

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022820\
 Data File : VD065353.D
 Acq On : 28 Feb 2020 11:41
 Operator : VA/SY
 Sample : VD0228SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Manual Integrations
 APPROVED

MMDadoda
 3/2/2020 10:35:31 AM

Quant Time: Feb 28 16:26:21 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	453883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	661917	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	616233	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305467	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	214956	52.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.28%	
35) Dibromofluoromethane	7.91	113	222916	55.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.46%	
50) Toluene-d8	10.34	98	901241	58.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.82%	
62) 4-Bromofluorobenzene	12.64	95	290120	59.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	72505	19.046	ug/l	99
3) Chloromethane	2.21	50	97419	20.105	ug/l	97
4) Vinyl Chloride	2.36	62	97767	19.842	ug/l	98
5) Bromomethane	2.77	94	60437	20.287	ug/l	100
6) Chloroethane	2.92	64	60058	19.969	ug/l	93
7) Trichlorofluoromethane	3.27	101	151820	21.522	ug/l	96
8) Diethyl Ether	3.71	74	44810	21.044	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	97147	21.807	ug/l	99
10) Methyl Iodide	4.29	142	93854	20.291	ug/l	99
11) Tert butyl alcohol	5.24	59	23835m	97.687	ug/l	
12) 1,1-Dichloroethene	4.06	96	89868	21.356	ug/l	93
13) Acrolein	3.92	56	31246	85.270	ug/l	98
14) Allyl chloride	4.71	41	145409	21.278	ug/l	98
15) Acrylonitrile	5.43	53	97672	103.605	ug/l	100
16) Acetone	4.16	43	93390	93.565	ug/l	93
17) Carbon Disulfide	4.40	76	283500	20.094	ug/l	99
18) Methyl Acetate	4.73	43	51136	22.779	ug/l	100
19) Methyl tert-butyl Ether	5.49	73	180256	20.541	ug/l	92
20) Methylene Chloride	4.96	84	111827	22.645	ug/l	97
21) trans-1,2-Dichloroethene	5.46	96	105869	22.130	ug/l	92
22) Diisopropyl ether	6.36	45	287942	21.857	ug/l	98
23) Vinyl Acetate	6.31	43	729858	100.494	ug/l	99
24) 1,1-Dichloroethane	6.27	63	178132	21.800	ug/l	96
25) 2-Butanone	7.22	43	123316	97.649	ug/l	99
26) 2,2-Dichloropropane	7.21	77	154304	21.765	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	110144	21.736	ug/l	99
28) Bromochloromethane	7.54	49	58024	19.140	ug/l	99
29) Tetrahydrofuran	7.57	42	74959	101.305	ug/l	99
30) Chloroform	7.71	83	180210	21.891	ug/l	99
31) Cyclohexane	7.98	56	165710	20.640	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	164992	22.401	ug/l	99
36) 1,1-Dichloropropene	8.11	75	141508	21.972	ug/l	99
37) Ethyl Acetate	7.30	43	56738	21.073	ug/l #	79
38) Carbon Tetrachloride	8.10	117	145594	22.207	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	166698	22.016	ug/l	100
40) Benzene	8.36	78	406303	22.350	ug/l	99
41) Methacrylonitrile	7.53	41	31350	20.166	ug/l	95
42) 1,2-Dichloroethane	8.43	62	104911	20.992	ug/l	98
43) Isopropyl Acetate	8.46	43	98295	20.076	ug/l	99
44) Trichloroethene	9.11	130	113580	22.540	ug/l	97
45) 1,2-Dichloropropane	9.39	63	101933	22.550	ug/l	97
46) Dibromomethane	9.48	93	51386	22.094	ug/l	99
47) Bromodichloromethane	9.67	83	135626	22.127	ug/l	98
48) Methyl methacrylate	9.46	41	46208	20.418	ug/l	96
49) 1,4-Dioxane	9.46	88	11959	438.410	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	258649	104.009	ug/l	100
52) Toluene	10.41	92	265343	23.581	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	123655	21.765	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	153155	22.324	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	72486	22.143	ug/l	97
56) Ethyl methacrylate	10.67	69	78855	20.870	ug/l	96
57) 1,3-Dichloropropane	10.95	76	125515	22.528	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	113202	95.029	ug/l	98
59) 2-Hexanone	10.99	43	178880	100.486	ug/l	98
60) Dibromochloromethane	11.14	129	94154	22.472	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69811	22.524	ug/l	99
64) Tetrachloroethene	10.88	164	99470	22.759	ug/l	97
65) Chlorobenzene	11.68	112	274435	22.192	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	102945	22.308	ug/l	99
67) Ethyl Benzene	11.75	91	476040	21.980	ug/l	99
68) m/p-Xylenes	11.86	106	378362	45.661	ug/l	100
69) o-Xylene	12.19	106	164547	22.414	ug/l	100
70) Styrene	12.20	104	289324	22.198	ug/l	98
71) Bromoform	12.37	173	55890	21.826	ug/l #	96
73) Isopropylbenzene	12.49	105	458764	22.685	ug/l	100
74) N-amyl acetate	12.30	43	89550	19.928	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	76080	20.845	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	54386m	20.926	ug/l	
77) Bromobenzene	12.77	156	111023	22.108	ug/l	98
78) n-propylbenzene	12.83	91	557227	22.928	ug/l	99
79) 2-Chlorotoluene	12.91	91	301997	22.182	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	379732	22.798	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22980	19.091	ug/l	99
82) 4-Chlorotoluene	13.01	91	328620	22.736	ug/l	100
83) tert-Butylbenzene	13.23	119	320588	22.964	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	375111	22.500	ug/l	98
85) sec-Butylbenzene	13.41	105	450477	22.394	ug/l	99
86) p-Isopropyltoluene	13.53	119	415832	22.605	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	216635	22.314	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	214388	22.375	ug/l	99
89) n-Butylbenzene	13.86	91	385096	22.717	ug/l	99
90) Hexachloroethane	14.13	117	81531	21.827	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	183065	21.961	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11730	20.855	ug/l	98

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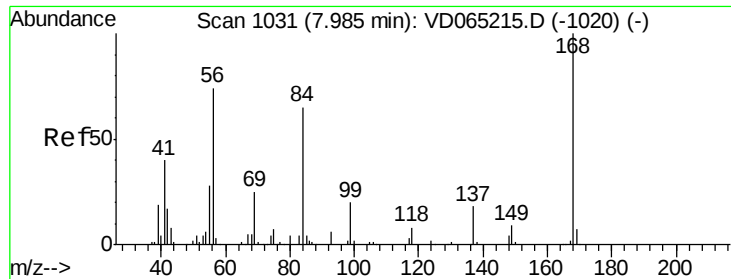
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	120106	22.027	ug/l	96
94) Hexachlorobutadiene	15.28	225	79151	22.629	ug/l	99
95) Naphthalene	15.41	128	183389	20.689	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	105766	22.210	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tot Ion:168 Resp: 453883

Ion Ratio Lower Upper

168 100

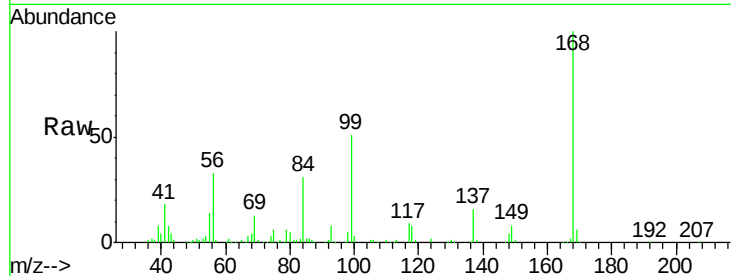
99 50.3 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

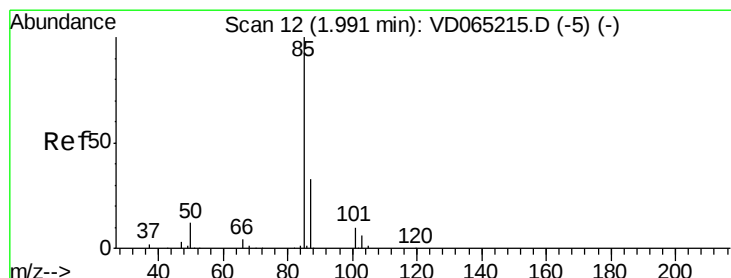
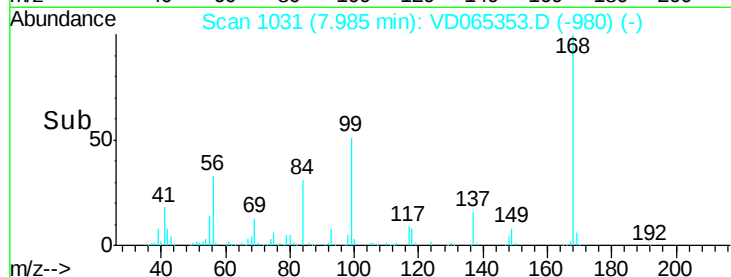
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.046 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065353.D

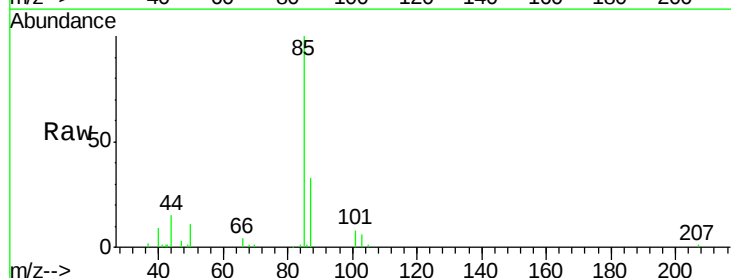
Acq: 28 Feb 2020 11:41

Tgt Ion: 85 Resp: 72505

Ion Ratio Lower Upper

85 100

87 33.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

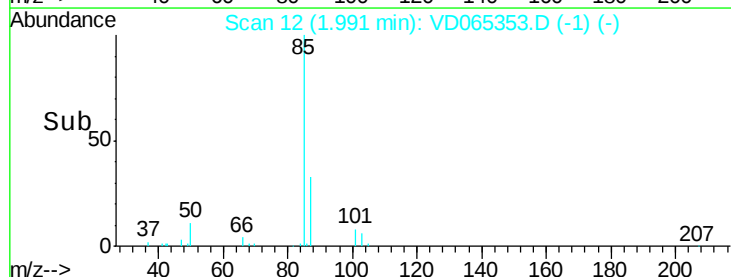
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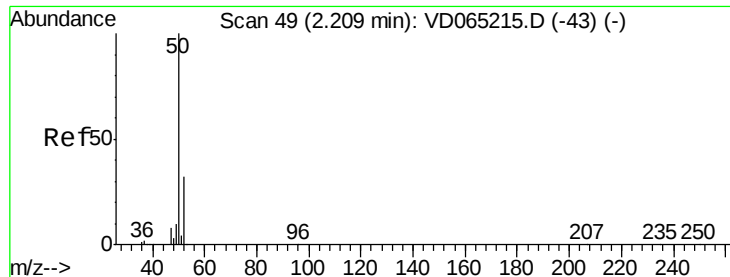
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0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.105 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tot Ion: 50 Resp: 97419

Ion Ratio Lower Upper

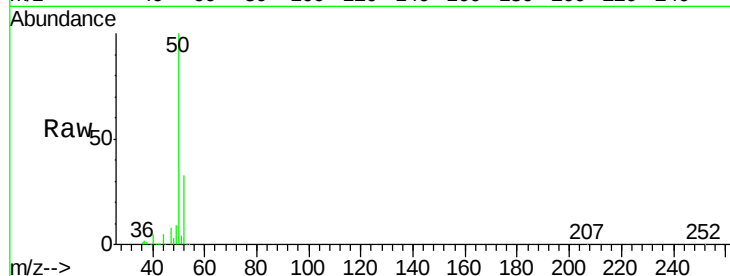
50 100

52 33.4 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

80000

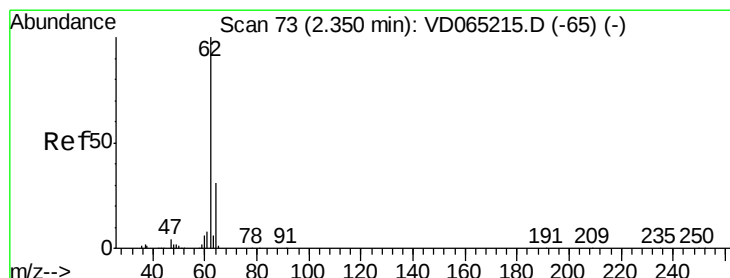
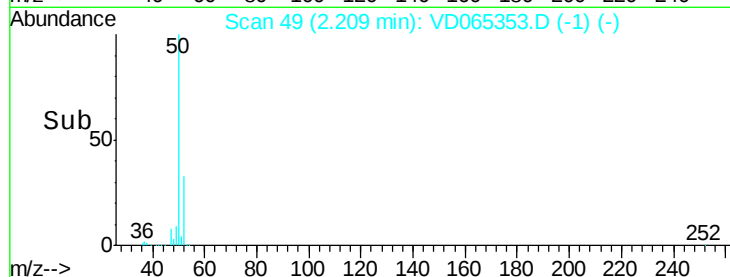
60000

40000

20000

0

Time-->



#4

Vinyl Chloride

Concen: 19.842 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065353.D

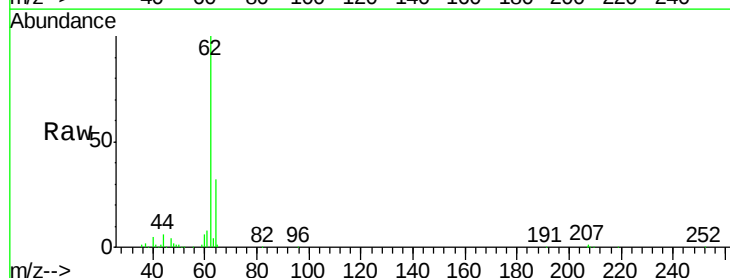
Acq: 28 Feb 2020 11:41

Tgt Ion: 62 Resp: 97767

Ion Ratio Lower Upper

62 100

64 32.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

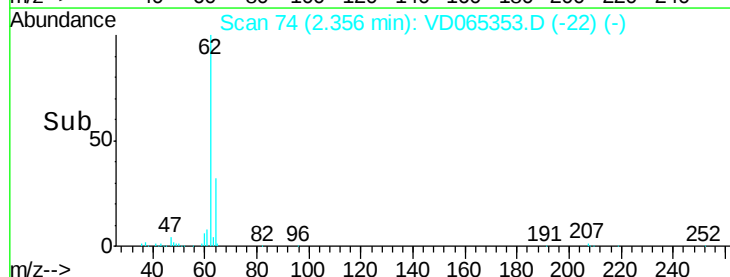
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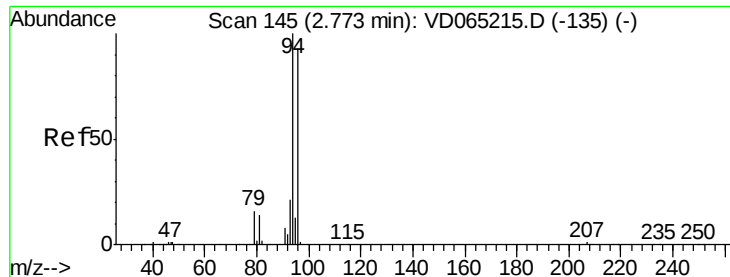
40000

20000

0

Time-->





#5

Bromomethane

Concen: 20.287 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tot Ion: 94 Resp: 60437

Ion Ratio Lower Upper

94 100

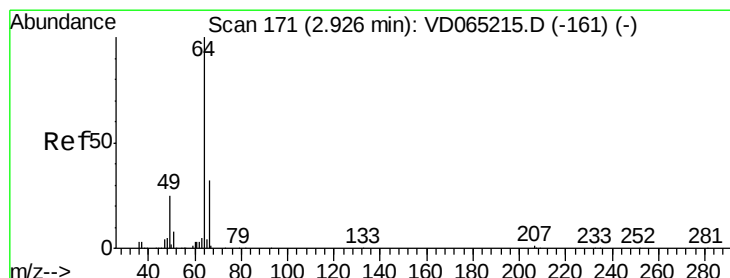
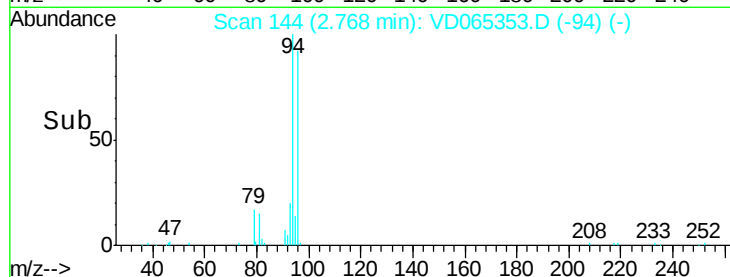
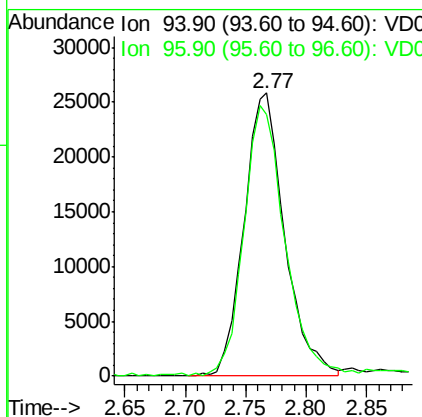
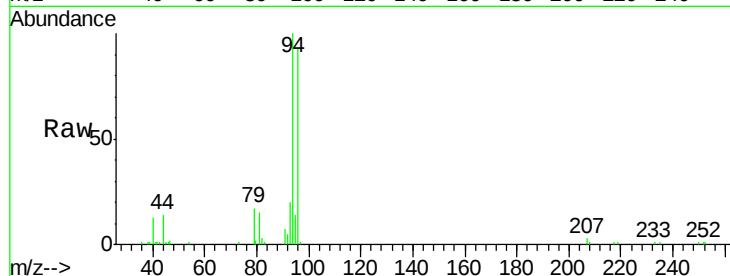
96 92.5 74.2 111.4

Manual Integrations

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#6

Chloroethane

Concen: 19.969 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065353.D

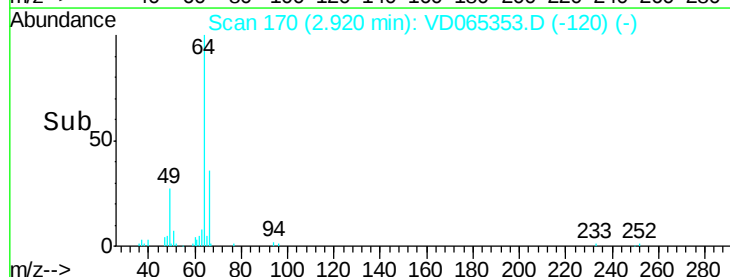
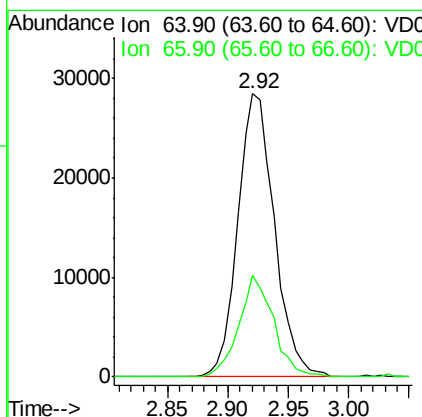
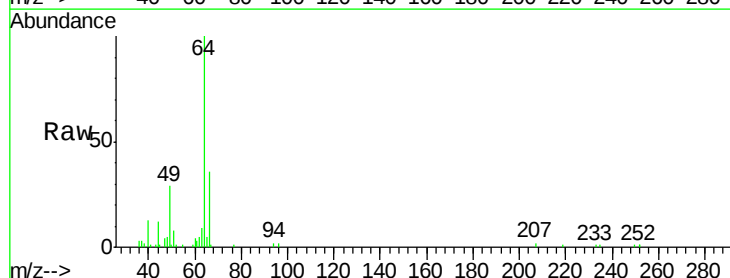
Acq: 28 Feb 2020 11:41

Tgt Ion: 64 Resp: 60058

Ion Ratio Lower Upper

64 100

66 35.7 25.7 38.5





#7

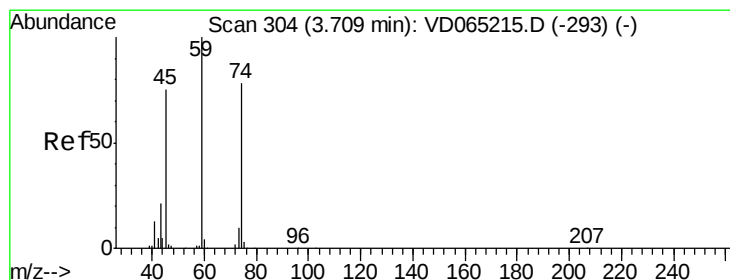
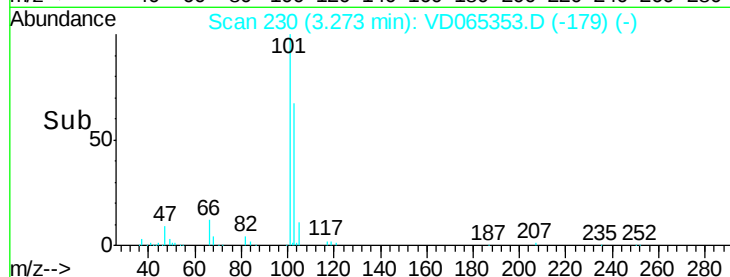
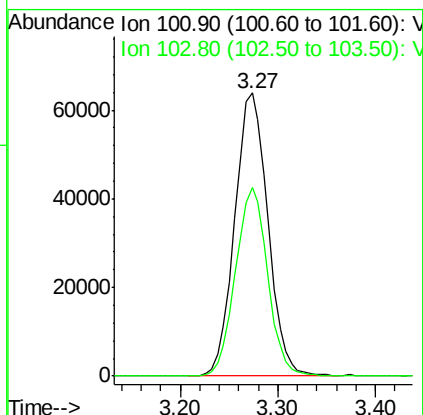
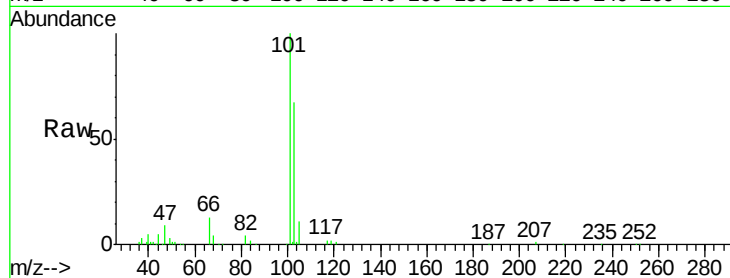
Trichlorofluoromethane
 Concen: 21.522 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

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 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.8	50.7	76.1

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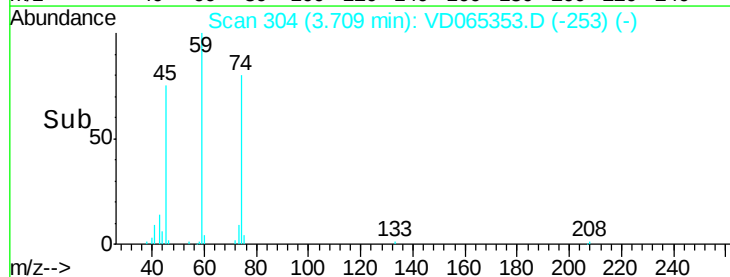
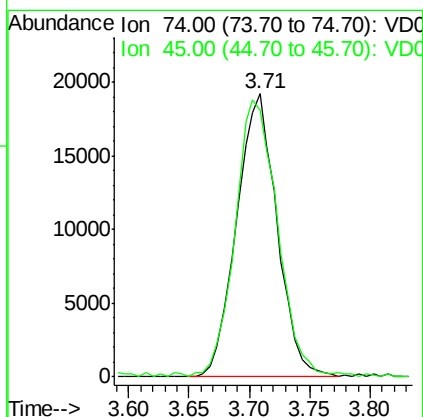
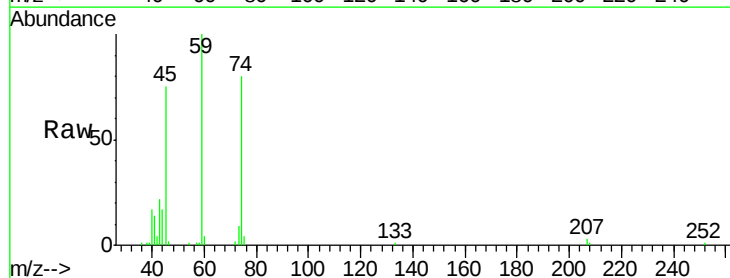
MMDadoda
 3/2/2020 10:35:31 AM

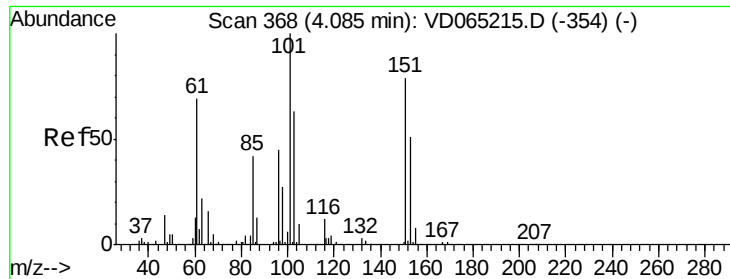


#8

Diethyl Ether
 Concen: 21.044 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.4	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.807 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

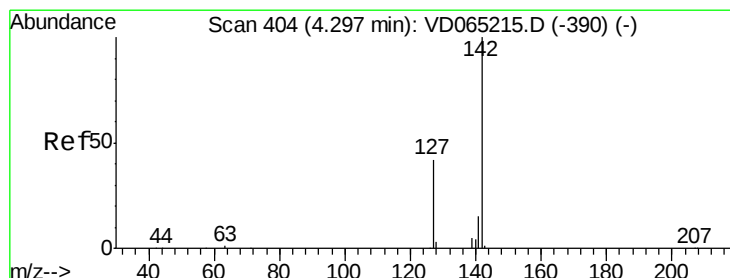
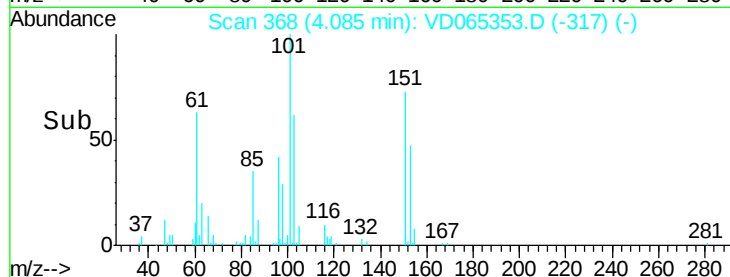
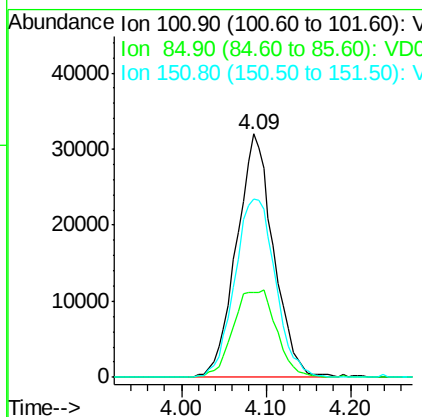
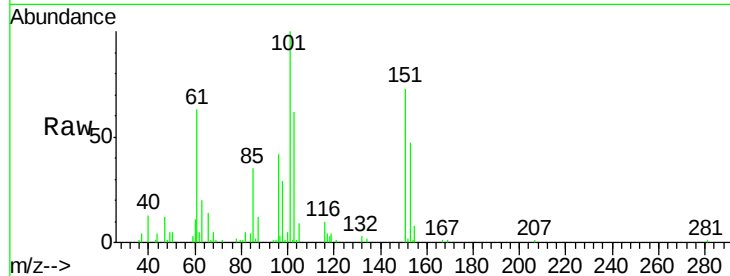
ClientSampleId :

VD0228SBS01

Tot Ion:	101	Resp:	97147
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.2
151	80.6	63.5	95.3

Manual Integrations
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3/2/2020 10:35:31 AM



#10

Methyl Iodide

Concen: 20.291 ug/l

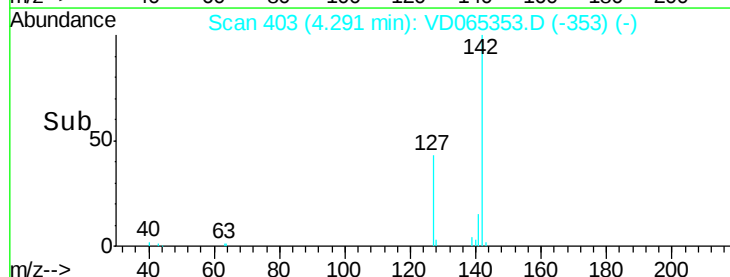
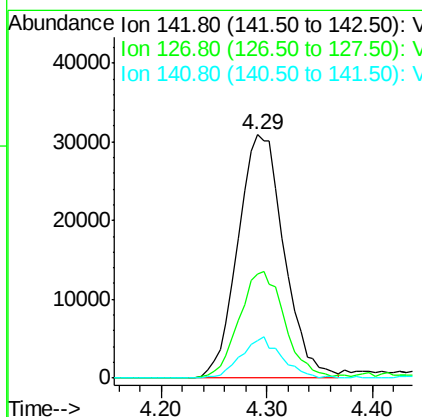
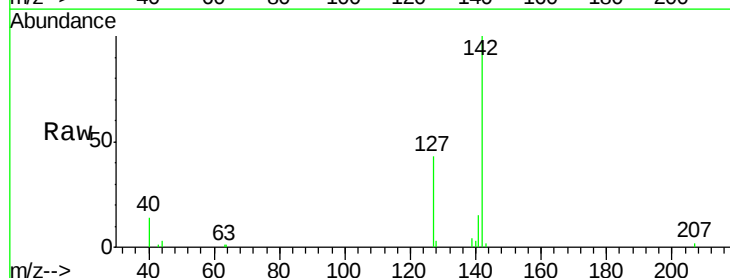
RT: 4.29 min Scan# 403

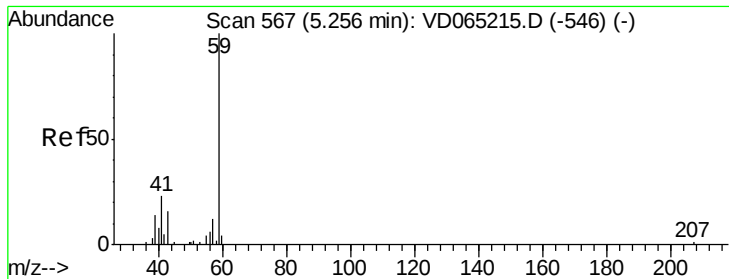
Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Tgt Ion:	142	Resp:	93854
Ion Ratio	Lower	Upper	
142	100		
127	43.1	33.8	50.8
141	14.5	11.7	17.5





#11

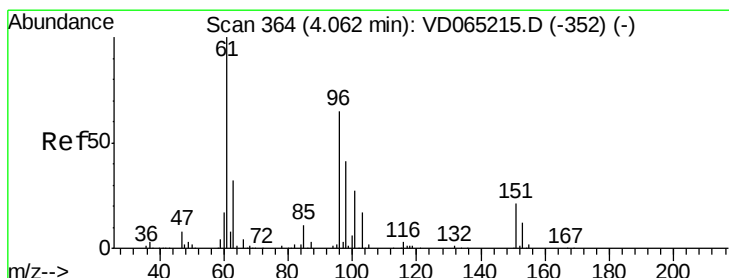
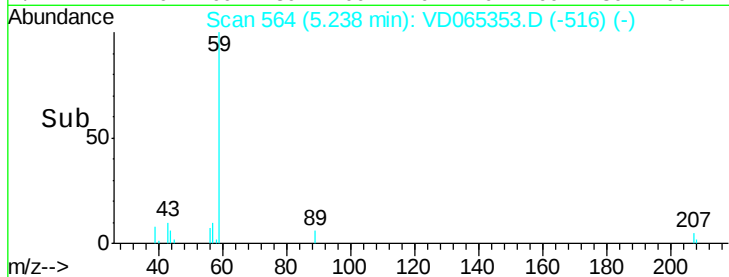
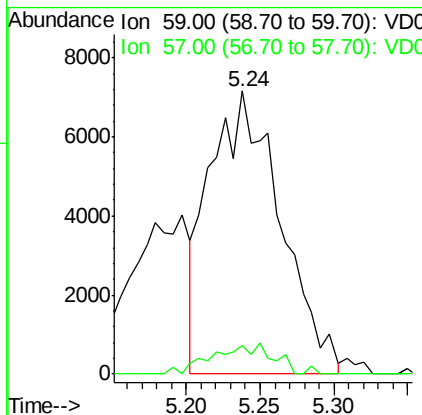
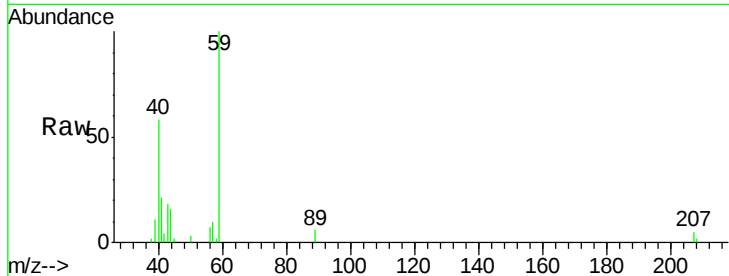
Tert butyl alcohol
Concen: 97.687 ug/l m
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
59	100	23835		
57	8.9		8.4	12.6

Manual Integrations
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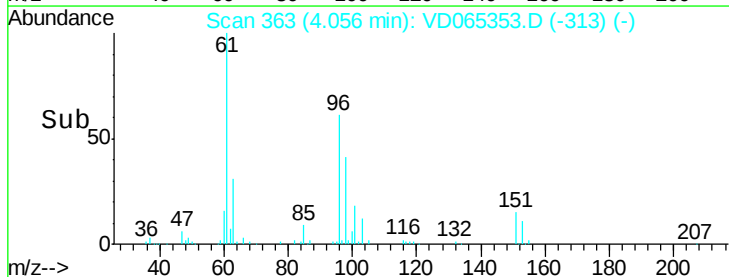
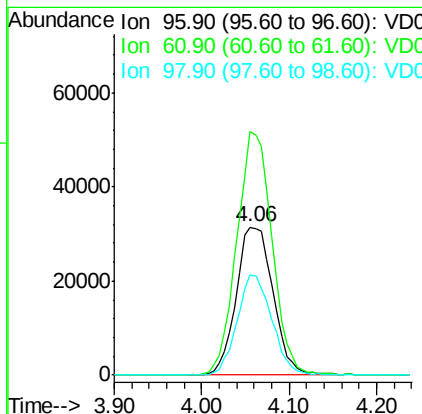
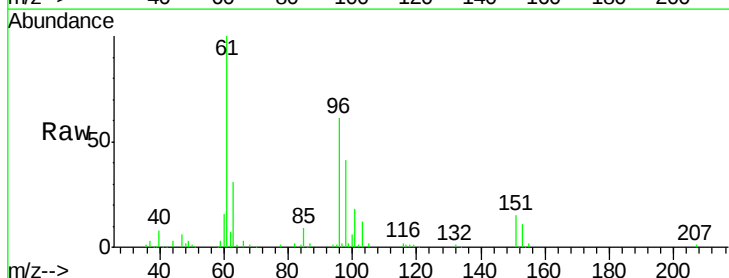
MMDadoda
3/2/2020 10:35:31 AM

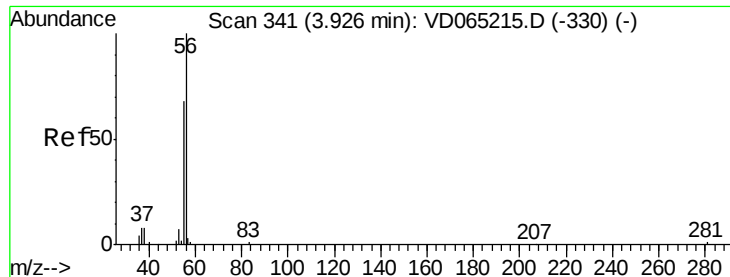


#12

1,1-Dichloroethene
Concen: 21.356 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	89868		
61	164.9		123.3	184.9
98	67.9		51.0	76.4





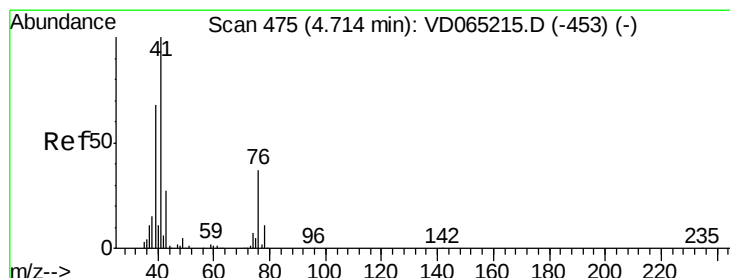
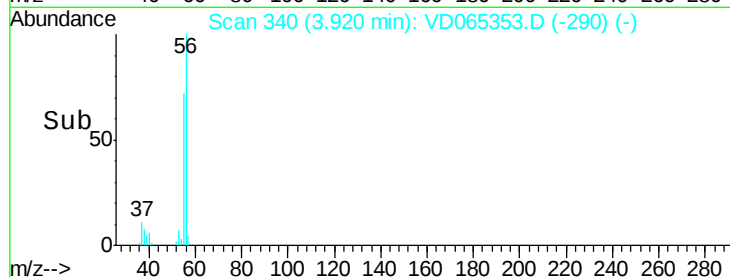
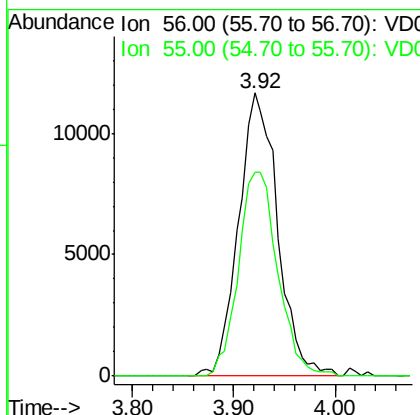
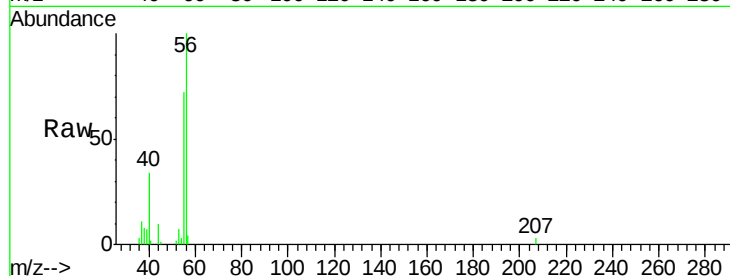
#13
Acrolein
Concen: 85.270 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	56	Resp	31246
Ion Ratio	100	Lower	Upper
55	72.3	56.6	85.0

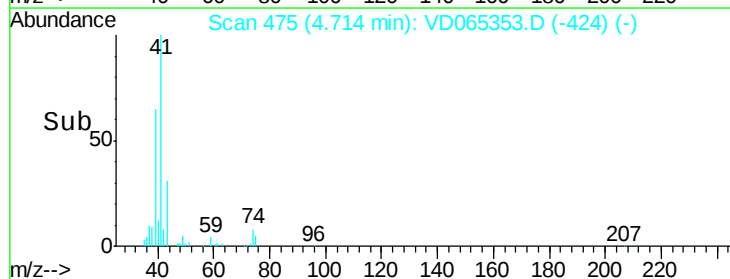
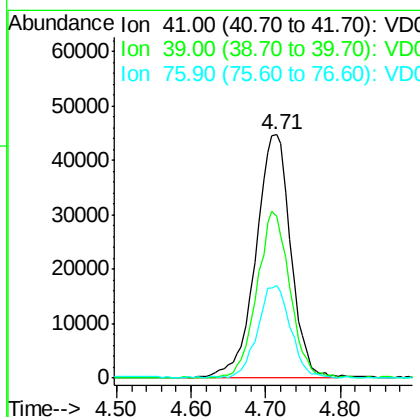
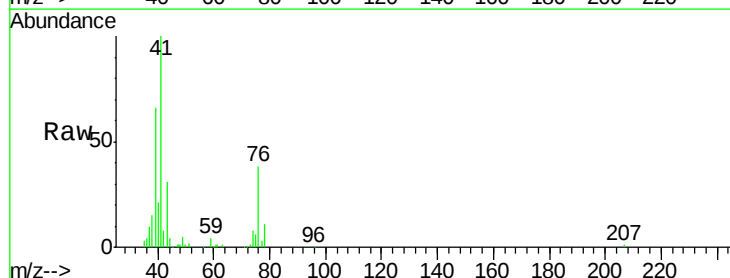
Manual Integrations
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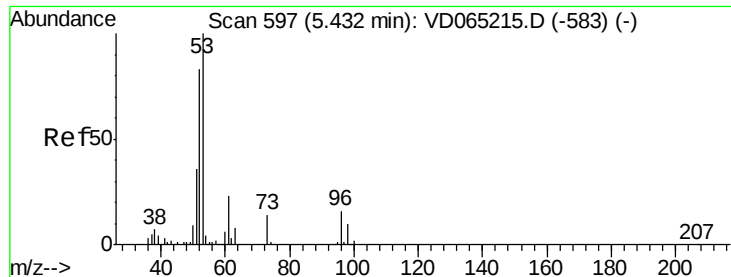
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#14
Allyl chloride
Concen: 21.278 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	41	Resp	145409
Ion Ratio	100	Lower	Upper
39	64.6	53.8	80.6
76	36.0	28.7	43.1





#15

Acrylonitrile

Concen: 103.605 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

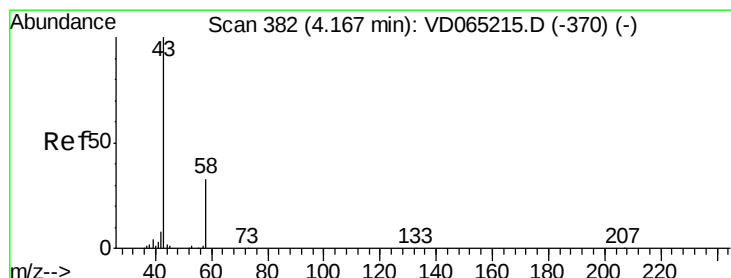
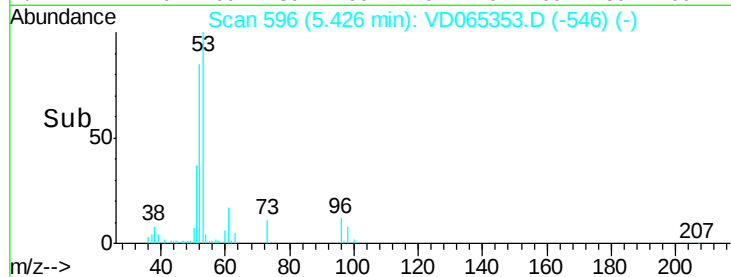
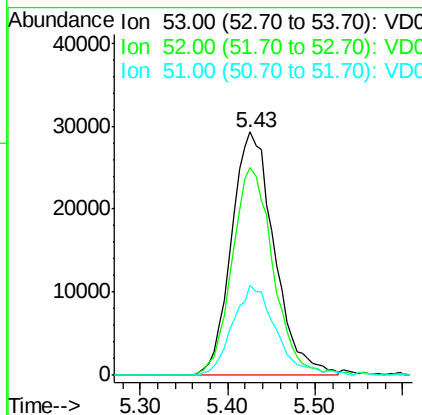
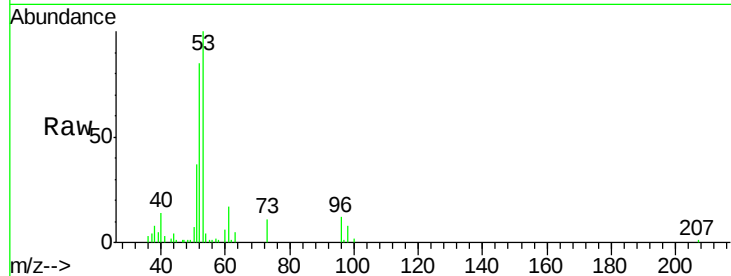
ClientSampleId :

VD0228SBS01

Tot Ion:	53	Resp:	97672
Ion Ratio	Lower	Upper	
53	100		
52	81.8	65.4	98.2
51	36.7	29.5	44.3

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#16

Acetone

Concen: 93.565 ug/l

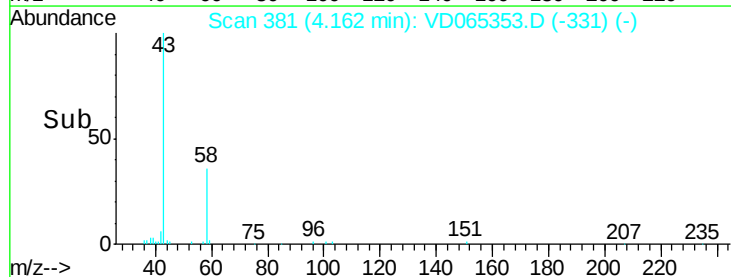
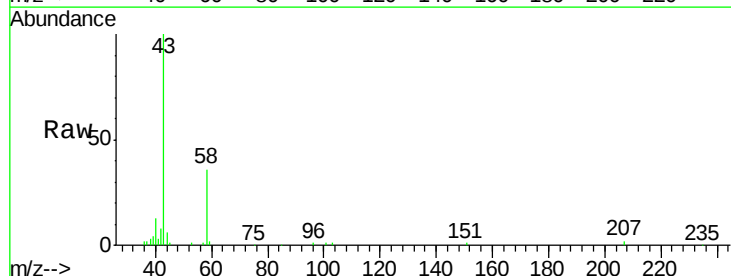
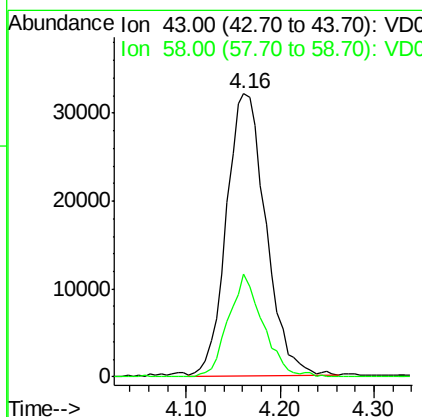
RT: 4.16 min Scan# 381

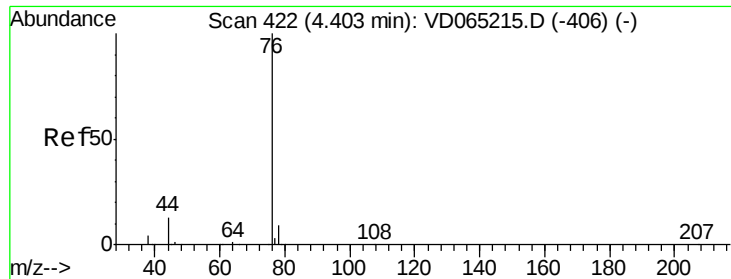
Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Tgt Ion:	43	Resp:	93390
Ion Ratio	Lower	Upper	
43	100		
58	36.5	26.2	39.2





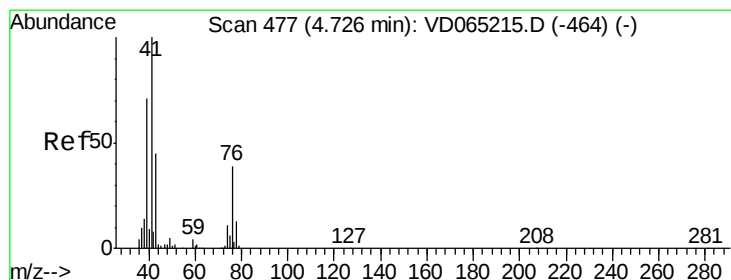
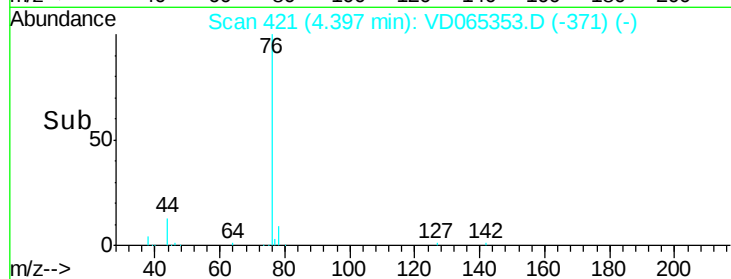
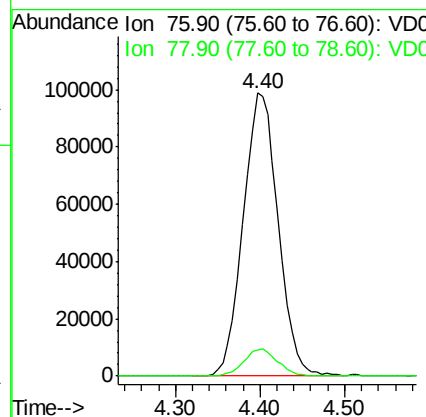
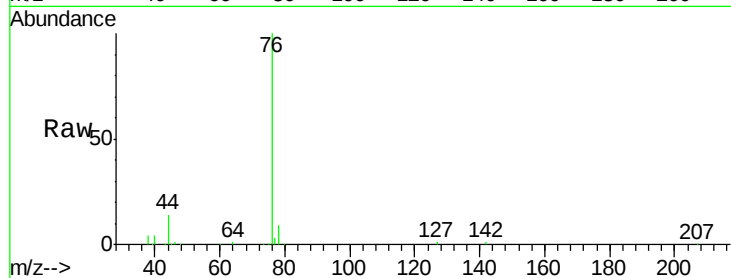
#17
Carbon Disulfide
Concen: 20.094 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

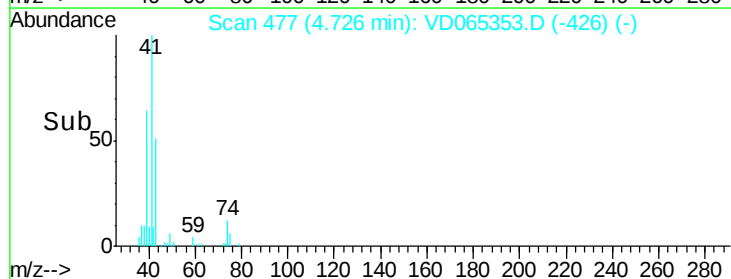
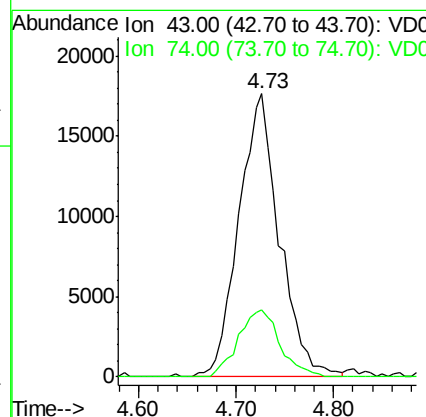
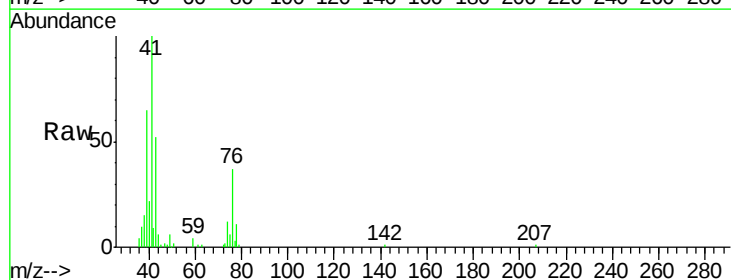
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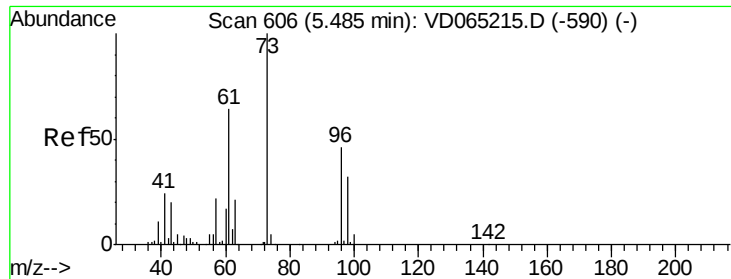
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#18
Methyl Acetate
Concen: 22.779 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.4	19.4	29.2





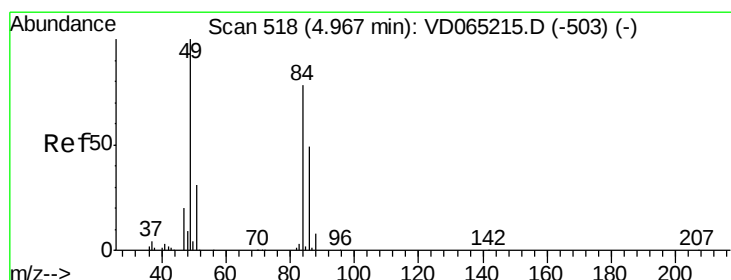
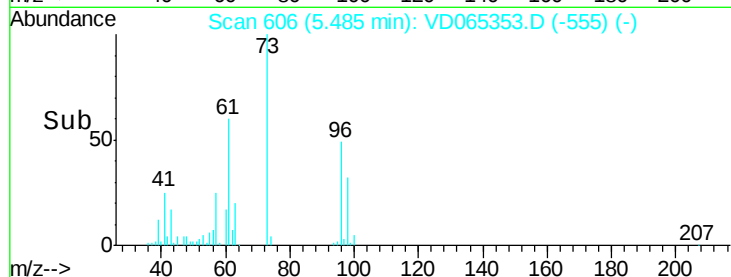
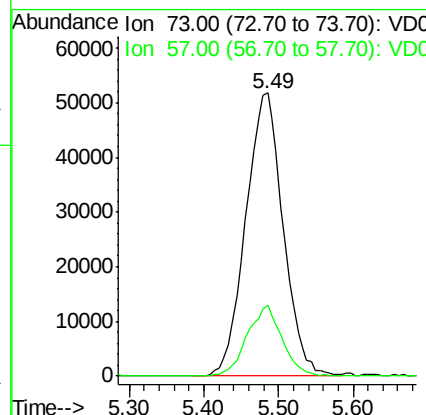
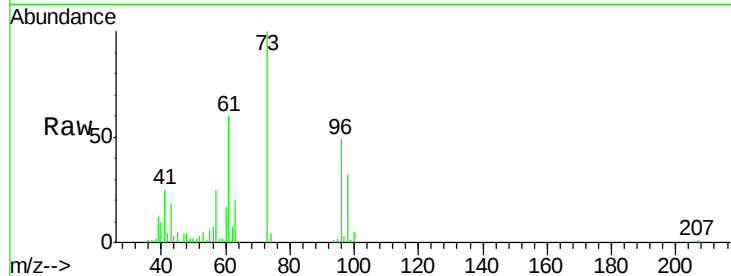
#19
Methyl tert-butyl Ether
Concen: 20.541 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion: 73 Resp: 180256
Ion Ratio Lower Upper
73 100
57 25.3 17.3 25.9

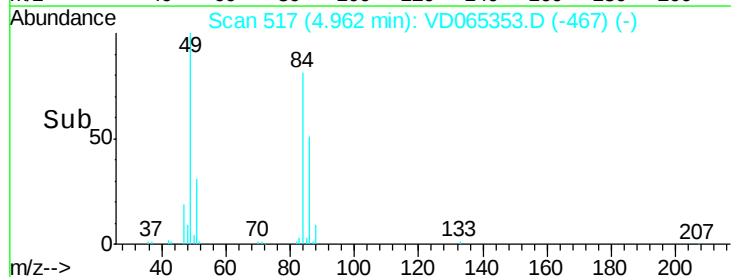
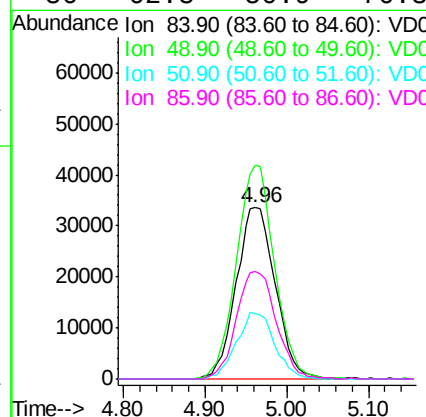
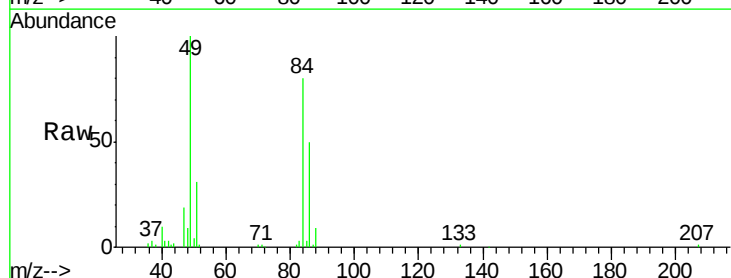
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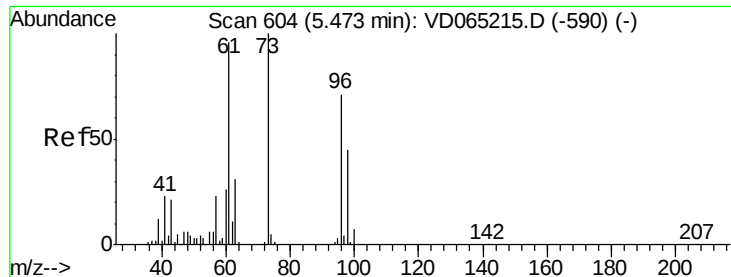
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#20
Methylene Chloride
Concen: 22.645 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 84 Resp: 111827
Ion Ratio Lower Upper
84 100
49 124.6 103.1 154.7
51 38.4 31.7 47.5
86 62.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 22.130 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tot Ion: 96 Resp: 105869

Ion Ratio Lower Upper

96 100

61 123.7 108.3 162.5

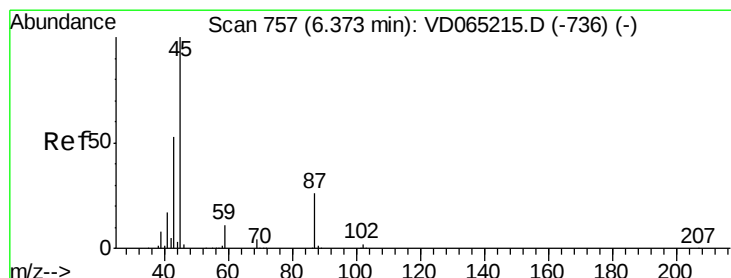
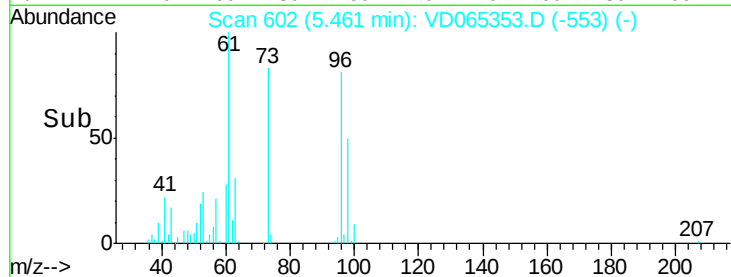
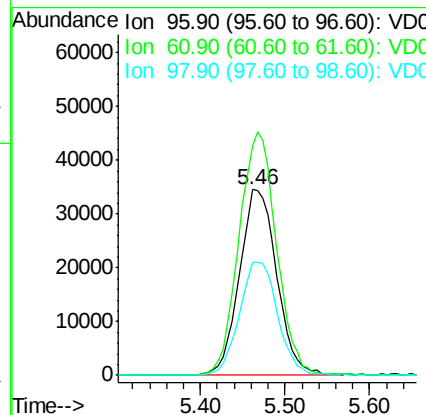
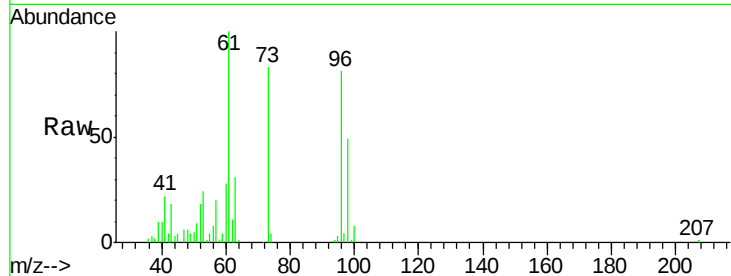
98 61.0 50.7 76.1

Manual Integrations

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#22

Diisopropyl ether

Concen: 21.857 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Tgt Ion: 45 Resp: 287942

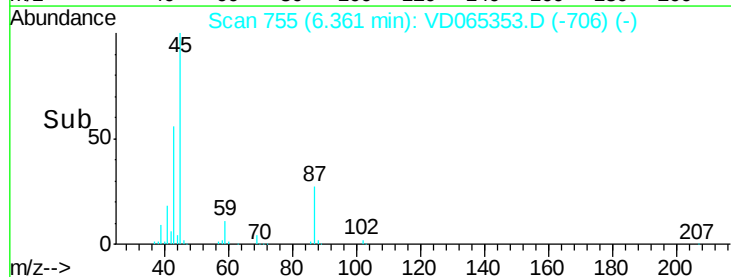
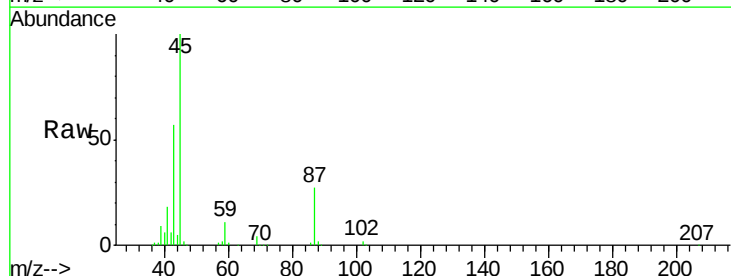
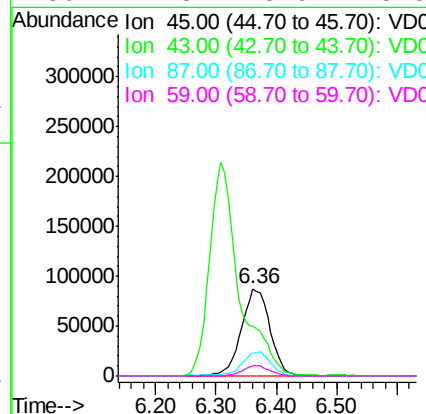
Ion Ratio Lower Upper

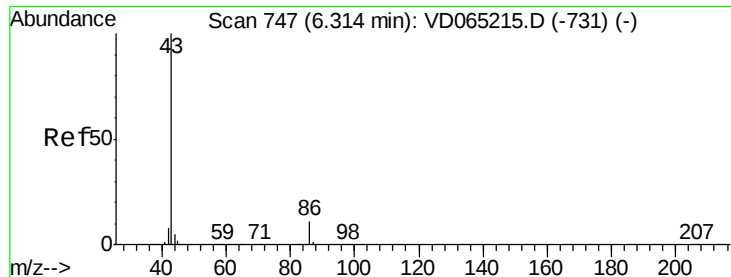
45 100

43 55.5 42.6 64.0

87 26.5 21.2 31.8

59 11.3 8.9 13.3





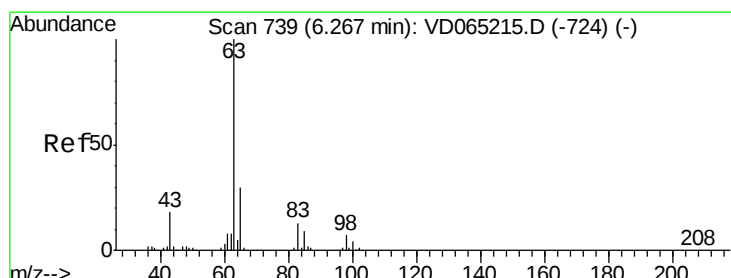
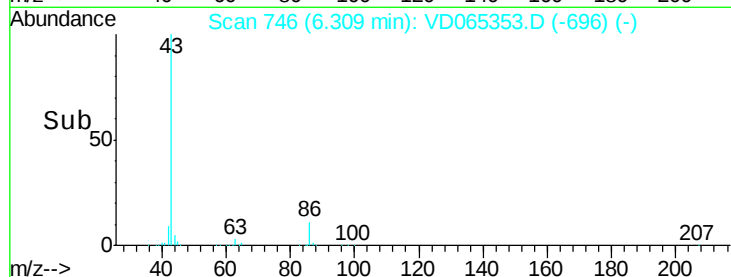
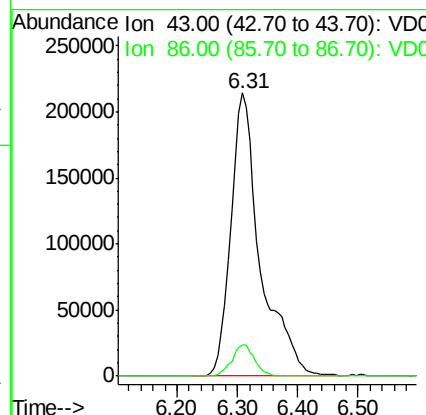
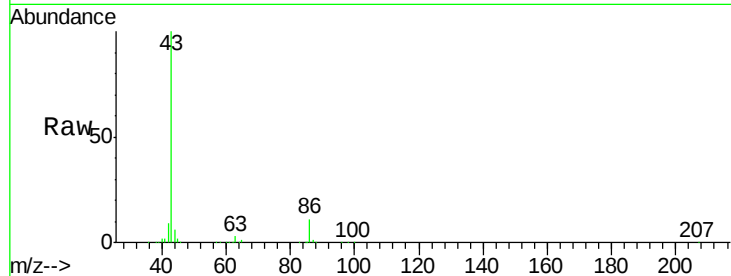
#23
 Vinyl Acetate
 Concen: 100.494 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
43	100	729858		
86	11.0		8.6	12.8

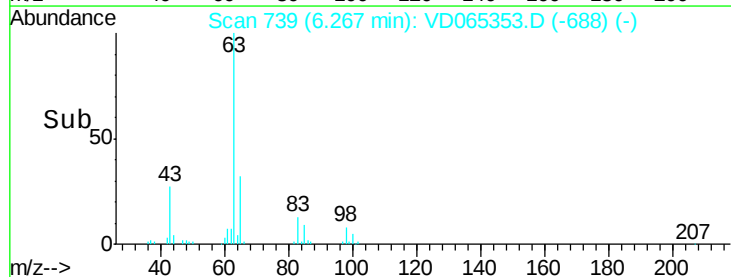
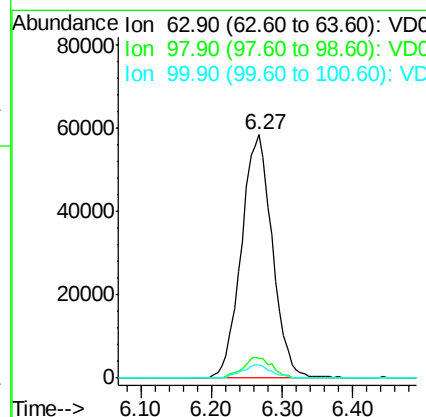
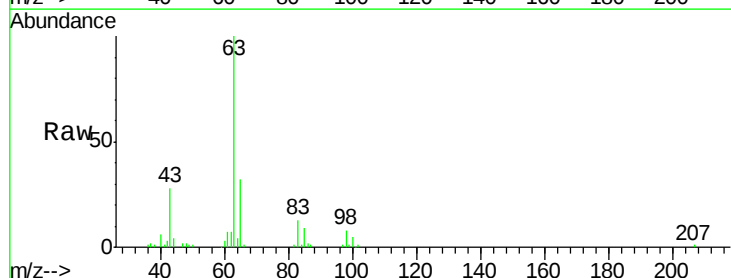
Manual Integrations
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#24
 1,1-Dichloroethane
 Concen: 21.800 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	178132		
98	8.2		3.4	10.1
100	5.4		2.3	6.8





#25

2-Butanone

Concen: 97.649 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tot Ion: 43 Resp: 123316

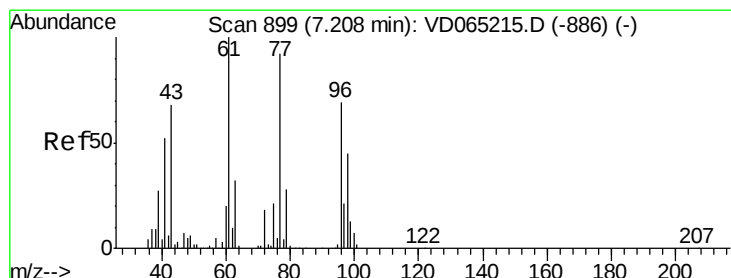
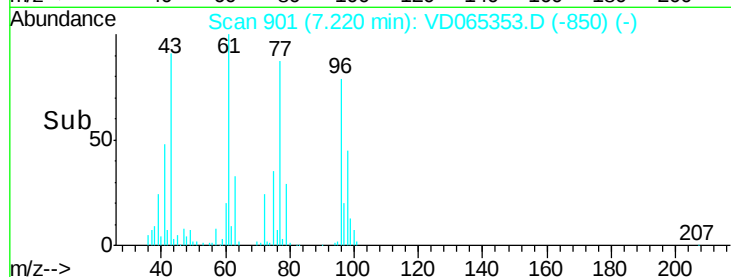
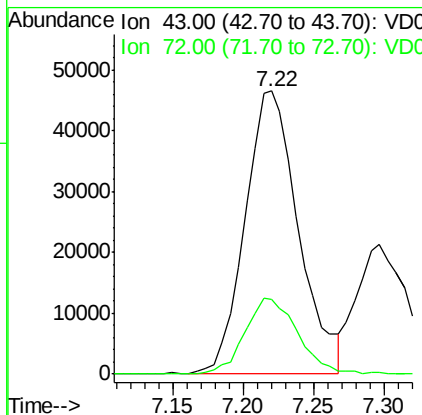
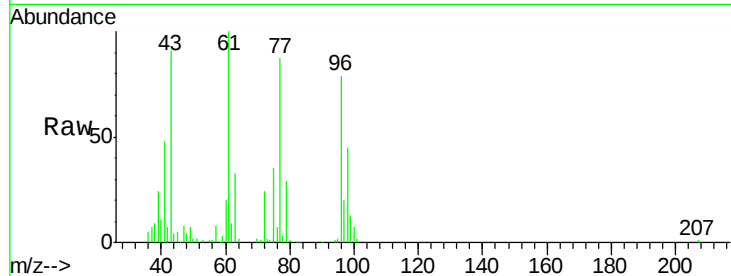
Ion Ratio Lower Upper

43 100

72 26.5 20.9 31.3

Manual Integrations
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MMDadoda
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#26

2,2-Dichloropropane

Concen: 21.765 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065353.D

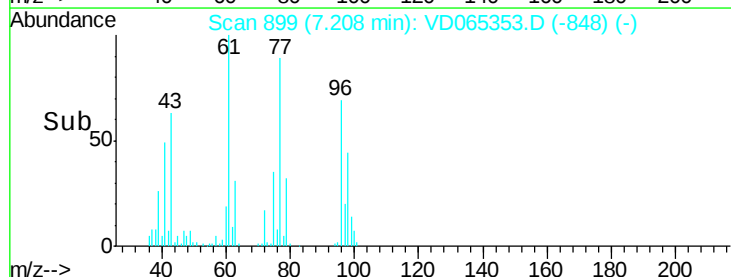
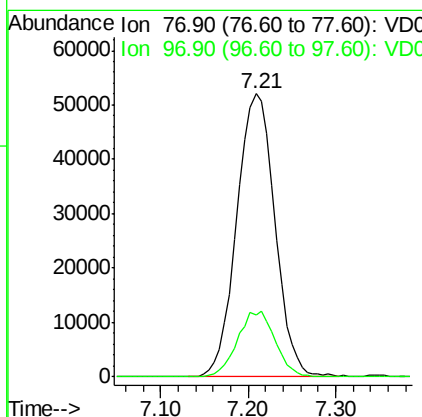
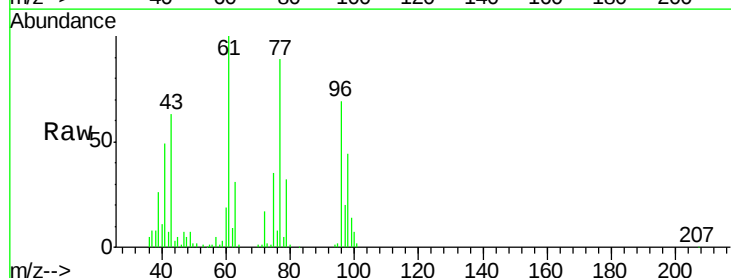
Acq: 28 Feb 2020 11:41

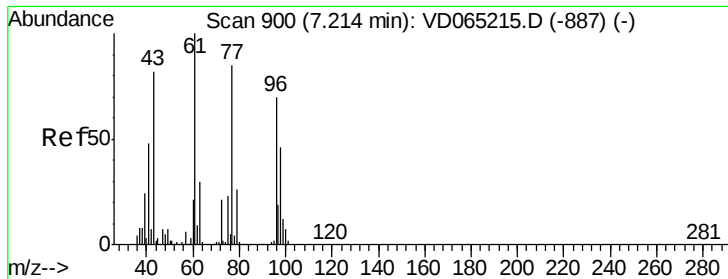
Tgt Ion: 77 Resp: 154304

Ion Ratio Lower Upper

77 100

97 22.9 11.7 35.1





#27

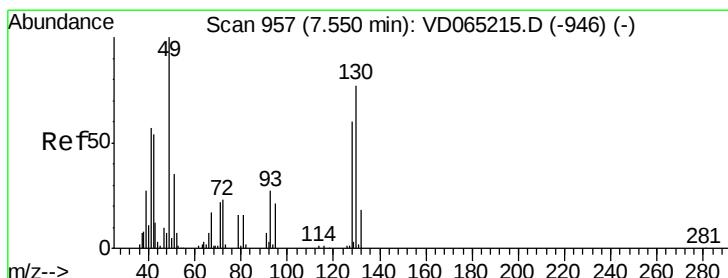
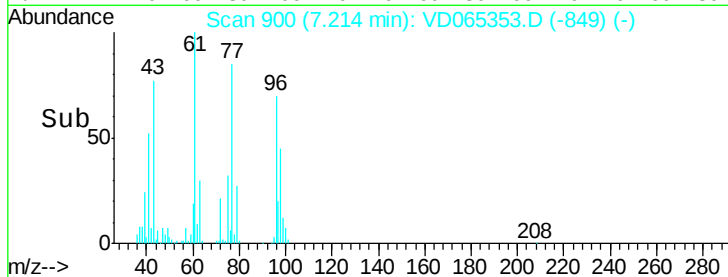
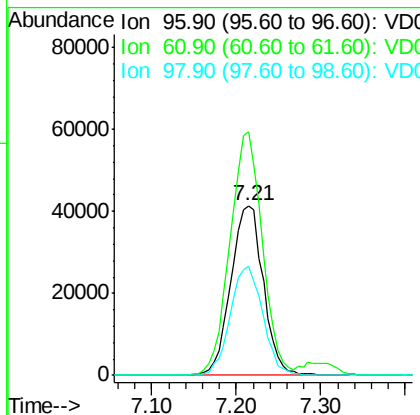
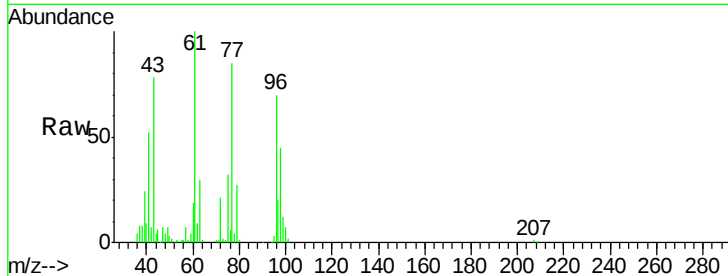
cis-1,2-Dichloroethene
Concen: 21.736 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	110144		
61	142.1	0.0	286.0	
98	64.0	0.0	127.8	

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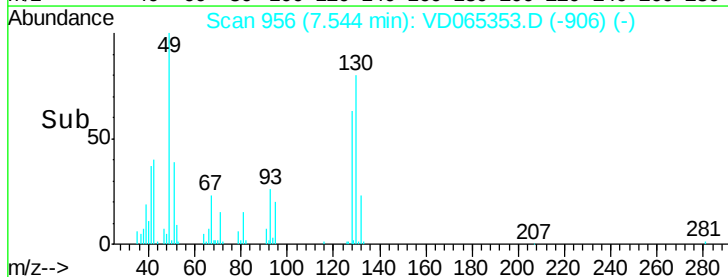
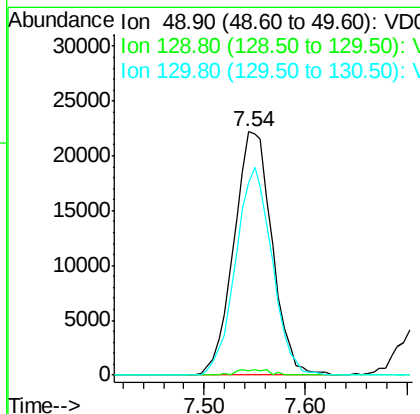
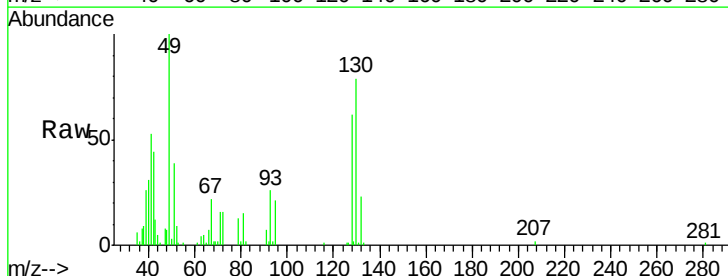
MMDadoda
3/2/2020 10:35:31 AM

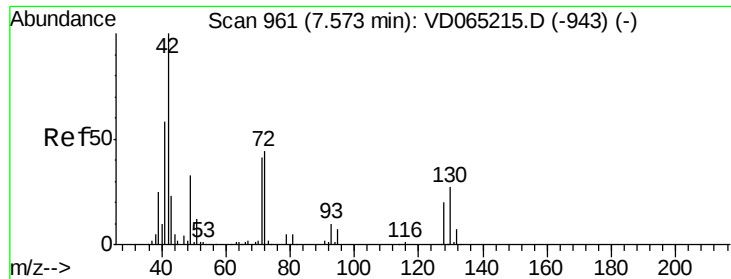


#28

Bromochloromethane
Concen: 19.140 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	58024		
129	0.9	0.0	4.6	
130	81.6	64.7	97.1	





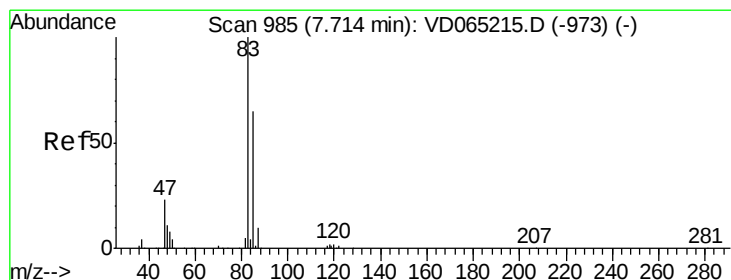
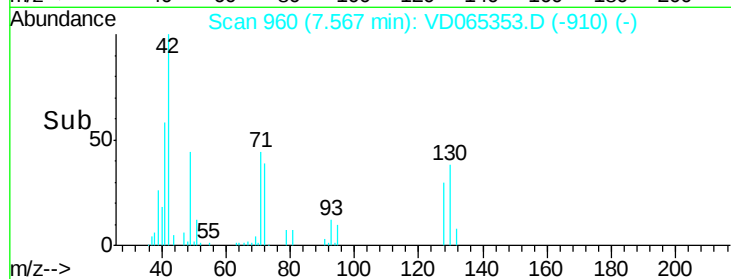
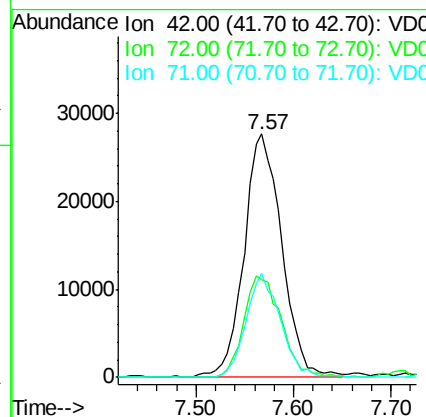
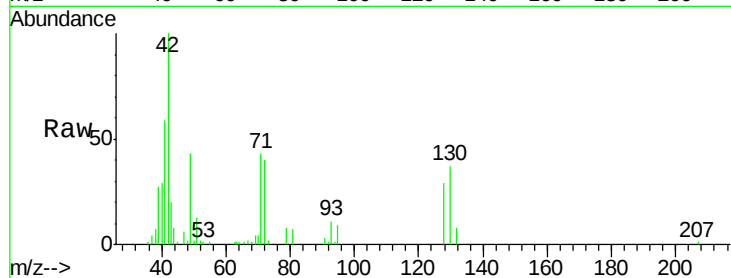
#29
Tetrahydrofuran
Concen: 101.305 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.2	33.7	50.5
71	39.1	31.4	47.2

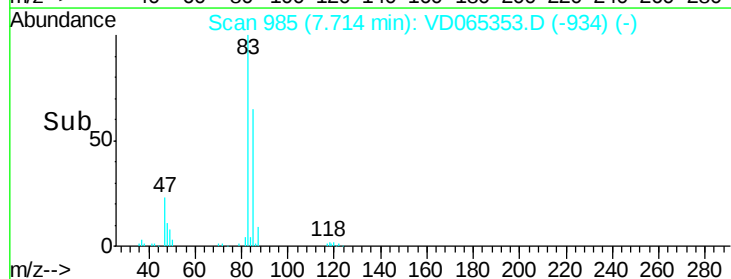
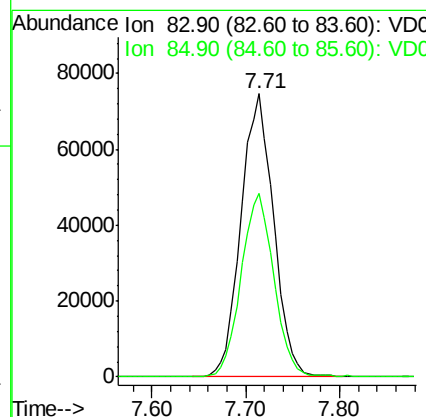
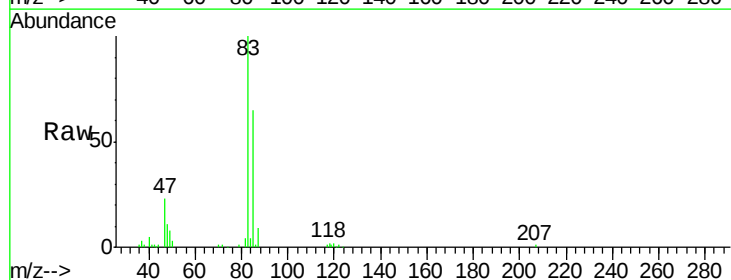
Manual Integrations
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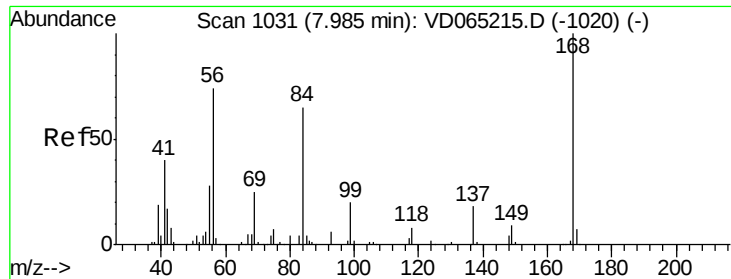
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3/2/2020 10:35:31 AM



#30
Chloroform
Concen: 21.891 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





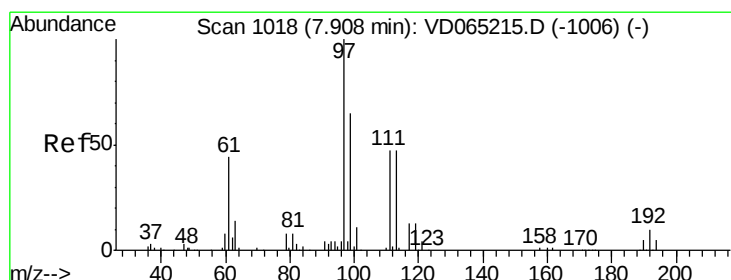
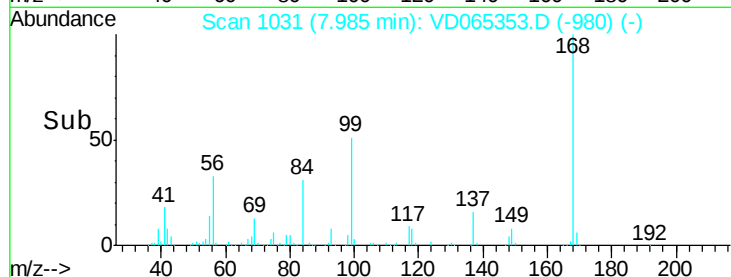
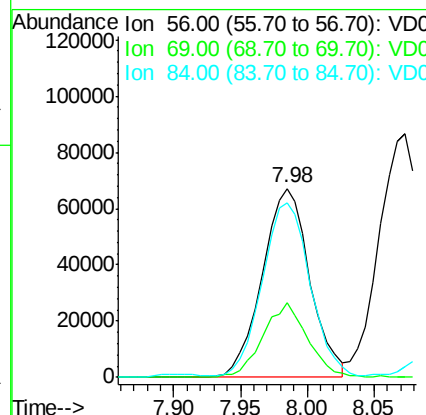
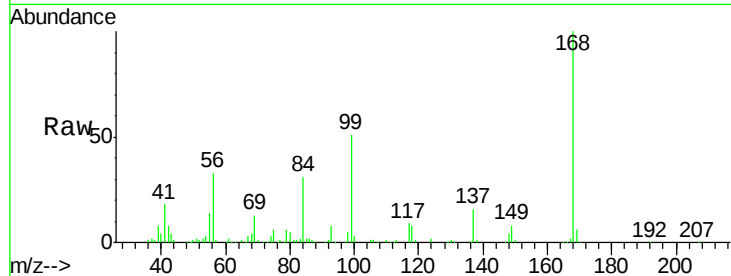
#31
Cyclohexane
Concen: 20.640 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.3	27.4	41.0
84	91.3	71.1	106.7

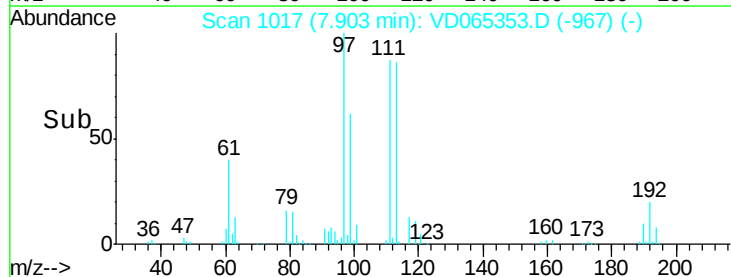
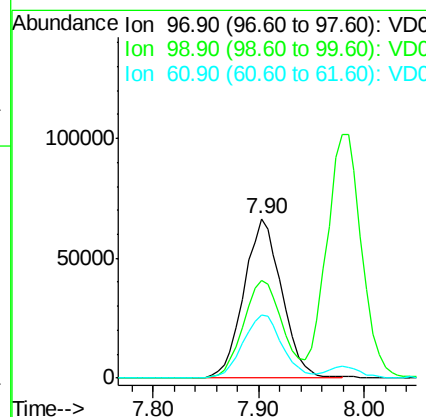
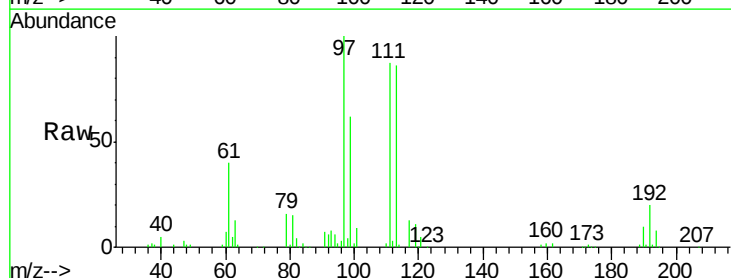
Manual Integrations
APPROVED

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#32
1,1,1-Trichloroethane
Concen: 22.401 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	41.4	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 52.644 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tot Ion: 65 Resp: 214956

Ion Ratio Lower Upper

65 100

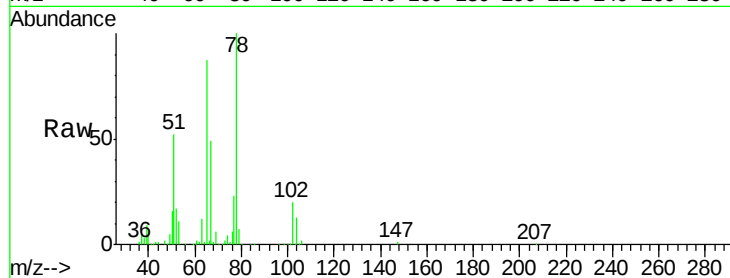
67 54.8 0.0 106.8

Manual Integrations

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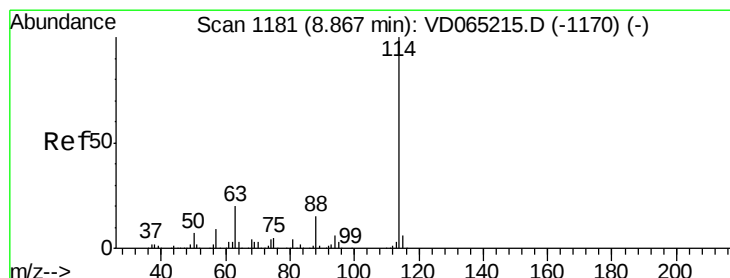
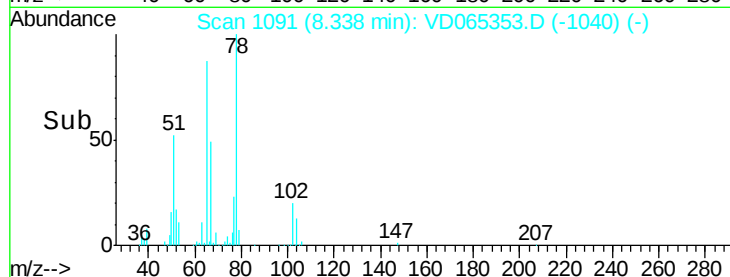
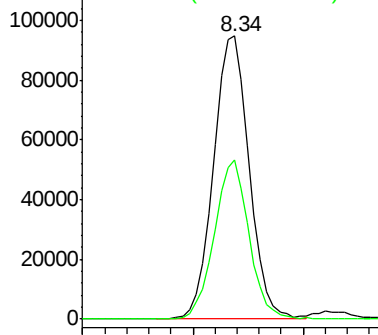
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

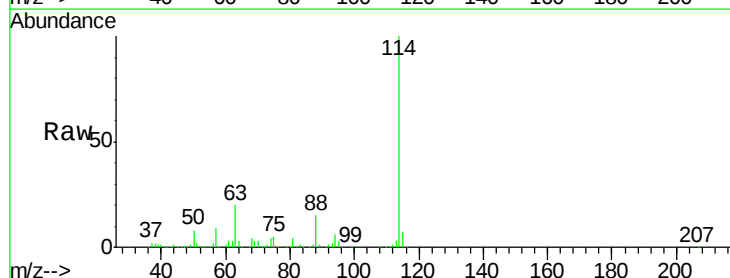
Tgt Ion: 114 Resp: 661917

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

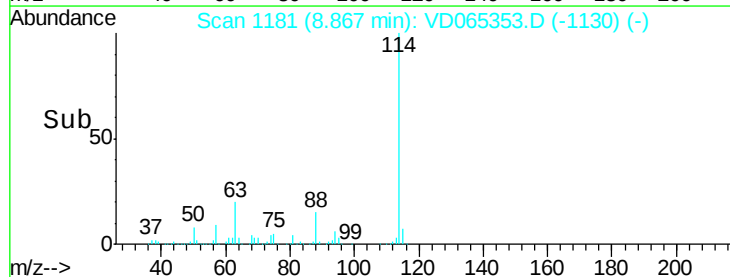
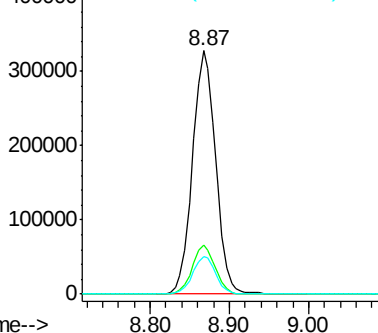
88 15.5 0.0 30.4

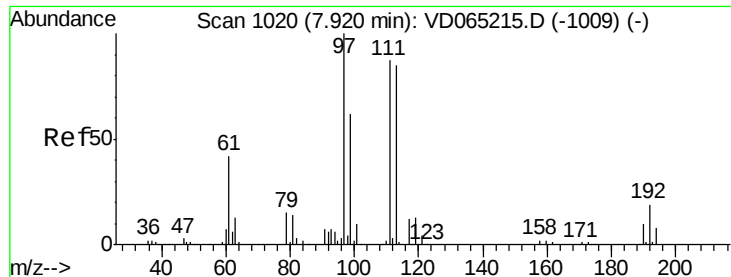


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





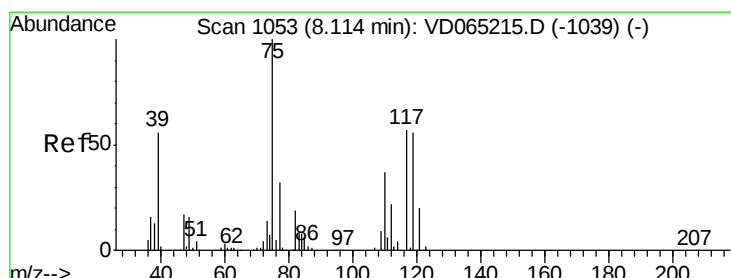
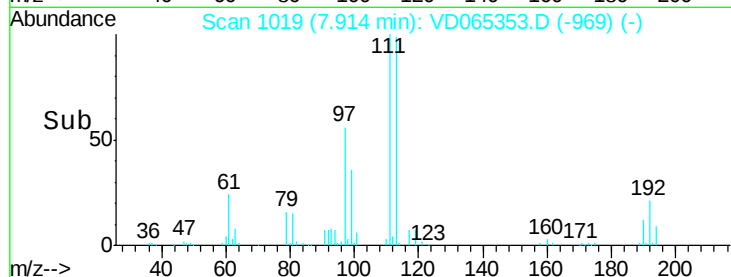
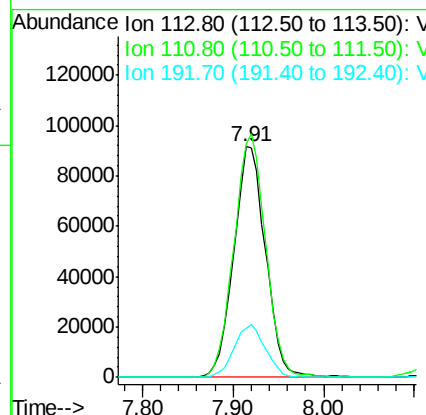
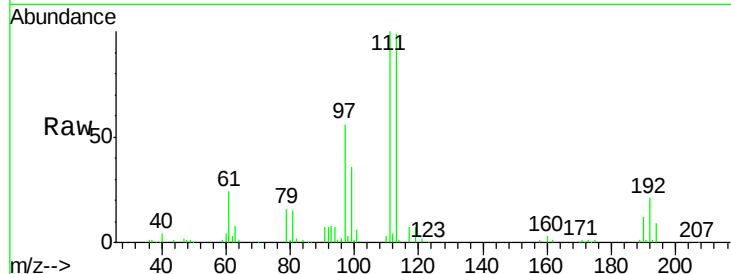
#35
Dibromofluoromethane
Concen: 55.232 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	222916		
111	105.3	82.9	124.3	
192	22.7	17.3	25.9	

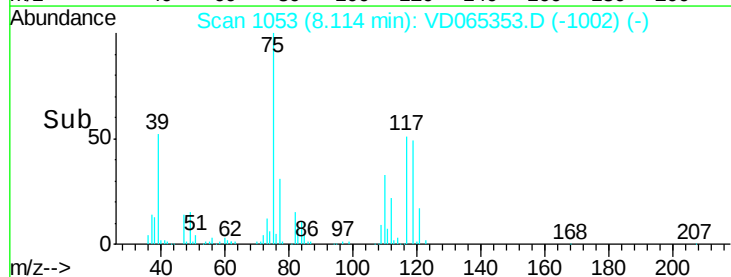
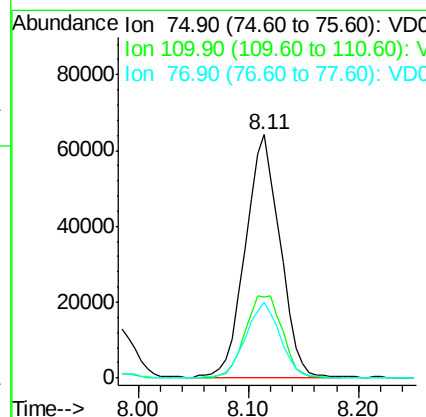
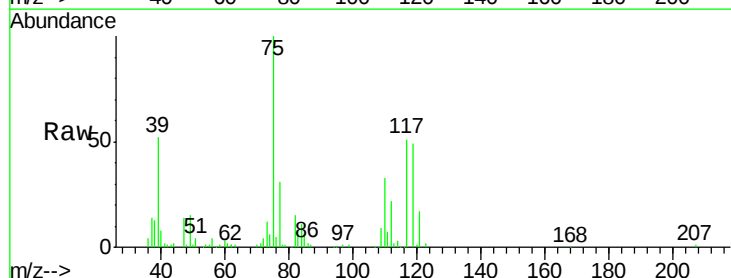
Manual Integrations
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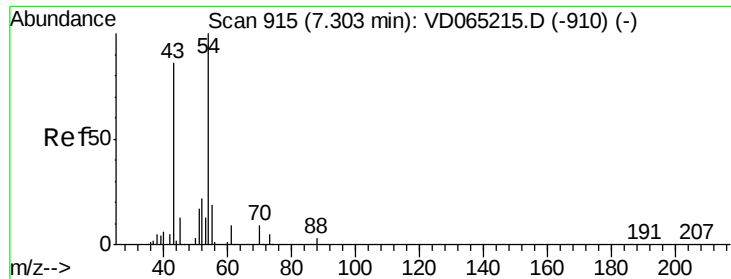
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#36
1,1-Dichloropropene
Concen: 21.972 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141508		
110	36.9	17.9	53.7	
77	31.3	25.1	37.7	





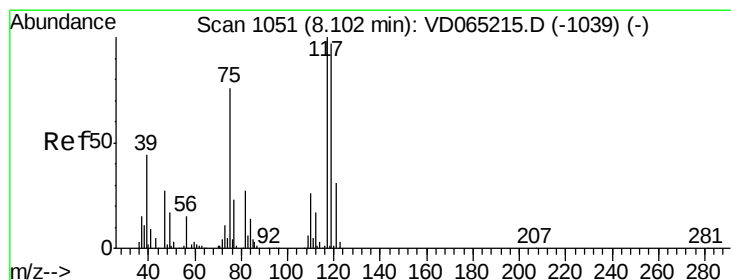
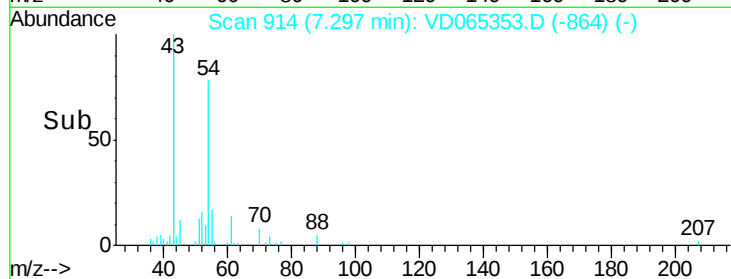
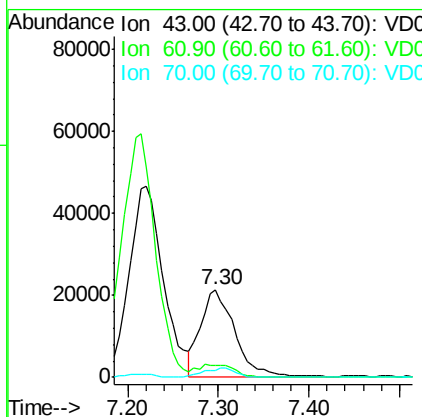
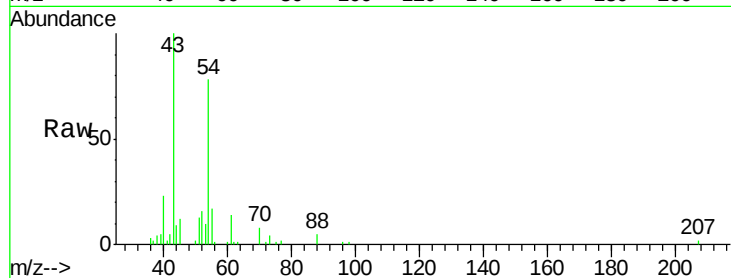
#37
Ethyl Acetate
Concen: 21.073 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	9.7	8.2	12.2

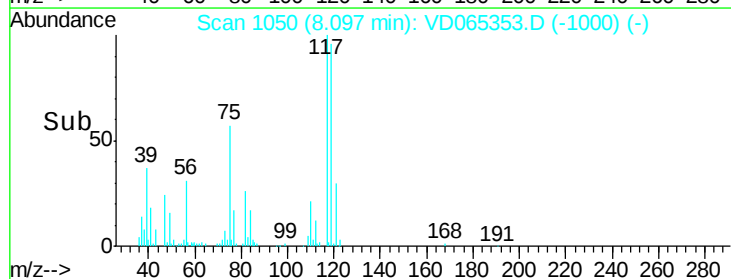
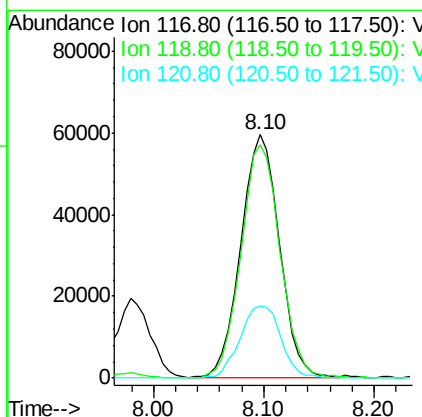
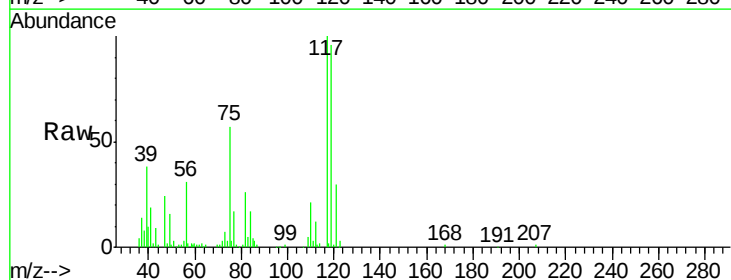
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3/2/2020 10:35:31 AM



#38
Carbon Tetrachloride
Concen: 22.207 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.6	116.4
121	29.9	24.8	37.2





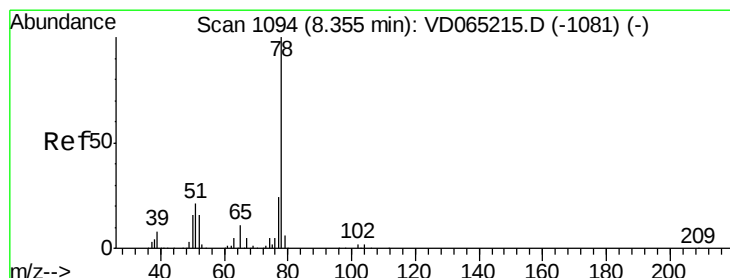
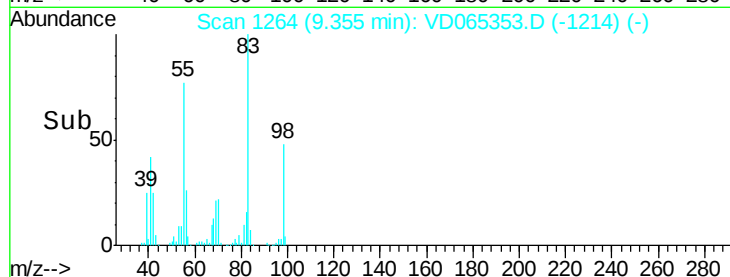
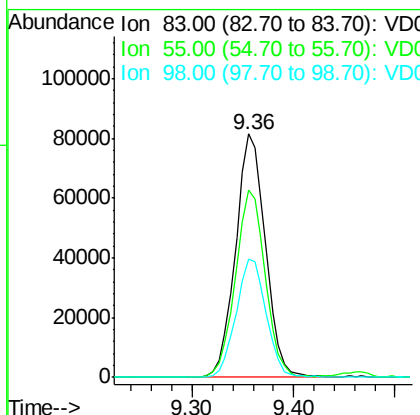
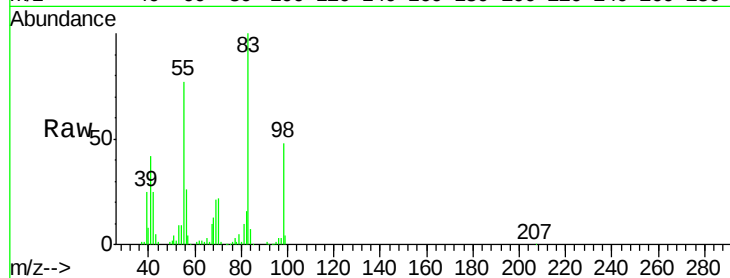
#39
Methvlcvclohexane
Concen: 22.016 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	61.8	92.6
98	48.5	39.4	59.0

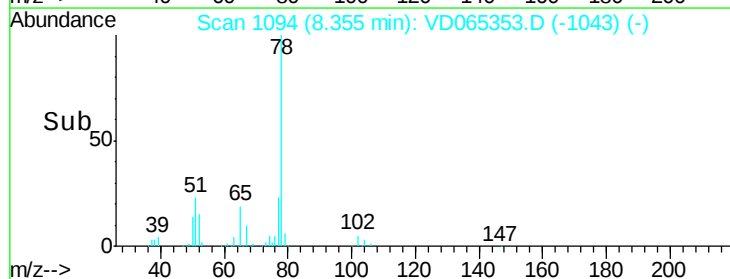
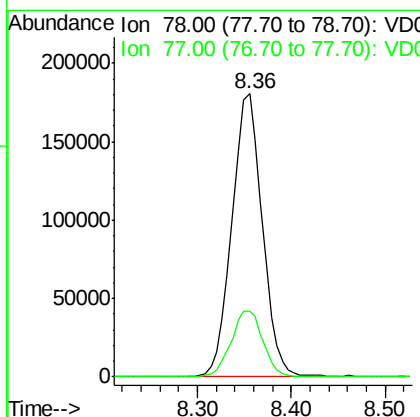
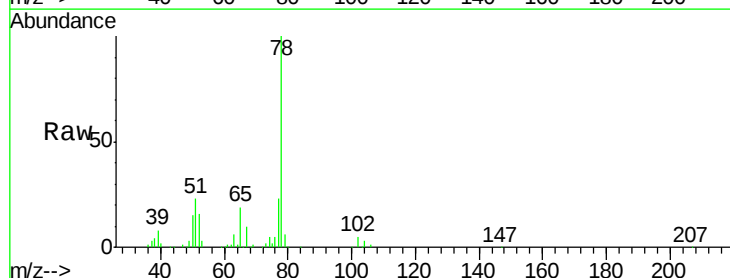
Manual Integrations
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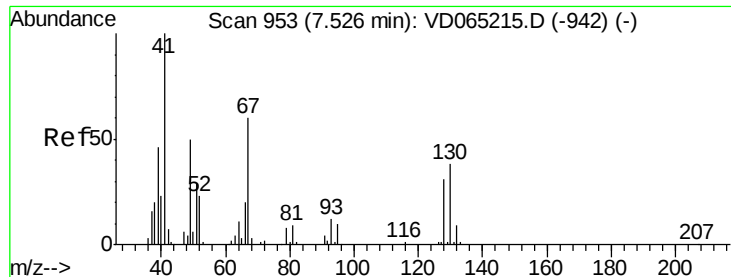
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#40
Benzene
Concen: 22.350 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.6





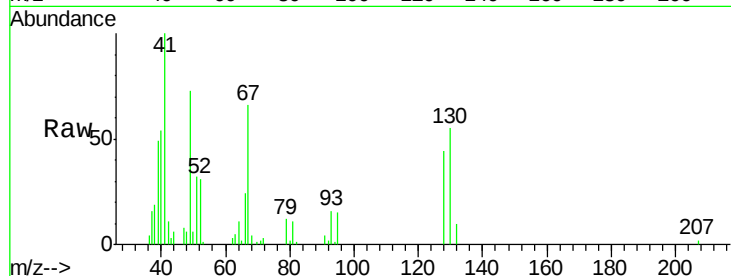
#41
Methacrylonitrile
Concen: 20.166 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

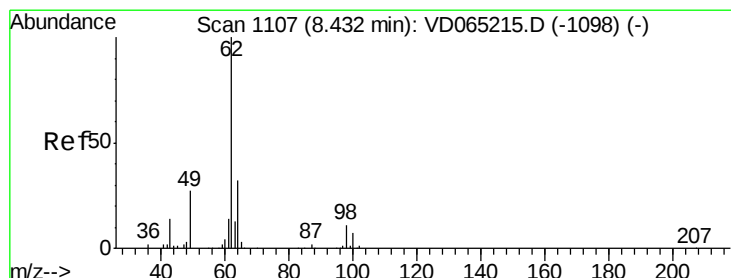
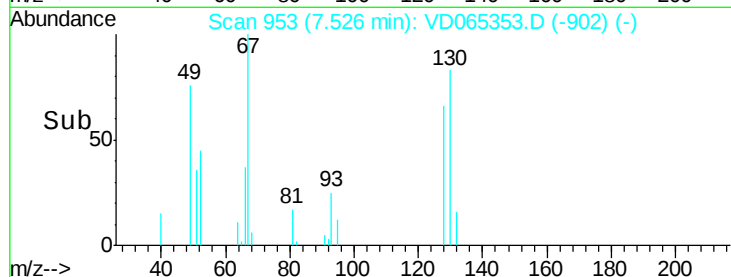
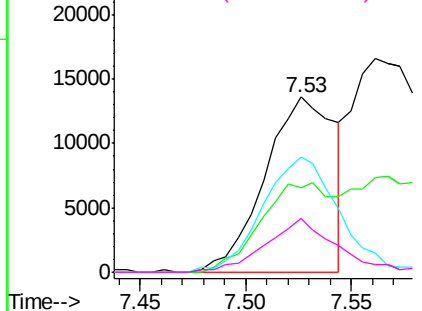
Tot Ion	Ion	Ratio	Lower	Upper
31350	41	100		
	39	53.7	48.1	72.1
	67	71.5	58.9	88.3
	52	31.2	24.2	36.2

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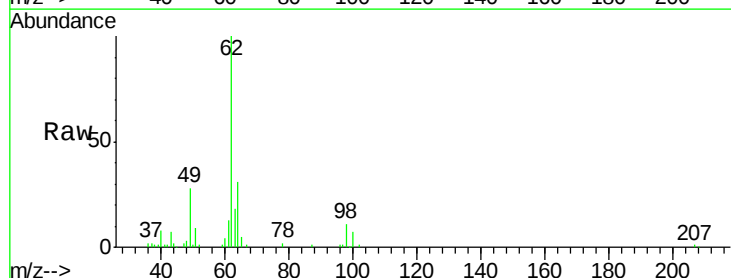


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

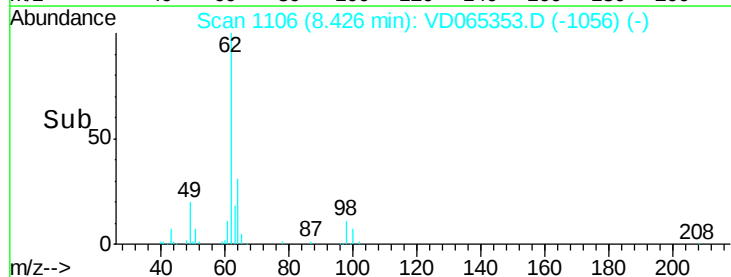
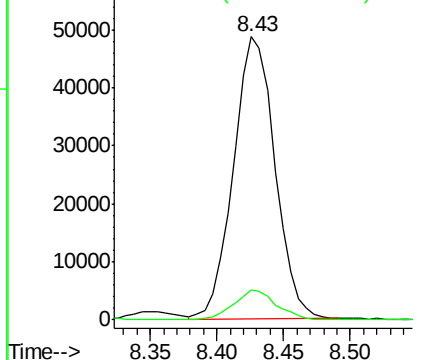


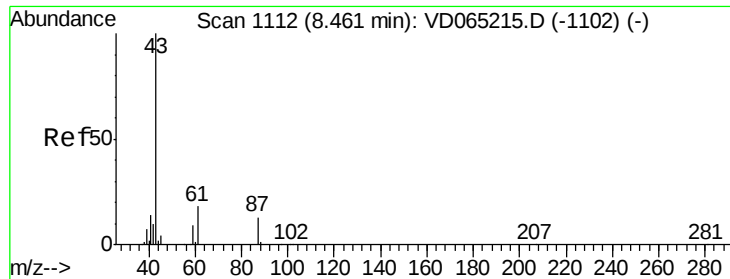
#42
1,2-Dichloroethane
Concen: 20.992 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ion	Ratio	Lower	Upper
104911	62	100		
	98	10.9	0.0	20.6



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





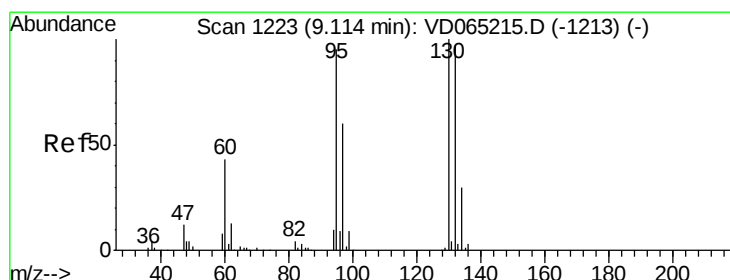
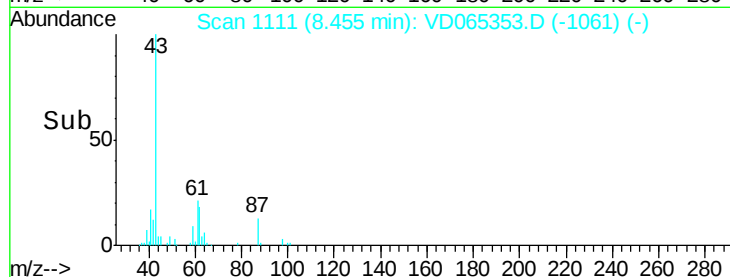
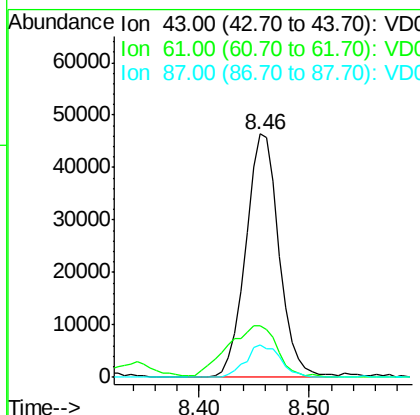
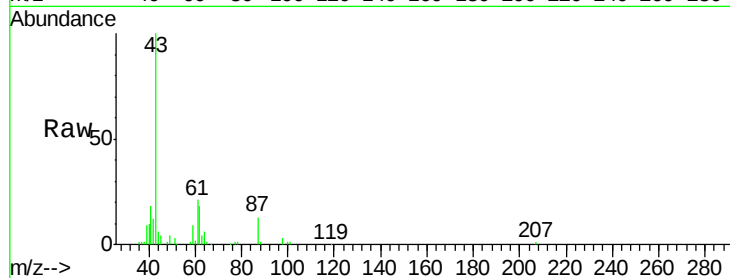
#43
Isopropyl Acetate
Concen: 20.076 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.6	24.6	36.8
87	13.7	10.6	16.0

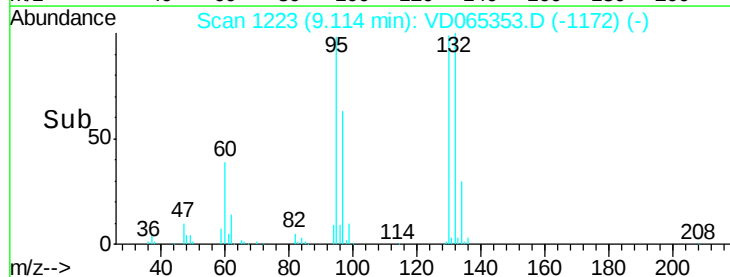
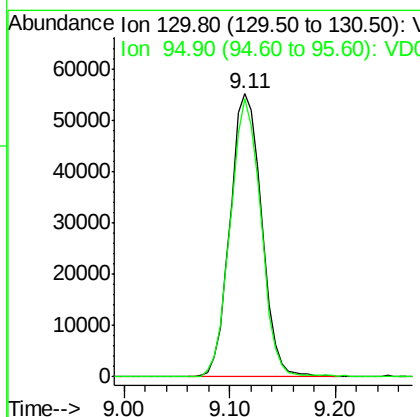
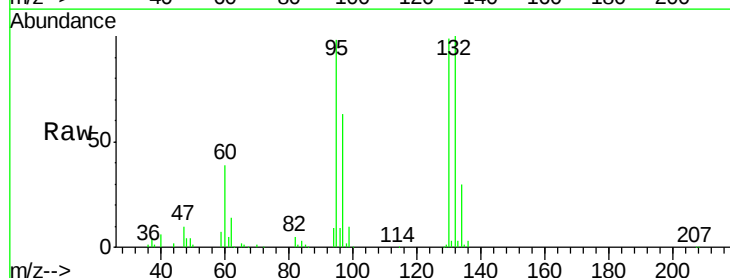
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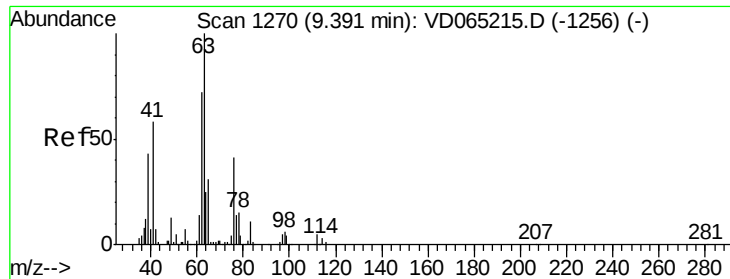
MMDadoda
3/2/2020 10:35:31 AM



#44
Trichloroethene
Concen: 22.540 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	190.6





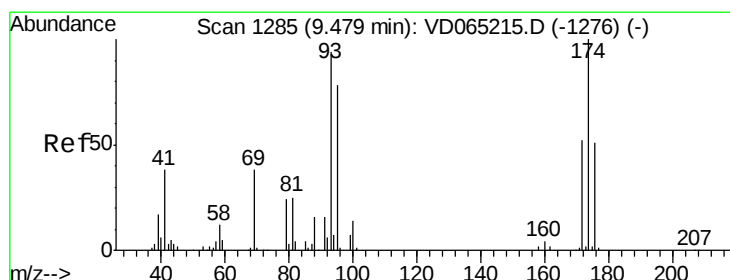
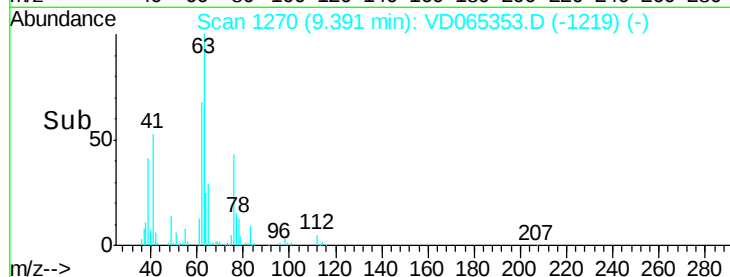
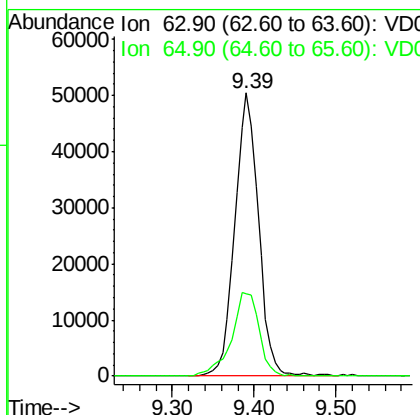
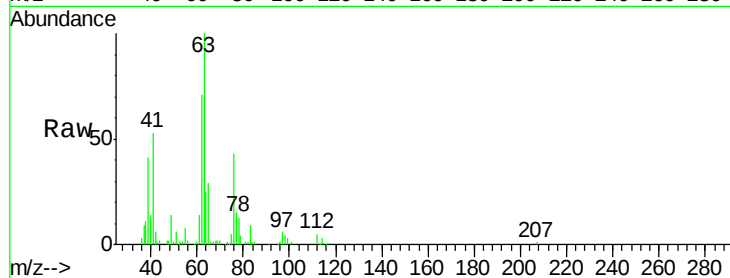
#45
 1,2-Dichloropropane
 Concen: 22.550 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.3	24.9	37.3

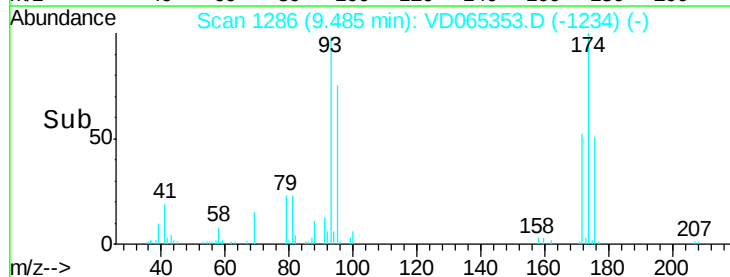
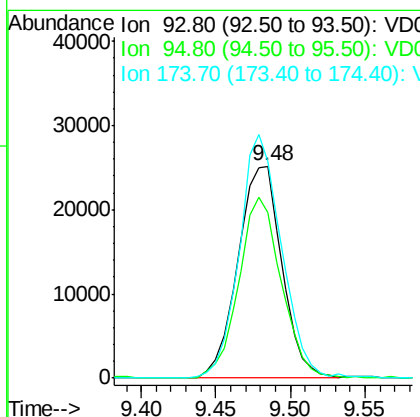
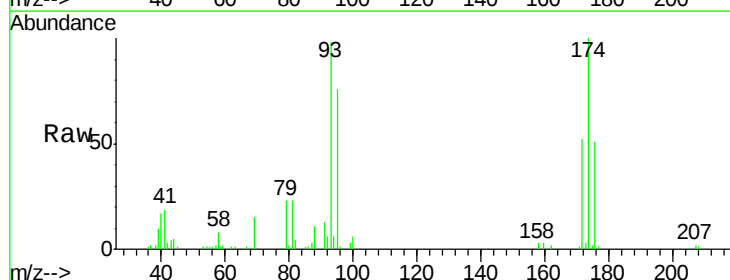
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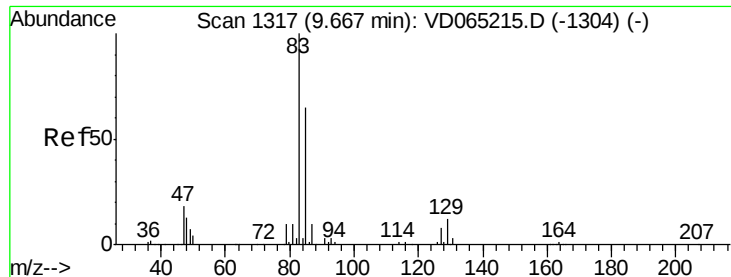
MMDadoda
 3/2/2020 10:35:31 AM



#46
 Dibromomethane
 Concen: 22.094 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.7	65.8	98.6
174	110.5	86.8	130.2





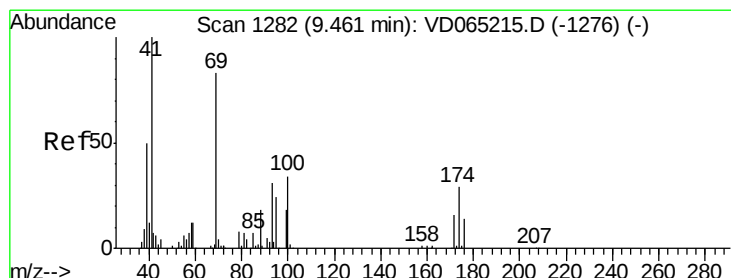
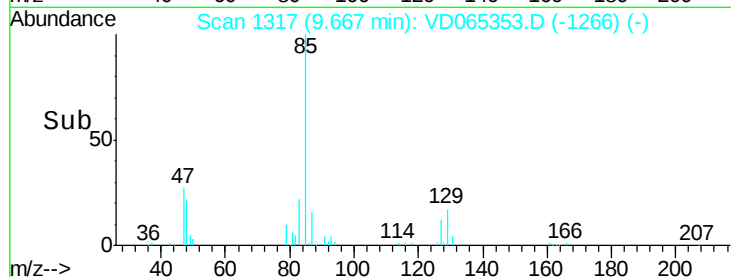
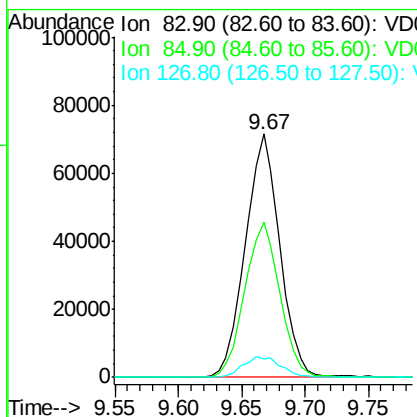
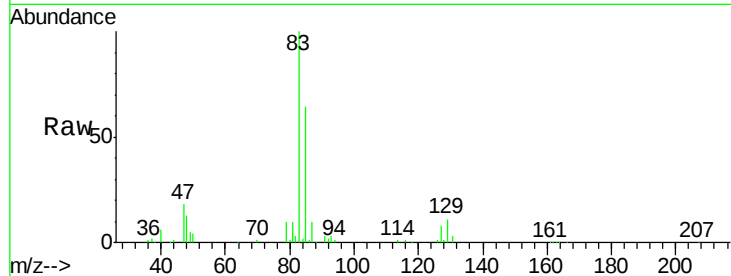
#47
Bromodichloromethane
Concen: 22.127 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.7	52.0	78.0	
127	7.6	6.7	10.1	

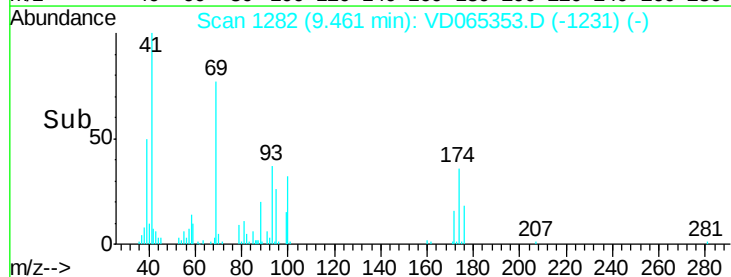
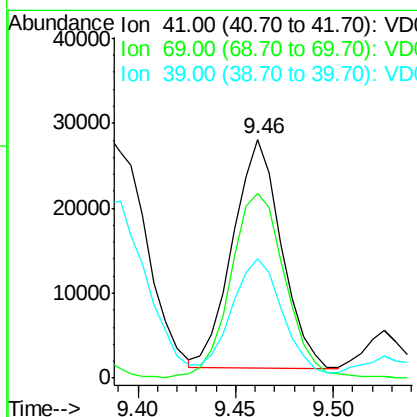
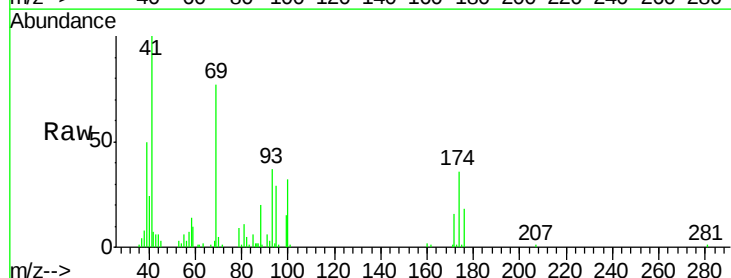
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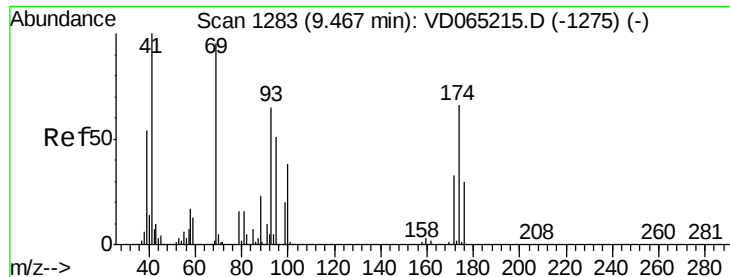
MMDadoda
3/2/2020 10:35:31 AM



#48
Methyl methacrylate
Concen: 20.418 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	91.1	68.2	102.2	
39	51.9	42.0	63.0	





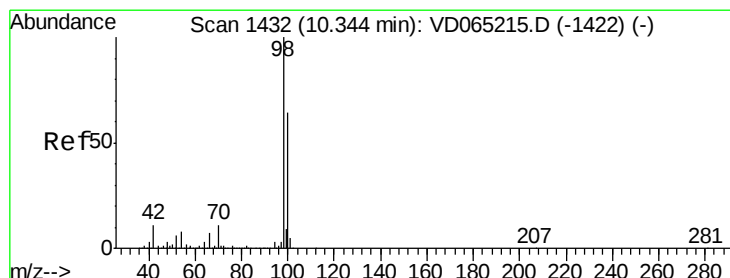
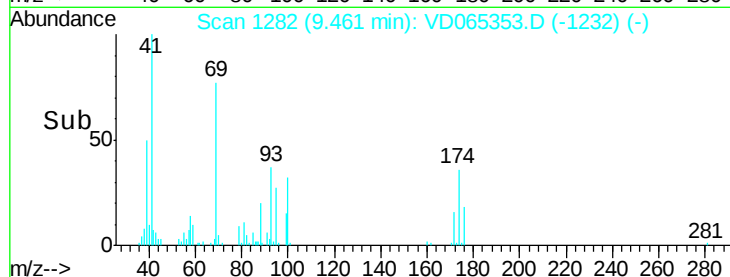
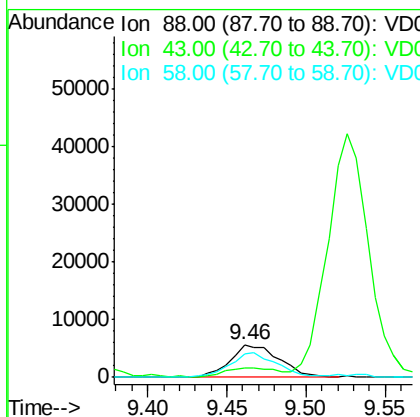
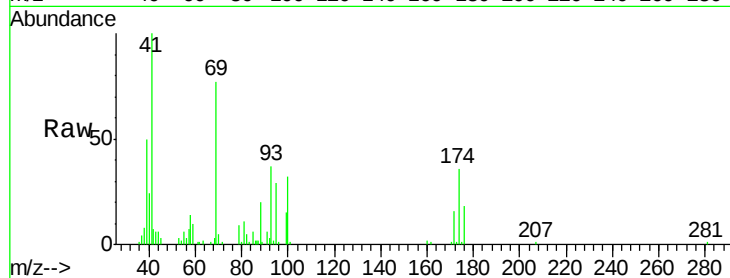
#49
 1,4-Dioxane
 Concen: 438.410 ug/l
 RT: 9.46 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.4	28.5	42.7#
58	74.2	58.6	87.8

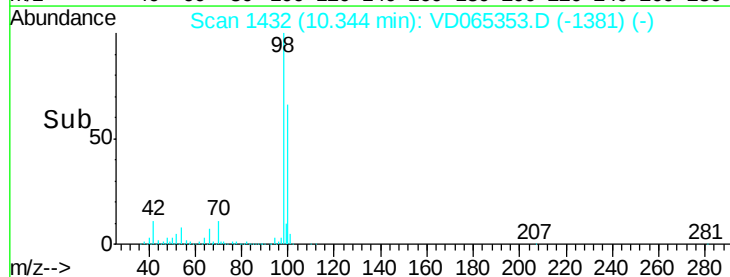
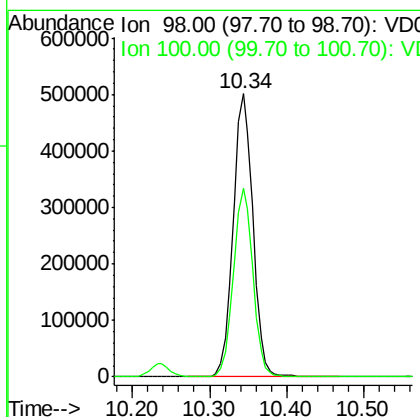
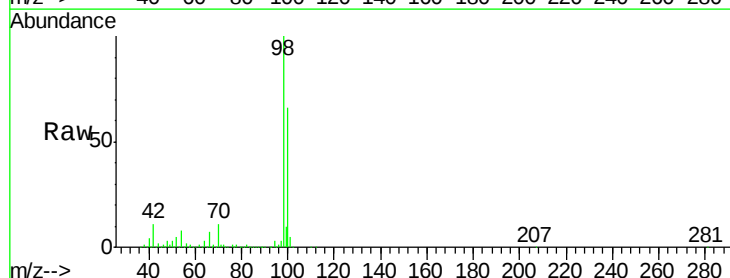
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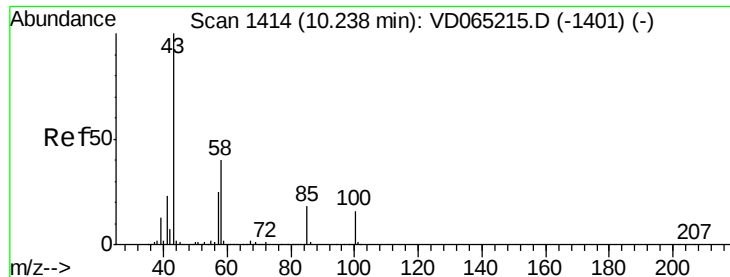
MMDadoda
 3/2/2020 10:35:31 AM



#50
 Toluene-d8
 Concen: 58.411 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.7	52.0	78.0





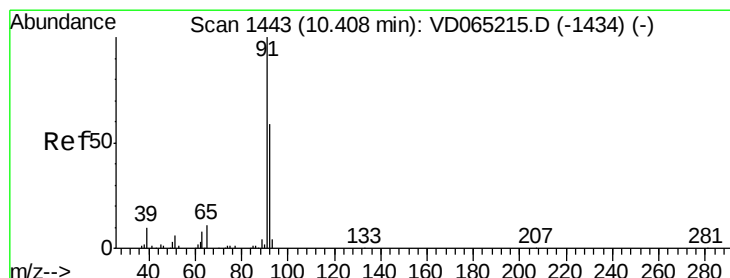
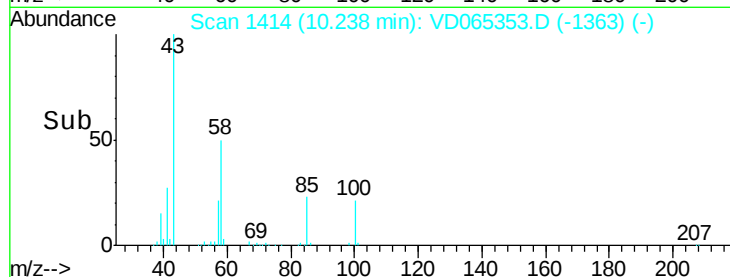
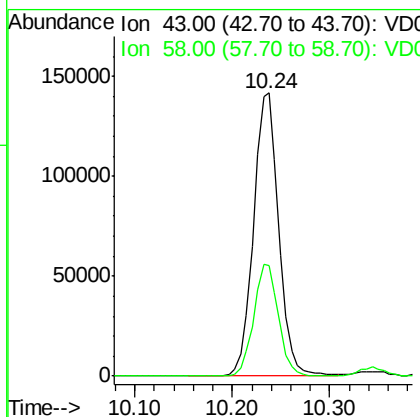
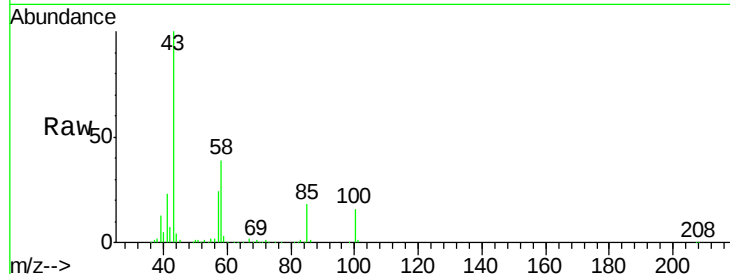
#51
4-Methyl-2-Pentanone
Concen: 104.009 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	43	Resp	258649
Ion Ratio	100	Lower	Upper
43	100		
58	38.8	31.1	46.7

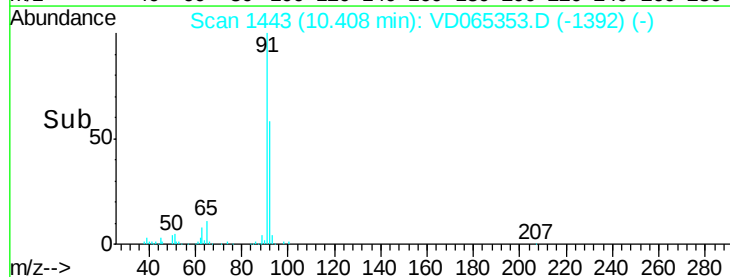
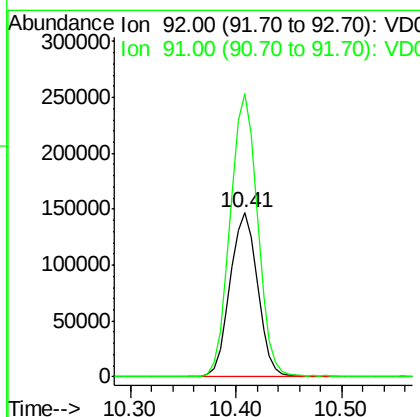
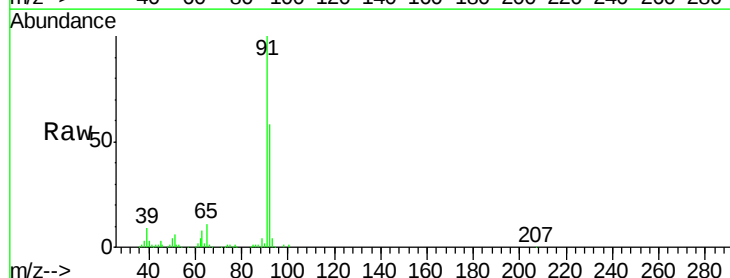
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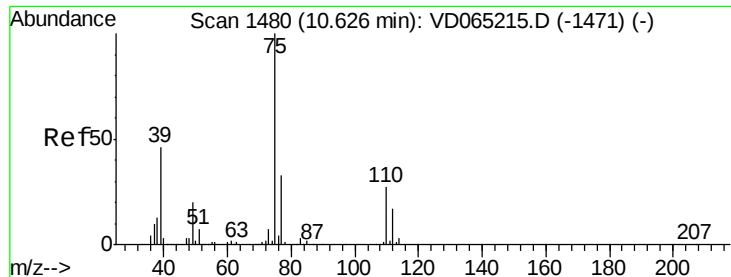
MMDadoda
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#52
Toluene
Concen: 23.581 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	92	Resp	265343
Ion Ratio	100	Lower	Upper
92	100		
91	170.5	136.3	204.5





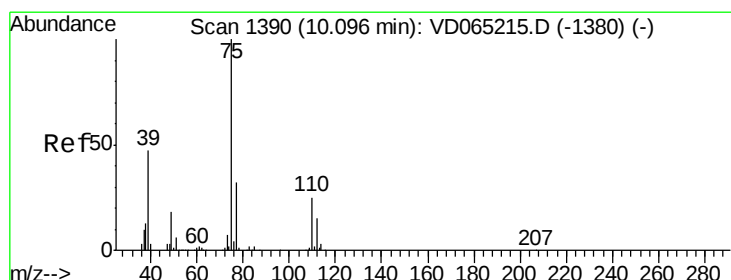
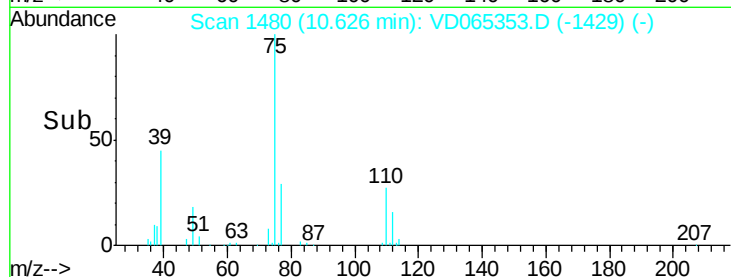
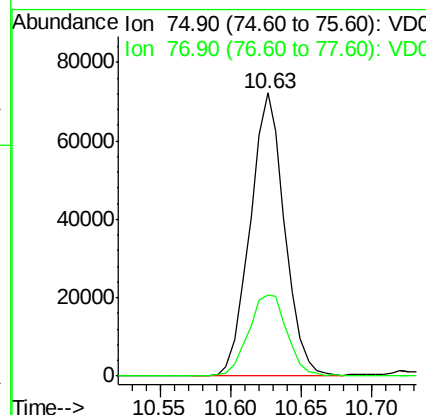
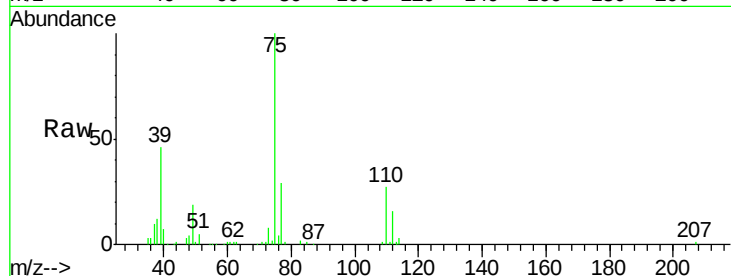
#53
t-1,3-Dichloropropene
Concen: 21.765 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	28.8	26.6	40.0

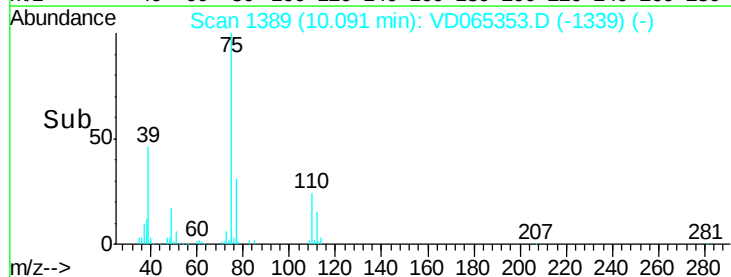
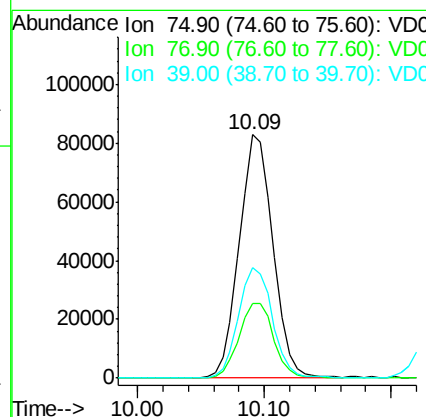
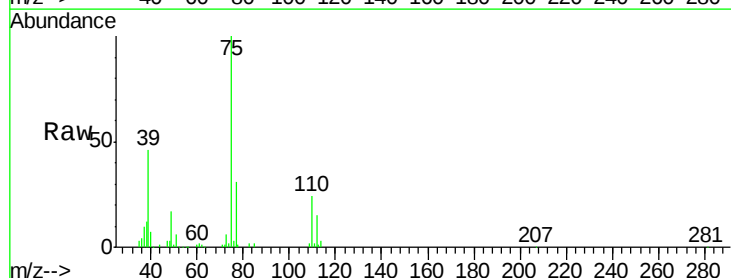
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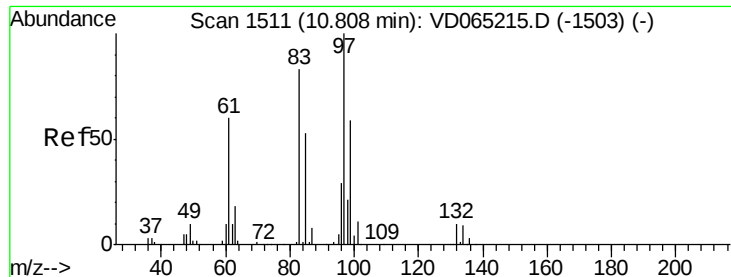
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#54
cis-1,3-Dichloropropene
Concen: 22.324 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.8	38.8
39	45.4	37.3	55.9





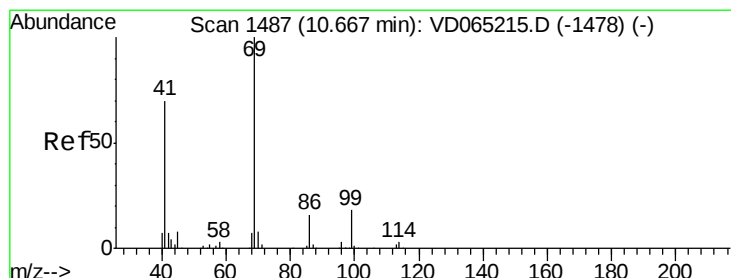
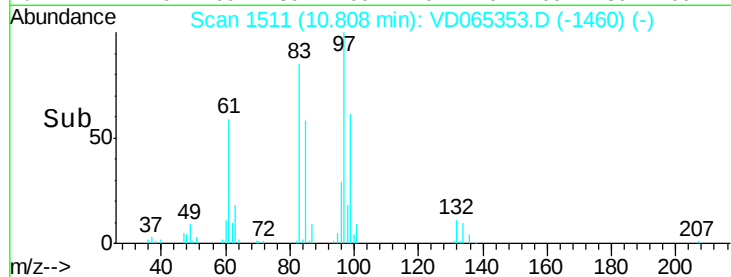
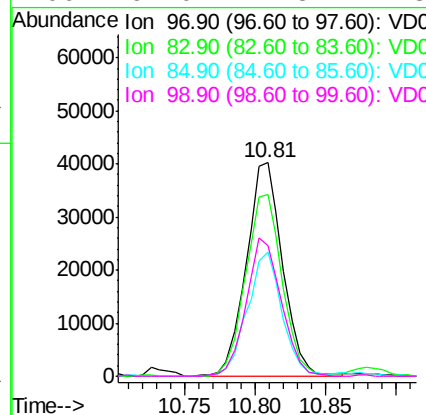
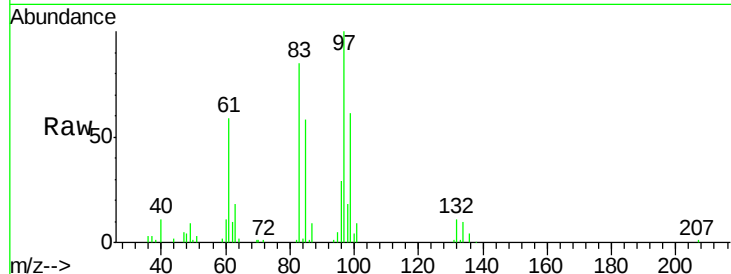
#55
 1,1,2-Trichloroethane
 Concen: 22.143 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion:	97	Resp:	72486
Ion	Ratio	Lower	Upper
97	100		
83	85.0	66.7	100.1
85	58.0	42.4	63.6
99	61.0	47.5	71.3

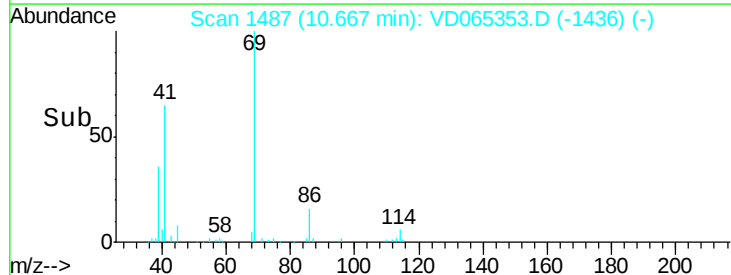
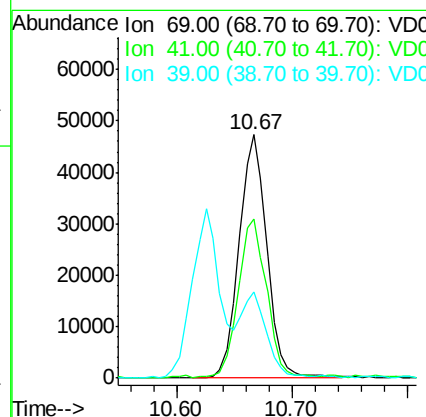
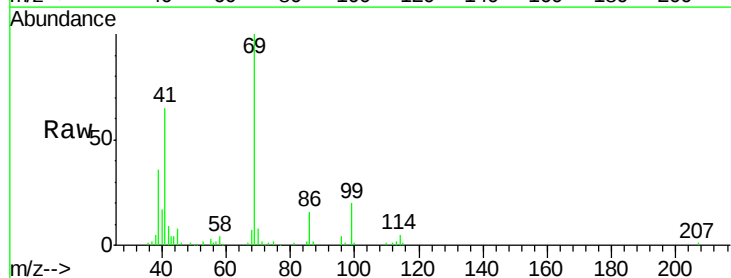
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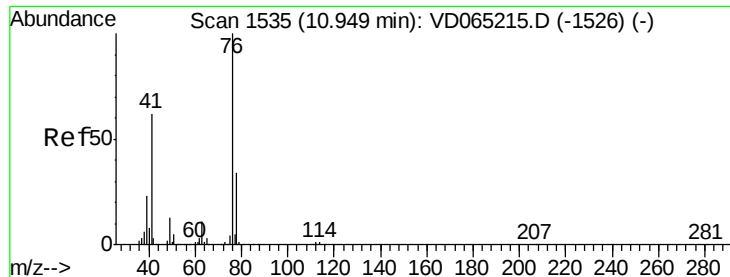
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 3/2/2020 10:35:31 AM



#56
 Ethyl methacrylate
 Concen: 20.870 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion:	69	Resp:	78855
Ion	Ratio	Lower	Upper
69	100		
41	64.8	54.6	81.8
39	31.4	26.5	39.7





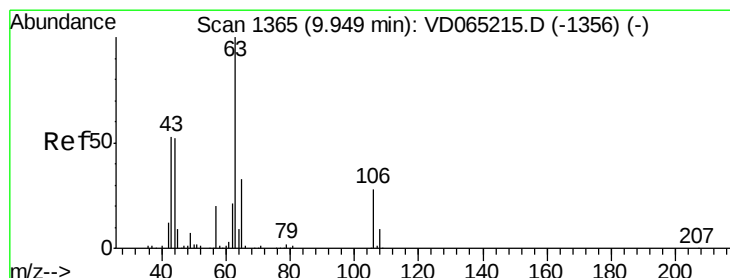
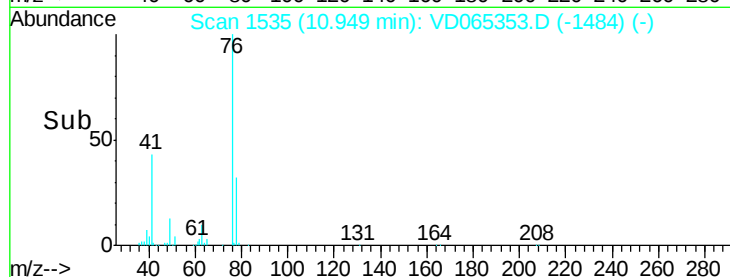
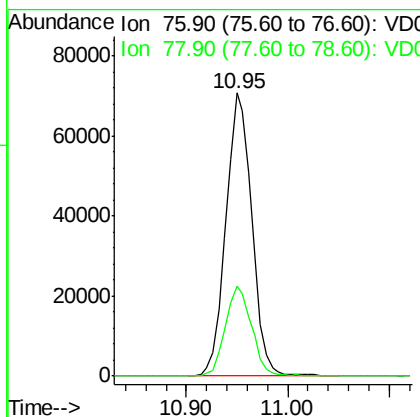
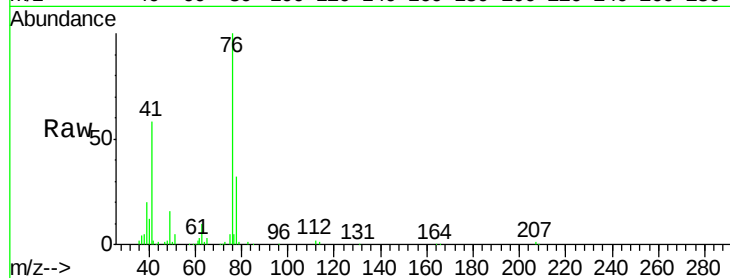
#57
 1,3-Dichloropropane
 Concen: 22.528 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	26.3	39.5

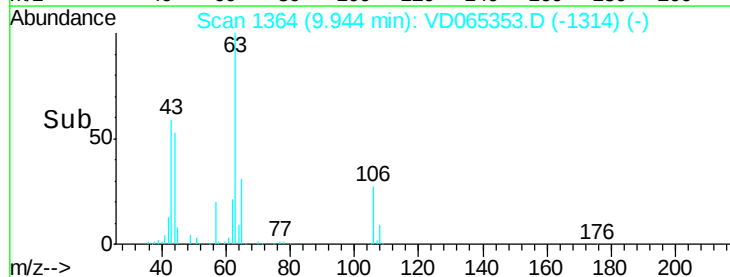
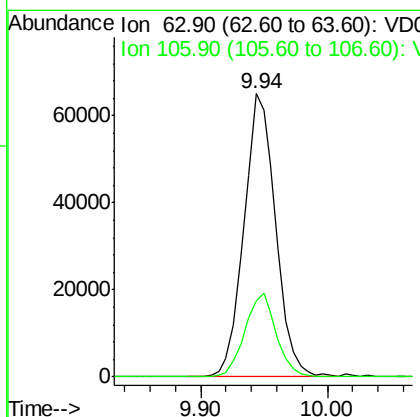
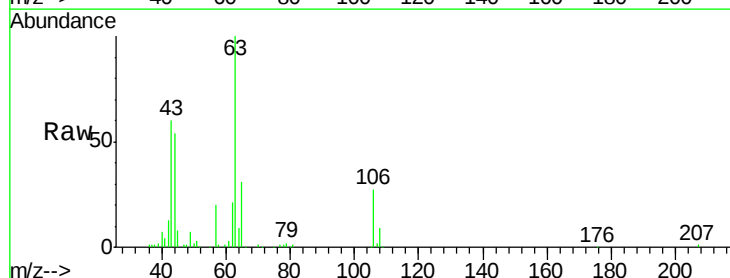
Manual Integrations
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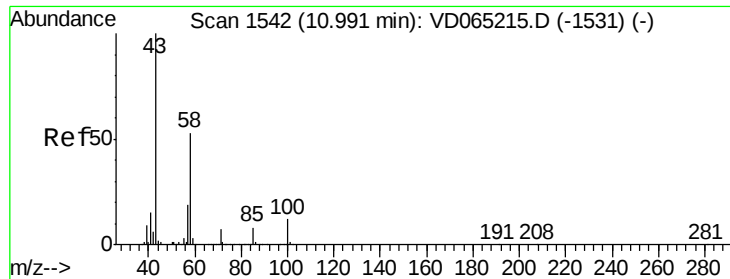
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 3/2/2020 10:35:31 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.029 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.4	22.8	34.2





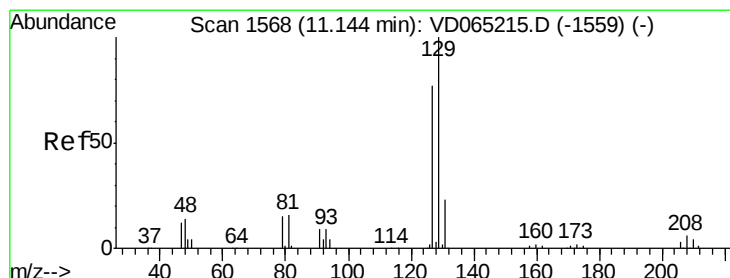
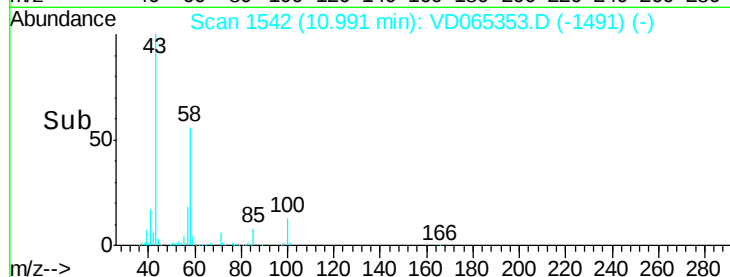
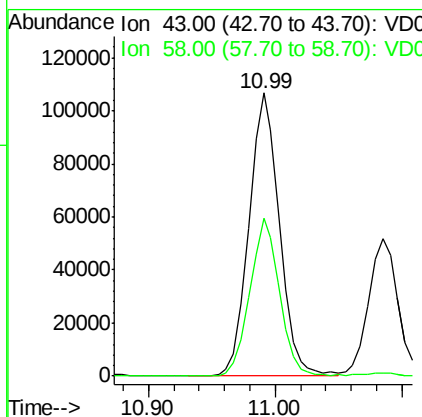
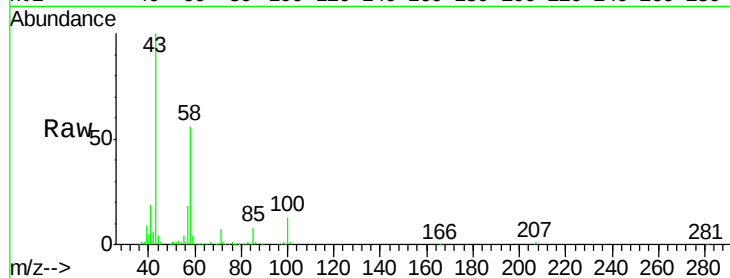
#59
2-Hexanone
Concen: 100.486 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion: 43 Resp: 178880
Ion Ratio Lower Upper
43 100
58 54.2 26.3 78.8

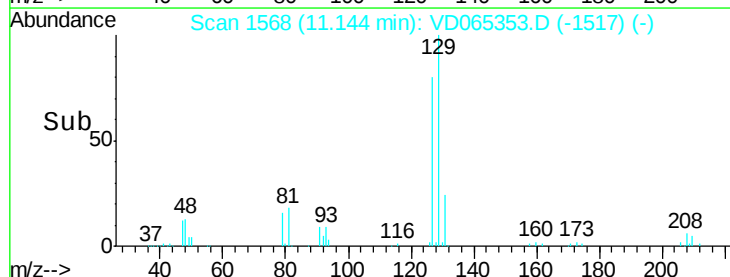
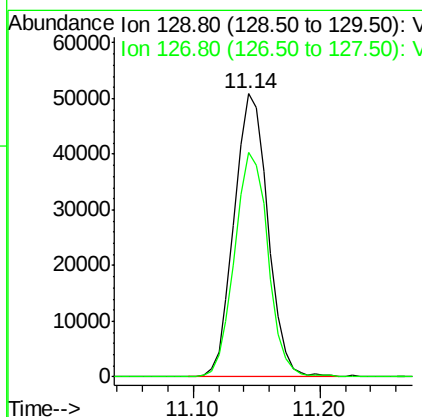
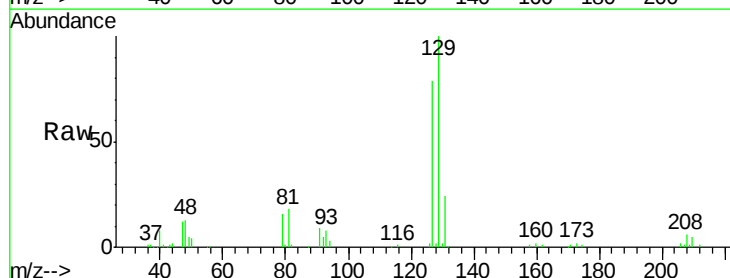
Manual Integrations
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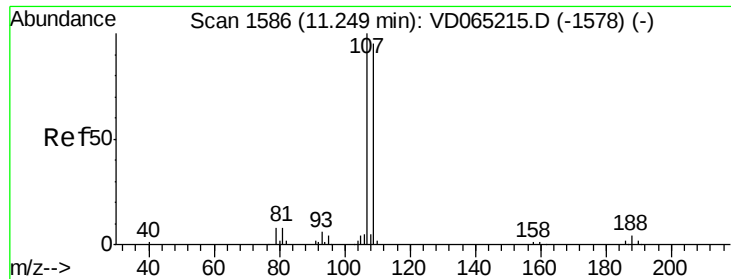
MMDadoda
3/2/2020 10:35:31 AM



#60
Dibromochloromethane
Concen: 22.472 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 129 Resp: 94154
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1





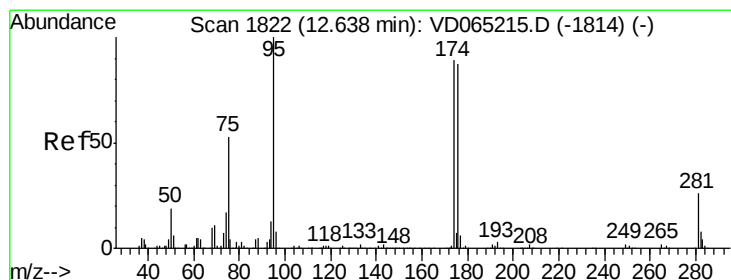
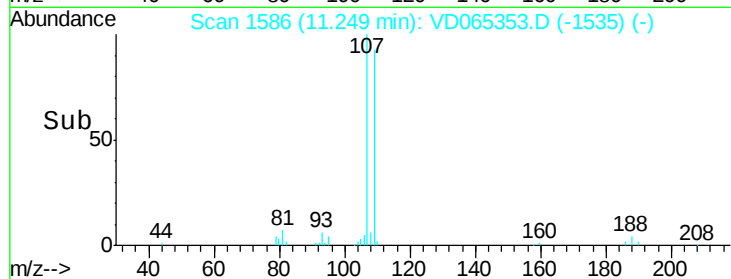
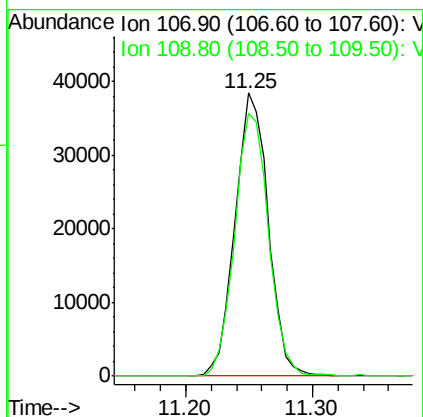
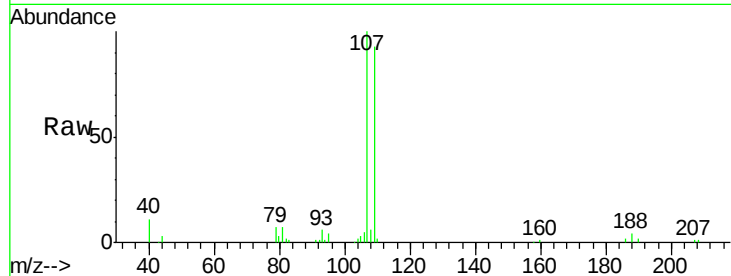
#61
 1,2-Dibromoethane
 Concen: 22.524 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.2	114.4

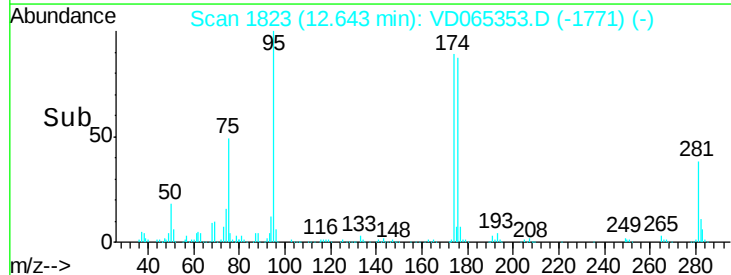
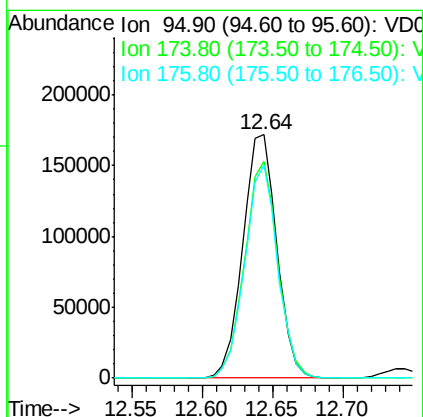
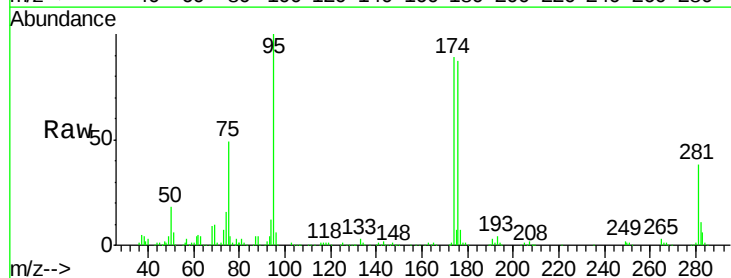
Manual Integrations
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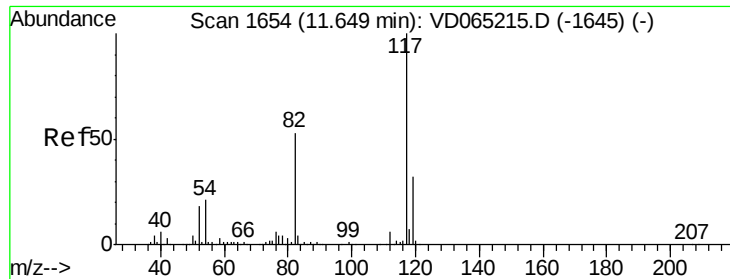
MMDadoda
 3/2/2020 10:35:31 AM



#62
 4-Bromofluorobenzene
 Concen: 59.356 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.2	0.0	178.0
176	84.8	0.0	174.4





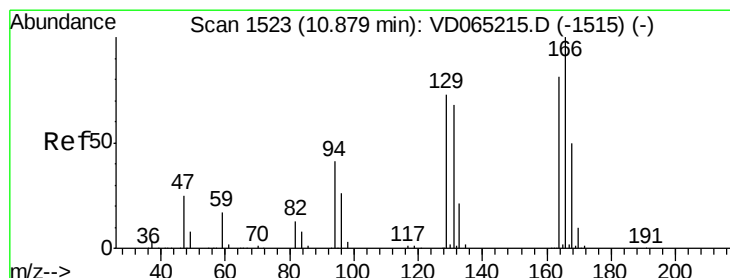
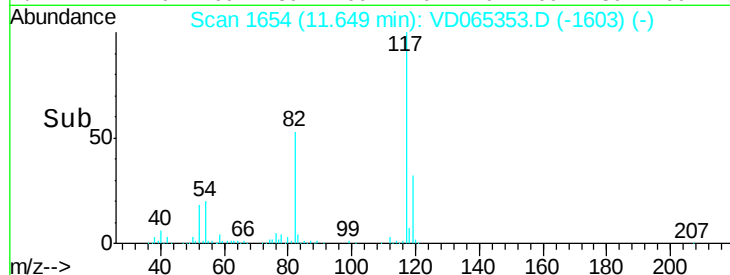
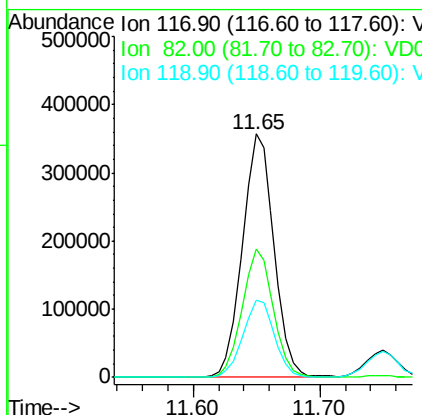
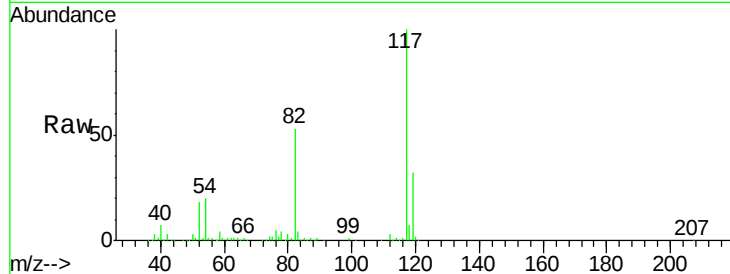
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	616233		
82	52.7		42.7	64.1
119	31.6		25.5	38.3

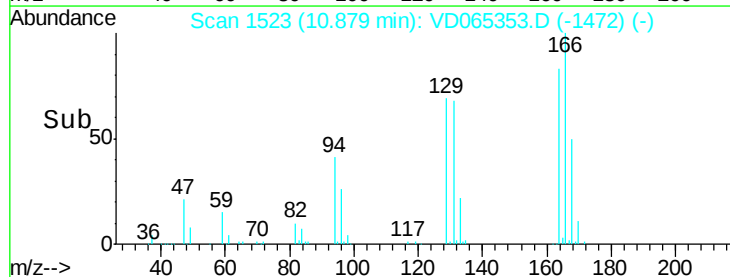
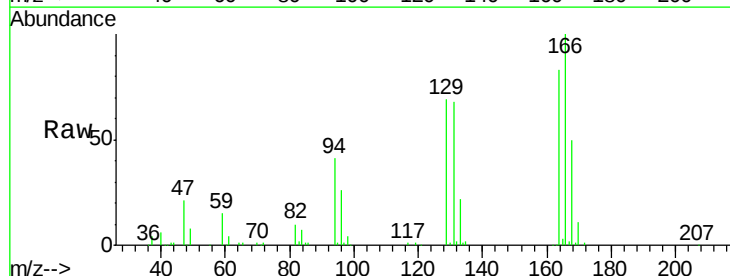
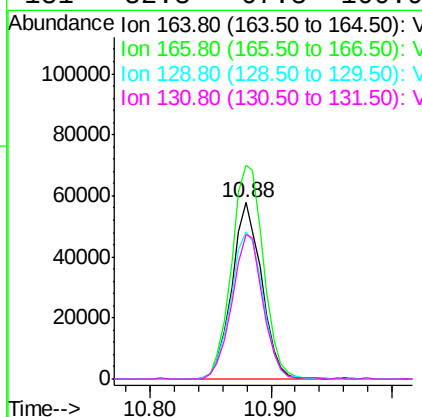
Manual Integrations
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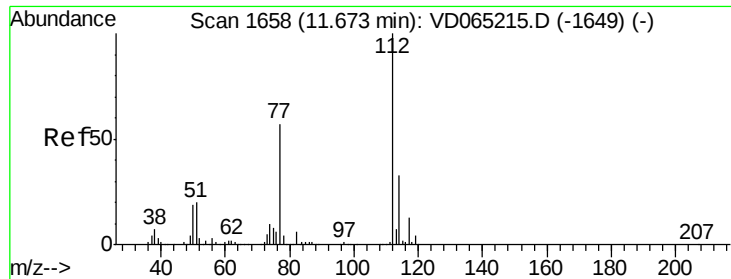
MMDadoda
3/2/2020 10:35:31 AM



#64
Tetrachloroethene
Concen: 22.759 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	99470		
166	121.1		98.4	147.6
129	83.4		71.6	107.4
131	82.3		67.3	100.9





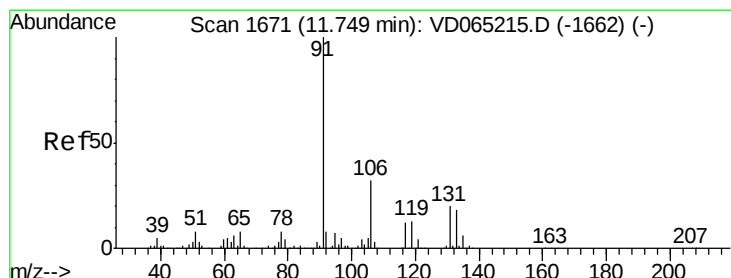
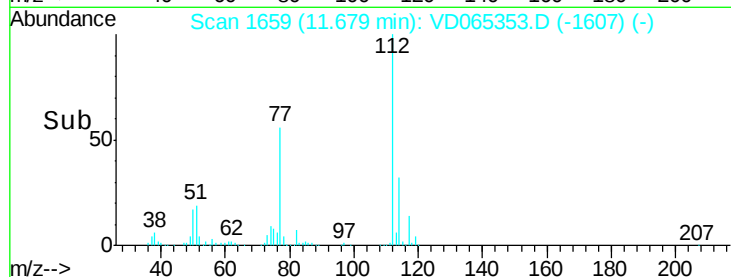
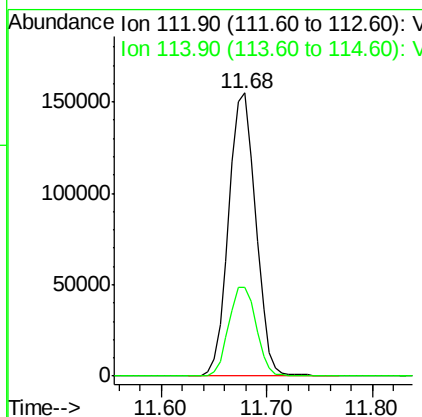
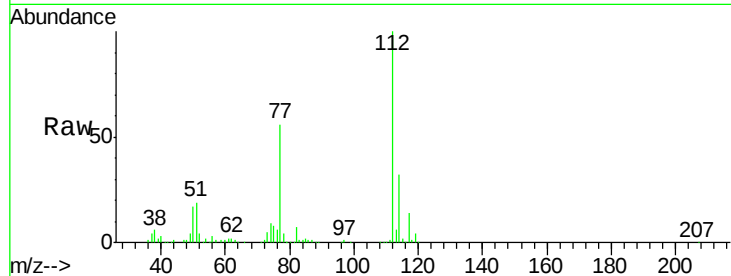
#65
Chlorobenzene
Concen: 22.192 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	26.4	39.6

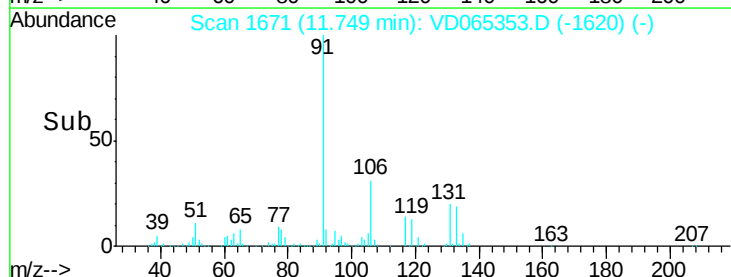
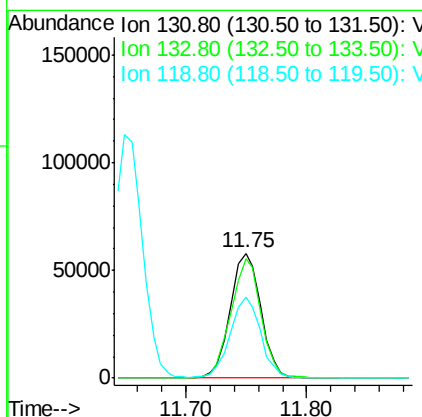
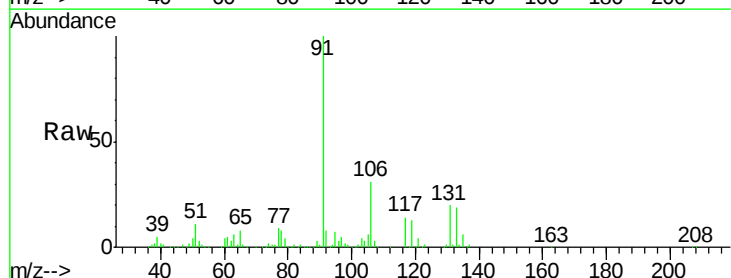
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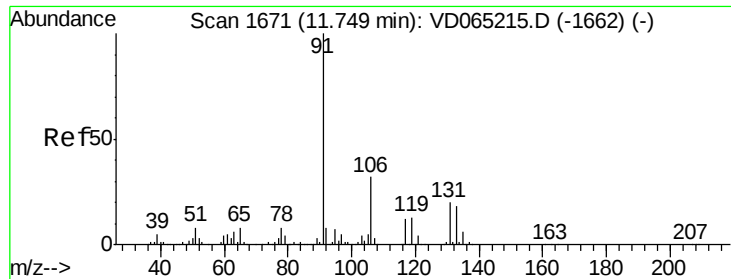
MMDadoda
3/2/2020 10:35:31 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 22.308 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.7	47.7	143.1
119	64.6	32.7	98.1





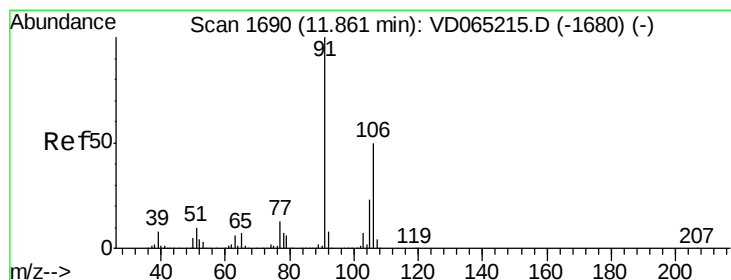
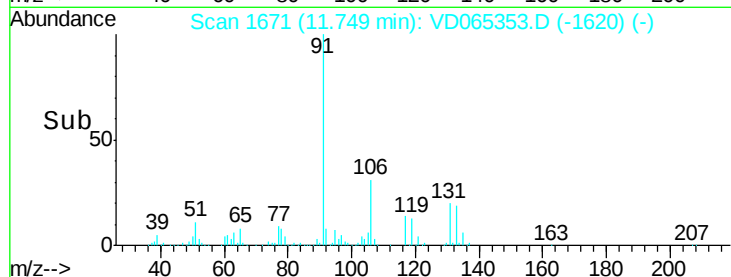
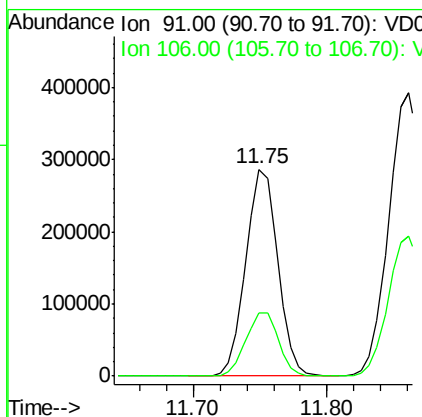
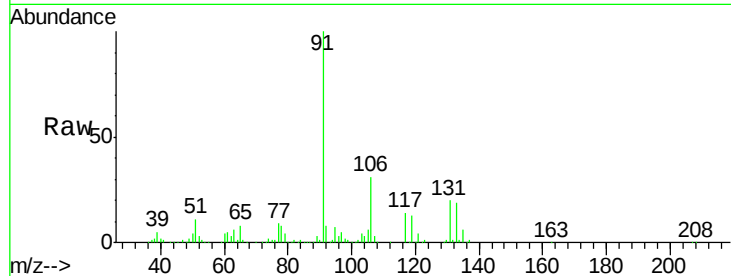
#67
Ethyl Benzene
Concen: 21.980 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion: 91 Resp: 476040
Ion Ratio Lower Upper
91 100
106 30.7 25.2 37.8

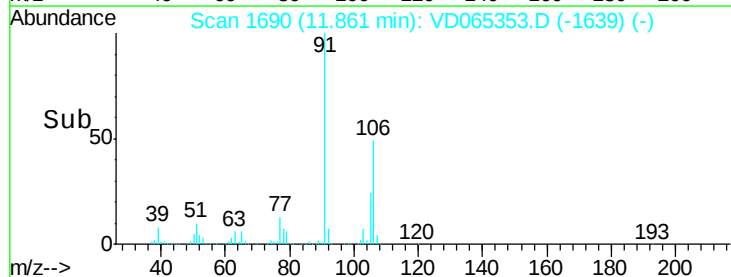
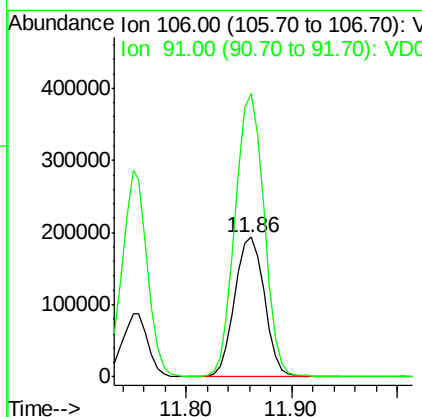
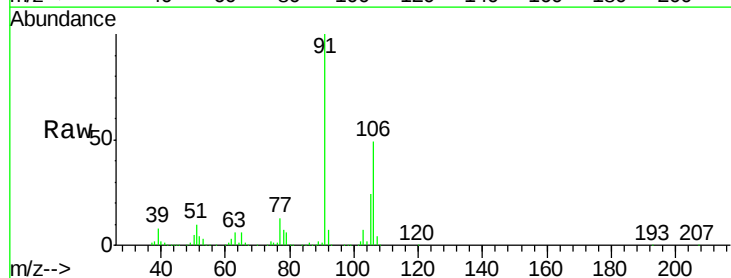
Manual Integrations
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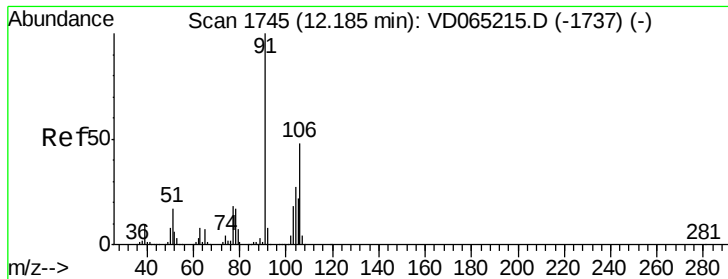
MMDadoda
3/2/2020 10:35:31 AM



#68
m/p-Xylenes
Concen: 45.661 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion: 106 Resp: 378362
Ion Ratio Lower Upper
106 100
91 197.6 158.2 237.4





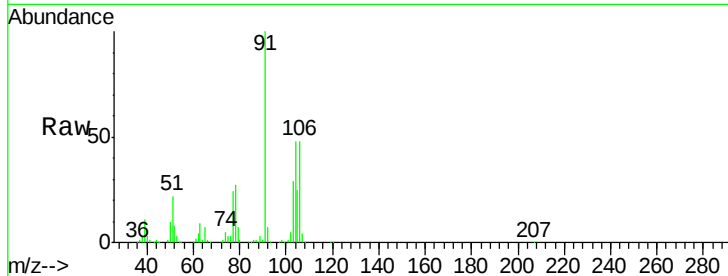
#69
o-Xylene
Concen: 22.414 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

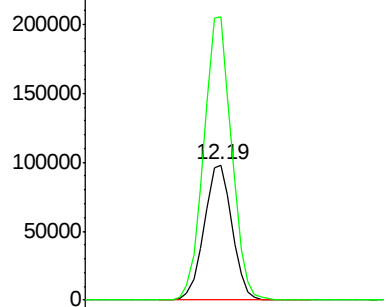
Tot Ion	Ratio	Lower	Upper
106	100		
91	208.6	104.7	313.9

Manual Integrations
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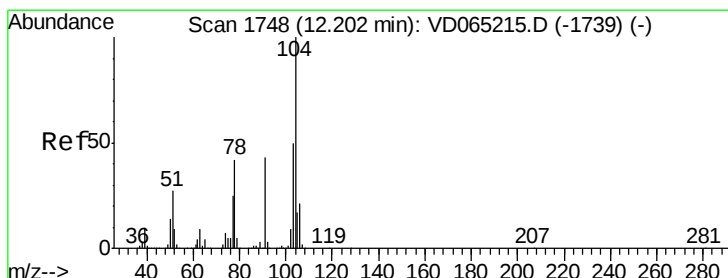
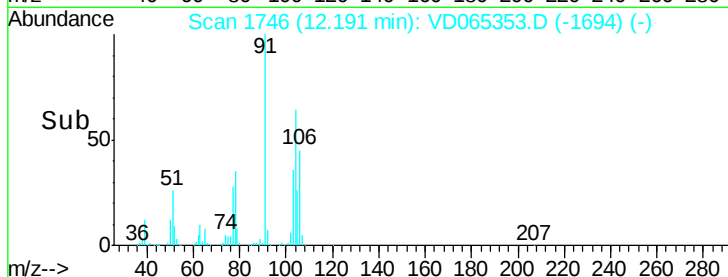
MMDadoda
3/2/2020 10:35:31 AM



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

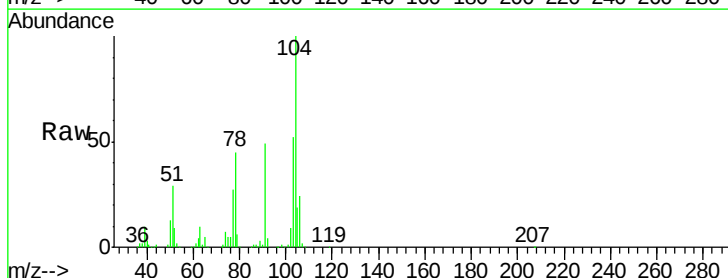


Time-->

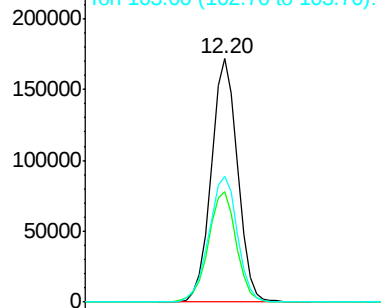


#70
Styrene
Concen: 22.198 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

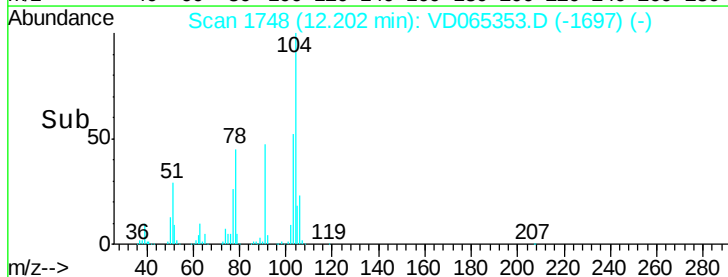
Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.0	37.8	56.6
103	55.8	43.4	65.2

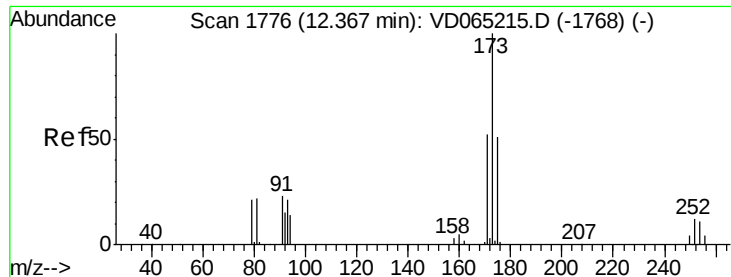


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time-->





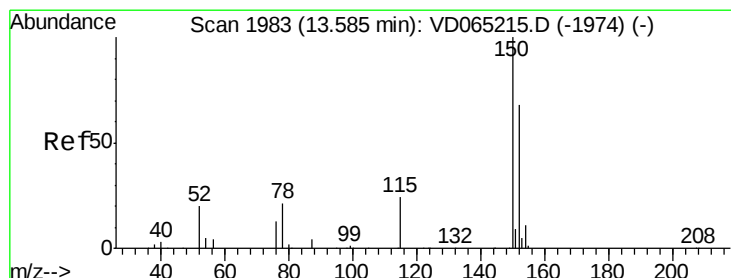
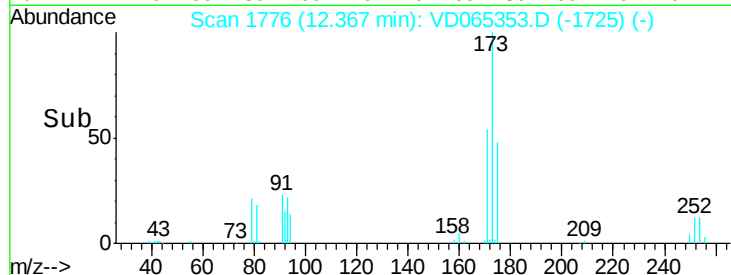
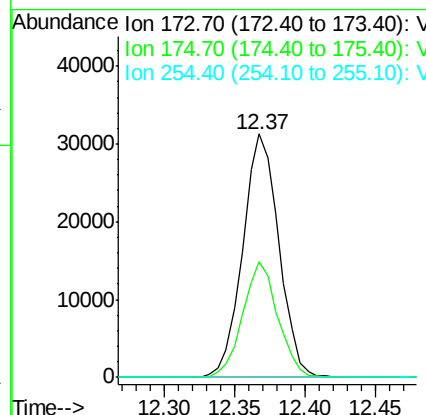
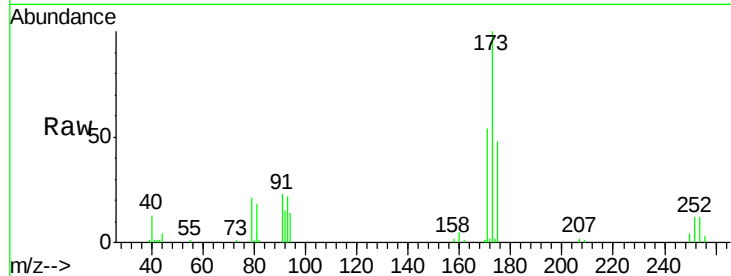
#71
Bromoform
Concen: 21.826 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.2	24.4	73.4
254	0.0	0.0	0.0

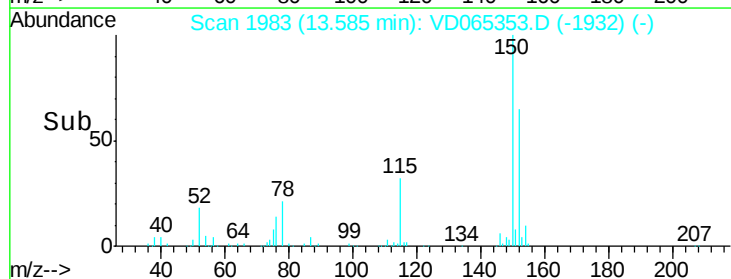
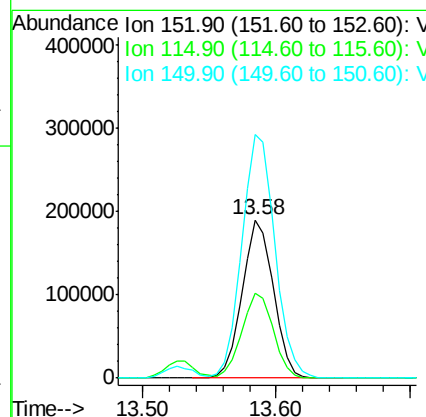
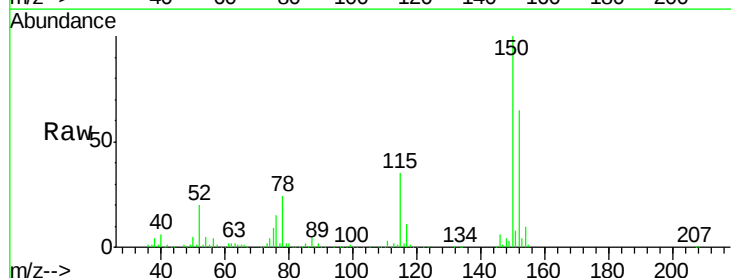
Manual Integrations
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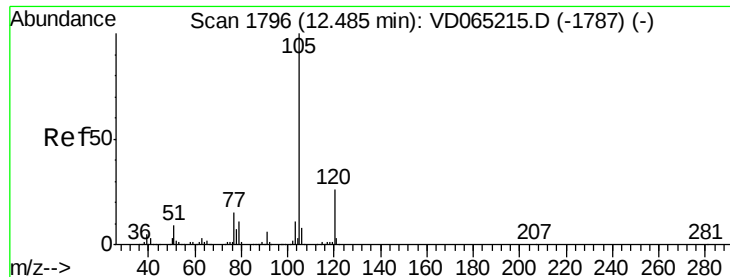
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3/2/2020 10:35:31 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.3	27.6	82.8
150	163.8	0.0	347.4





#73

Isopropylbenzene

Concen: 22.685 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

ClientSampleId :

VD0228SBS01

Tot Ion: 105 Resp: 458764

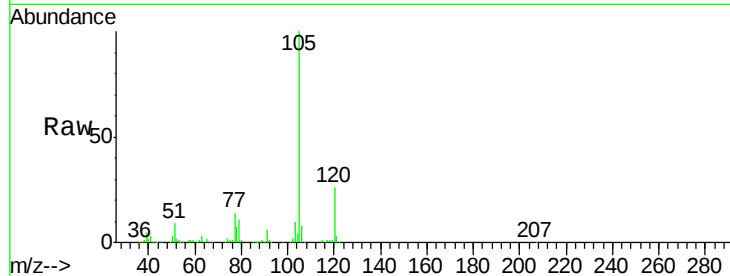
Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.9

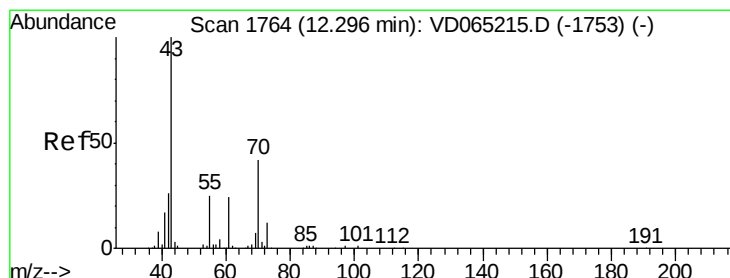
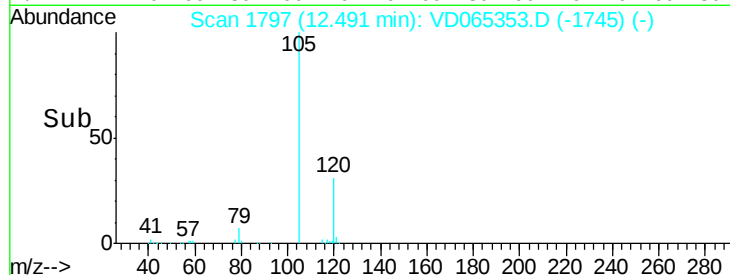
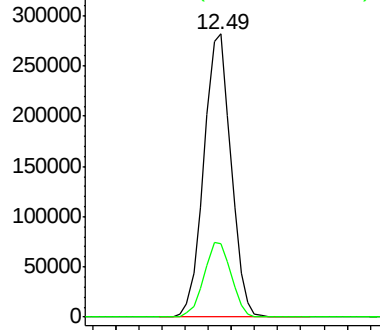
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.928 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Tgt Ion: 43 Resp: 89550

Ion Ratio Lower Upper

43 100

70 44.2 33.7 50.5

55 28.7 20.7 31.1

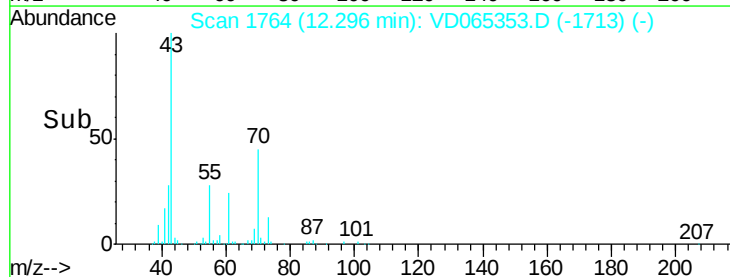
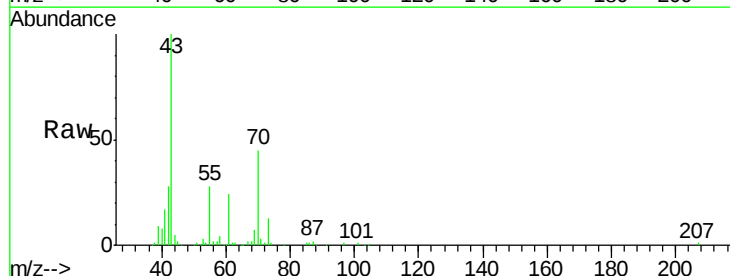
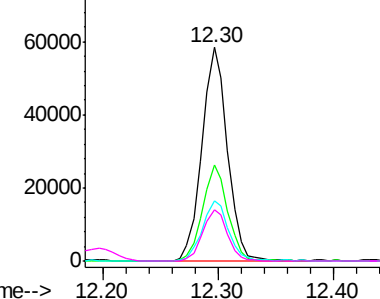
61 23.4 19.0 28.4

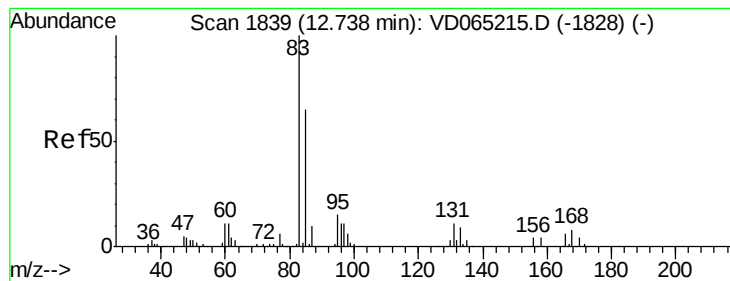
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 20.845 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

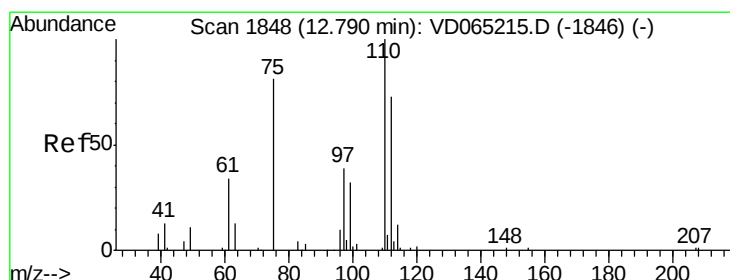
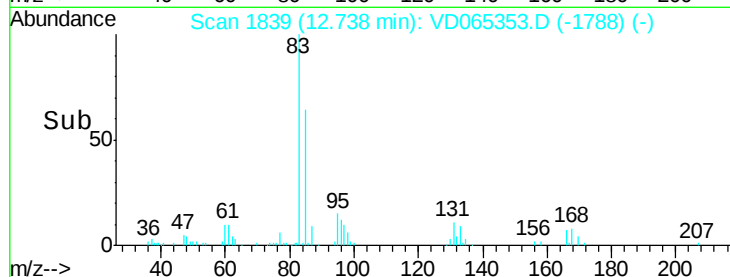
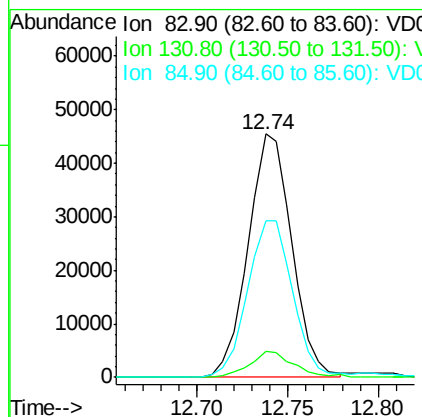
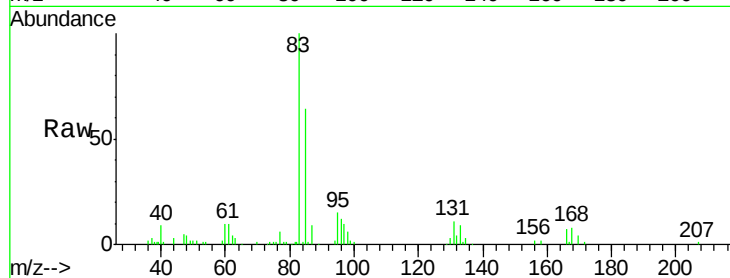
ClientSampleId :

VD0228SBS01

Tot Ion:	83	Resp:	76080
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.4	16.2
85	66.6	31.6	94.8

Manual Integrations
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3/2/2020 10:35:31 AM



#76

1,2,3-Trichloropropane

Concen: 20.926 ug/l m

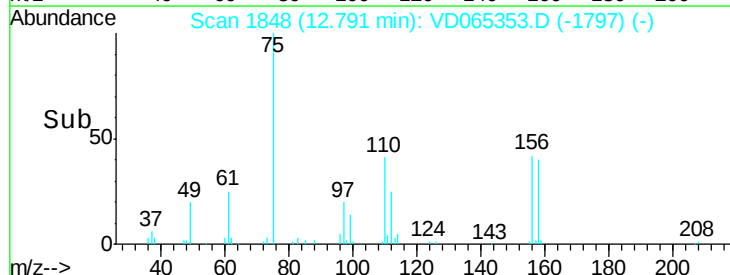
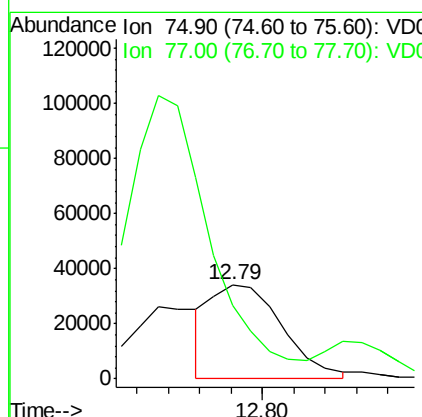
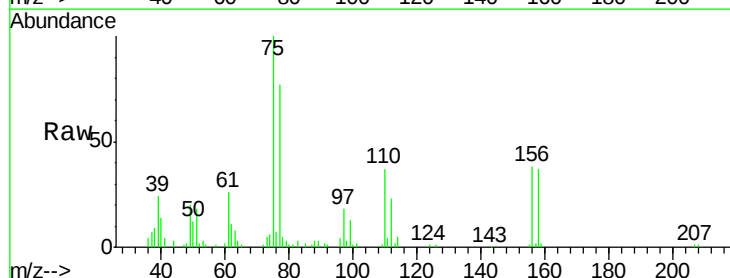
RT: 12.79 min Scan# 1848

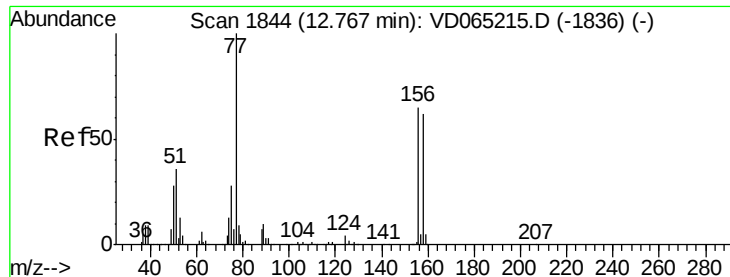
Delta R.T. 0.00 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Tgt Ion:	75	Resp:	54386
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.108 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065353.D

Acq: 28 Feb 2020 11:41

Instrument :

MSVOA_D

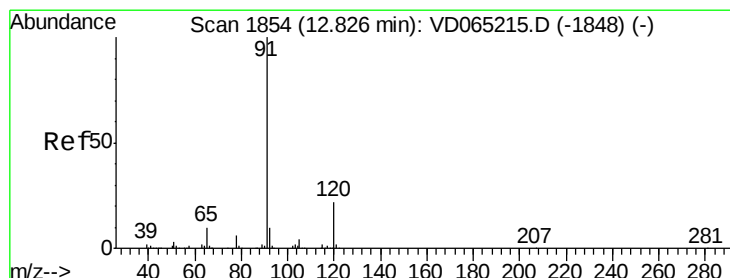
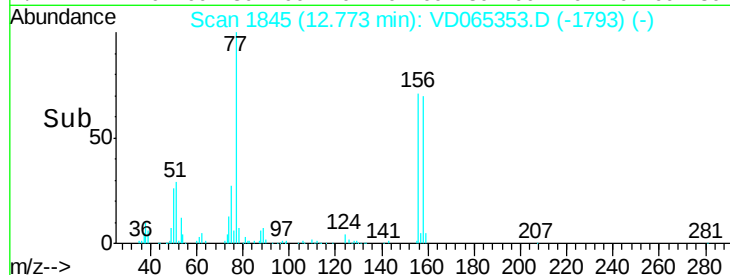
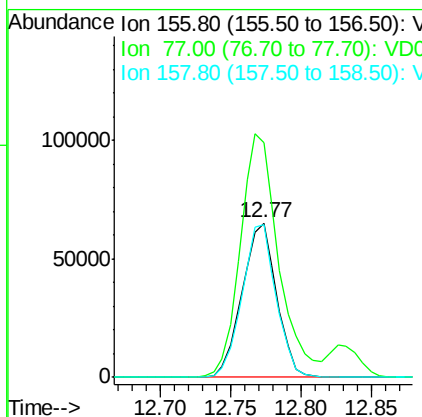
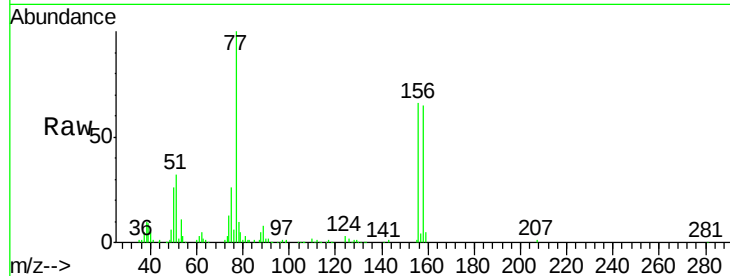
ClientSampleId :

VD0228SBS01

Tot Ion:	156	Resp:	111023
Ion Ratio	Lower	Upper	
156	100		
77	175.8	86.6	259.7
158	97.7	48.1	144.3

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#78

n-propylbenzene

Concen: 22.928 ug/l

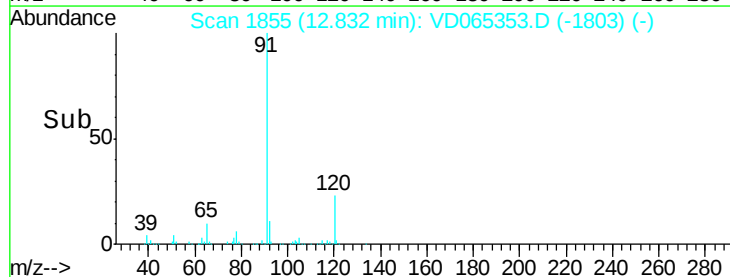
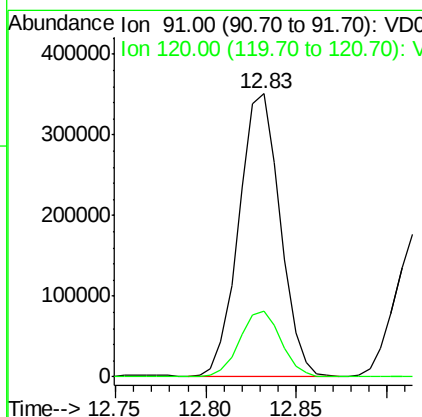
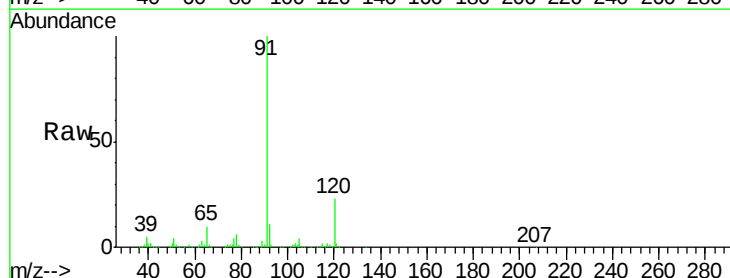
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065353.D

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Tgt Ion:	91	Resp:	557227
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





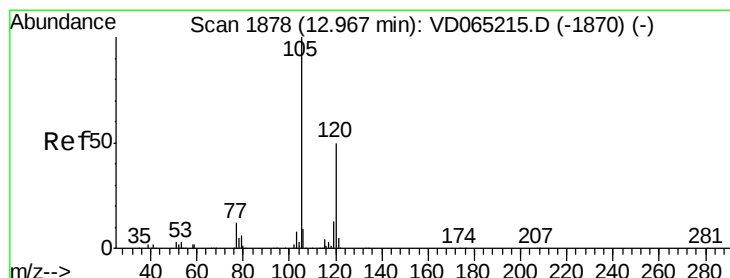
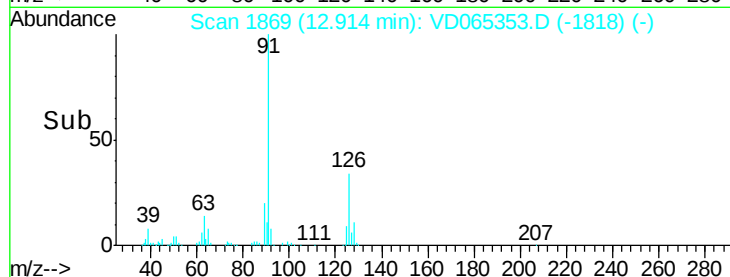
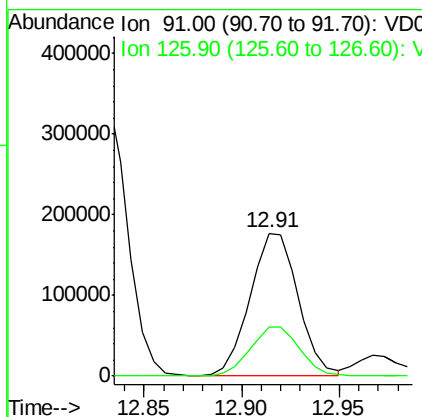
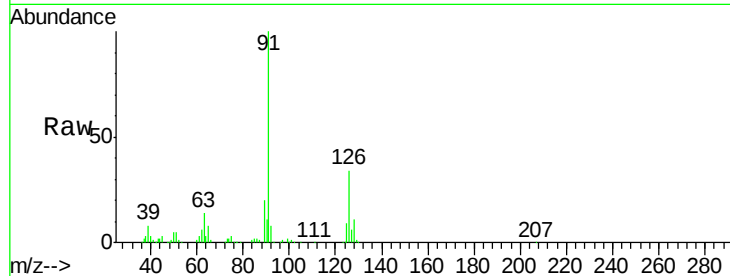
#79
2-Chlorotoluene
Concen: 22.182 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.5	52.6

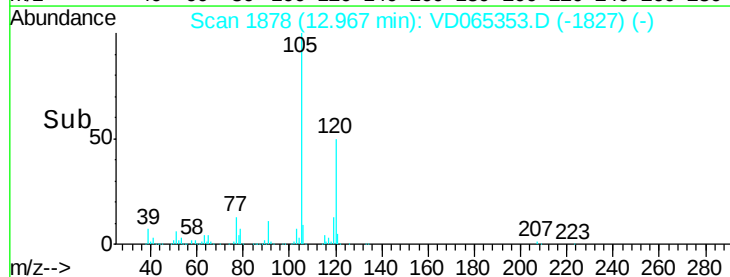
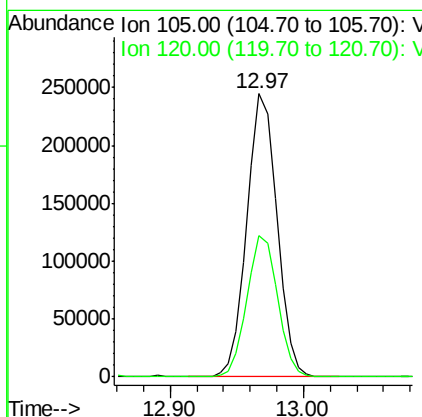
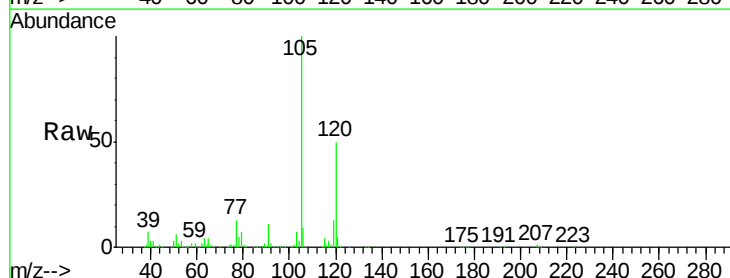
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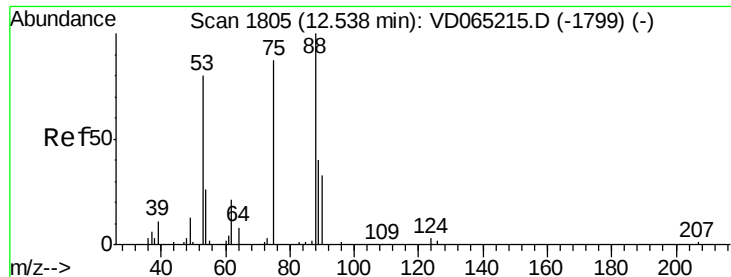
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#80
1,3,5-Trimethylbenzene
Concen: 22.798 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
105	100		
120	51.0	25.4	76.4





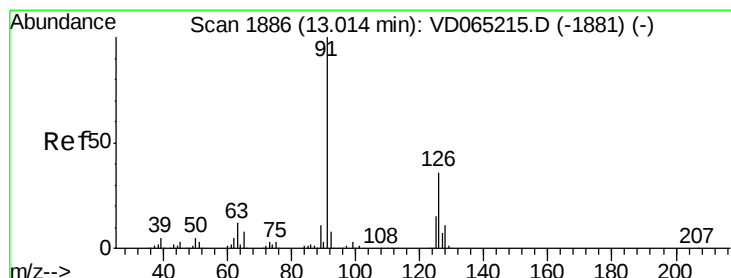
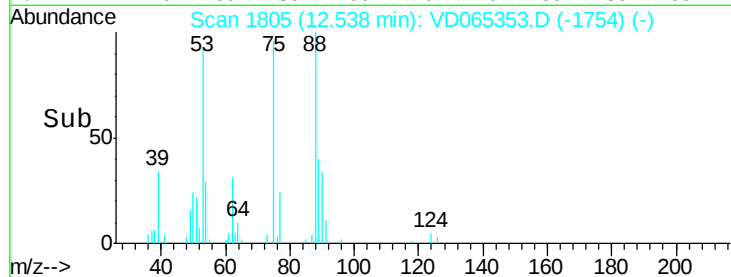
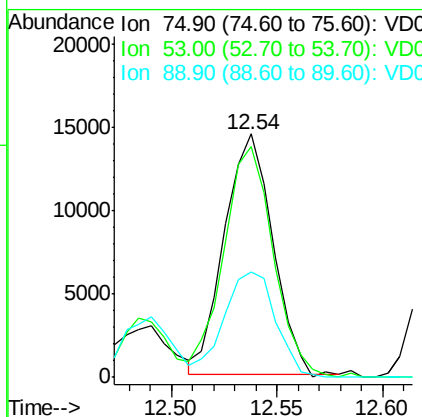
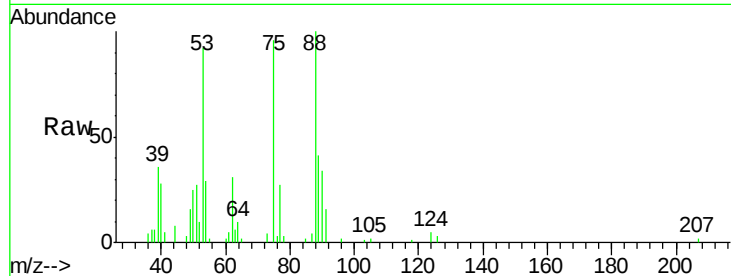
#81
trans-1,4-Dichloro-2-butene
Concen: 19.091 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	98.5	77.6	116.4
89	46.9	37.2	55.8

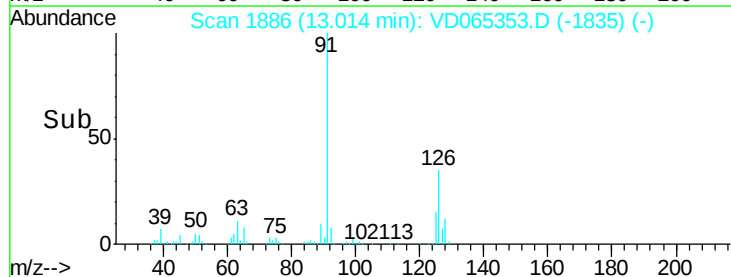
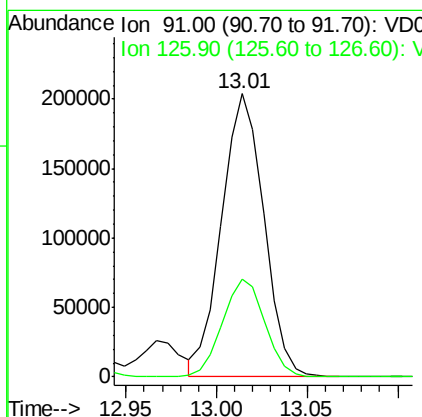
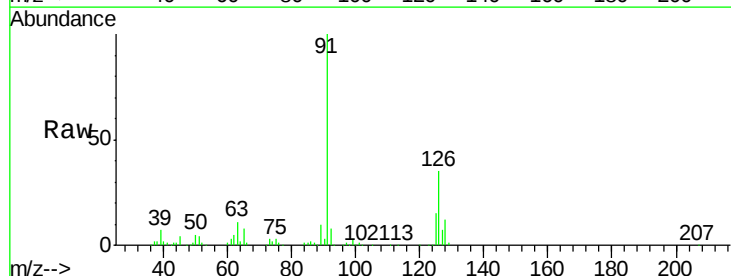
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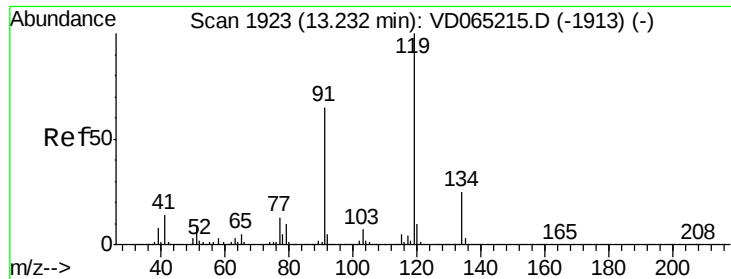
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#82
4-Chlorotoluene
Concen: 22.736 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.4	52.3





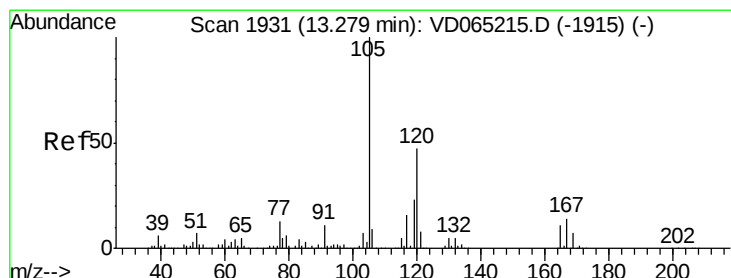
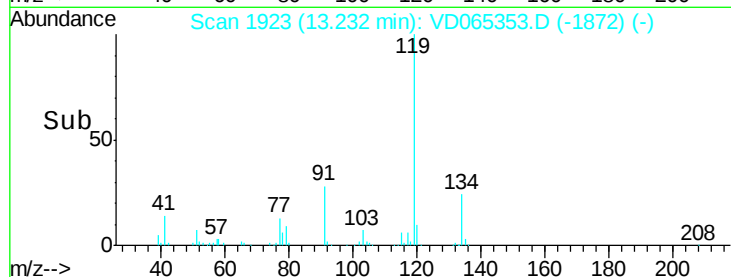
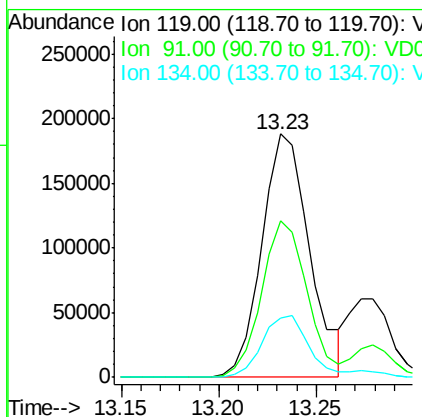
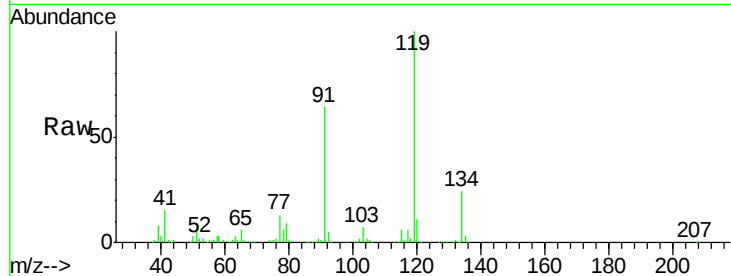
#83
tert-Butylbenzene
Concen: 22.964 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	320588		
91	61.2		31.9	95.5
134	26.6		13.8	41.3

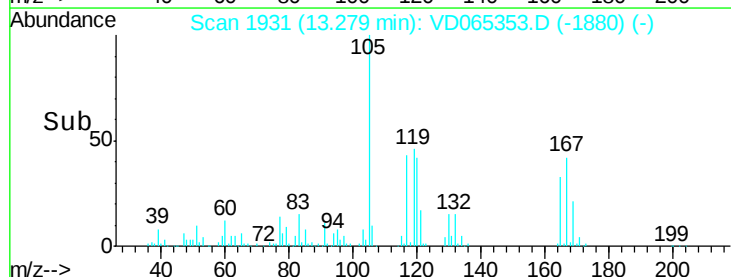
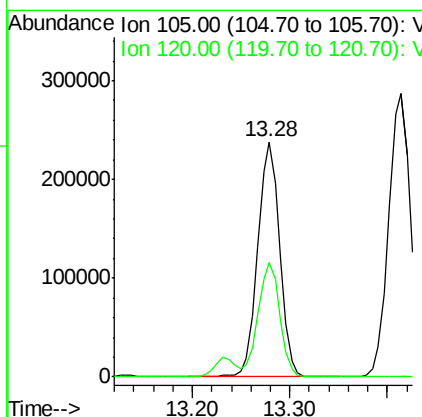
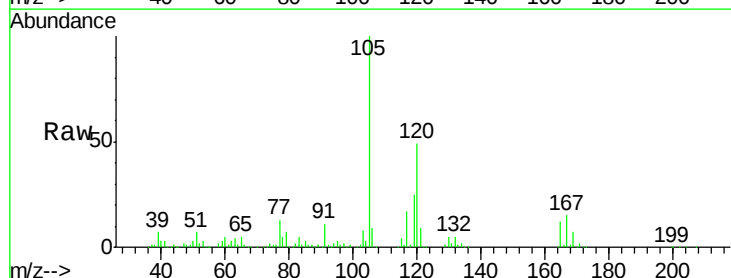
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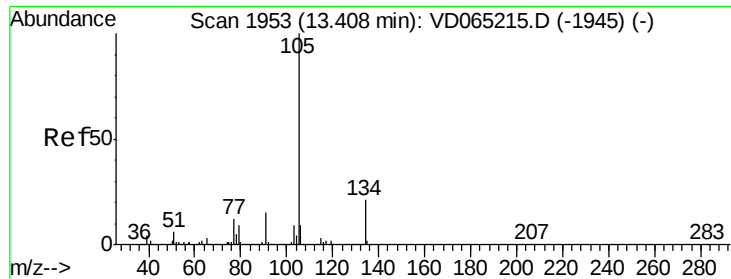
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#84
1,2,4-Trimethylbenzene
Concen: 22.500 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	375111		
120	48.1		23.3	69.9





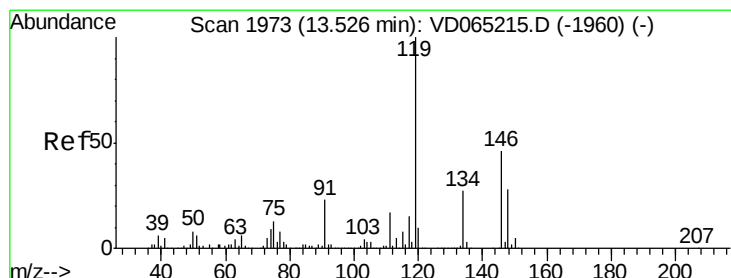
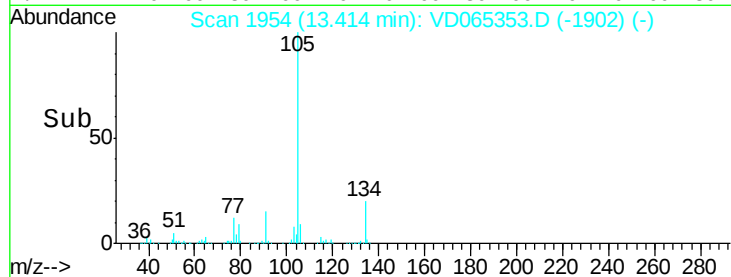
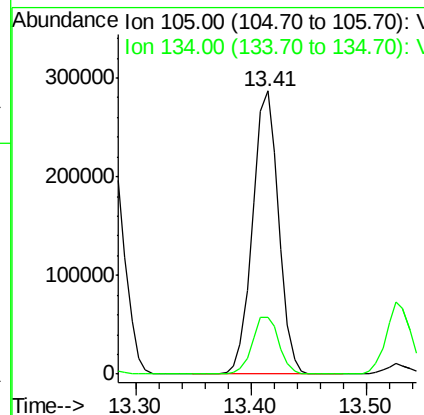
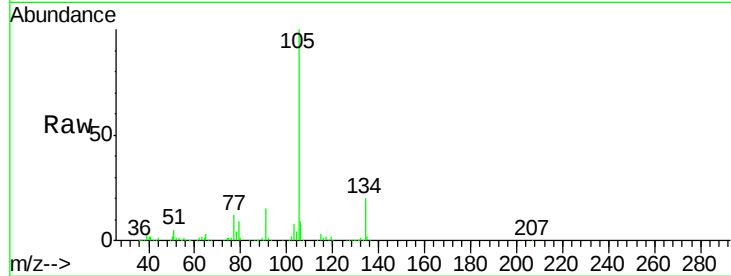
#85
 sec-Butylbenzene
 Concen: 22.394 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.9	10.3	30.9

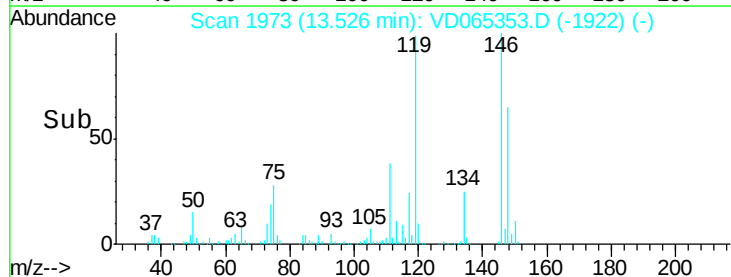
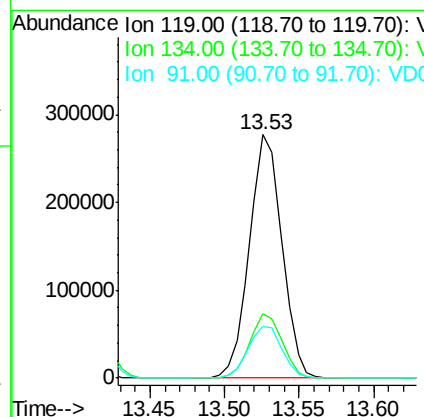
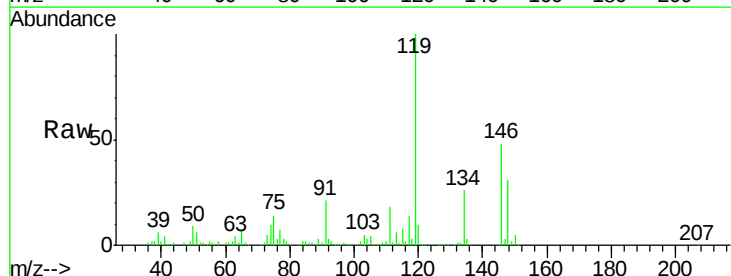
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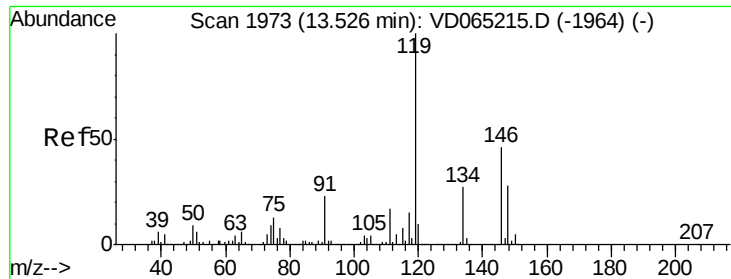
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#86
 p-Isopropyltoluene
 Concen: 22.605 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.4	13.3	39.8
91	22.4	11.1	33.1





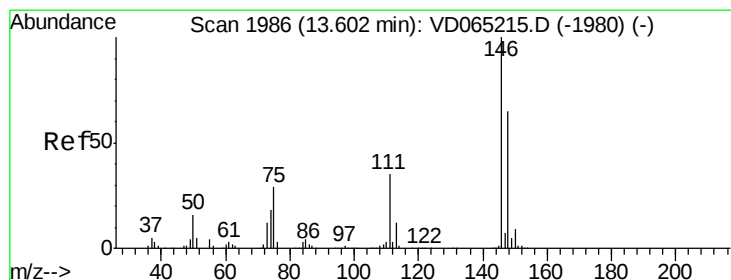
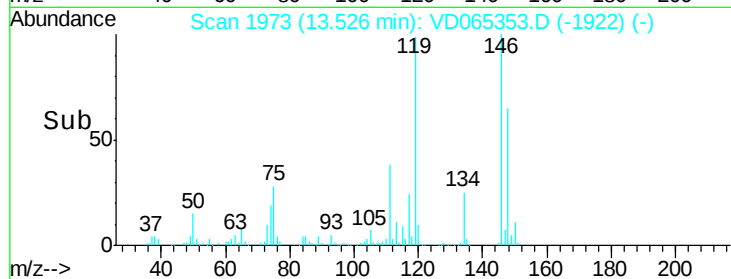
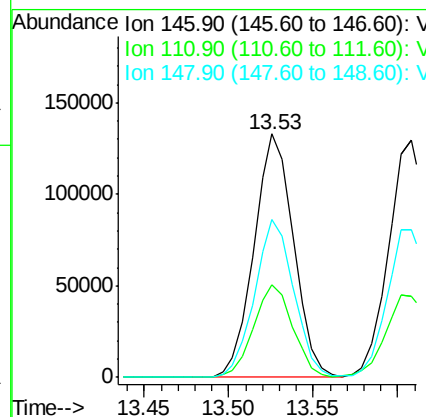
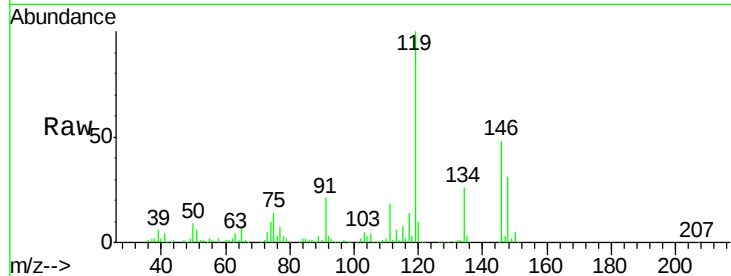
#87
 1,3-Dichlorobenzene
 Concen: 22.314 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	216635		
111	37.5	18.6	55.8	
148	64.1	31.4	94.3	

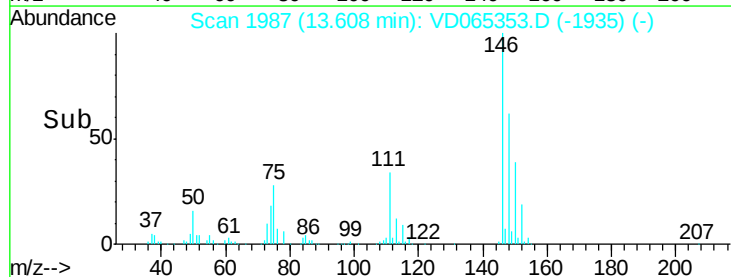
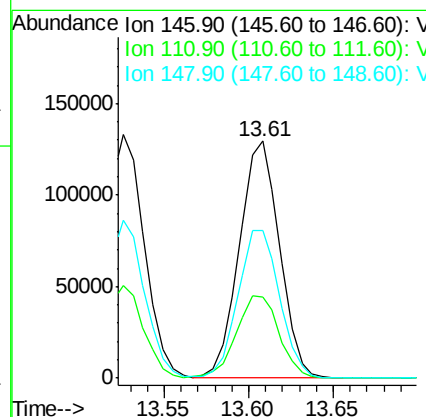
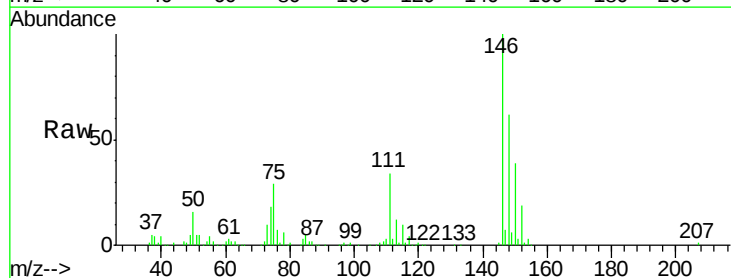
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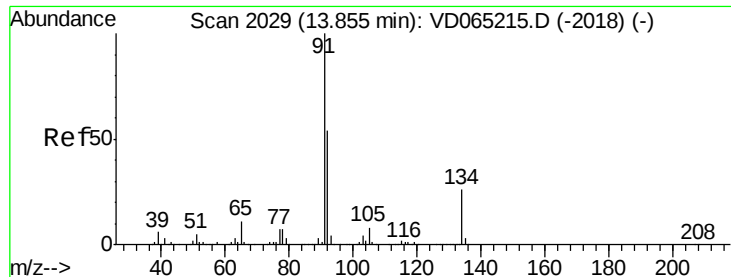
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#88
 1,4-Dichlorobenzene
 Concen: 22.375 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	214388		
111	37.2	18.4	55.2	
148	64.9	32.1	96.5	





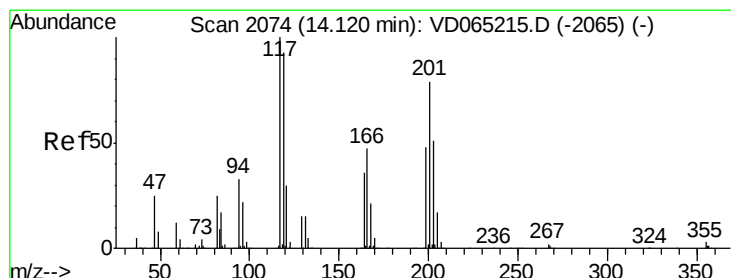
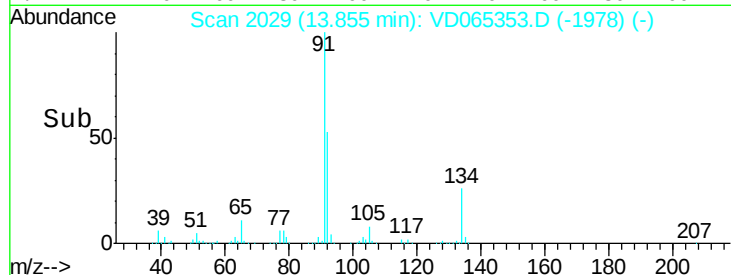
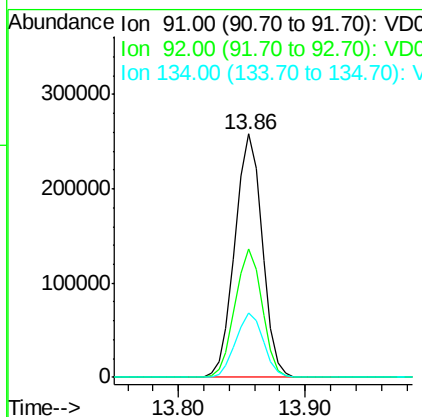
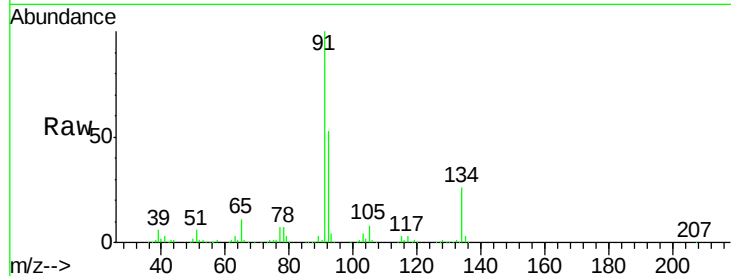
#89
n-Butylbenzene
Concen: 22.717 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	27.0	80.8	
134	26.8	13.5	40.4	

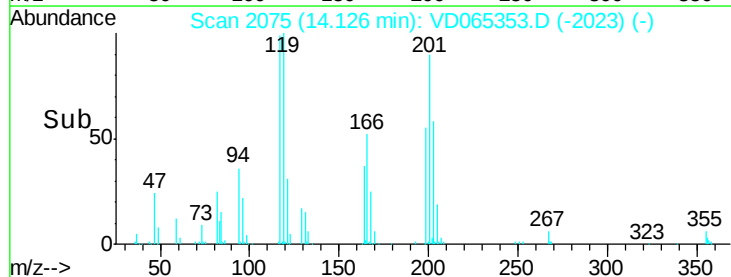
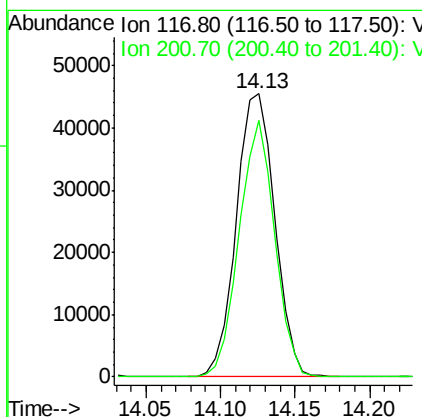
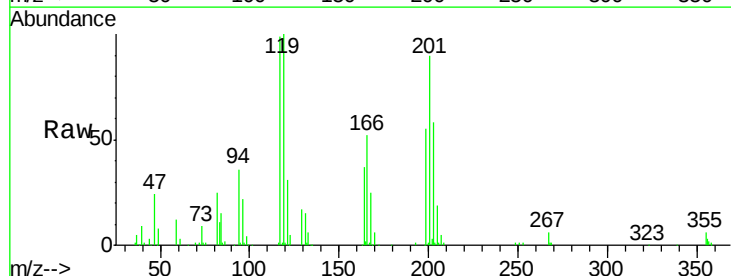
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#90
Hexachloroethane
Concen: 21.827 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.3	41.3	124.1	





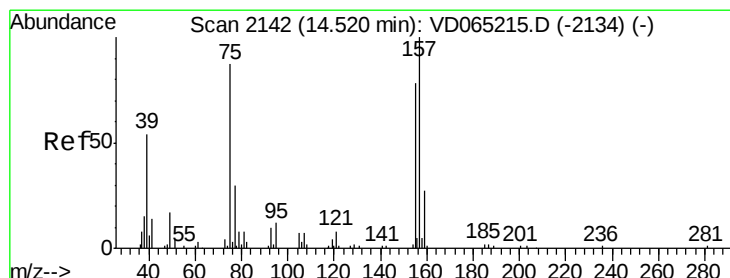
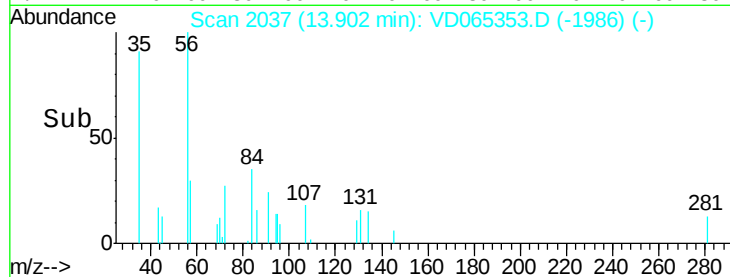
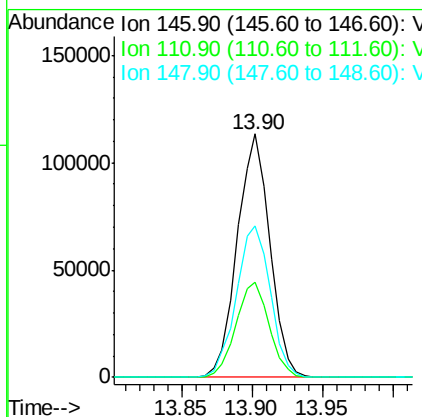
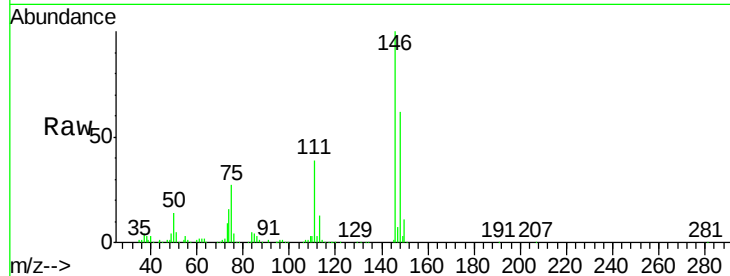
#91
 1,2-Dichlorobenzene
 Concen: 21.961 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	183065		
111	39.6	19.7	59.0	
148	65.2	32.0	96.2	

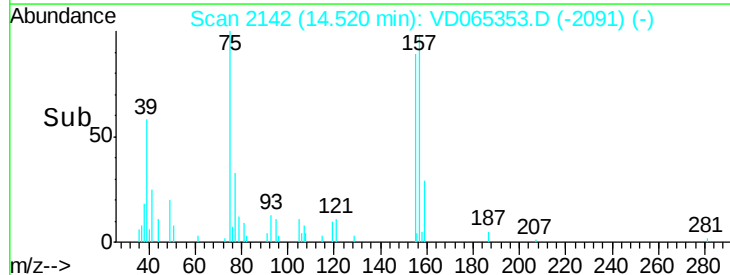
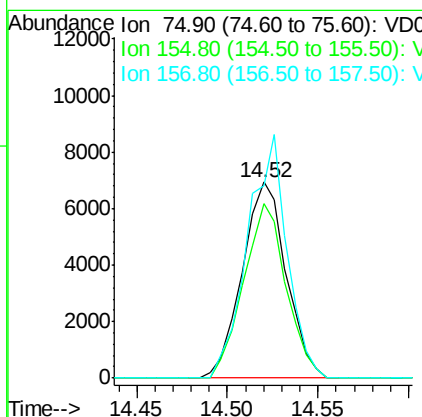
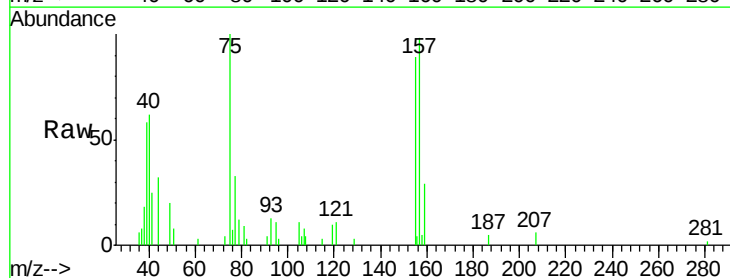
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.855 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	11730		
155	85.9	42.3	126.9	
157	110.9	56.7	170.1	





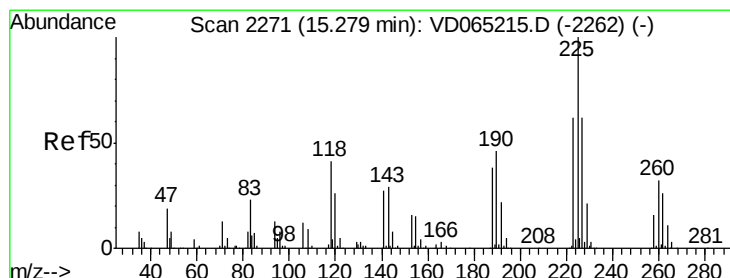
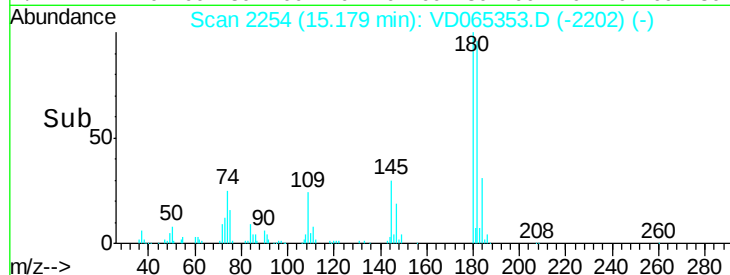
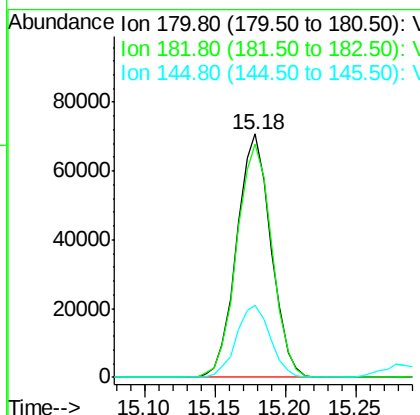
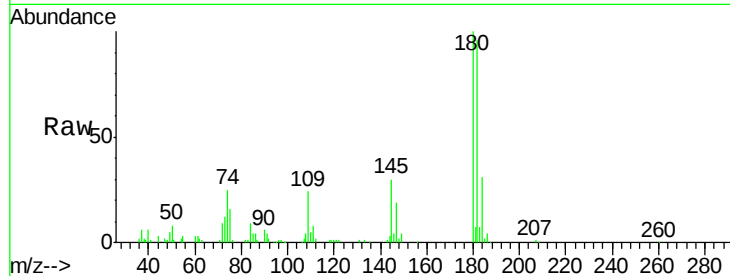
#93
 1,2,4-Trichlorobenzene
 Concen: 22.027 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	120106		
182	97.9	46.9	140.6	
145	29.4	13.9	41.7	

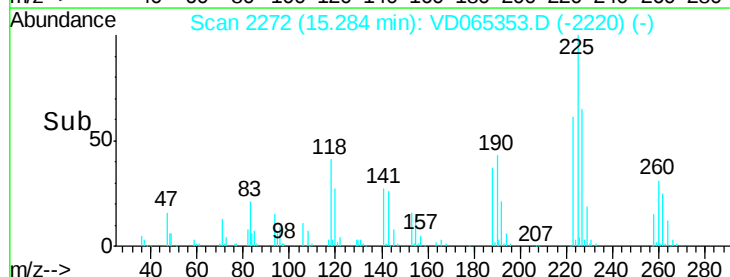
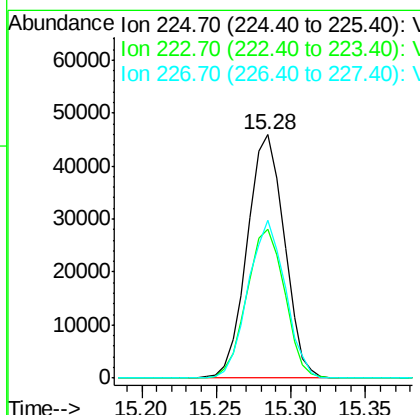
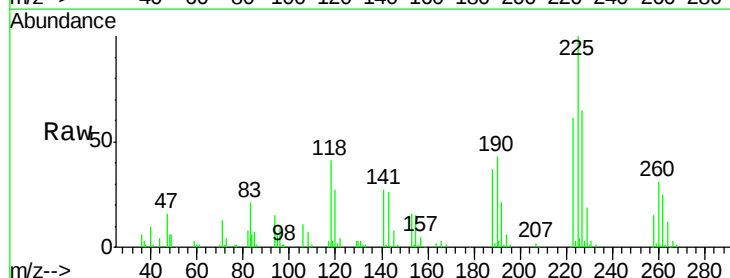
Manual Integrations
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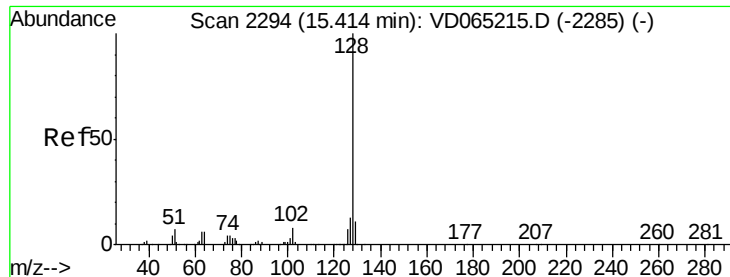
MMDadoda
 3/2/2020 10:35:31 AM



#94
 Hexachlorobutadiene
 Concen: 22.629 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065353.D
 Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	79151		
223	62.2	31.4	94.2	
227	64.4	31.7	95.1	





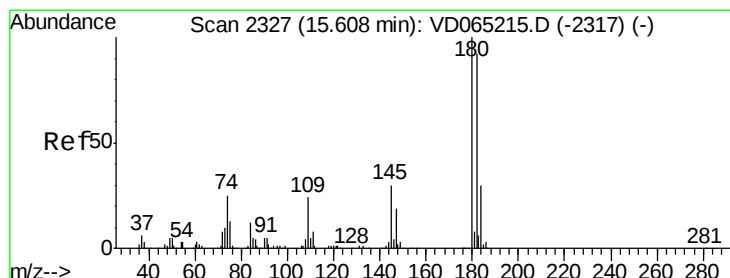
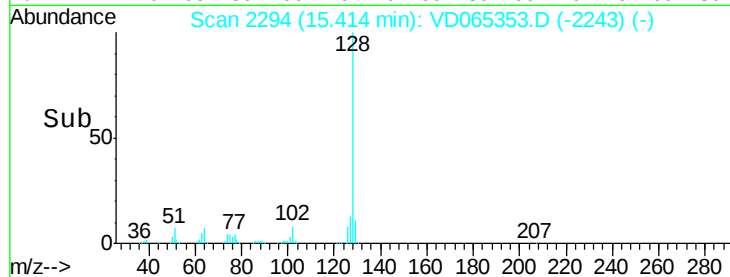
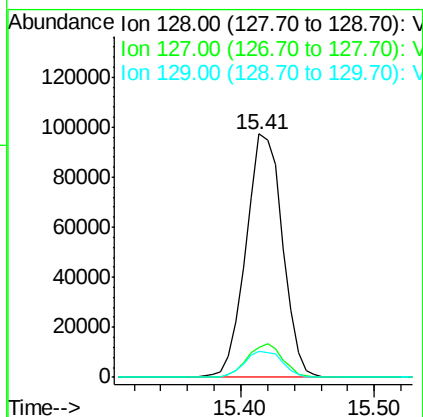
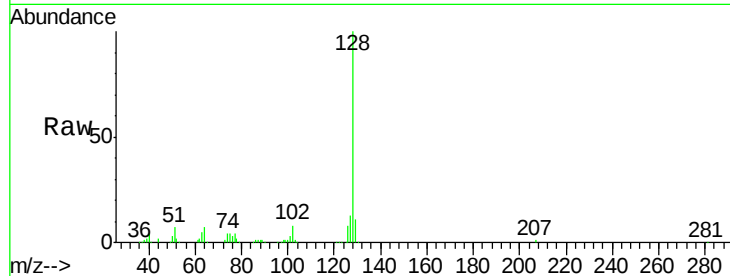
#95
Naphthalene
Concen: 20.689 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Instrument :
MSVOA_D
ClientSampleId :
VD0228SBS01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	183389		
127	13.4	10.3	15.5	
129	11.1	8.8	13.2	

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 22.210 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065353.D
Acq: 28 Feb 2020 11:41

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	105766		
182	92.8	46.9	140.6	
145	29.9	15.4	46.1	

