp: 26485

Ion Ratio Lower Upper

56 100

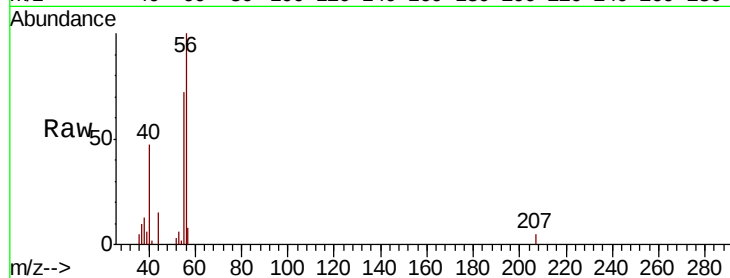
55 70.2 58.2 87.2

Manual Integrations

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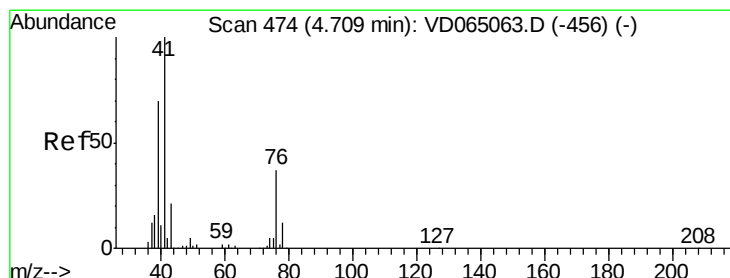
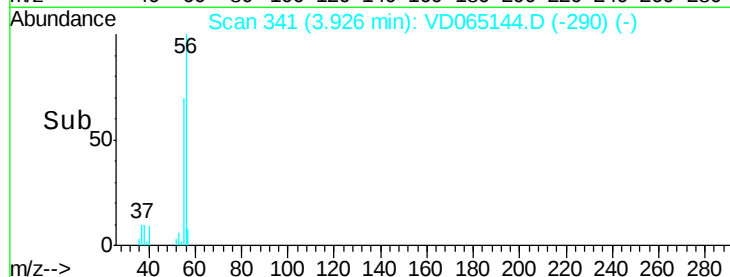
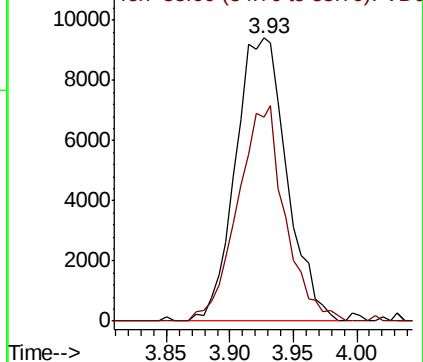
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.516 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

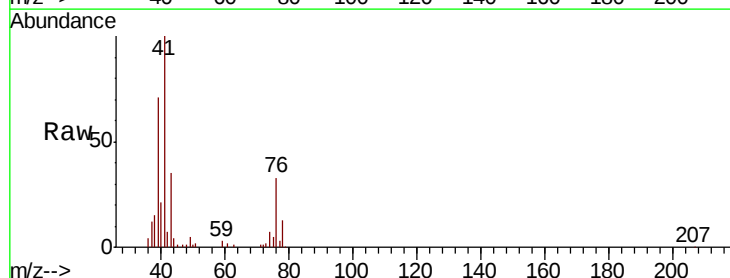
Tgt Ion: 41 Resp: 136793

Ion Ratio Lower Upper

41 100

39 72.7 57.1 85.7

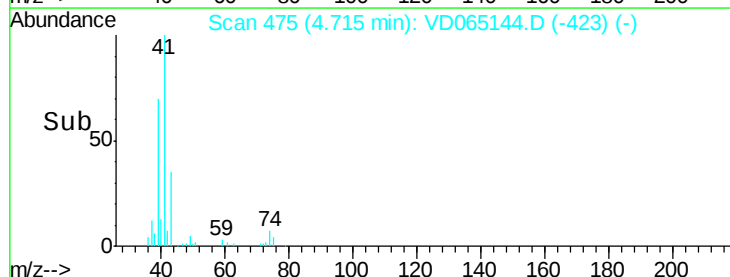
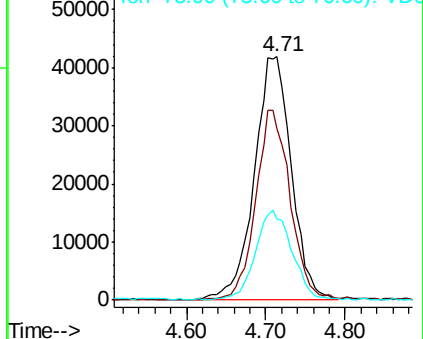
76 36.2 28.0 42.0

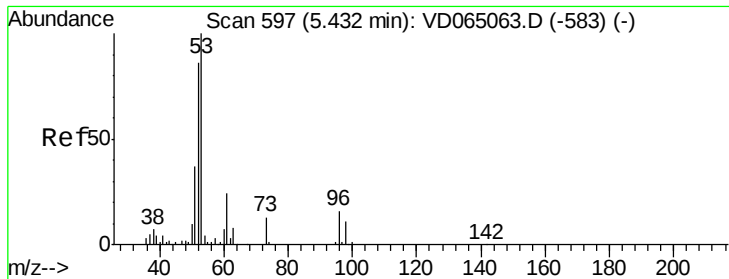


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 108.110 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

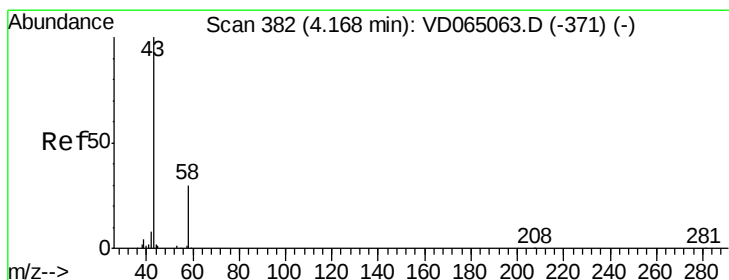
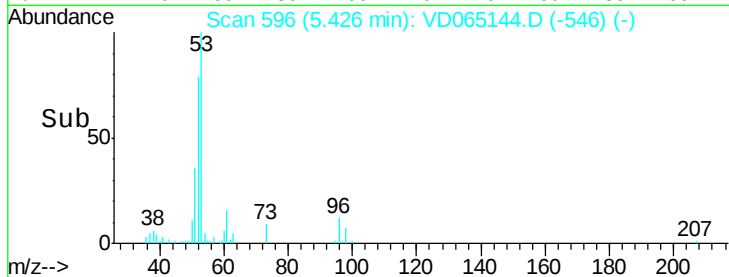
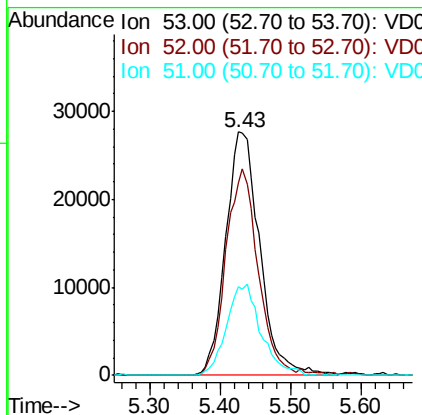
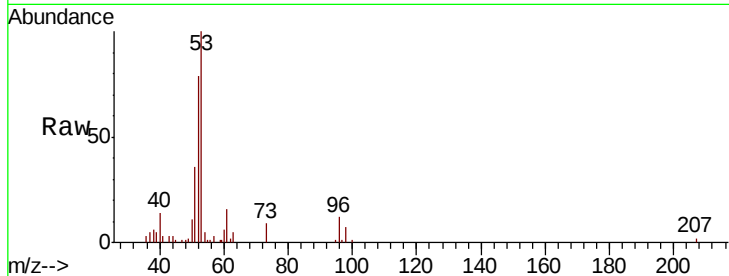
ClientSampleId :

VD0211SBS01

Tot Ion:	53	Resp:	92975
Ion Ratio	Lower	Upper	
53	100		
52	79.4	66.2	99.2
51	37.6	30.4	45.6

Manual Integrations
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#16

Acetone

Concen: 96.408 ug/l

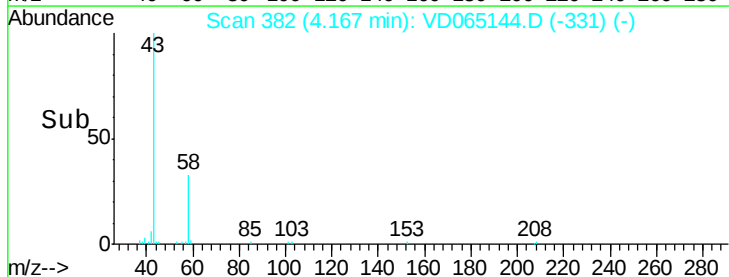
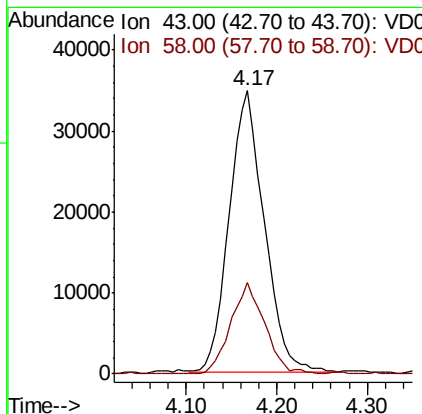
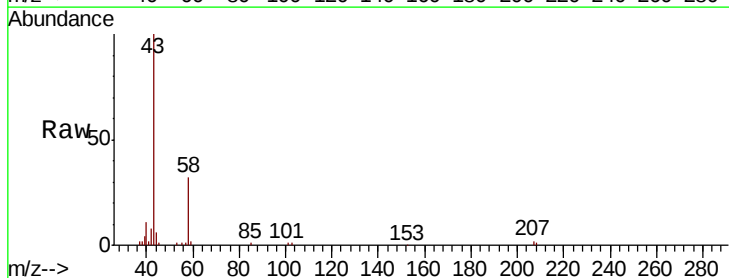
RT: 4.17 min Scan# 382

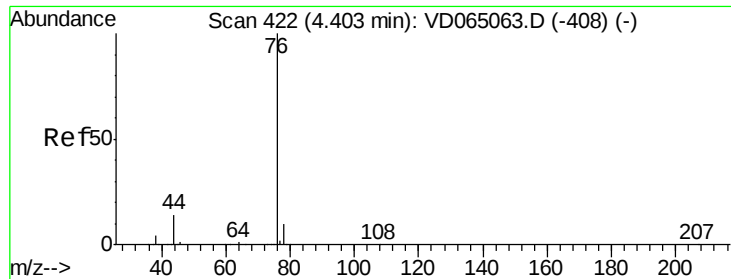
Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	43	Resp:	93107
Ion Ratio	Lower	Upper	
43	100		
58	32.7	23.5	35.3





#17

Carbon Disulfide

Concen: 21.591 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 76 Resp: 278122

Ion Ratio Lower Upper

76 100

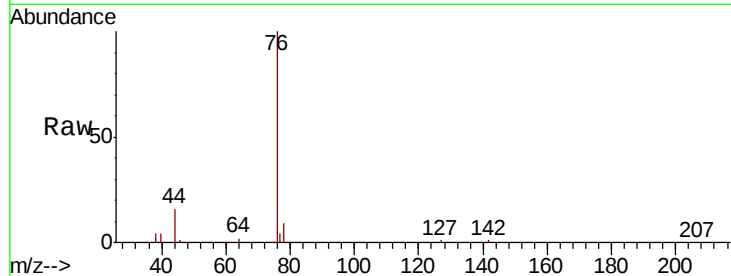
78 8.9 7.6 11.4

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

4.40

100000

80000

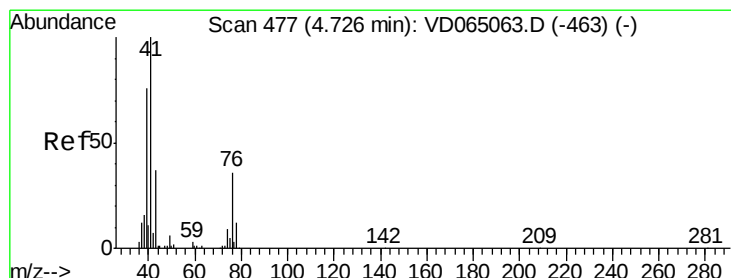
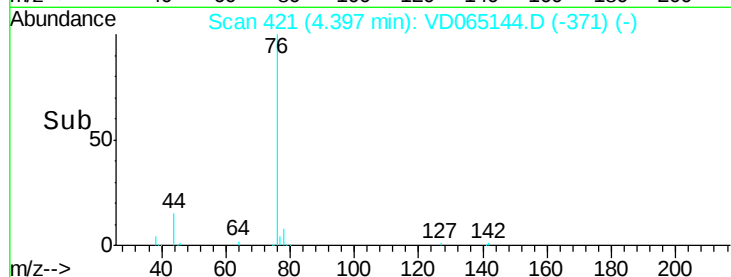
60000

40000

20000

0

Time-->



#18

Methyl Acetate

Concen: 24.223 ug/l

RT: 4.73 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD065144.D

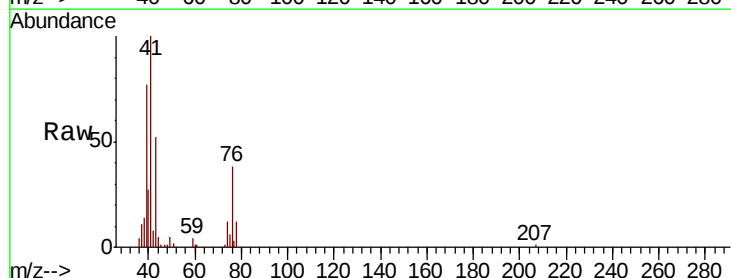
Acq: 11 Feb 2020 12:15

Tgt Ion: 43 Resp: 48877

Ion Ratio Lower Upper

43 100

74 23.1 18.7 28.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

4.73

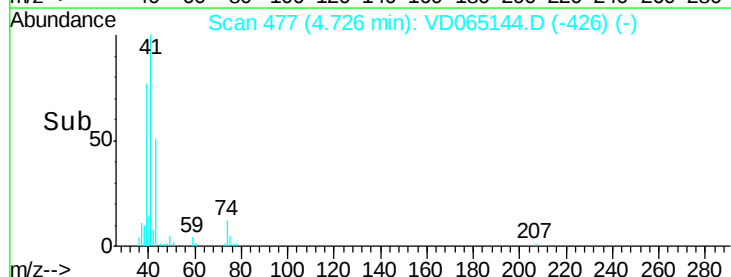
15000

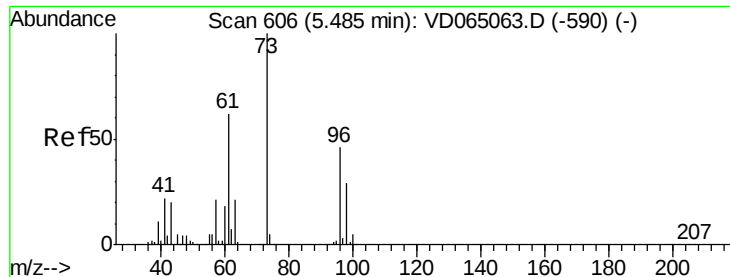
10000

5000

0

Time-->





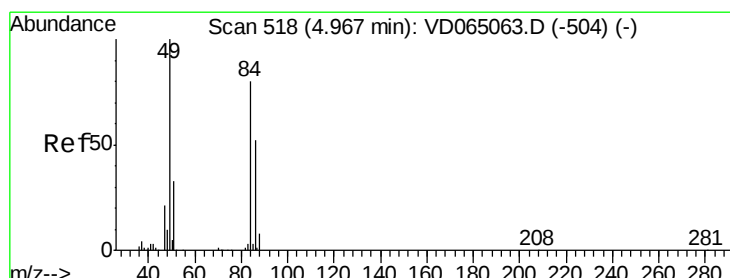
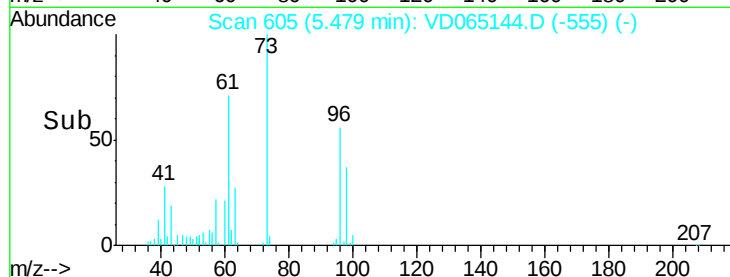
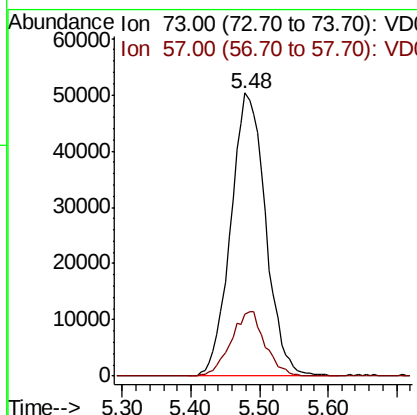
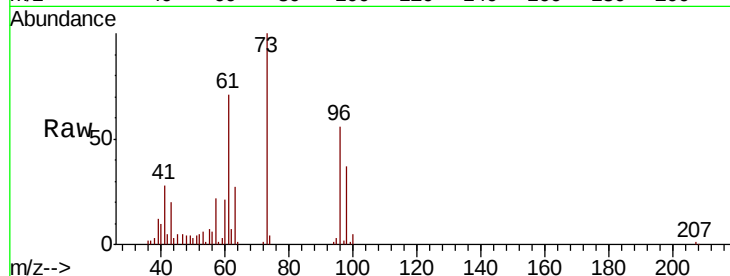
#19
Methyl tert-butyl Ether
Concen: 20.026 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion: 73 Resp: 177665
Ion Ratio Lower Upper
73 100
57 21.9 16.8 25.2

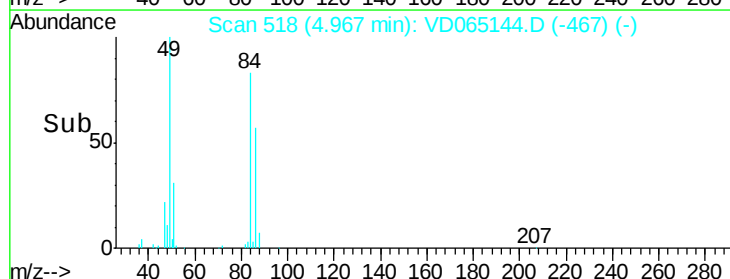
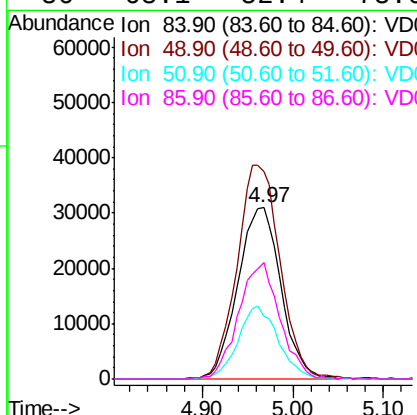
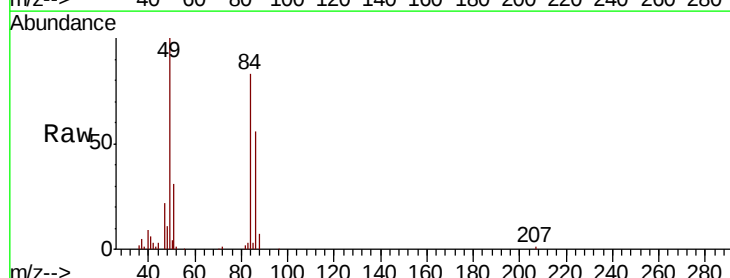
Manual Integrations
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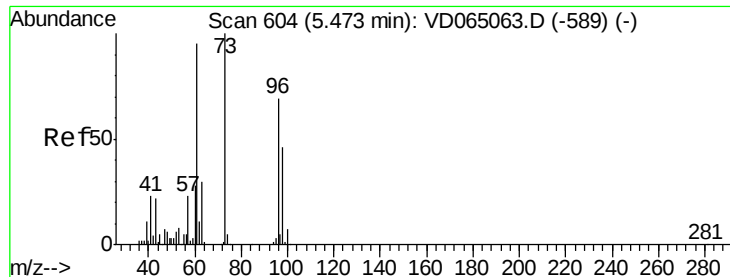
MMDadoda
2/12/2020 3:12:52 PM



#20
Methylene Chloride
Concen: 21.808 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 84 Resp: 102184
Ion Ratio Lower Upper
84 100
49 120.6 100.4 150.6
51 37.0 32.7 49.1
86 68.1 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 21.172 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

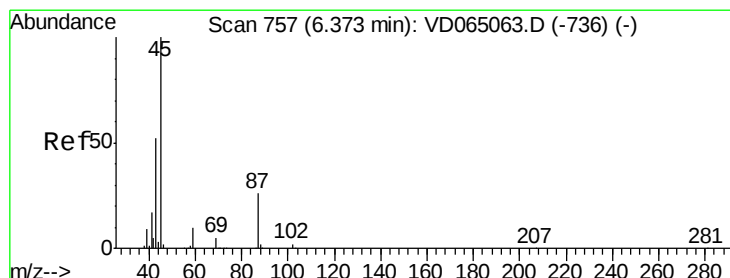
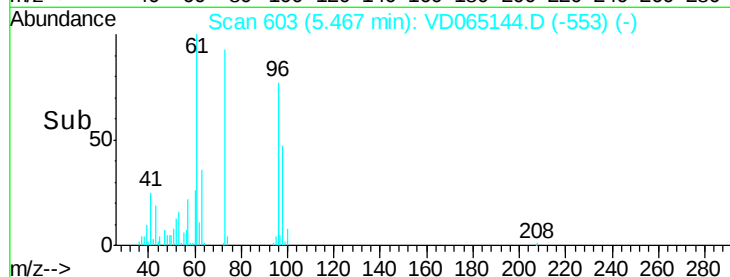
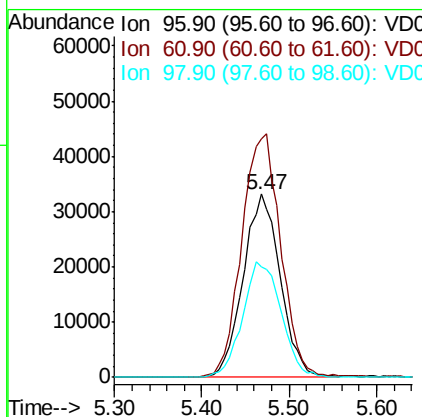
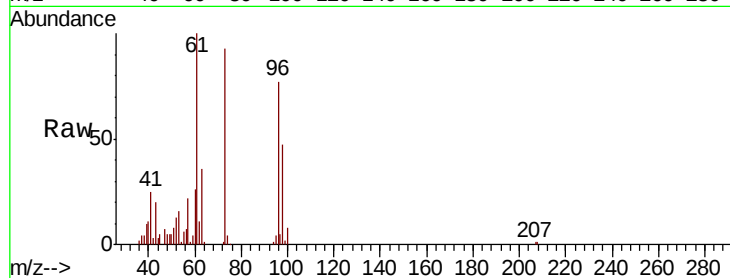
ClientSampleId :

VD0211SBS01

Tot Ion:	96	Resp:	96100
Ion	Ratio	Lower	Upper
96	100		
61	130.1	109.5	164.3
98	60.5	53.7	80.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.871 ug/l

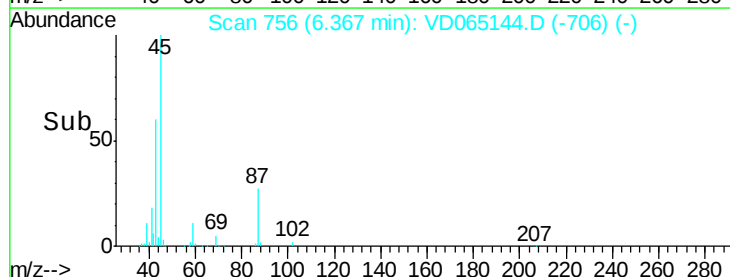
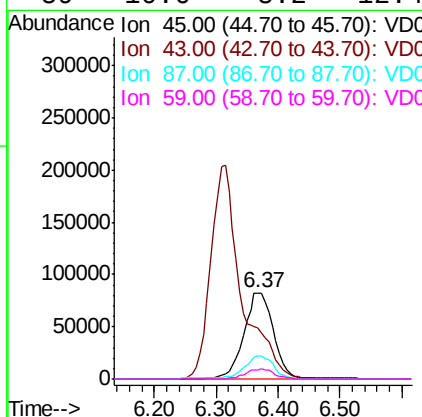
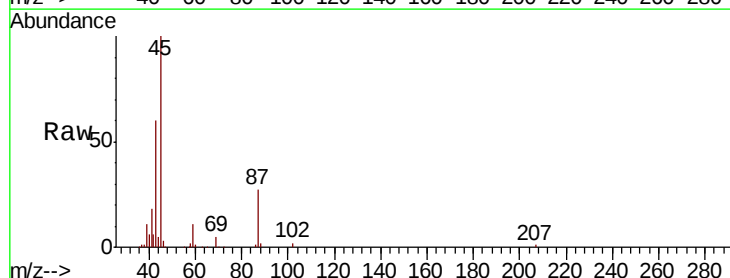
RT: 6.37 min Scan# 756

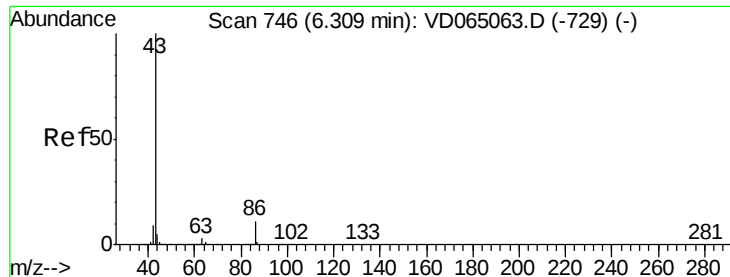
Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	45	Resp:	275063
Ion	Ratio	Lower	Upper
45	100		
43	58.9	41.3	61.9
87	27.1	21.0	31.6
59	10.6	8.2	12.4





#23

Vinyl Acetate

Concen: 100.651 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 43 Resp: 705566

Ion Ratio Lower Upper

43 100

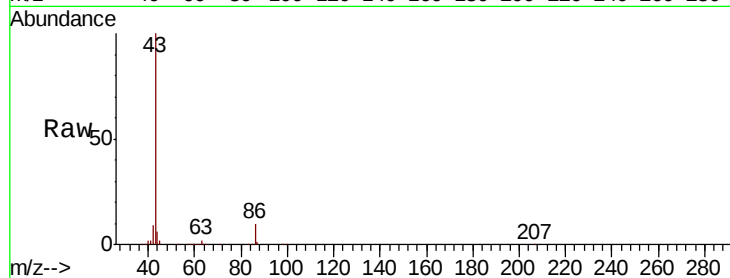
86 10.5 8.5 12.7

Manual Integrations

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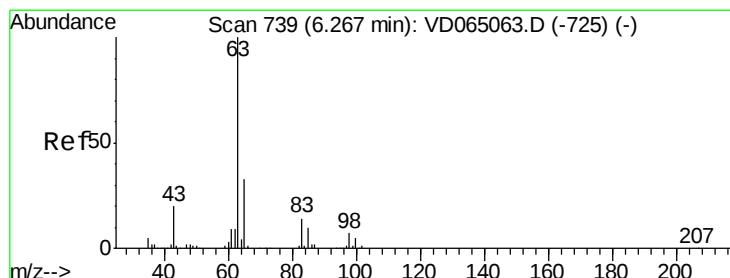
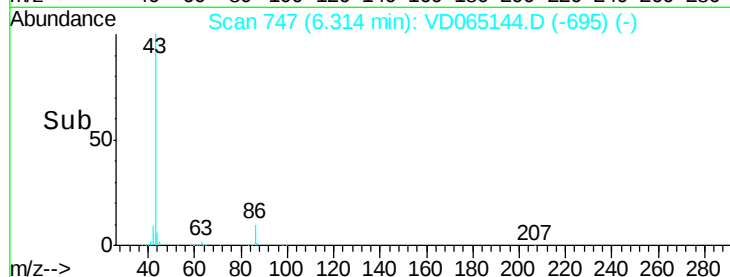
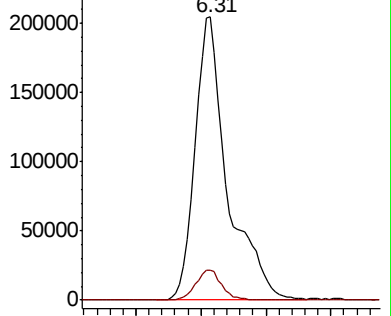
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 22.306 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

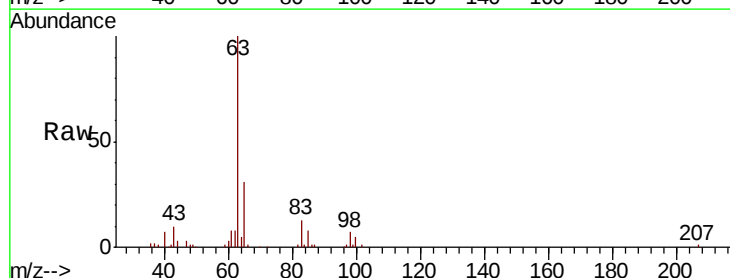
Tgt Ion: 63 Resp: 169807

Ion Ratio Lower Upper

63 100

98 7.3 3.5 10.4

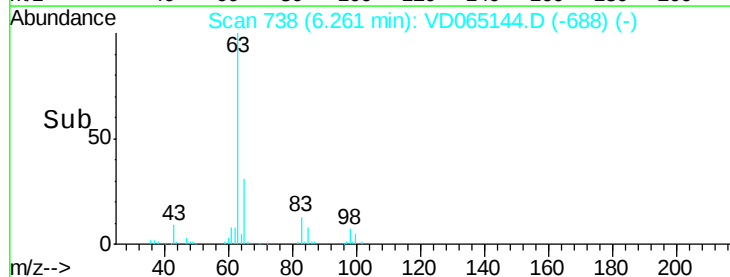
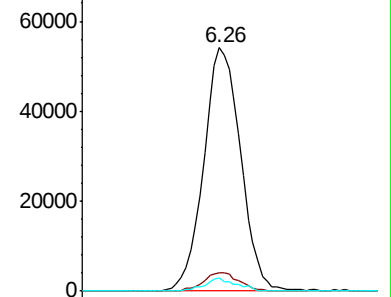
100 5.3 2.5 7.6

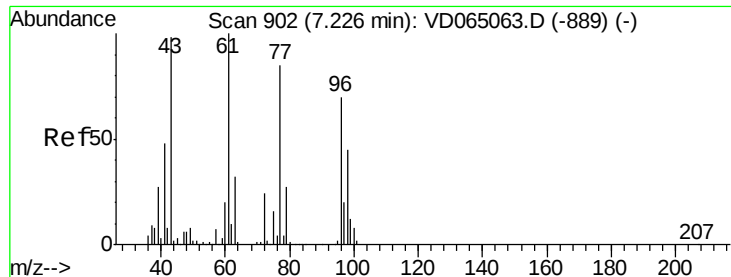


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 104.849 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 43 Resp: 120787

Ion Ratio Lower Upper

43 100

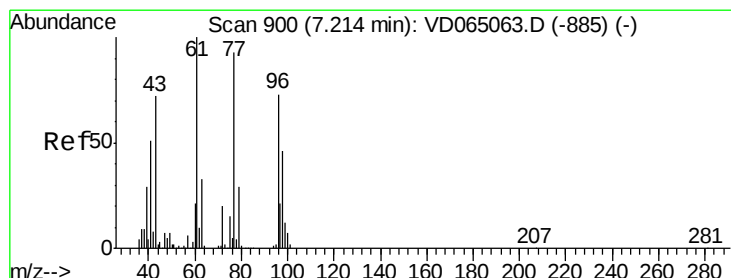
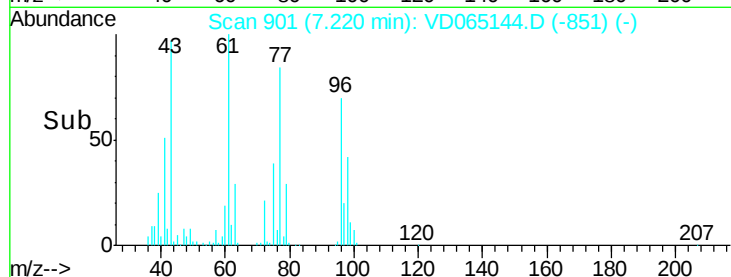
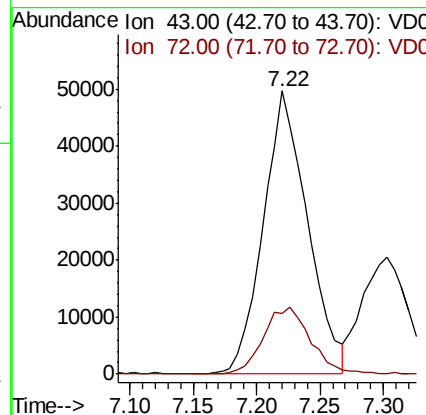
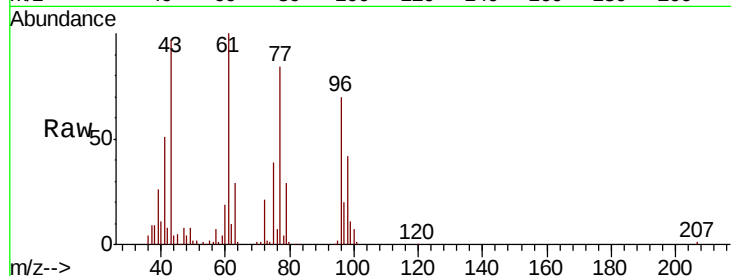
72 21.6 19.9 29.9

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#26

2,2-Dichloropropane

Concen: 21.403 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065144.D

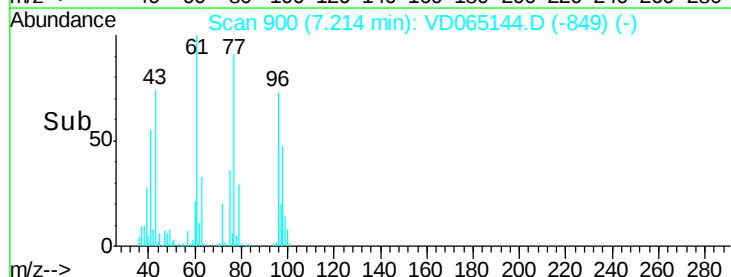
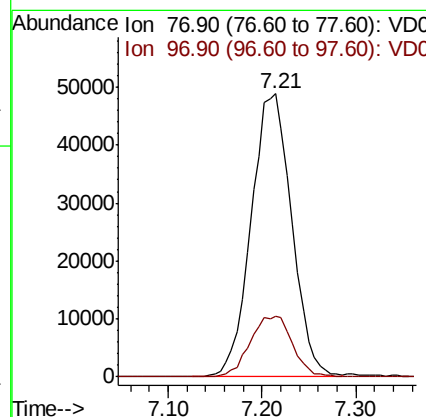
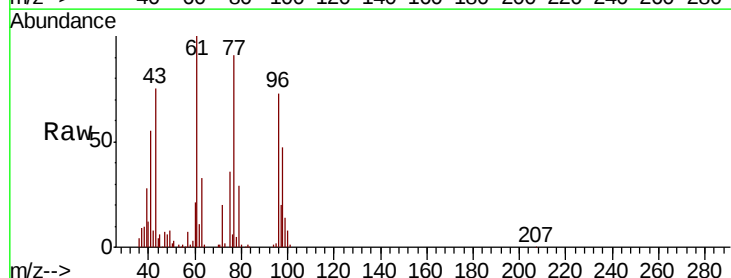
Acq: 11 Feb 2020 12:15

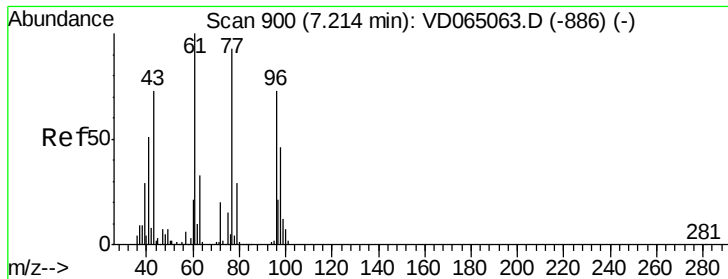
Tgt Ion: 77 Resp: 146035

Ion Ratio Lower Upper

77 100

97 22.3 10.9 32.6





#27

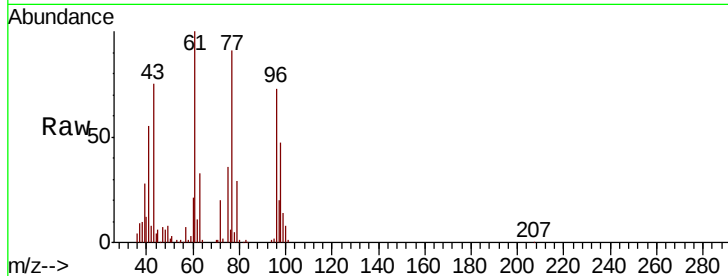
cis-1,2-Dichloroethene
Concen: 21.258 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

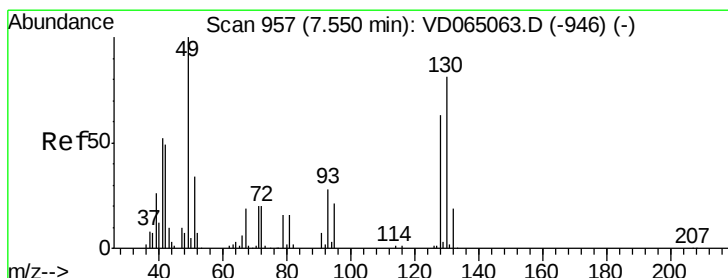
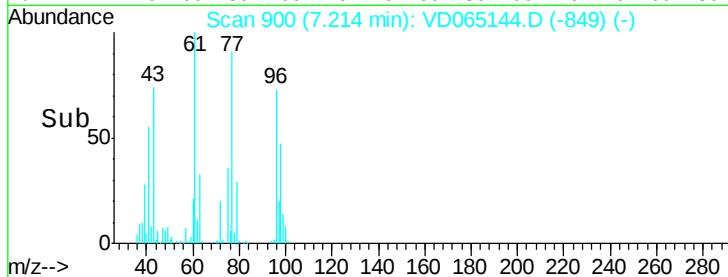
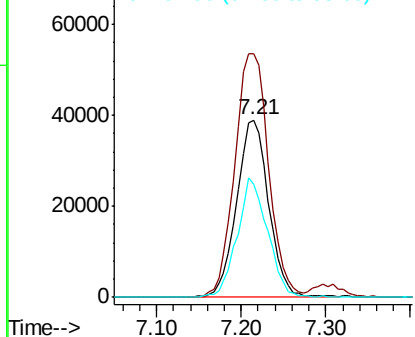
Tot Ion	Ratio	Lower	Upper
96	100		
61	144.9	0.0	292.8
98	63.6	0.0	128.8

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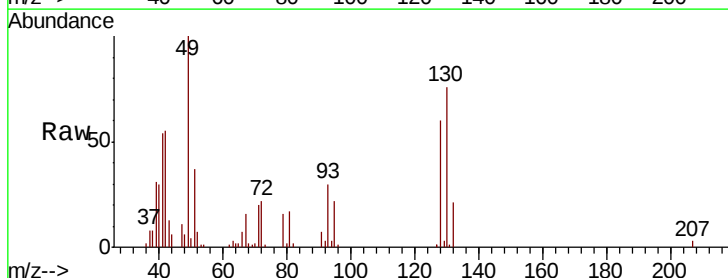
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



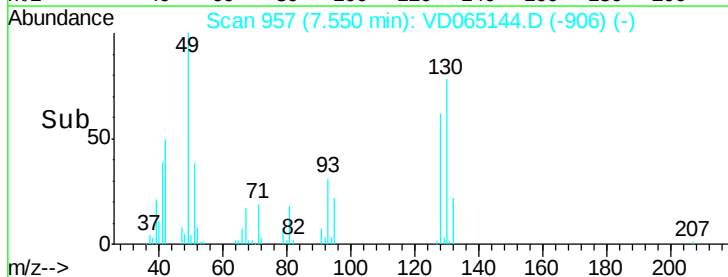
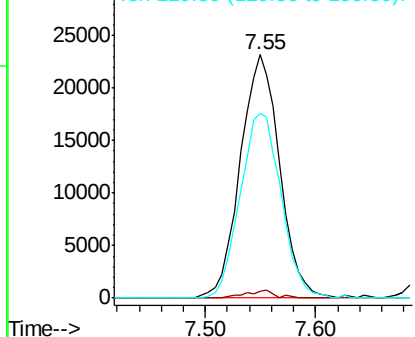
#28

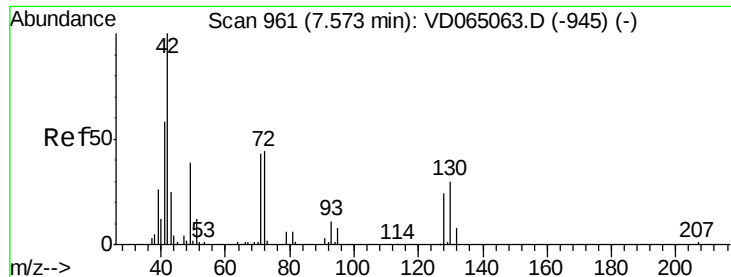
Bromochloromethane
Concen: 20.105 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.4
130	78.8	63.8	95.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





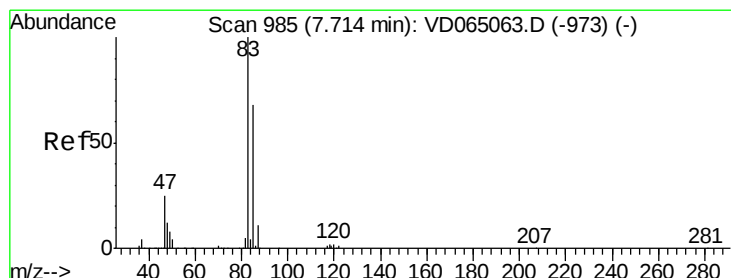
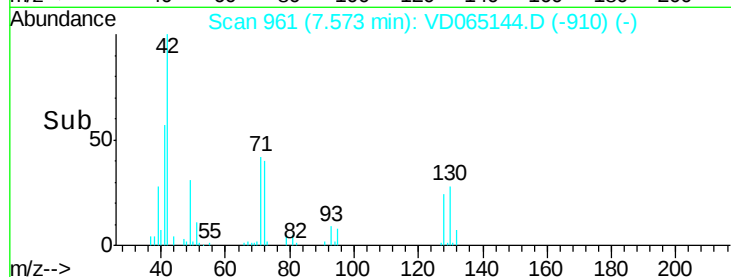
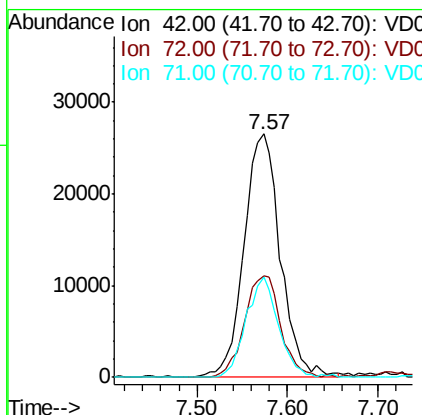
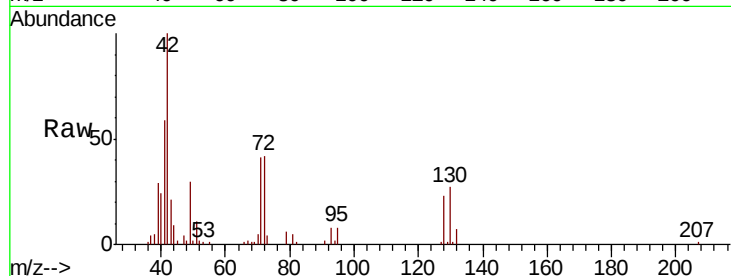
#29
Tetrahydrofuran
Concen: 105.803 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	34.2	51.4
71	36.7	31.8	47.6

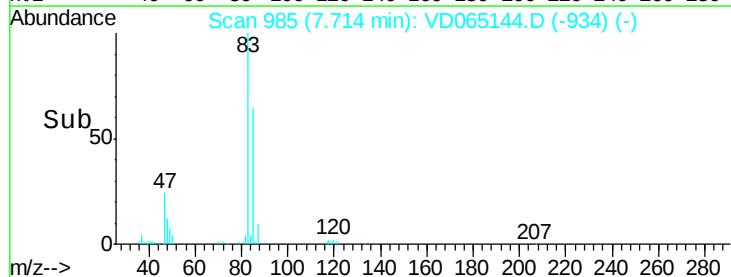
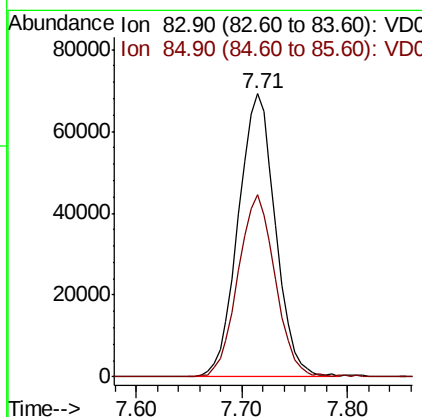
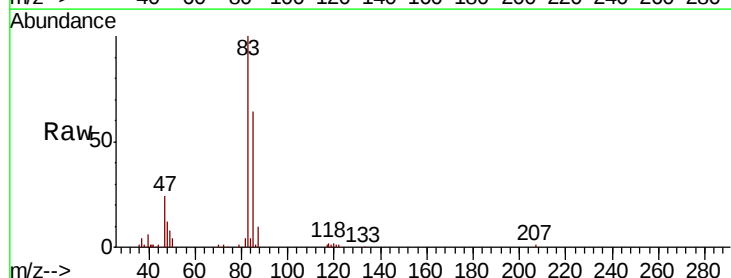
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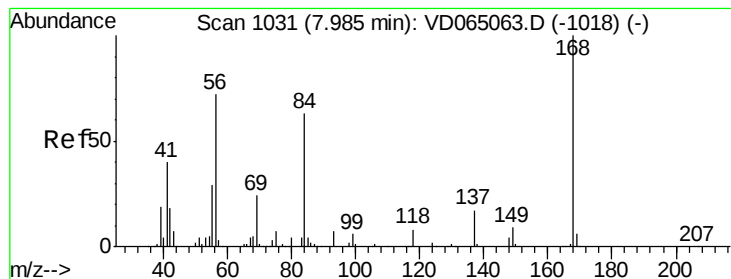
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#30
Chloroform
Concen: 22.273 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	54.2	81.4





#31

Cyclohexane

Concen: 20.659 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 56 Resp: 158749

Ion Ratio Lower Upper

56 100

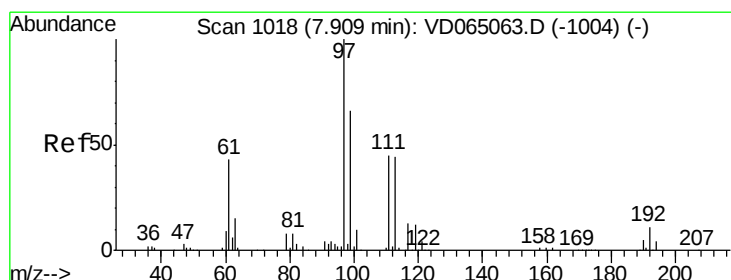
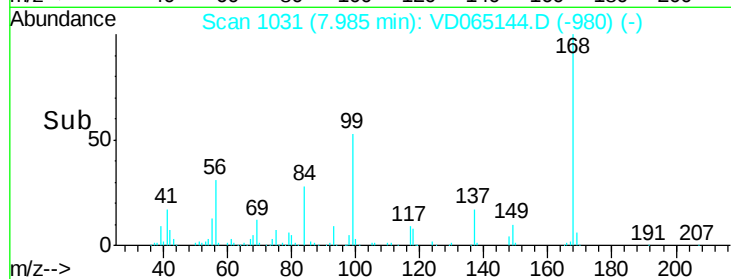
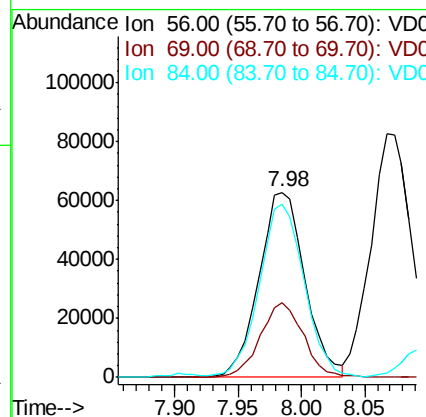
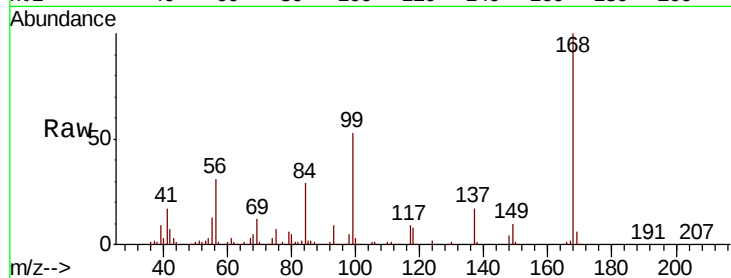
69 40.5 26.6 40.0#

84 92.1 70.6 106.0

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#32

1,1,1-Trichloroethane

Concen: 21.838 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

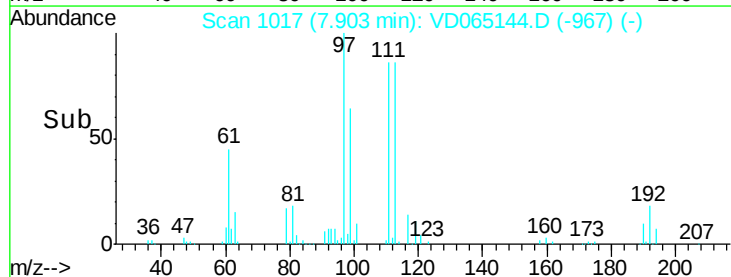
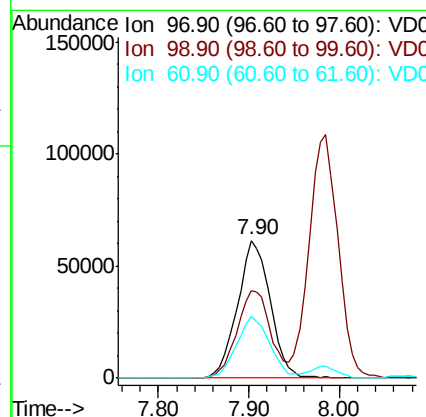
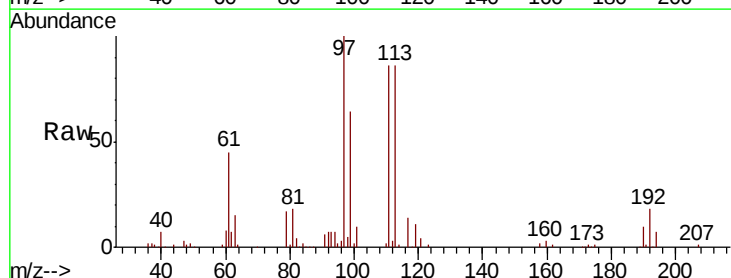
Tgt Ion: 97 Resp: 154191

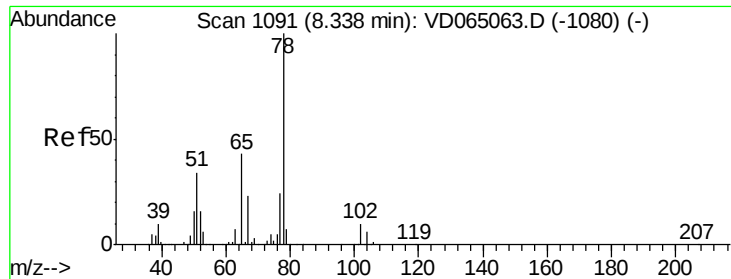
Ion Ratio Lower Upper

97 100

99 65.2 51.5 77.3

61 44.9 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 58.336 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 65 Resp: 225337

Ion Ratio Lower Upper

65 100

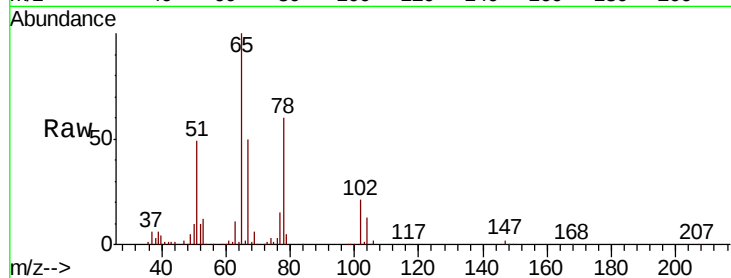
67 52.3 0.0 105.8

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

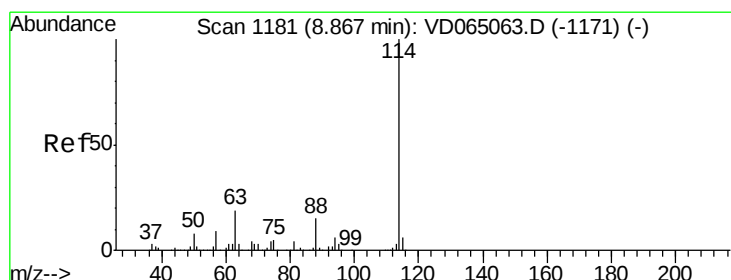
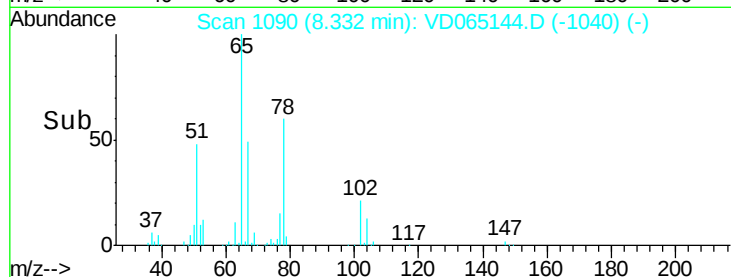
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

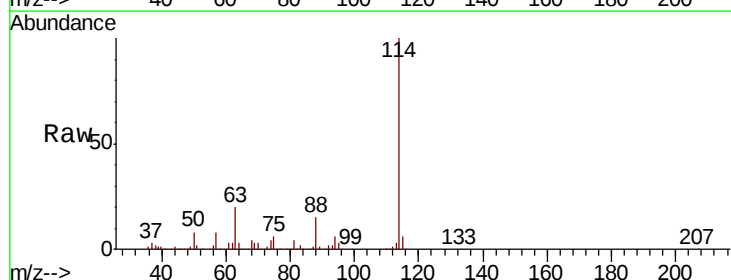
Tgt Ion: 114 Resp: 682309

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

88 14.7 0.0 29.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

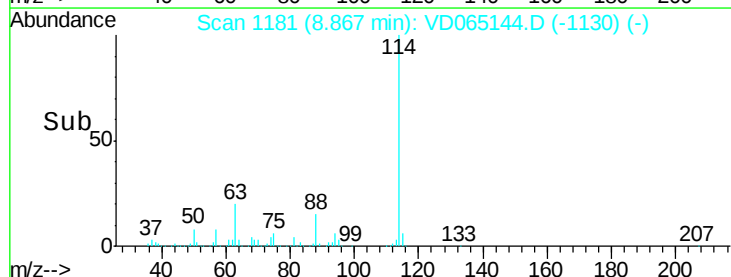
300000

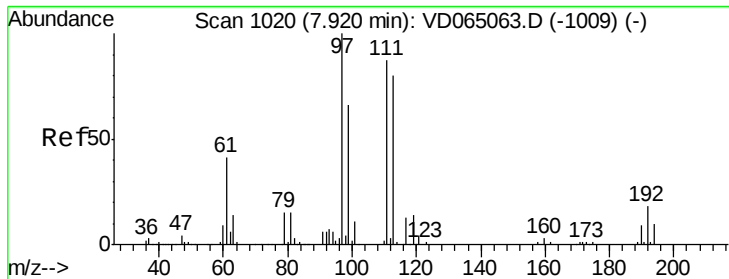
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 58.240 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

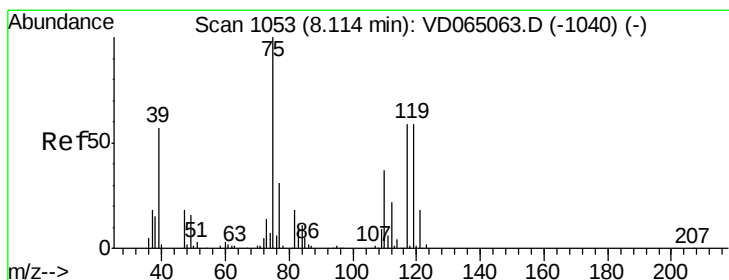
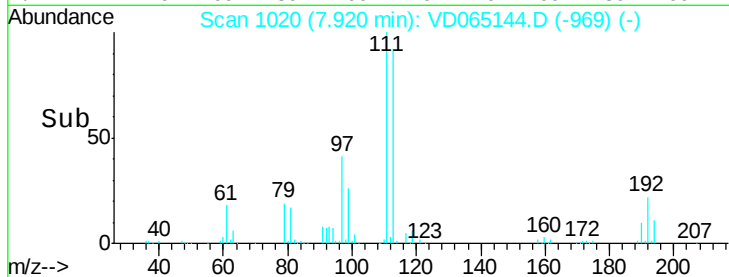
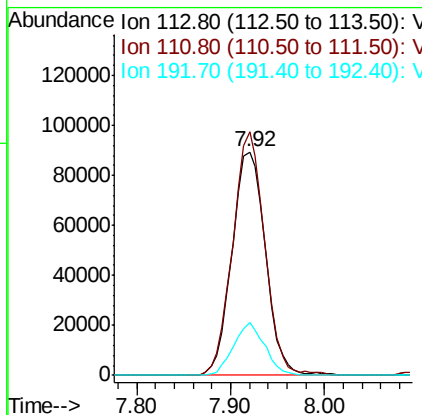
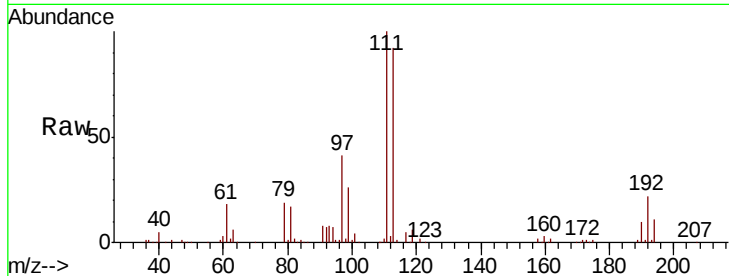
ClientSampleId :

VD0211SBSD01

Tot Ion:	113	Resp:	221712
Ion Ratio	Lower	Upper	
113	100		
111	104.1	83.1	124.7
192	22.1	18.1	27.1

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#36

1,1-Dichloropropene

Concen: 21.423 ug/l

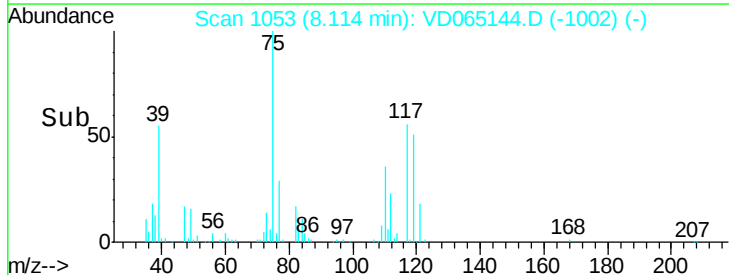
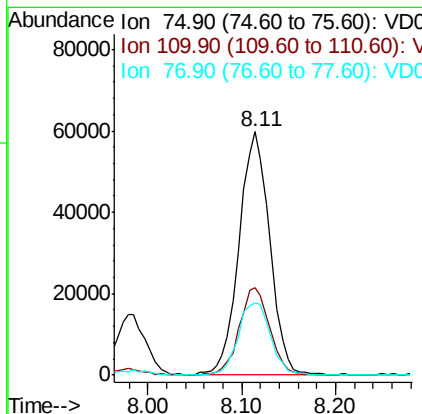
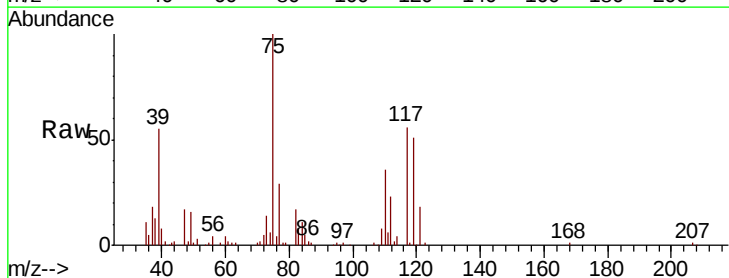
RT: 8.11 min Scan# 1053

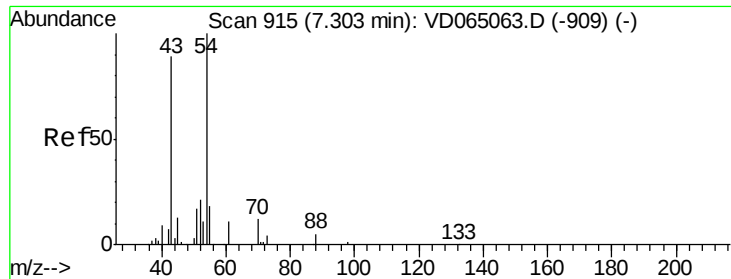
Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	75	Resp:	135920
Ion Ratio	Lower	Upper	
75	100		
110	35.6	18.1	54.3
77	31.2	24.7	37.1





#37

Ethyl Acetate

Concen: 20.691 ug/l

RT: 7.30 min Scan# 915

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

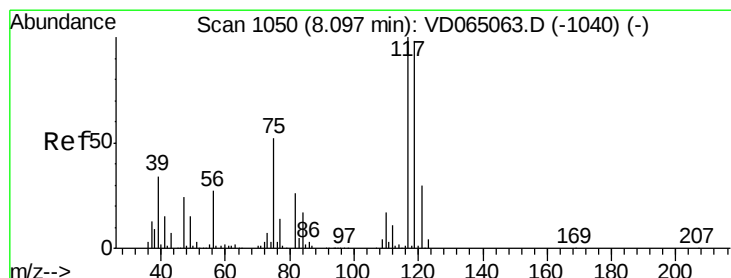
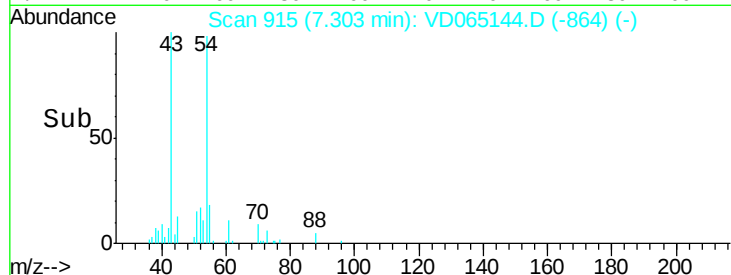
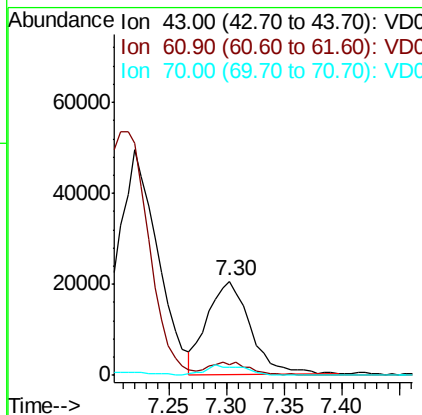
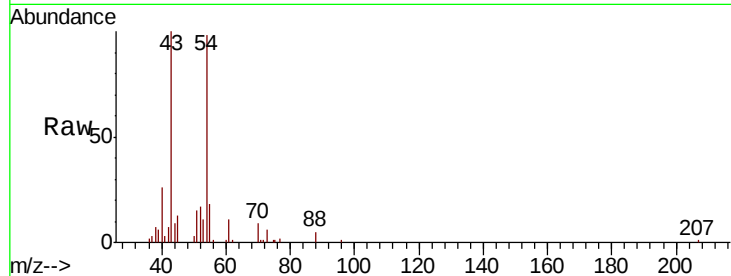
ClientSampleId :

VD0211SBSD01

Tot Ion:	43	Resp:	53630
Ion	Ratio	Lower	Upper
43	100		
61	13.7	11.0	16.4
70	10.3	8.2	12.2

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#38

Carbon Tetrachloride

Concen: 22.093 ug/l

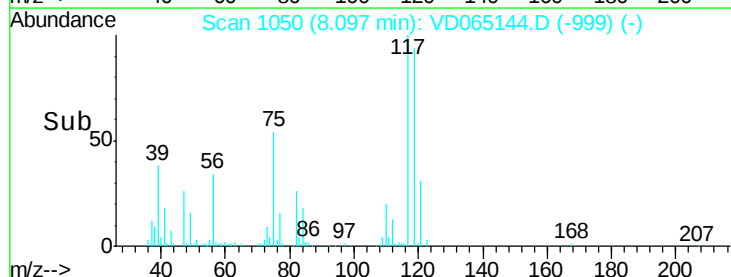
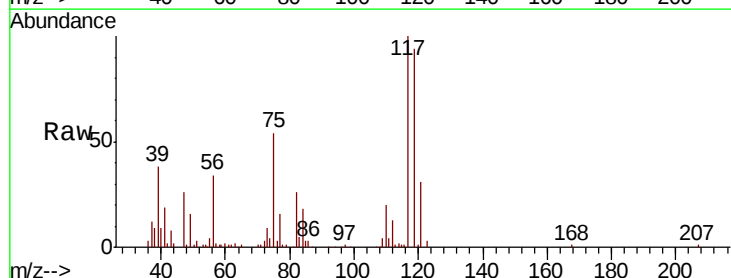
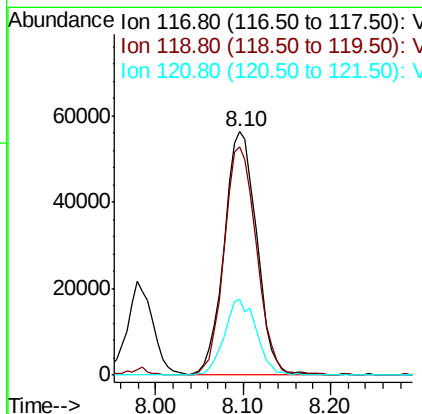
RT: 8.10 min Scan# 1050

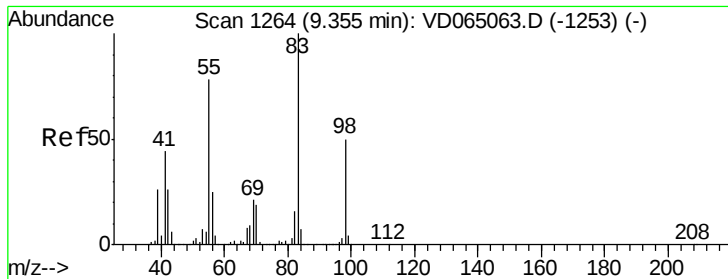
Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	117	Resp:	143160
Ion	Ratio	Lower	Upper
117	100		
119	93.6	78.5	117.7
121	31.2	23.8	35.6





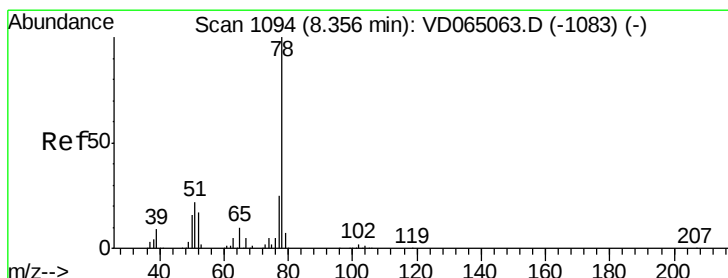
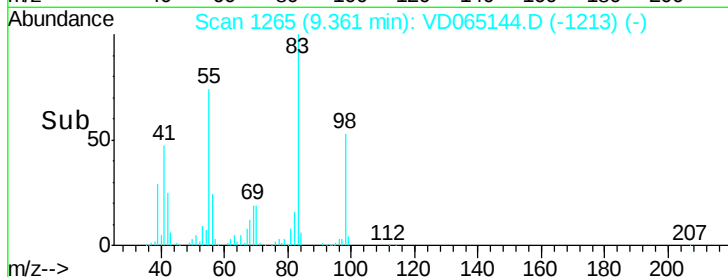
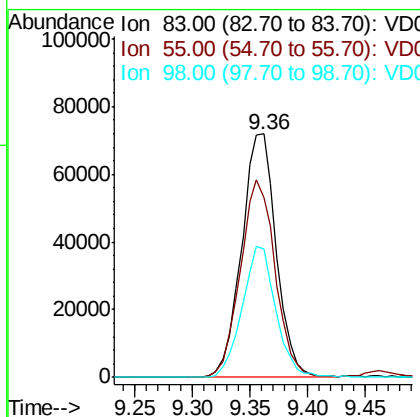
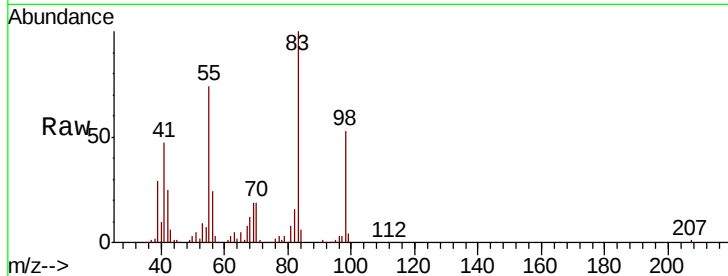
#39
Methvlcvclohexane
Concen: 19.208 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	150420		
55	73.7	62.0	93.0	
98	52.6	39.9	59.9	

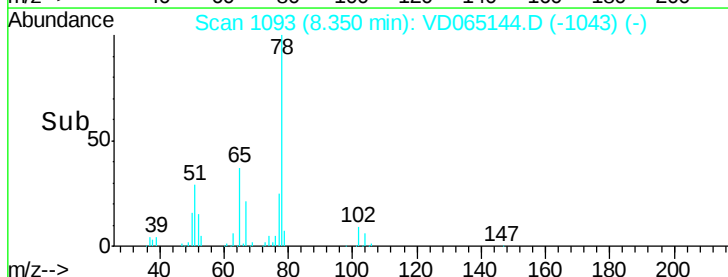
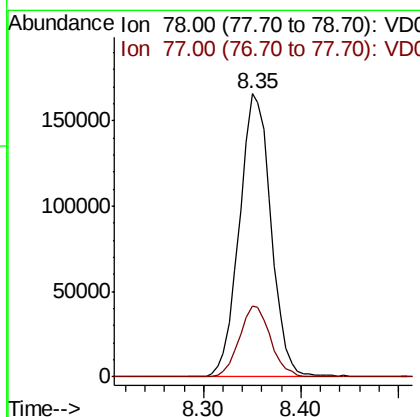
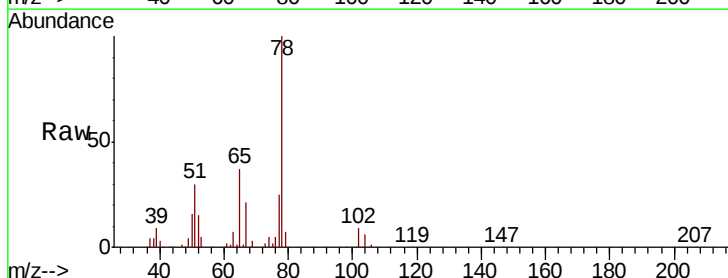
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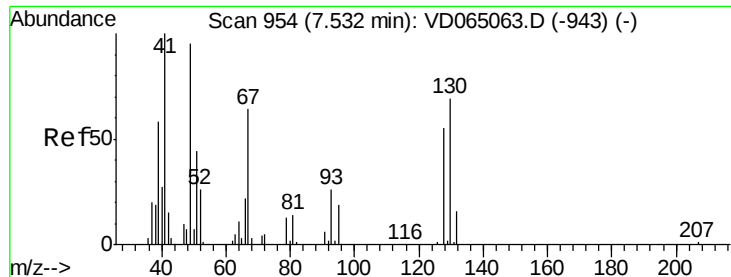
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#40
Benzene
Concen: 21.483 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	376377		
77	24.9	19.6	29.4	





#41

Methacrylonitrile

Concen: 21.714 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 41 Resp: 31006

Ion Ratio Lower Upper

41 100

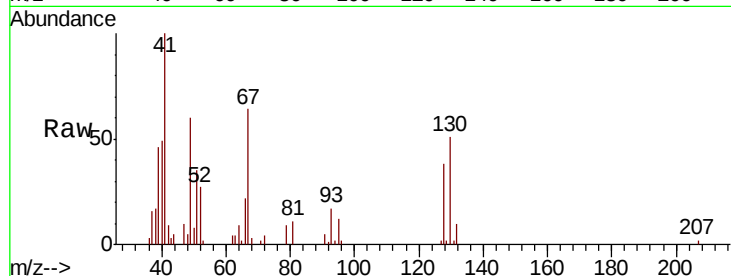
39 54.5 55.4 83.0#

67 71.1 59.0 88.6

52 31.2 25.4 38.0

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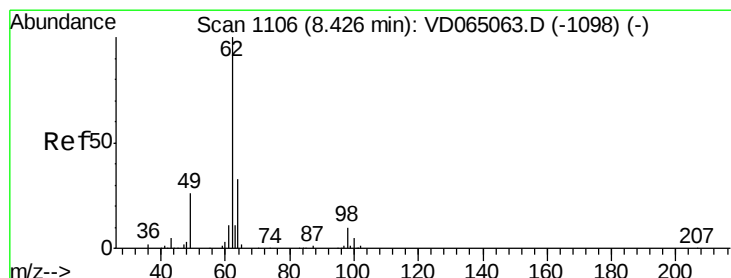
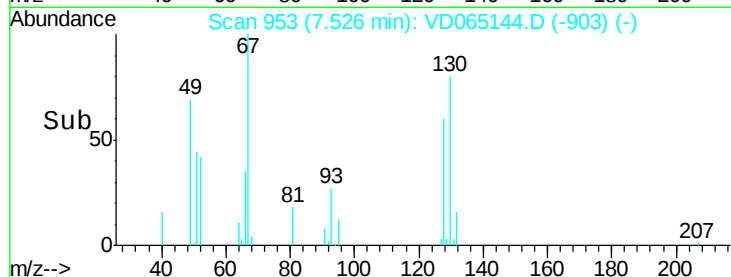
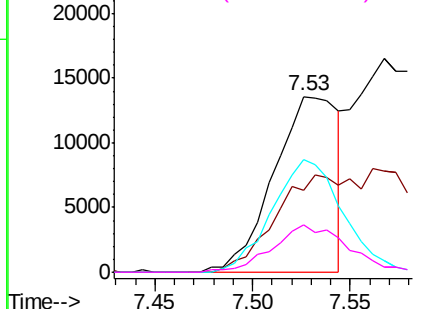
Abundance

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 21.421 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD065144.D

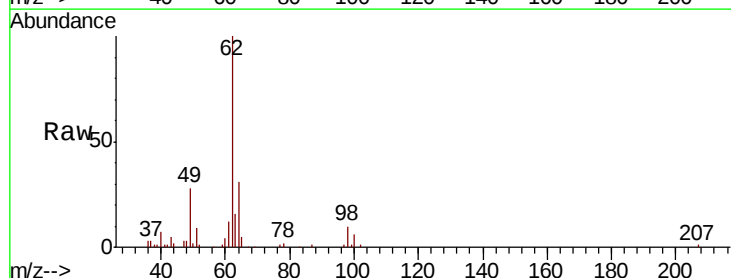
Acq: 11 Feb 2020 12:15

Tgt Ion: 62 Resp: 106937

Ion Ratio Lower Upper

62 100

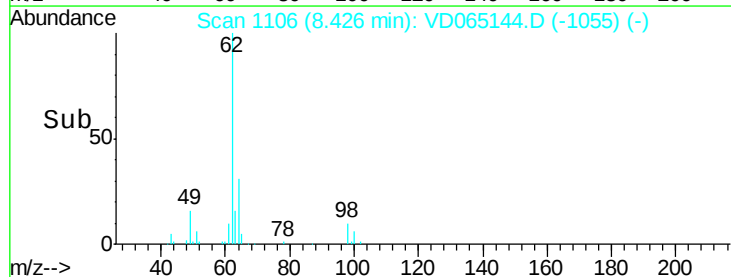
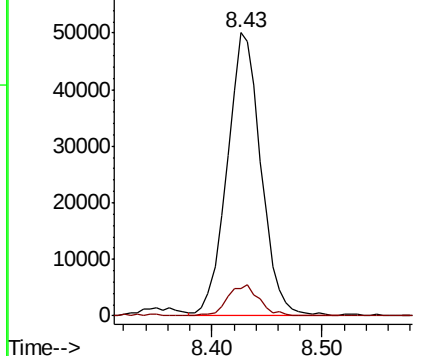
98 10.2 0.0 18.6

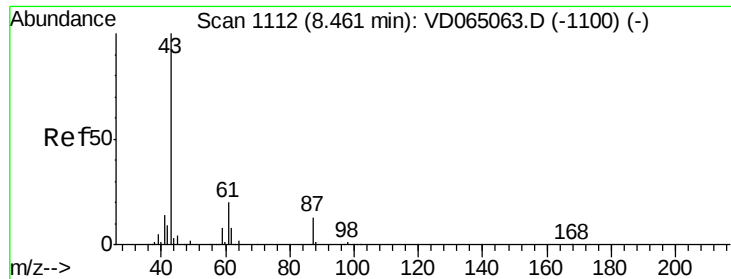


Abundance

Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 20.273 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

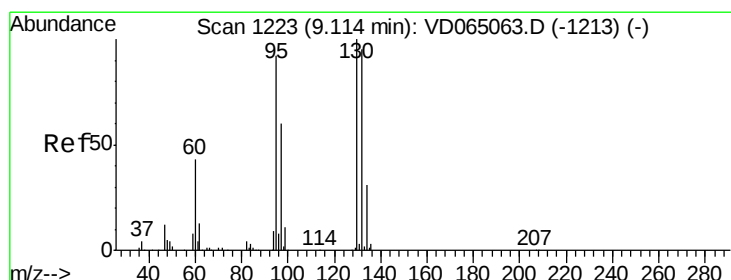
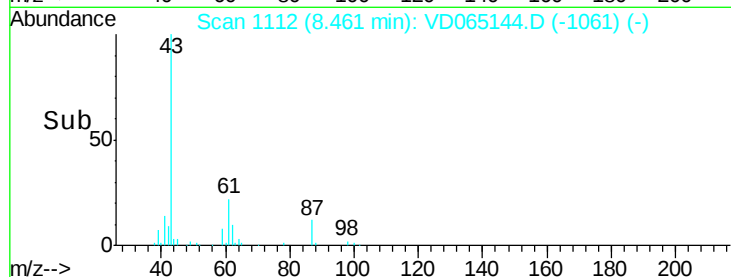
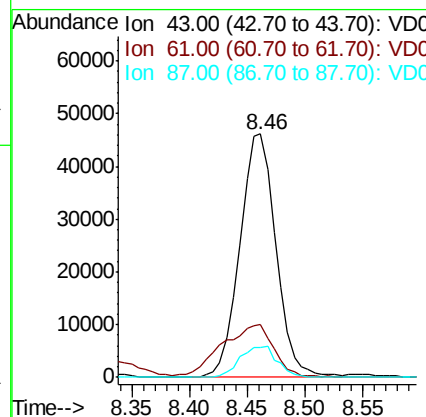
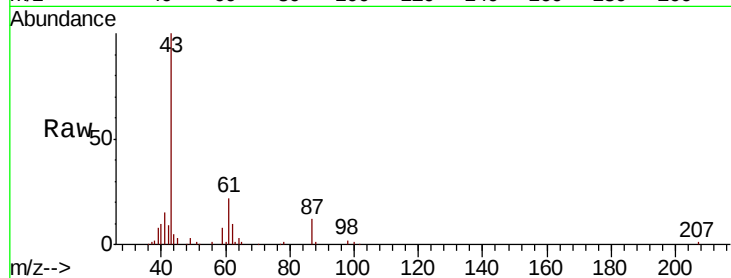
ClientSampleId :

VD0211SBS01

Tot Ion	43	Resp	100515
Ion Ratio	Lower	Upper	
43	100		
61	31.4	24.0	36.0
87	13.0	10.2	15.4

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#44

Trichloroethene

Concen: 20.621 ug/l

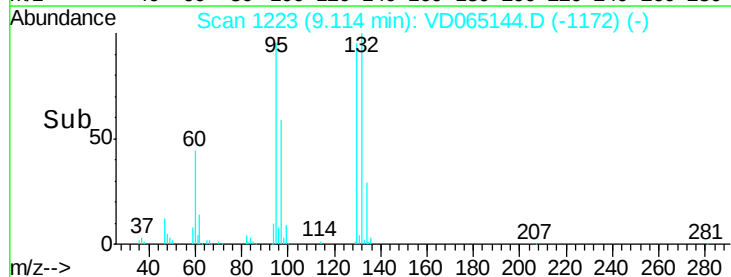
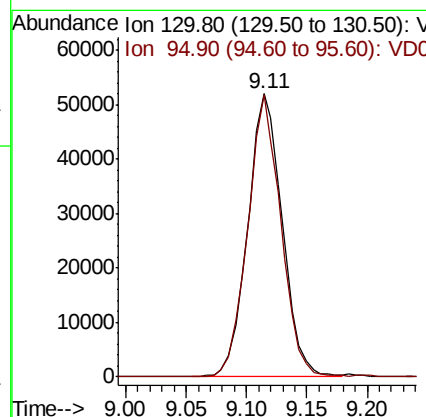
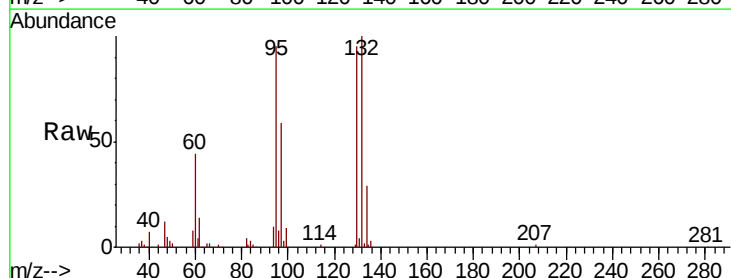
RT: 9.11 min Scan# 1223

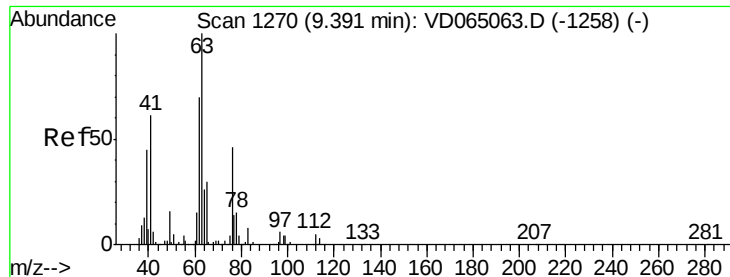
Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion	130	Resp	103698
Ion Ratio	Lower	Upper	
130	100		
95	99.5	0.0	185.0





#45

1,2-Dichloropropane

Concen: 22.266 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 63 Resp: 93532

Ion Ratio Lower Upper

63 100

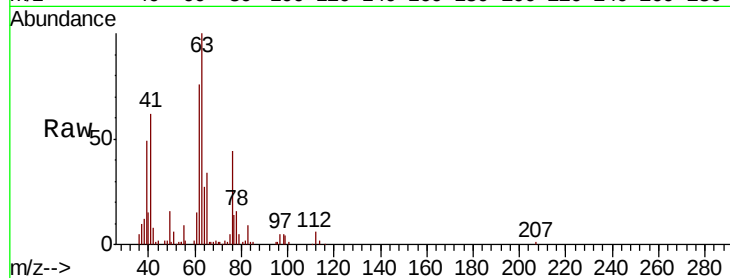
65 34.2 23.9 35.9

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.39

50000

40000

30000

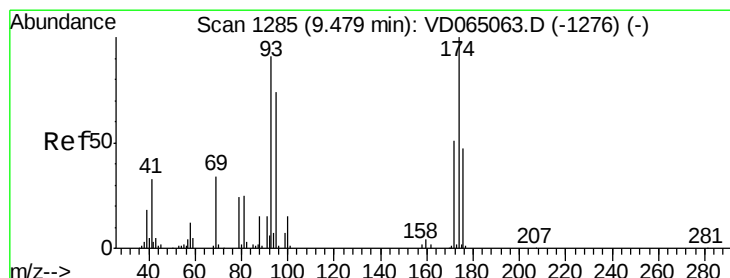
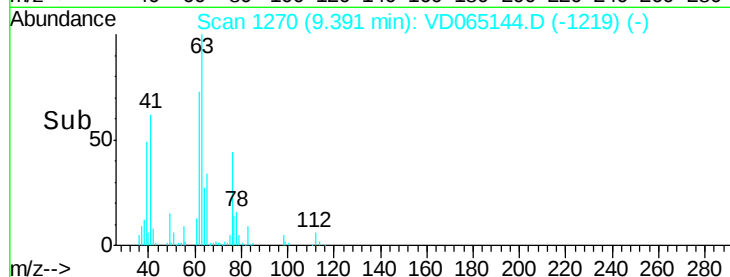
20000

10000

0

Time-->

9.30 9.35 9.40 9.45



#46

Dibromomethane

Concen: 22.410 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

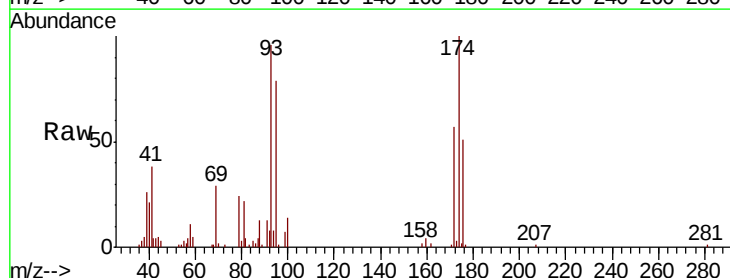
Tgt Ion: 93 Resp: 49466

Ion Ratio Lower Upper

93 100

95 82.2 66.5 99.7

174 107.0 89.8 134.8



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

9.48

30000

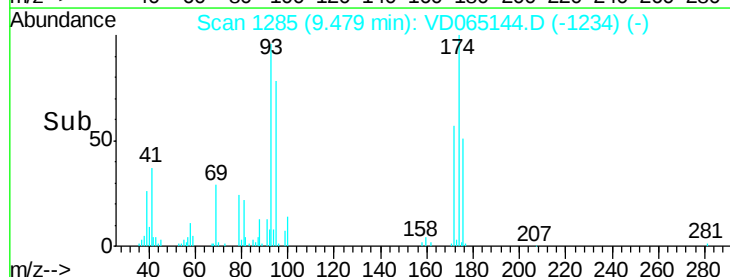
20000

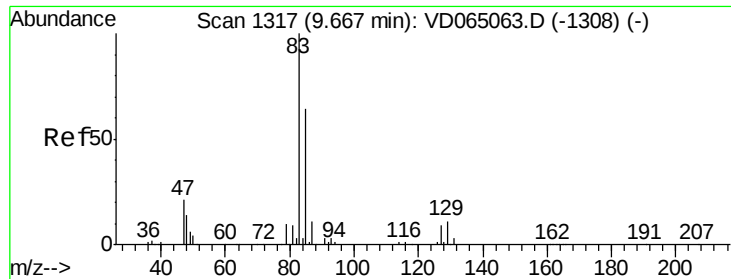
10000

0

Time-->

9.40 9.45 9.50 9.55





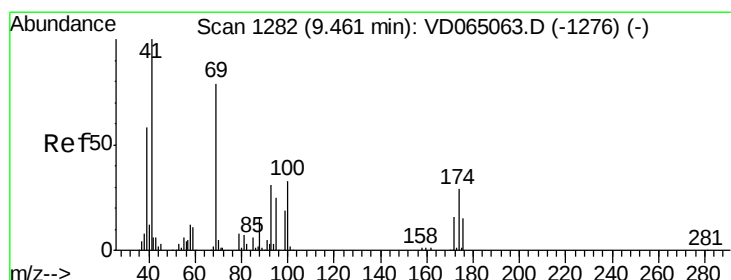
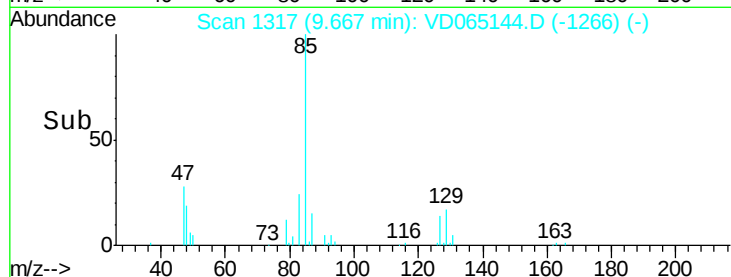
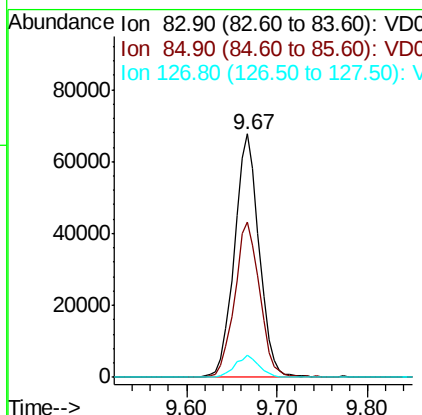
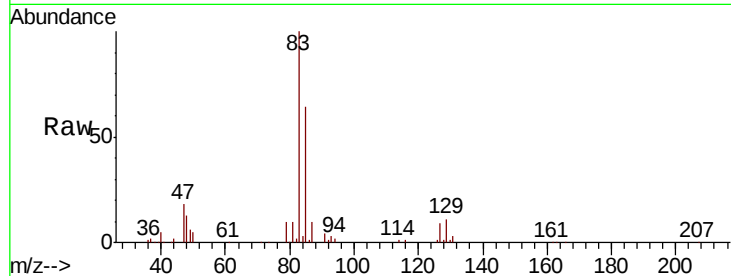
#47
Bromodichloromethane
Concen: 22.119 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.0	76.6
127	9.0	7.3	10.9

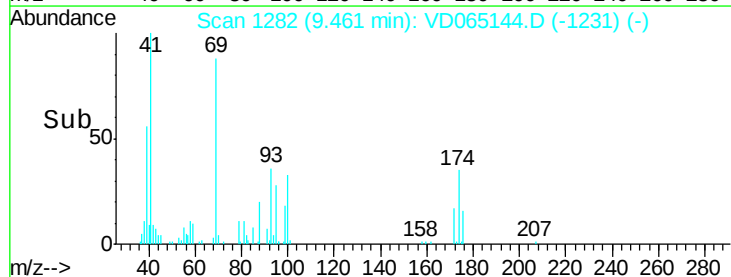
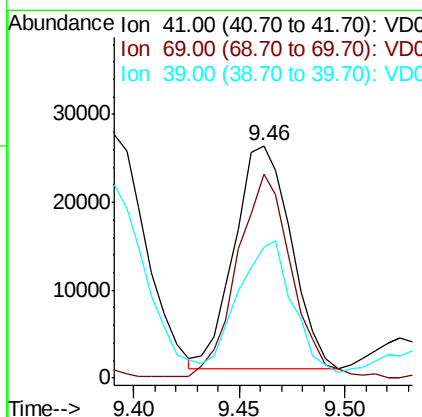
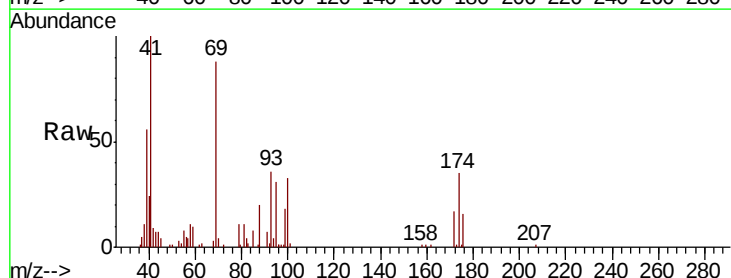
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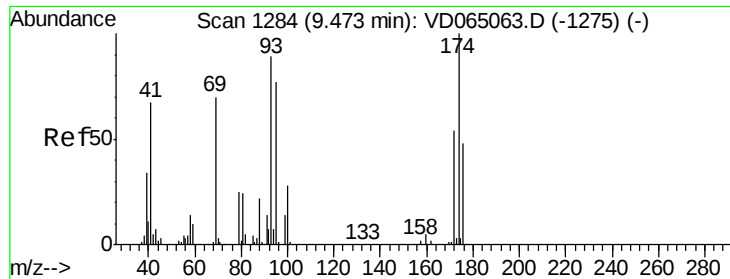
MMDadoda
2/12/2020 3:12:52 PM



#48
Methyl methacrylate
Concen: 19.863 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
41	100		
69	88.3	67.5	101.3
39	56.1	47.0	70.4





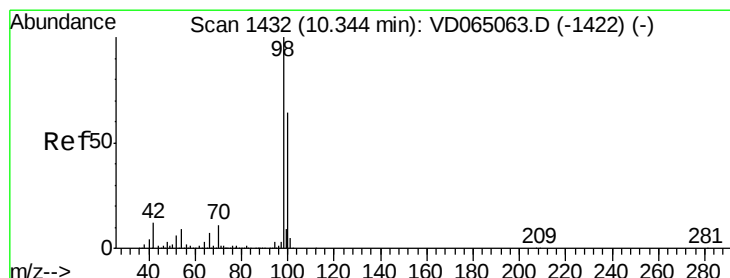
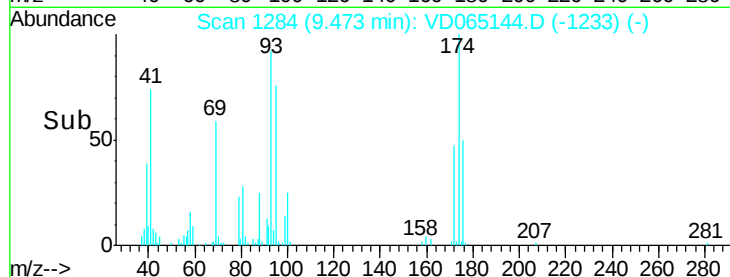
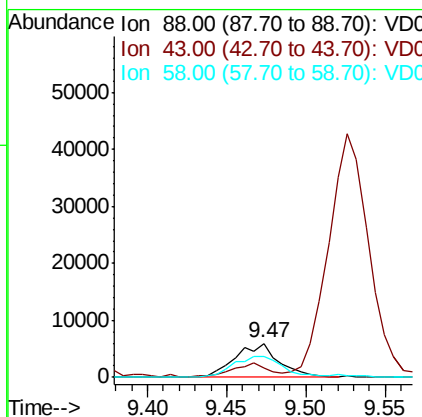
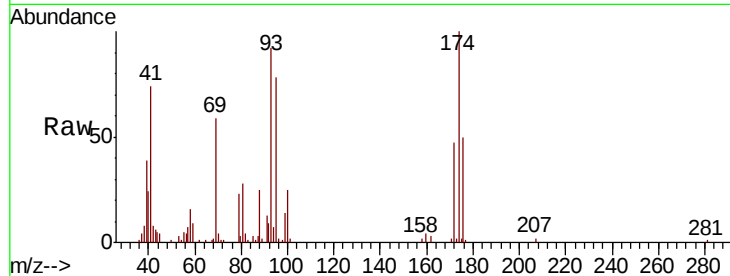
#49
1,4-Dioxane
Concen: 430.192 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.1	27.7	41.5
58	75.7	55.5	83.3

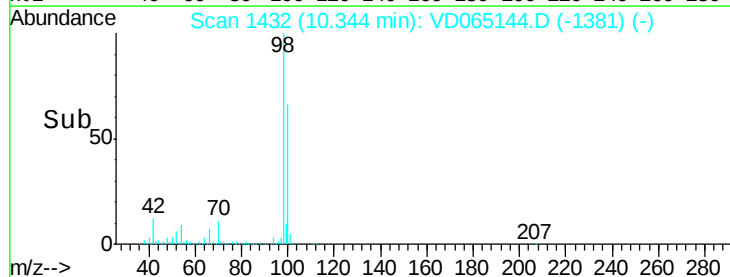
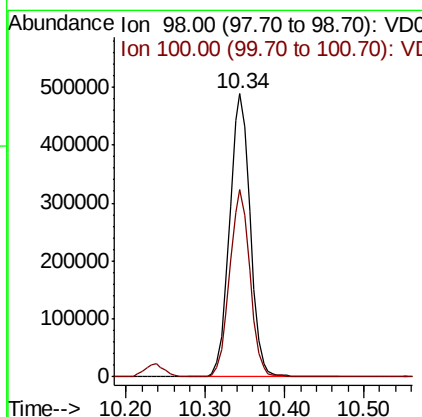
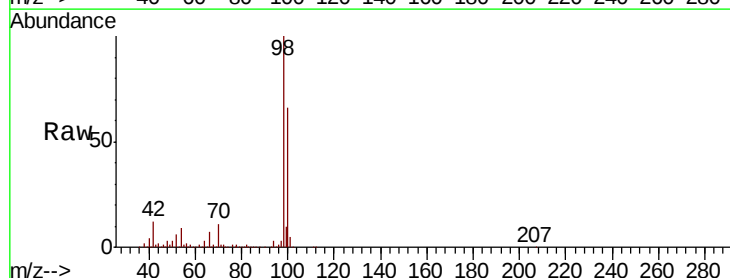
Manual Integrations
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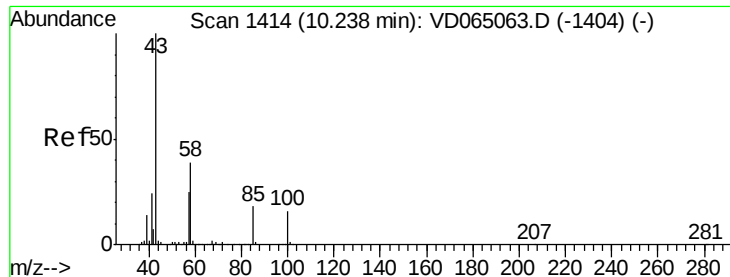
MMDadoda
2/12/2020 3:12:52 PM



#50
Toluene-d8
Concen: 57.722 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 104.345 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 43 Resp: 254653

Ion Ratio Lower Upper

43 100

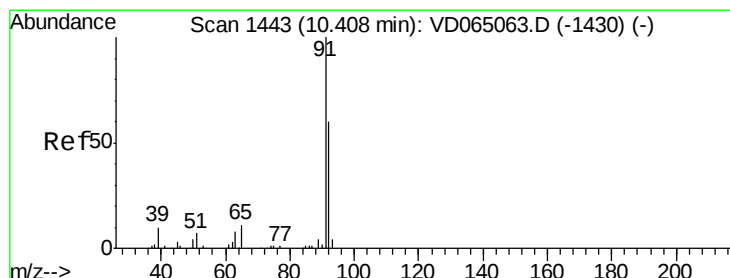
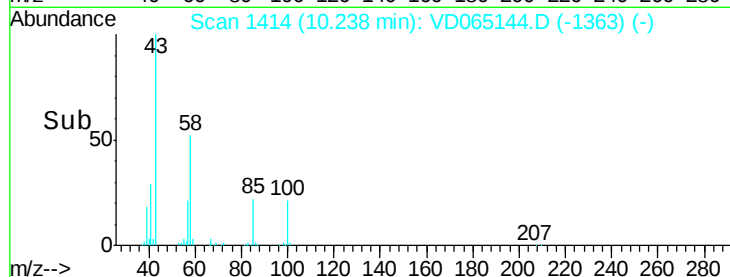
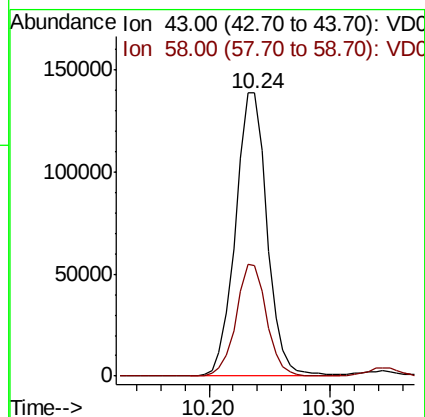
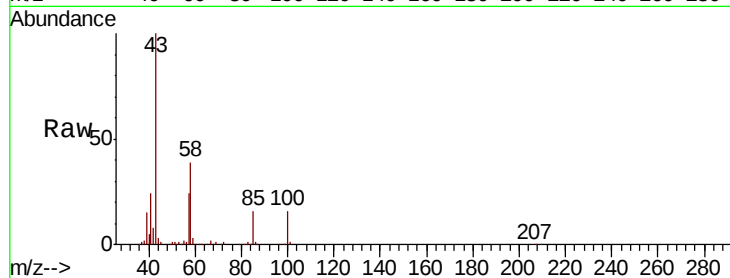
58 38.2 30.2 45.2

Manual Integrations

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#52

Toluene

Concen: 21.704 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065144.D

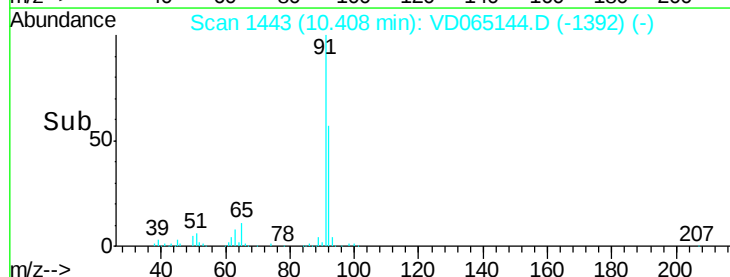
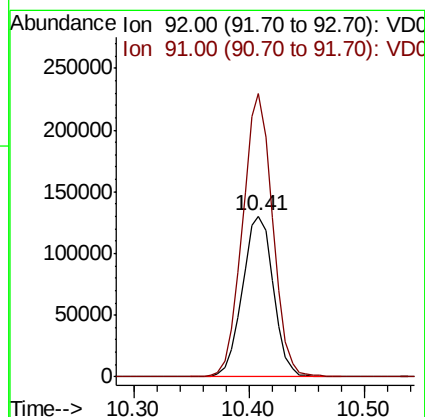
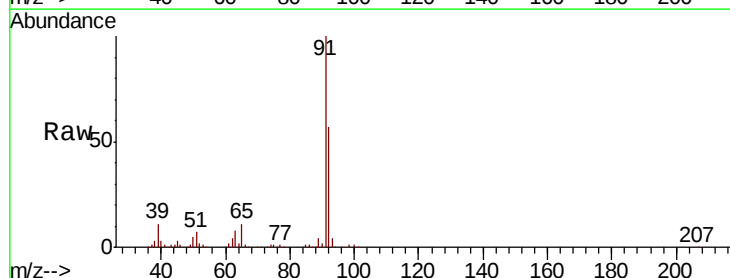
Acq: 11 Feb 2020 12:15

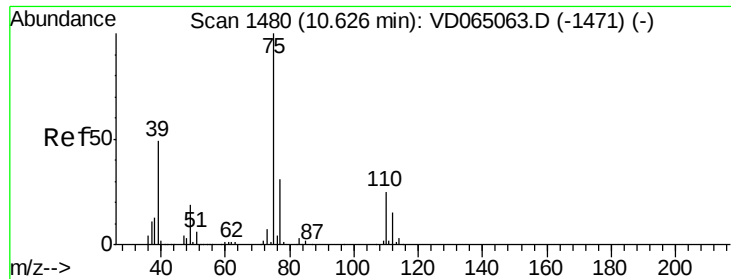
Tgt Ion: 92 Resp: 242694

Ion Ratio Lower Upper

92 100

91 171.4 135.3 202.9





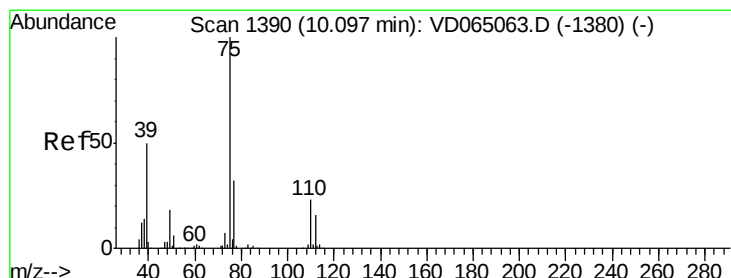
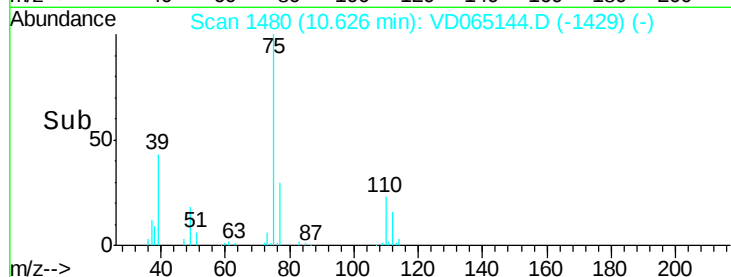
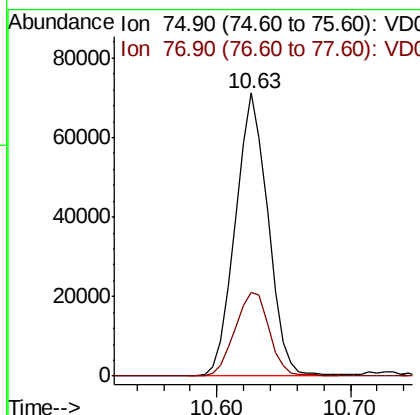
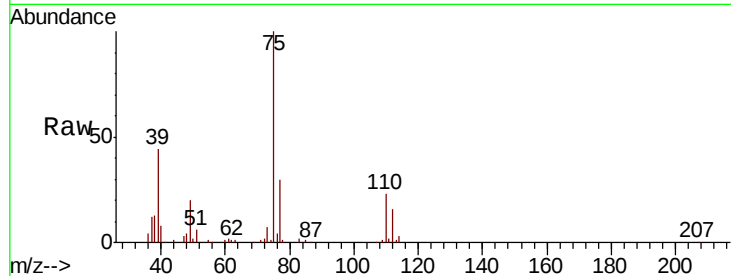
#53
t-1,3-Dichloropropene
Concen: 21.368 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.8	24.9	37.3

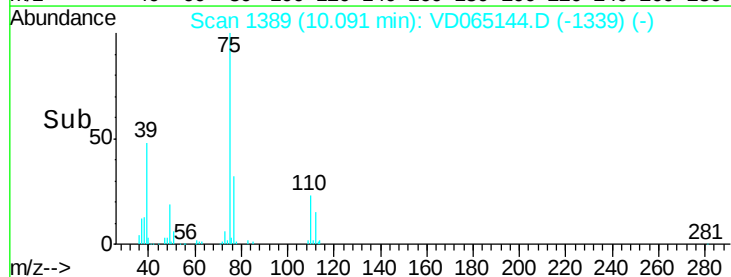
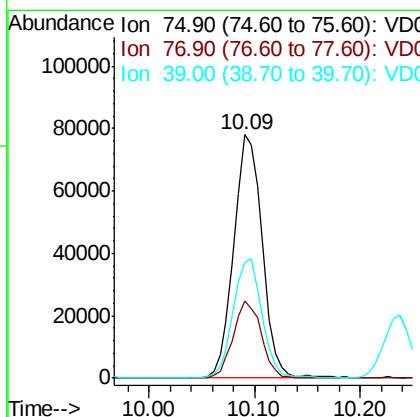
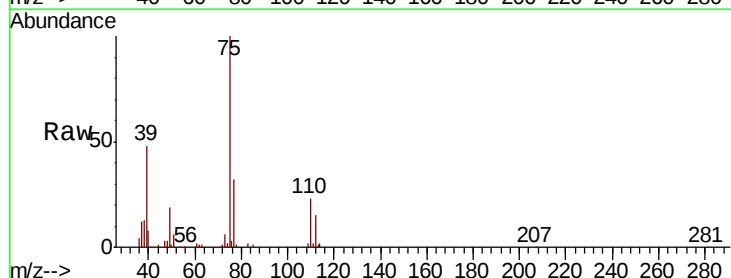
Manual Integrations
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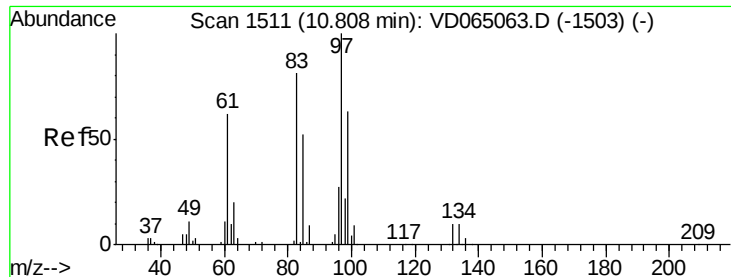
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.446 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.3	37.9
39	47.4	40.3	60.5





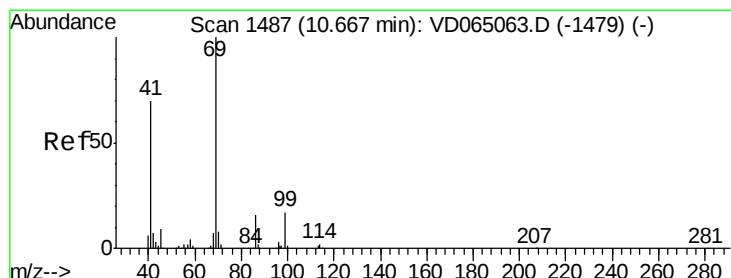
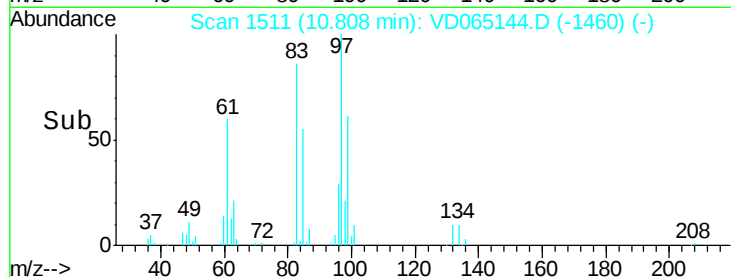
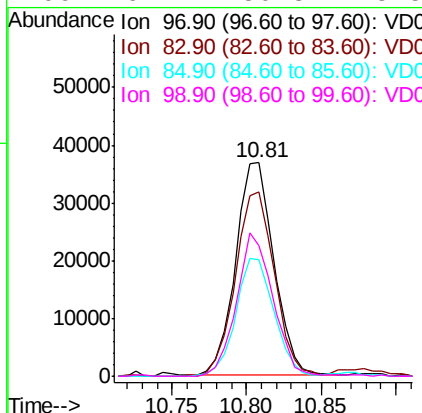
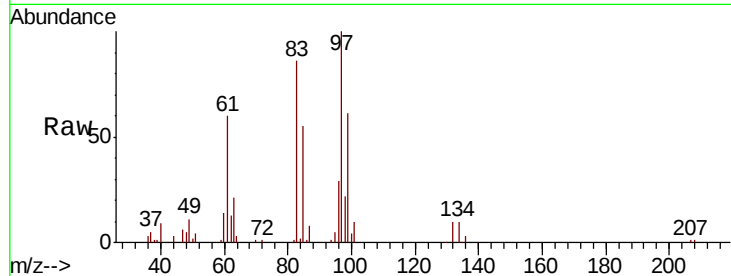
#55
 1,1,2-Trichloroethane
 Concen: 21.727 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		65783		
83	86.1	64.8	97.2		
85	54.7	41.2	61.8		
99	61.1	50.3	75.5		

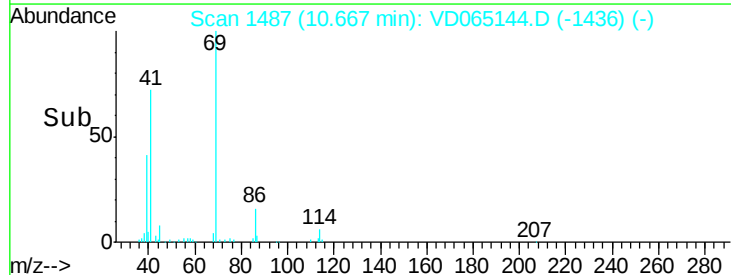
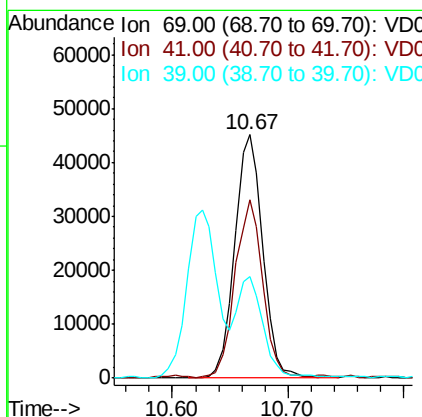
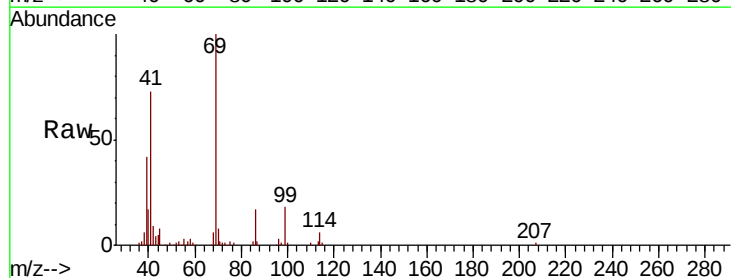
Manual Integrations
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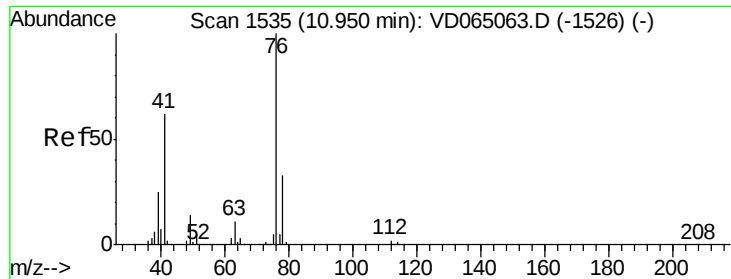
MMDadoda
 2/12/2020 3:12:52 PM



#56
 Ethyl methacrylate
 Concen: 19.837 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		75993		
41	72.6	55.9	83.9		
39	39.9	29.4	44.0		





#57

1,3-Dichloropropane

Concen: 21.590 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion: 76 Resp: 114945

Ion Ratio Lower Upper

76 100

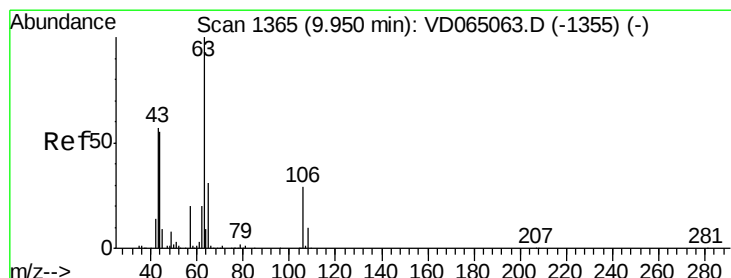
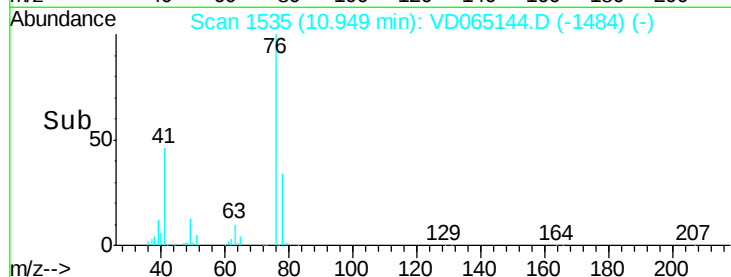
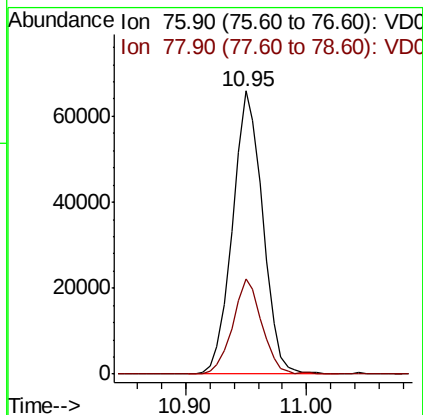
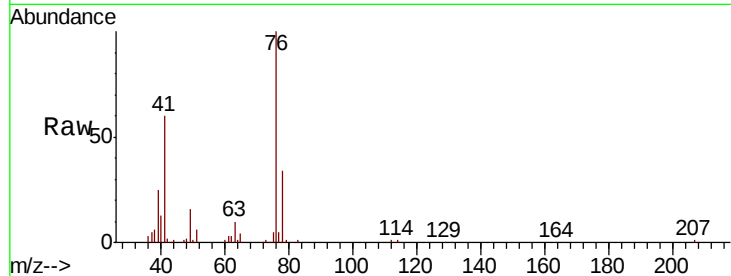
78 32.6 25.8 38.6

Manual Integrations

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MMDadoda

2/12/2020 3:12:52 PM



#58

2-Chloroethyl Vinyl ether

Concen: 88.223 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065144.D

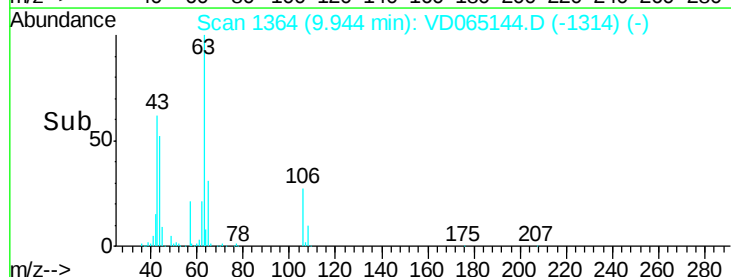
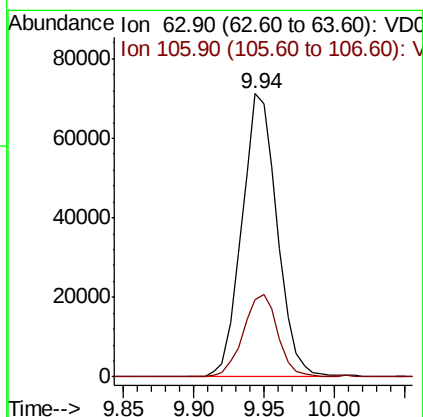
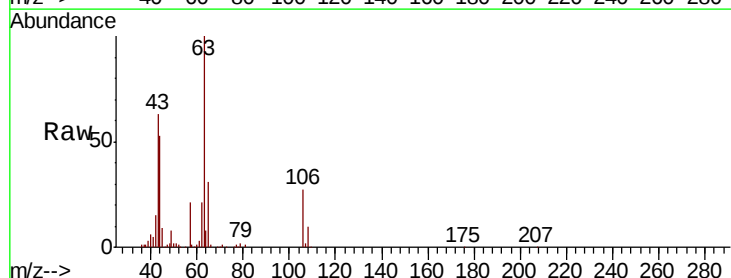
Acq: 11 Feb 2020 12:15

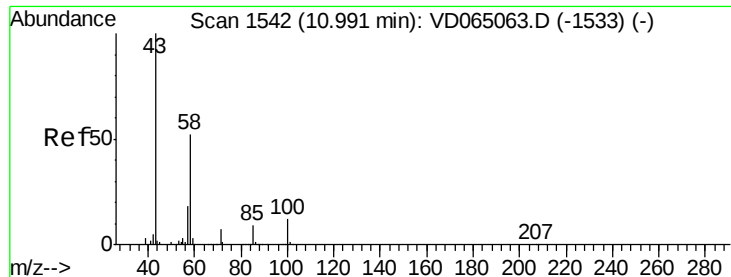
Tgt Ion: 63 Resp: 124421

Ion Ratio Lower Upper

63 100

106 28.4 23.3 34.9





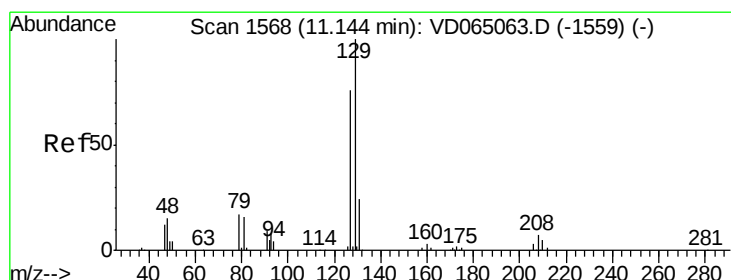
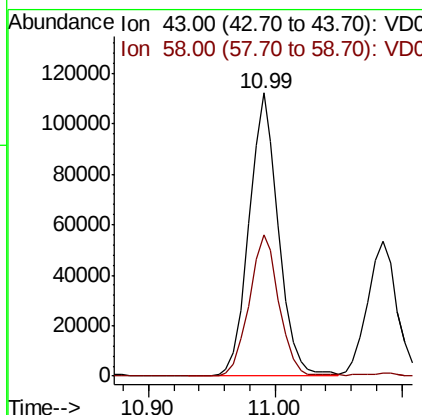
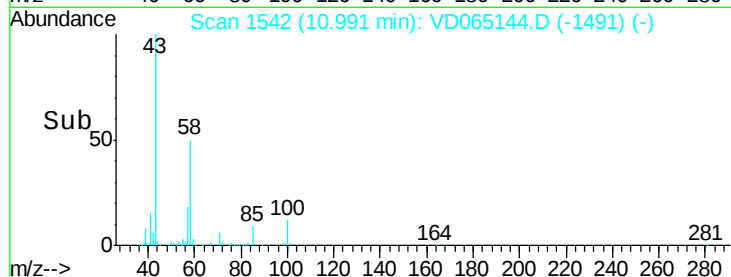
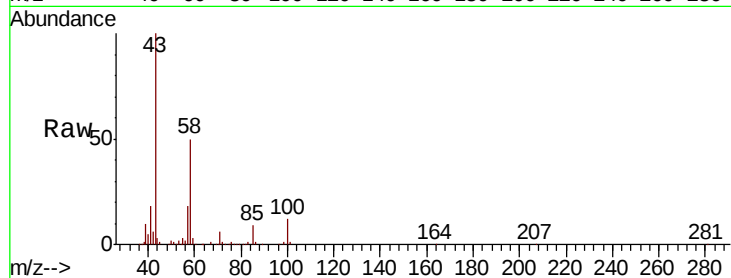
#59
2-Hexanone
Concen: 105.030 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBSD01

Tot Ion: 43 Resp: 181561
Ion Ratio Lower Upper
43 100
58 50.7 26.2 78.6

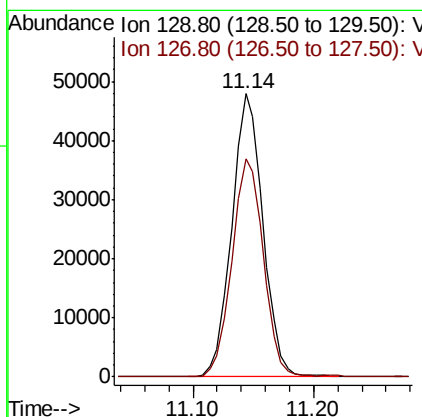
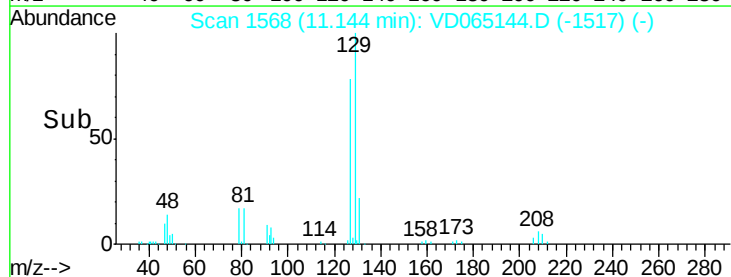
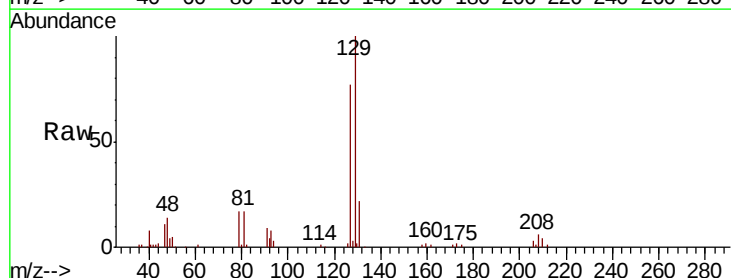
Manual Integrations
APPROVED

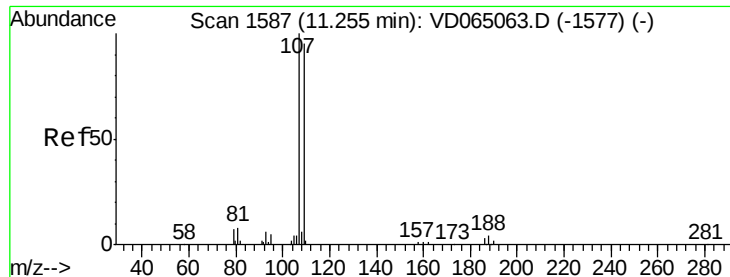
MMDadoda
2/12/2020 3:12:52 PM



#60
Dibromochloromethane
Concen: 21.917 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 129 Resp: 85948
Ion Ratio Lower Upper
129 100
127 77.7 38.3 114.9





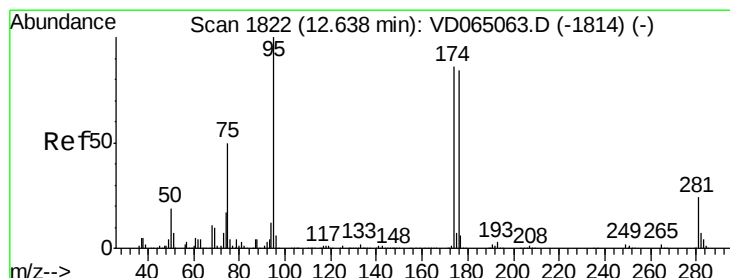
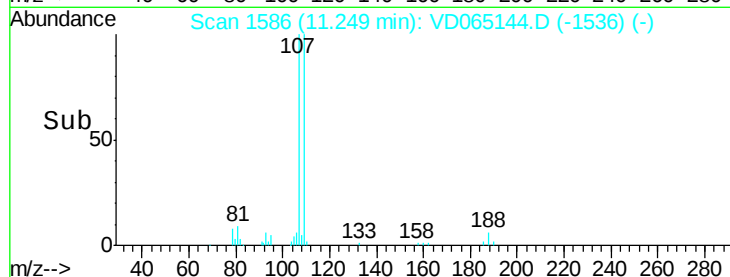
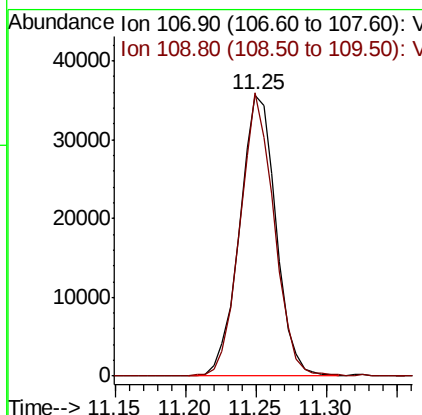
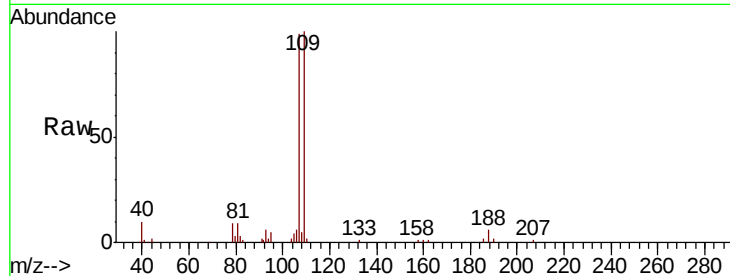
#61
 1,2-Dibromoethane
 Concen: 21.691 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.5	113.3

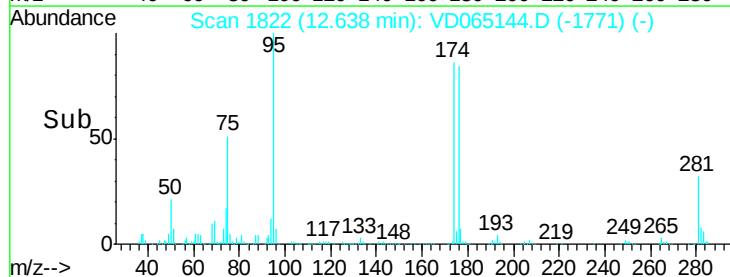
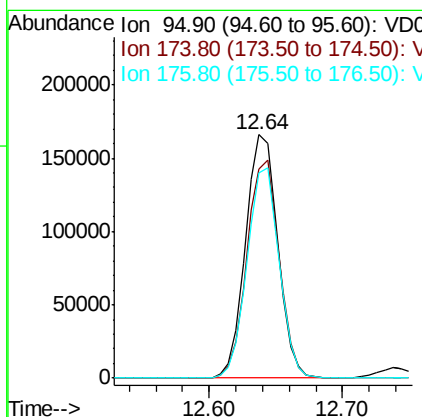
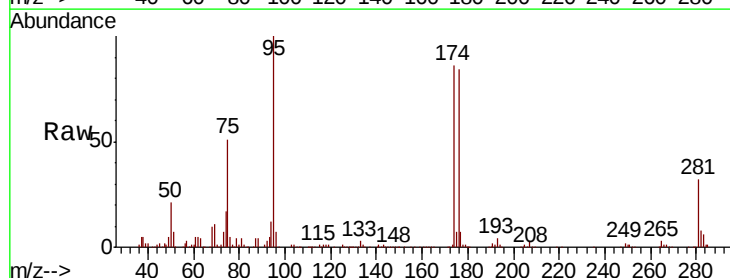
Manual Integrations
 APPROVED

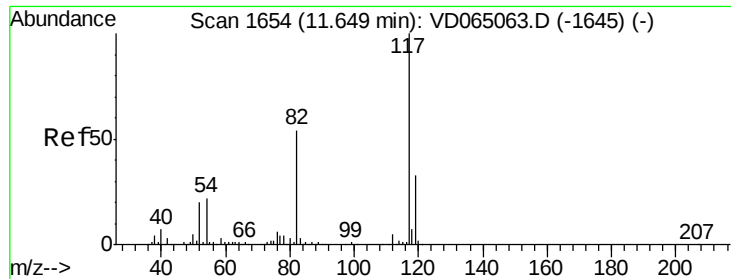
MMDadoda
 2/12/2020 3:12:52 PM



#62
 4-Bromofluorobenzene
 Concen: 57.417 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	180.0
176	86.0	0.0	173.2





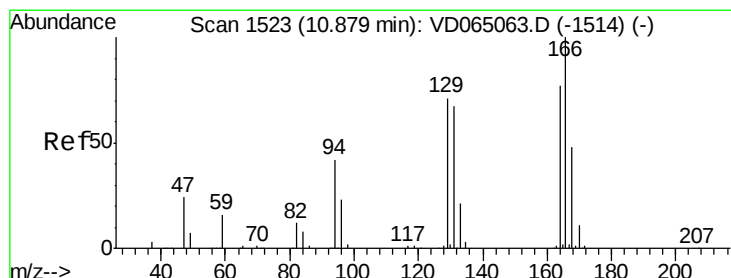
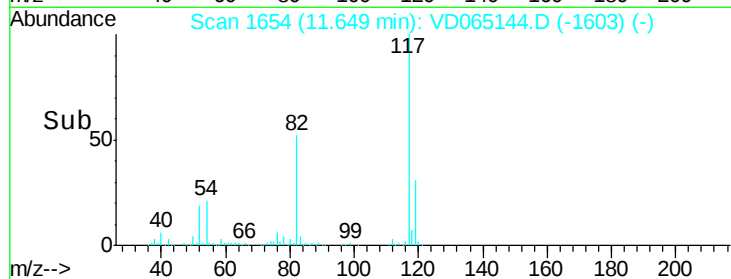
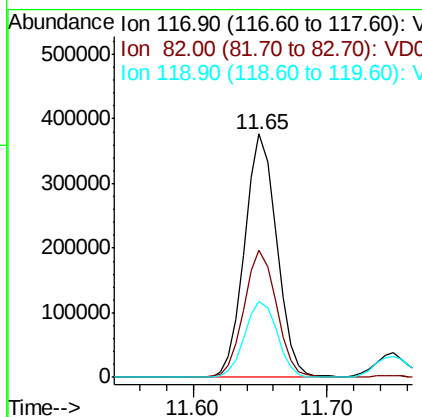
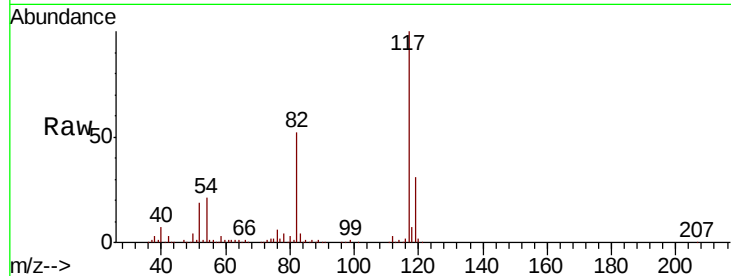
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.0	43.1	64.7
119	31.1	26.0	39.0

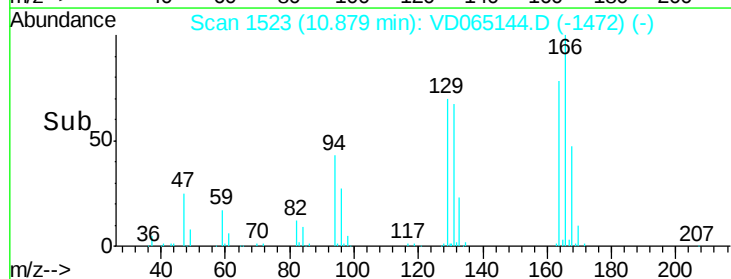
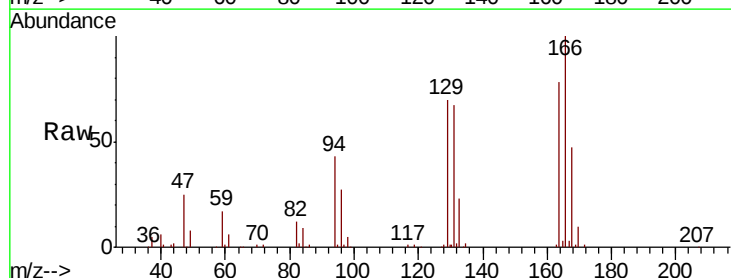
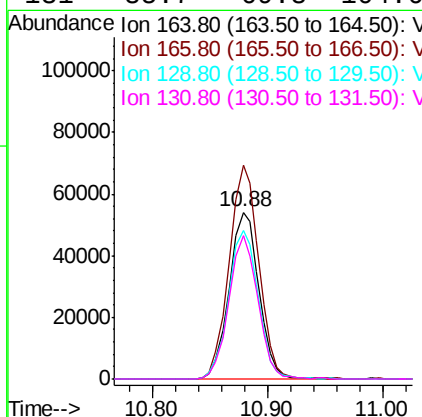
Manual Integrations
APPROVED

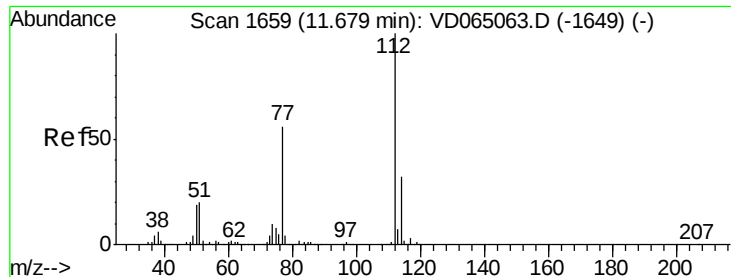
MMDadoda
2/12/2020 3:12:52 PM



#64
Tetrachloroethene
Concen: 21.434 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.9	103.5	155.3
129	89.2	73.3	109.9
131	85.7	69.8	104.6





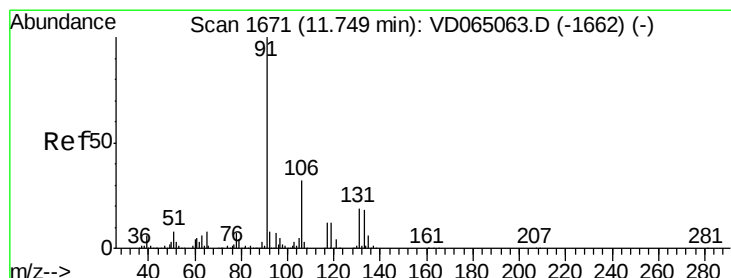
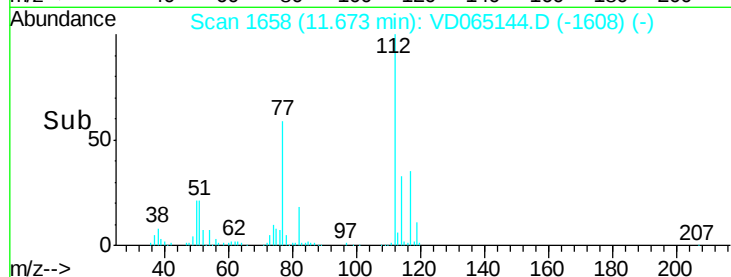
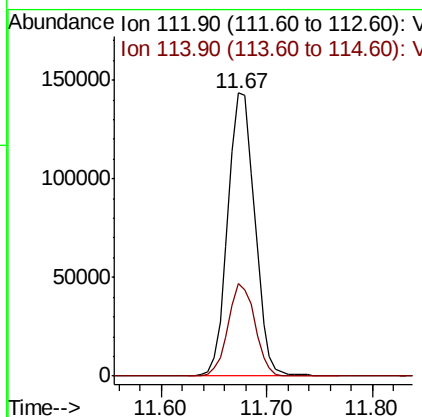
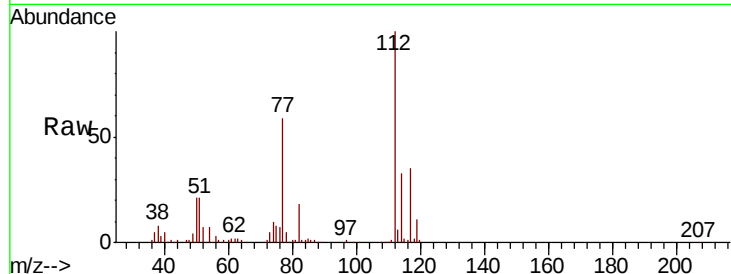
#65
Chlorobenzene
Concen: 20.911 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.4	38.0

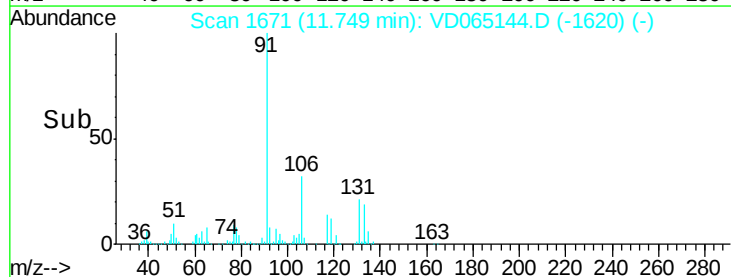
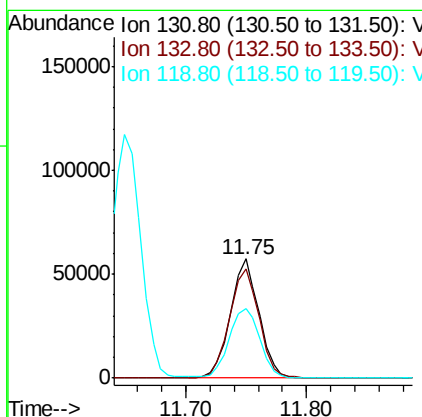
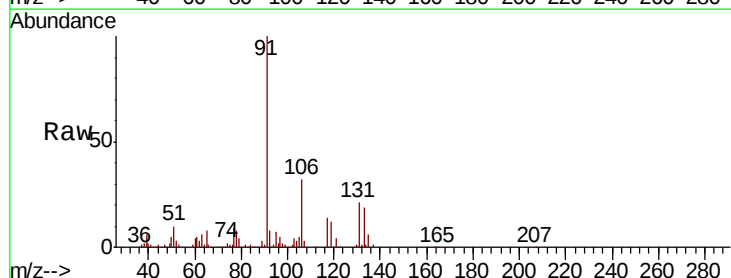
Manual Integrations
APPROVED

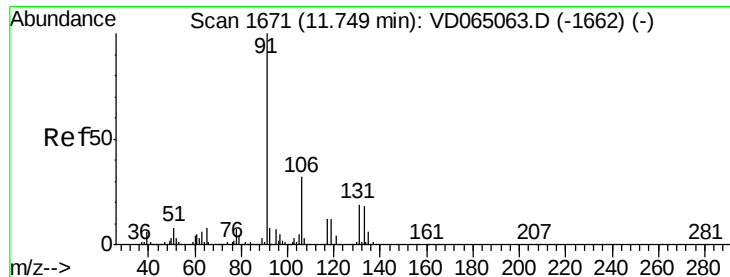
MMDadoda
2/12/2020 3:12:52 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.113 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	47.7	143.1
119	63.2	31.3	93.8





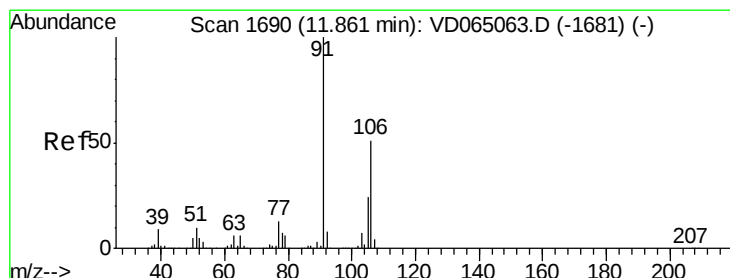
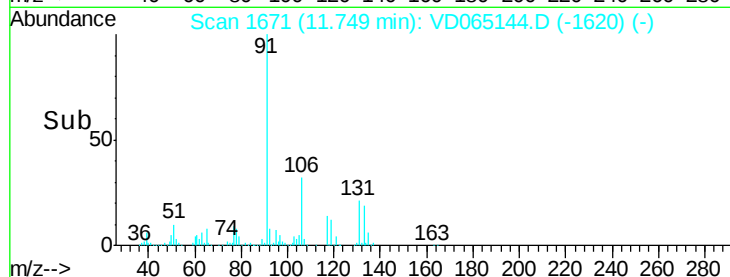
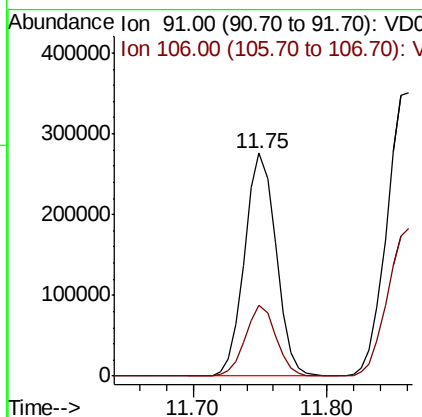
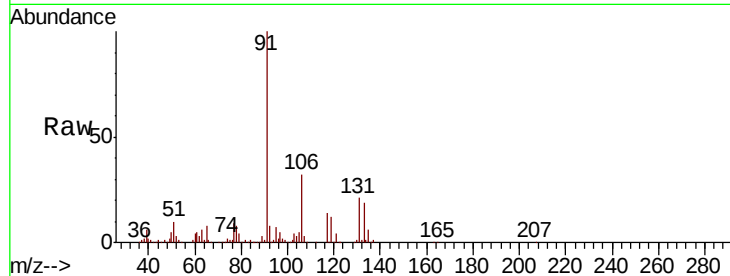
#67
Ethyl Benzene
Concen: 20.437 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion: 91 Resp: 449670
Ion Ratio Lower Upper
91 100
106 31.7 25.4 38.2

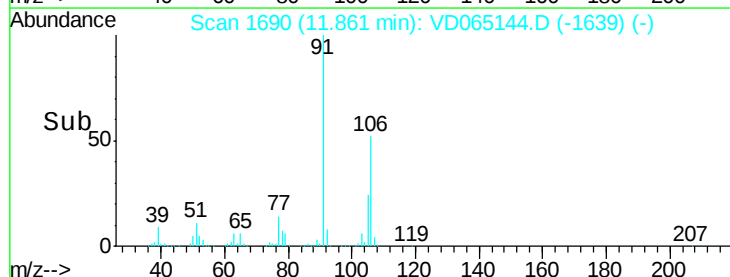
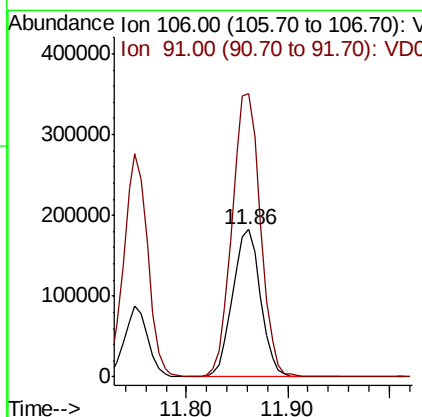
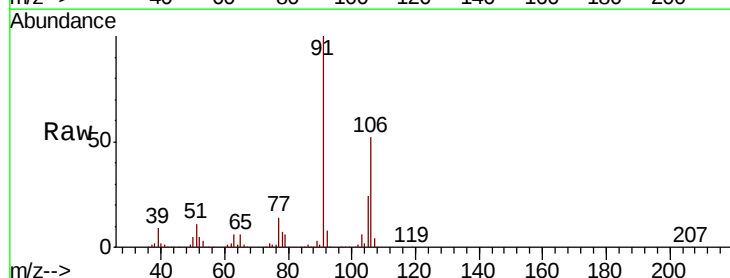
Manual Integrations
APPROVED

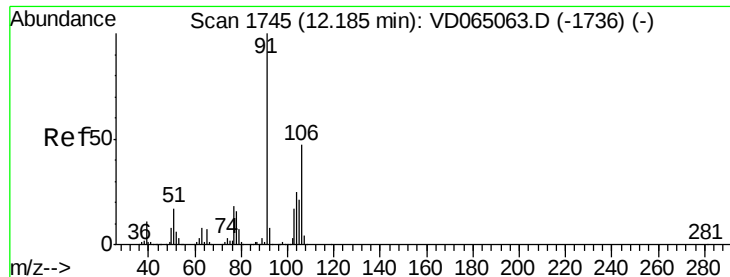
MMDadoda
2/12/2020 3:12:52 PM



#68
m/p-Xylenes
Concen: 41.581 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion: 106 Resp: 349193
Ion Ratio Lower Upper
106 100
91 195.2 158.9 238.3





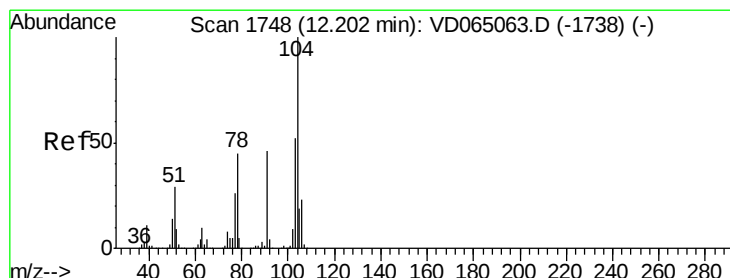
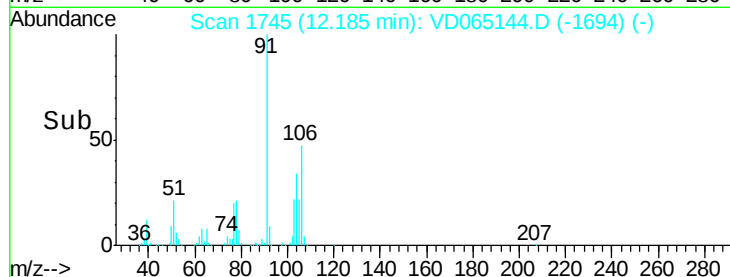
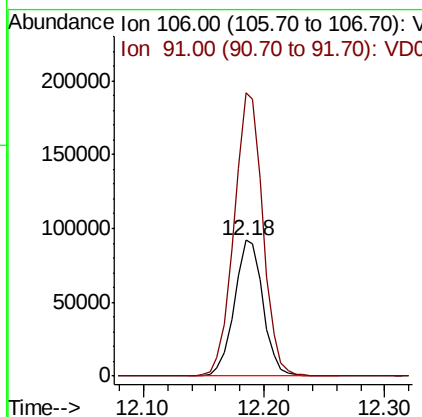
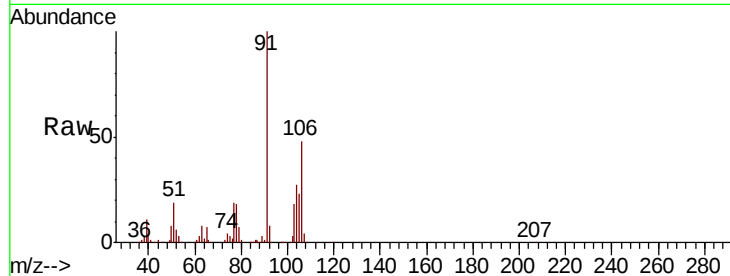
#69
o-Xylene
Concen: 20.127 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	209.7	104.7	313.9	

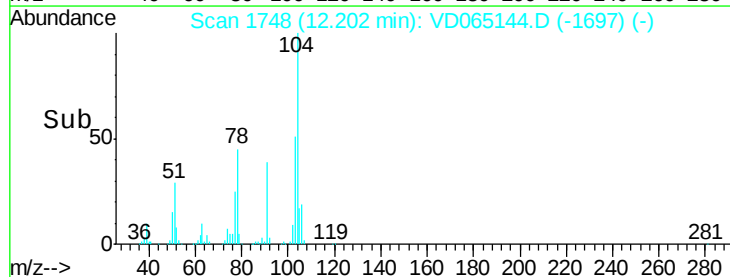
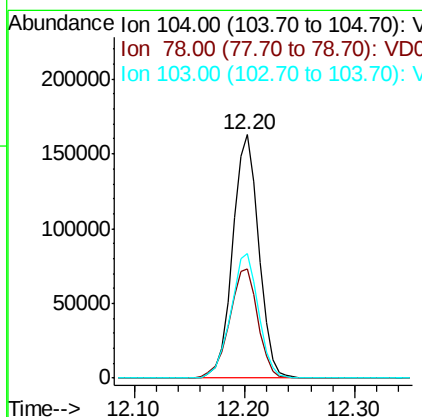
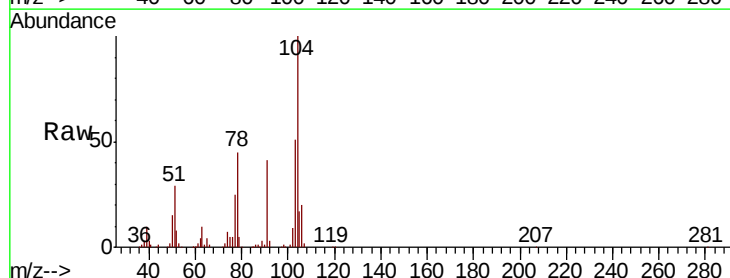
Manual Integrations
APPROVED

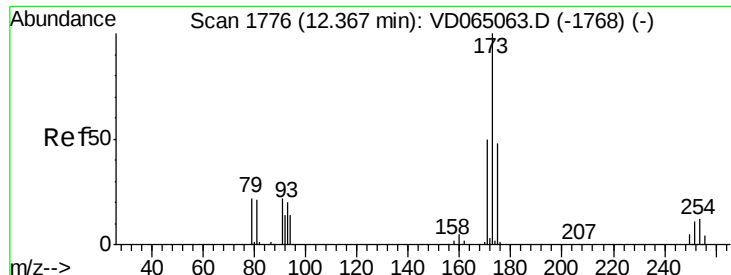
MMDadoda
2/12/2020 3:12:52 PM



#70
Styrene
Concen: 20.595 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	48.5	38.5	57.7	
103	54.7	43.8	65.8	





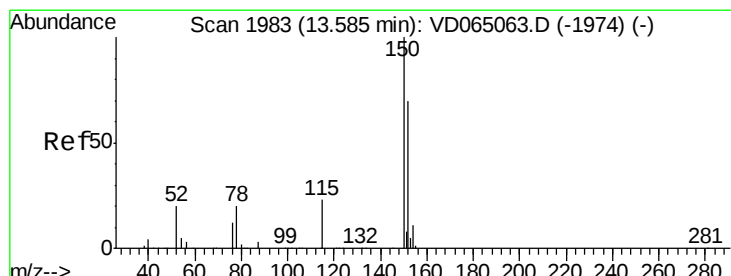
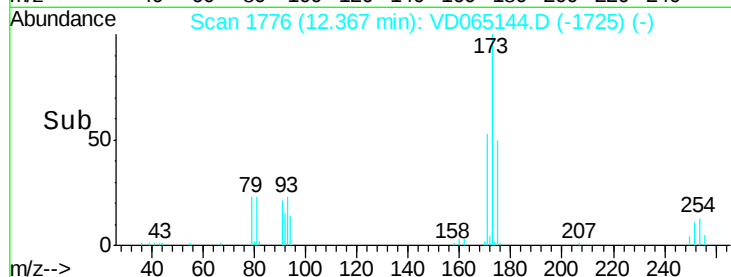
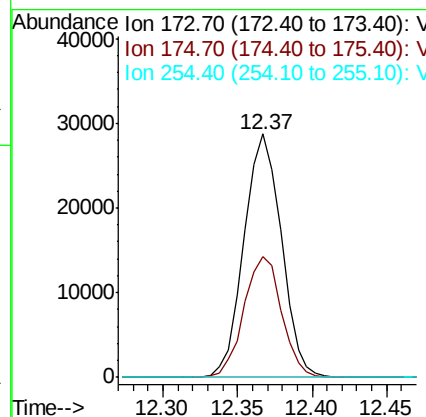
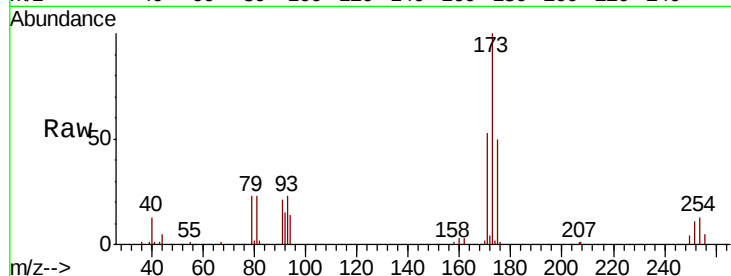
#71
Bromoform
Concen: 20.739 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.0	24.3	72.8
254	0.0	0.1	0.1#

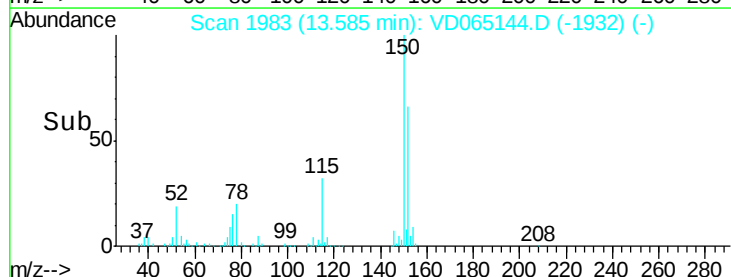
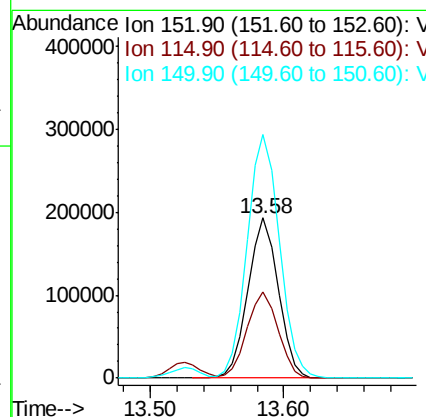
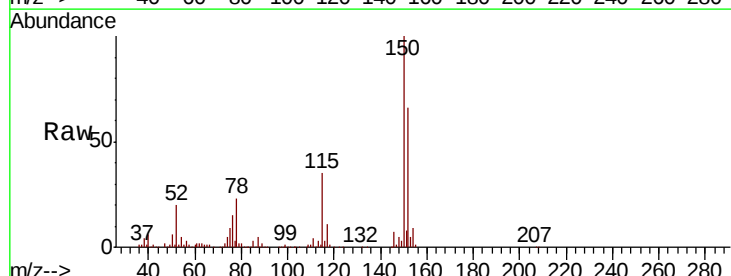
Manual Integrations
APPROVED

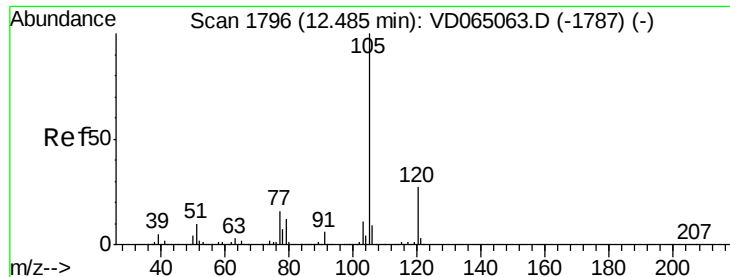
MMDadoda
2/12/2020 3:12:52 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.5	82.4
150	161.6	0.0	343.2





#73

Isopropylbenzene

Concen: 19.597 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0211SBS01

Tot Ion:105 Resp: 409330

Ion Ratio Lower Upper

105 100

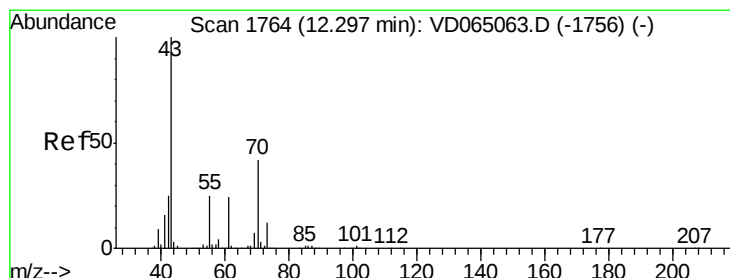
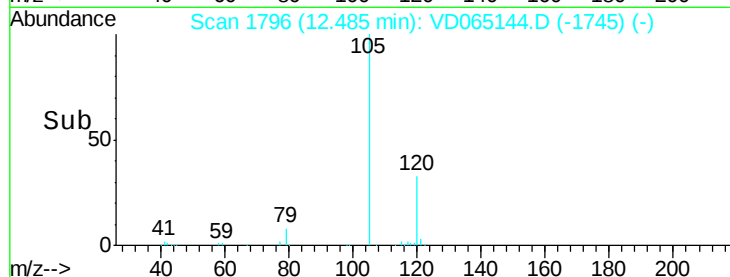
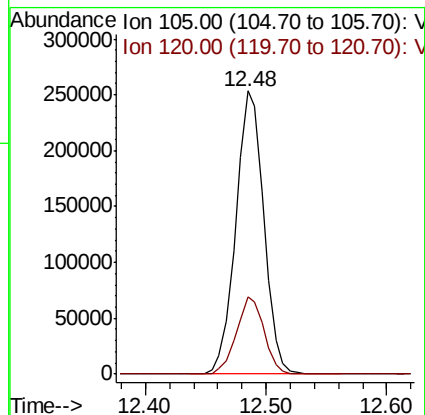
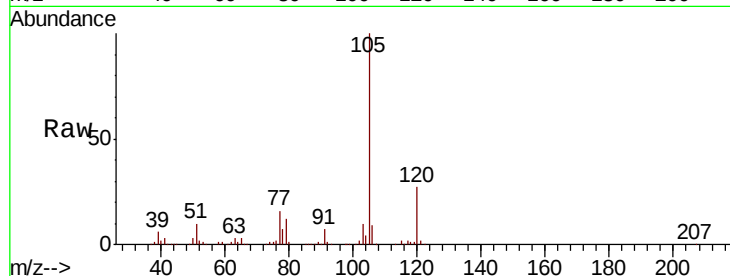
120 27.0 13.3 39.9

Manual Integrations

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MMDadoda

2/12/2020 3:12:52 PM



#74

N-ethyl acetate

Concen: 19.144 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion: 43 Resp: 86913

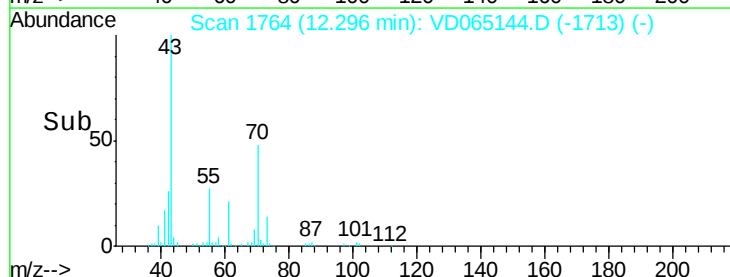
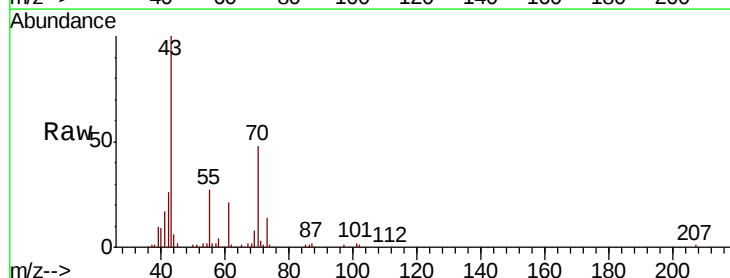
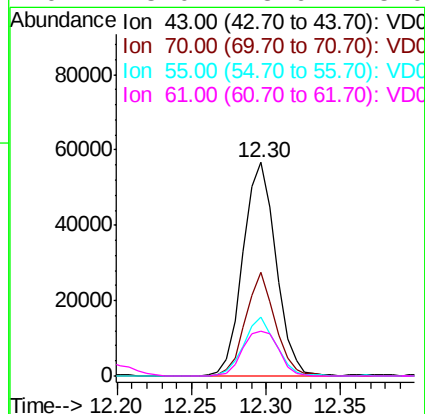
Ion Ratio Lower Upper

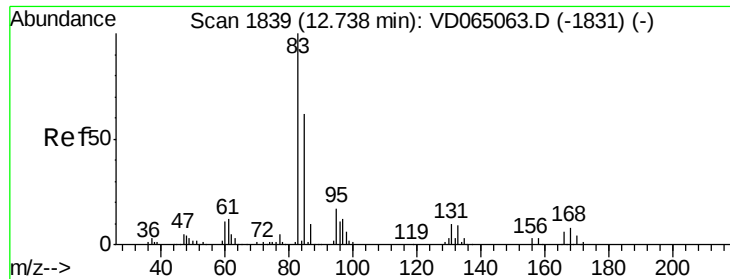
43 100

70 43.8 33.5 50.3

55 26.6 19.4 29.2

61 23.0 18.6 28.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.516 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

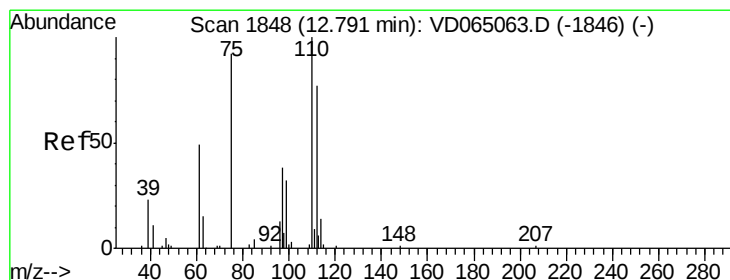
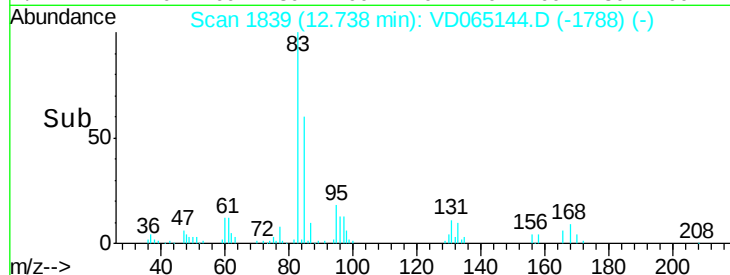
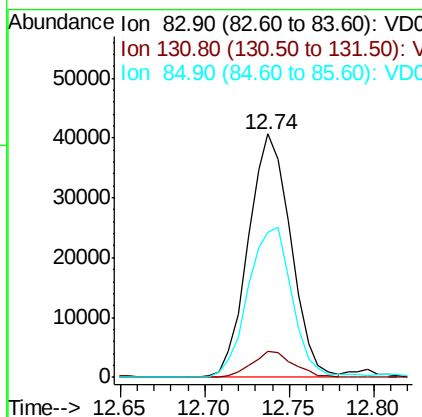
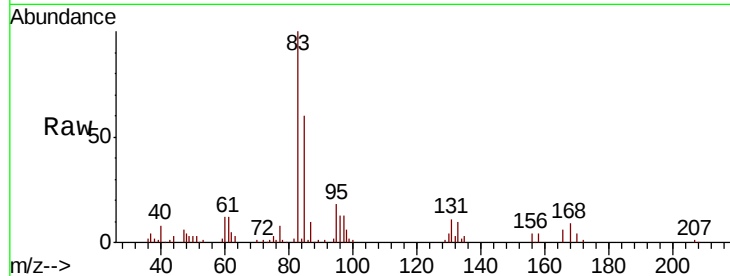
ClientSampleId :

VD0211SBS01

Tot Ion:	83	Resp:	70733
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.4
85	64.4	31.8	95.4

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#76

1,2,3-Trichloropropane

Concen: 25.057 ug/l m

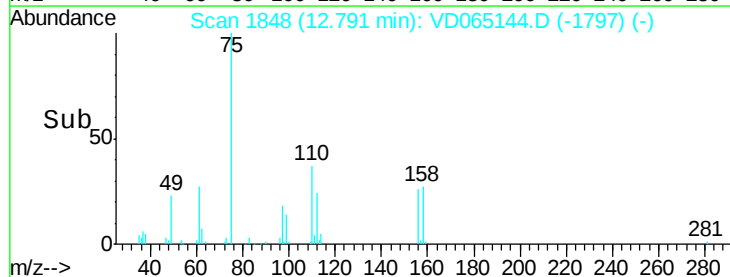
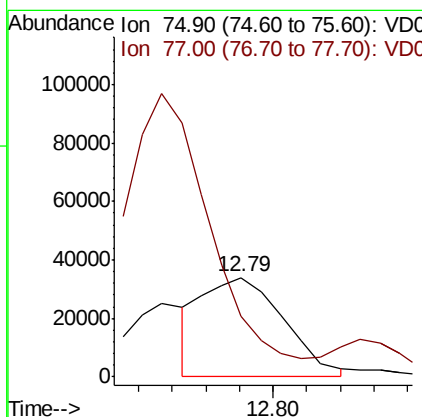
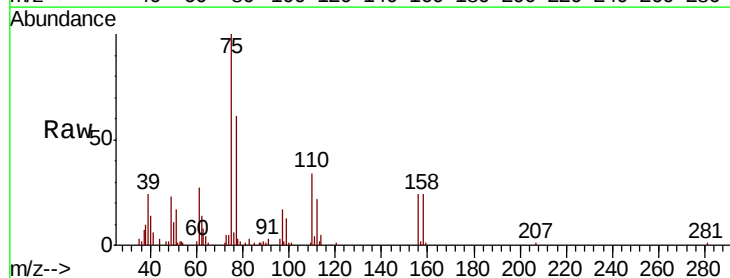
RT: 12.79 min Scan# 1848

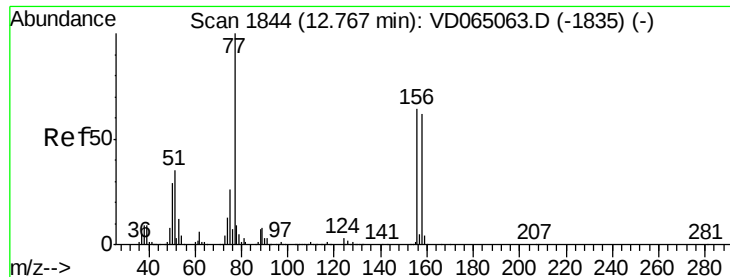
Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	75	Resp:	57733
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.246 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

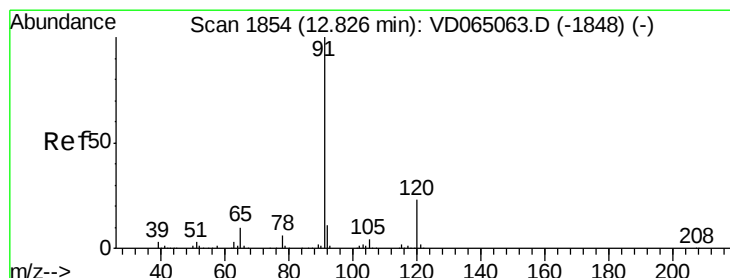
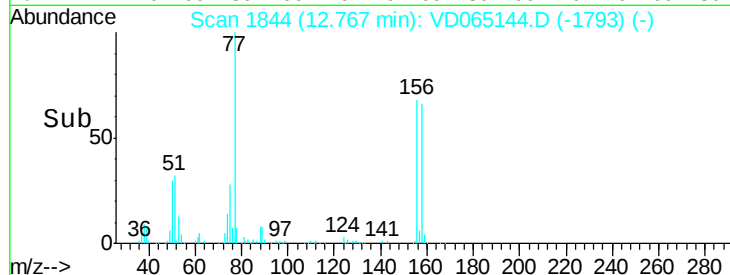
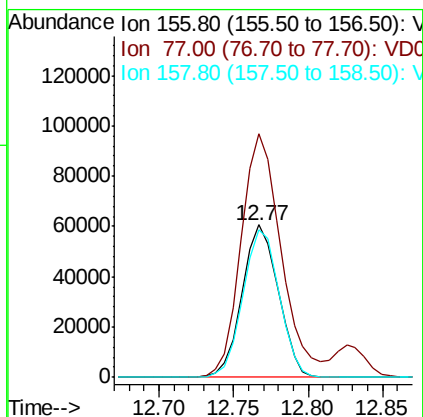
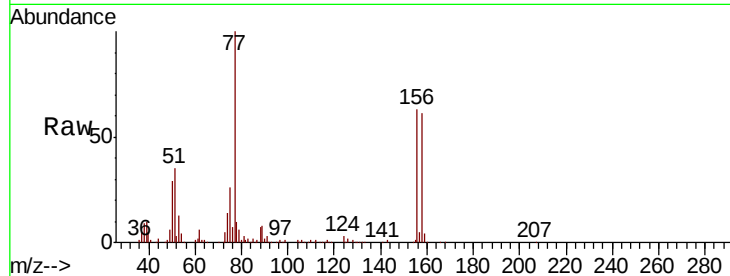
ClientSampleId :

VD0211SBSD01

Tot Ion:	156	Resp:	101890
Ion Ratio	Lower	Upper	
156	100		
77	176.6	85.6	256.8
158	97.6	47.4	142.2

Manual Integrations
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#78

n-propylbenzene

Concen: 20.512 ug/l

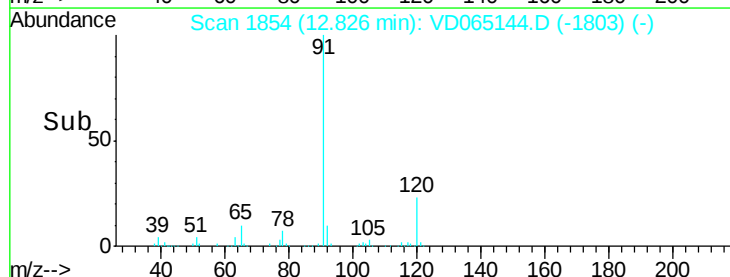
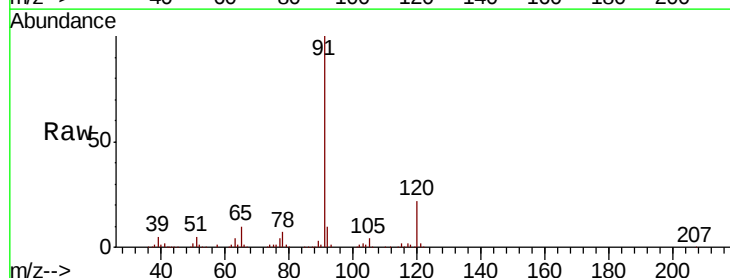
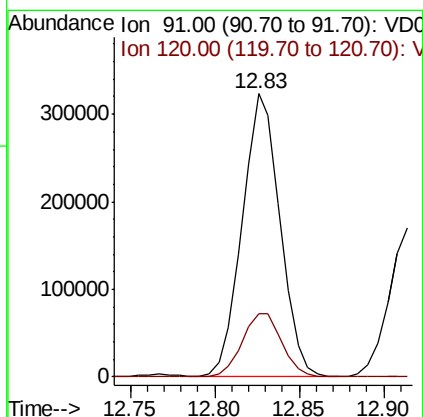
RT: 12.83 min Scan# 1854

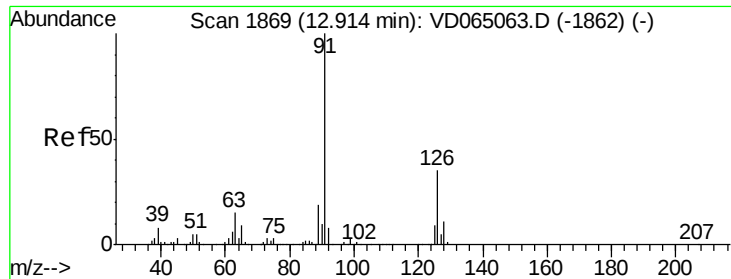
Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	91	Resp:	501749
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.3





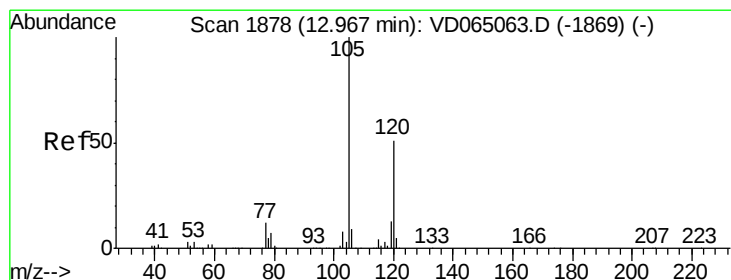
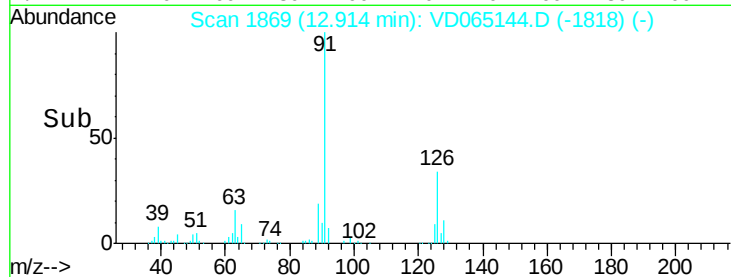
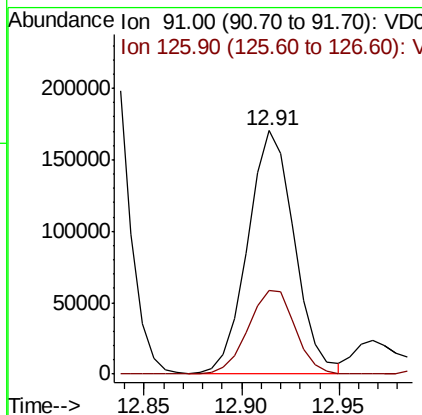
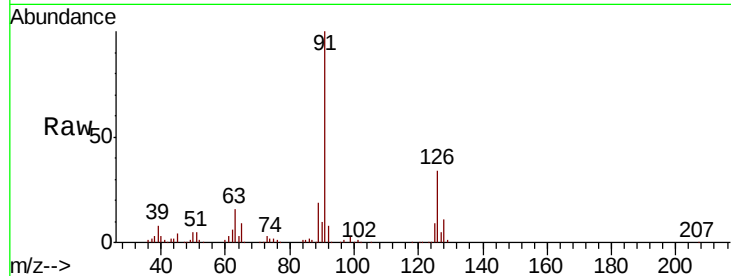
#79
2-Chlorotoluene
Concen: 20.598 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBSD01

Tot Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3

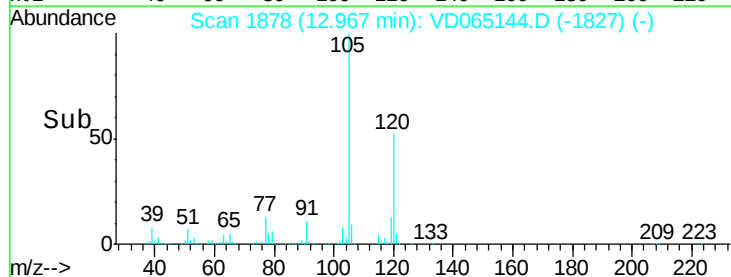
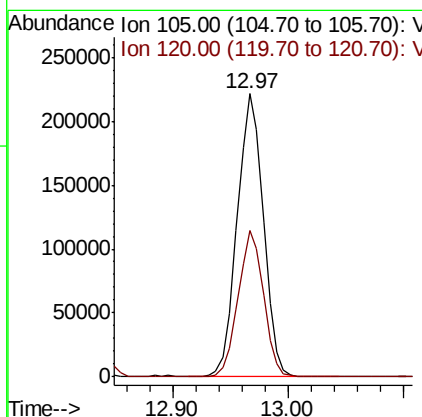
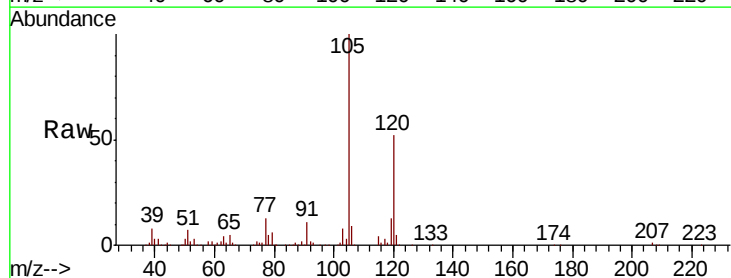
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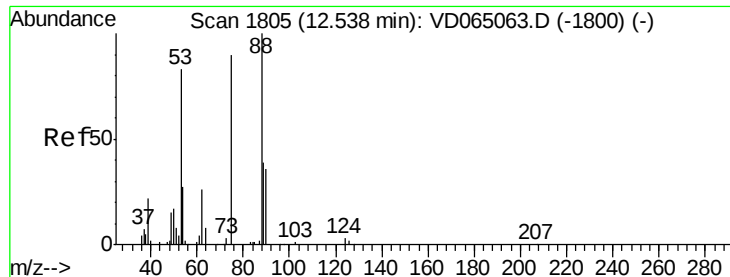
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#80
1,3,5-Trimethylbenzene
Concen: 20.327 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.5	25.1	75.4





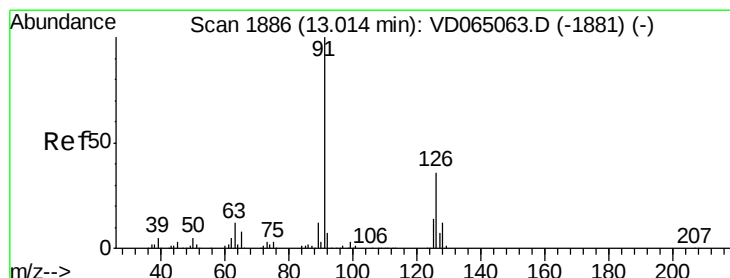
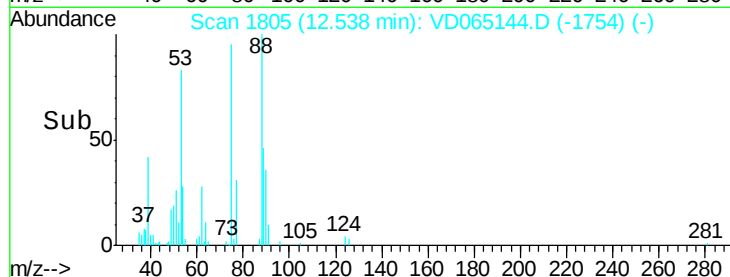
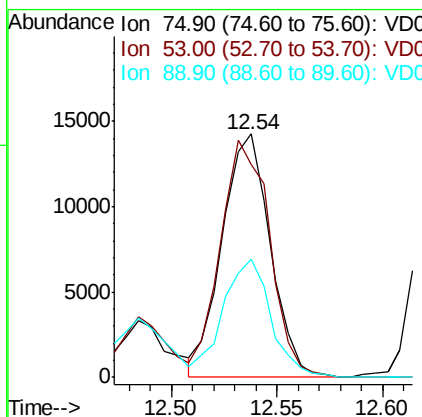
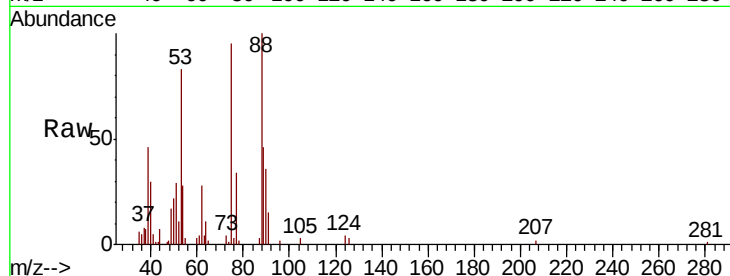
#81
trans-1,4-Dichloro-2-butene
Concen: 19.584 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.6	78.5	117.7
89	48.4	37.0	55.4

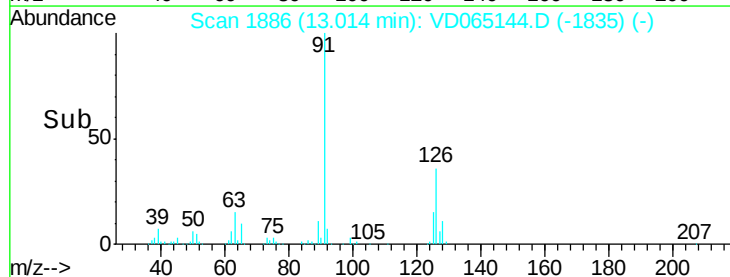
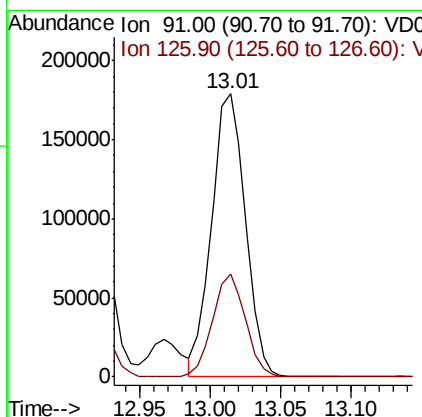
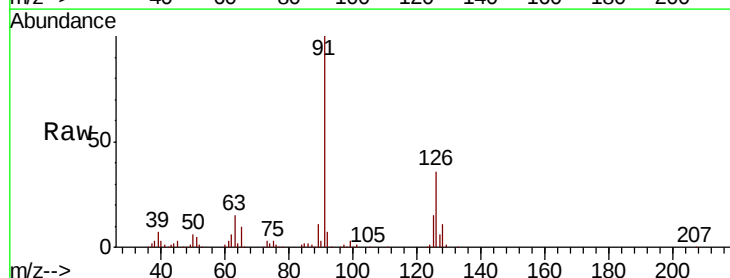
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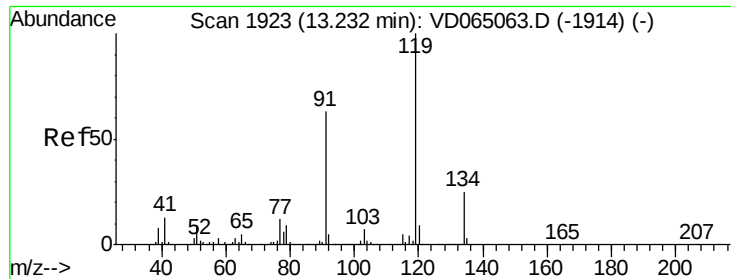
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#82
4-Chlorotoluene
Concen: 20.761 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.5	52.5





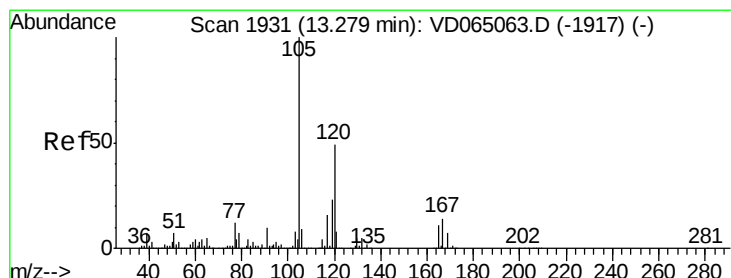
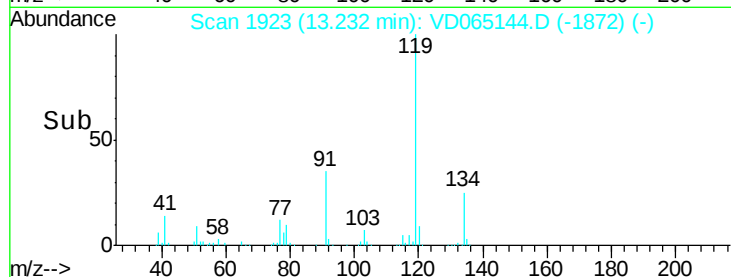
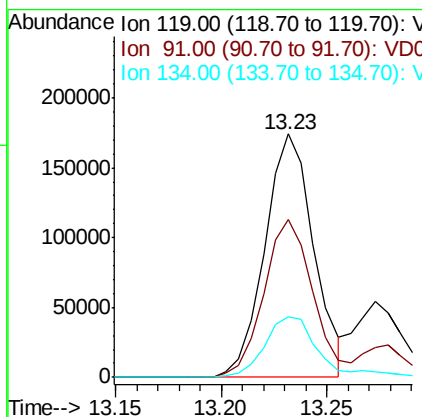
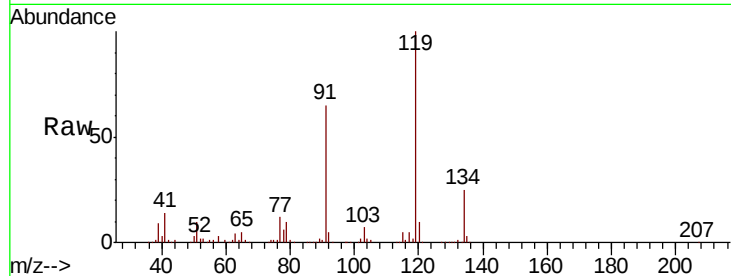
#83
tert-Butylbenzene
Concen: 19.031 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	280567		
91	65.2		32.3	96.9
134	27.8		13.8	41.3

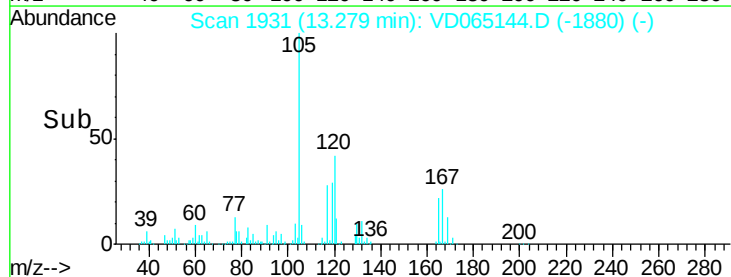
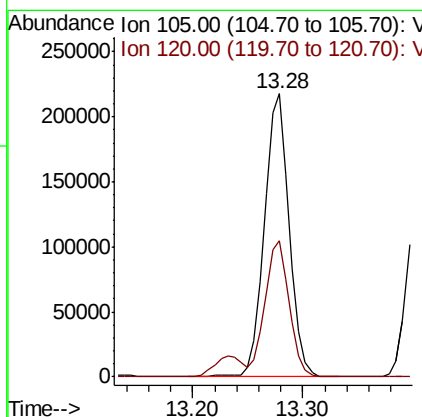
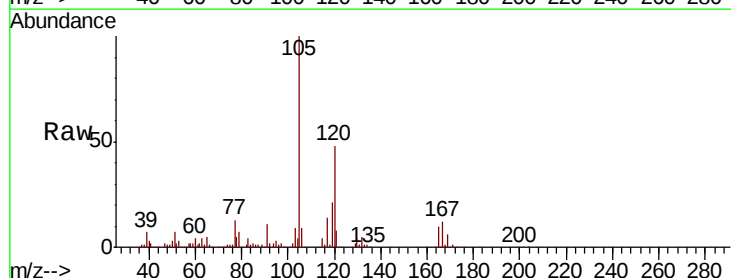
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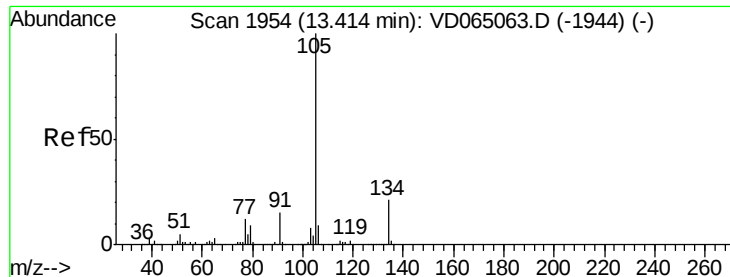
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.136 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	341614		
120	47.0		23.5	70.5





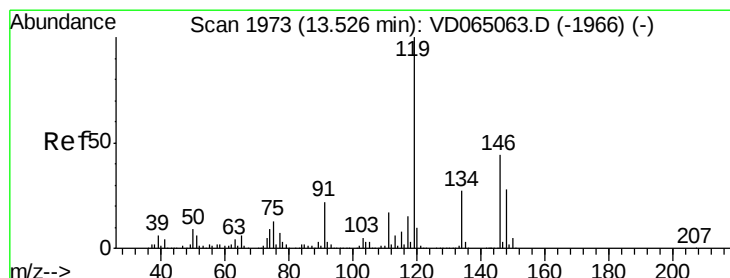
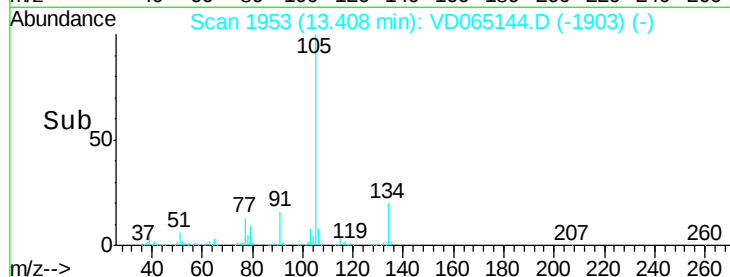
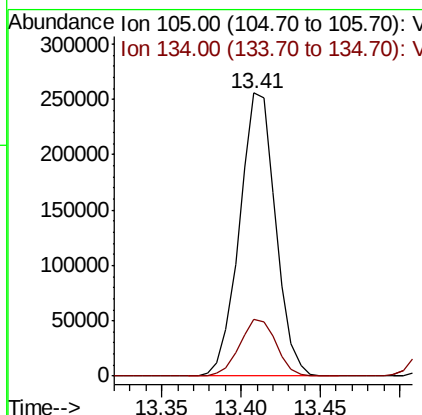
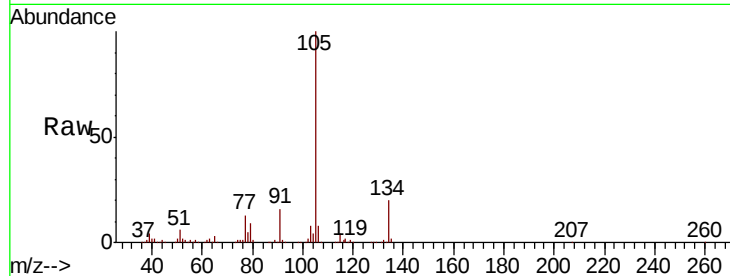
#85
 sec-Butylbenzene
 Concen: 20.046 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.4	31.1

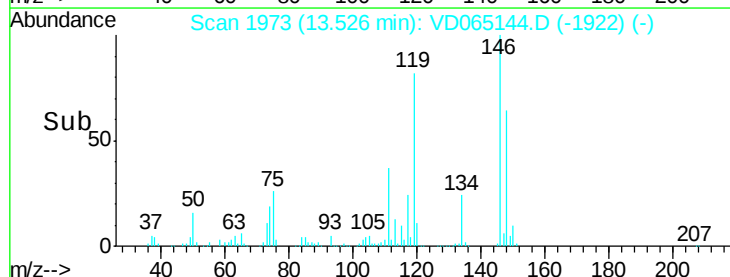
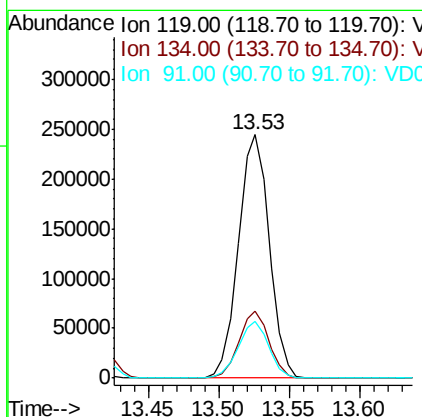
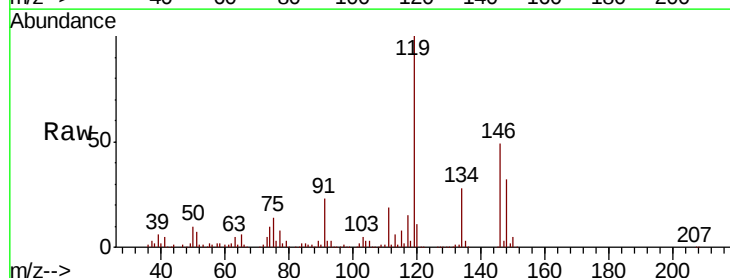
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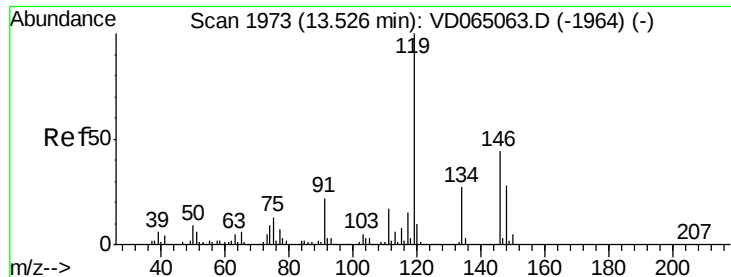
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#86
 p-Isopropyltoluene
 Concen: 19.938 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.5	40.5
91	23.1	11.3	33.9





#87

1,3-Dichlorobenzene

Concen: 21.062 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Instrument :

MSVOA_D

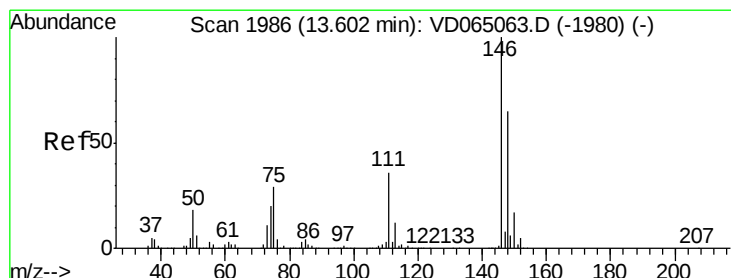
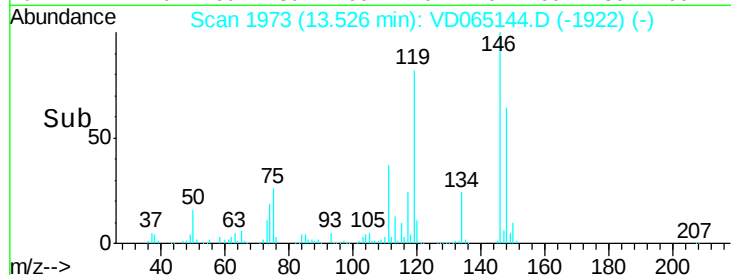
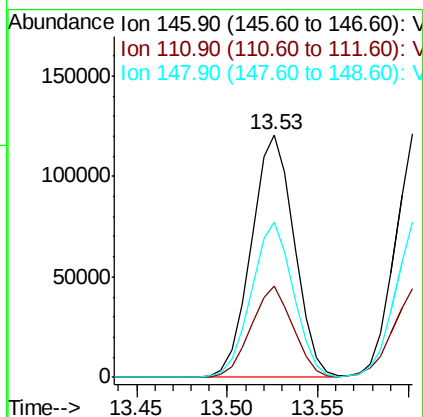
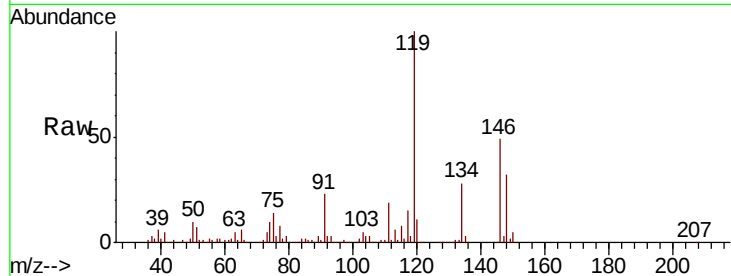
ClientSampleId :

VD0211SBSD01

Tot Ion:	146	Resp:	198454
Ion Ratio	Lower	Upper	
146	100		
111	36.6	19.4	58.4
148	62.8	32.3	96.8

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.666 ug/l

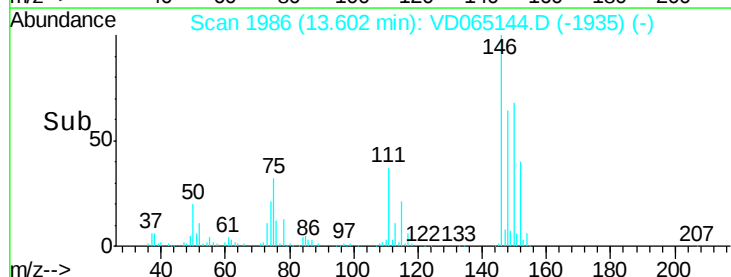
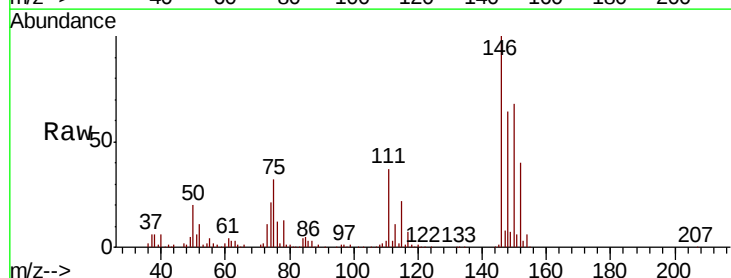
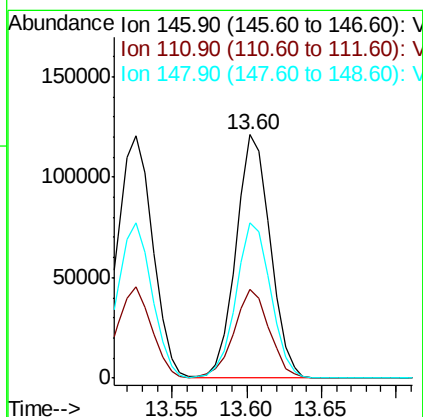
RT: 13.60 min Scan# 1986

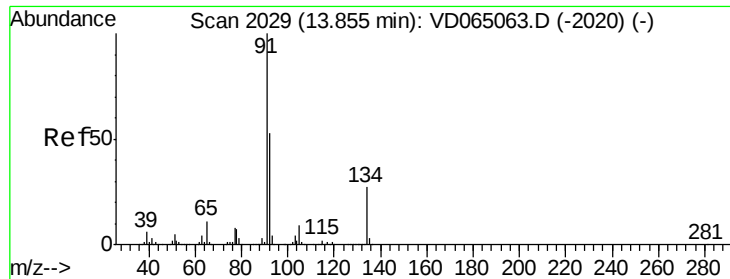
Delta R.T. -0.00 min

Lab File: VD065144.D

Acq: 11 Feb 2020 12:15

Tgt Ion:	146	Resp:	193812
Ion Ratio	Lower	Upper	
146	100		
111	37.8	18.5	55.5
148	64.5	32.7	98.1





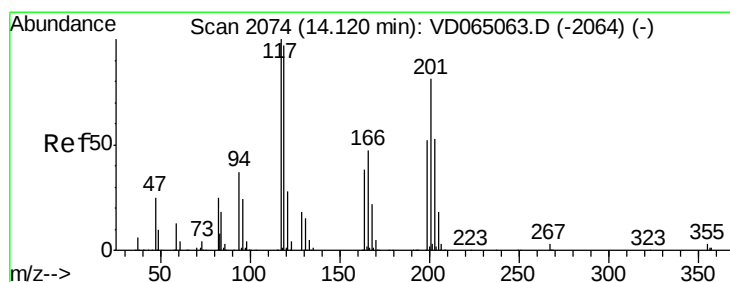
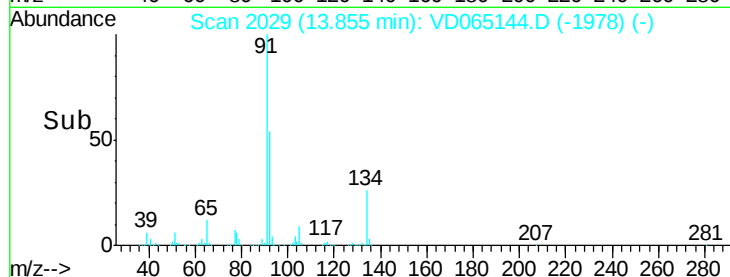
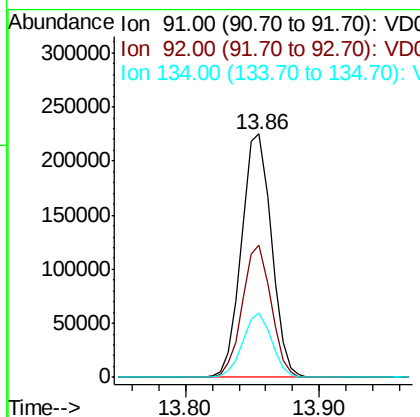
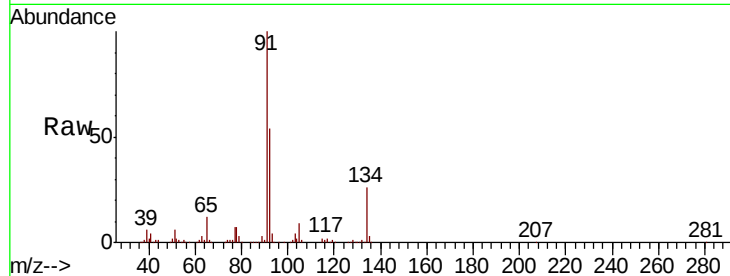
#89
n-Butylbenzene
Concen: 20.158 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.7	80.1
134	25.6	13.4	40.2

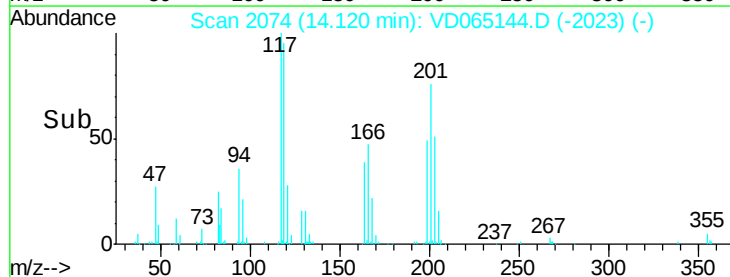
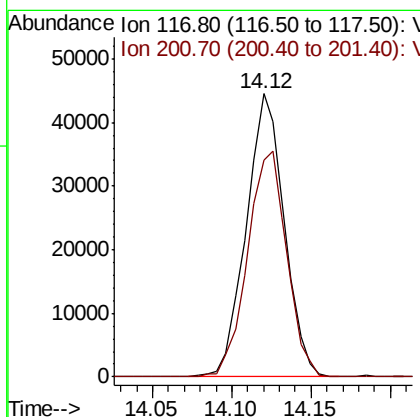
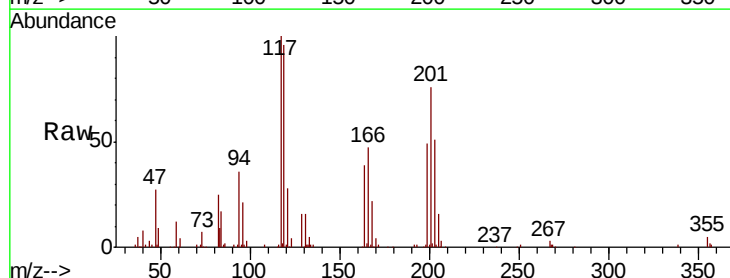
Manual Integrations
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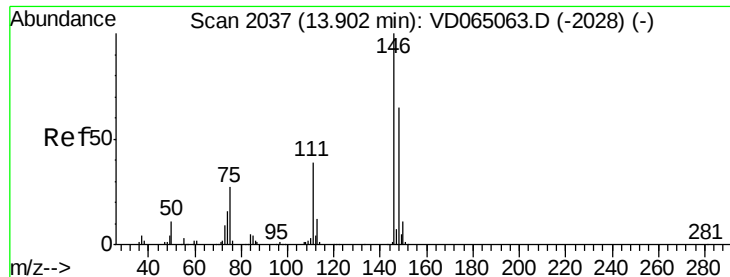
MMDadoda
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#90
Hexachloroethane
Concen: 20.907 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	42.5	127.6





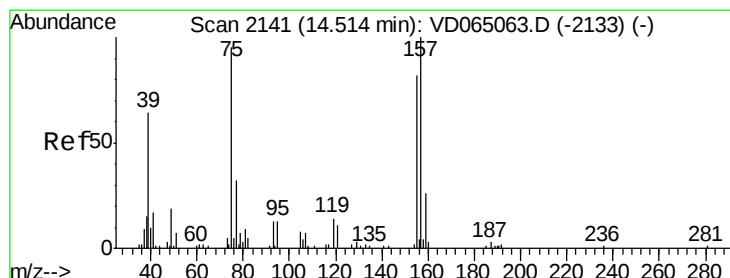
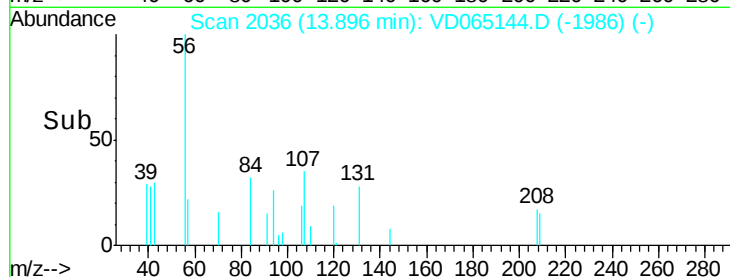
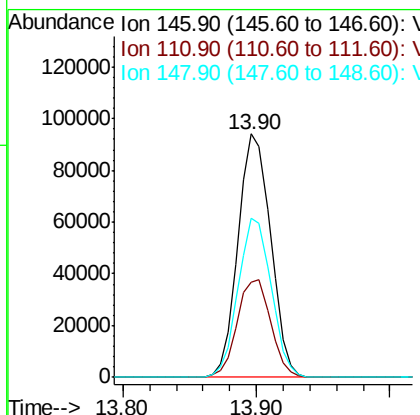
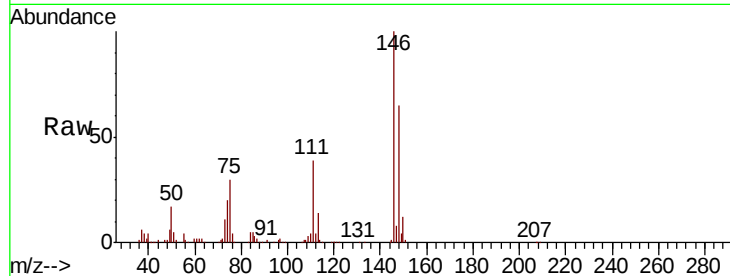
#91
 1,2-Dichlorobenzene
 Concen: 19.775 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	19.7	59.1
148	66.2	31.9	95.5

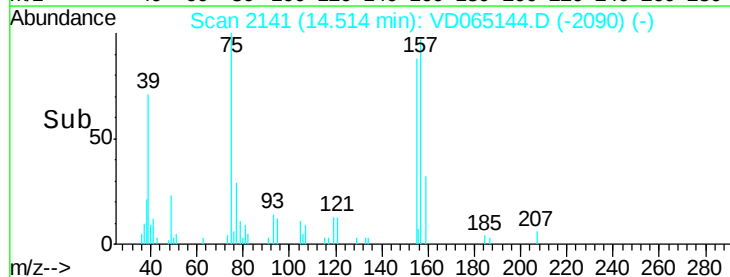
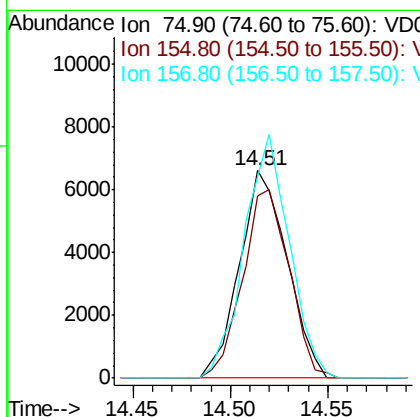
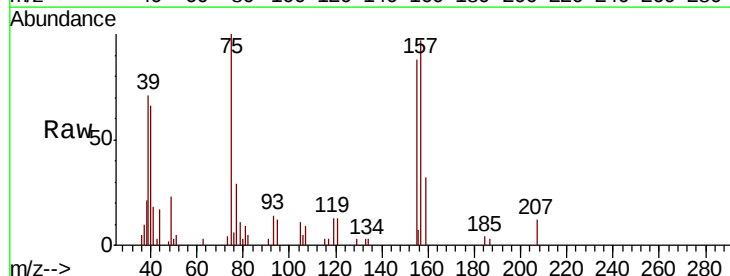
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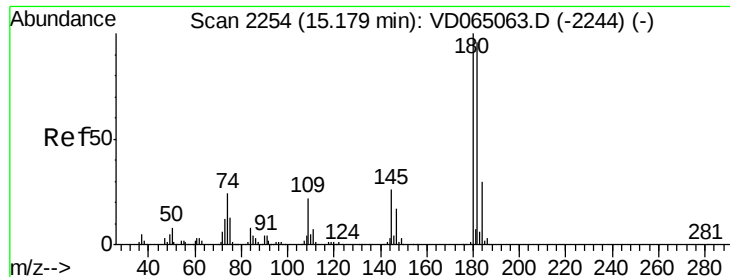
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.805 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.7	43.4	130.1
157	111.4	55.8	167.3





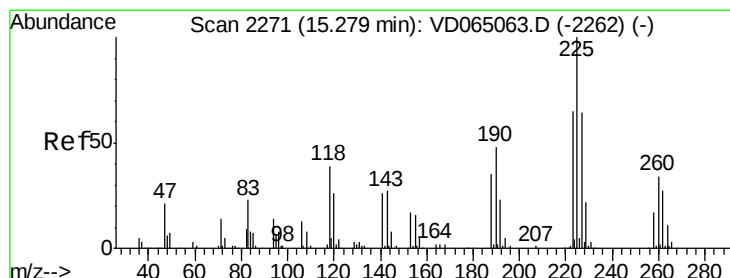
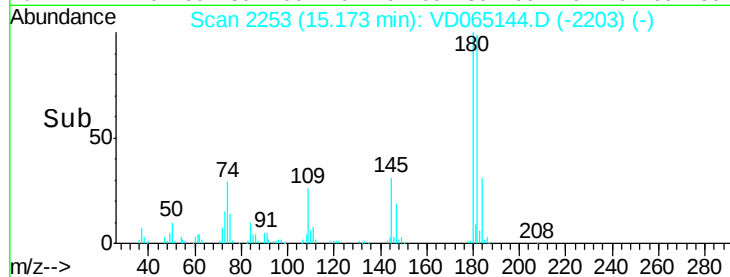
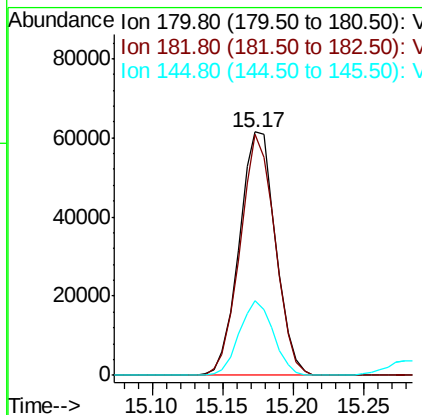
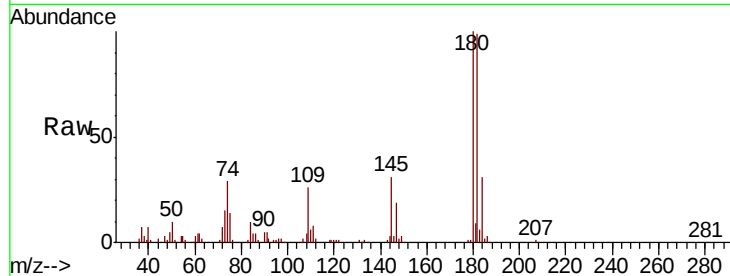
#93
 1,2,4-Trichlorobenzene
 Concen: 19.196 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.01 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0211SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.1	47.4	142.3	
145	28.7	14.1	42.4	

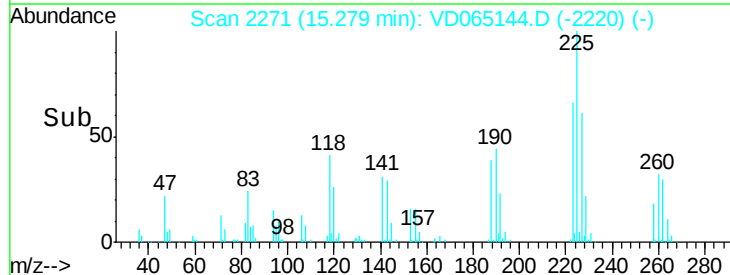
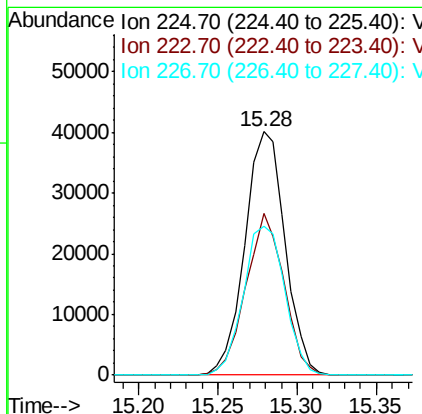
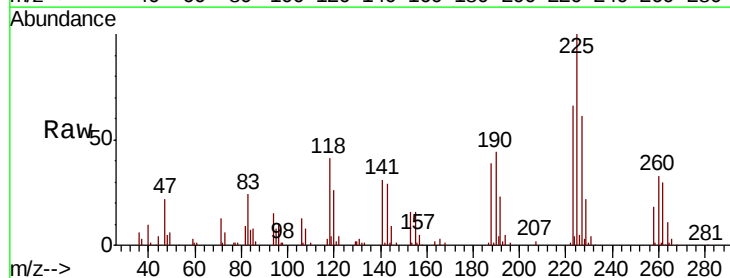
Manual Integrations
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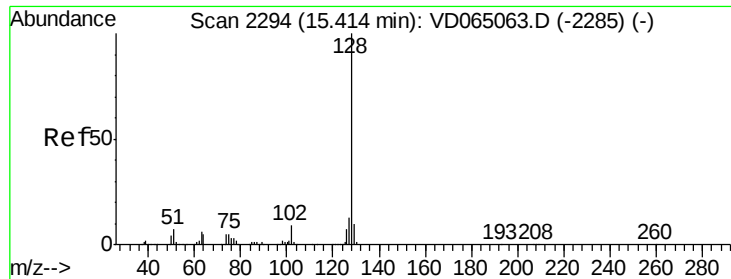
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#94
 Hexachlorobutadiene
 Concen: 19.900 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065144.D
 Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.7	31.4	94.0	
227	63.4	31.8	95.3	





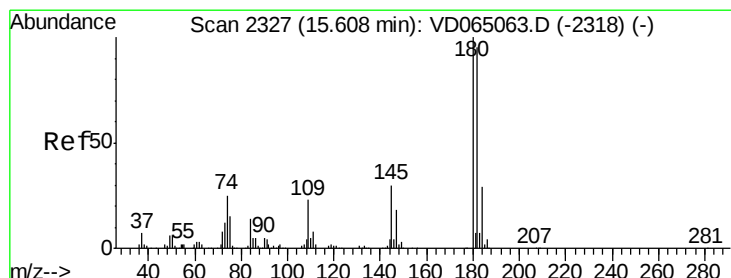
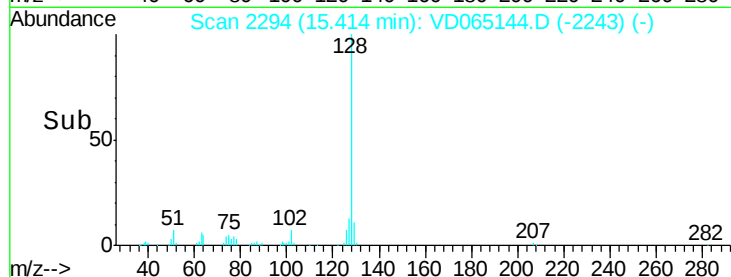
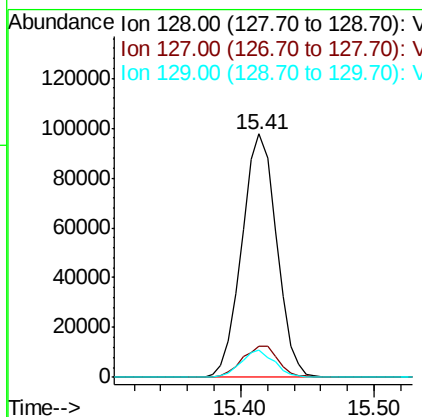
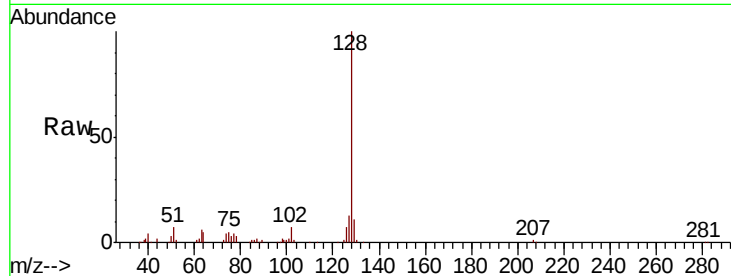
#95
Naphthalene
Concen: 18.348 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0211SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.6	8.7	13.1

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 19.316 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065144.D
Acq: 11 Feb 2020 12:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.6	47.1	141.4
145	30.7	14.9	44.9

