

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021820\
 Data File : VD065218.D
 Acq On : 18 Feb 2020 13:32
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICSV021820

Manual Integrations
 APPROVED

MMDadoda
 2/19/2020 1:44:21 PM

Quant Time: Feb 19 03:40:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	531420	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	774698	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	689778	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	330905	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	231373	48.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.80%	
35) Dibromofluoromethane	7.92	113	239493	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
50) Toluene-d8	10.34	98	962873	53.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.64%	
62) 4-Bromofluorobenzene	12.64	95	297447	52.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.00%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	245881	55.165	ug/l	99
3) Chloromethane	2.21	50	294930	51.986	ug/l	100
4) Vinyl Chloride	2.35	62	305879	53.022	ug/l	98
5) Bromomethane	2.77	94	179984	51.600	ug/l	98
6) Chloroethane	2.92	64	179105	50.862	ug/l	98
7) Trichlorofluoromethane	3.27	101	420802	50.949	ug/l	98
8) Diethyl Ether	3.71	74	116090	46.565	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.08	101	264148	50.644	ug/l	100
10) Methyl Iodide	4.30	142	290125	53.573	ug/l	99
11) Tert butyl alcohol	5.24	59	60872	213.080	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	261046	52.982	ug/l	95
13) Acrolein	3.92	56	72897	202.794	ug/l	100
14) Allyl chloride	4.71	41	420839	52.598	ug/l	99
15) Acrylonitrile	5.43	53	252431	228.697	ug/l	99
16) Acetone	4.16	43	274242	234.668	ug/l	96
17) Carbon Disulfide	4.40	76	858863	51.994	ug/l	100
18) Methyl Acetate	4.71	43	115244	43.846	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	514639	50.088	ug/l	98
20) Methylene Chloride	4.96	84	276847	53.541	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	294859	52.642	ug/l	96
22) Diisopropyl ether	6.37	45	794113	51.484	ug/l	99
23) Vinyl Acetate	6.31	43	2197660	258.446	ug/l	99
24) 1,1-Dichloroethane	6.26	63	480594	50.234	ug/l	98
25) 2-Butanone	7.22	43	331915	224.482	ug/l	100
26) 2,2-Dichloropropane	7.21	77	425993	51.320	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	301110	50.751	ug/l	99
28) Bromochloromethane	7.55	49	166124	46.804	ug/l	98
29) Tetrahydrofuran	7.57	42	204076	235.562	ug/l	100
30) Chloroform	7.71	83	475579	49.341	ug/l	99
31) Cyclohexane	7.98	56	467222	49.705	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	439808	50.999	ug/l	100
36) 1,1-Dichloropropene	8.11	75	398364	52.848	ug/l	99
37) Ethyl Acetate	7.30	43	148915	47.257	ug/l	99
38) Carbon Tetrachloride	8.10	117	399646	52.082	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	493739	55.716	ug/l	98
40) Benzene	8.35	78	1106060	51.985	ug/l	98
41) Methacrylonitrile	7.53	41	89846	49.380	ug/l	92
42) 1,2-Dichloroethane	8.43	62	283628	48.490	ug/l	99
43) Isopropyl Acetate	8.46	43	282207	49.248	ug/l	99
44) Trichloroethene	9.11	130	306184	51.916	ug/l	94
45) 1,2-Dichloropropane	9.39	63	267035	50.474	ug/l	98
46) Dibromomethane	9.48	93	133663	49.103	ug/l	98
47) Bromodichloromethane	9.67	83	356599	49.710	ug/l	100
48) Methyl methacrylate	9.46	41	133529	50.413	ug/l	98
49) 1,4-Dioxane	9.47	88	31113	974.537	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	699071	240.190	ug/l	99
52) Toluene	10.41	92	706176	53.622	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	340432	51.198	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	418322	52.099	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	184307	48.105	ug/l	96
56) Ethyl methacrylate	10.67	69	228317	51.630	ug/l	99
57) 1,3-Dichloropropane	10.95	76	320983	49.224	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	306945	220.159	ug/l	99
59) 2-Hexanone	10.99	43	510664	245.105	ug/l	98
60) Dibromochloromethane	11.14	129	241936	49.336	ug/l	99
61) 1,2-Dibromoethane	11.25	107	174119	47.999	ug/l	100
64) Tetrachloroethene	10.88	164	261513	53.456	ug/l	98
65) Chlorobenzene	11.68	112	719450	51.975	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	266413	51.575	ug/l	99
67) Ethyl Benzene	11.75	91	1316393	54.300	ug/l	99
68) m/p-Xylenes	11.86	106	1018159	109.772	ug/l	100
69) o-Xylene	12.18	106	453774	55.222	ug/l	99
70) Styrene	12.20	104	798338	54.720	ug/l	100
71) Bromoform	12.37	173	138540	48.333	ug/l #	99
73) Isopropylbenzene	12.48	105	1238515	56.534	ug/l	99
74) N-amyl acetate	12.30	43	252602	51.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	189346	47.889	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	128186m	45.530	ug/l	
77) Bromobenzene	12.77	156	289044	53.133	ug/l	98
78) n-propylbenzene	12.83	91	1484972	56.406	ug/l	100
79) 2-Chlorotoluene	12.91	91	806964	54.715	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1011605	56.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	64005	49.086	ug/l	99
82) 4-Chlorotoluene	13.01	91	843202	53.853	ug/l	99
83) tert-Butylbenzene	13.23	119	845646	55.919	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	995702	55.132	ug/l	99
85) sec-Butylbenzene	13.41	105	1217338	55.864	ug/l	100
86) p-Isopropyltoluene	13.53	119	1115155	55.959	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	552721	52.556	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	537479	51.783	ug/l	99
89) n-Butylbenzene	13.86	91	1037630	56.506	ug/l	99
90) Hexachloroethane	14.12	117	215590	53.281	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	463058	51.280	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	29183	47.896	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	315941	53.489	ug/l	98
94) Hexachlorobutadiene	15.28	225	197447	52.110	ug/l	99
95) Naphthalene	15.41	128	521572	54.317	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	275321	53.370	ug/l	99

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

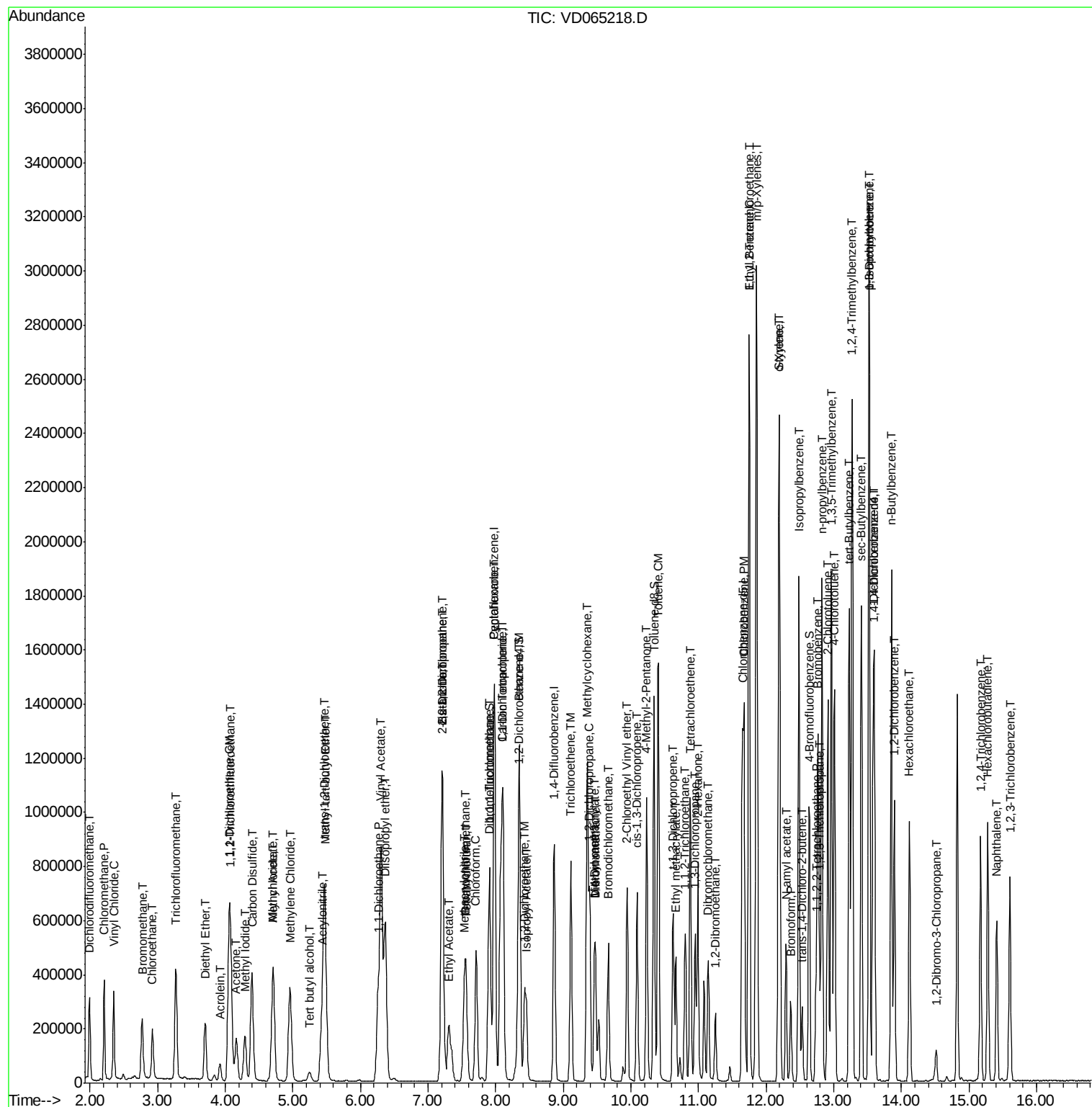
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD021820\
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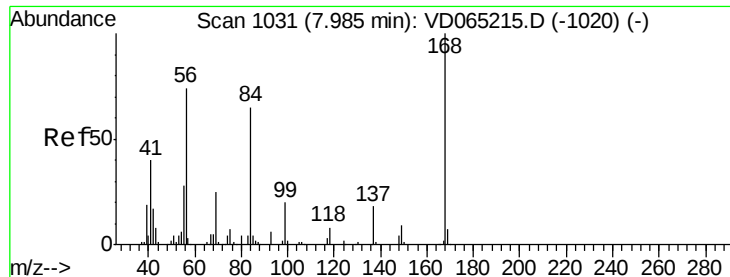
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion:168 Resp: 531420

Ion Ratio Lower Upper

168 100

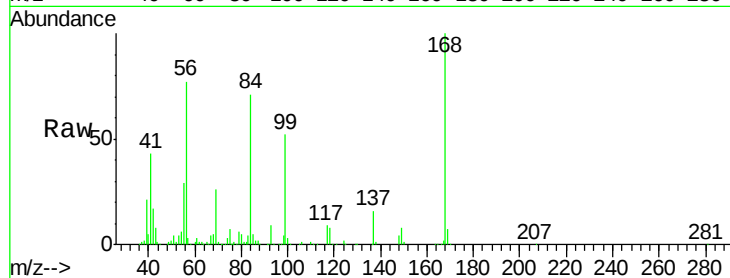
99 51.6 41.4 62.2

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

250000

200000

150000

100000

50000

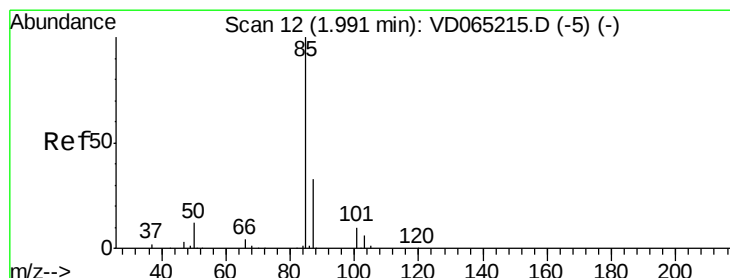
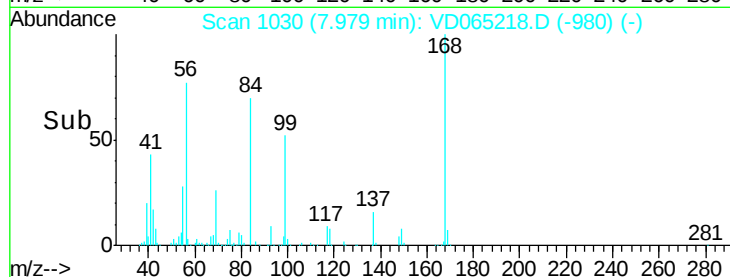
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 55.165 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065218.D

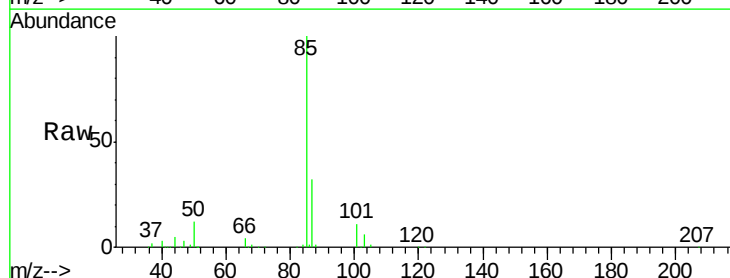
Acq: 18 Feb 2020 13:32

Tgt Ion: 85 Resp: 245881

Ion Ratio Lower Upper

85 100

87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

200000

150000

100000

50000

0

1.90

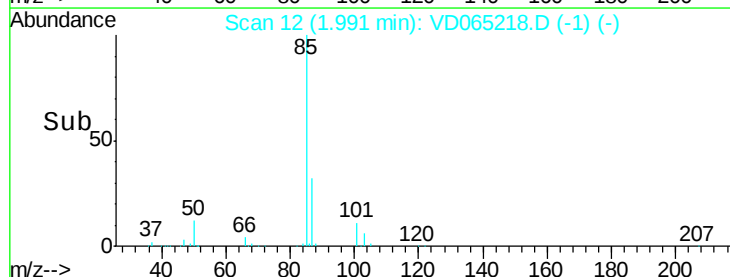
1.95

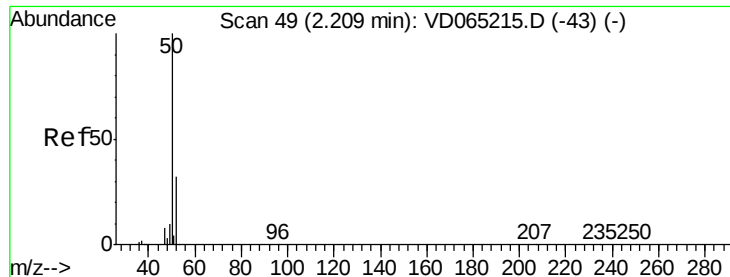
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 51.986 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 50 Resp: 294930

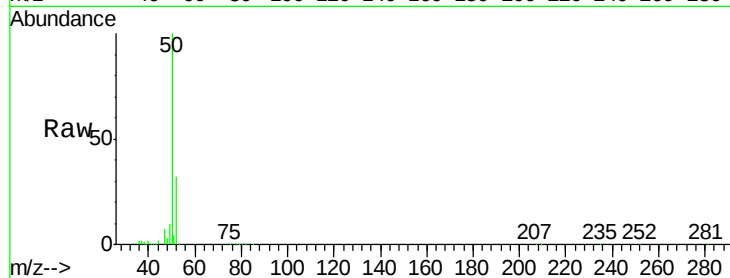
Ion Ratio Lower Upper

50 100

52 32.1 25.5 38.3

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

250000

200000

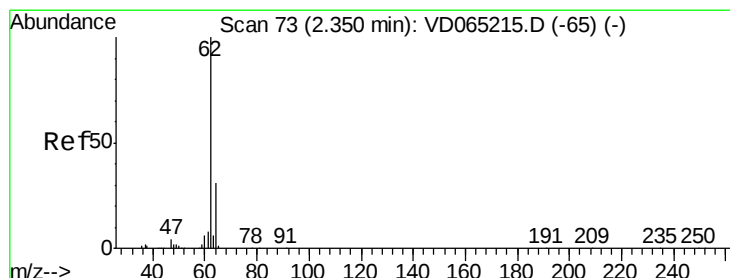
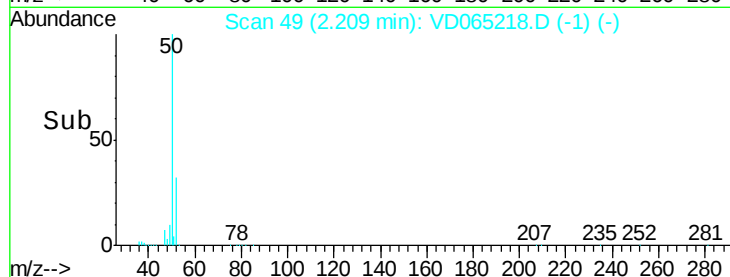
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 53.022 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065218.D

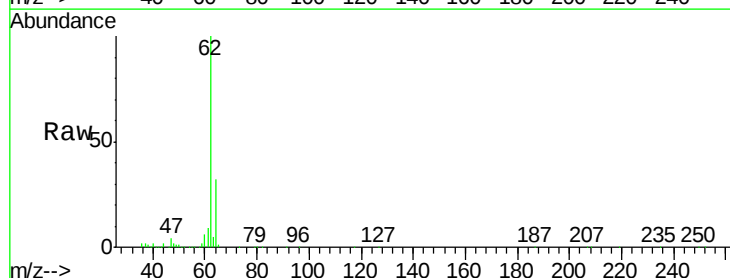
Acq: 18 Feb 2020 13:32

Tgt Ion: 62 Resp: 305879

Ion Ratio Lower Upper

62 100

64 32.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

200000

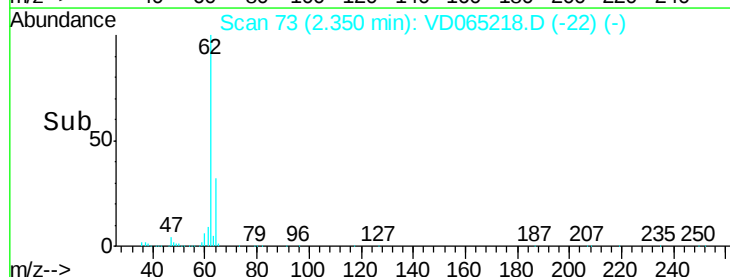
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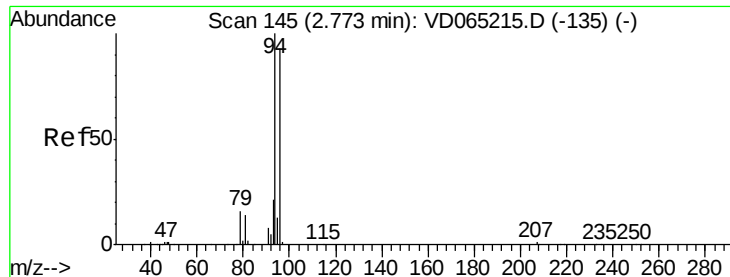
100000

50000

0

Time-->





#5

Bromomethane

Concen: 51.600 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 94 Resp: 179984

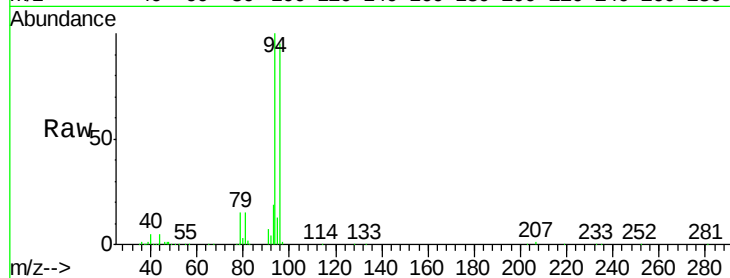
Ion Ratio Lower Upper

94 100

96 95.2 74.2 111.4

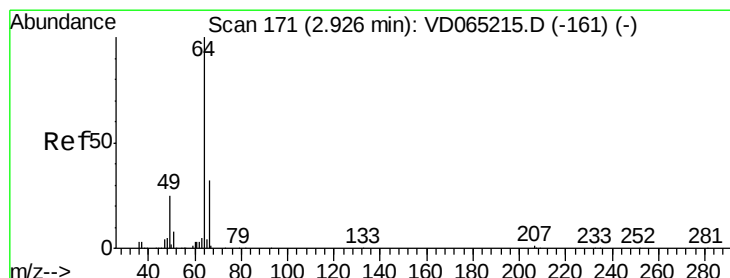
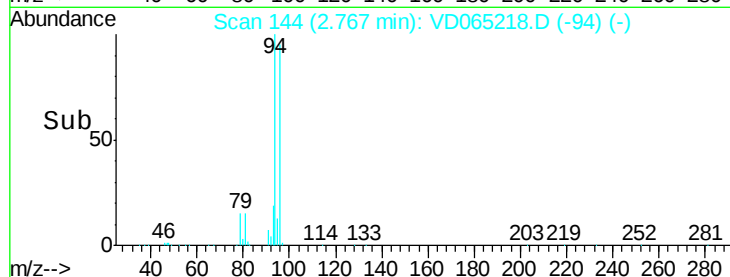
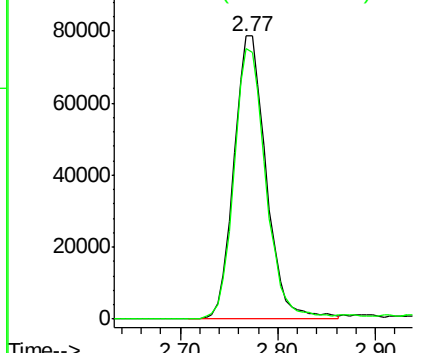
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.862 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065218.D

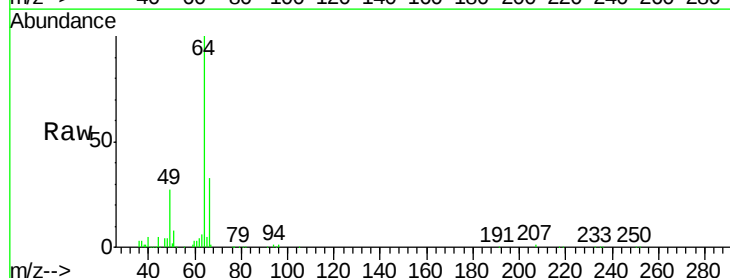
Acq: 18 Feb 2020 13:32

Tgt Ion: 64 Resp: 179105

Ion Ratio Lower Upper

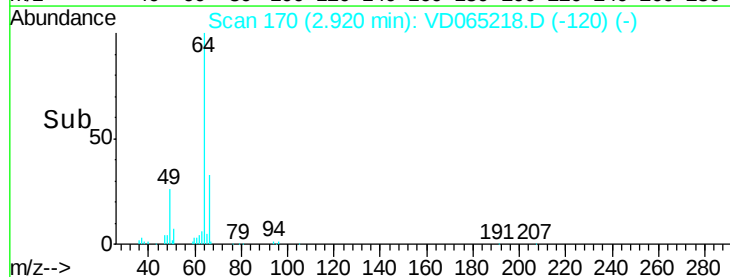
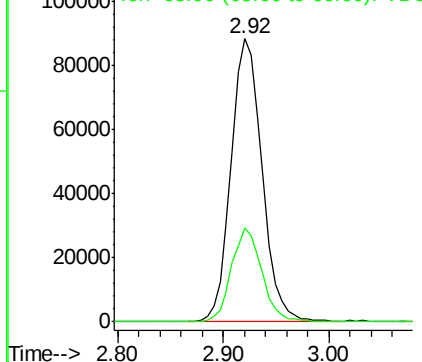
64 100

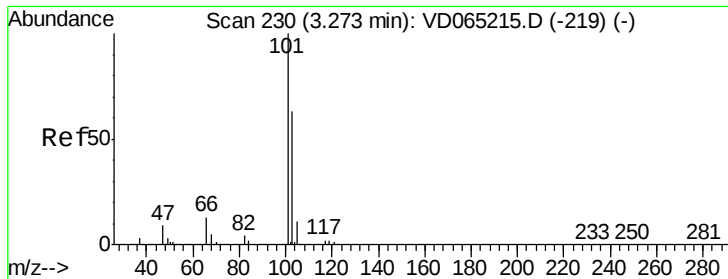
66 33.2 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

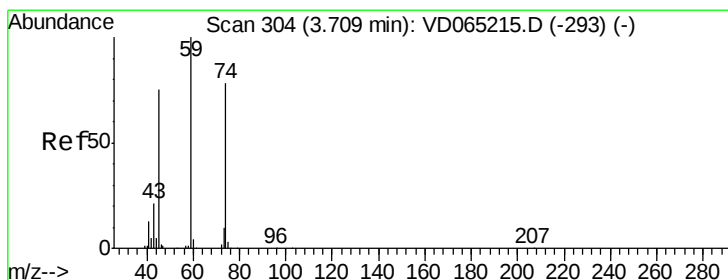
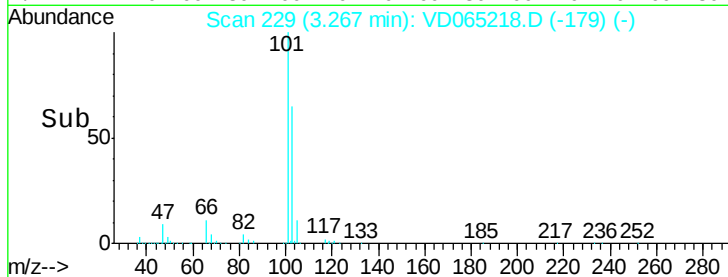
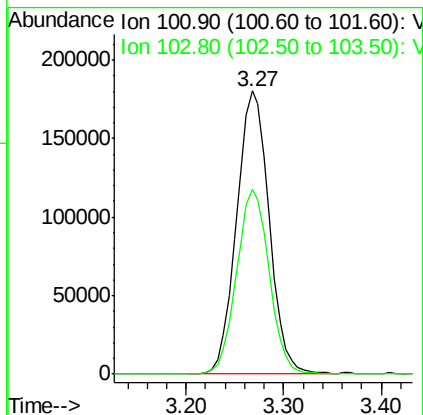
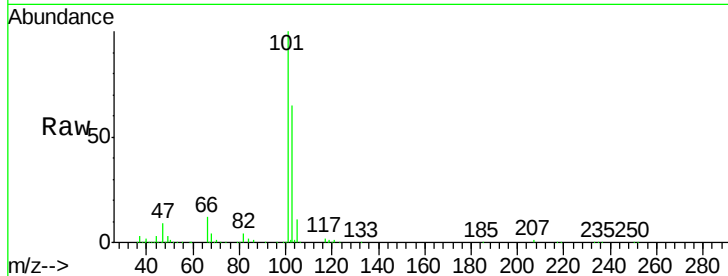
Trichlorofluoromethane
 Concen: 50.949 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065218.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.7	76.1

Manual Integrations
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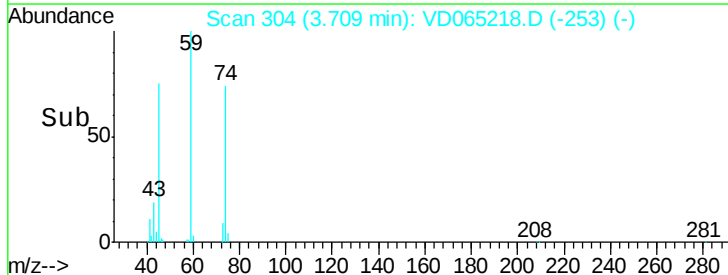
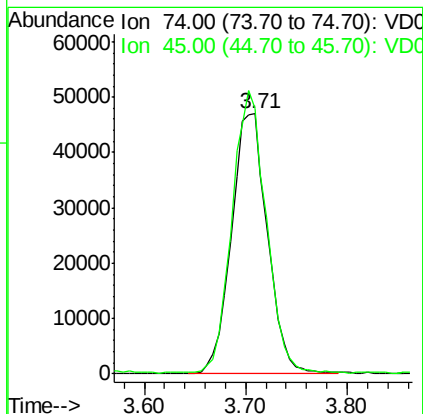
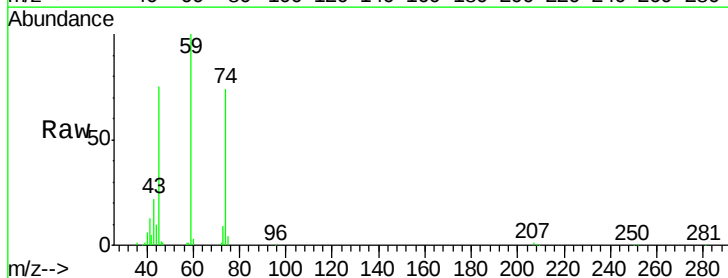
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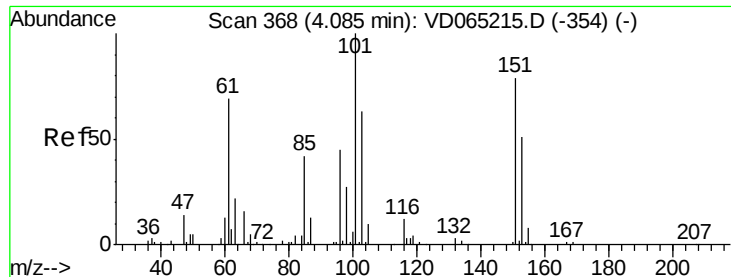


#8

Diethyl Ether
 Concen: 46.565 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.9	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.644 ug/l

RT: 4.08 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

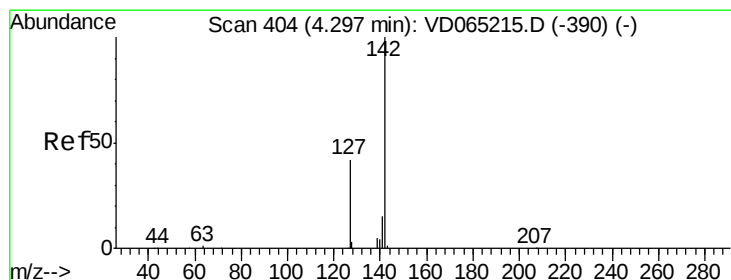
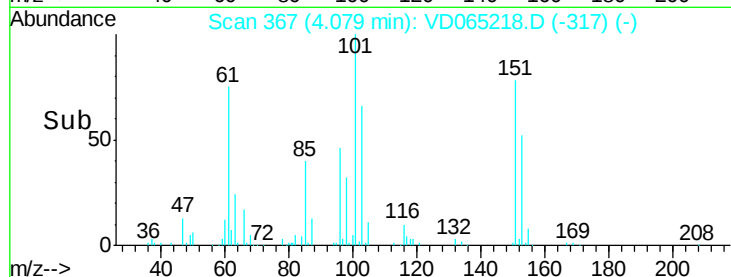
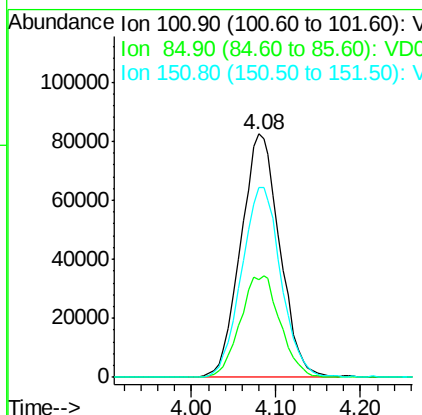
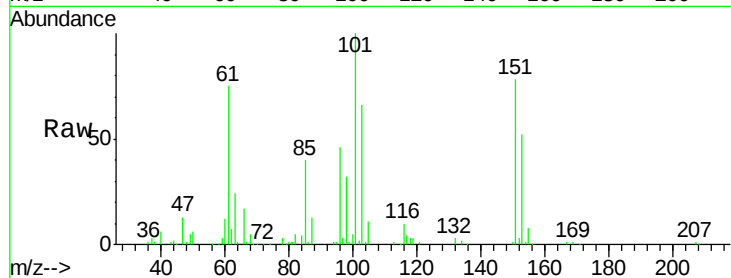
ClientSampleId :

ICVVD021820

Tot Ion:	101	Resp:	264148
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.2
151	79.2	63.5	95.3

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#10

Methyl Iodide

Concen: 53.573 ug/l

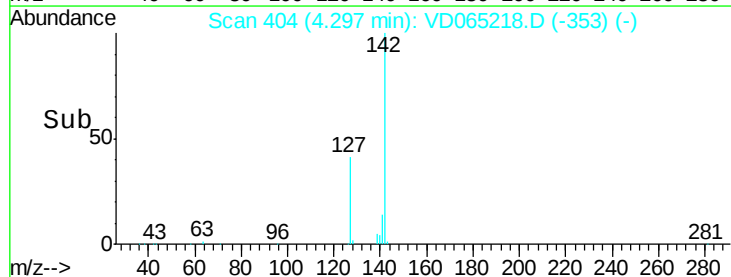
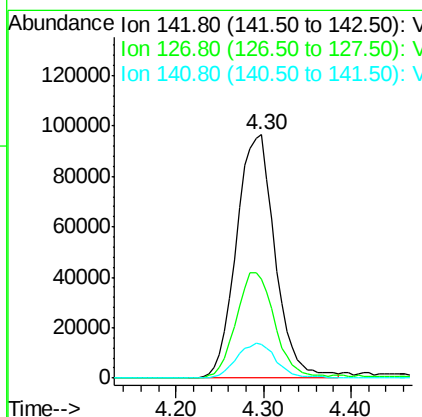
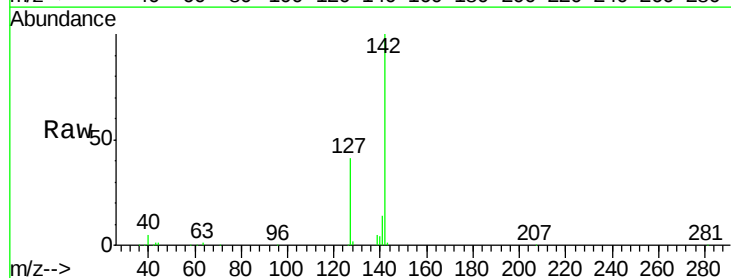
RT: 4.30 min Scan# 404

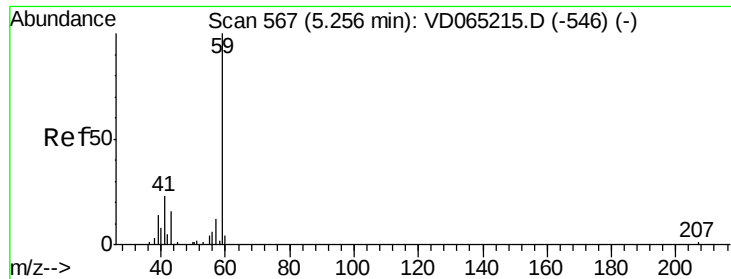
Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion:	142	Resp:	290125
Ion Ratio	Lower	Upper	
142	100		
127	43.3	33.8	50.8
141	14.6	11.7	17.5





#11

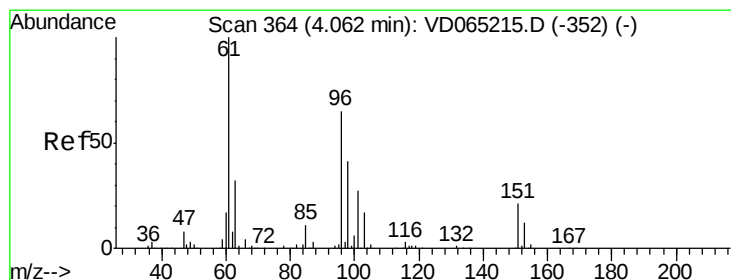
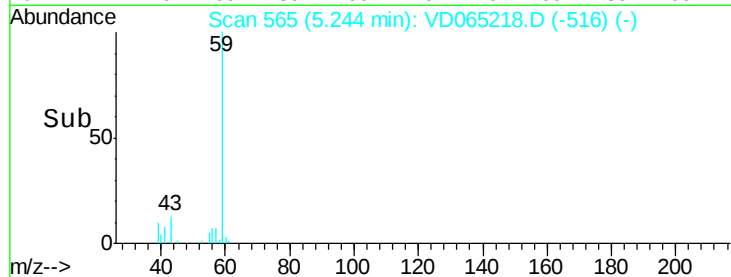
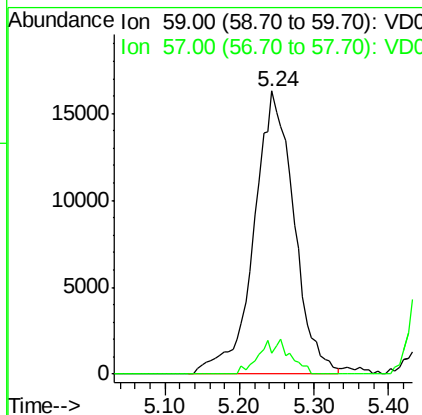
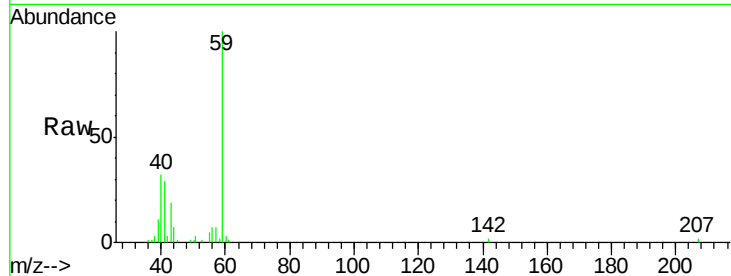
Tert butyl alcohol
Concen: 213.080 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.4	12.6#

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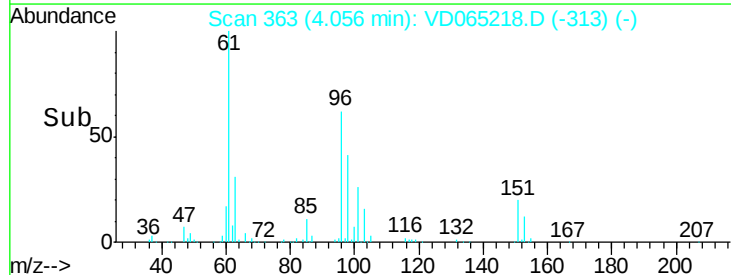
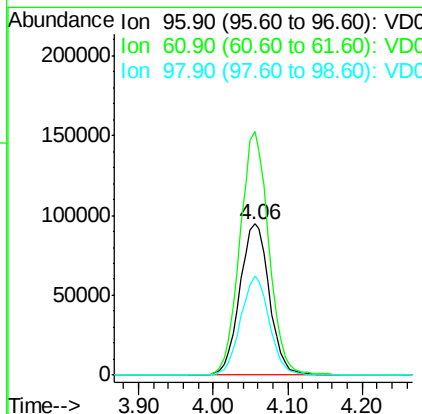
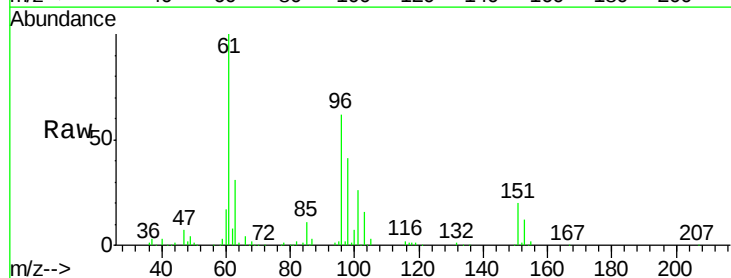
MMDadoda
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#12

1,1-Dichloroethene
Concen: 52.982 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.0	123.3	184.9
98	65.7	51.0	76.4





#13

Acrolein

Concen: 202.794 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 56 Resp: 72897

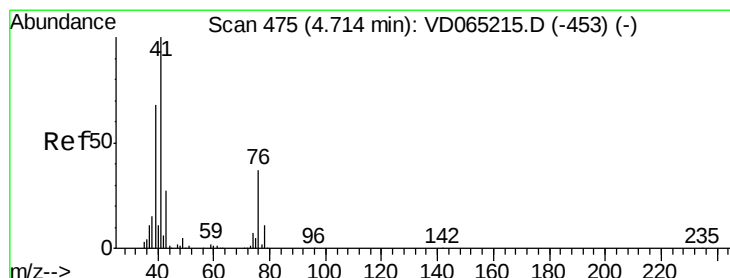
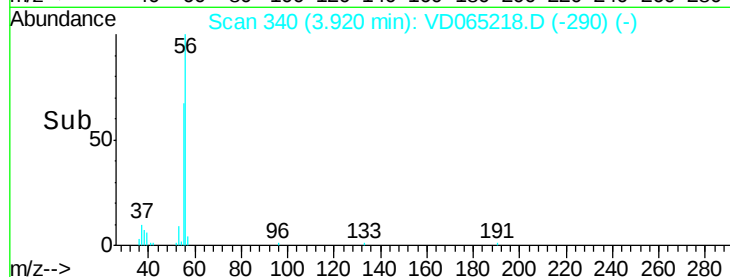
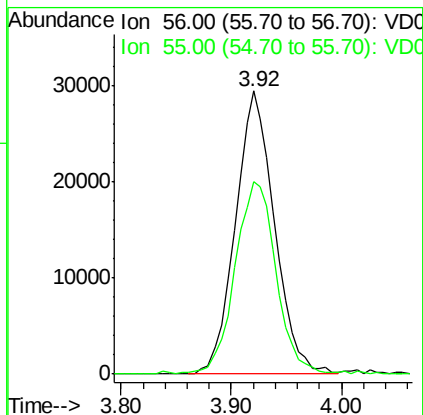
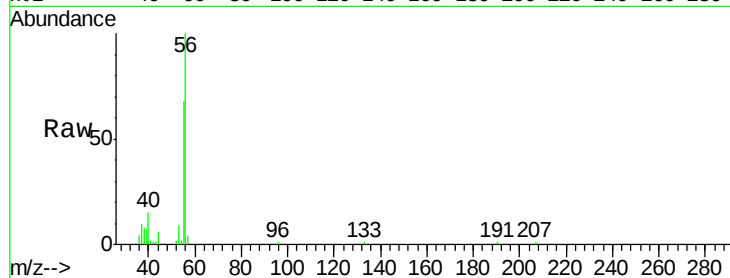
Ion Ratio Lower Upper

56 100

55 71.2 56.6 85.0

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#14

Allyl chloride

Concen: 52.598 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

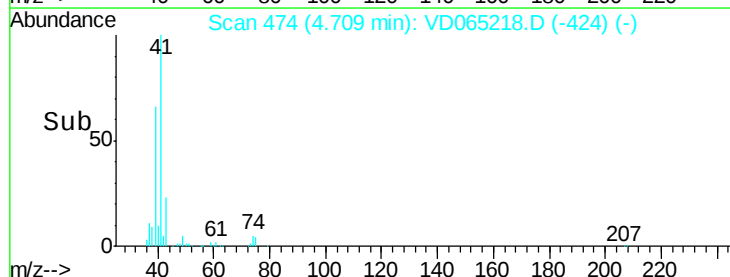
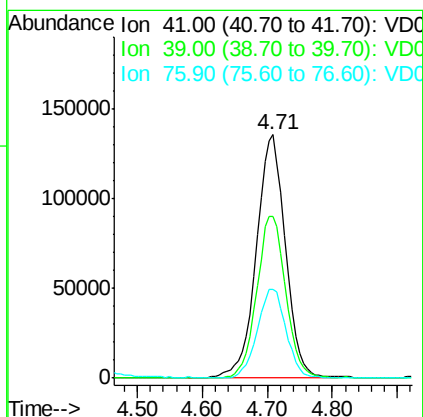
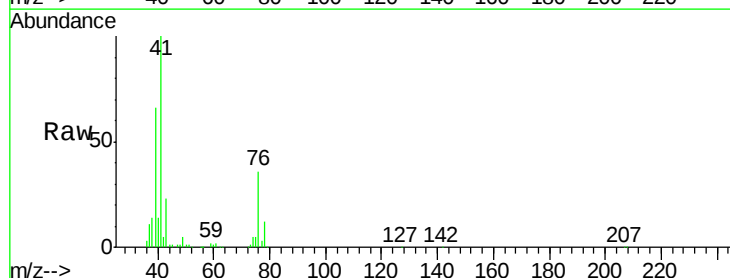
Tgt Ion: 41 Resp: 420839

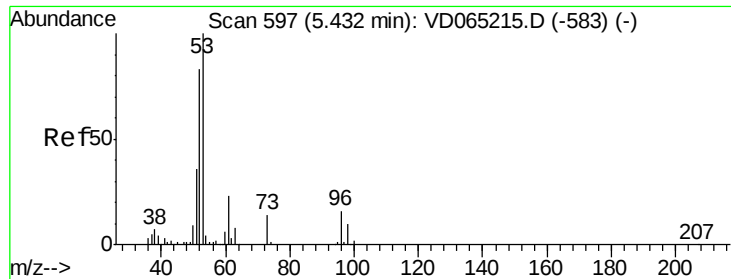
Ion Ratio Lower Upper

41 100

39 66.4 53.8 80.6

76 35.6 28.7 43.1





#15

Acrylonitrile

Concen: 228.697 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

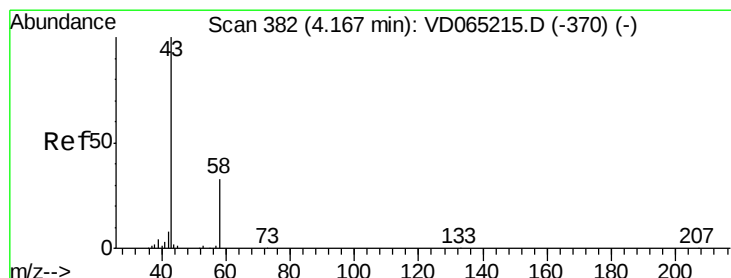
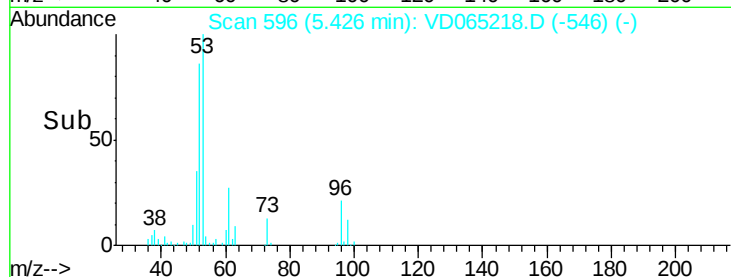
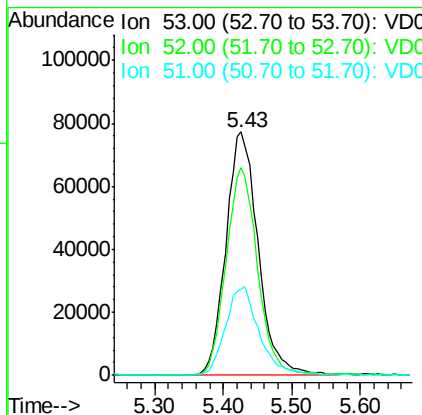
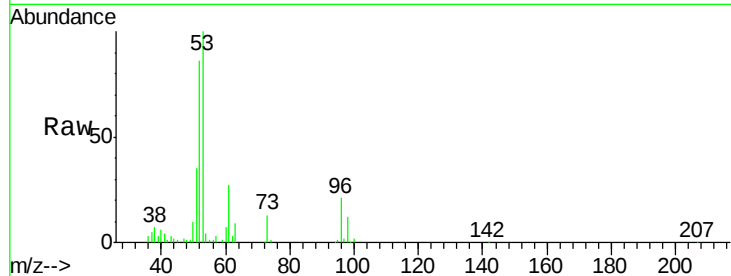
ClientSampleId :

ICVVD021820

Tot Ion:	53	Resp:	252431
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.4	98.2
51	37.8	29.5	44.3

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#16

Acetone

Concen: 234.668 ug/l

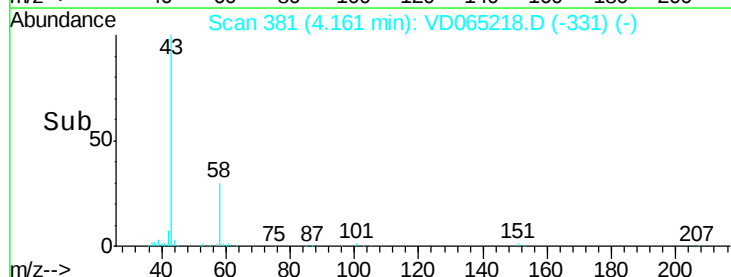
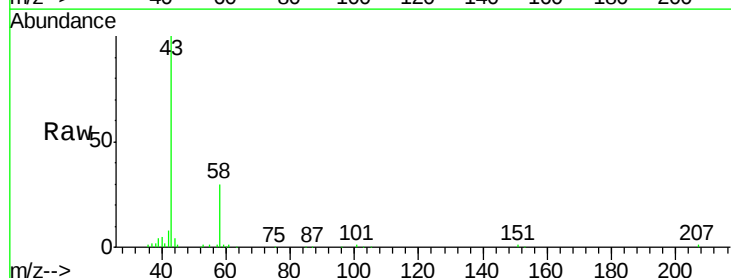
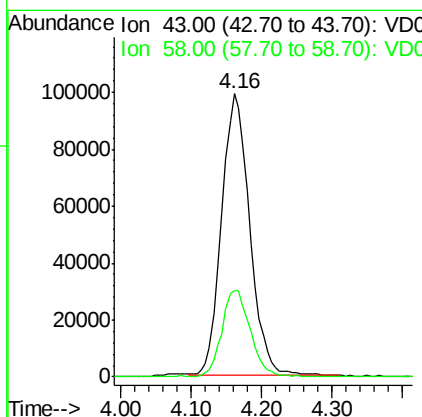
RT: 4.16 min Scan# 381

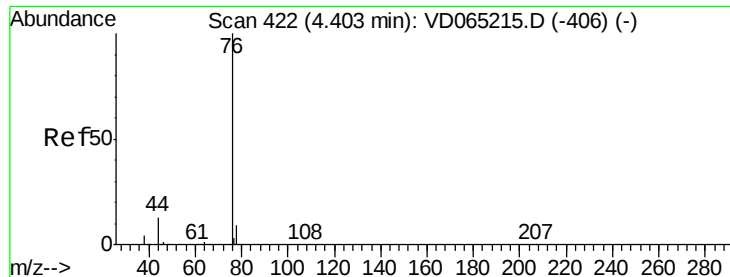
Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion:	43	Resp:	274242
Ion Ratio	Lower	Upper	
43	100		
58	30.5	26.2	39.2





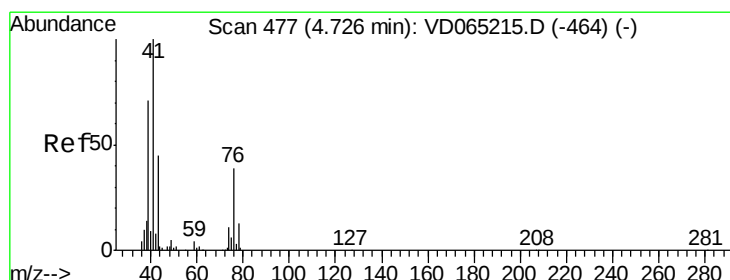
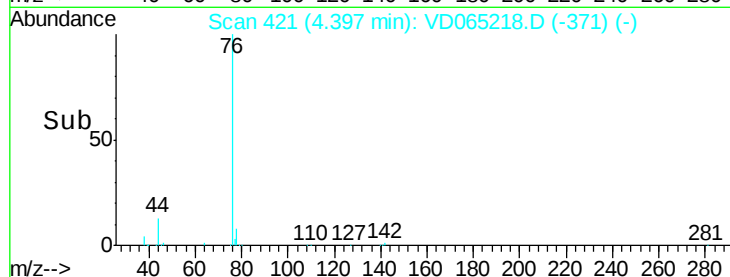
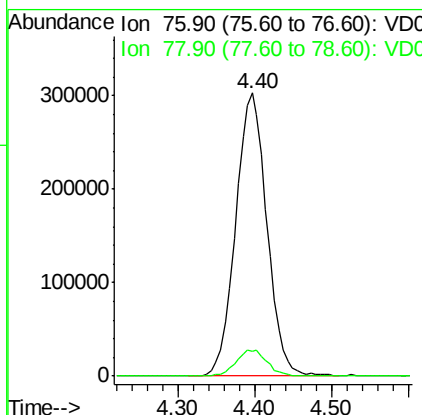
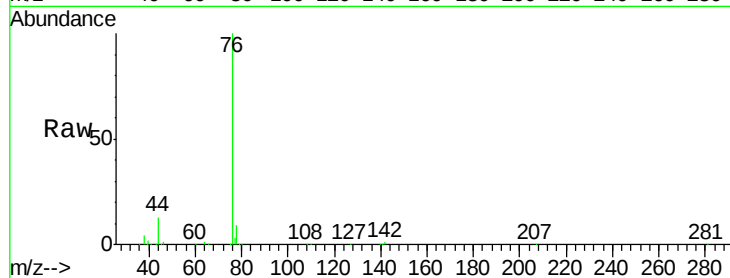
#17
Carbon Disulfide
Concen: 51.994 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.6

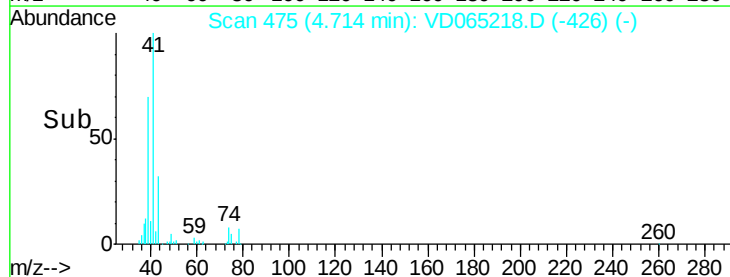
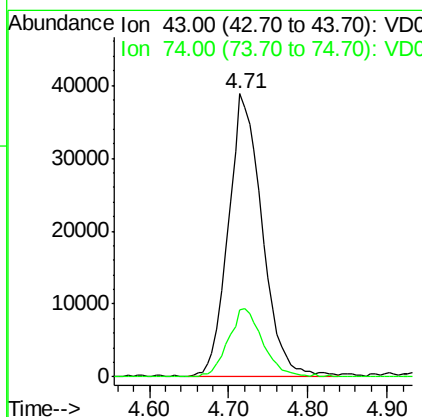
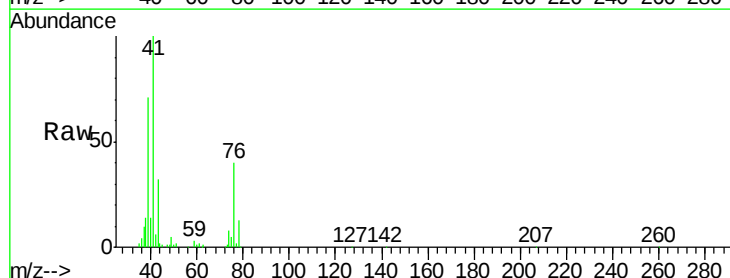
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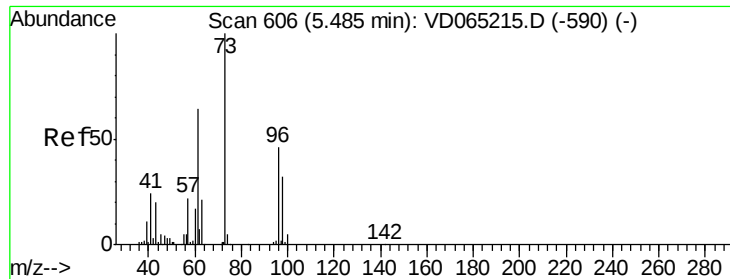
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#18
Methyl Acetate
Concen: 43.846 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.3	19.4	29.2





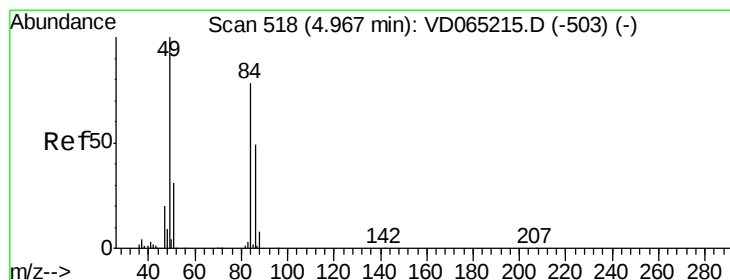
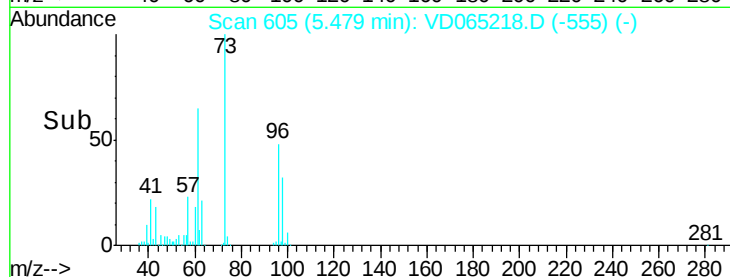
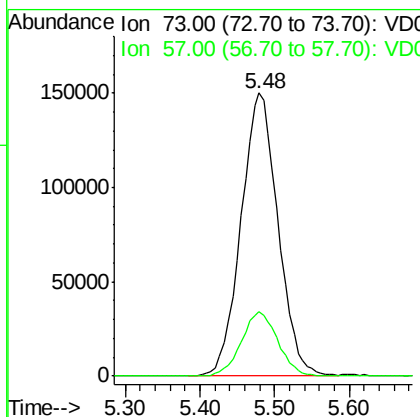
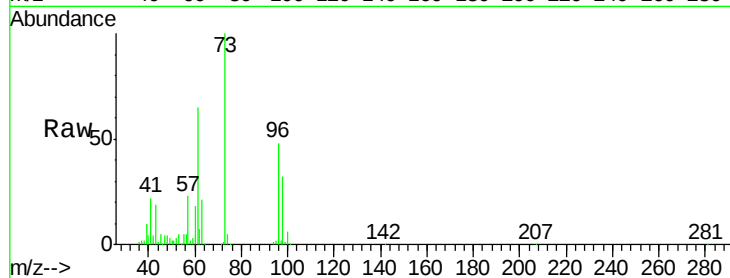
#19
Methvl tert-butvl Ether
Concen: 50.088 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion: 73 Resp: 514639
Ion Ratio Lower Upper
73 100
57 22.7 17.3 25.9

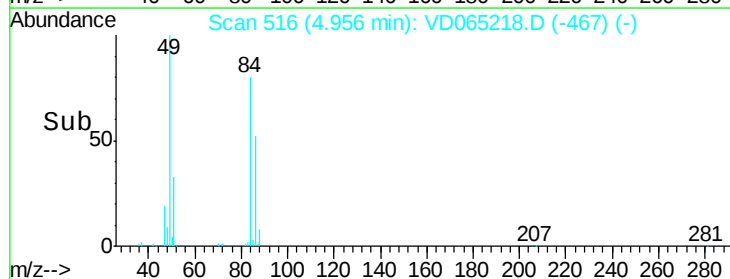
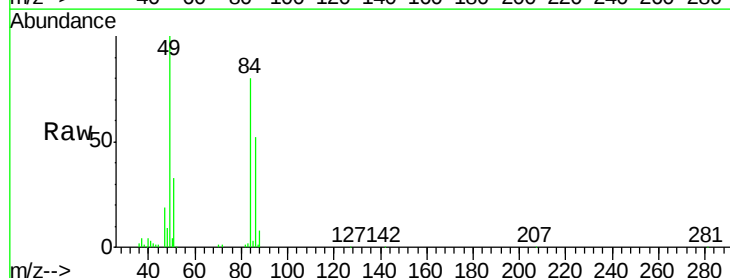
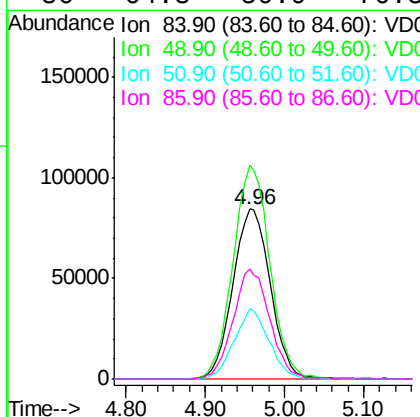
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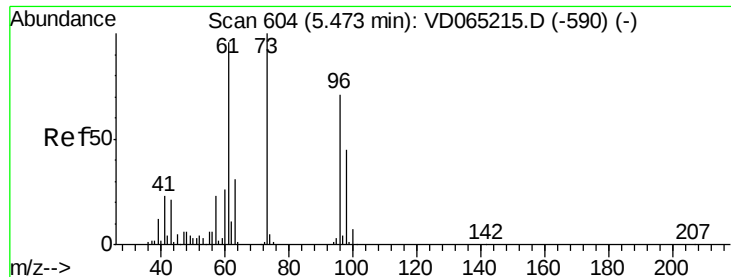
MMDadoda
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#20
Methylene Chloride
Concen: 53.541 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion: 84 Resp: 276847
Ion Ratio Lower Upper
84 100
49 125.4 103.1 154.7
51 41.5 31.7 47.5
86 64.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 52.642 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 96 Resp: 294859

Ion Ratio Lower Upper

96 100

61 128.6 108.3 162.5

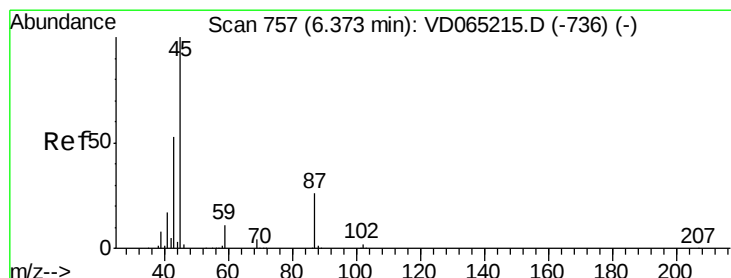
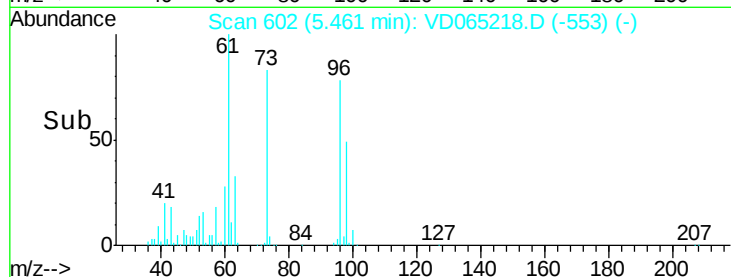
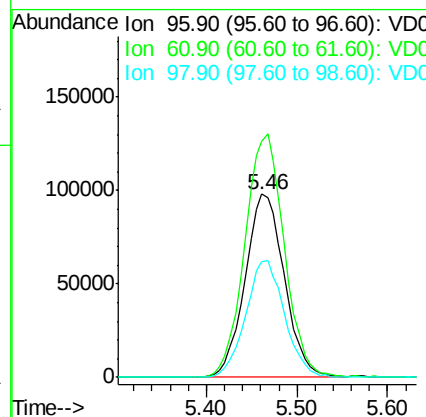
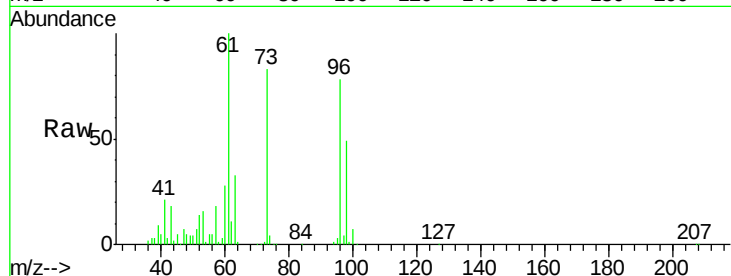
98 63.4 50.7 76.1

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#22

Diisopropyl ether

Concen: 51.484 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion: 45 Resp: 794113

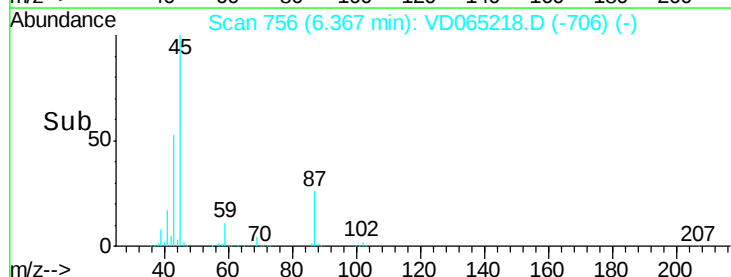
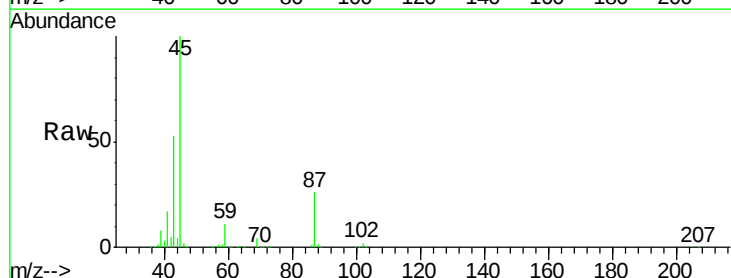
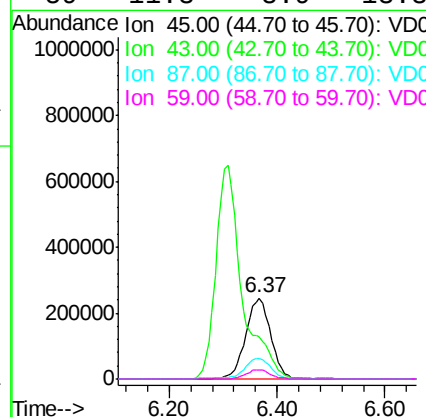
Ion Ratio Lower Upper

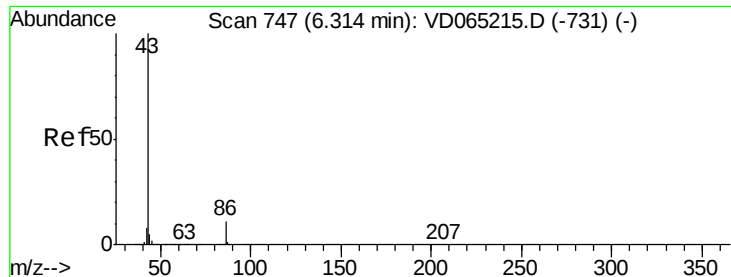
45 100

43 52.2 42.6 64.0

87 25.9 21.2 31.8

59 11.3 8.9 13.3





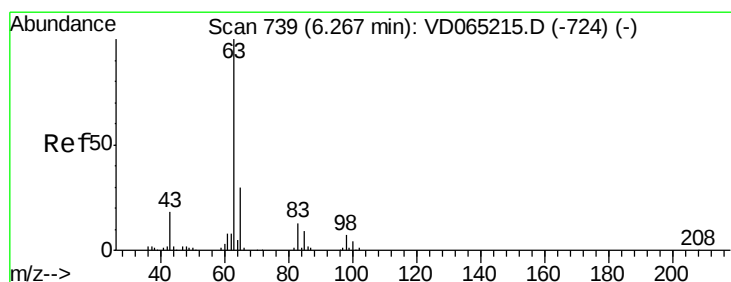
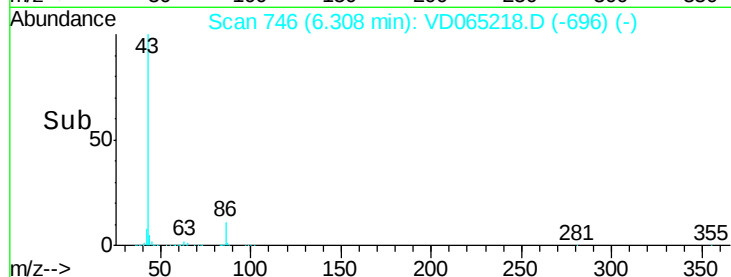
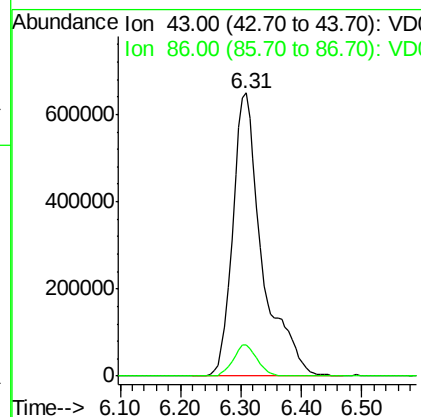
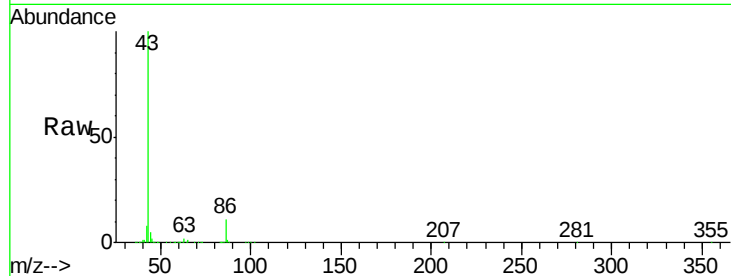
#23
 Vinyl Acetate
 Concen: 258.446 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion: 43 Resp: 2197660
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.6 12.8

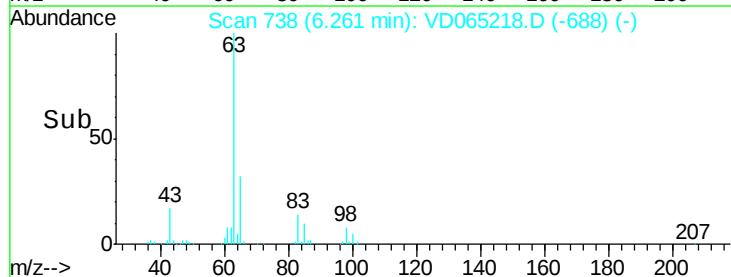
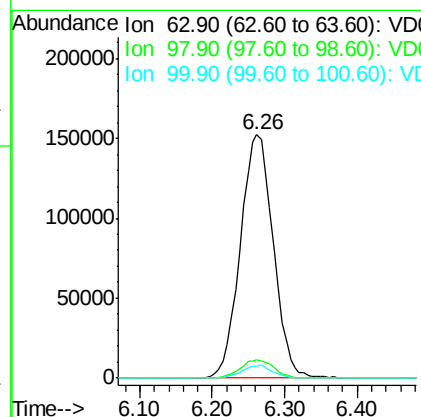
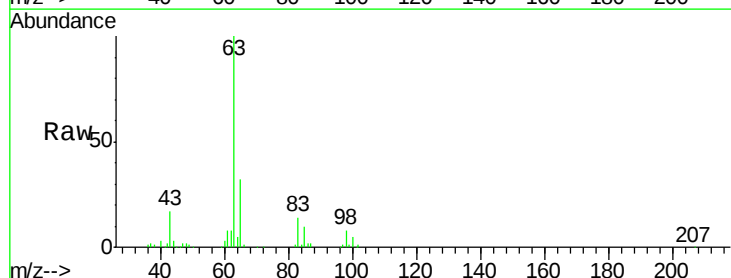
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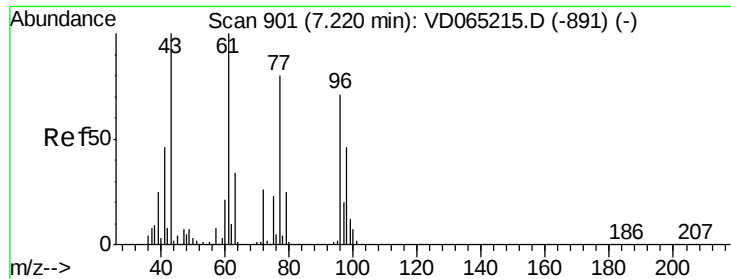
MMDadoda
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#24
 1,1-Dichloroethane
 Concen: 50.234 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion: 63 Resp: 480594
 Ion Ratio Lower Upper
 63 100
 98 7.7 3.4 10.1
 100 4.7 2.3 6.8





#25

2-Butanone

Concen: 224.482 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 43 Resp: 331915

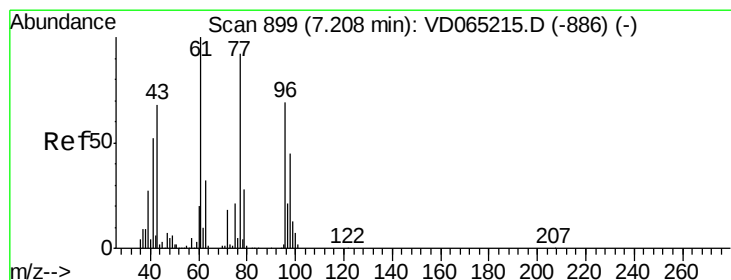
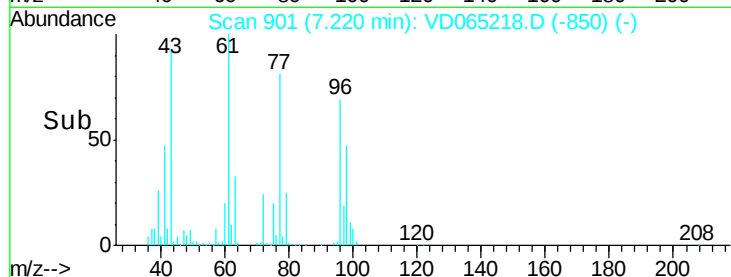
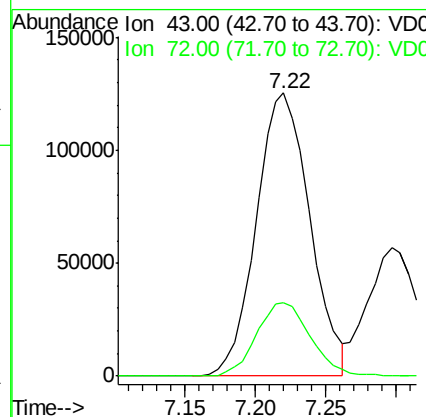
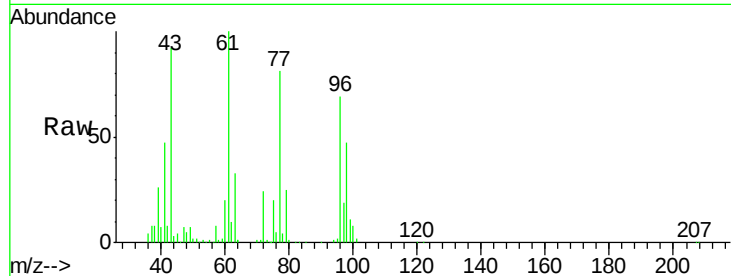
Ion Ratio Lower Upper

43 100

72 26.1 20.9 31.3

Manual Integrations
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2/19/2020 1:44:21 PM



#26

2,2-Dichloropropane

Concen: 51.320 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065218.D

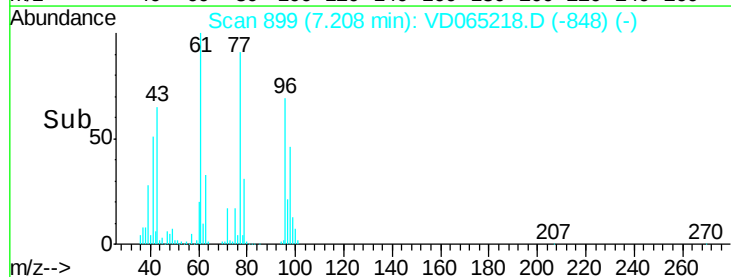
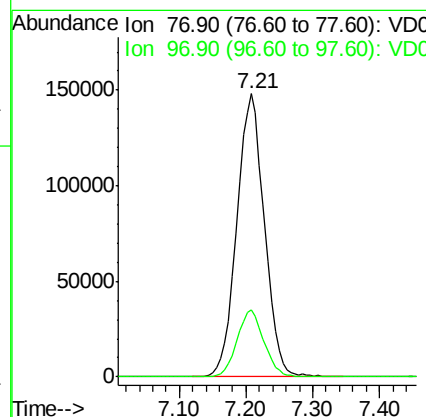
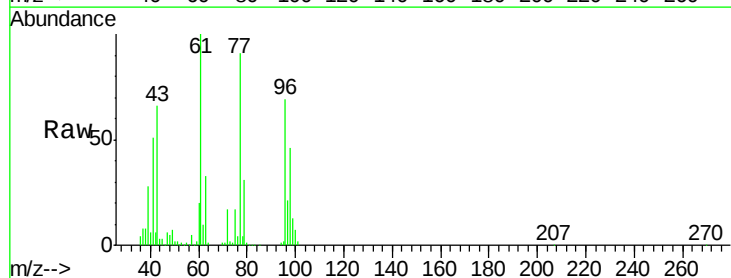
Acq: 18 Feb 2020 13:32

Tgt Ion: 77 Resp: 425993

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1





#27

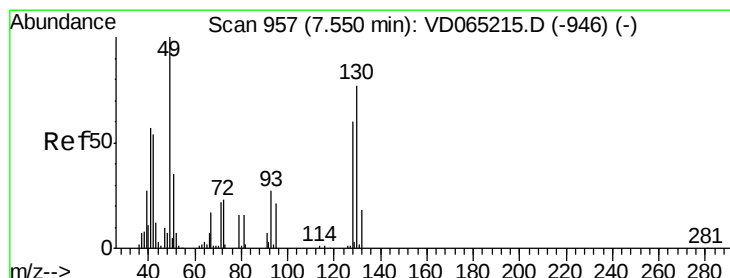
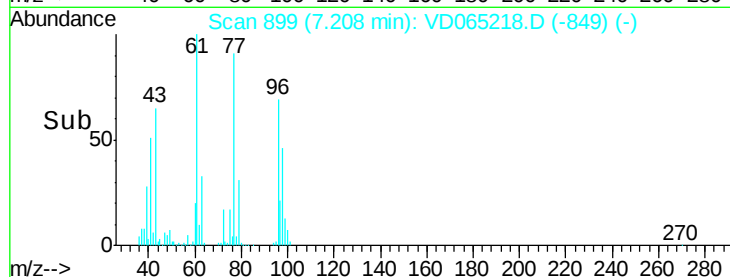
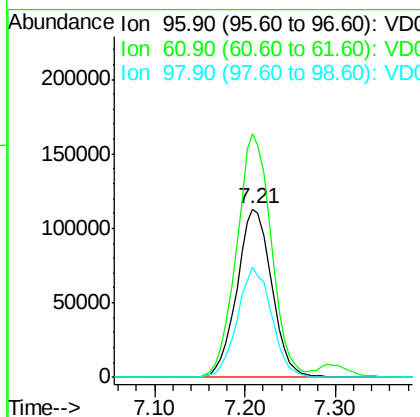
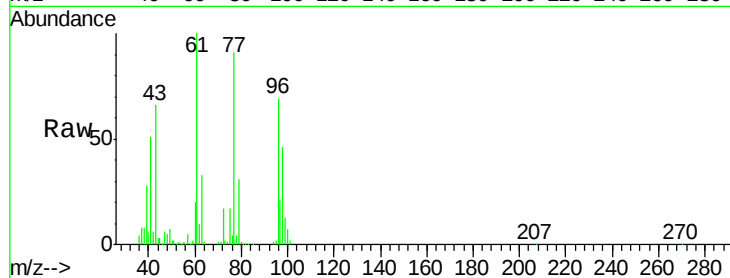
cis-1,2-Dichloroethene
 Concen: 50.751 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion	Ratio	Resp	Lower	Upper
96	100	301110		
61	143.9	0.0	286.0	
98	64.4	0.0	127.8	

Manual Integrations
 APPROVED

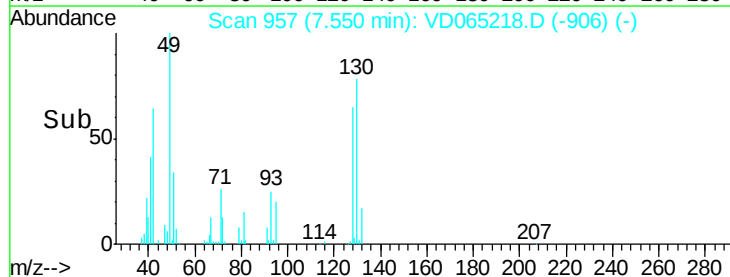
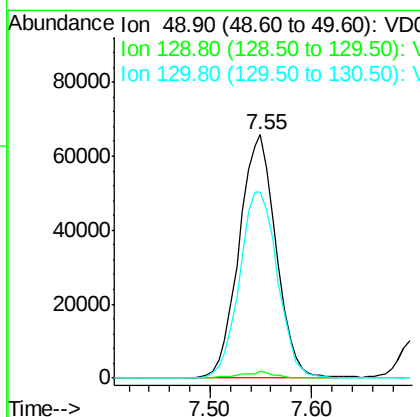
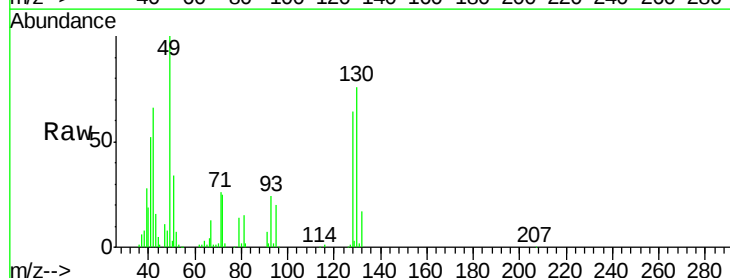
MMDadoda
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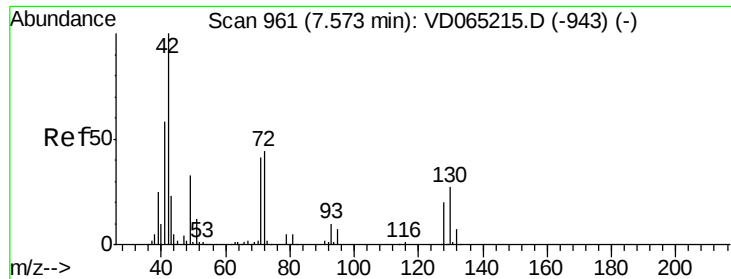


#28

Bromochloromethane
 Concen: 46.804 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	166124		
129	2.4	0.0	4.6	
130	78.9	64.7	97.1	





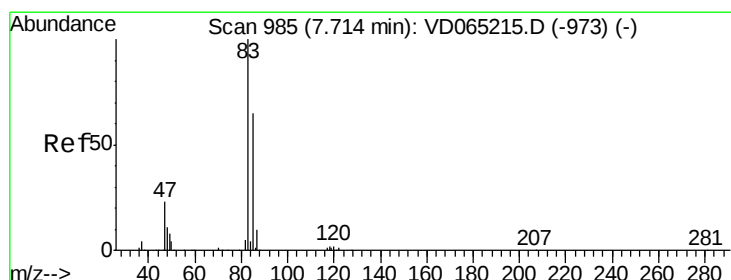
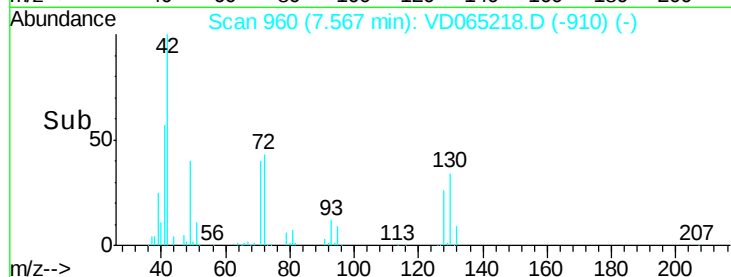
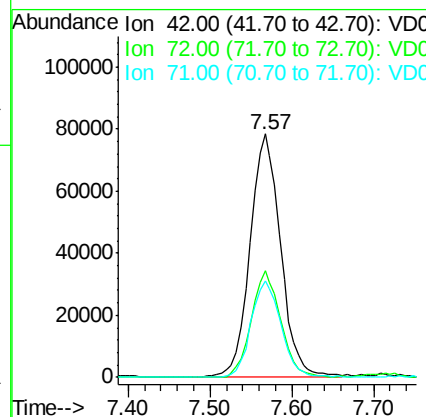
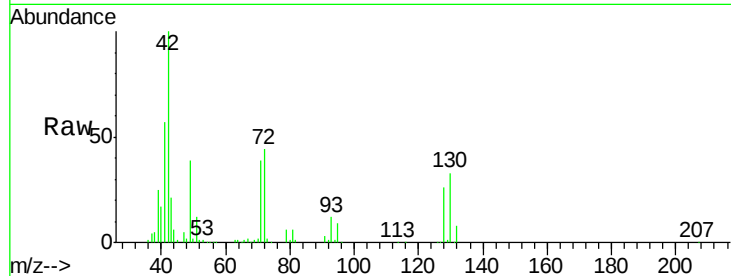
#29
Tetrahydrofuran
Concen: 235.562 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	39.1	31.4	47.2

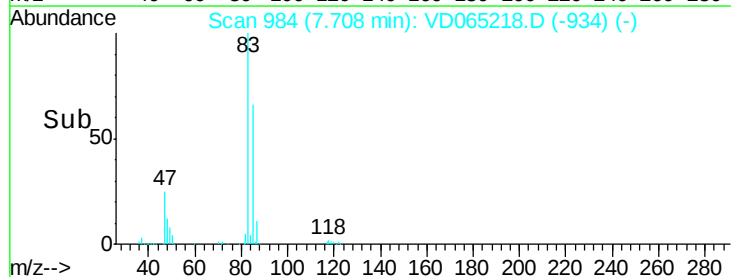
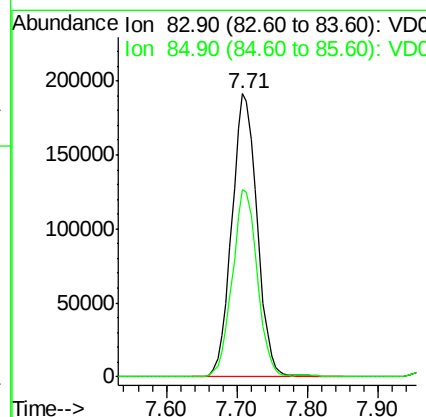
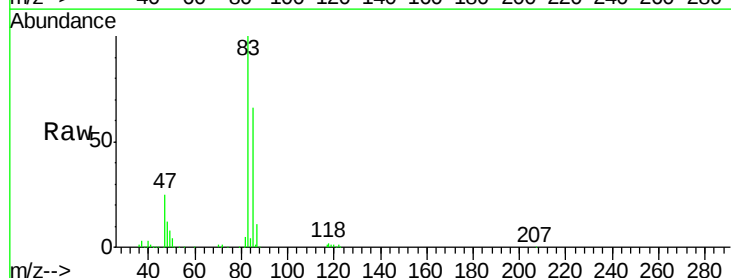
Manual Integrations
APPROVED

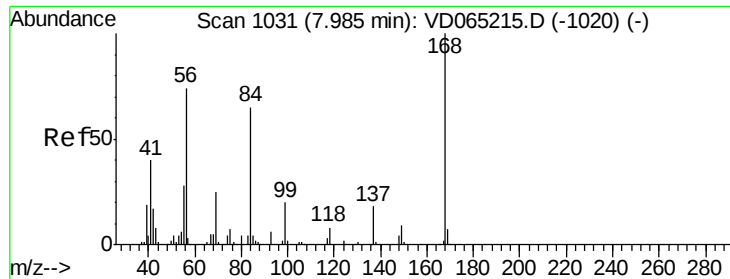
MMDadoda
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#30
Chloroform
Concen: 49.341 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.3	78.5





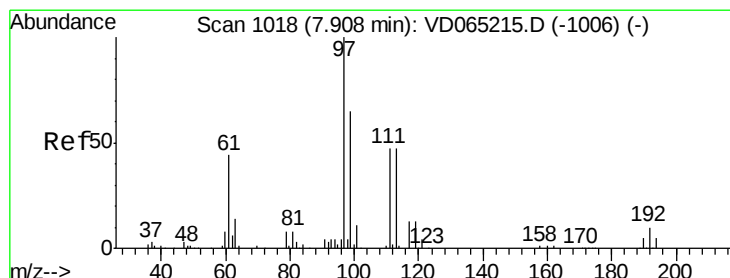
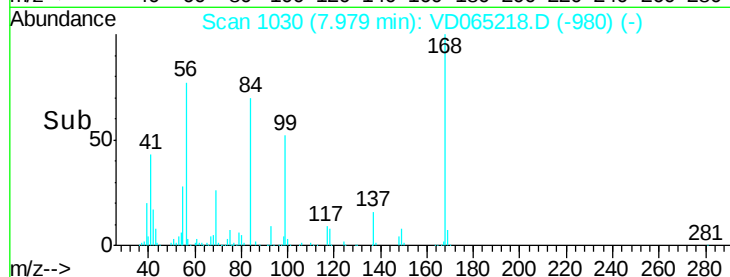
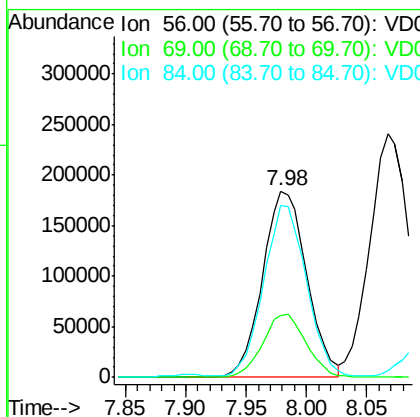
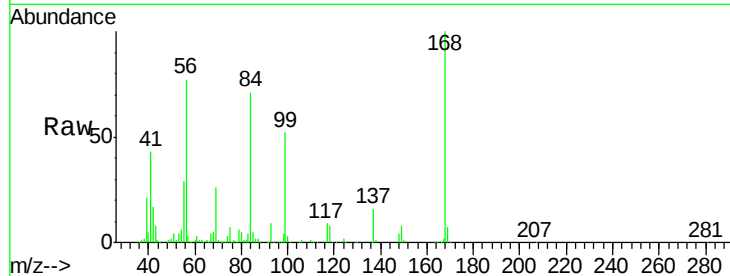
#31
Cyclohexane
Concen: 49.705 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	56	Resp	467222
Ion Ratio	Lower	Upper	
56	100		
69	33.3	27.4	41.0
84	90.3	71.1	106.7

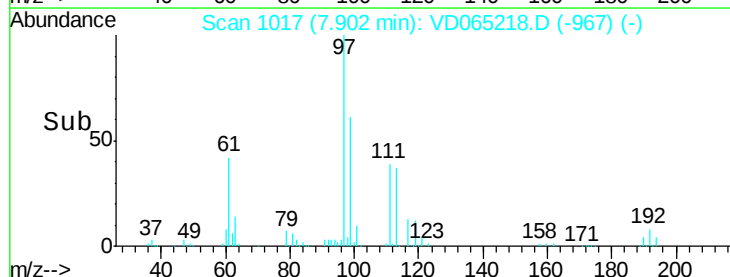
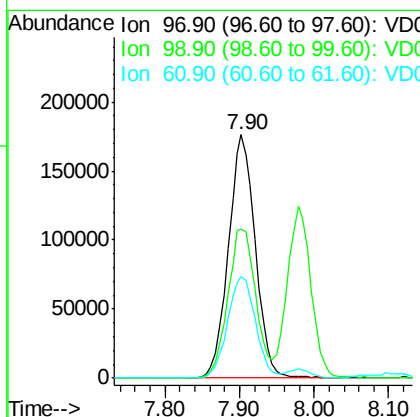
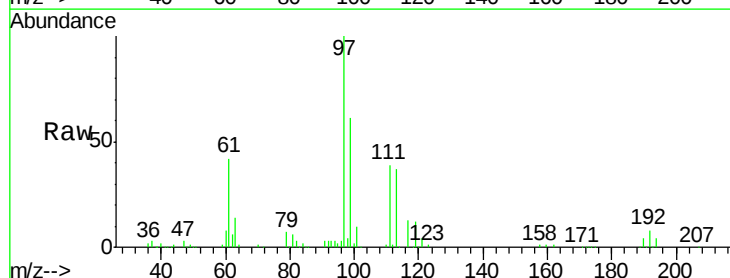
Manual Integrations
APPROVED

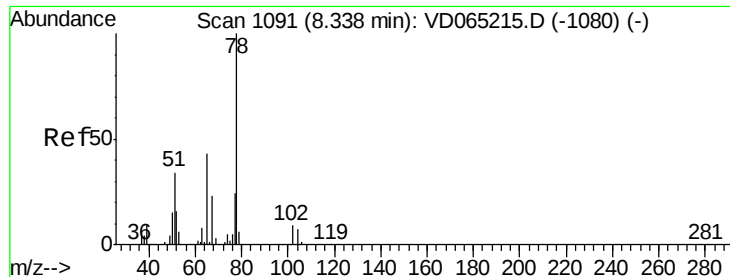
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 50.999 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	97	Resp	439808
Ion Ratio	Lower	Upper	
97	100		
99	64.0	51.4	77.2
61	43.6	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 48.397 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 65 Resp: 231373

Ion Ratio Lower Upper

65 100

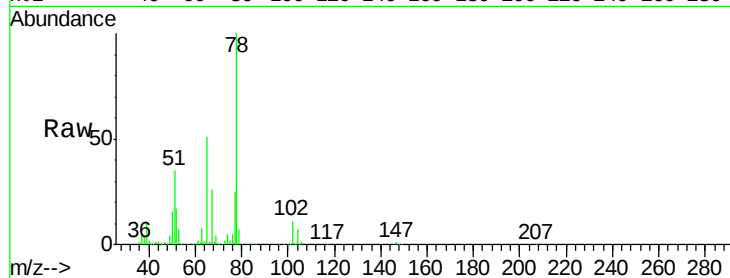
67 52.1 0.0 106.8

Manual Integrations

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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

120000

100000

80000

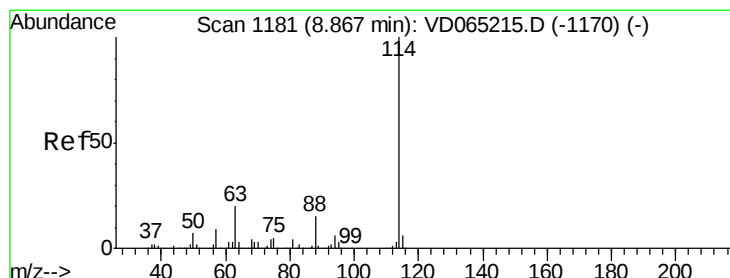
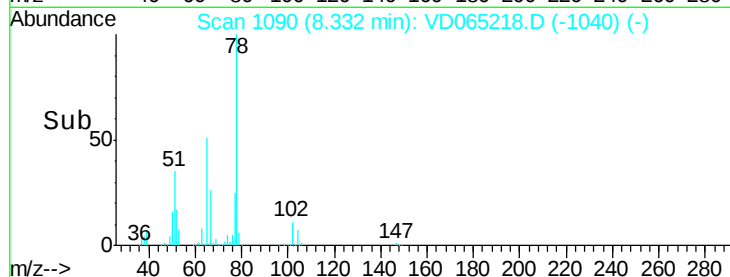
60000

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: VD065218.D

Acq: 18 Feb 2020 13:32

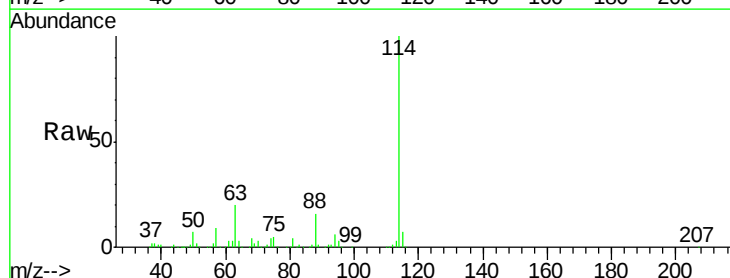
Tgt Ion:114 Resp: 774698

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

88 15.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

500000

400000

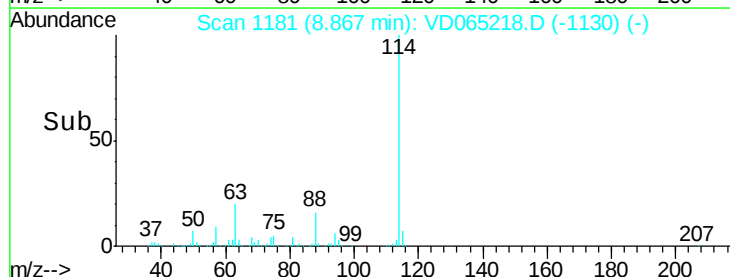
300000

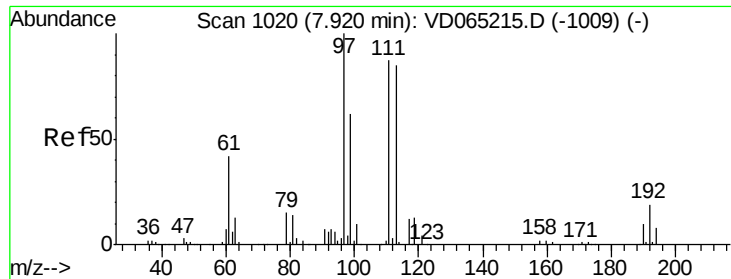
200000

100000

0

Time-->





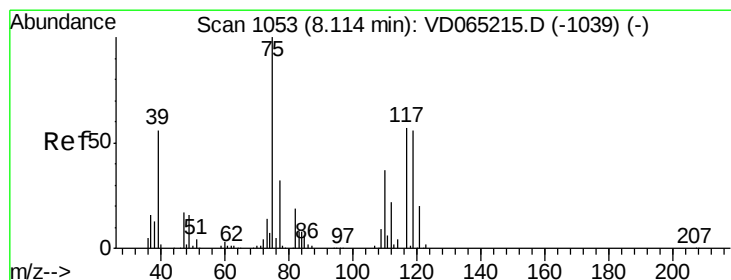
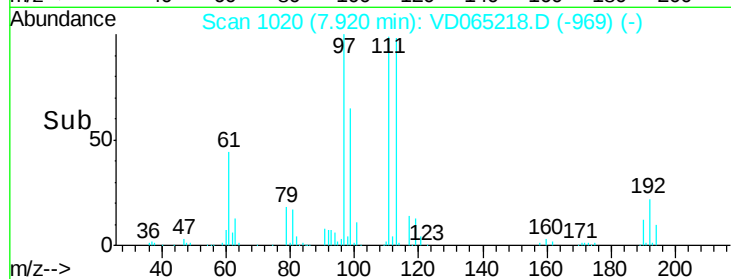
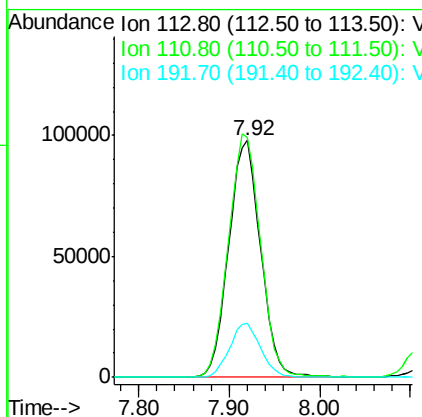
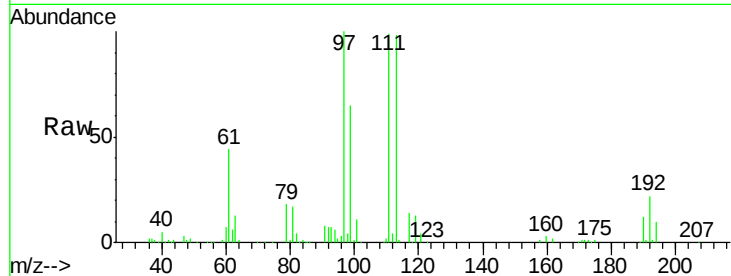
#35
Dibromofluoromethane
Concen: 50.701 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Resp	Lower	Upper
113	100	239493		
111	103.6	82.9	124.3	
192	22.2	17.3	25.9	

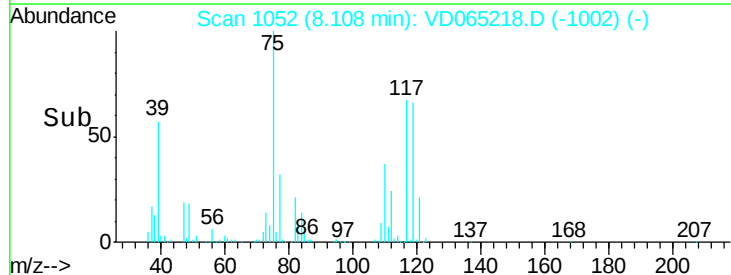
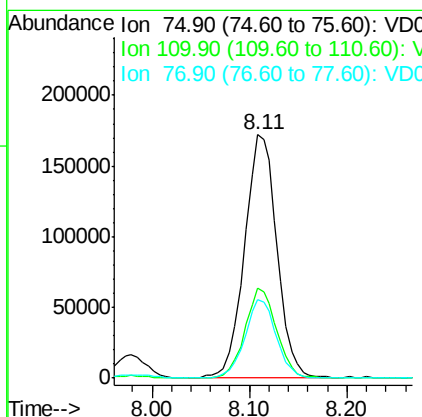
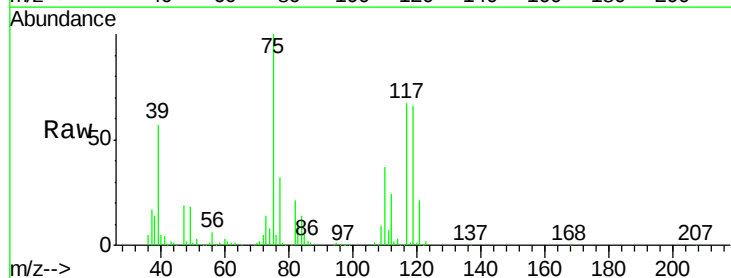
Manual Integrations
APPROVED

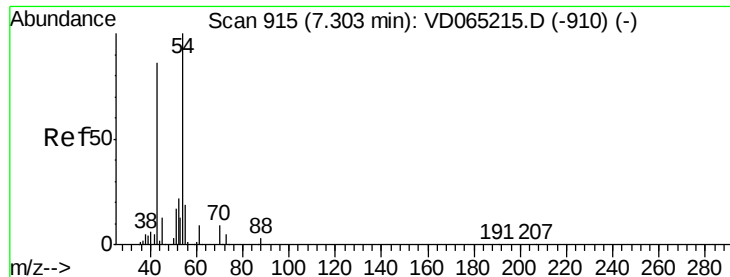
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#36
1,1-Dichloropropene
Concen: 52.848 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	398364		
110	36.2	17.9	53.7	
77	31.6	25.1	37.7	





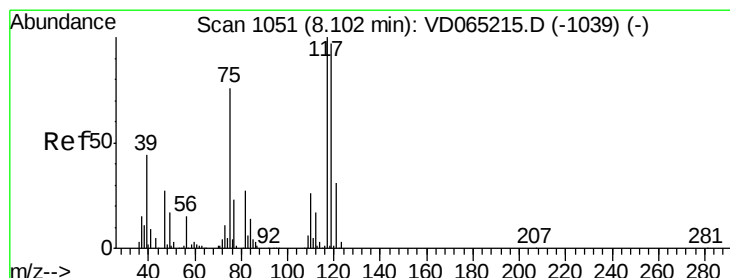
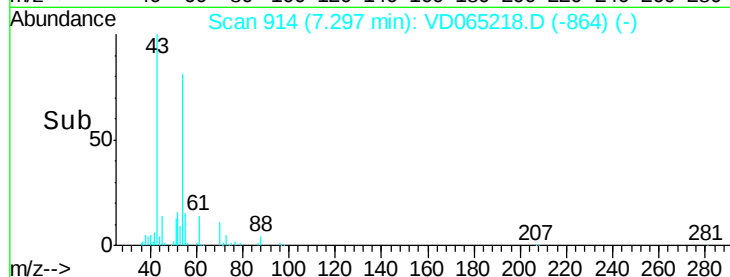
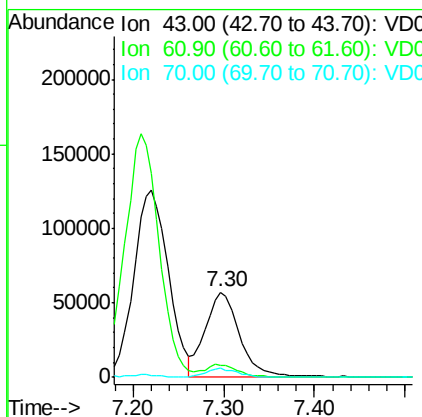
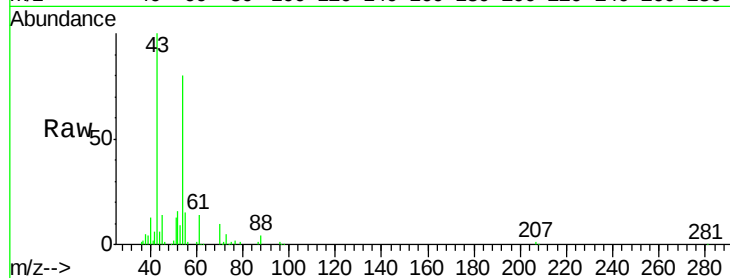
#37
Ethyl Acetate
Concen: 47.257 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	11.2	16.8
70	9.8	8.2	12.2

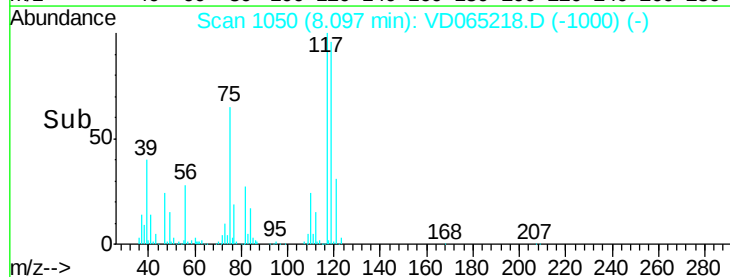
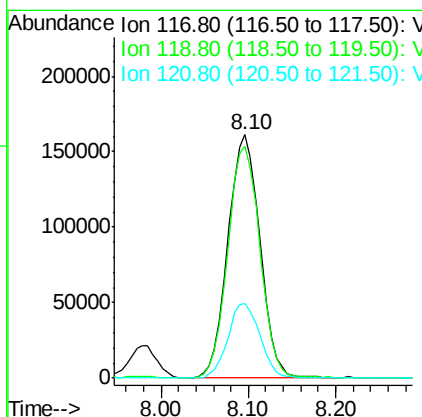
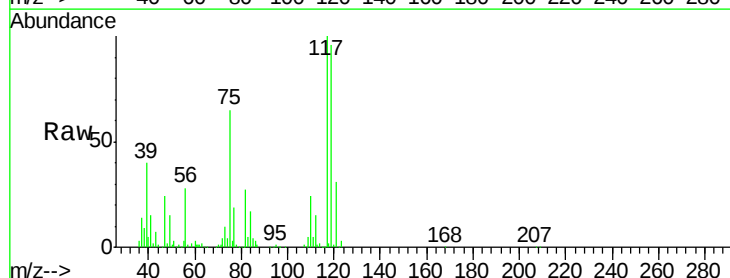
Manual Integrations
APPROVED

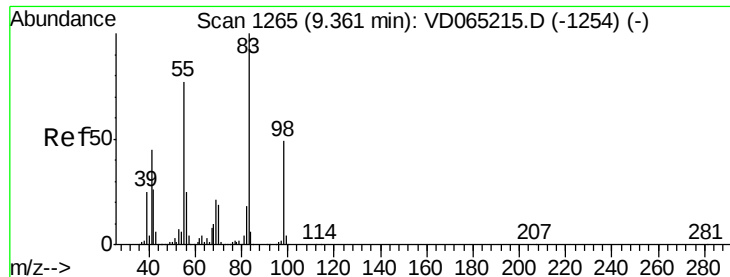
MMDadoda
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#38
Carbon Tetrachloride
Concen: 52.082 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.6	116.4
121	30.7	24.8	37.2





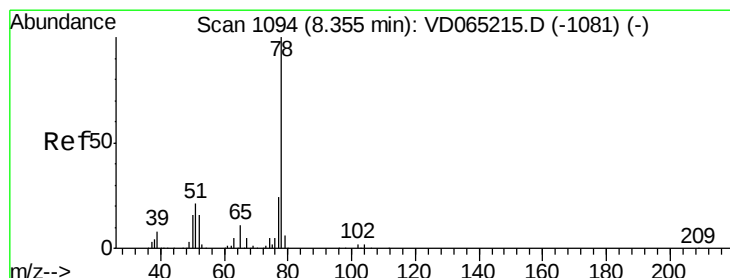
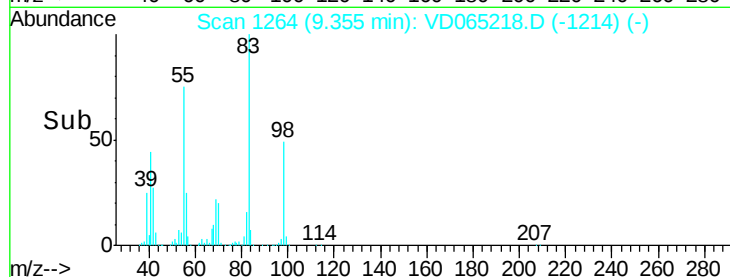
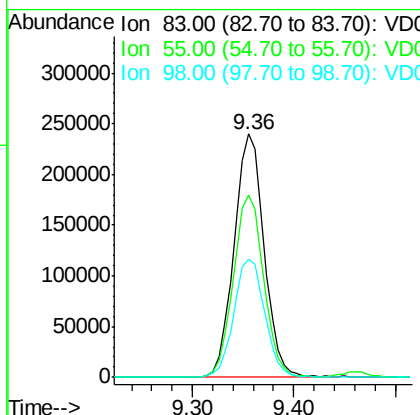
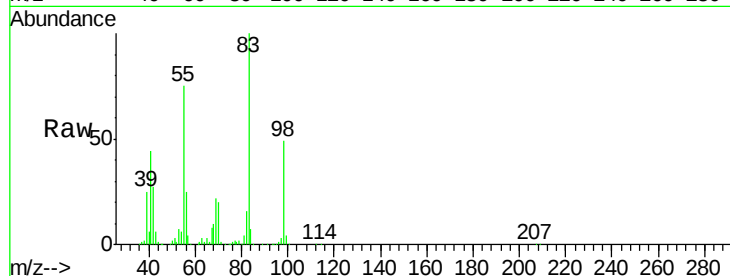
#39
Methvlcvclohexane
Concen: 55.716 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.9	61.8	92.6
98	48.7	39.4	59.0

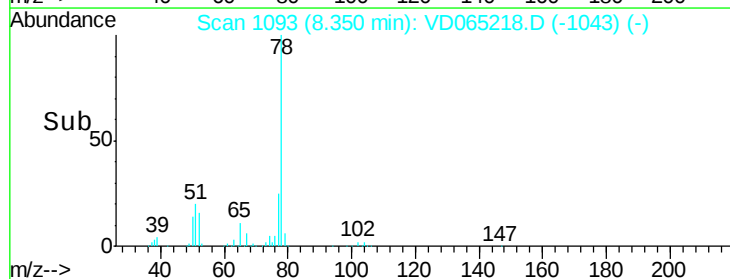
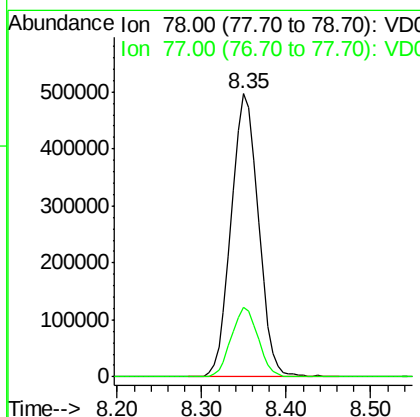
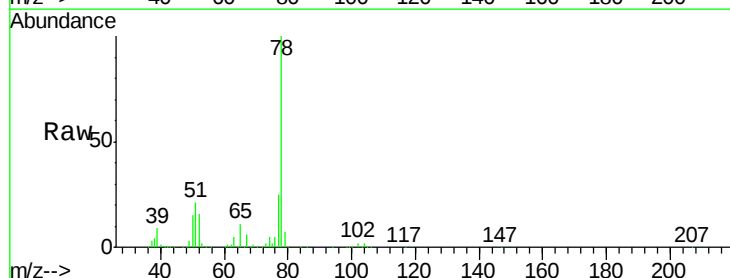
Manual Integrations
APPROVED

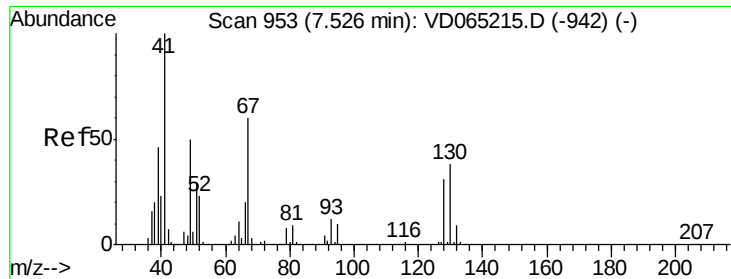
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#40
Benzene
Concen: 51.985 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.6





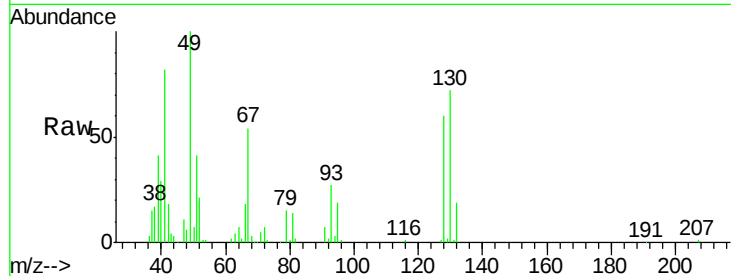
#41
Methacrylonitrile
Concen: 49.380 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

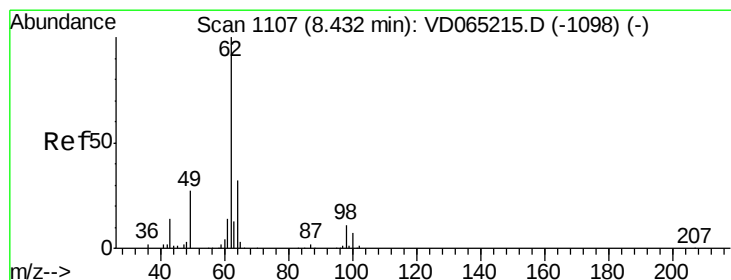
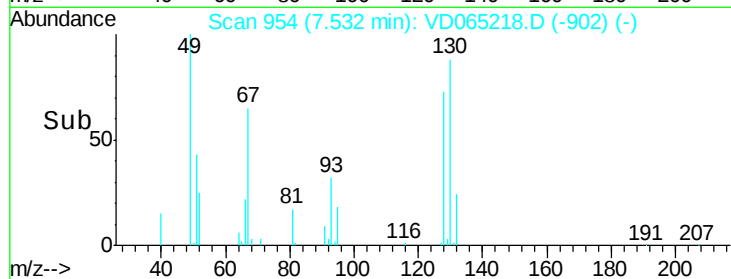
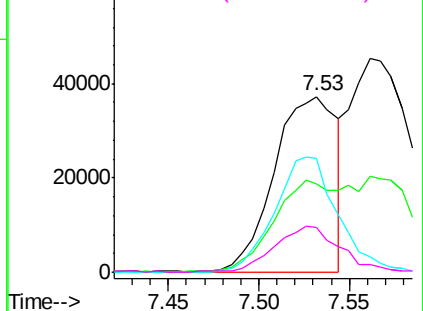
Tot Ion	Ratio	Lower	Upper
41	100		
39	52.3	48.1	72.1
67	67.0	58.9	88.3
52	28.1	24.2	36.2

Manual Integrations
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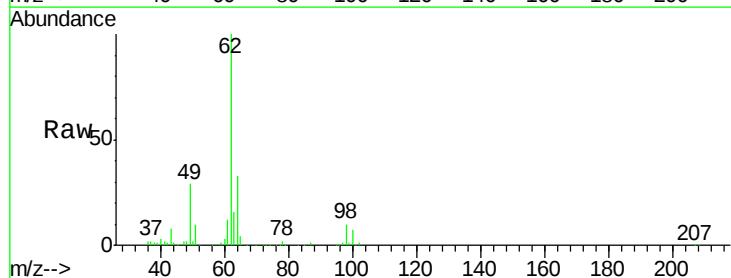


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

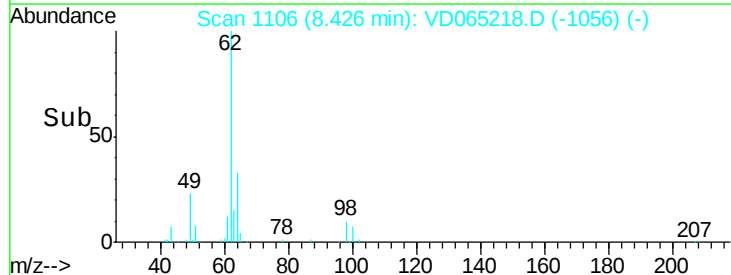
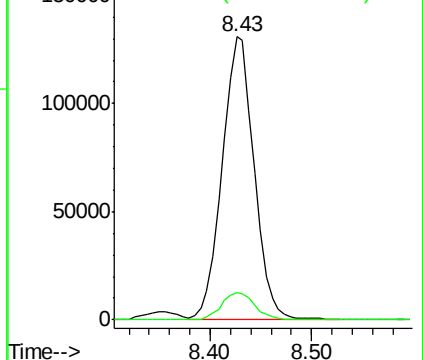


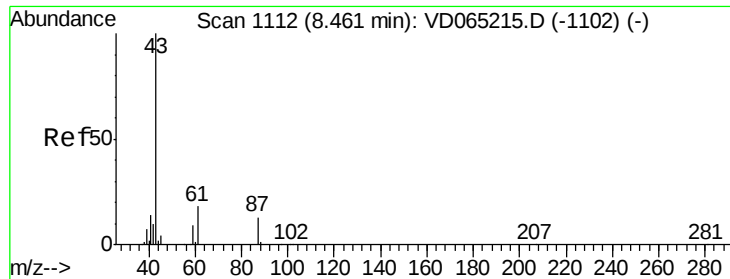
#42
1,2-Dichloroethane
Concen: 48.490 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	20.6



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





#43

Isopropyl Acetate

Concen: 49.248 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

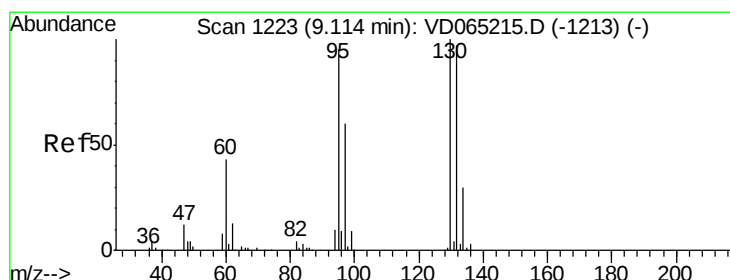
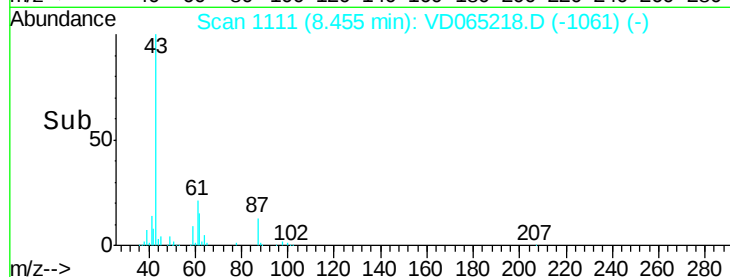
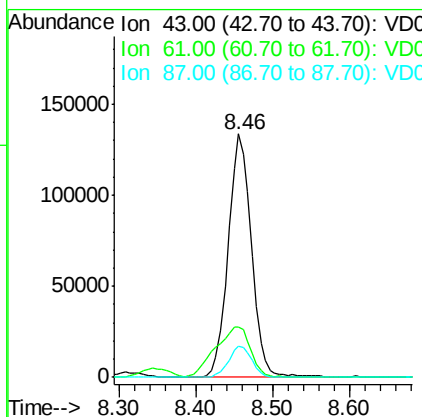
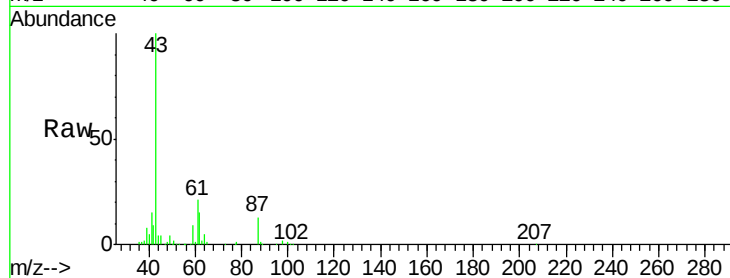
ClientSampleId :

ICVVD021820

Tot Ion:	43	Resp:	282207
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.6	36.8
87	12.8	10.6	16.0

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#44

Trichloroethene

Concen: 51.916 ug/l

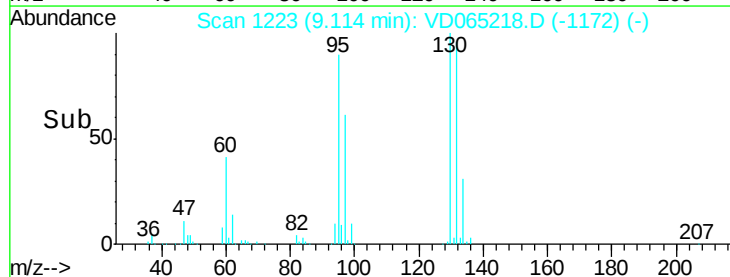
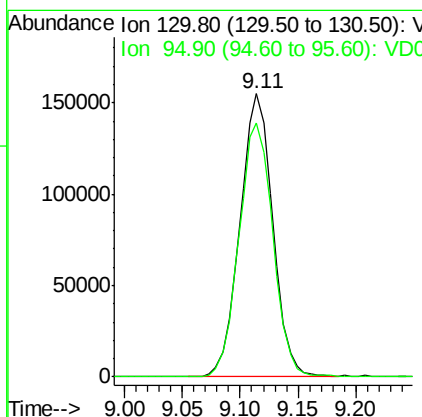
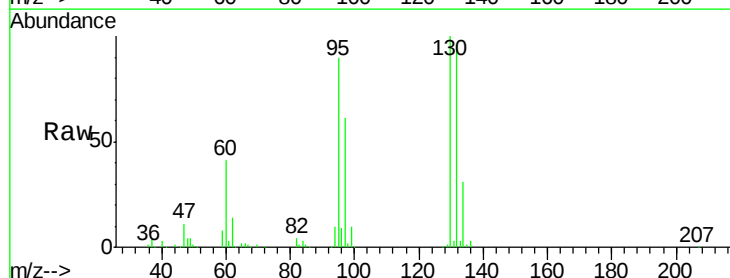
RT: 9.11 min Scan# 1223

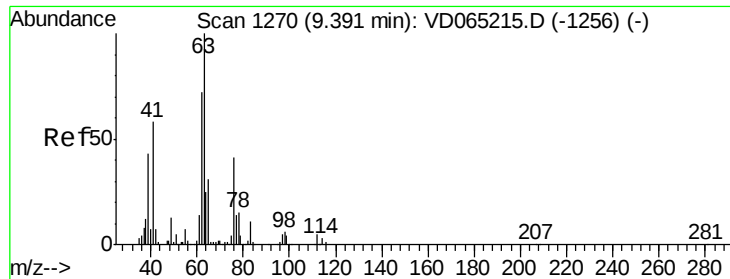
Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion:	130	Resp:	306184
Ion	Ratio	Lower	Upper
130	100		
95	89.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 50.474 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 63 Resp: 267035

Ion Ratio Lower Upper

63 100

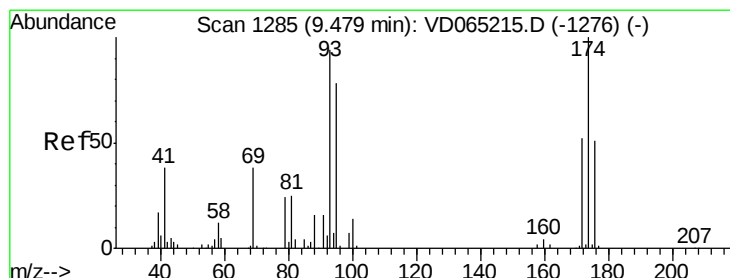
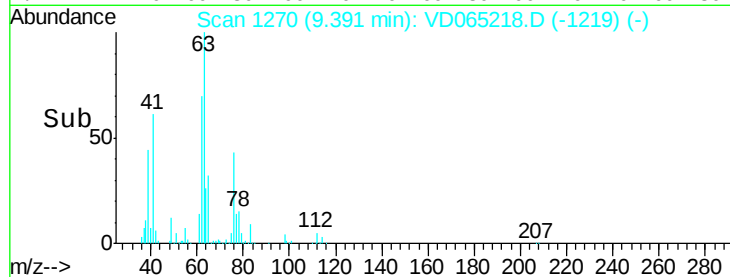
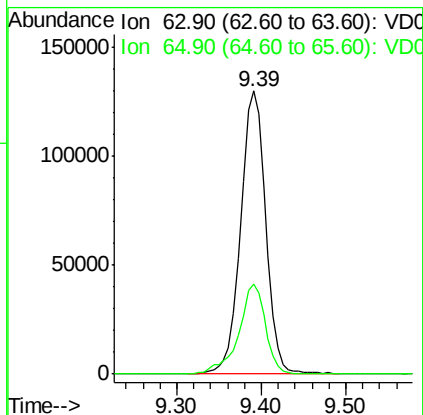
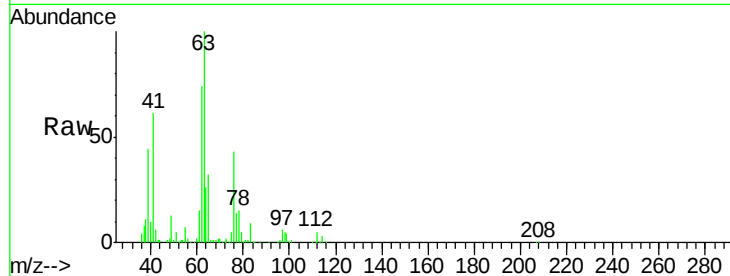
65 32.0 24.9 37.3

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#46

Dibromomethane

Concen: 49.103 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

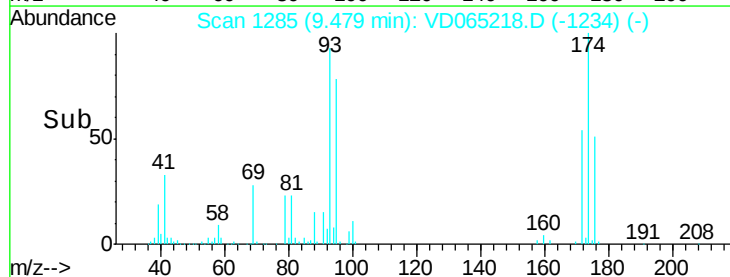
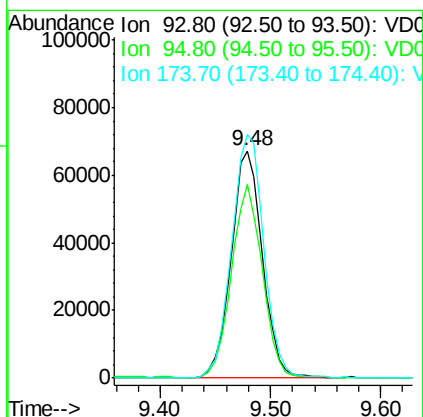
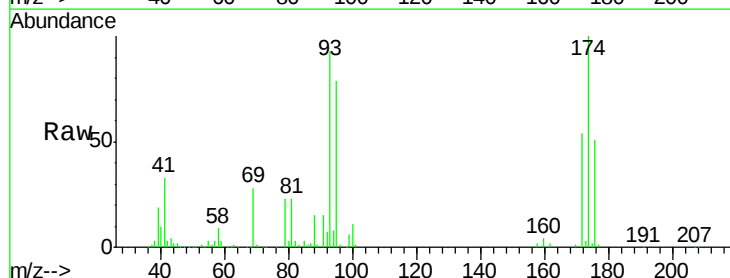
Tgt Ion: 93 Resp: 133663

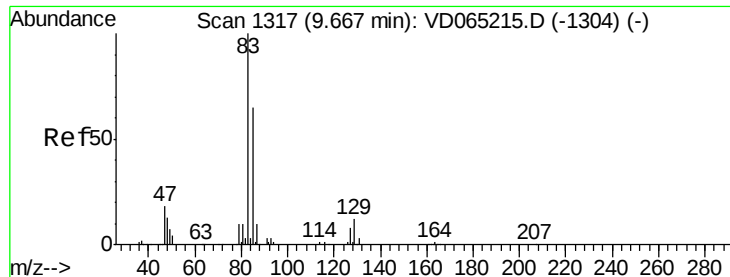
Ion Ratio Lower Upper

93 100

95 84.5 65.8 98.6

174 110.7 86.8 130.2





#47

Bromodichloromethane

Concen: 49.710 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

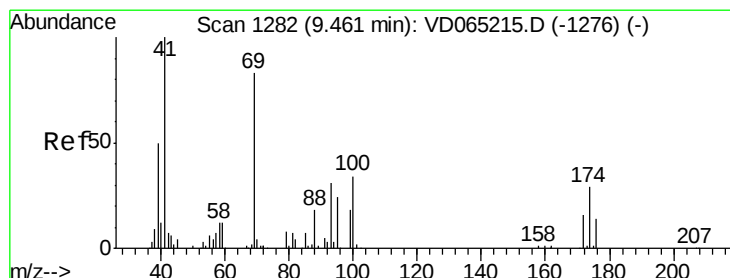
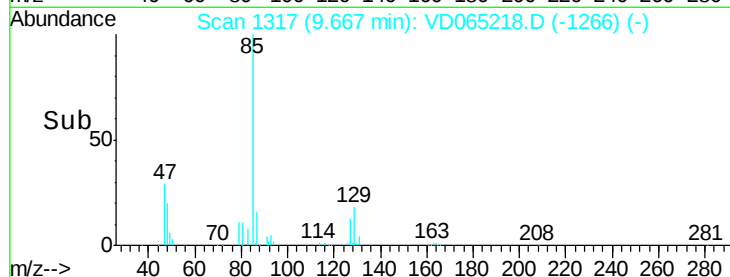
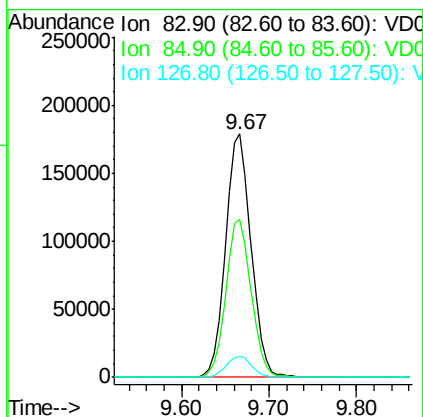
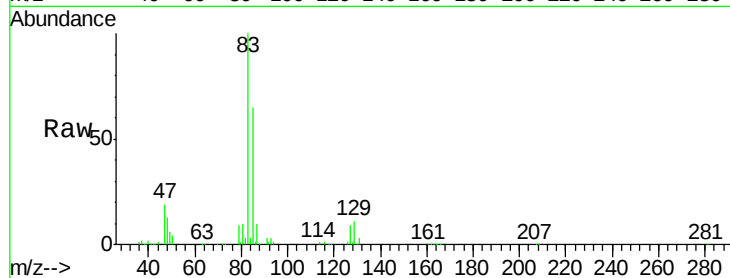
ClientSampleId :

ICVVD021820

Tot Ion:	83	Resp:	356599
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0
127	8.7	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.413 ug/l

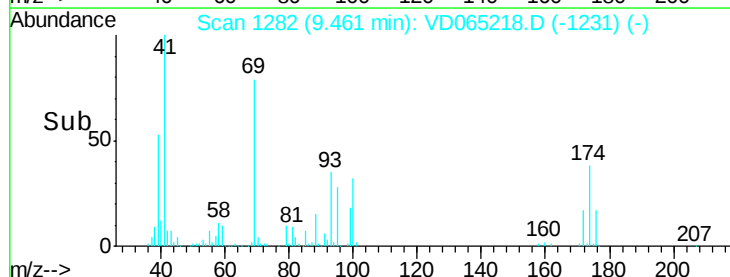
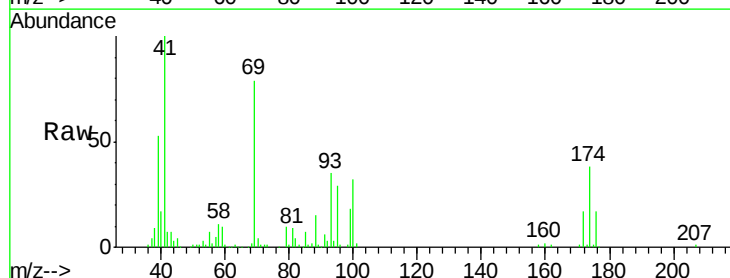
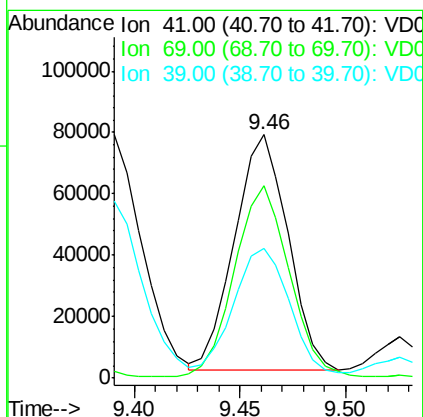
RT: 9.46 min Scan# 1282

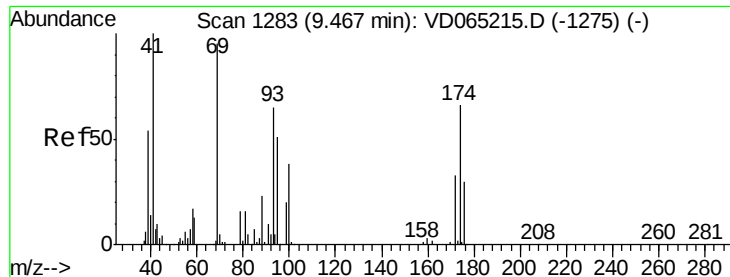
Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion:	41	Resp:	133529
Ion	Ratio	Lower	Upper
41	100		
69	84.7	68.2	102.2
39	55.0	42.0	63.0





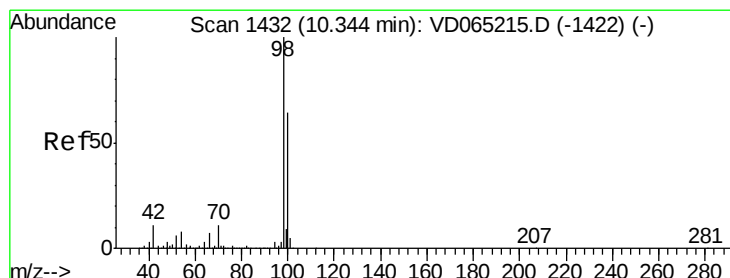
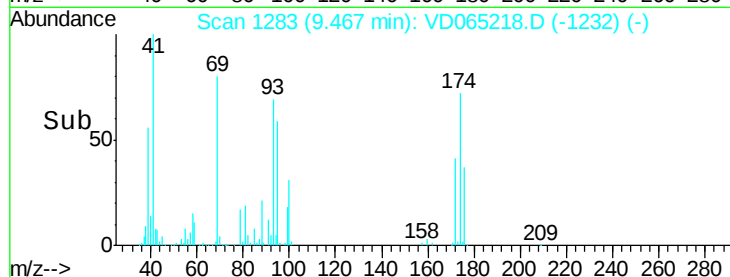
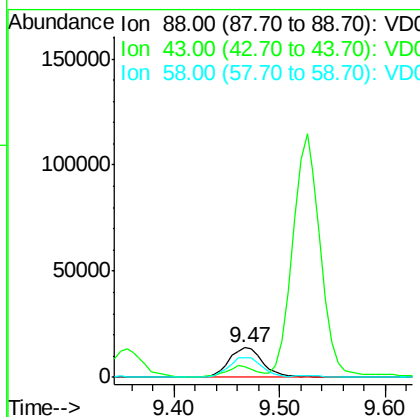
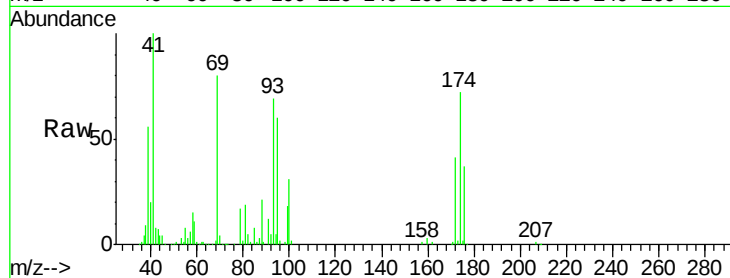
#49
1,4-Dioxane
Concen: 974.537 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	28.5	42.7
58	66.5	58.6	87.8

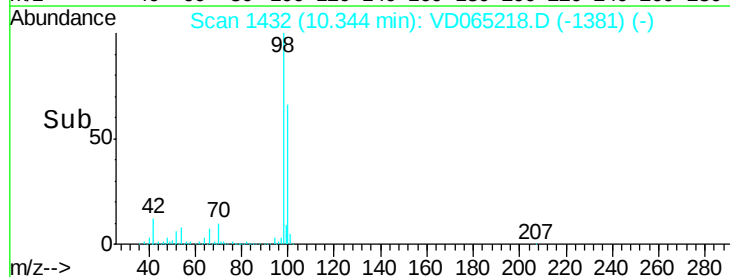
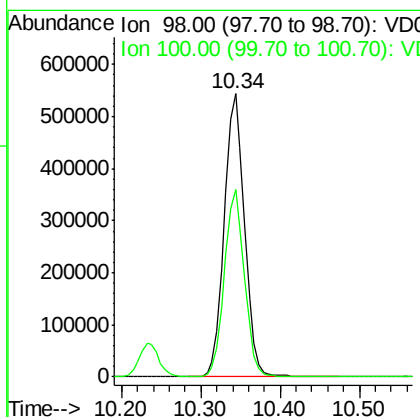
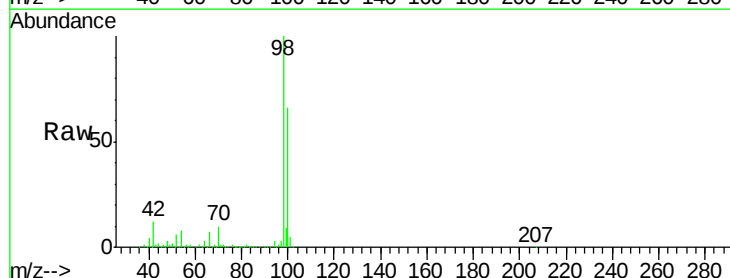
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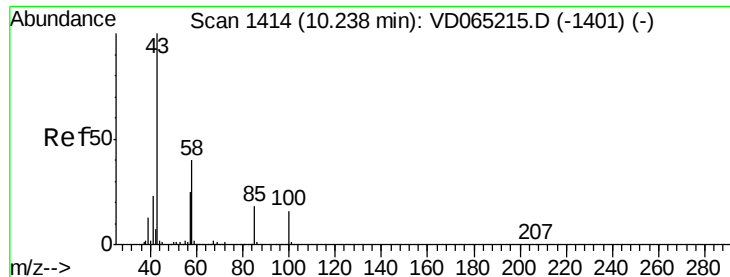
MMDadoda
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#50
Toluene-d8
Concen: 53.321 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 240.190 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 43 Resp: 699071

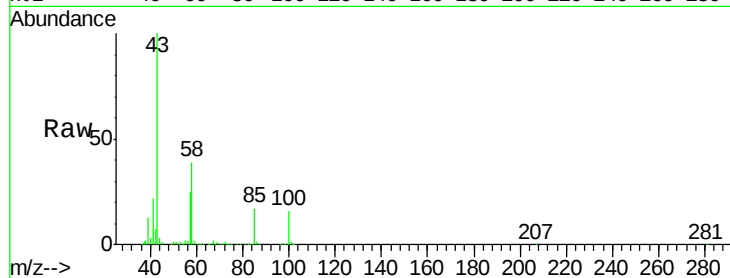
Ion Ratio Lower Upper

43 100

58 38.4 31.1 46.7

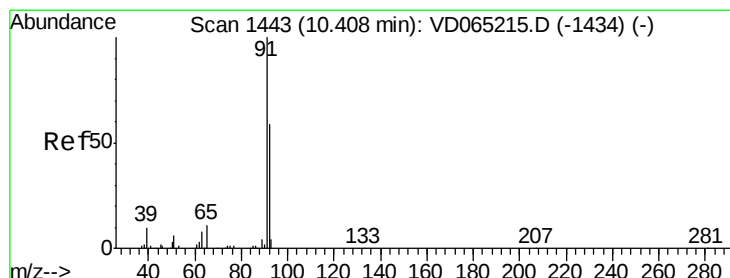
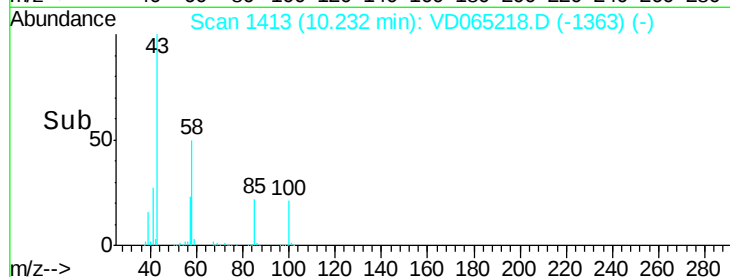
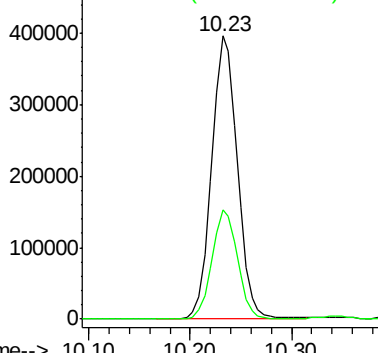
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 53.622 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065218.D

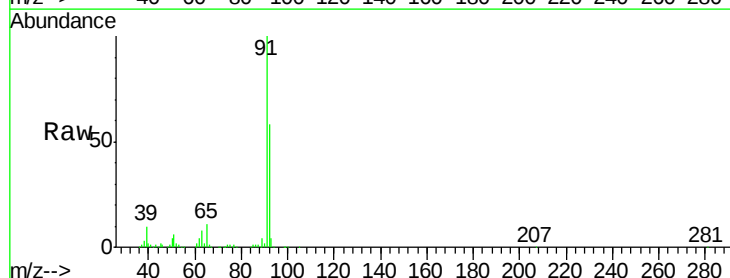
Acq: 18 Feb 2020 13:32

Tgt Ion: 92 Resp: 706176

Ion Ratio Lower Upper

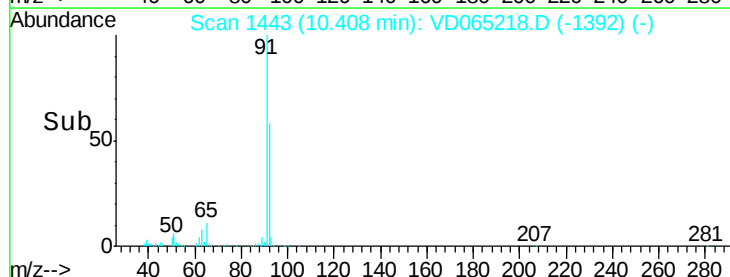
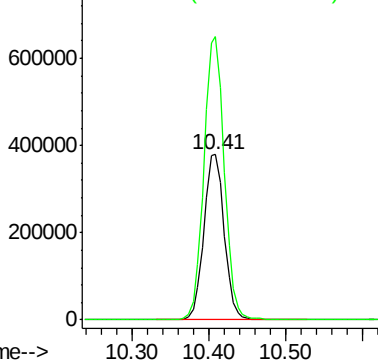
92 100

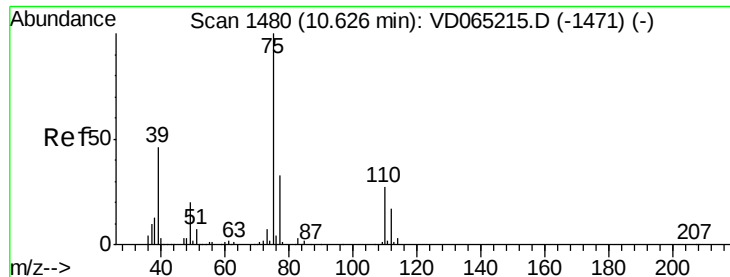
91 170.7 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





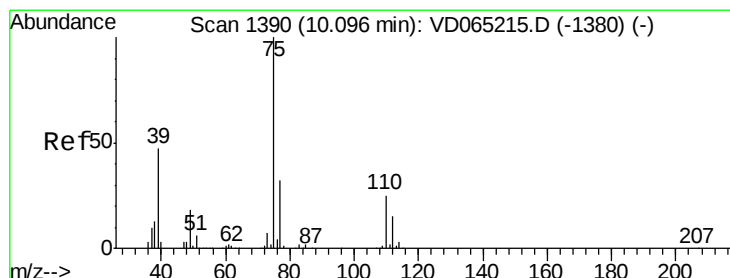
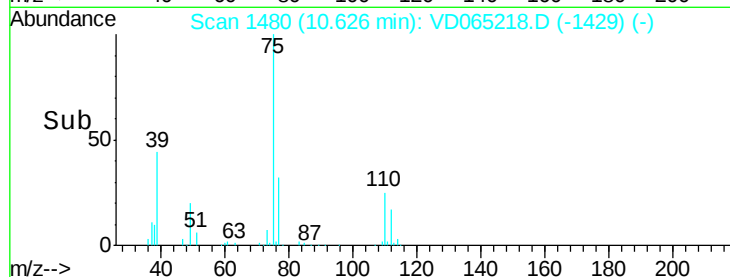
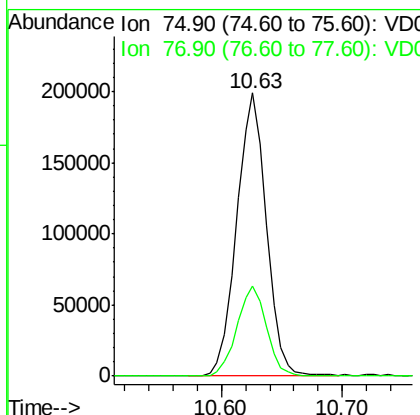
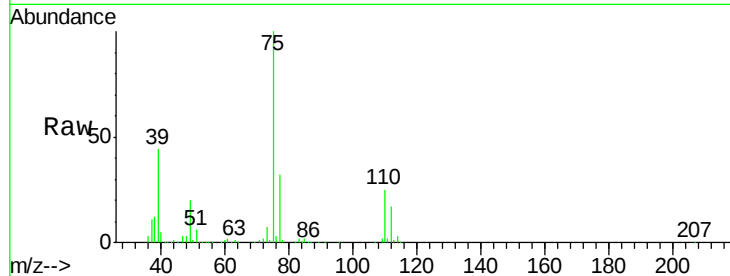
#53
 t-1,3-Dichloropropene
 Concen: 51.198 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion: 75 Resp: 340432
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.6 40.0

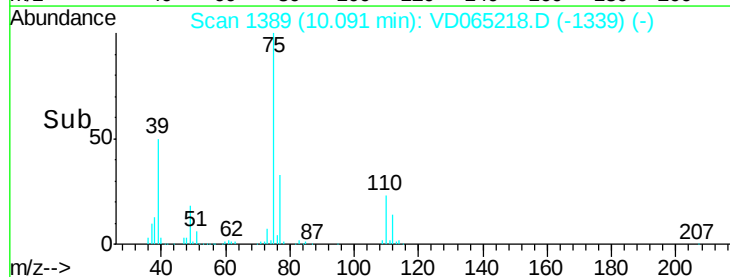
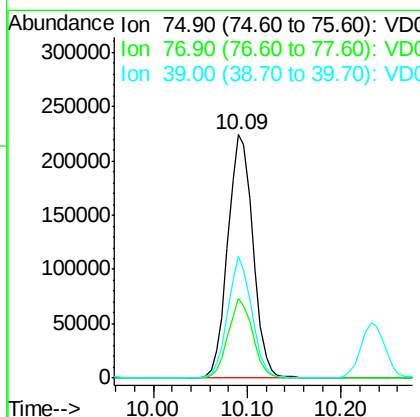
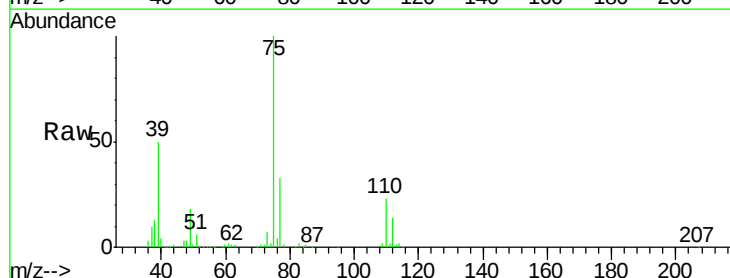
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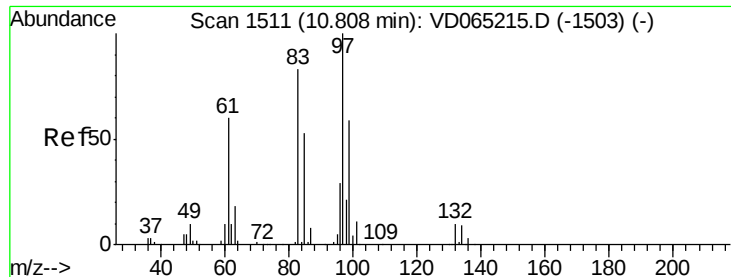
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#54
 cis-1,3-Dichloropropene
 Concen: 52.099 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion: 75 Resp: 418322
 Ion Ratio Lower Upper
 75 100
 77 32.6 25.8 38.8
 39 49.9 37.3 55.9





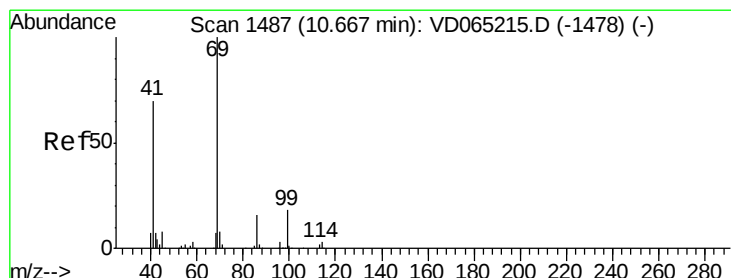
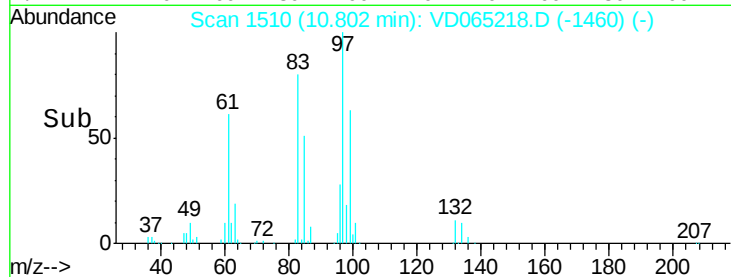
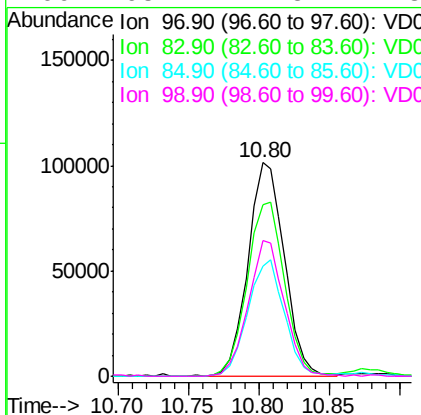
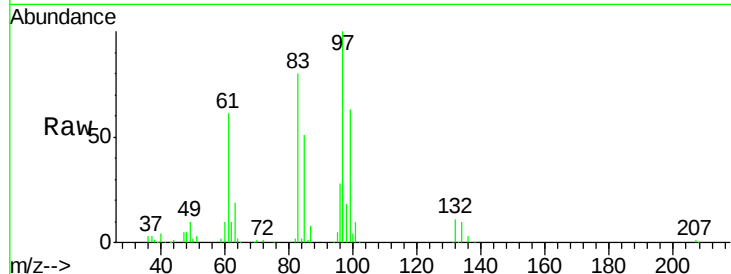
#55
 1,1,2-Trichloroethane
 Concen: 48.105 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion:	97	Resp:	184307
Ion	Ratio	Lower	Upper
97	100		
83	80.4	66.7	100.1
85	51.4	42.4	63.6
99	63.2	47.5	71.3

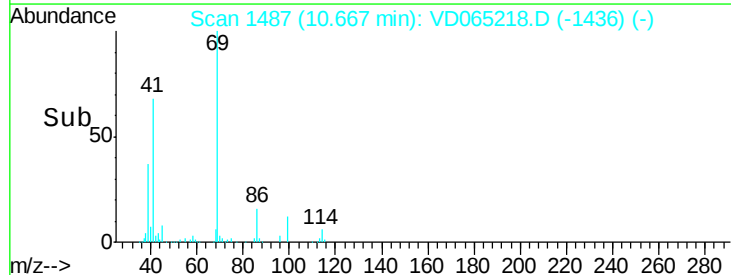
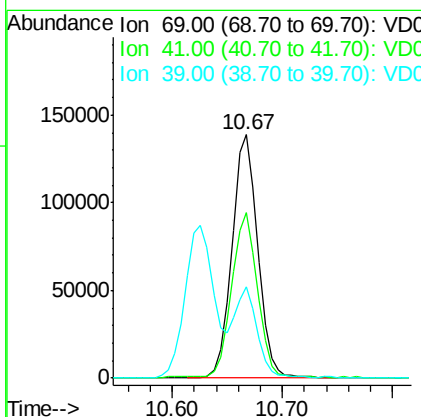
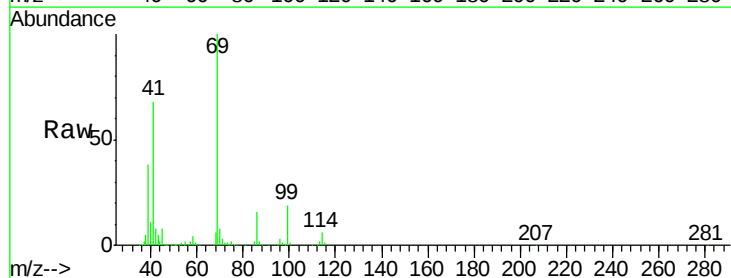
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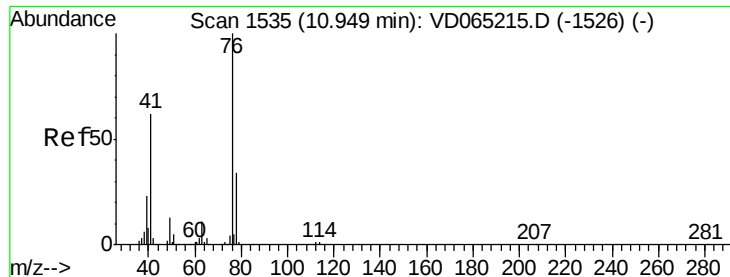
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#56
 Ethyl methacrylate
 Concen: 51.630 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion:	69	Resp:	228317
Ion	Ratio	Lower	Upper
69	100		
41	67.4	54.6	81.8
39	32.2	26.5	39.7





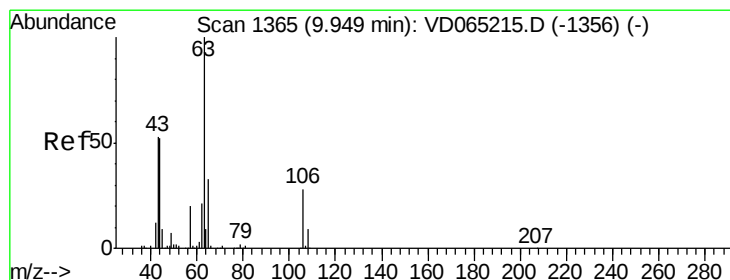
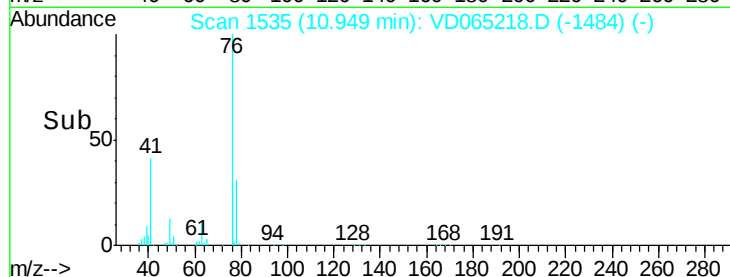
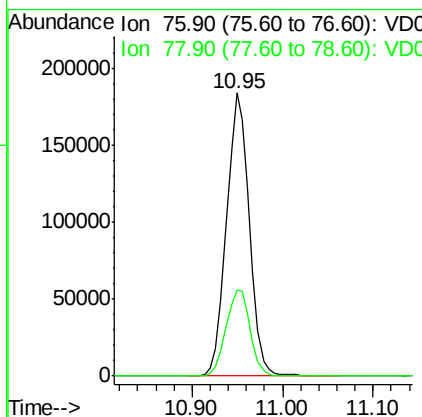
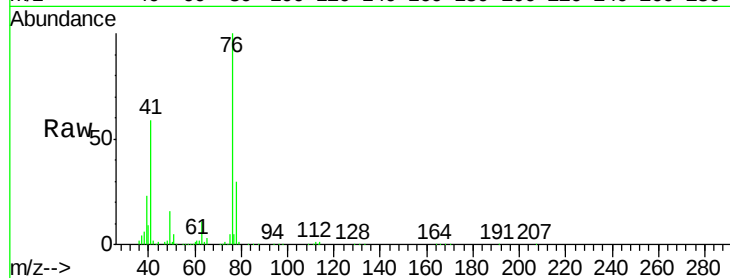
#57
 1,3-Dichloropropane
 Concen: 49.224 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

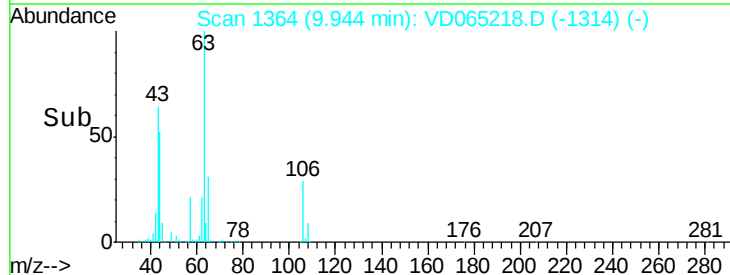
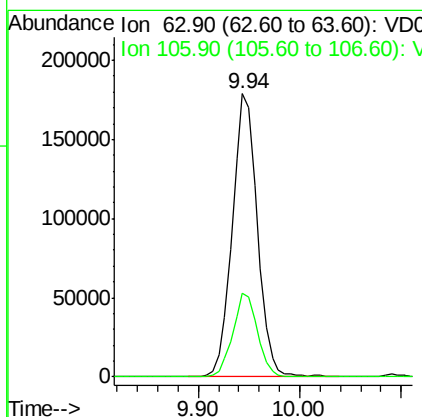
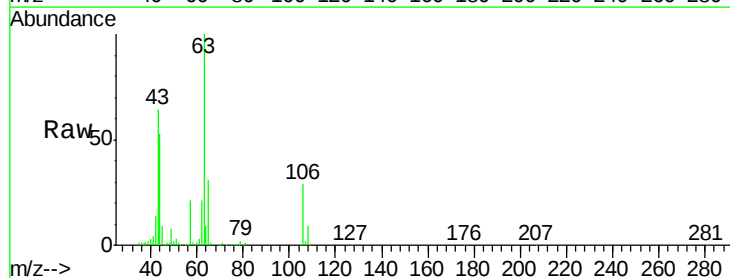
Manual Integrations
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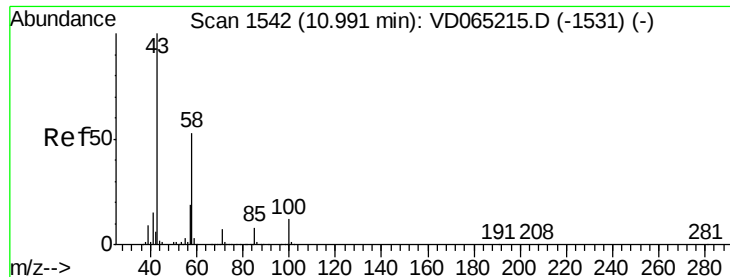
MMDadoda
 2/19/2020 1:44:21 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 220.159 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.3	22.8	34.2





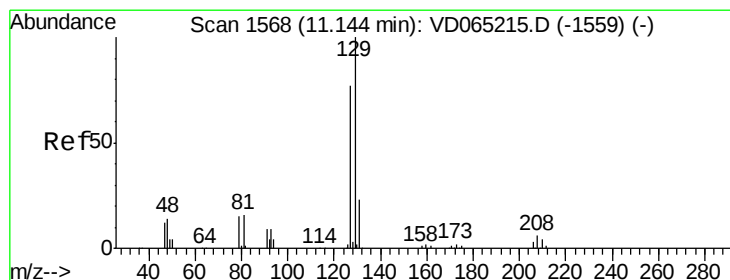
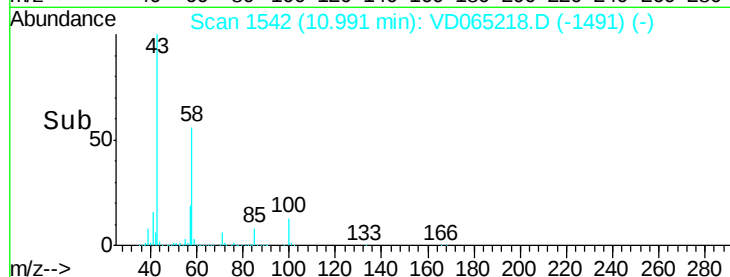
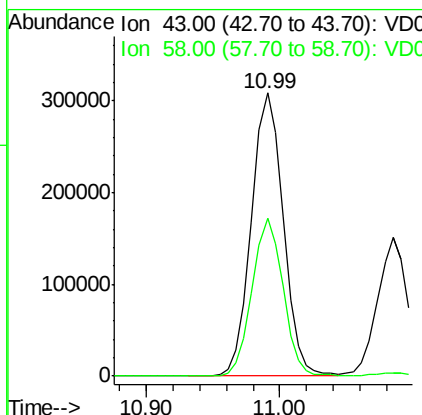
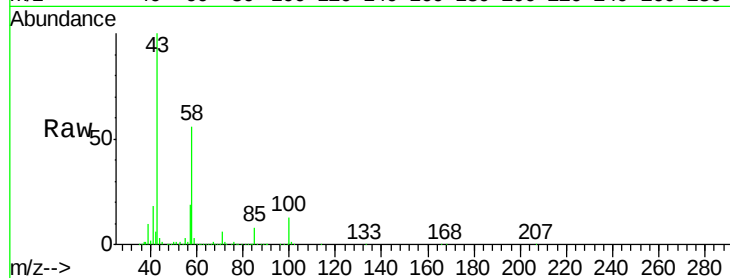
#59
2-Hexanone
Concen: 245.105 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.0	26.3	78.8

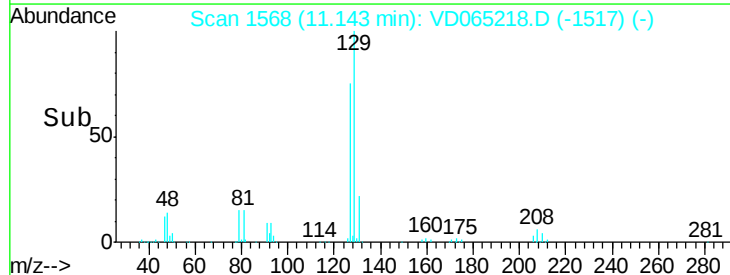
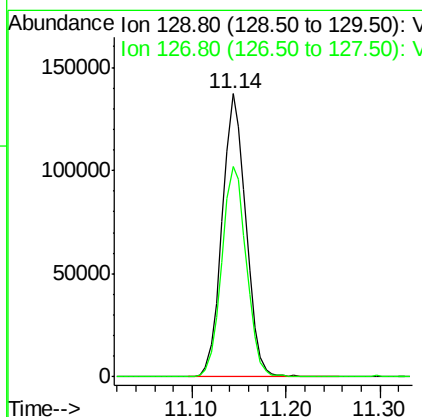
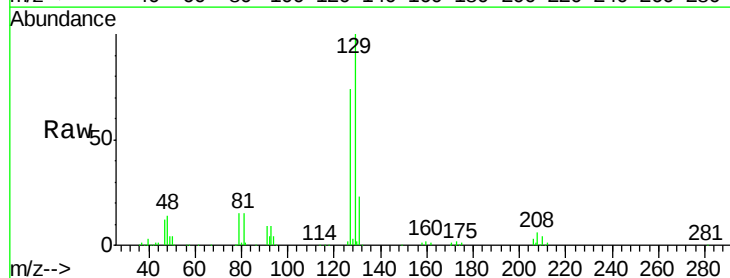
Manual Integrations
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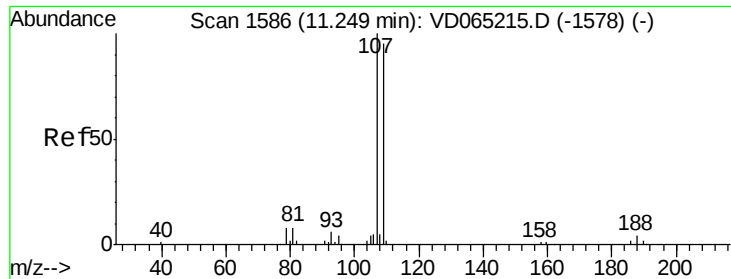
MMDadoda
2/19/2020 1:44:21 PM



#60
Dibromochloromethane
Concen: 49.336 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.7	116.1





#61

1,2-Dibromoethane

Concen: 47.999 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 107 Resp: 174119

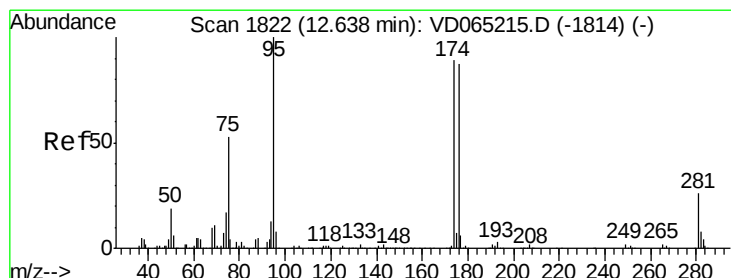
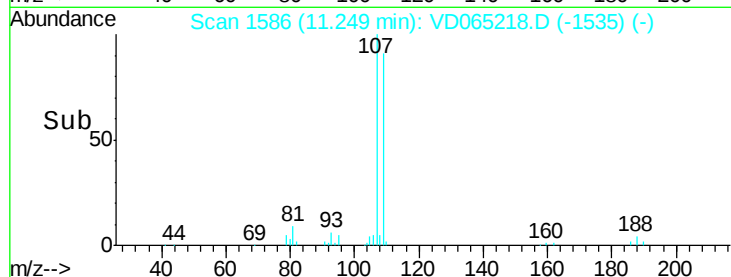
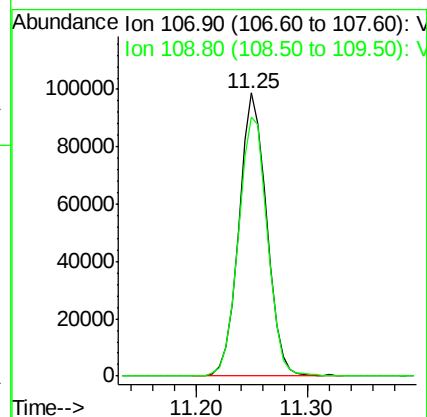
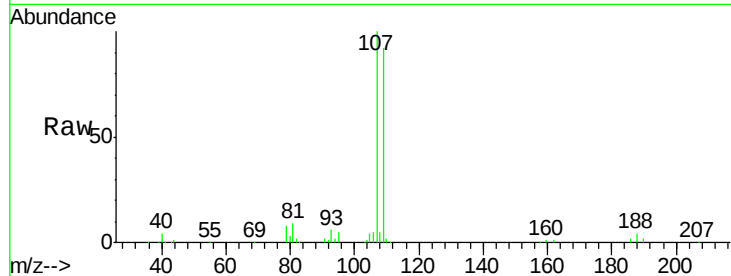
Ion Ratio Lower Upper

107 100

109 95.6 76.2 114.4

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 51.995 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

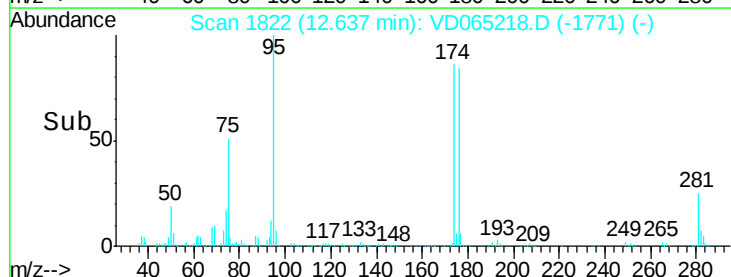
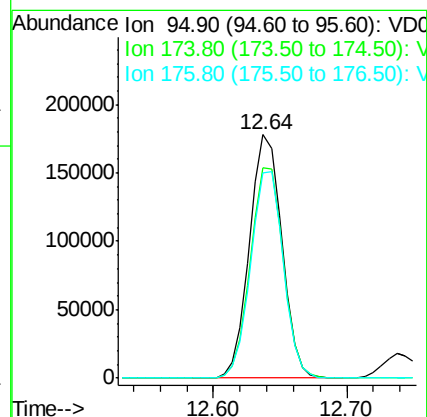
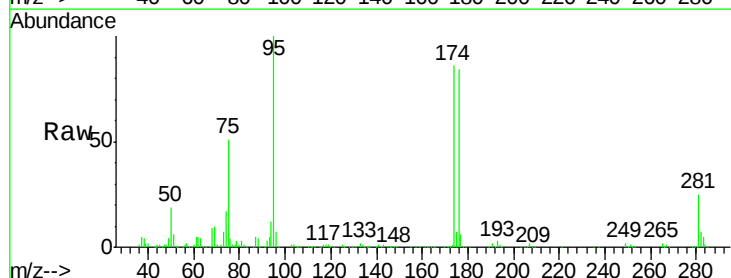
Tgt Ion: 95 Resp: 297447

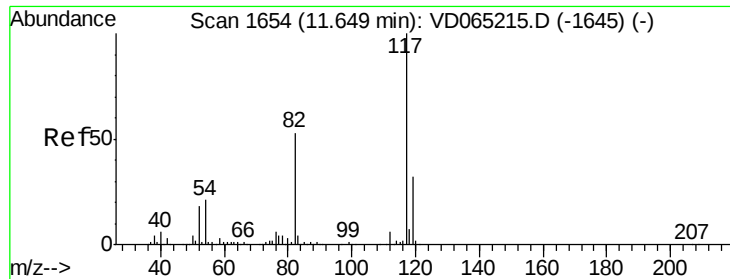
Ion Ratio Lower Upper

95 100

174 88.0 0.0 178.0

176 85.5 0.0 174.4





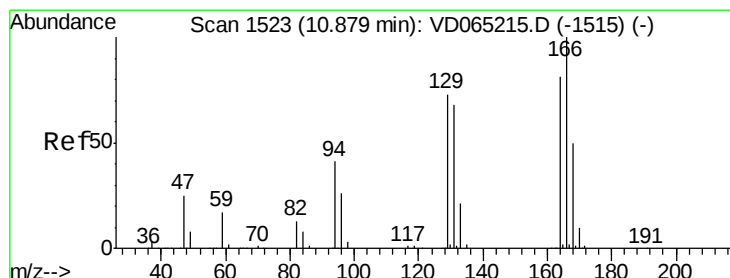
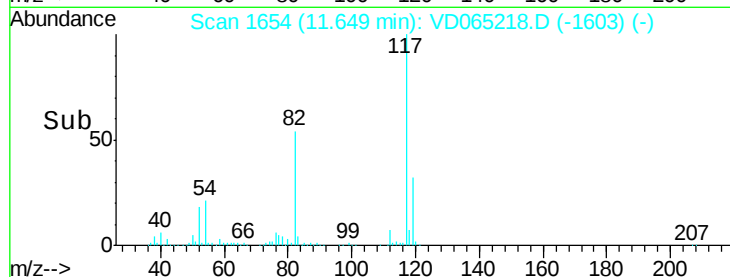
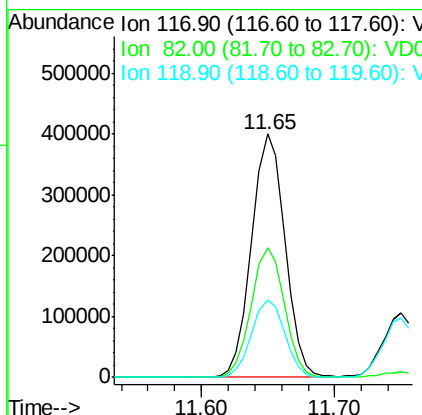
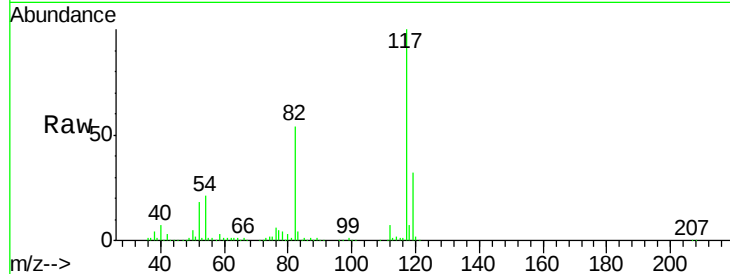
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.5	42.7	64.1
119	31.8	25.5	38.3

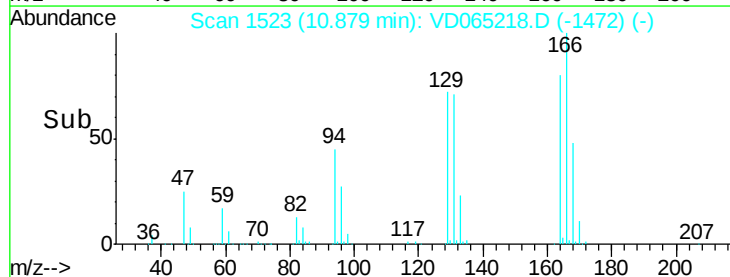
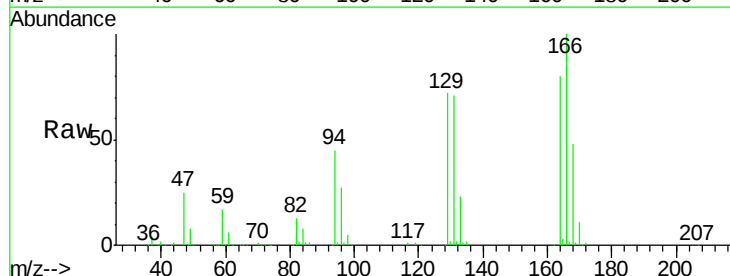
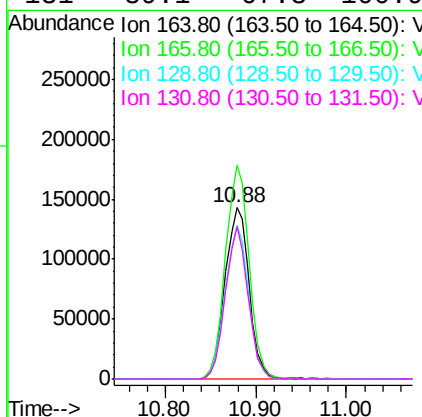
Manual Integrations
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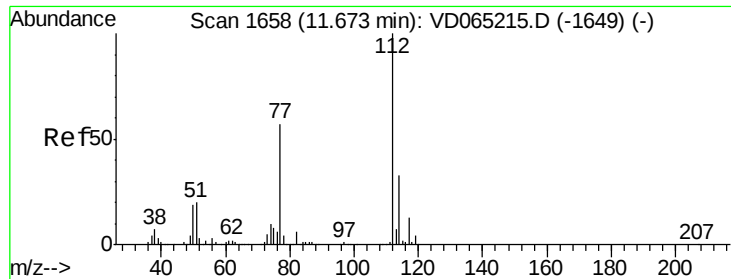
MMDadoda
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#64
Tetrachloroethene
Concen: 53.456 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.6	98.4	147.6
129	89.5	71.6	107.4
131	89.1	67.3	100.9





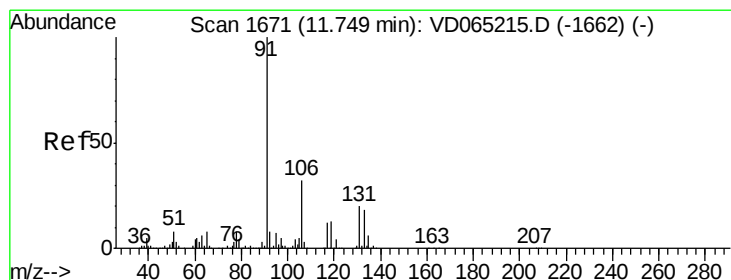
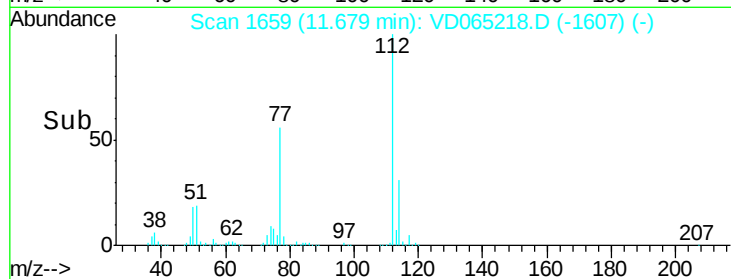
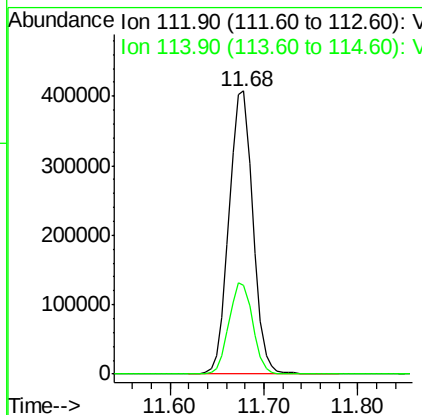
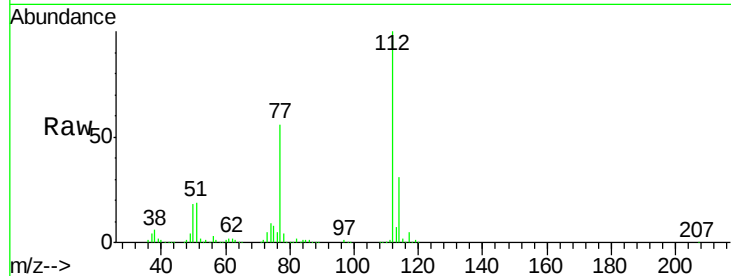
#65
Chlorobenzene
Concen: 51.975 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Resp	Lower	Upper
112	100	719450		
114	31.2	26.4	39.6	

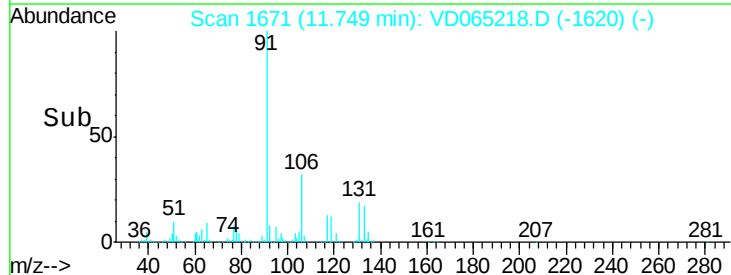
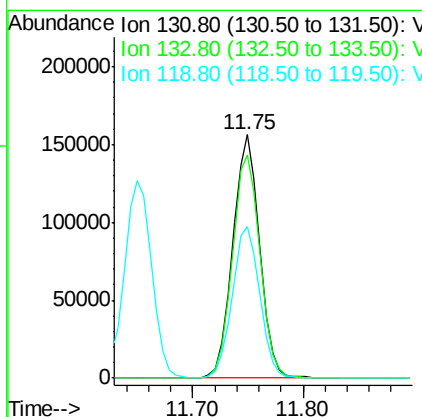
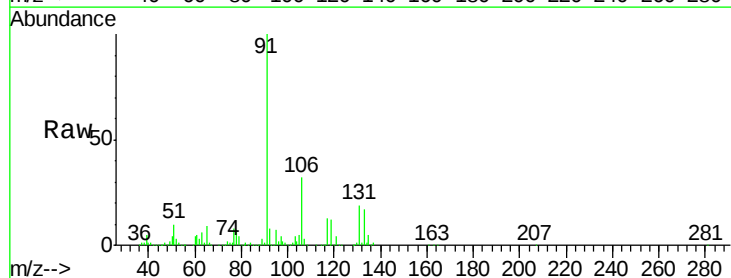
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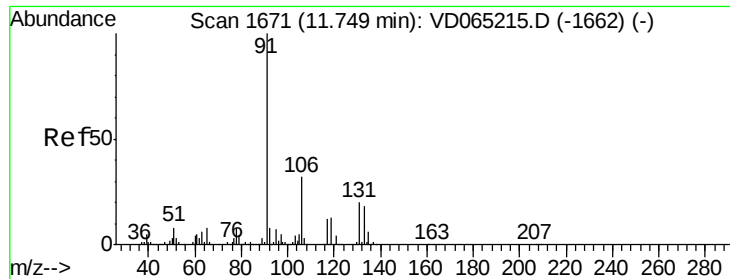
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.575 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	266413		
133	94.3	47.7	143.1	
119	64.2	32.7	98.1	





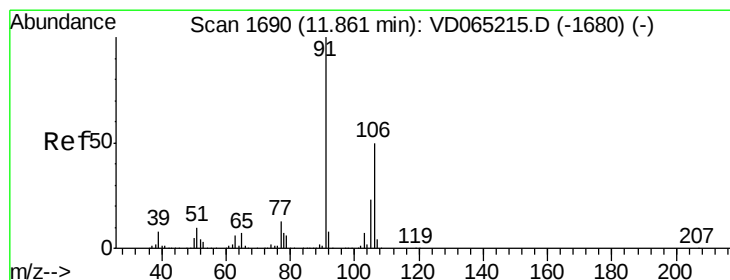
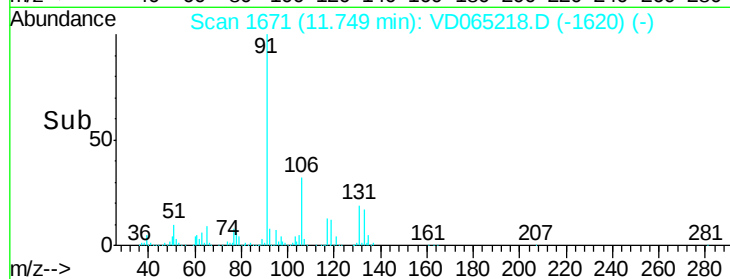
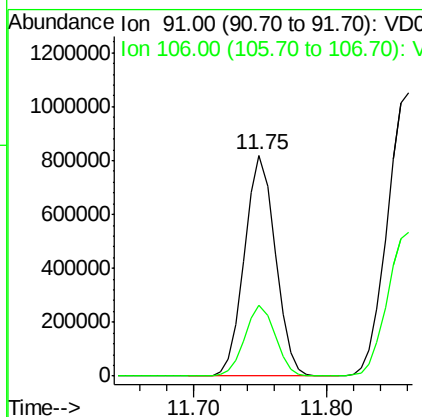
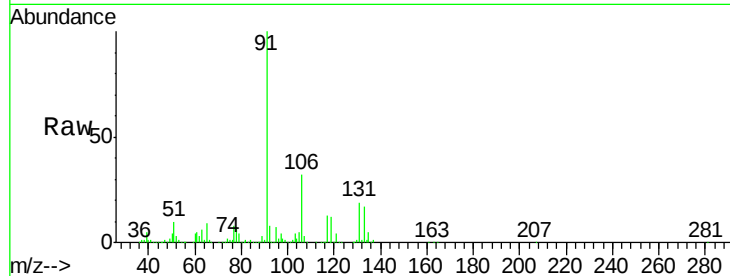
#67
Ethyl Benzene
Concen: 54.300 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion: 91 Resp: 1316393
Ion Ratio Lower Upper
91 100
106 32.2 25.2 37.8

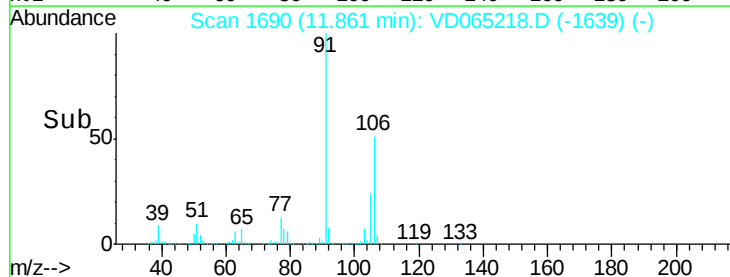
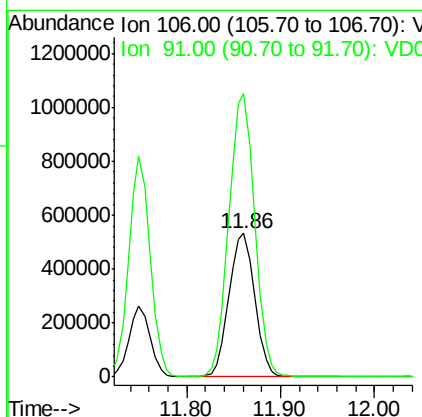
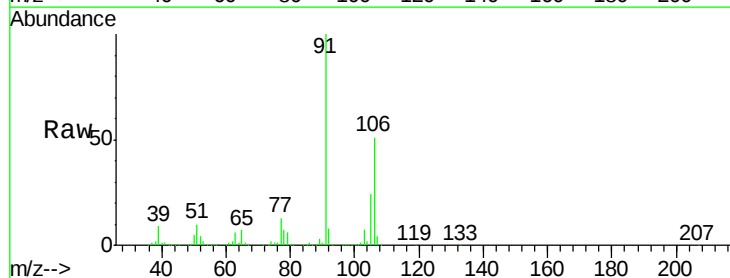
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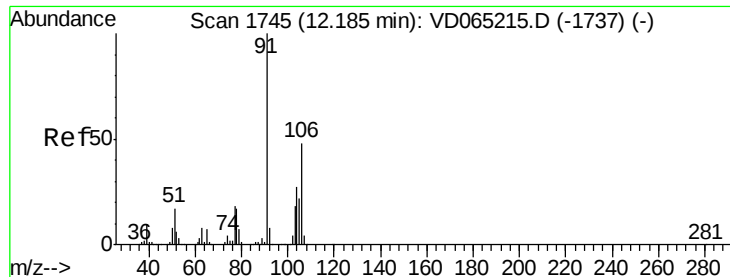
MMDadoda
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#68
m/p-Xylenes
Concen: 109.772 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion: 106 Resp: 1018159
Ion Ratio Lower Upper
106 100
91 197.2 158.2 237.4





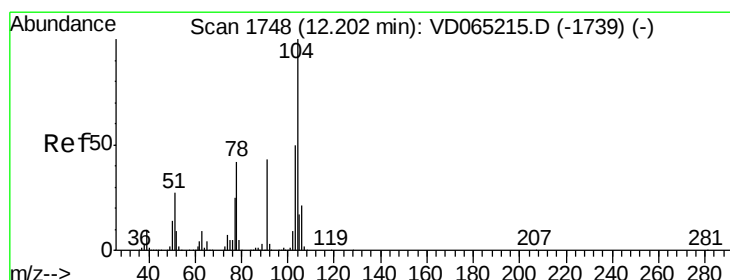
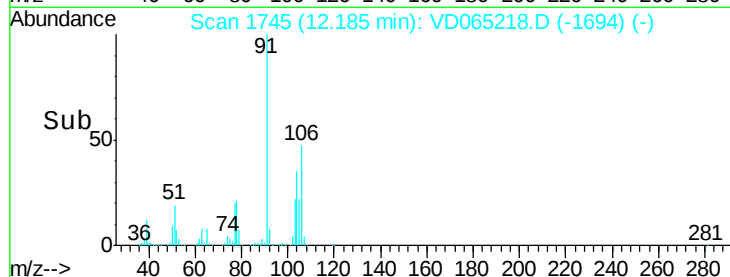
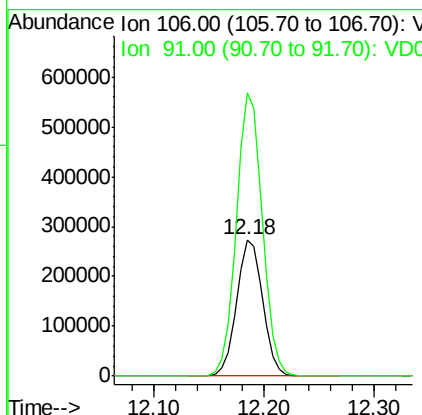
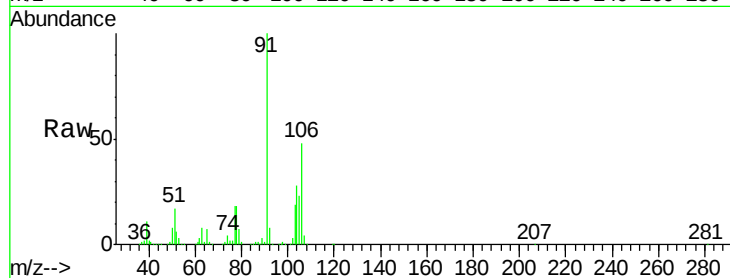
#69
o-Xylene
Concen: 55.222 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	207.1	104.7	313.9	

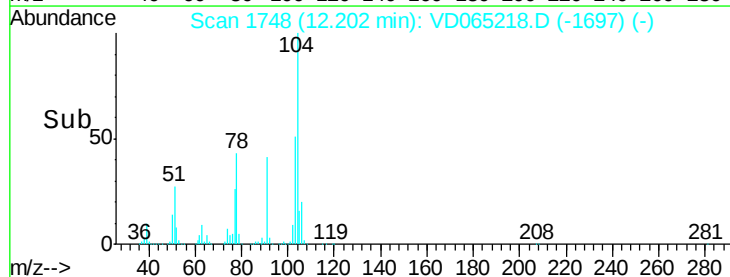
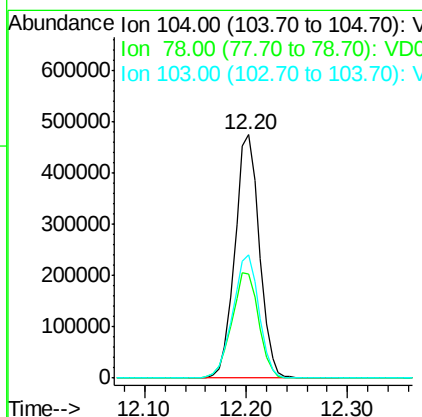
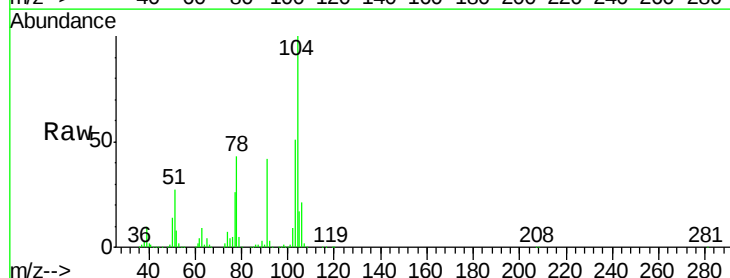
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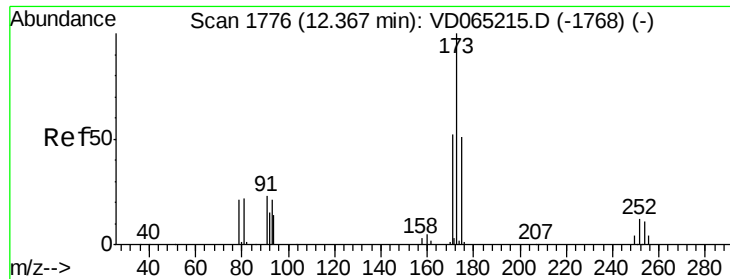
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#70
Styrene
Concen: 54.720 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.5	37.8	56.6	
103	54.2	43.4	65.2	





#71

Bromoform

Concen: 48.333 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

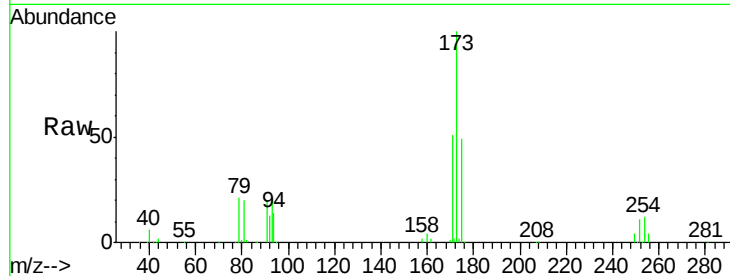
ClientSampleId :

ICVVD021820

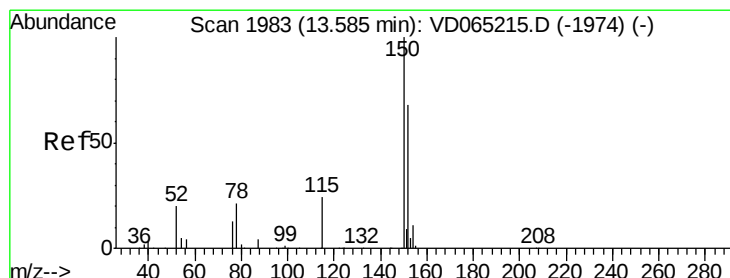
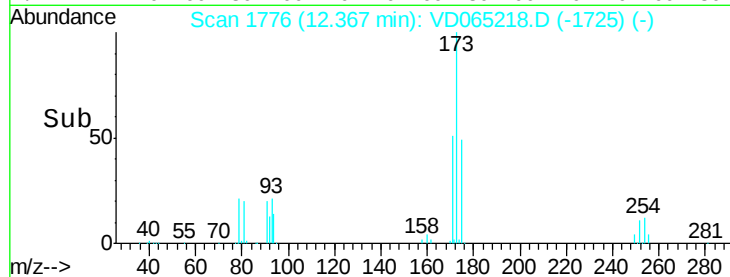
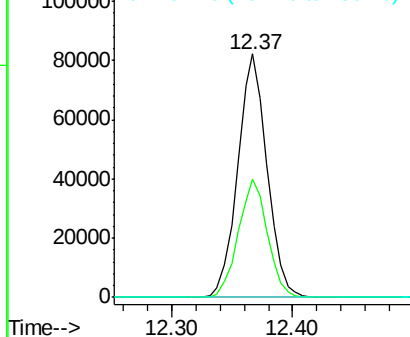
Tot Ion:	173	Resp:	138540
Ion Ratio	Lower	Upper	
173	100		
175	48.3	24.4	73.4
254	0.1	0.0	0.0#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

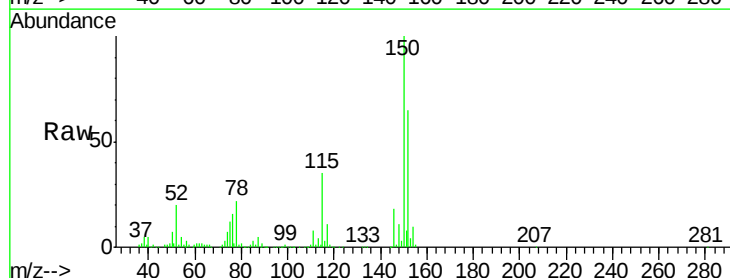
RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

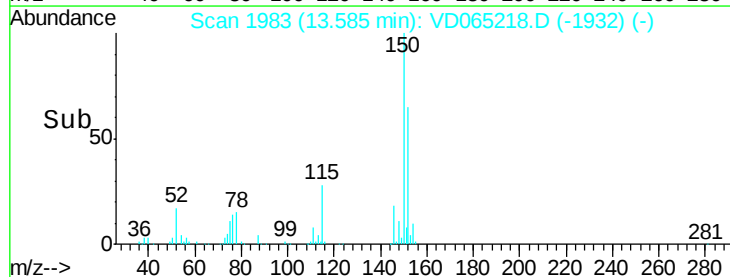
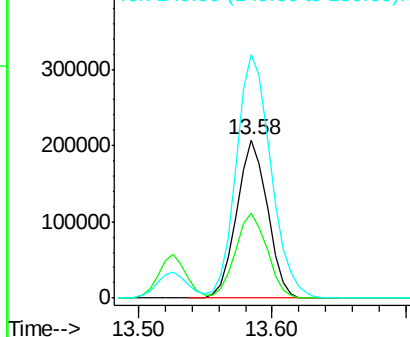
Lab File: VD065218.D

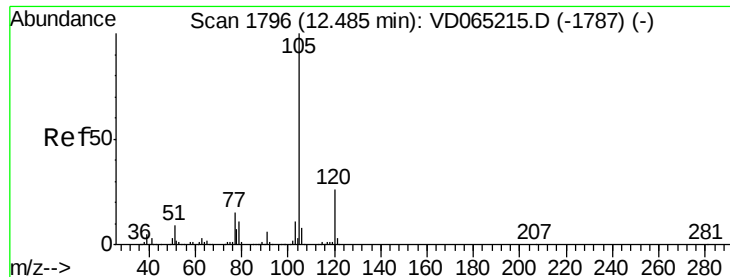
Acq: 18 Feb 2020 13:32

Tgt Ion:	152	Resp:	330905
Ion Ratio	Lower	Upper	
152	100		
115	55.1	27.6	82.8
150	173.4	0.0	347.4



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





#73

Isopropylbenzene

Concen: 56.534 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion: 105 Resp: 1238515

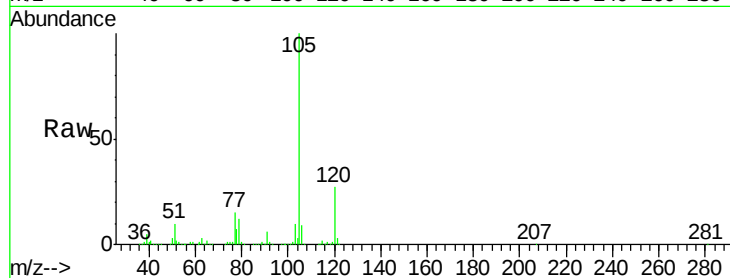
Ion Ratio Lower Upper

105 100

120 26.9 13.3 39.9

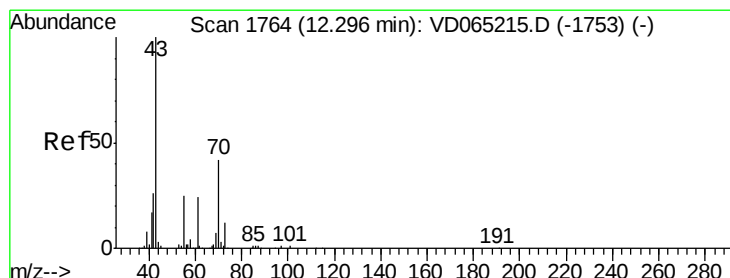
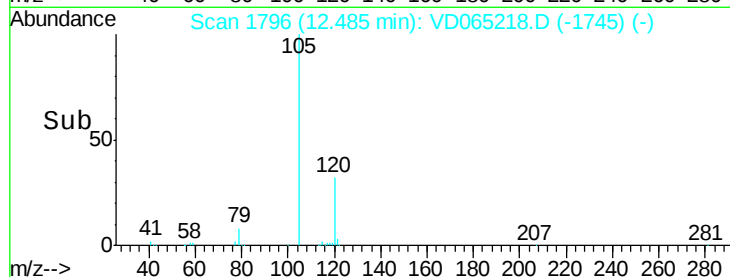
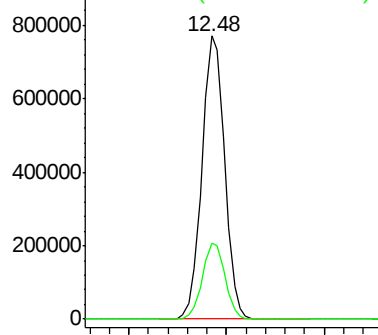
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 51.891 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion: 43 Resp: 252602

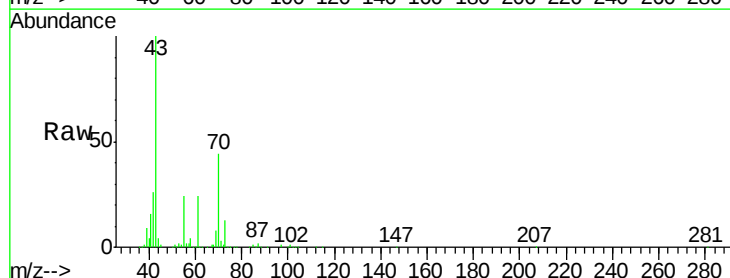
Ion Ratio Lower Upper

43 100

70 43.4 33.7 50.5

55 25.3 20.7 31.1

61 23.6 19.0 28.4

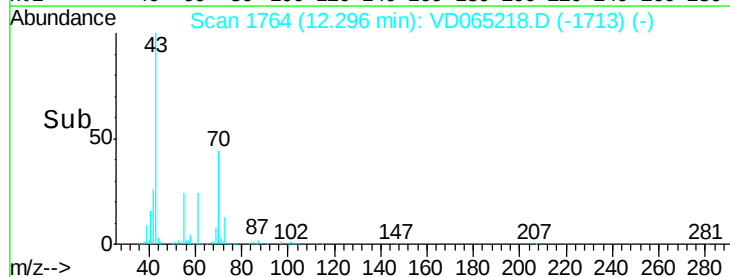
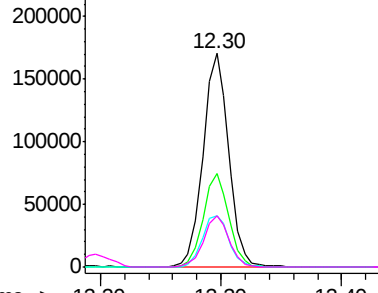


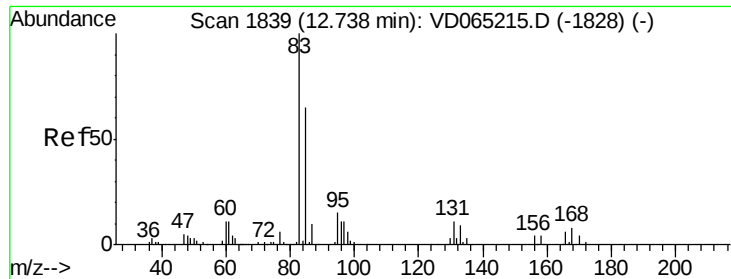
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 47.889 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

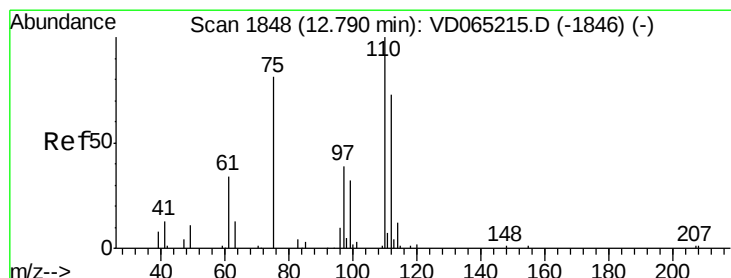
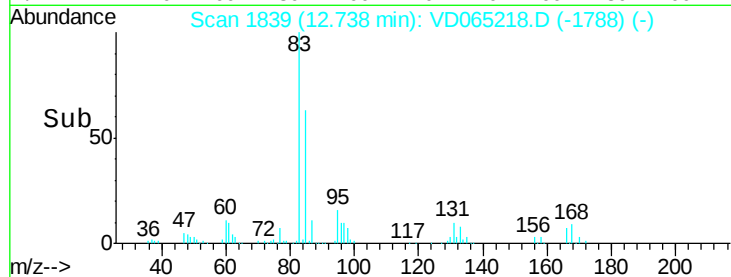
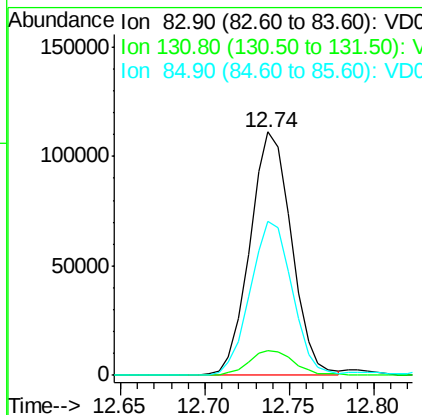
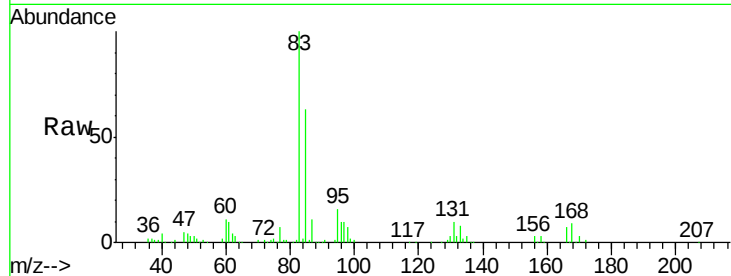
ClientSampleId :

ICVVD021820

Tot Ion:	83	Resp:	189346
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	64.1	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 45.530 ug/l m

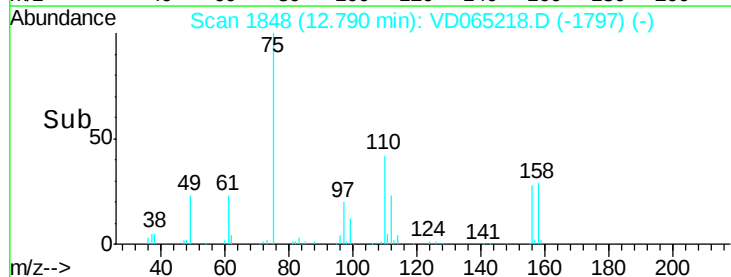
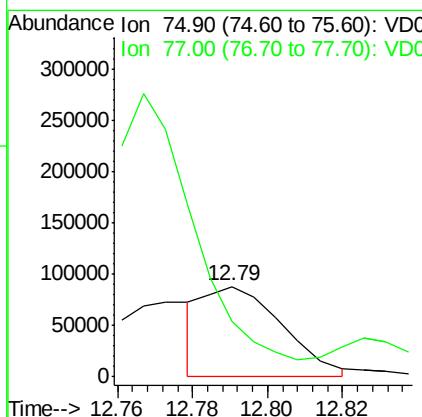
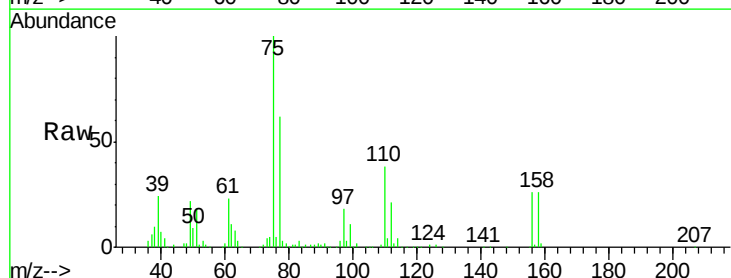
RT: 12.79 min Scan# 1848

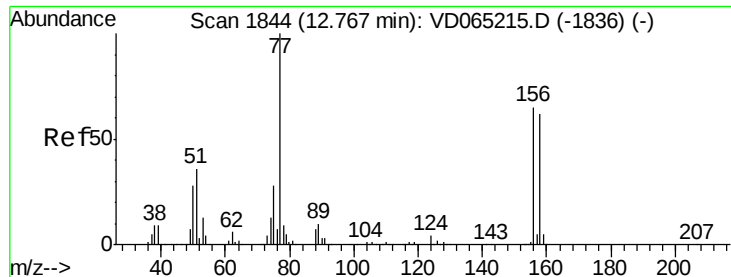
Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion:	75	Resp:	128186
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.133 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

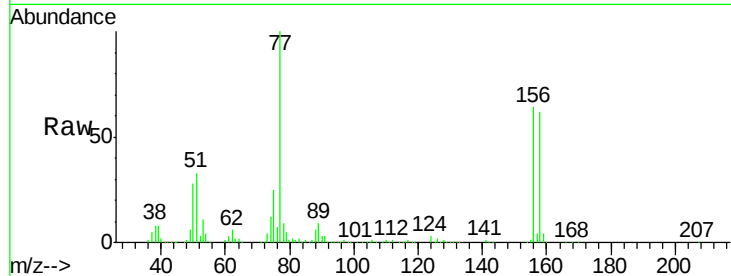
ClientSampleId :

ICVVD021820

Tot Ion	Ratio	Lower	Upper
156	100		
77	170.2	86.6	259.7
158	97.4	48.1	144.3

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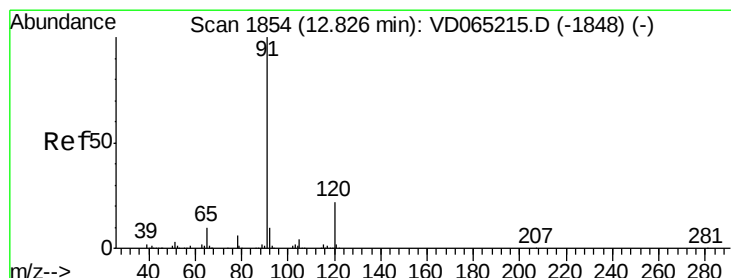
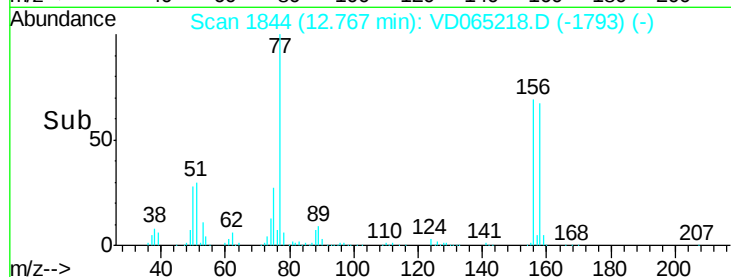
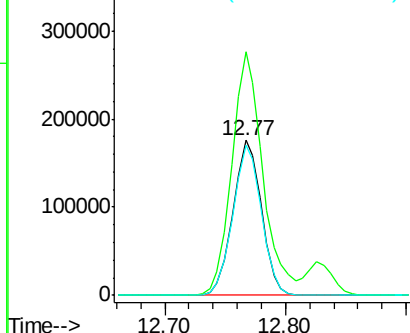
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 56.406 ug/l

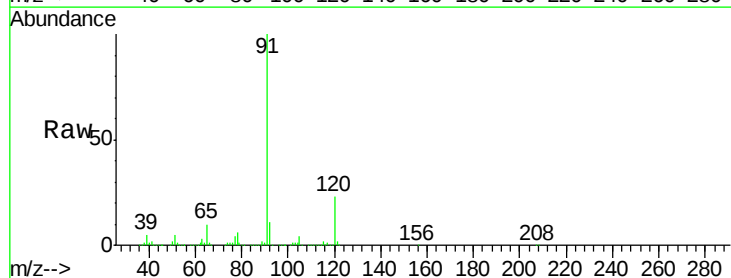
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065218.D

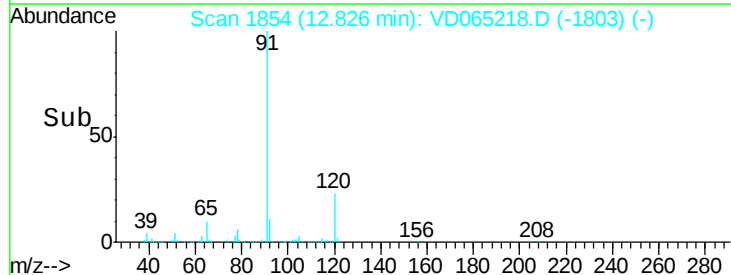
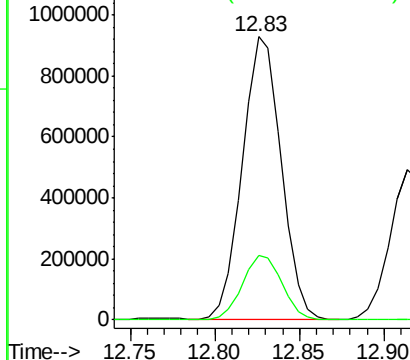
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





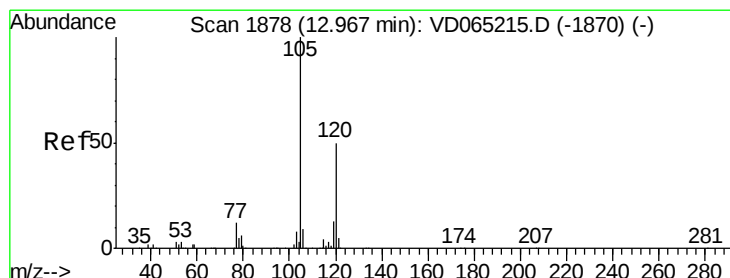
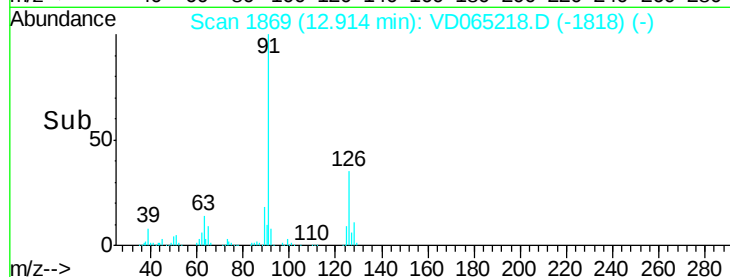
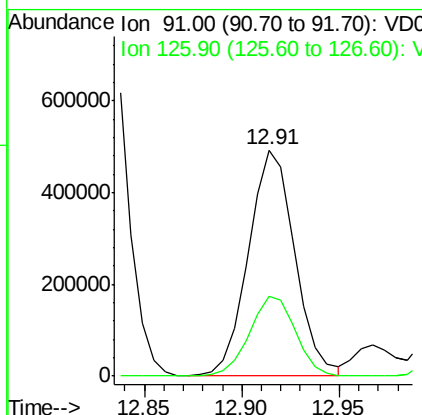
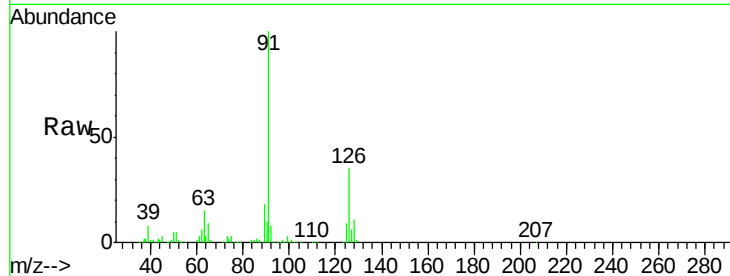
#79
 2-Chlorotoluene
 Concen: 54.715 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.5	52.6

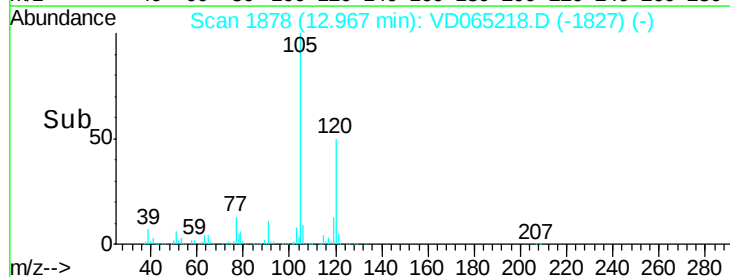
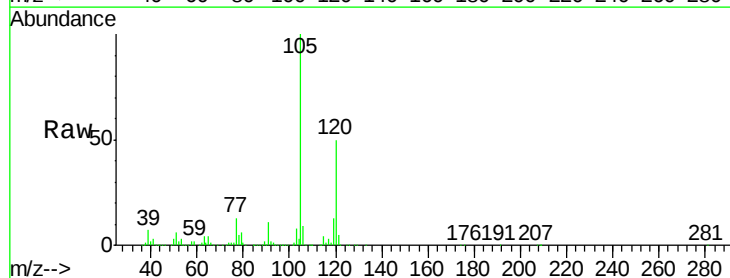
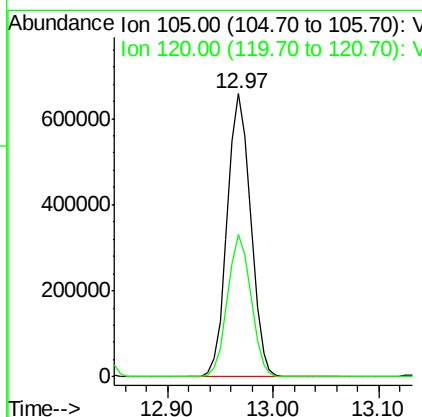
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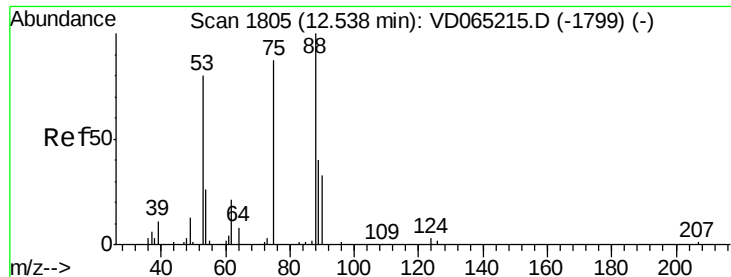
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#80
 1,3,5-Trimethylbenzene
 Concen: 56.064 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.1	25.4	76.4





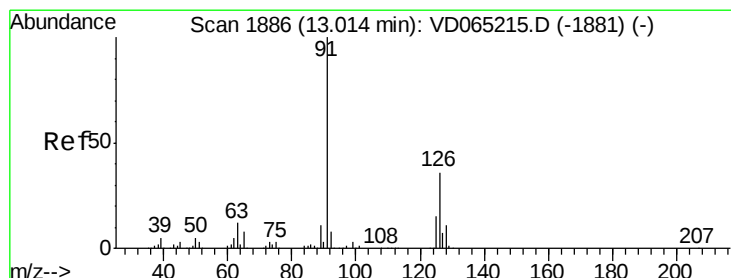
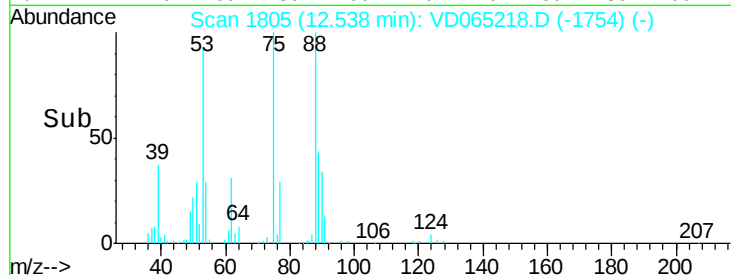
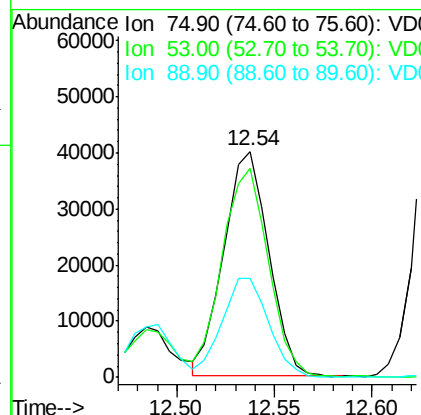
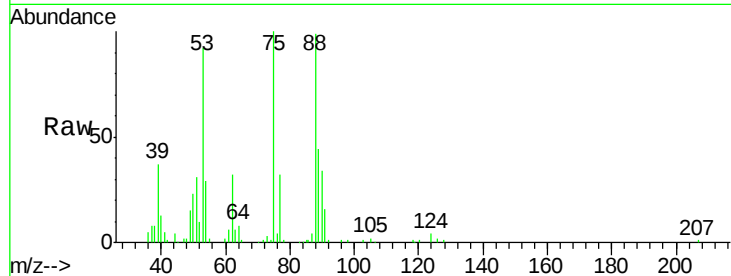
#81
trans-1,4-Dichloro-2-butene
Concen: 49.086 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.8	77.6	116.4
89	46.0	37.2	55.8

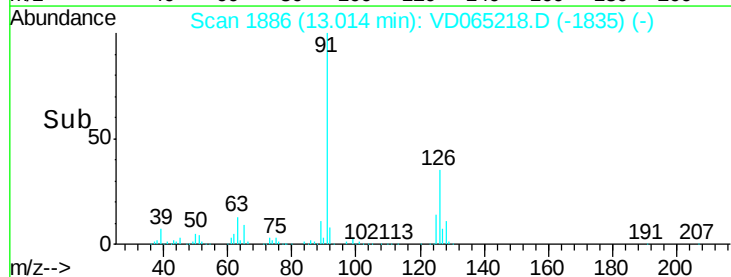
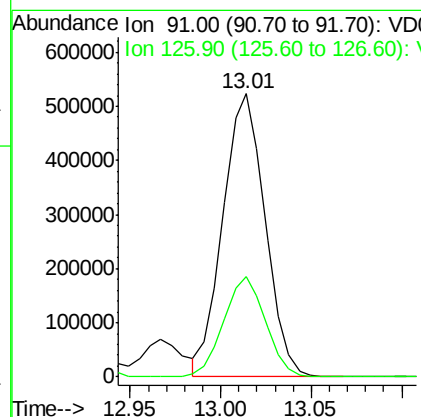
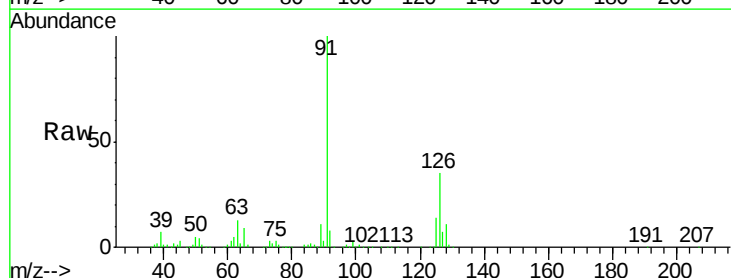
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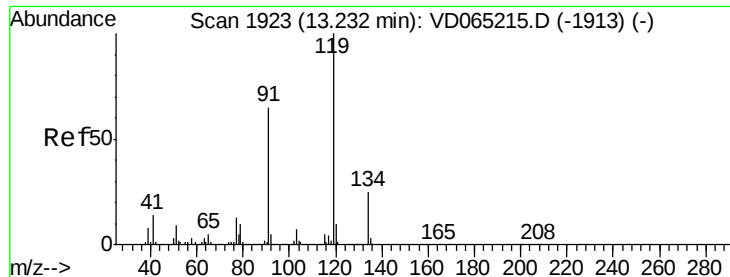
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#82
4-Chlorotoluene
Concen: 53.853 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3





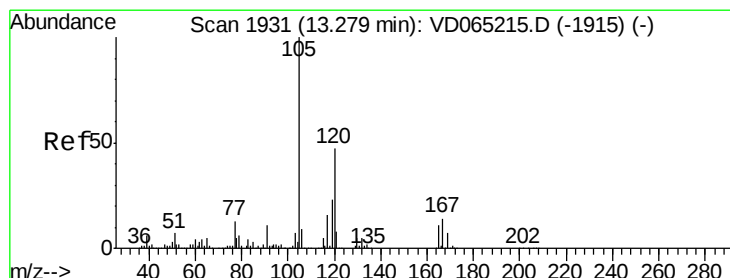
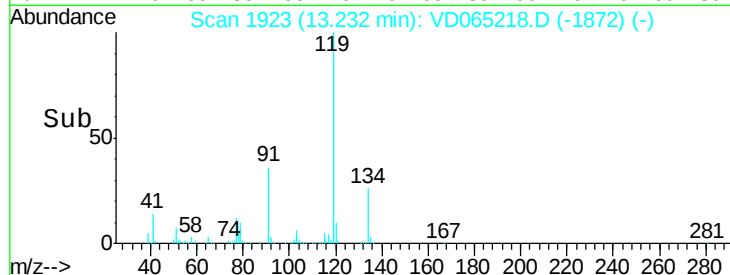
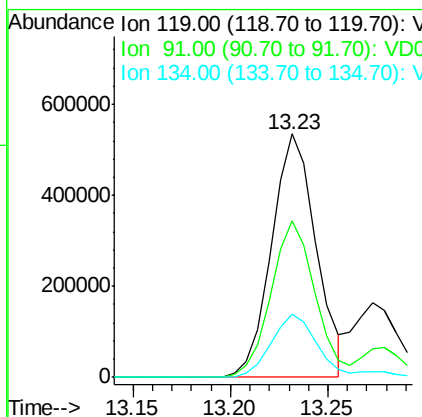
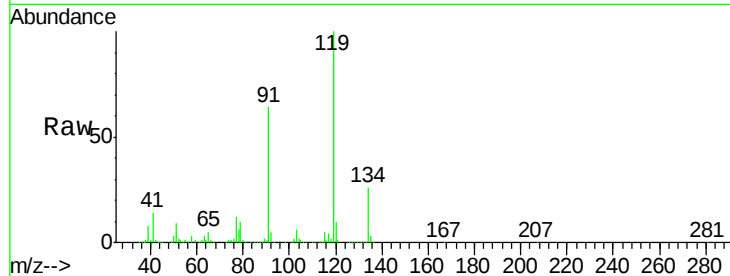
#83
tert-Butylbenzene
Concen: 55.919 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.8	31.9	95.5
134	28.2	13.8	41.3

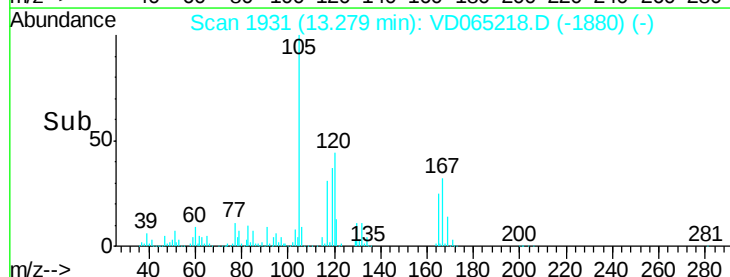
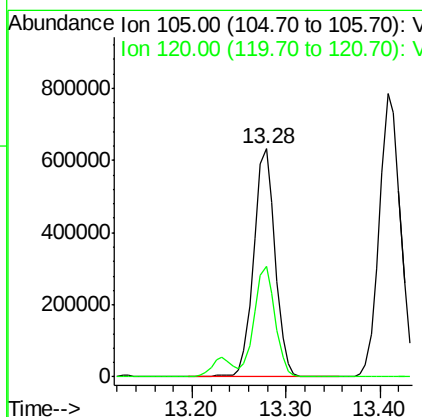
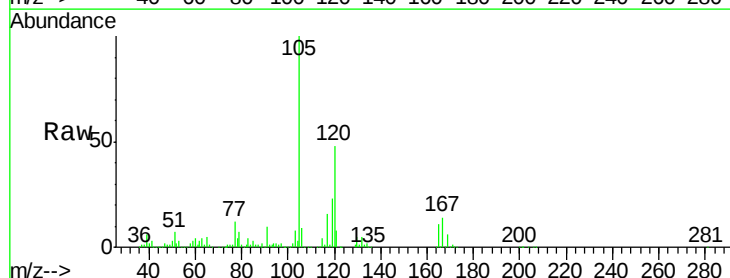
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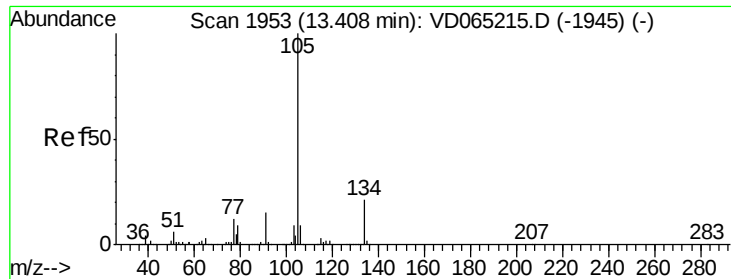
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#84
1,2,4-Trimethylbenzene
Concen: 55.132 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.3	69.9





#85

sec-Butylbenzene

Concen: 55.864 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

ClientSampleId :

ICVVD021820

Tot Ion:105 Resp: 1217338

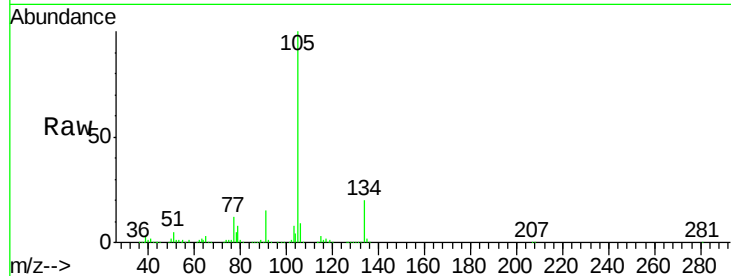
Ion Ratio Lower Upper

105 100

134 20.5 10.3 30.9

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

Ion 134.00 (133.70 to 134.70): V

800000

600000

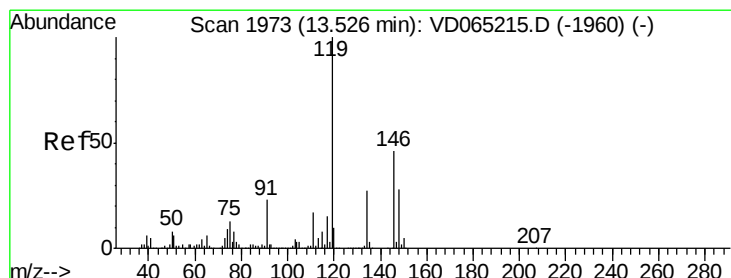
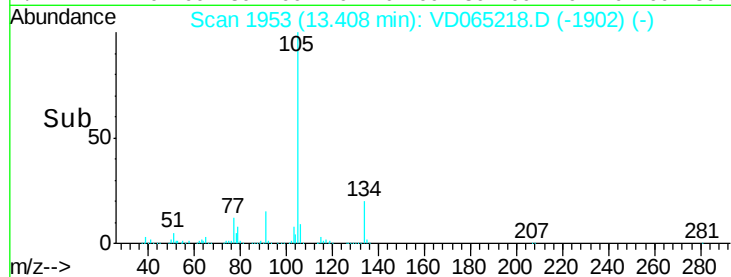
400000

200000

0

13.35 13.40 13.45

Time-->



#86

p-Isopropyltoluene

Concen: 55.959 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

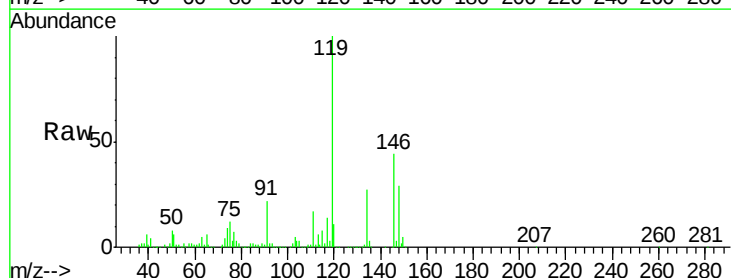
Tgt Ion:119 Resp: 1115155

Ion Ratio Lower Upper

119 100

134 27.2 13.3 39.8

91 22.1 11.1 33.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

1000000

800000

600000

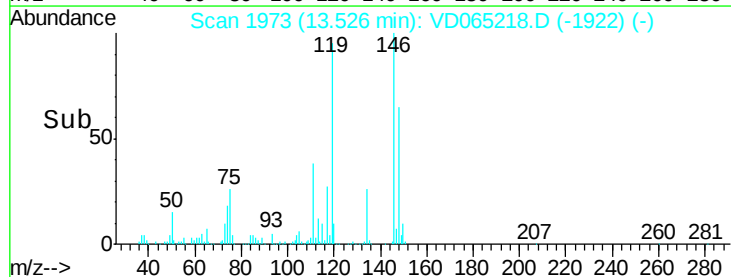
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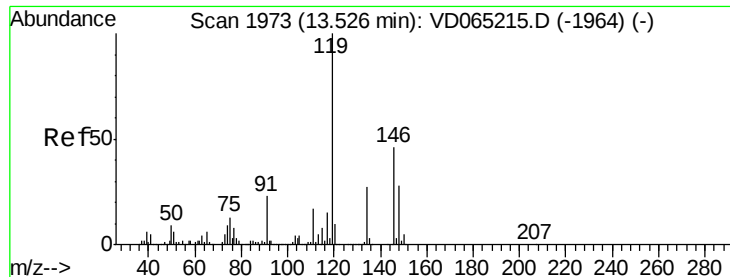
200000

0

13.50 13.55 13.60

Time-->





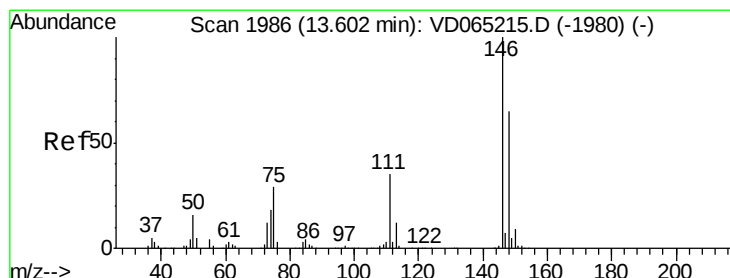
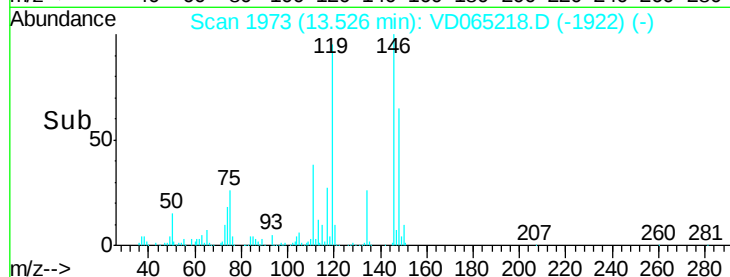
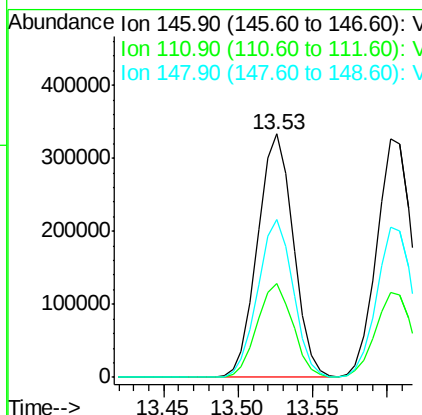
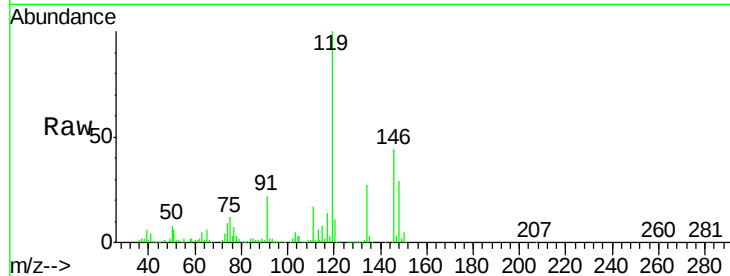
#87
 1,3-Dichlorobenzene
 Concen: 52.556 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	18.6	55.8
148	64.2	31.4	94.3

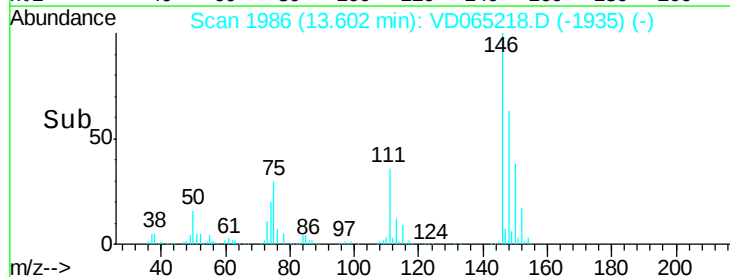
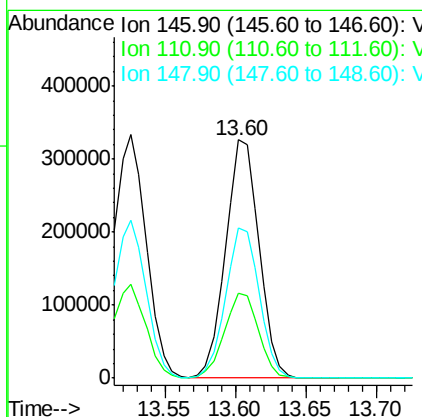
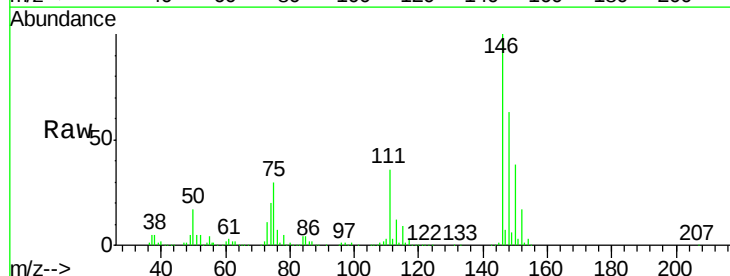
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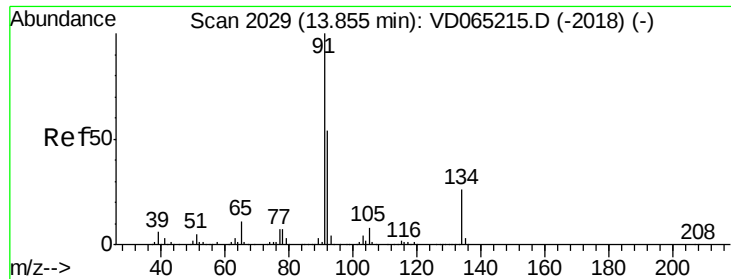
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#88
 1,4-Dichlorobenzene
 Concen: 51.783 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.2
148	63.6	32.1	96.5





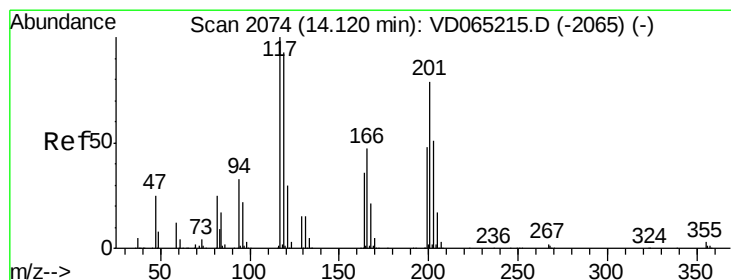
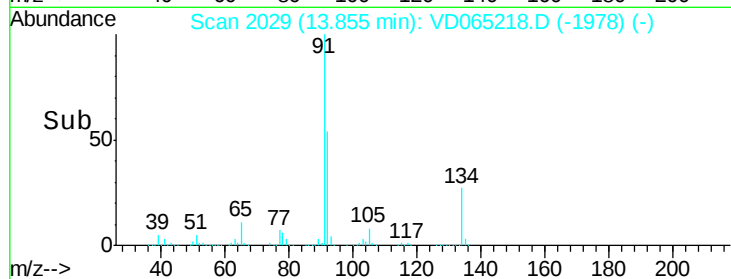
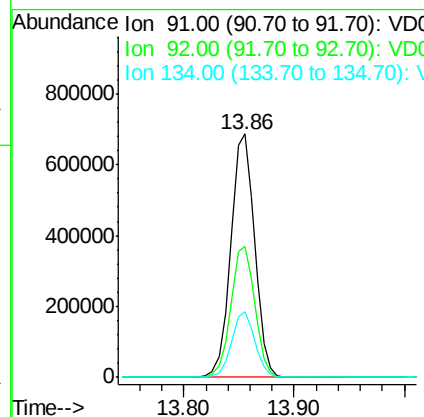
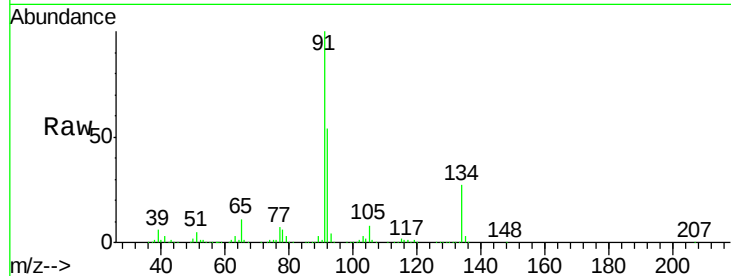
#89
n-Butylbenzene
Concen: 56.506 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Instrument :
MSVOA_D
ClientSampleId :
ICVVD021820

Tot Ion: 91 Resp: 1037630
Ion Ratio Lower Upper
91 100
92 54.2 27.0 80.8
134 26.4 13.5 40.4

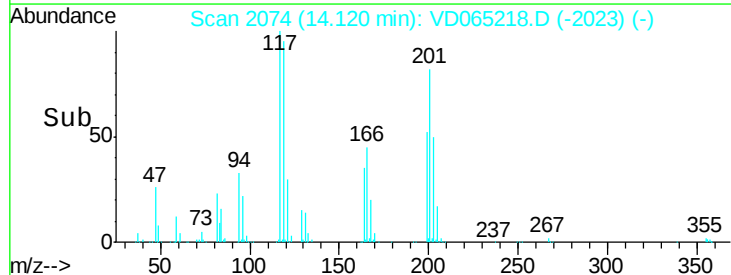
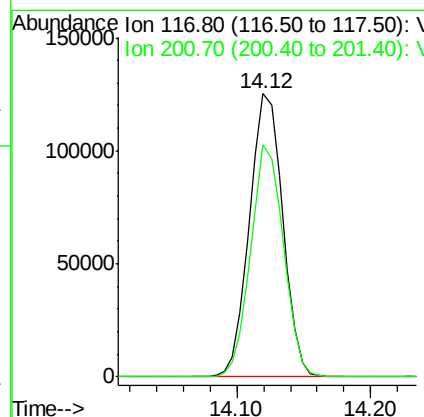
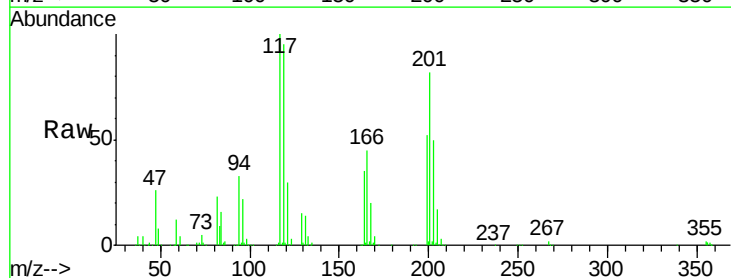
Manual Integrations
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#90
Hexachloroethane
Concen: 53.281 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065218.D
Acq: 18 Feb 2020 13:32

Tgt Ion: 117 Resp: 215590
Ion Ratio Lower Upper
117 100
201 80.8 41.3 124.1





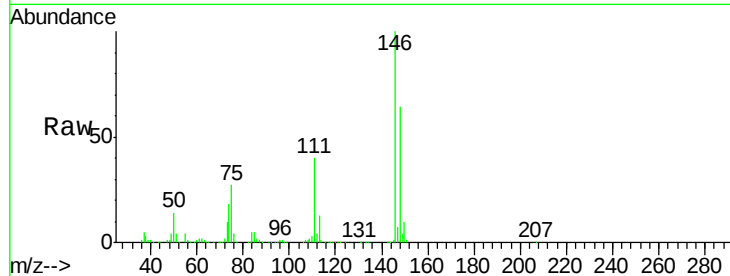
#91
 1,2-Dichlorobenzene
 Concen: 51.280 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

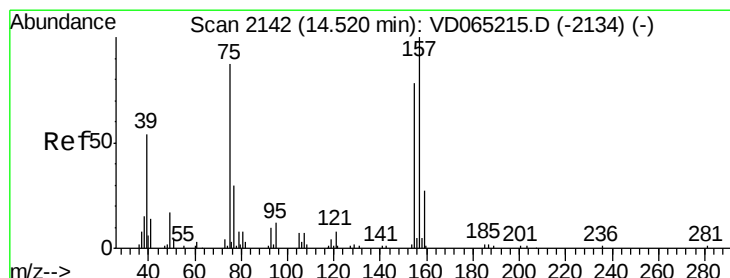
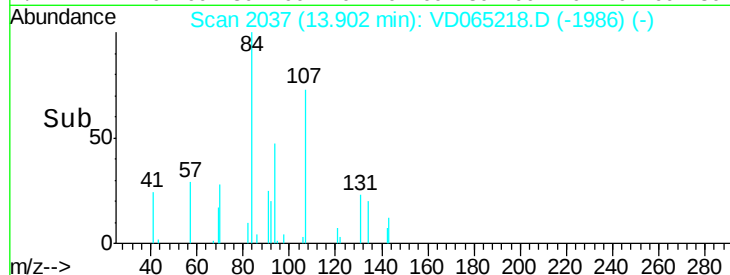
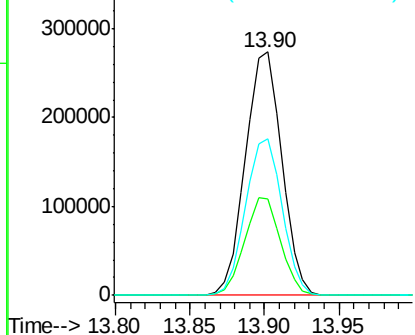
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.7	59.0
148	64.6	32.0	96.2

Manual Integrations
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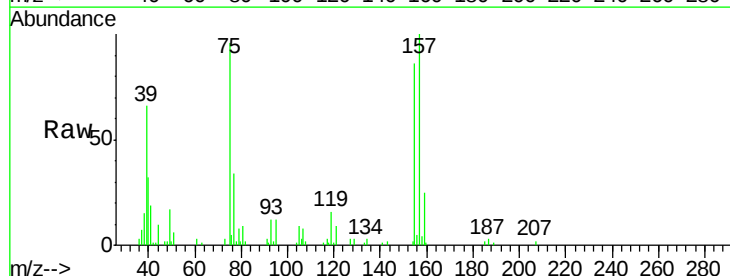


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

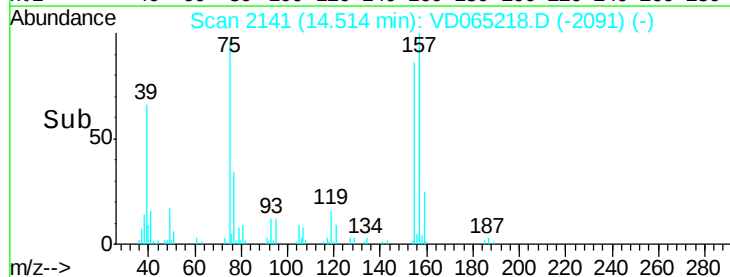
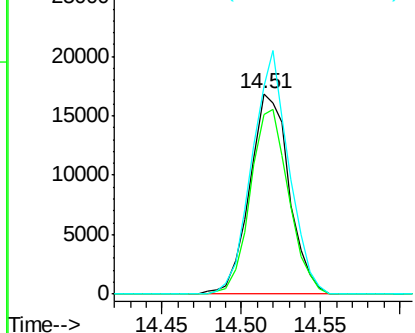


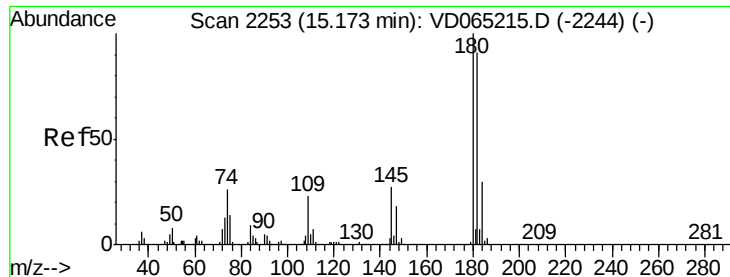
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.896 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.7	42.3	126.9
157	112.8	56.7	170.1



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





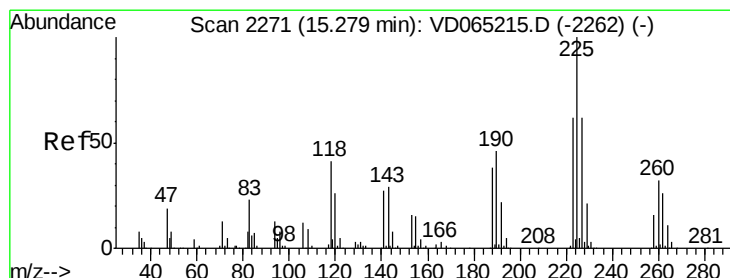
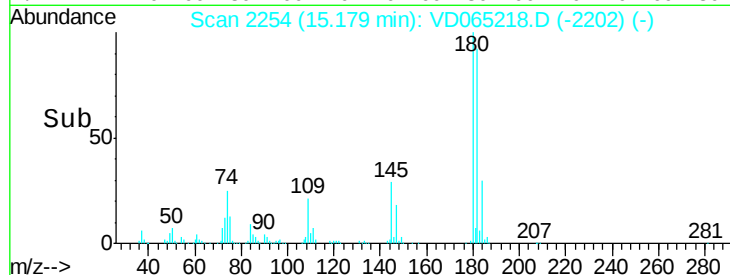
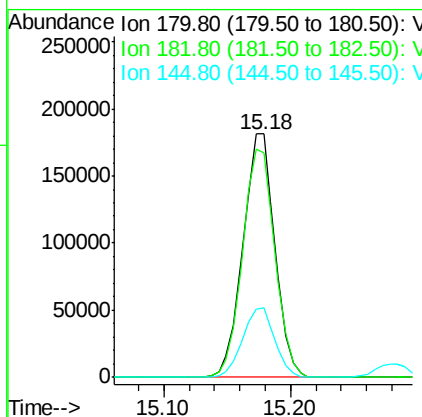
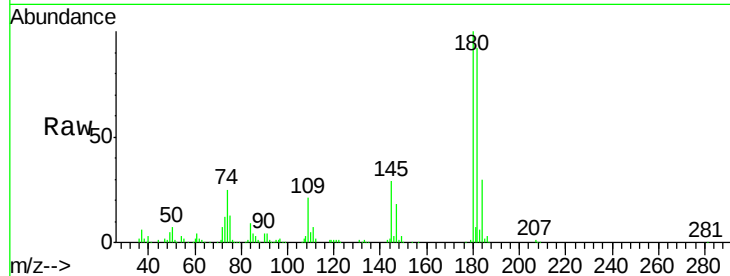
#93
 1,2,4-Trichlorobenzene
 Concen: 53.489 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD021820

Tot Ion:	180	Resp:	315941
Ion Ratio	Lower	Upper	
180	100		
182	95.8	46.9	140.6
145	28.9	13.9	41.7

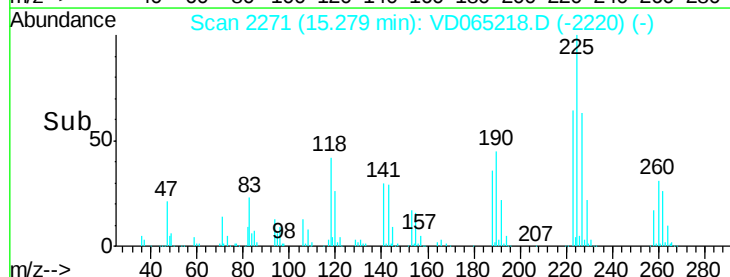
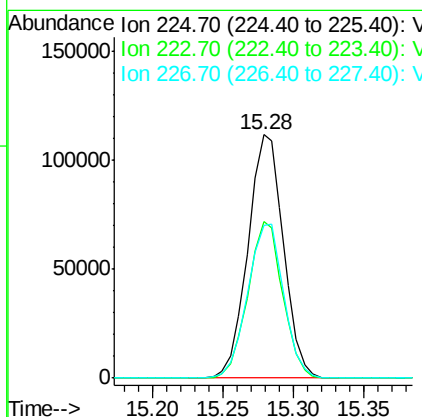
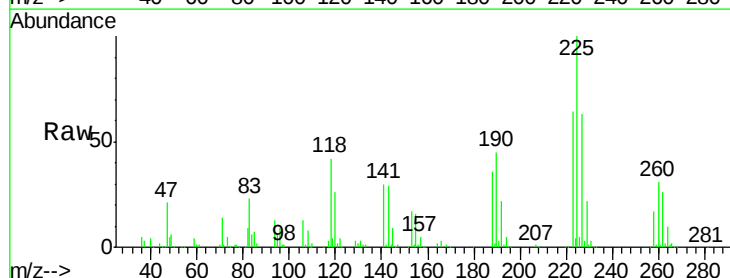
Manual Integrations
 APPROVED

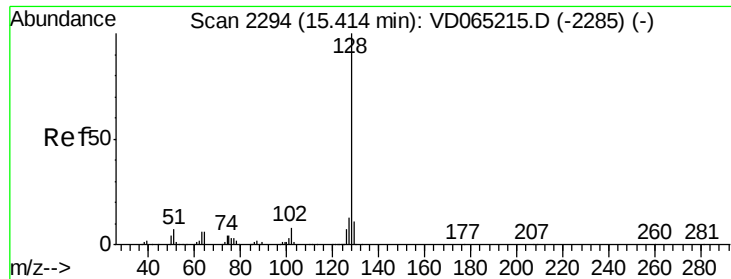
MMDadoda
 2/19/2020 1:44:21 PM



#94
 Hexachlorobutadiene
 Concen: 52.110 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065218.D
 Acq: 18 Feb 2020 13:32

Tgt Ion:	225	Resp:	197447
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.4	94.2
227	64.3	31.7	95.1





#95

Naphthalene

Concen: 54.317 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Instrument :

MSVOA_D

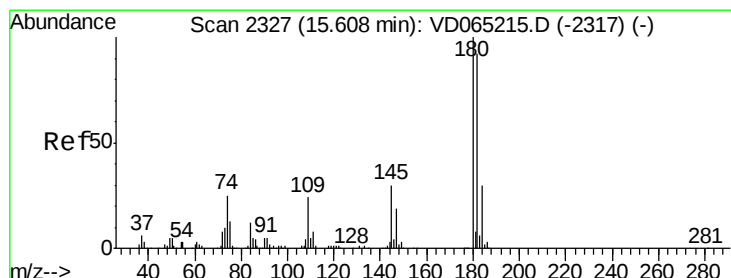
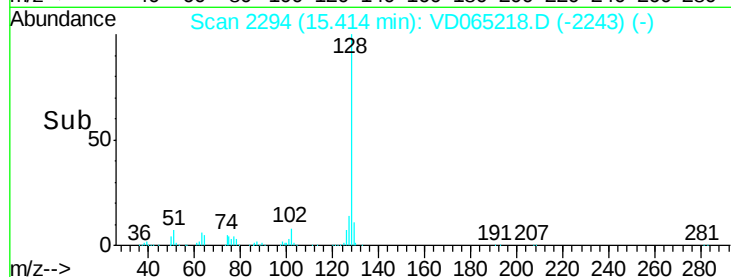
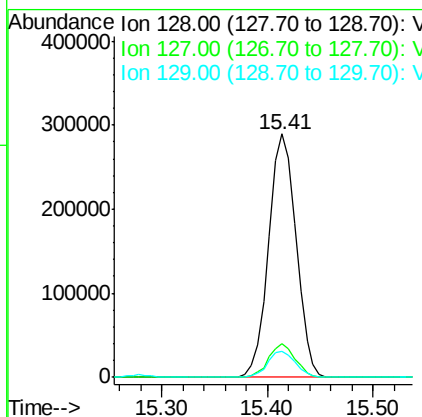
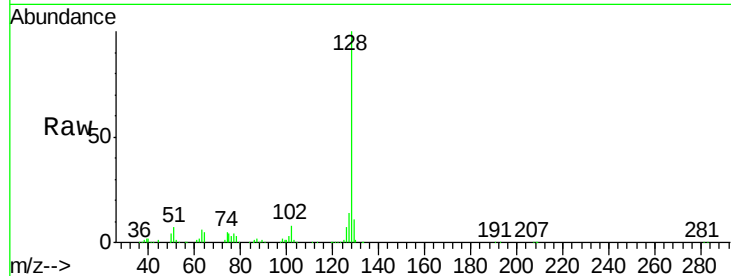
ClientSampleId :

ICVVD021820

Tot Ion:	128	Resp:	521572
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/19/2020 1:44:21 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.370 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD065218.D

Acq: 18 Feb 2020 13:32

Tgt Ion:	180	Resp:	275321
Ion Ratio	Lower	Upper	
180	100		
182	94.9	46.9	140.6
145	30.3	15.4	46.1

