

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD012220\
 Data File : VD064917.D
 Acq On : 22 Jan 2020 15:13
 Operator : VA/SY
 Sample : VD0122SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Manual Integrations
 APPROVED

MMDadoda
 1/23/2020 11:13:41 AM

Quant Time: Jan 22 23:46:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	370371	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	543152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	474749	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	232689	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190054	58.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	116.38%	
35) Dibromofluoromethane	7.92	113	189006	56.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.44%	
50) Toluene-d8	10.34	98	698437	54.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.46%	
62) 4-Bromofluorobenzene	12.64	95	222937	55.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.48%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	57060	19.824	ug/l	99
3) Chloromethane	2.21	50	86455	21.477	ug/l	100
4) Vinyl Chloride	2.35	62	101960	20.773	ug/l	98
5) Bromomethane	2.76	94	70147	19.656	ug/l	98
6) Chloroethane	2.92	64	68563	20.848	ug/l	96
7) Trichlorofluoromethane	3.27	101	165459	20.021	ug/l	97
8) Diethyl Ether	3.70	74	34465	21.001	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.09	101	78533	22.946	ug/l	98
10) Methyl Iodide	4.29	142	73240	19.922	ug/l	99
11) Tert butyl alcohol	5.25	59	17849	95.363	ug/l	97
12) 1,1-Dichloroethene	4.06	96	72651	22.296	ug/l	98
13) Acrolein	3.92	56	17987	68.956	ug/l	97
14) Allyl chloride	4.71	41	116132	22.859	ug/l	99
15) Acrylonitrile	5.43	53	75076	109.828	ug/l	98
16) Acetone	4.17	43	77267	107.442	ug/l	92
17) Carbon Disulfide	4.40	76	209602	19.894	ug/l	98
18) Methyl Acetate	4.72	43	40198	21.863	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	158232	21.863	ug/l	97
20) Methylene Chloride	4.96	84	99522	27.607	ug/l	96
21) trans-1,2-Dichloroethene	5.46	96	83038	22.377	ug/l	95
22) Diisopropyl ether	6.37	45	233809	23.074	ug/l	95
23) Vinyl Acetate	6.31	43	625537	108.823	ug/l	99
24) 1,1-Dichloroethane	6.27	63	144827	23.807	ug/l	99
25) 2-Butanone	7.23	43	99427	110.756	ug/l	100
26) 2,2-Dichloropropane	7.21	77	133407	23.587	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	89624	22.378	ug/l	97
28) Bromochloromethane	7.55	49	52021	21.998	ug/l #	100
29) Tetrahydrofuran	7.57	42	58115	104.099	ug/l	99
30) Chloroform	7.71	83	148886	23.328	ug/l	99
31) Cyclohexane	7.98	56	129076	21.197	ug/l	92
32) 1,1,1-Trichloroethane	7.90	97	140189	23.385	ug/l	98
36) 1,1-Dichloropropene	8.11	75	120411	23.033	ug/l	98
37) Ethyl Acetate	7.29	43	48149	23.444	ug/l	99
38) Carbon Tetrachloride	8.10	117	127860	22.937	ug/l	94

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Manual Integrations
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MMDadoda
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Quant Time: Jan 22 23:46:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 24 13:19:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	133095	21.020	ug/l	94
40) Benzene	8.36	78	318239	22.299	ug/l	99
41) Methacrylonitrile	7.53	41	26576	22.303	ug/l	97
42) 1,2-Dichloroethane	8.43	62	97121	23.550	ug/l	99
43) Isopropyl Acetate	8.46	43	85883	21.009	ug/l	98
44) Trichloroethene	9.11	130	90461	21.577	ug/l	93
45) 1,2-Dichloropropane	9.39	63	79779	23.413	ug/l	95
46) Dibromomethane	9.48	93	41118	21.643	ug/l	98
47) Bromodichloromethane	9.67	83	114273	22.605	ug/l	99
48) Methyl methacrylate	9.46	41	39577	20.562	ug/l	92
49) 1,4-Dioxane	9.47	88	9698	442.713	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	212034	104.940	ug/l	99
52) Toluene	10.41	92	209113	22.334	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	102924	21.838	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	123853	22.286	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	56251	21.971	ug/l	95
56) Ethyl methacrylate	10.67	69	65199	20.391	ug/l	96
57) 1,3-Dichloropropane	10.95	76	97013	22.007	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	134359	110.292	ug/l	98
59) 2-Hexanone	10.99	43	146194	106.604	ug/l	96
60) Dibromochloromethane	11.14	129	78319	22.121	ug/l	100
61) 1,2-Dibromoethane	11.25	107	55151	21.840	ug/l	100
64) Tetrachloroethene	10.88	164	80403	22.075	ug/l	99
65) Chlorobenzene	11.68	112	220874	22.416	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	83171	22.391	ug/l	99
67) Ethyl Benzene	11.75	91	392497	21.946	ug/l	97
68) m/p-Xylenes	11.86	106	300374	43.514	ug/l	97
69) o-Xylene	12.18	106	135293	21.698	ug/l	99
70) Styrene	12.20	104	239375	21.872	ug/l	99
71) Bromoform	12.37	173	44695	21.099	ug/l	# 99
73) Isopropylbenzene	12.48	105	373642	22.470	ug/l	99
74) N-amyl acetate	12.30	43	75101	21.128	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	57974	22.194	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	38754m	21.091	ug/l	
77) Bromobenzene	12.77	156	91608	22.421	ug/l	99
78) n-propylbenzene	12.83	91	447382	23.062	ug/l	98
79) 2-Chlorotoluene	12.91	91	243055	22.808	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	306430	22.433	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	19318	21.989	ug/l	96
82) 4-Chlorotoluene	13.01	91	256418	22.610	ug/l	100
83) tert-Butylbenzene	13.23	119	263446	22.213	ug/l	96
84) 1,2,4-Trimethylbenzene	13.28	105	311758	22.917	ug/l	97
85) sec-Butylbenzene	13.41	105	369495	22.725	ug/l	99
86) p-Isopropyltoluene	13.53	119	347409	22.346	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	171223	21.983	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	173172	22.632	ug/l	98
89) n-Butylbenzene	13.85	91	318209	22.728	ug/l	99
90) Hexachloroethane	14.12	117	68857	23.186	ug/l	93
91) 1,2-Dichlorobenzene	13.90	146	148403	22.344	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	9437	22.285	ug/l	89

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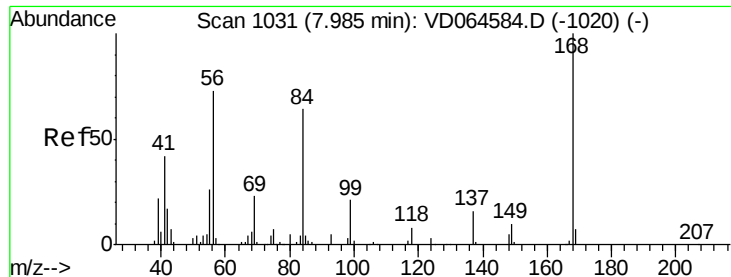
Manual Integrations
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1/23/2020 11:13:41 AM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122419S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 24 13:19:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	102730	21.006	ug/l	98
94) Hexachlorobutadiene	15.28	225	68669	22.314	ug/l	99
95) Naphthalene	15.41	128	153677	19.864	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	90032	21.565	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion:168 Resp: 370371

Ion Ratio Lower Upper

168 100

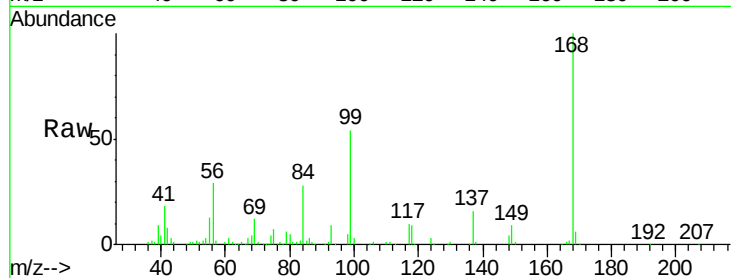
99 53.2 41.8 62.6

Manual Integrations

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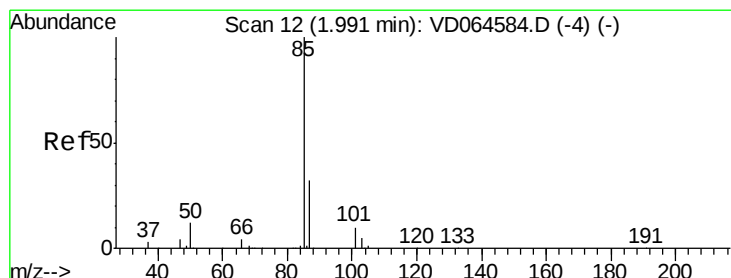
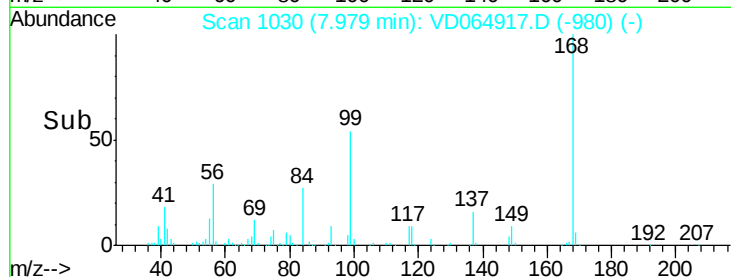
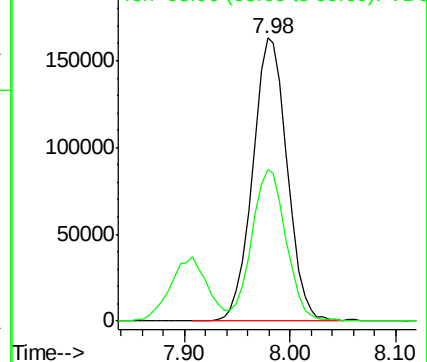
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 19.824 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD064917.D

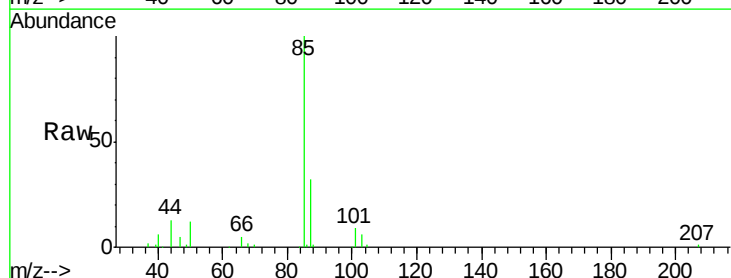
Acq: 22 Jan 2020 15:13

Tgt Ion: 85 Resp: 57060

Ion Ratio Lower Upper

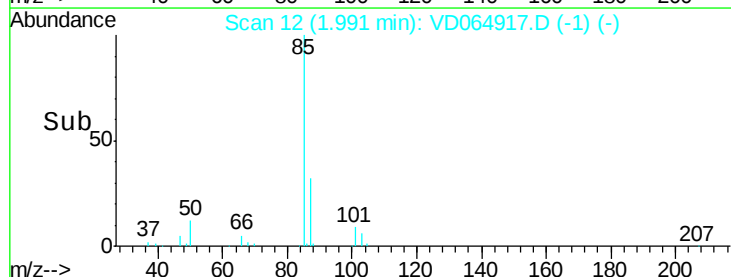
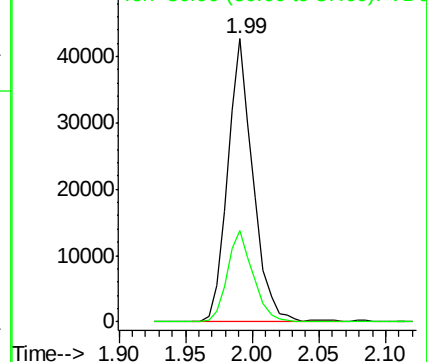
85 100

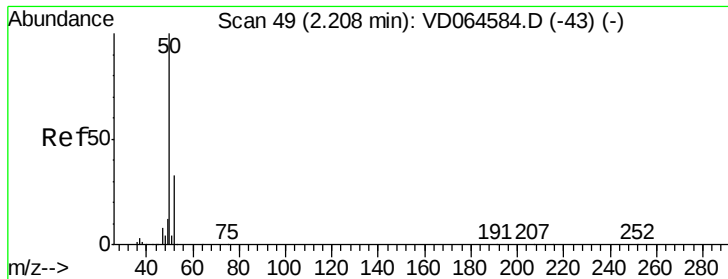
87 32.4 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.477 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 50 Resp: 86455

Ion Ratio Lower Upper

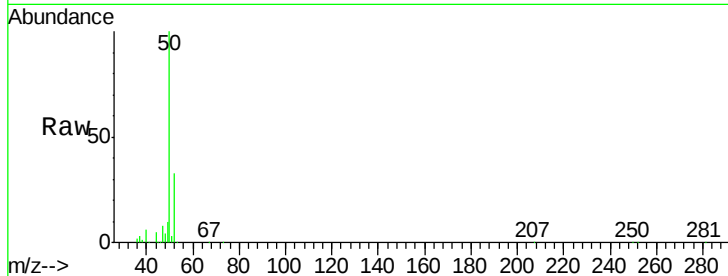
50 100

52 33.0 26.5 39.7

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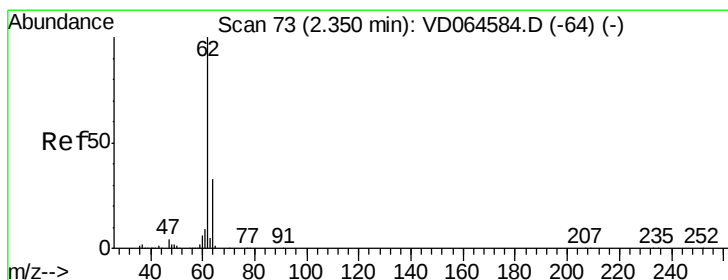
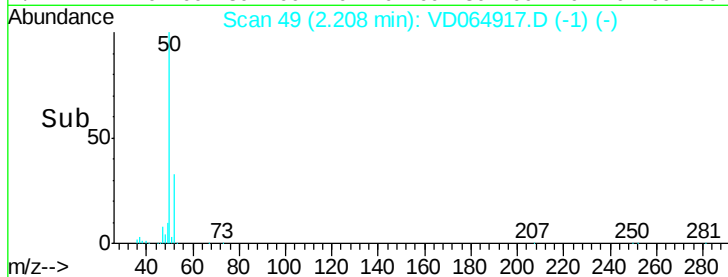
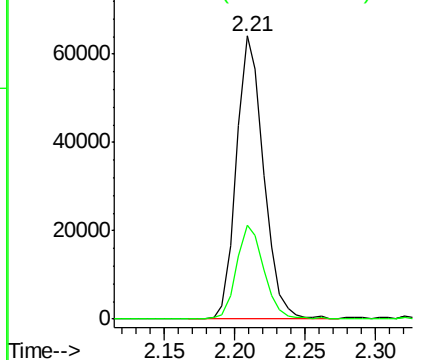
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 20.773 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD064917.D

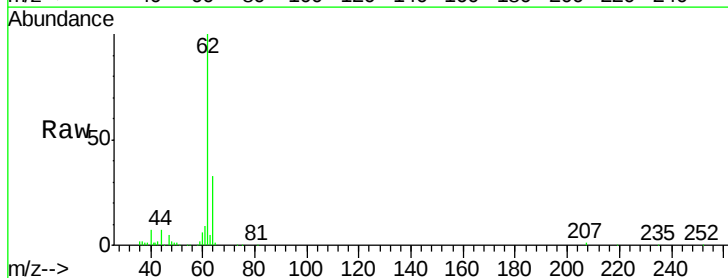
Acq: 22 Jan 2020 15:13

Tgt Ion: 62 Resp: 101960

Ion Ratio Lower Upper

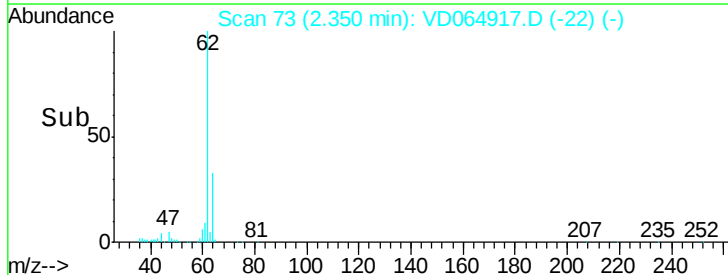
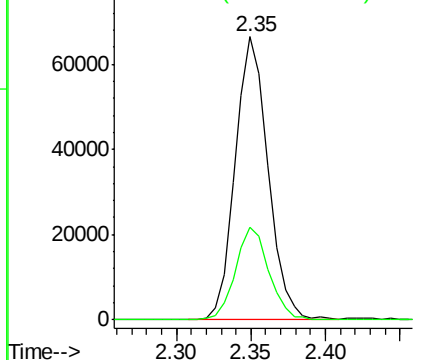
62 100

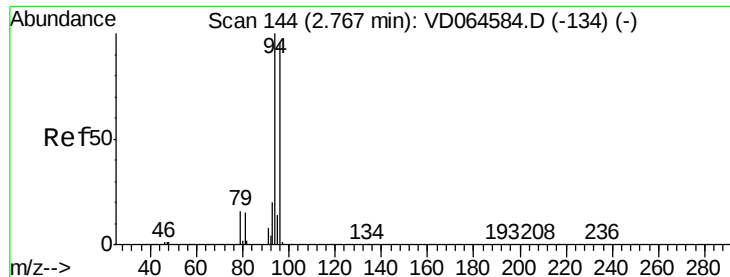
64 32.3 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.656 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 94 Resp: 70147

Ion Ratio Lower Upper

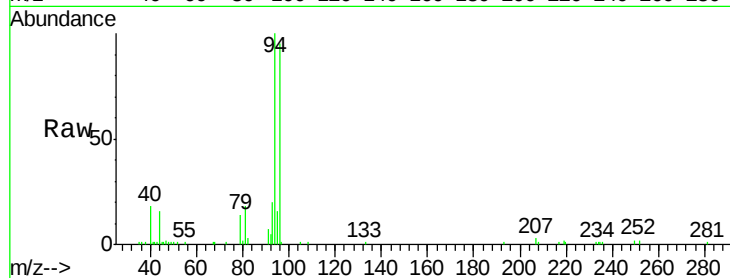
94 100

96 94.7 77.2 115.8

Manual Integrations
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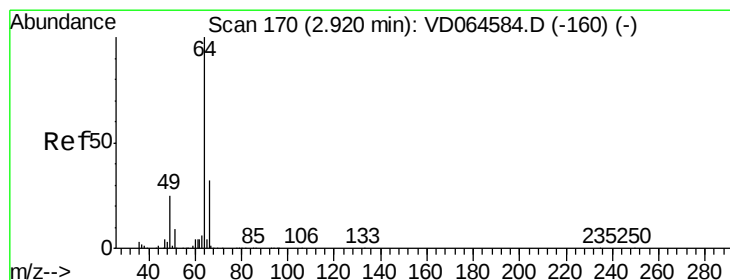
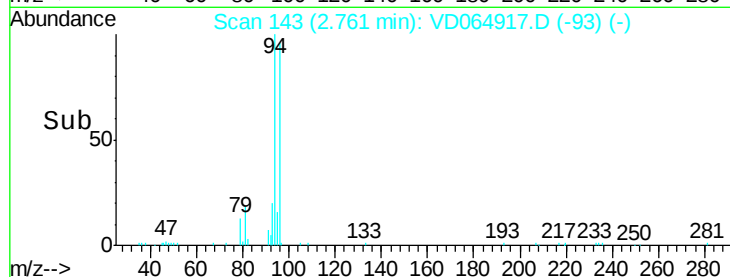
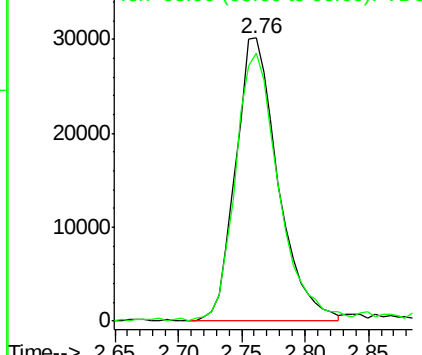
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.848 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.00 min

Lab File: VD064917.D

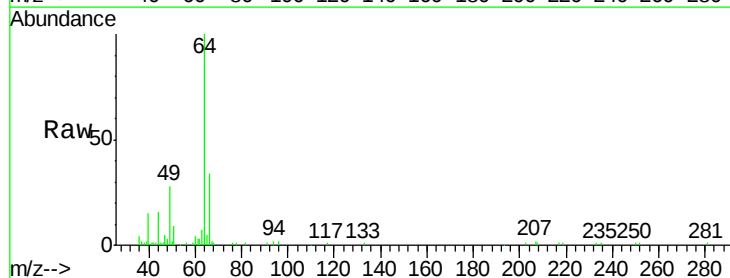
Acq: 22 Jan 2020 15:13

Tgt Ion: 64 Resp: 68563

Ion Ratio Lower Upper

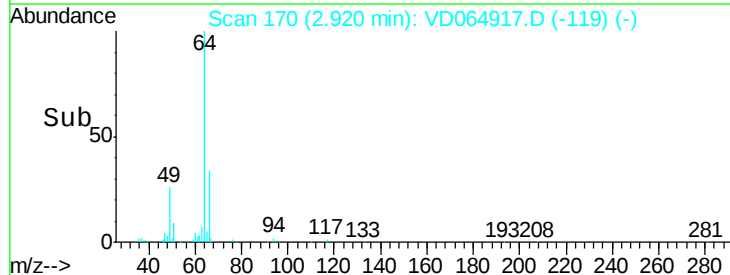
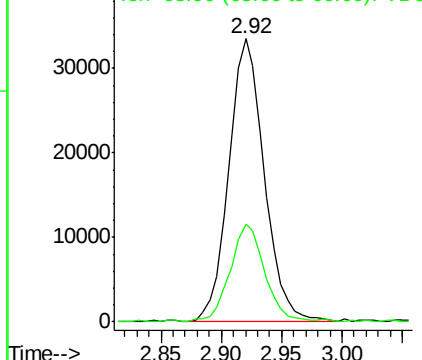
64 100

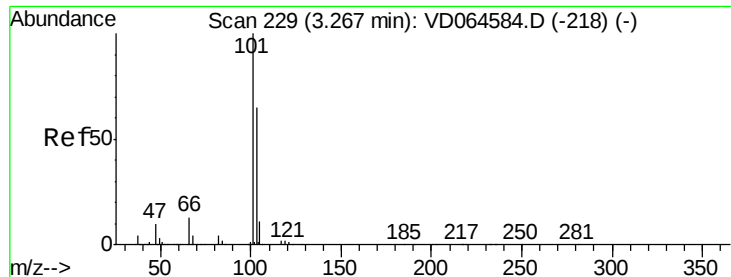
66 34.4 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

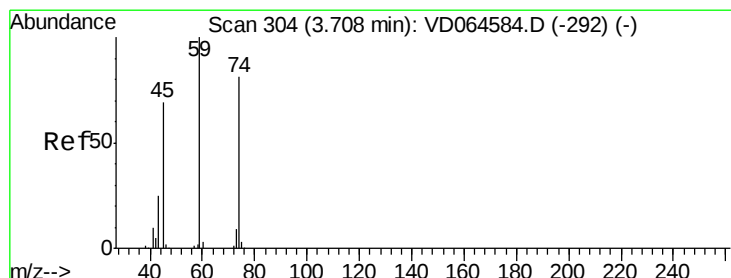
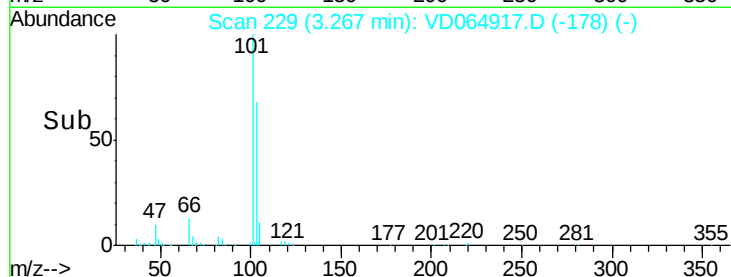
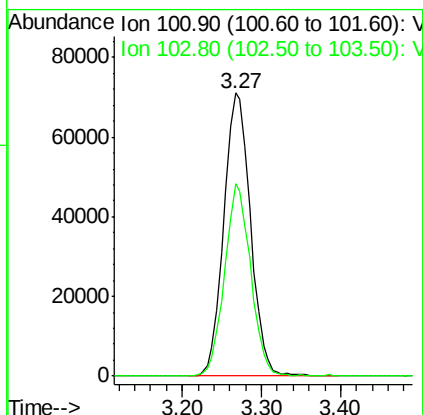
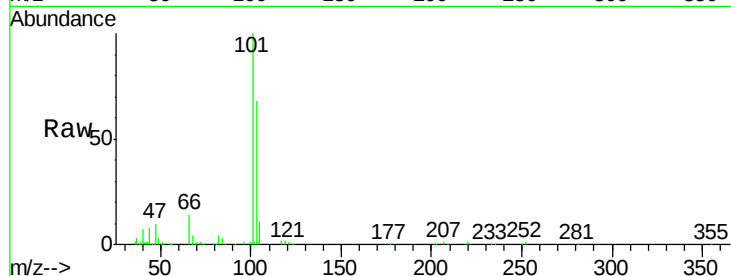
Trichlorofluoromethane
 Concen: 20.021 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	67.9	52.2	78.4

Manual Integrations
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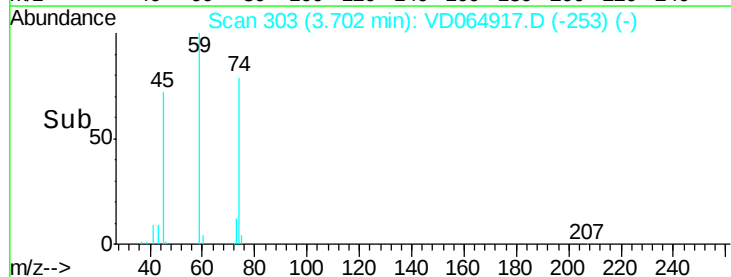
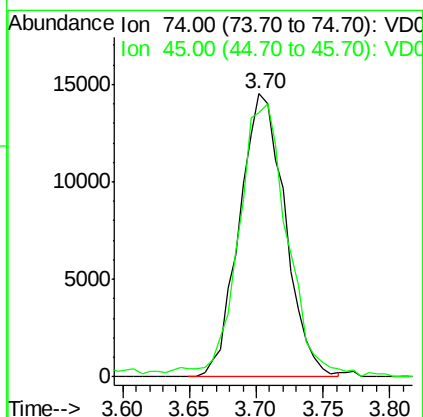
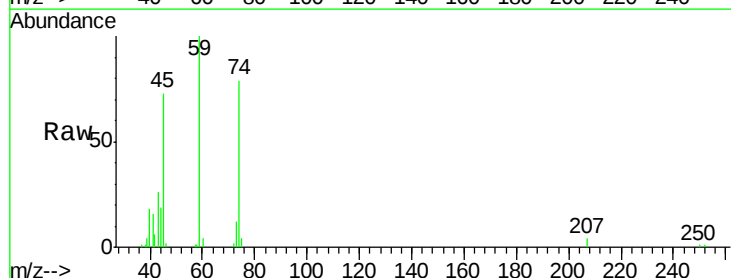
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#8

Diethyl Ether
 Concen: 21.001 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.1	47.5	142.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.946 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

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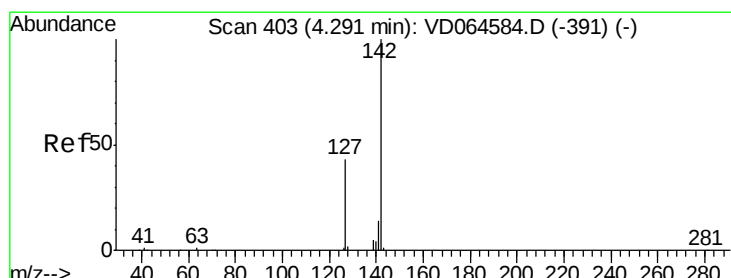
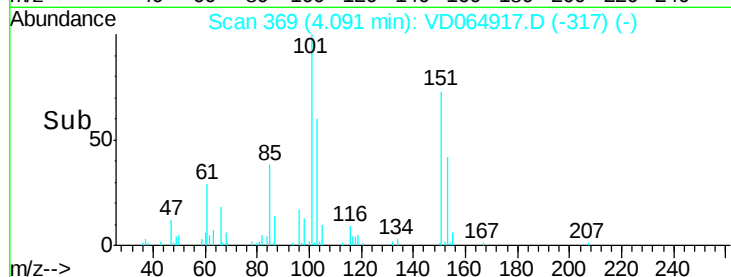
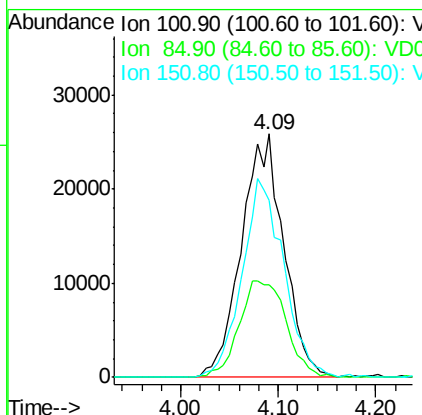
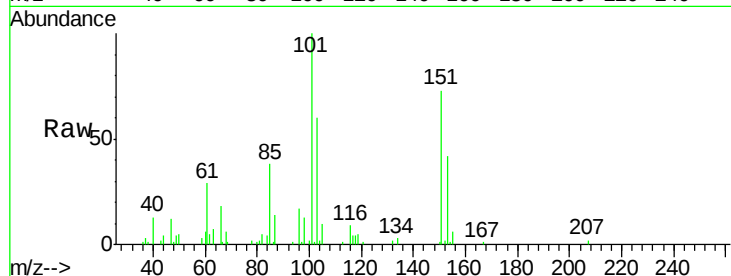
ClientSampleId :

VD0122SBS01

Tot Ion:	101	Resp:	78533
Ion Ratio	Lower	Upper	
101	100		
85	44.0	35.2	52.8
151	80.2	66.2	99.4

Manual Integrations
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#10

Methyl Iodide

Concen: 19.922 ug/l

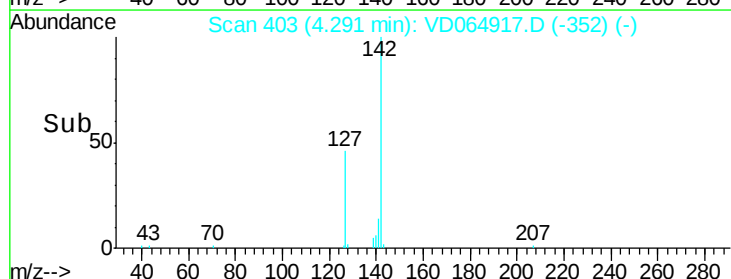
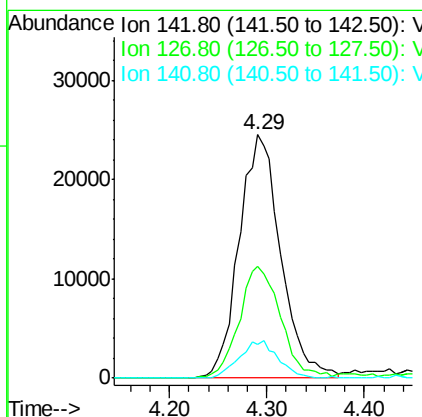
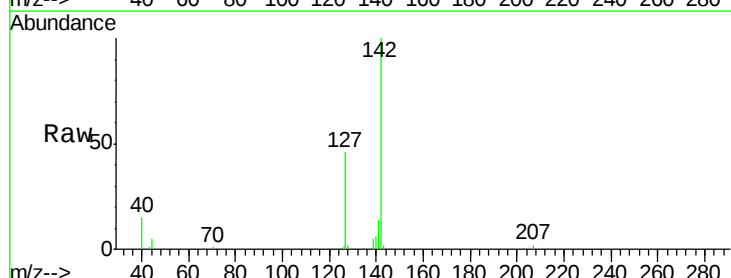
RT: 4.29 min Scan# 403

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion:	142	Resp:	73240
Ion Ratio	Lower	Upper	
142	100		
127	45.7	36.2	54.4
141	14.2	11.8	17.8





#11

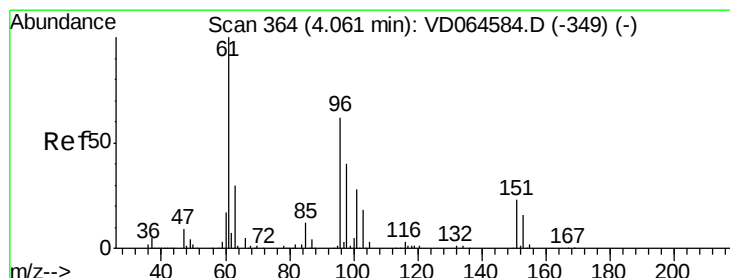
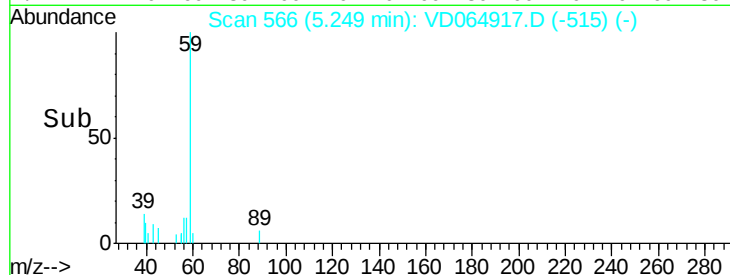
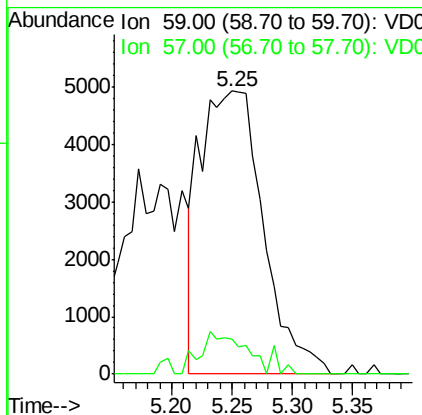
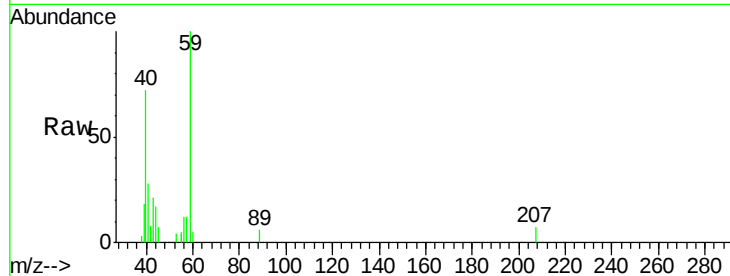
Tert butyl alcohol
 Concen: 95.363 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	59	Resp	17849
Ion Ratio	Lower	Upper	
59	100		
57	10.4	9.3	13.9

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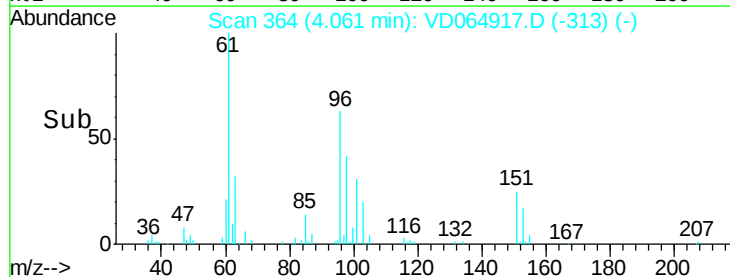
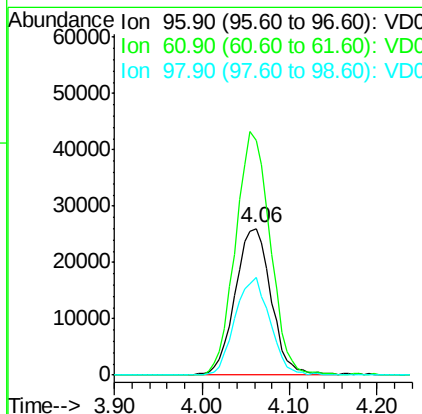
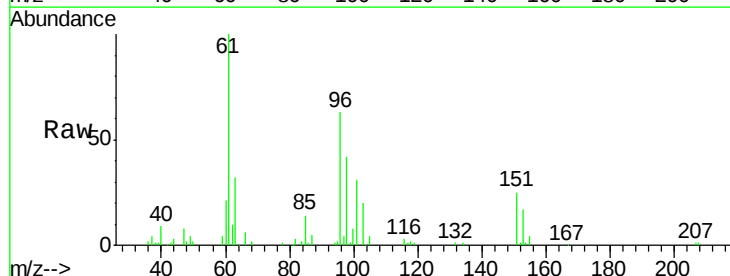
MMDadoda
 1/23/2020 11:13:41 AM

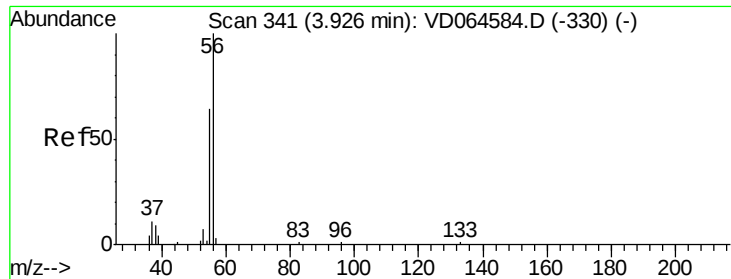


#12

1,1-Dichloroethene
 Concen: 22.296 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	96	Resp	72651
Ion Ratio	Lower	Upper	
96	100		
61	159.8	129.4	194.0
98	66.5	51.4	77.0





#13

Acrolein

Concen: 68.956 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 56 Resp: 17987

Ion Ratio Lower Upper

56 100

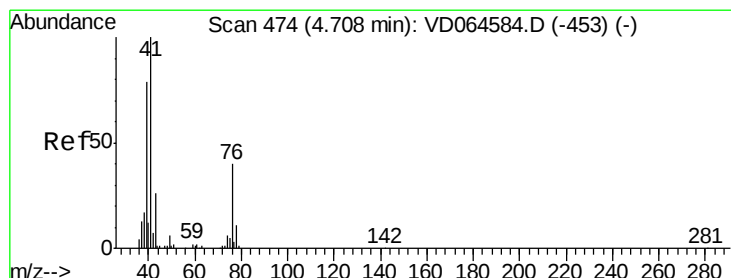
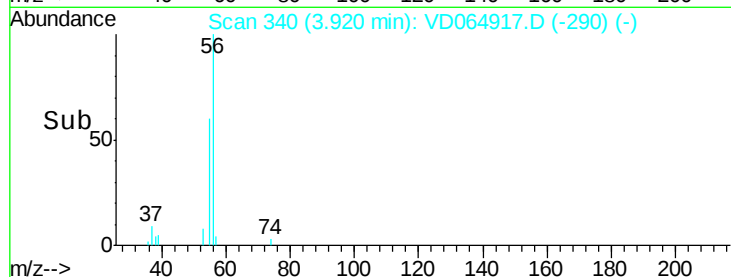
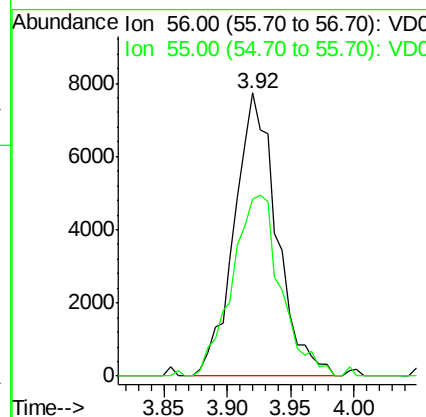
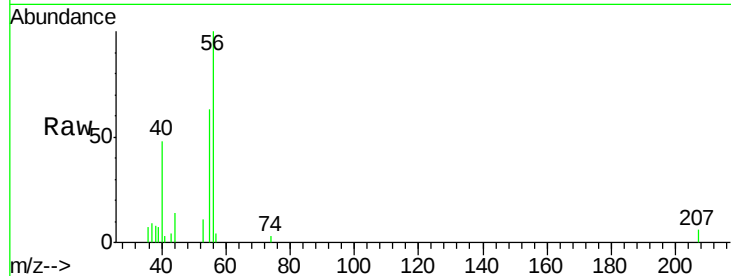
55 73.1 56.7 85.1

Manual Integrations

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#14

Allyl chloride

Concen: 22.859 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

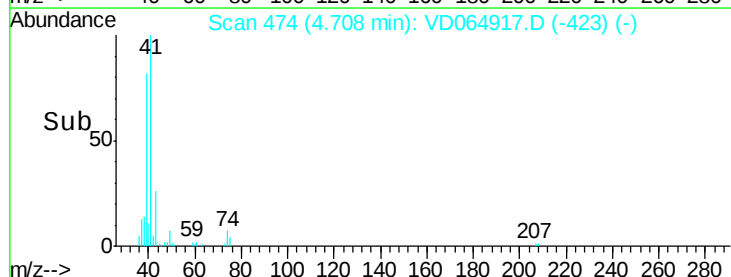
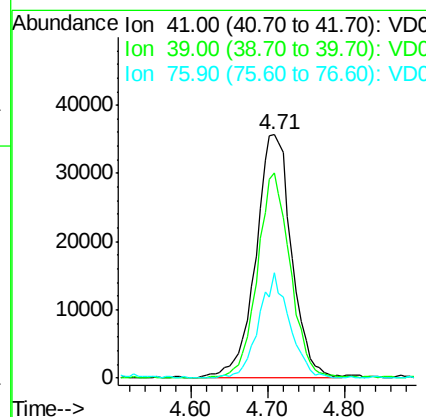
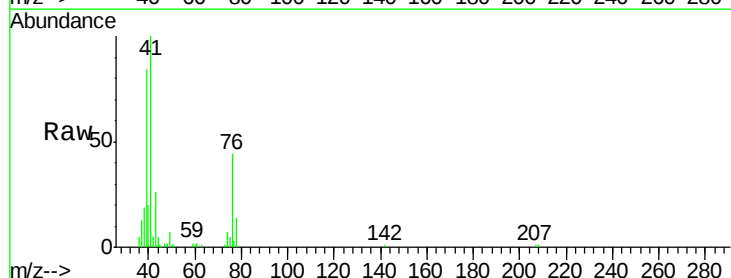
Tgt Ion: 41 Resp: 116132

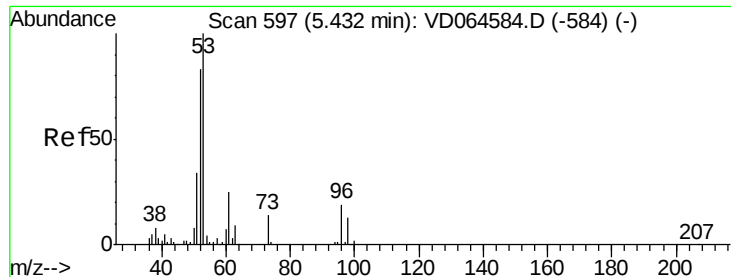
Ion Ratio Lower Upper

41 100

39 77.3 62.3 93.5

76 37.0 29.7 44.5





#15

Acrylonitrile

Concen: 109.828 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

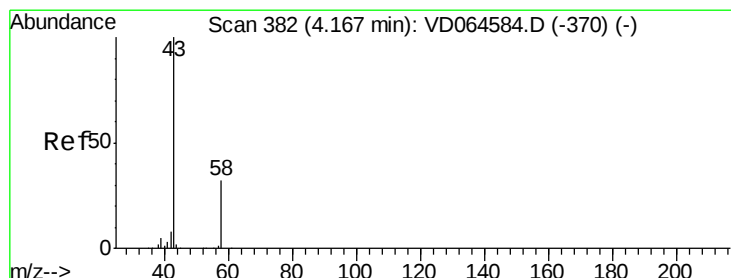
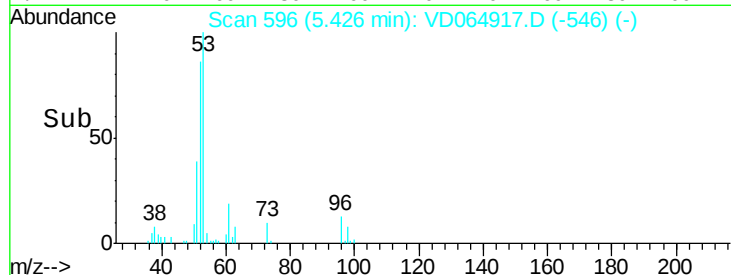
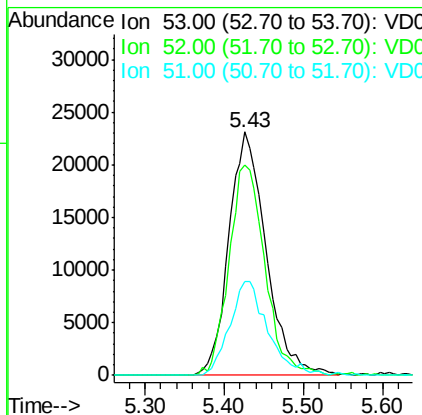
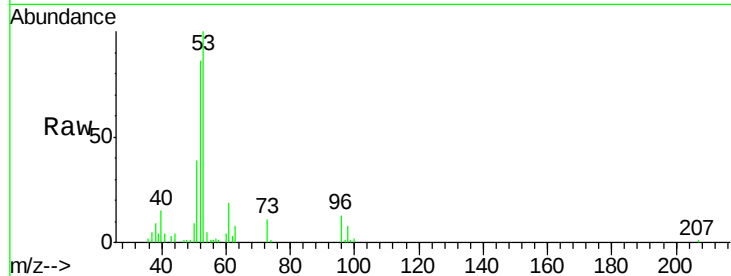
ClientSampleId :

VD0122SBS01

Tot Ion:	53	Resp:	75076
Ion	Ratio	Lower	Upper
53	100		
52	83.5	66.2	99.2
51	39.5	30.1	45.1

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#16

Acetone

Concen: 107.442 ug/l

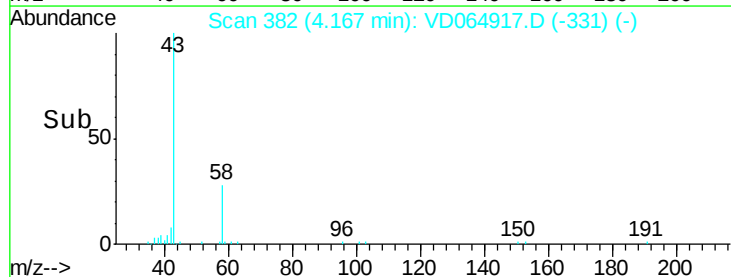
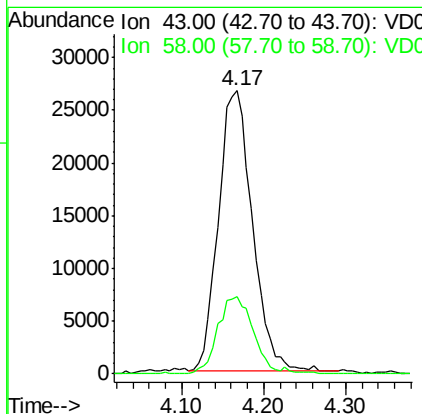
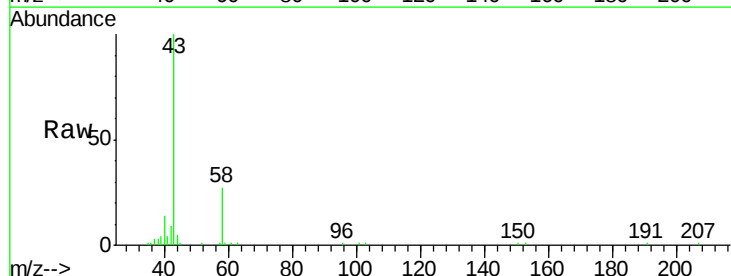
RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion:	43	Resp:	77267
Ion	Ratio	Lower	Upper
43	100		
58	27.7	25.8	38.6





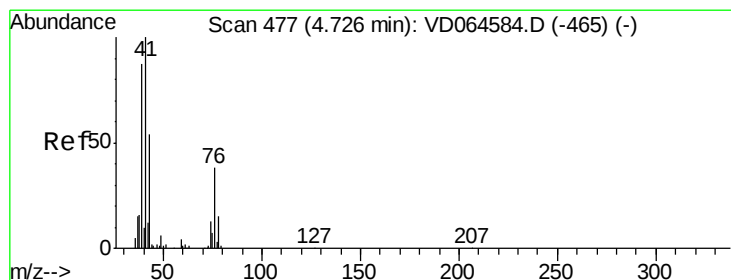
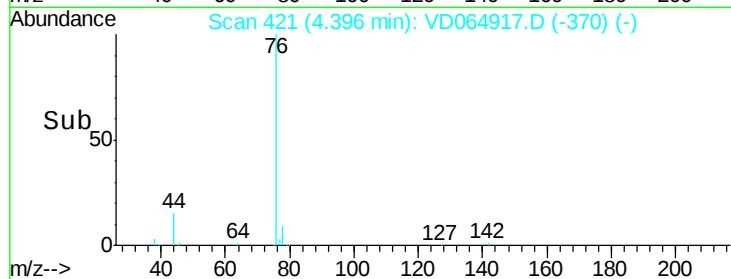
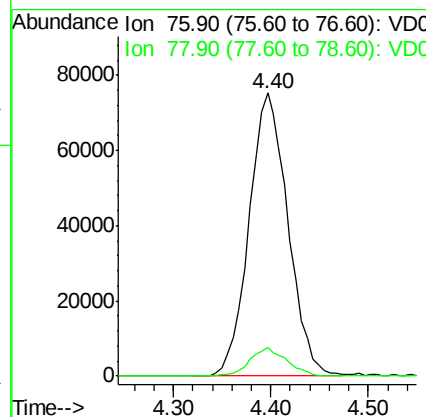
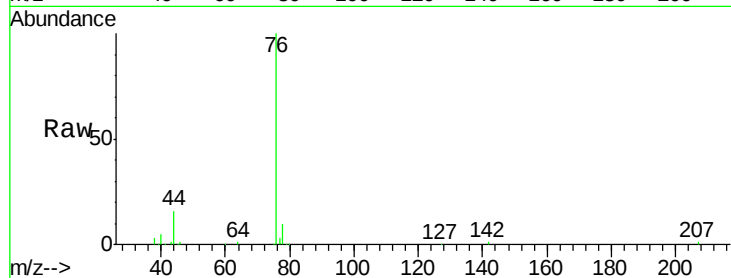
#17
Carbon Disulfide
Concen: 19.894 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	10.0	7.3	10.9

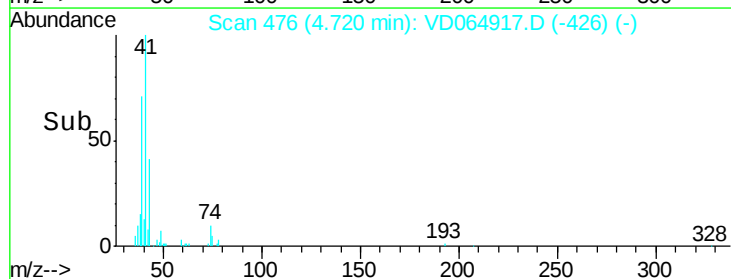
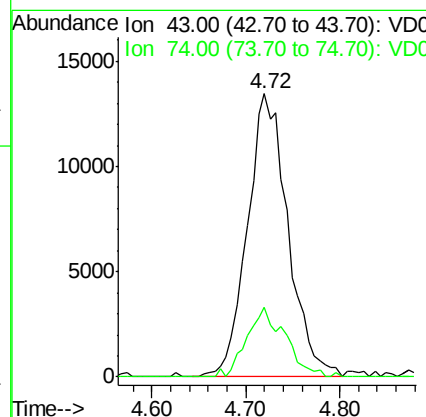
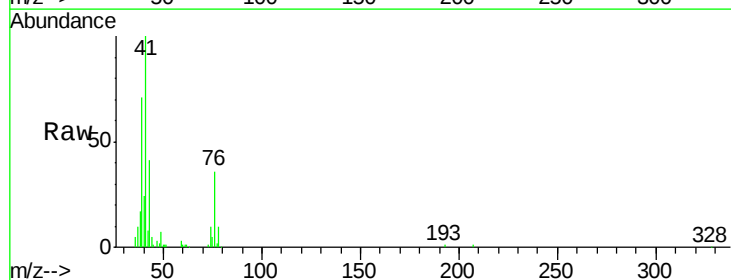
Manual Integrations
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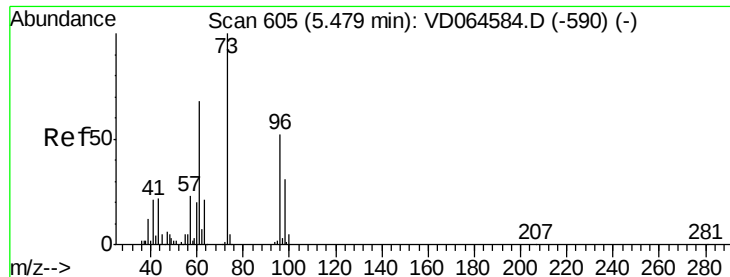
MMDadoda
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#18
Methyl Acetate
Concen: 21.863 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.2	19.2	28.8





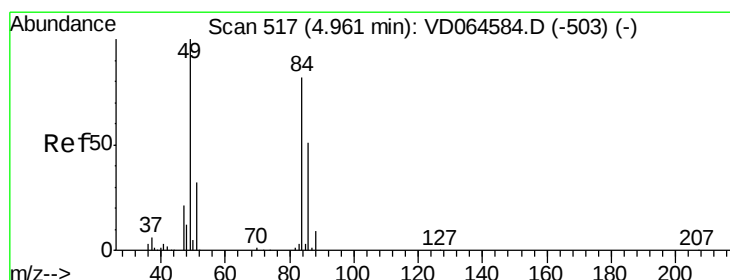
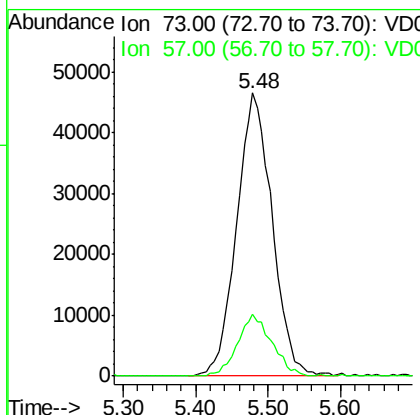
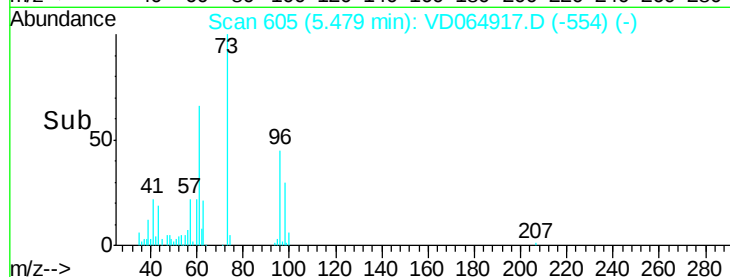
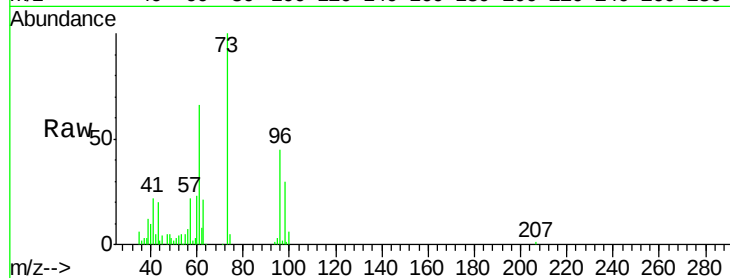
#19
Methvl tert-butvl Ether
Concen: 21.863 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion: 73 Resp: 158232
Ion Ratio Lower Upper
73 100
57 21.9 18.6 27.8

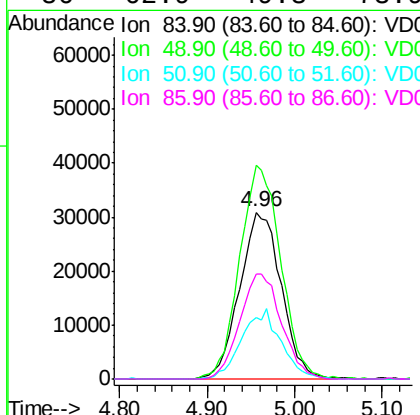
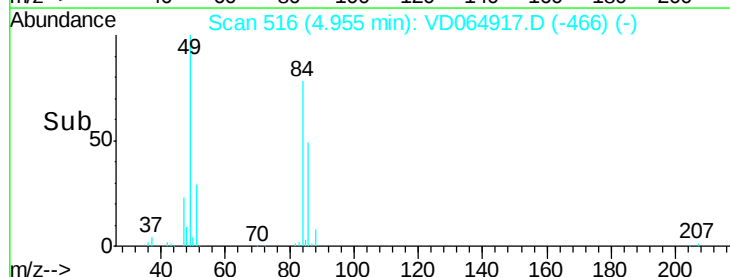
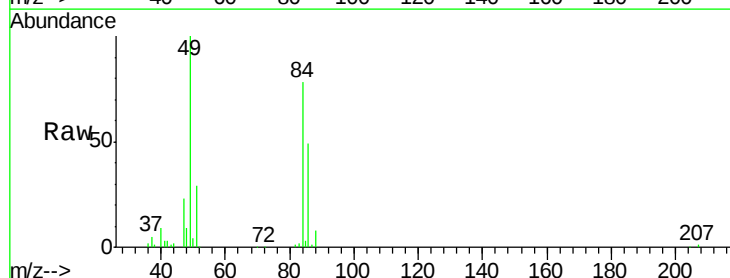
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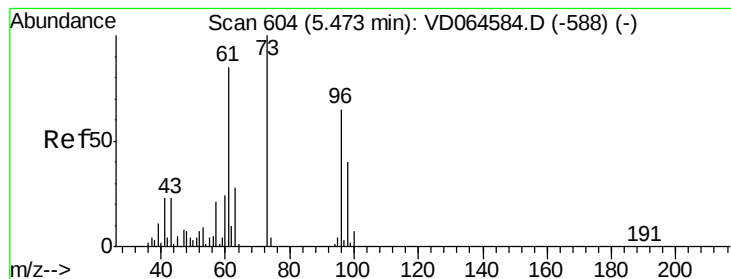
MMDadoda
1/23/2020 11:13:41 AM



#20
Methylene Chloride
Concen: 27.607 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion: 84 Resp: 99522
Ion Ratio Lower Upper
84 100
49 128.0 97.2 145.8
51 36.9 31.4 47.0
86 62.9 49.3 73.9





#21

trans-1,2-Dichloroethene

Concen: 22.377 ug/l

RT: 5.46 min Scan# 602

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 96 Resp: 83038

Ion Ratio Lower Upper

96 100

61 122.6 104.7 157.1

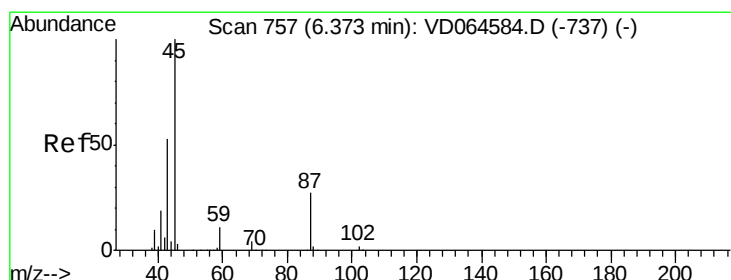
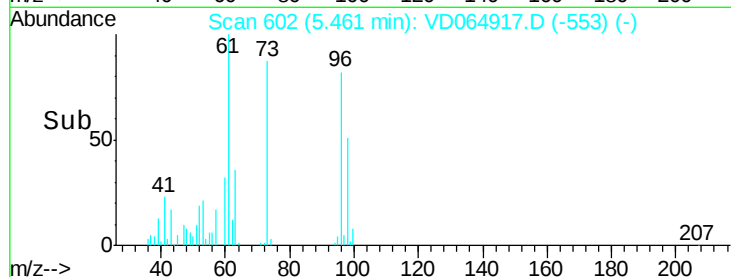
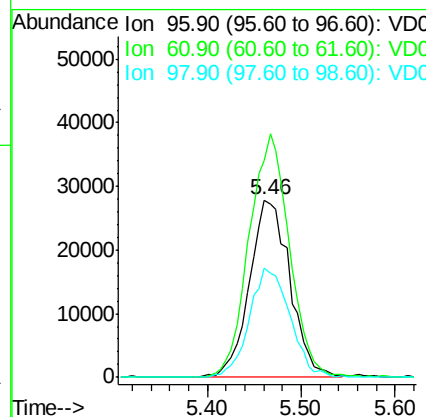
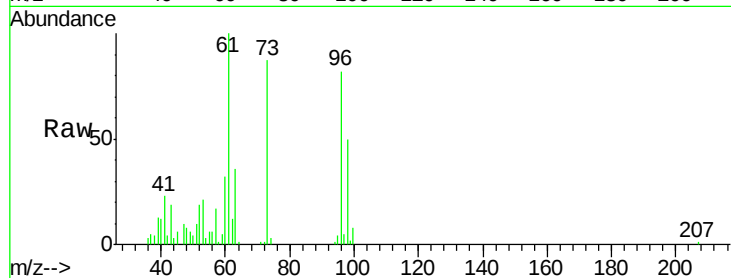
98 61.9 49.4 74.2

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#22

Diisopropyl ether

Concen: 23.074 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion: 45 Resp: 233809

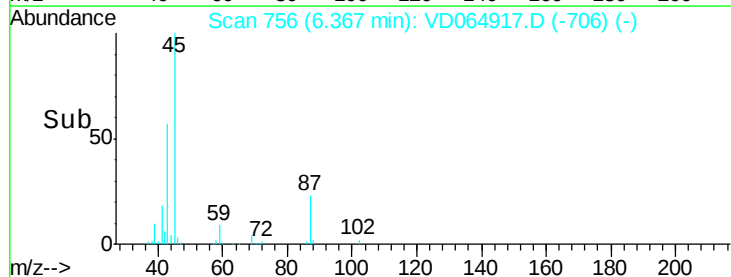
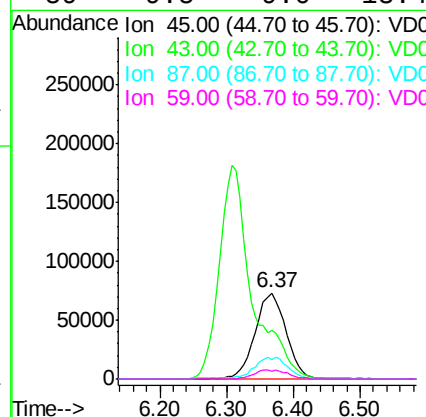
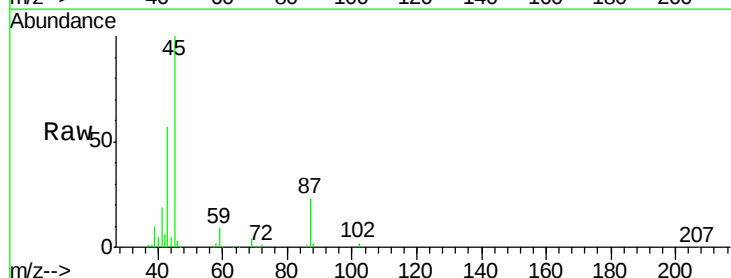
Ion Ratio Lower Upper

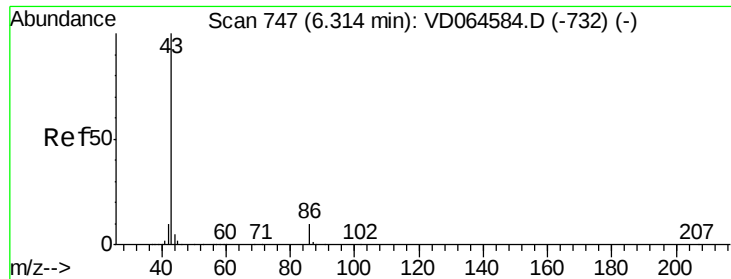
45 100

43 56.2 43.2 64.8

87 22.8 21.9 32.9

59 9.5 9.0 13.4





#23

Vinyl Acetate

Concen: 108.823 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 43 Resp: 625537

Ion Ratio Lower Upper

43 100

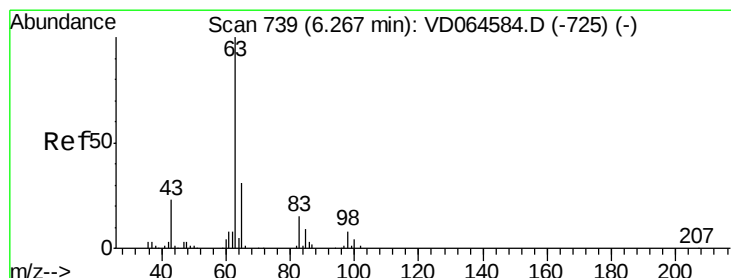
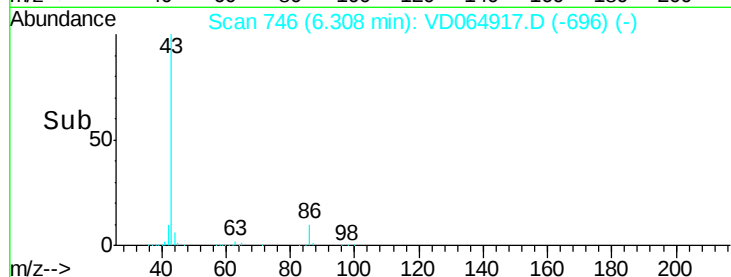
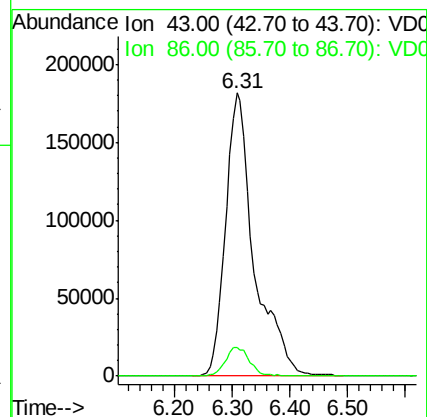
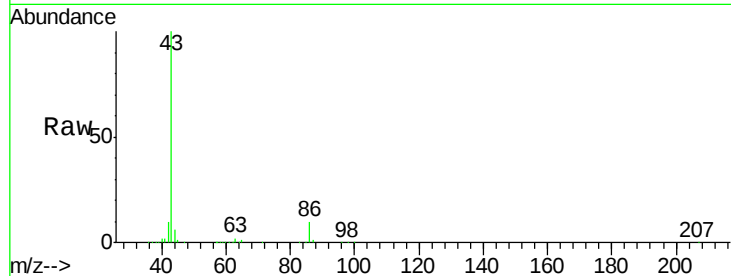
86 10.2 8.3 12.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 23.807 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

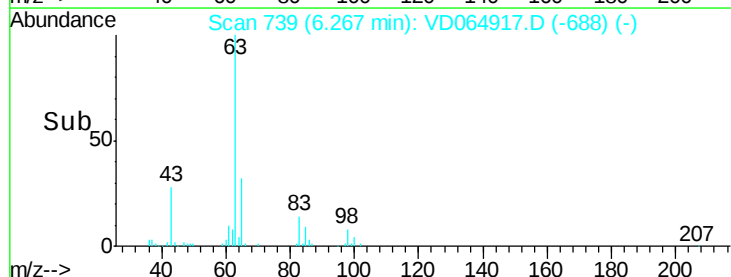
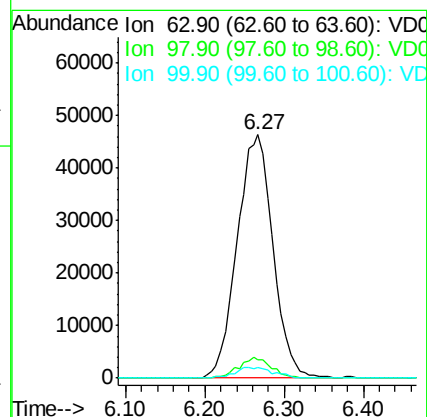
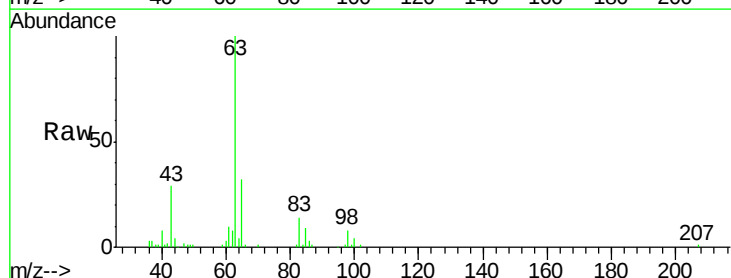
Tgt Ion: 63 Resp: 144827

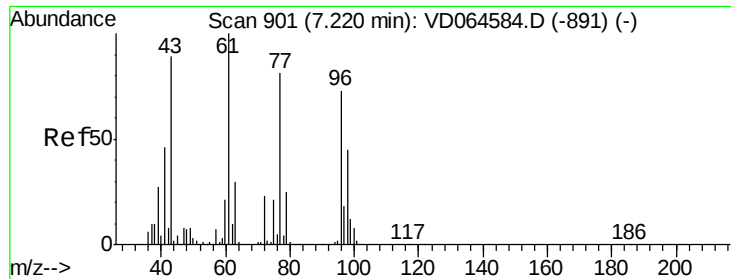
Ion Ratio Lower Upper

63 100

98 7.5 4.1 12.3

100 4.3 2.2 6.6





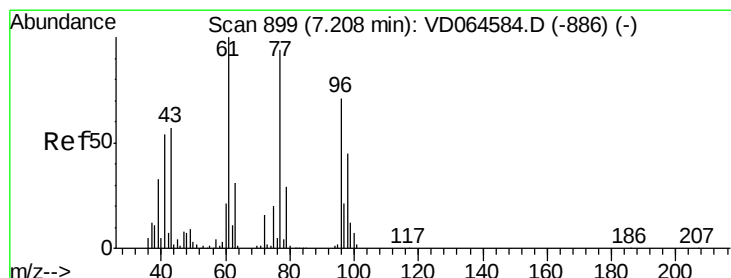
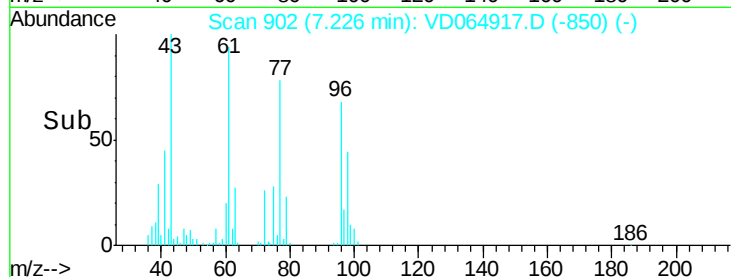
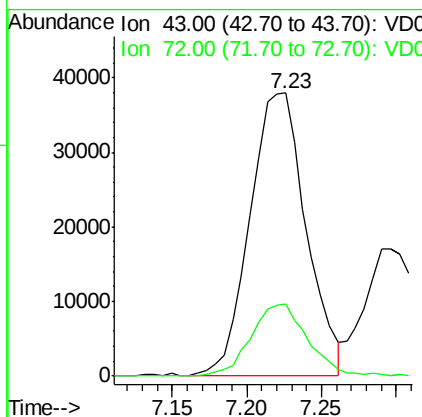
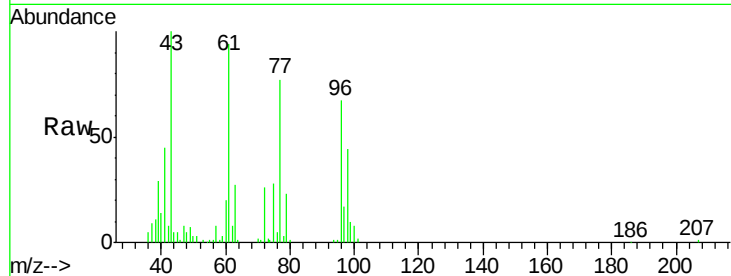
#25
2-Butanone
Concen: 110.756 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion: 43 Resp: 99427
Ion Ratio Lower Upper
43 100
72 25.7 20.7 31.1

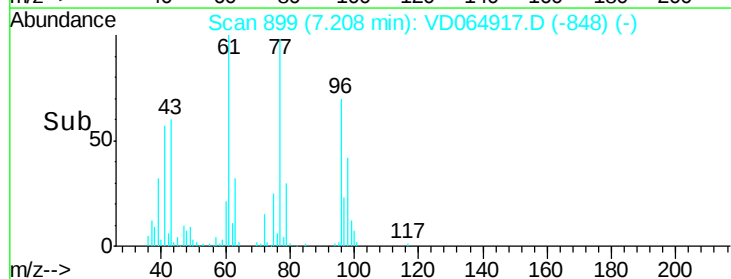
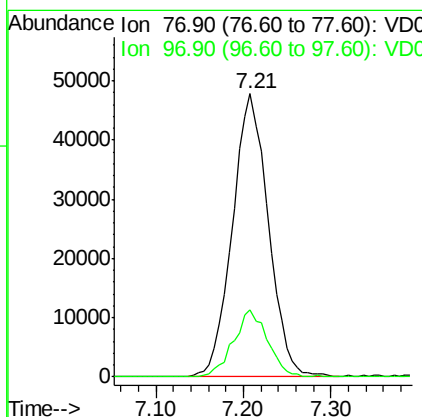
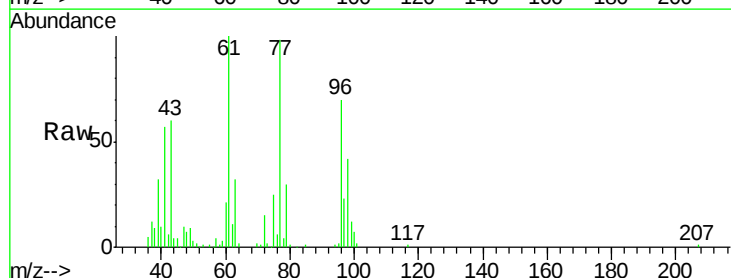
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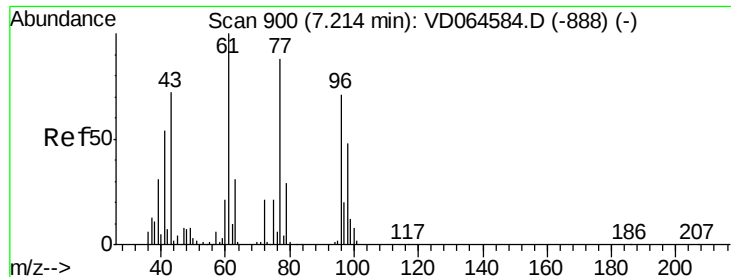
MMDadoda
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#26
2,2-Dichloropropane
Concen: 23.587 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion: 77 Resp: 133407
Ion Ratio Lower Upper
77 100
97 22.4 11.2 33.6





#27

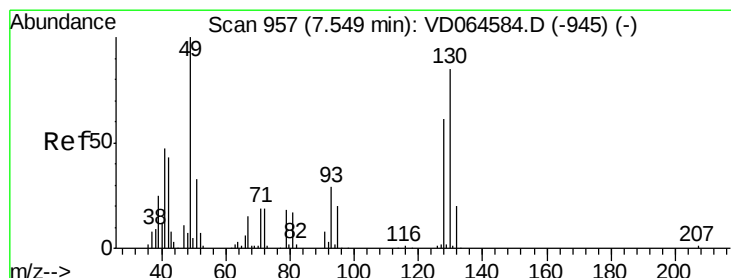
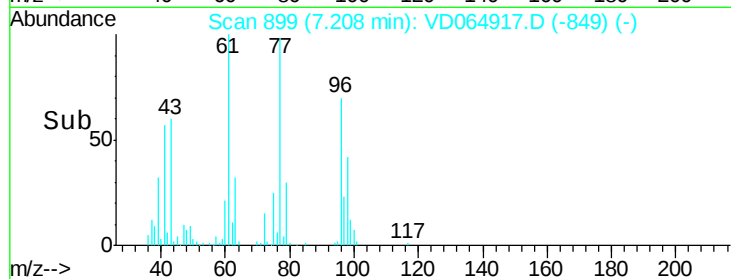
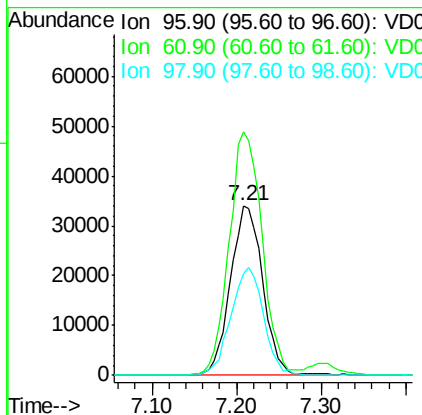
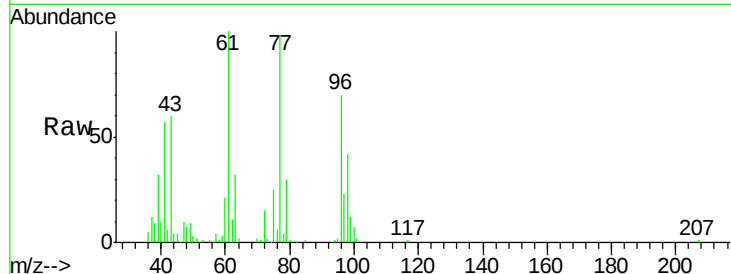
cis-1,2-Dichloroethene
 Concen: 22.378 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	146.7	0.0	282.6
98	64.4	0.0	130.8

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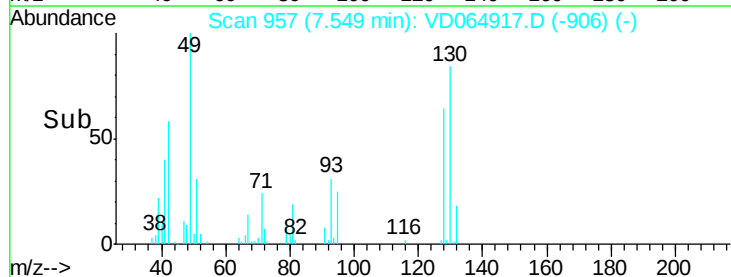
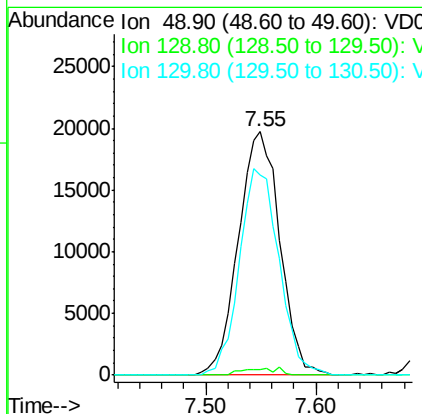
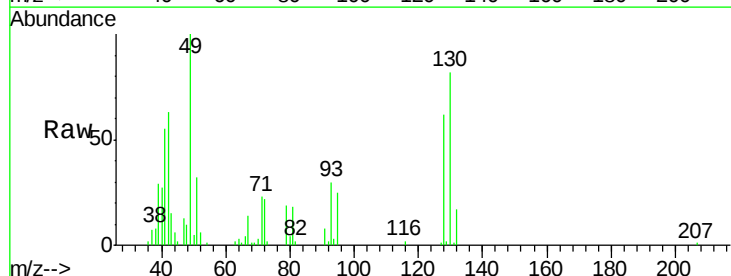
MMDadoda
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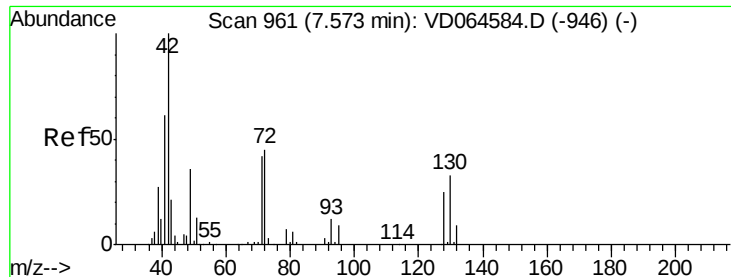


#28

Bromochloromethane
 Concen: 21.998 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	81.0	65.0	97.6





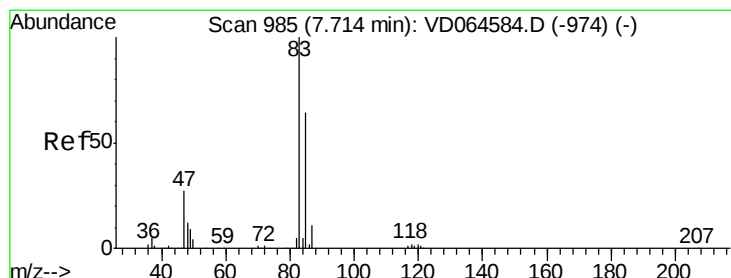
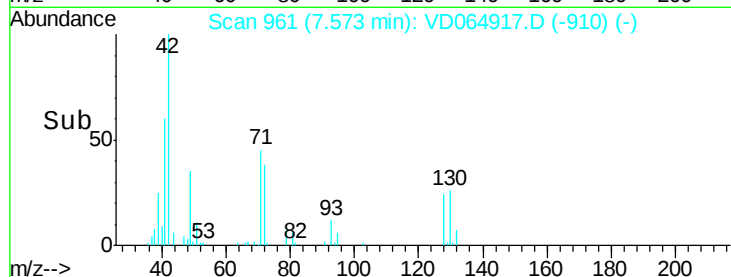
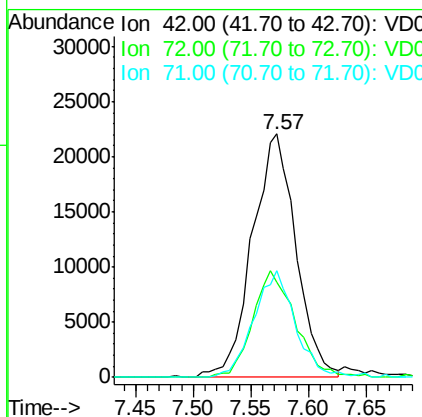
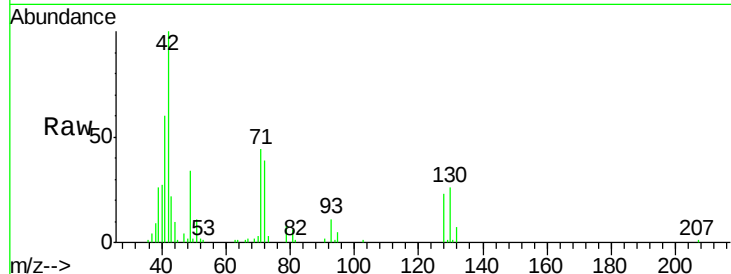
#29
Tetrahydrofuran
Concen: 104.099 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.0	35.0	52.4
71	41.5	32.9	49.3

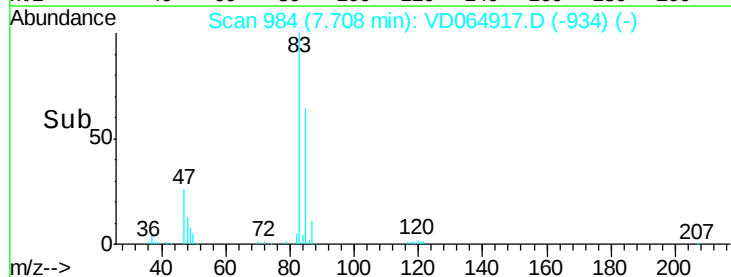
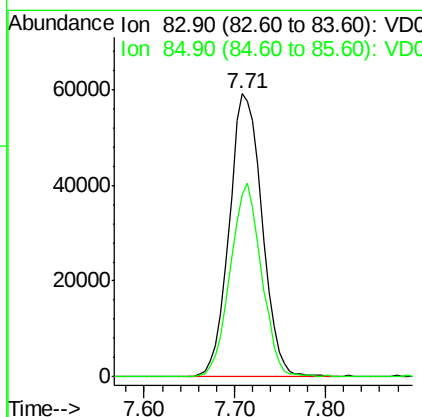
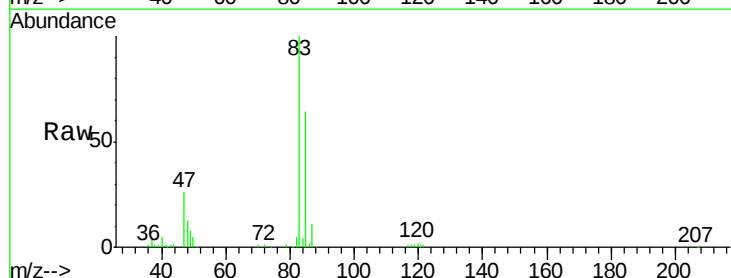
Manual Integrations
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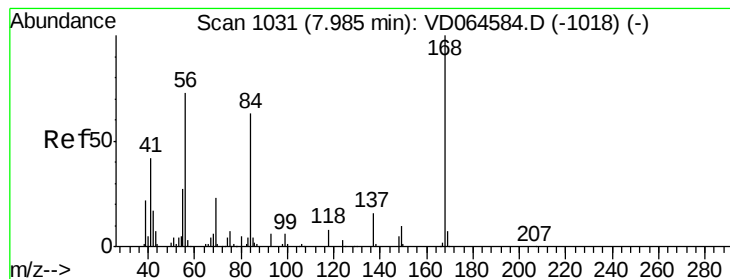
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#30
Chloroform
Concen: 23.328 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.3	51.1	76.7





#31

Cyclohexane

Concen: 21.197 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 56 Resp: 129076

Ion Ratio Lower Upper

56 100

69 36.2 24.7 37.1

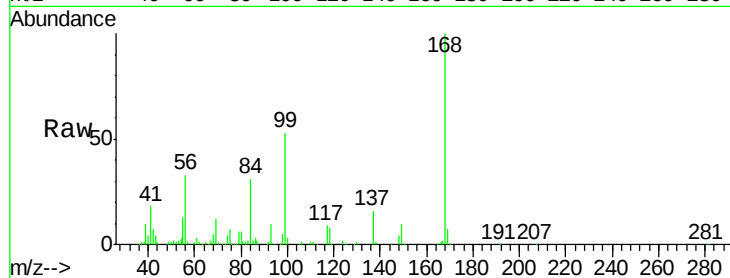
84 93.7 69.4 104.2

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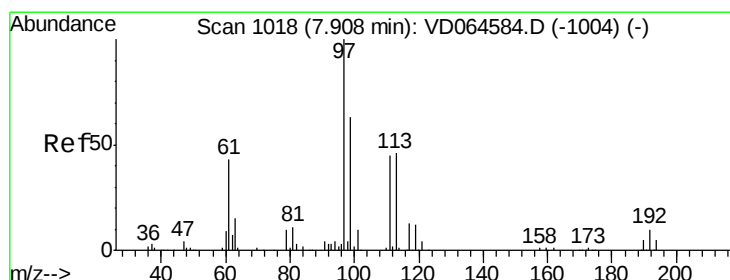
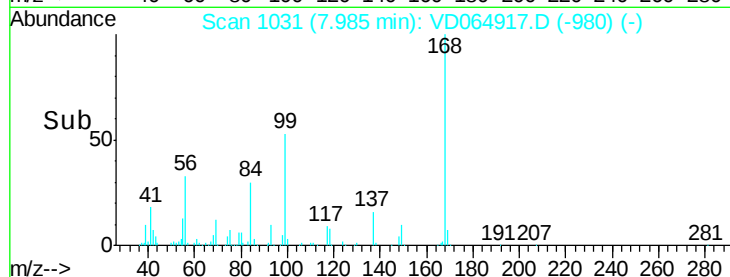
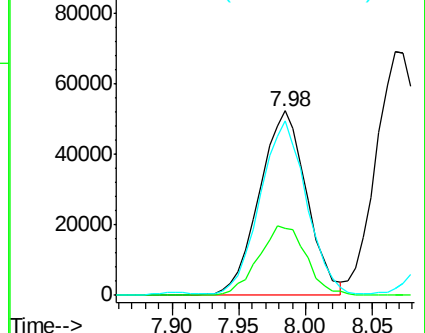
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 23.385 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

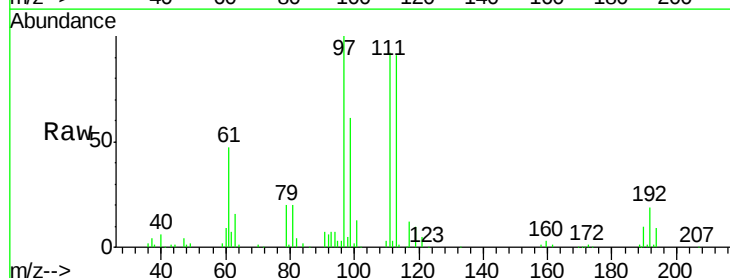
Tgt Ion: 97 Resp: 140189

Ion Ratio Lower Upper

97 100

99 65.6 51.0 76.6

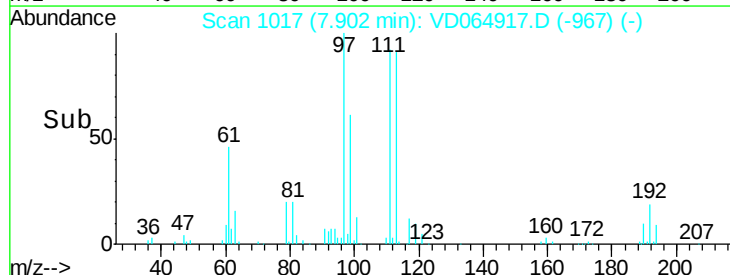
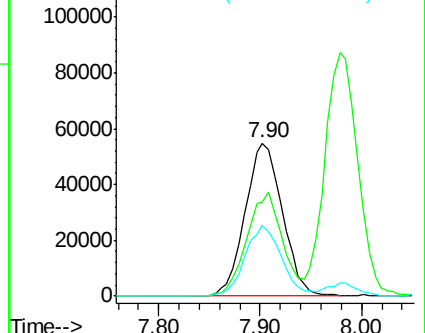
61 45.2 35.4 53.0

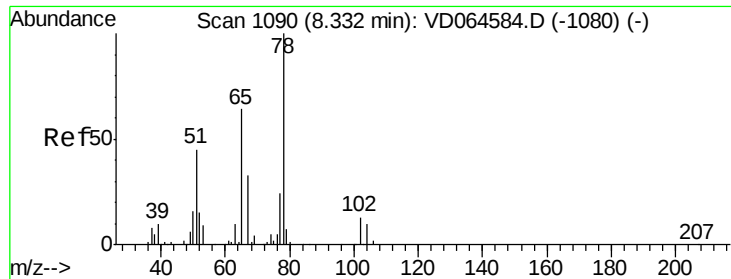


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 58.194 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 65 Resp: 190054

Ion Ratio Lower Upper

65 100

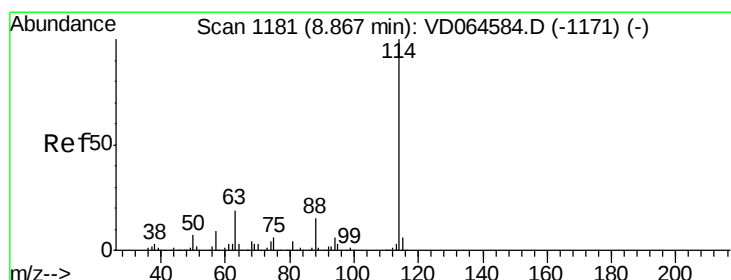
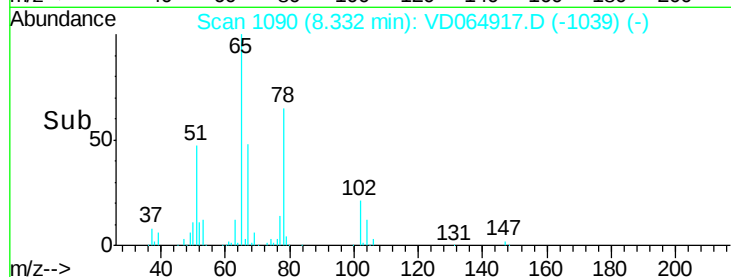
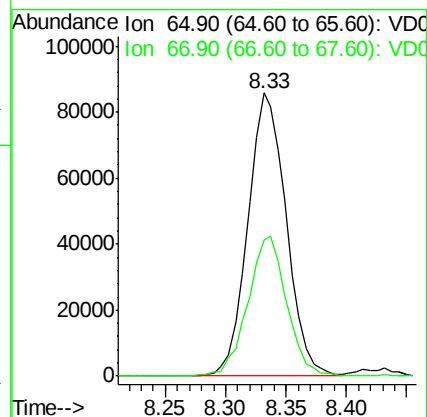
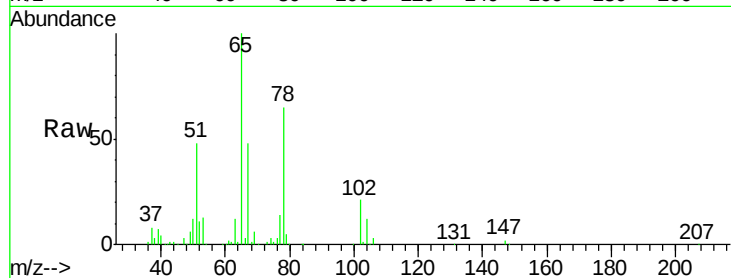
67 50.2 0.0 106.2

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

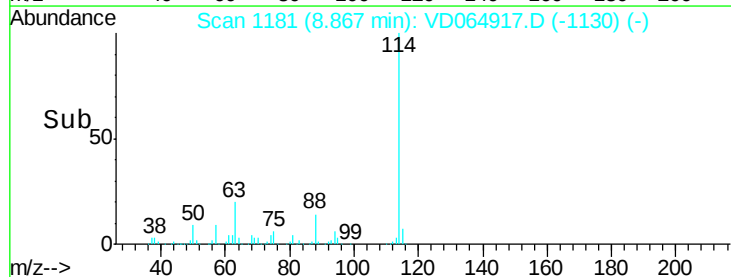
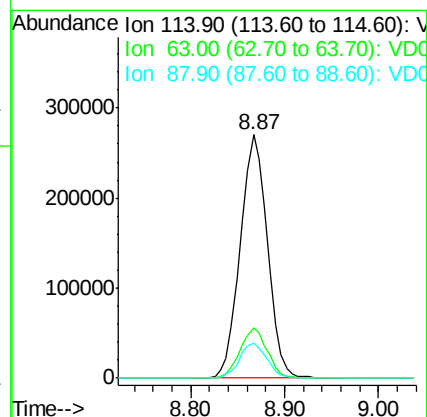
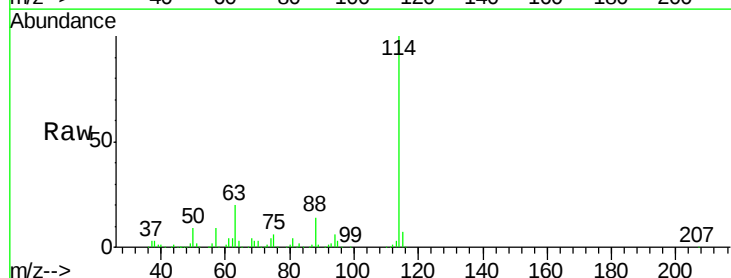
Tgt Ion: 114 Resp: 543152

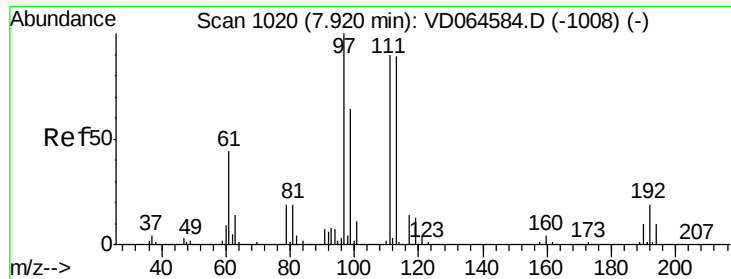
Ion Ratio Lower Upper

114 100

63 20.5 0.0 38.0

88 14.4 0.0 29.2





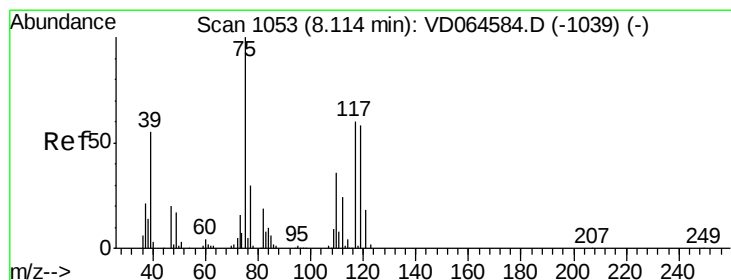
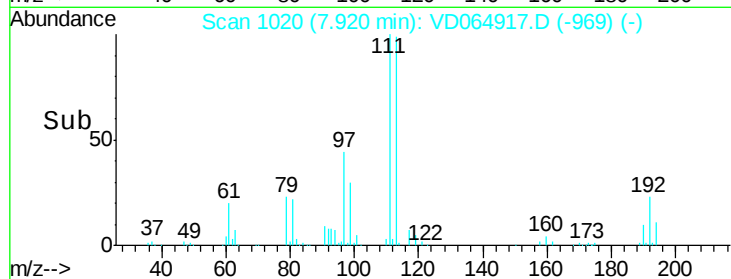
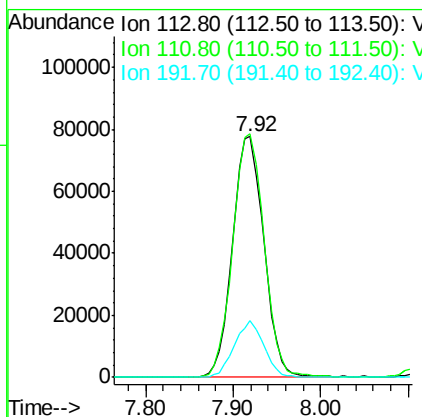
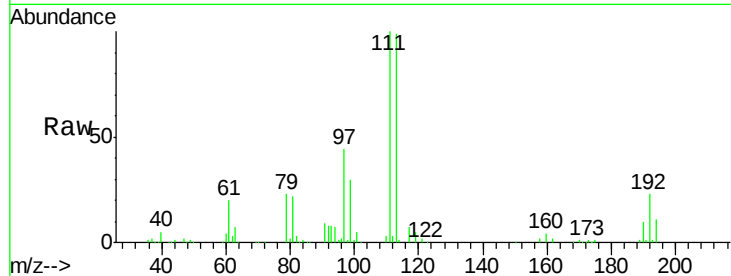
#35
 Dibromofluoromethane
 Concen: 56.719 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	189006		
111	101.5	80.6	121.0	
192	22.1	17.9	26.9	

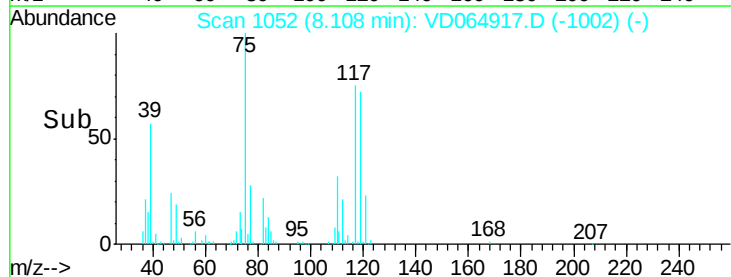
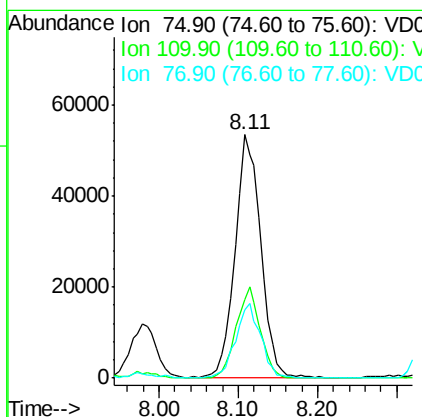
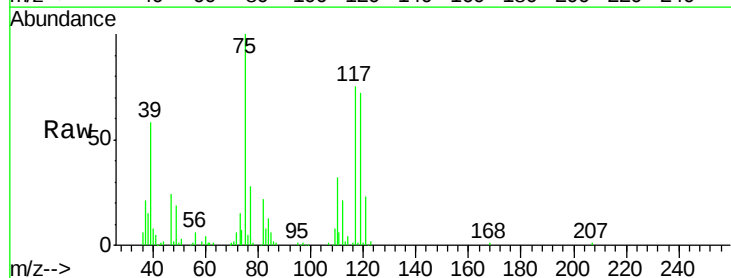
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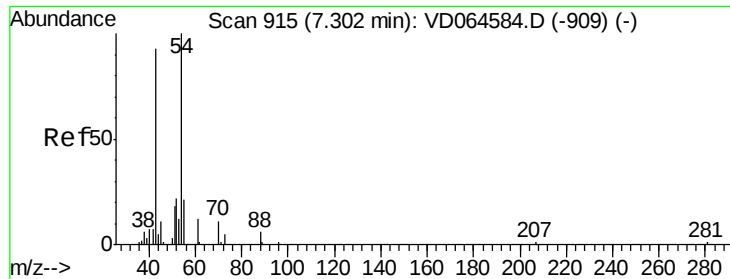
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#36
 1,1-Dichloropropene
 Concen: 23.033 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	120411		
110	34.7	18.1	54.1	
77	29.7	24.2	36.4	





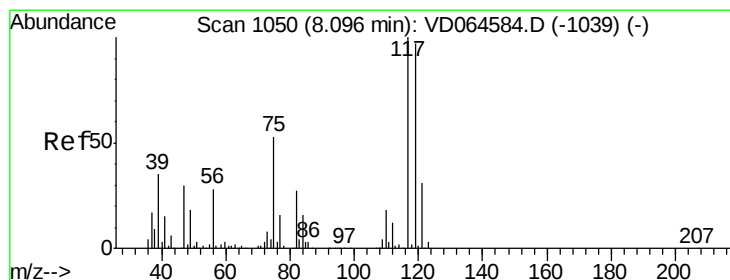
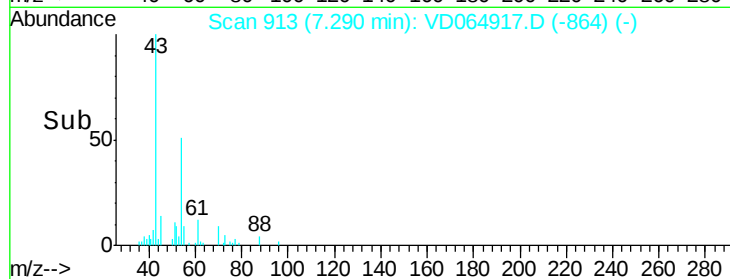
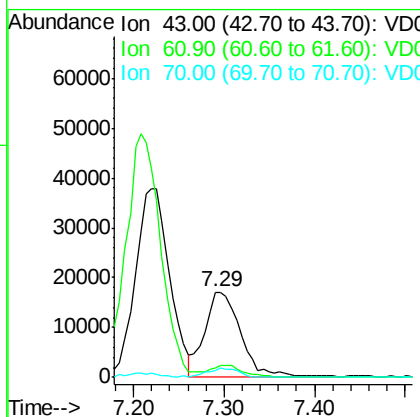
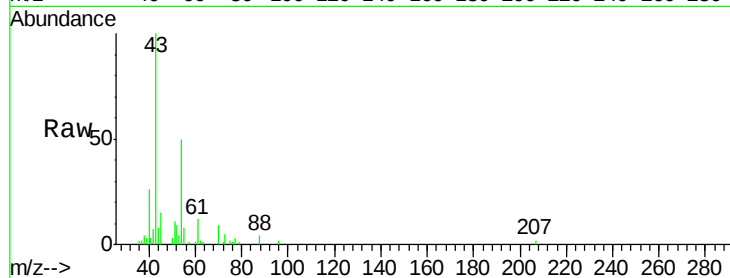
#37
Ethyl Acetate
Concen: 23.444 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.3	15.5
70	9.4	7.6	11.4

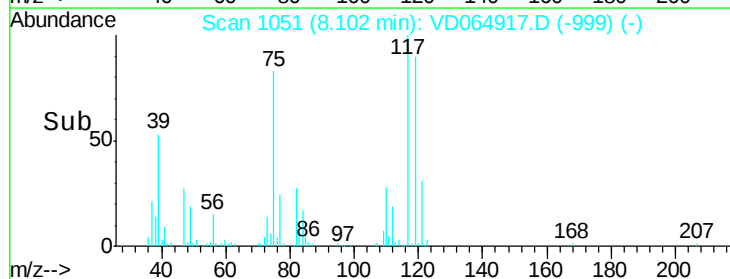
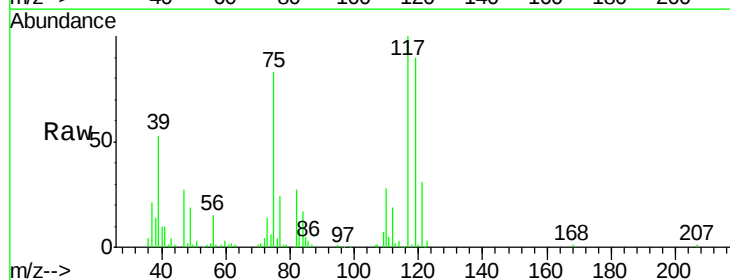
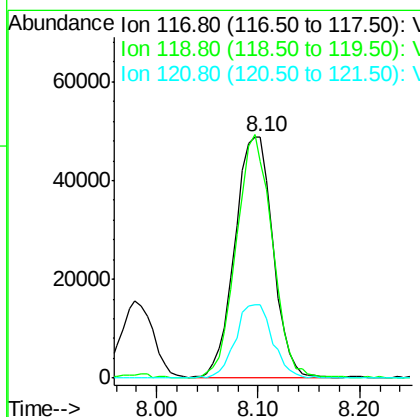
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#38
Carbon Tetrachloride
Concen: 22.937 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.6	77.3	115.9
121	30.6	25.0	37.6





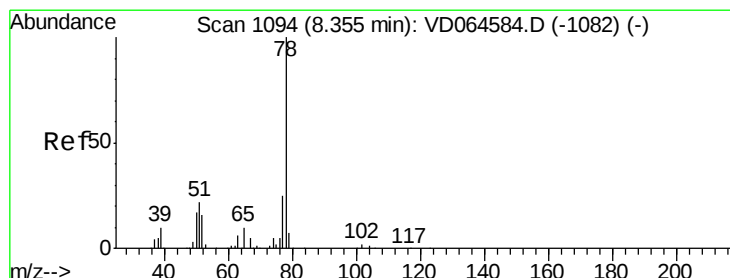
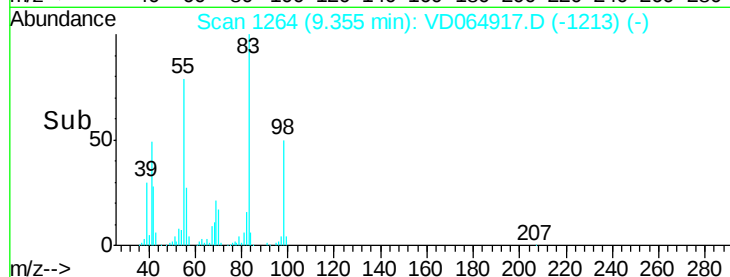
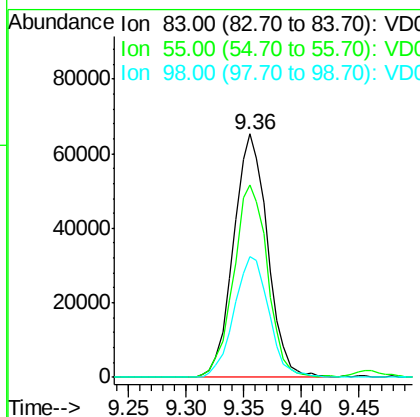
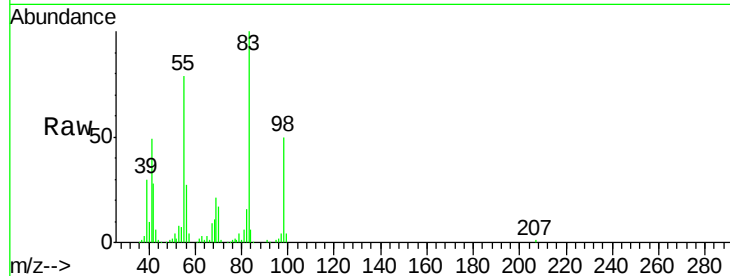
#39
Methvlcvclohexane
Concen: 21.020 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	78.9	57.8	86.6
98	49.8	38.7	58.1

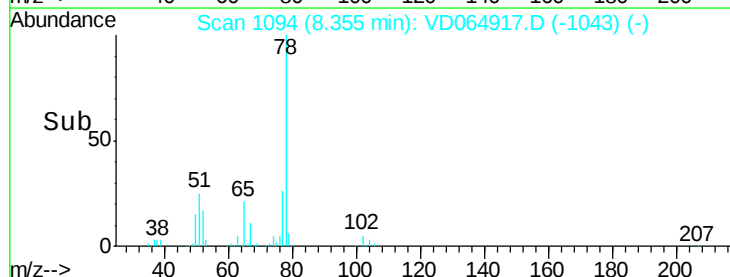
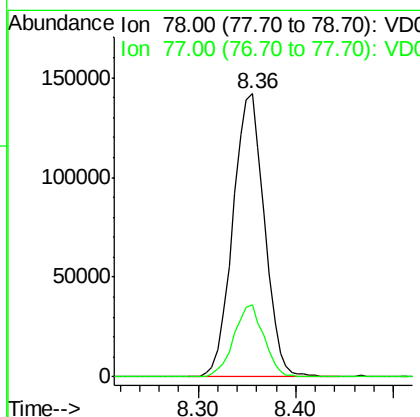
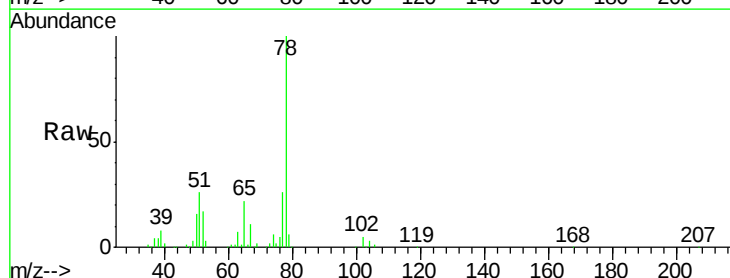
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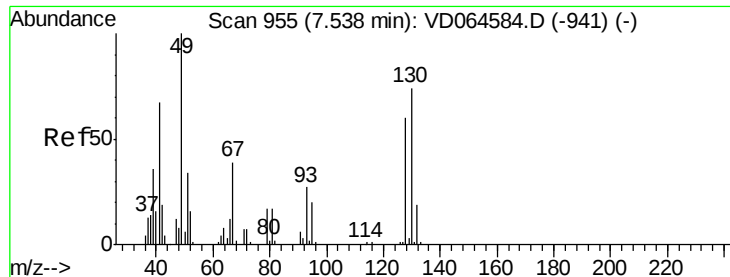
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#40
Benzene
Concen: 22.299 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.9	29.9





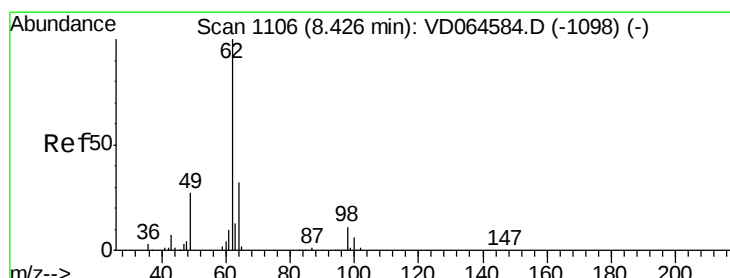
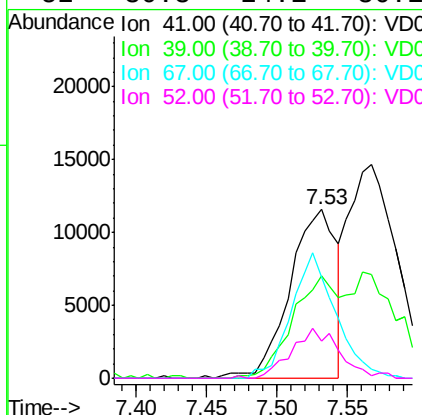
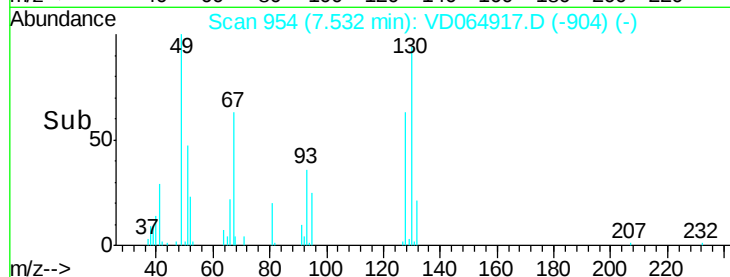
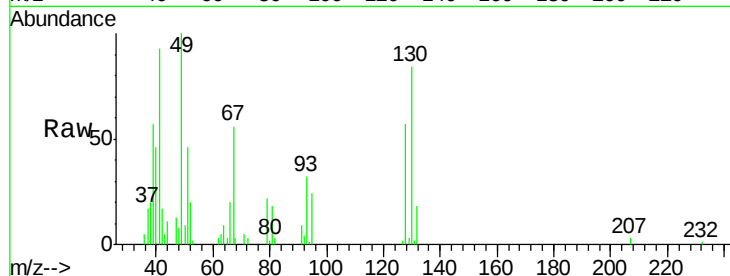
#41
Methacrylonitrile
Concen: 22.303 ug/l
RT: 7.53 min Scan# 954
Delta R.T. -0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.8	46.7	70.1
67	71.3	52.5	78.7
52	30.3	24.1	36.1

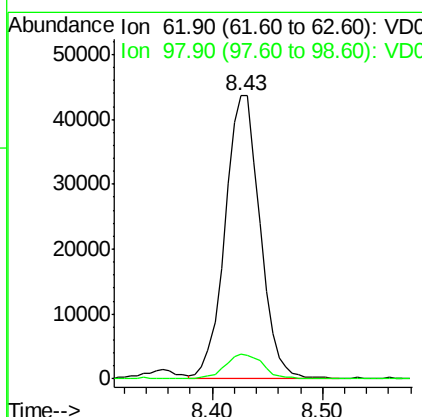
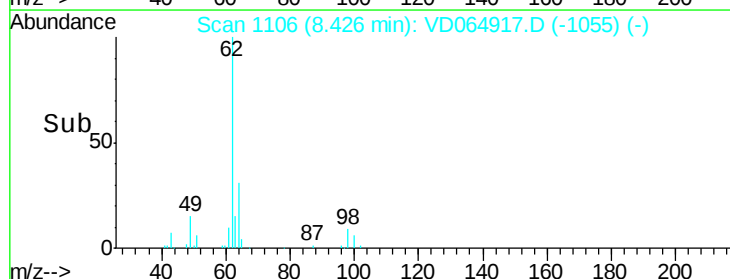
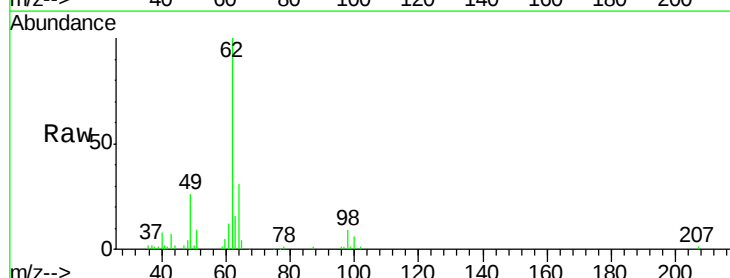
Manual Integrations
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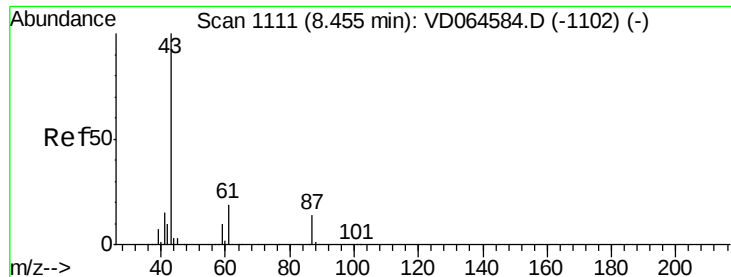
MMDadoda
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#42
1,2-Dichloroethane
Concen: 23.550 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.5	0.0	20.0





#43

Isopropyl Acetate

Concen: 21.009 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

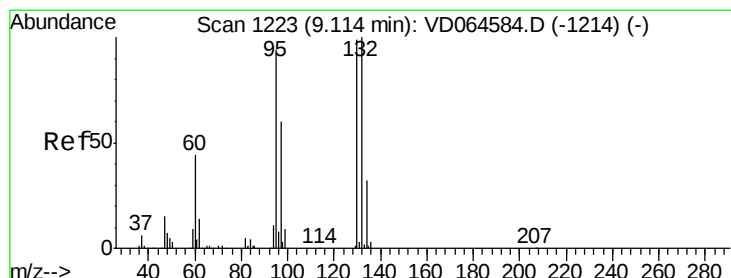
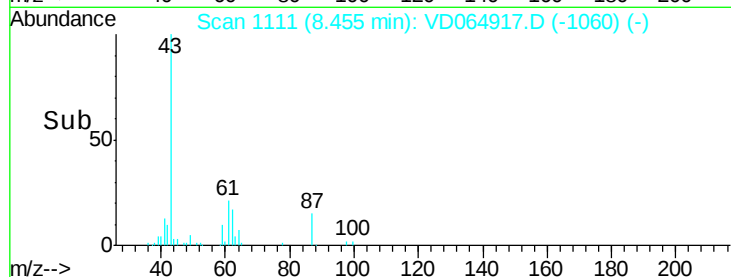
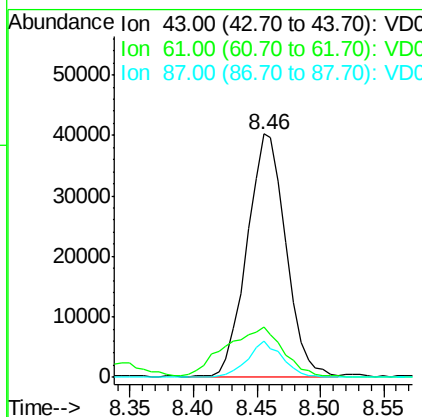
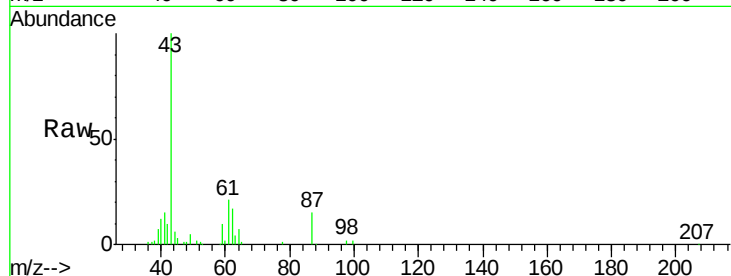
ClientSampleID :

VD0122SBS01

Tot Ion:	43	Resp:	85883
Ion	Ratio	Lower	Upper
43	100		
61	31.0	23.7	35.5
87	13.2	10.5	15.7

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1/23/2020 11:13:41 AM



#44

Trichloroethene

Concen: 21.577 ug/l

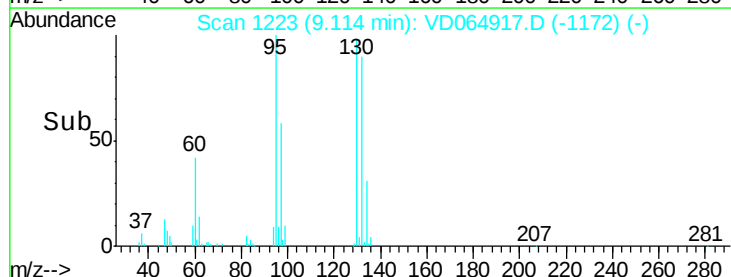
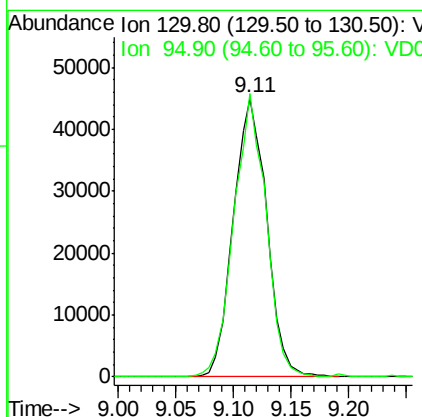
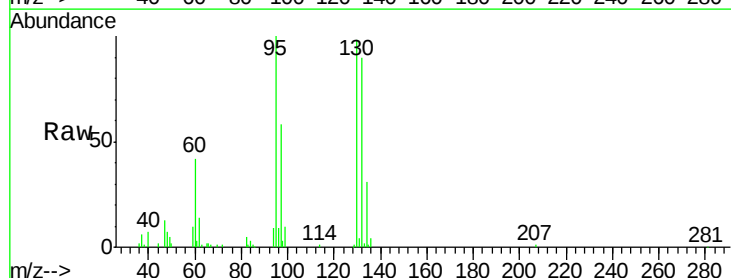
RT: 9.11 min Scan# 1223

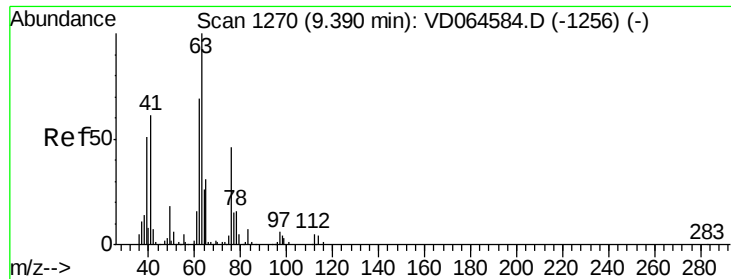
Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion:	130	Resp:	90461
Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	190.2





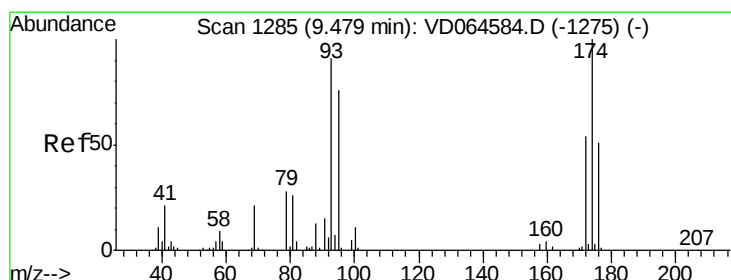
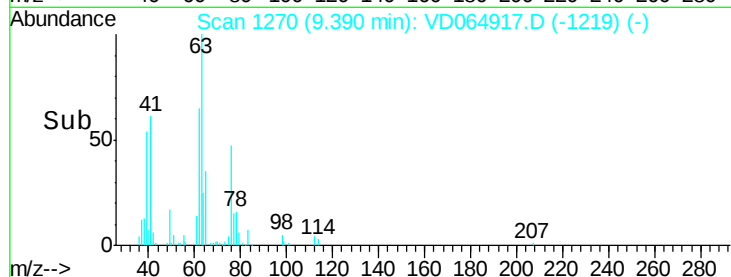
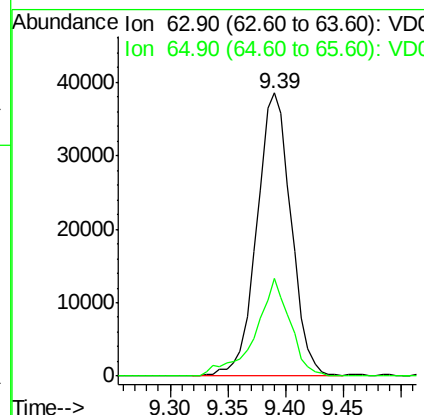
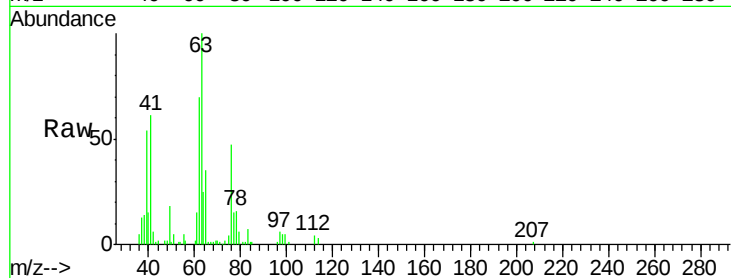
#45
 1,2-Dichloropropane
 Concen: 23.413 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion: 63 Resp: 79779
 Ion Ratio Lower Upper
 63 100
 65 34.5 25.2 37.8

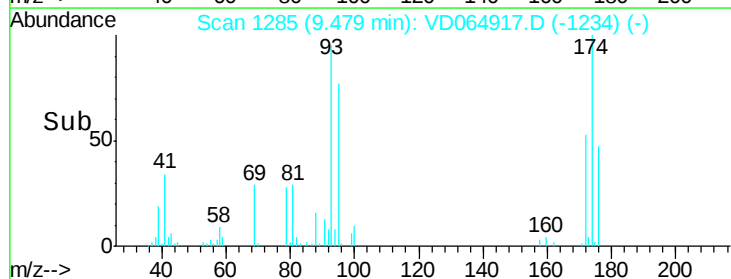
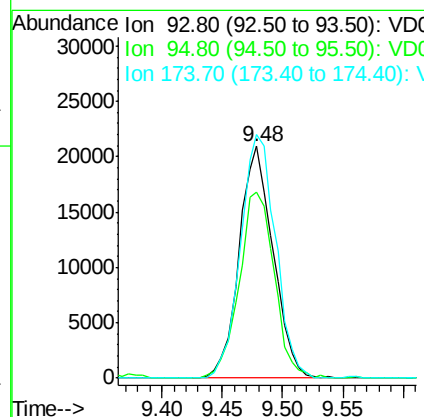
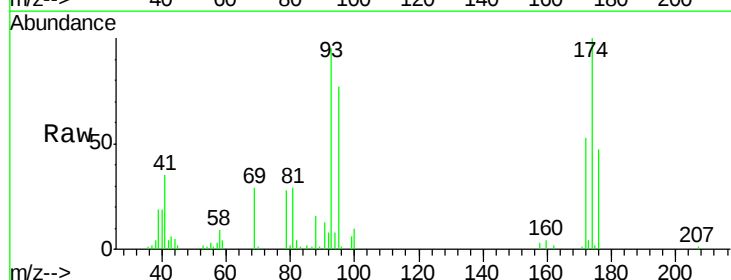
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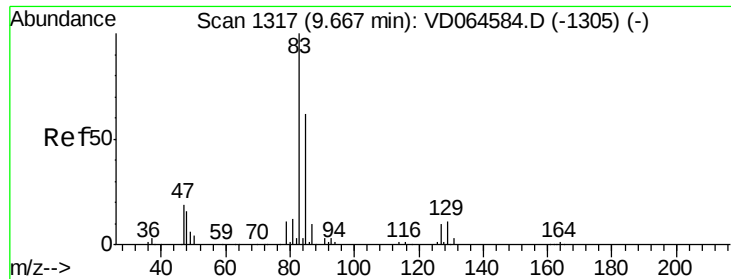
MMDadoda
 1/23/2020 11:13:41 AM



#46
 Dibromomethane
 Concen: 21.643 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion: 93 Resp: 41118
 Ion Ratio Lower Upper
 93 100
 95 82.9 64.6 97.0
 174 108.3 88.1 132.1





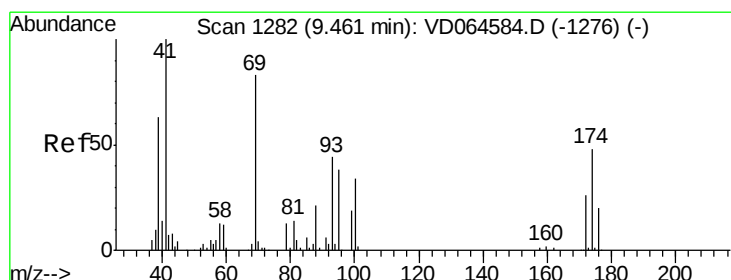
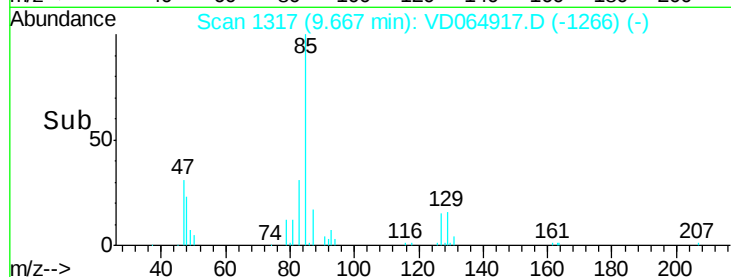
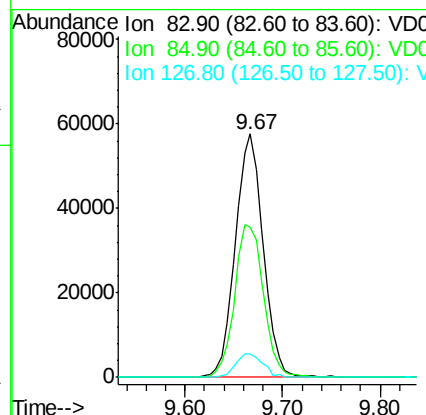
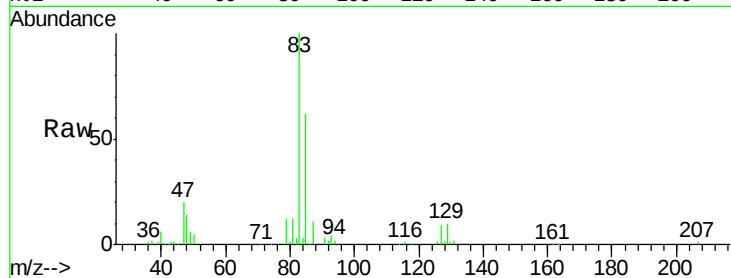
#47
Bromodichloromethane
Concen: 22.605 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	114273		
85	61.5	49.5	74.3	
127	9.5	7.8	11.6	

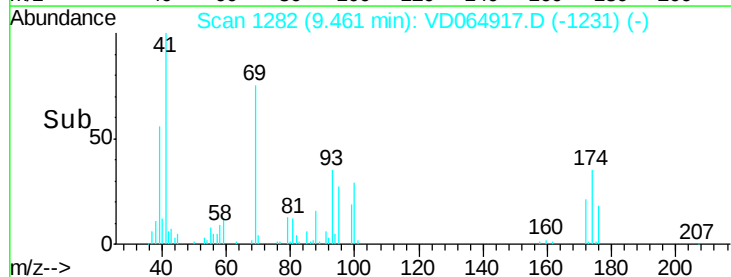
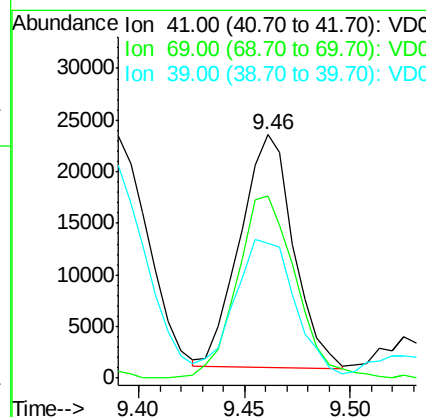
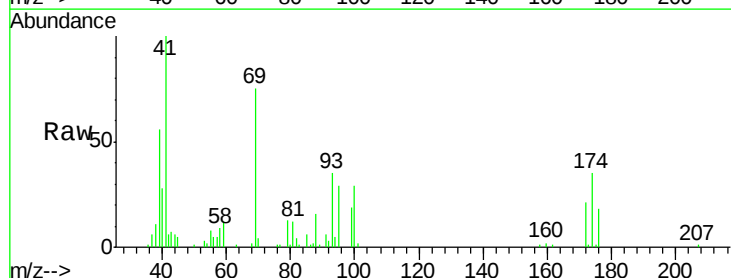
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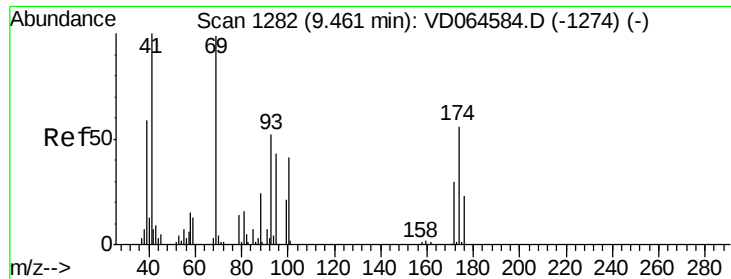
MMDadoda
1/23/2020 11:13:41 AM



#48
Methyl methacrylate
Concen: 20.562 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	39577		
69	85.9	63.0	94.6	
39	64.5	47.4	71.2	





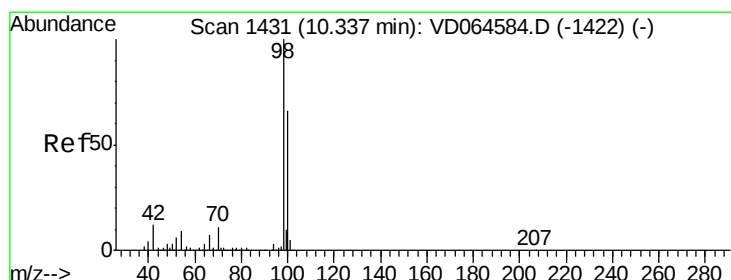
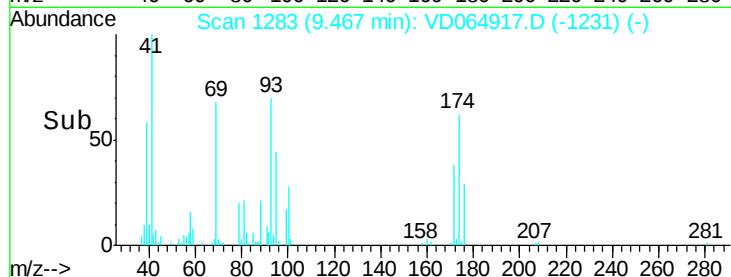
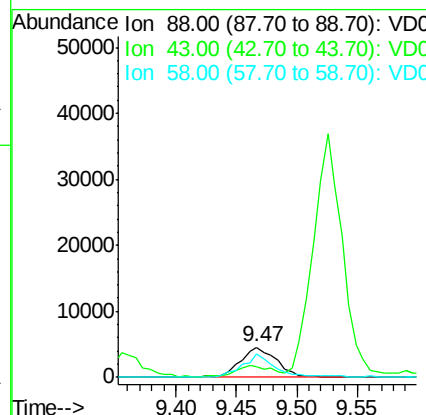
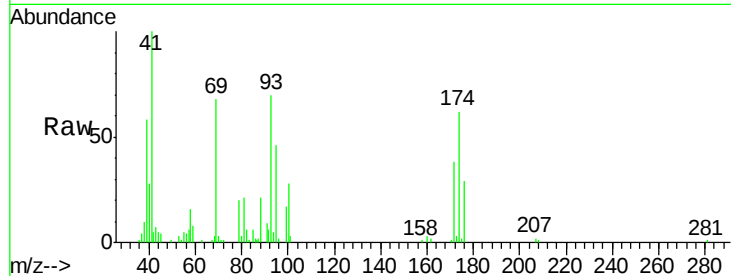
#49
1,4-Dioxane
Concen: 442.713 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	40.1	27.7	41.5
58	66.1	53.8	80.6

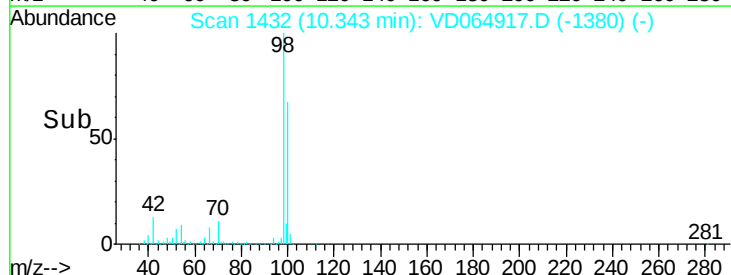
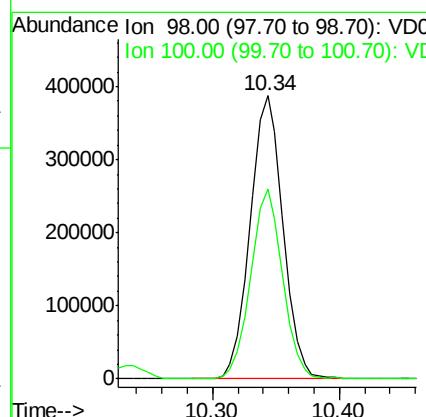
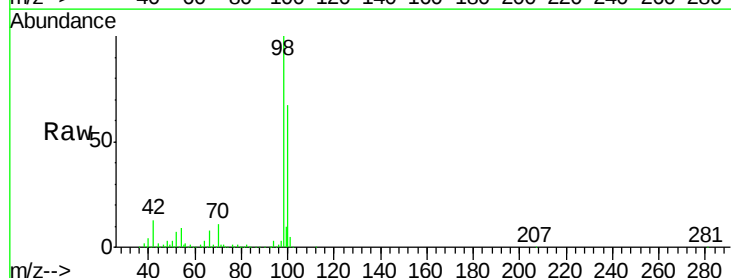
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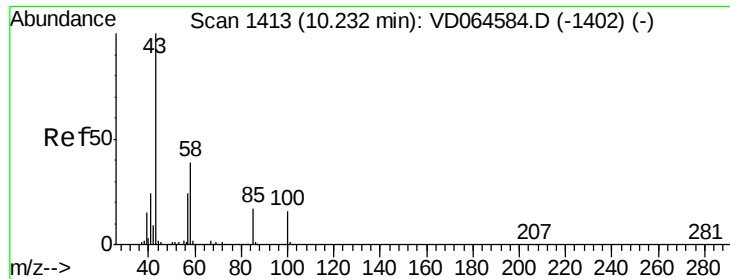
MMDadoda
1/23/2020 11:13:41 AM



#50
Toluene-d8
Concen: 54.726 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





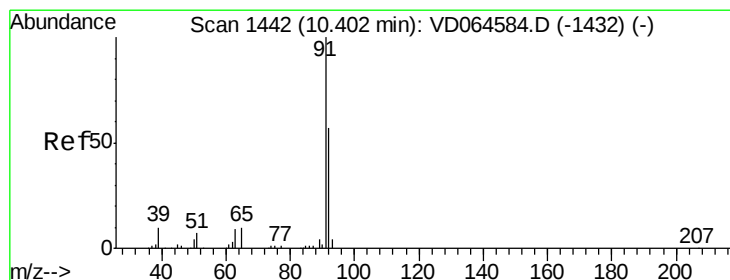
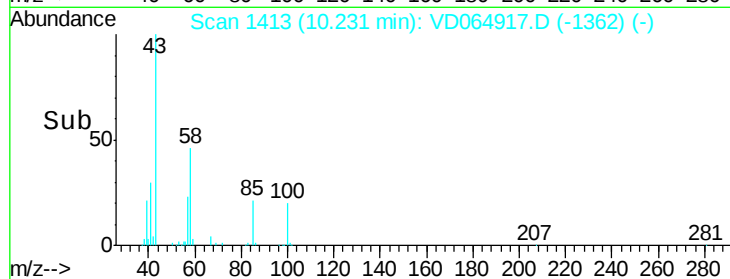
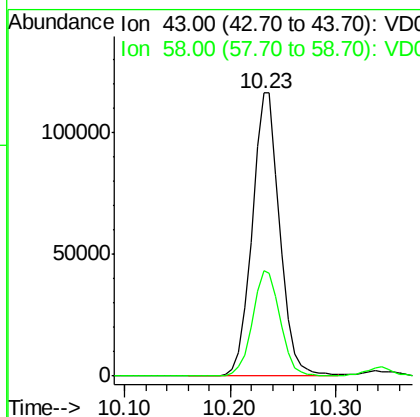
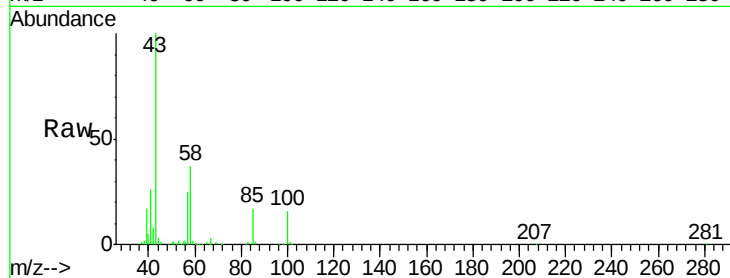
#51
4-Methyl-2-Pentanone
Concen: 104.940 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.3	30.2	45.2

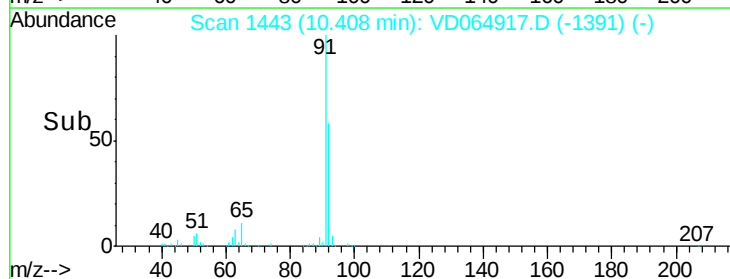
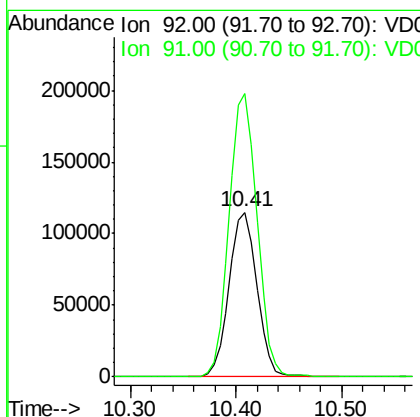
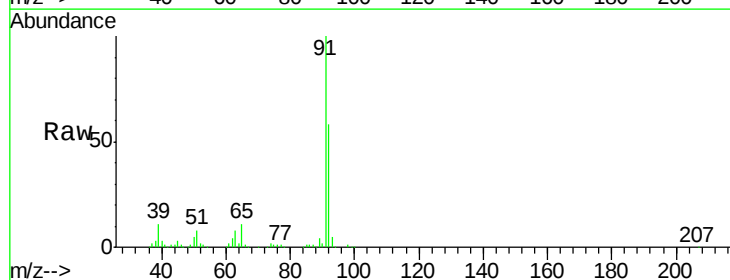
Manual Integrations
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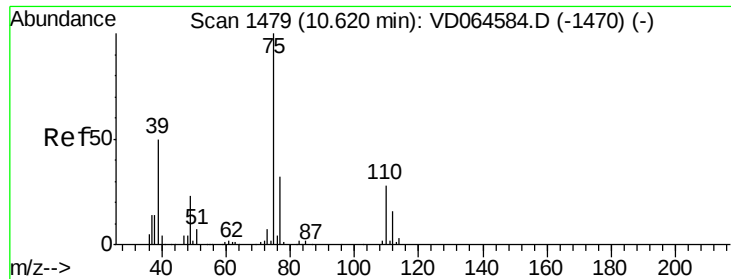
MMDadoda
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#52
Toluene
Concen: 22.334 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	138.7	208.1





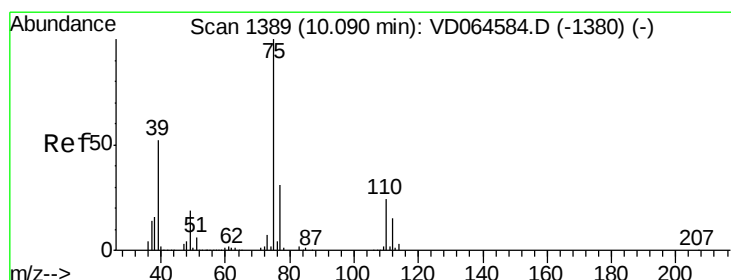
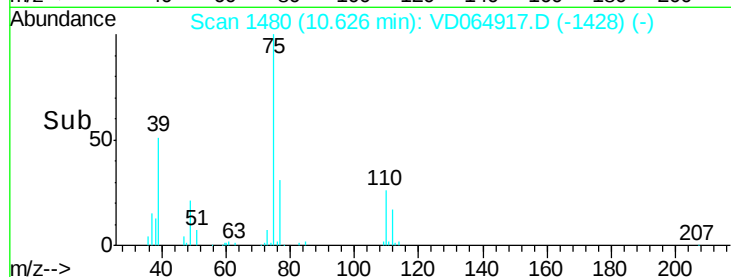
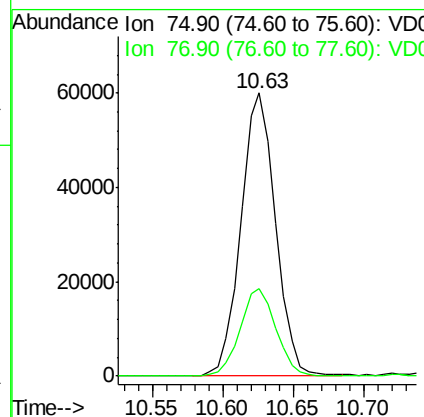
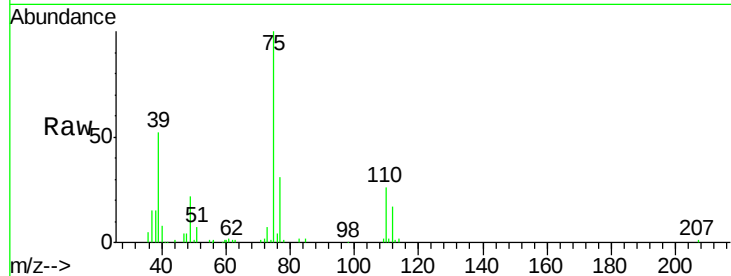
#53
t-1,3-Dichloropropene
Concen: 21.838 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	25.4	38.2

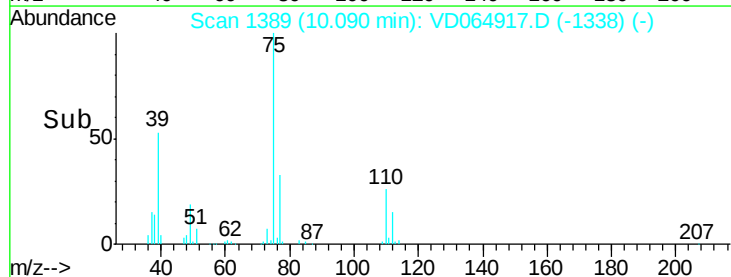
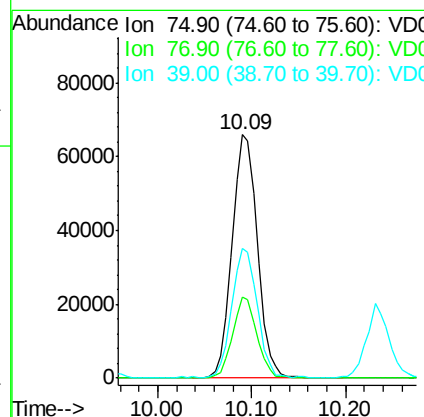
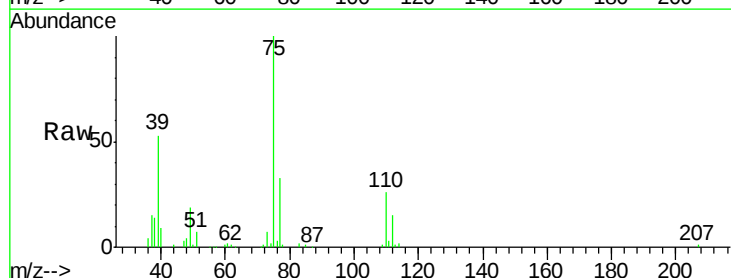
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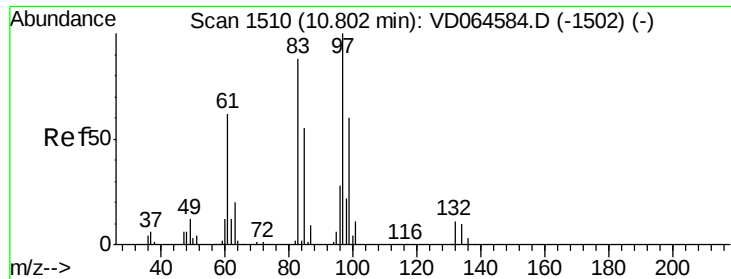
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 22.286 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
77	33.5	24.6	36.8
39	53.0	41.4	62.2





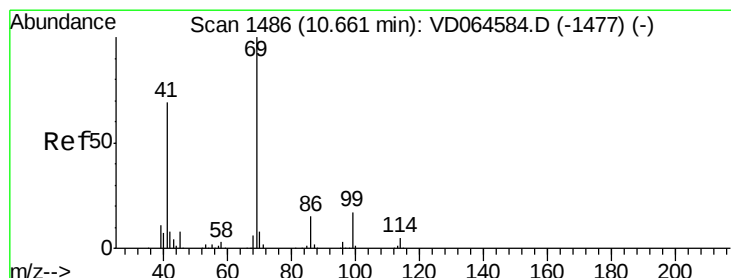
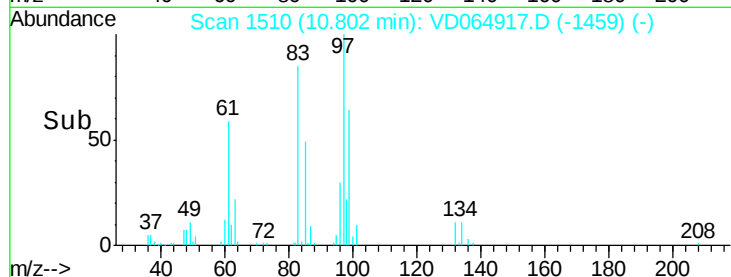
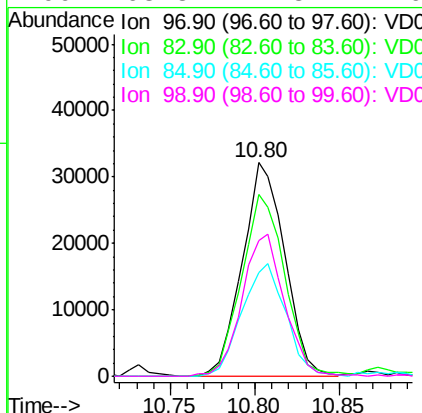
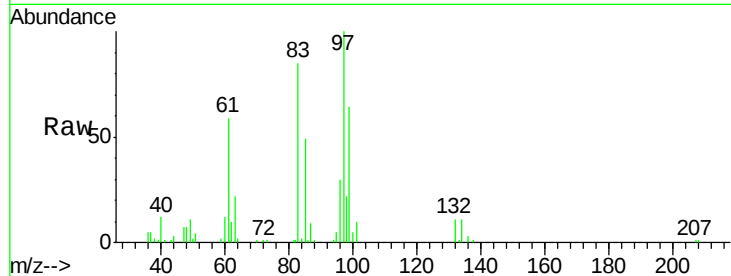
#55
 1,1,2-Trichloroethane
 Concen: 21.971 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.8	70.2	105.4
85	48.5	44.0	66.0
99	63.8	47.8	71.6

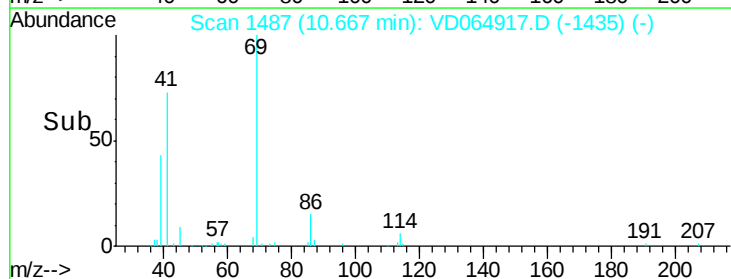
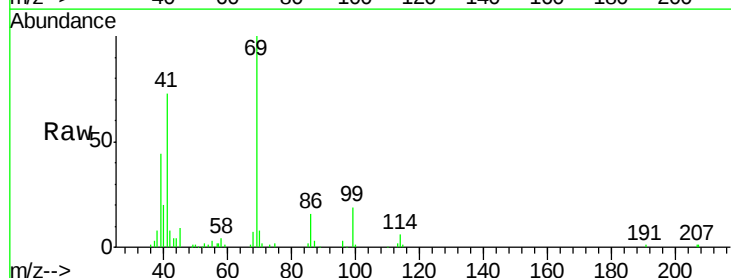
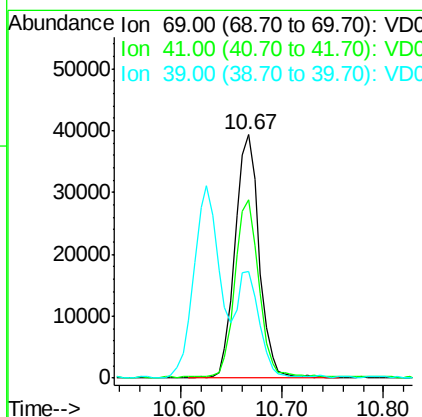
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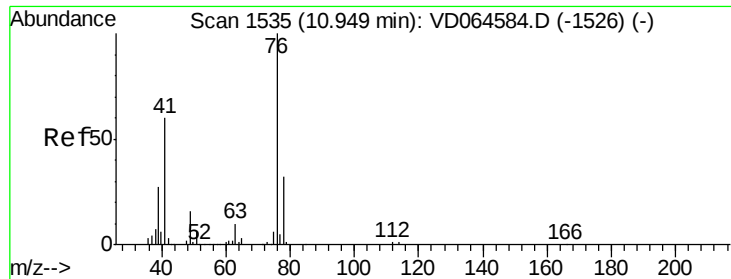
MMDadoda
 1/23/2020 11:13:41 AM



#56
 Ethyl methacrylate
 Concen: 20.391 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	71.9	55.3	82.9
39	39.1	33.8	50.8





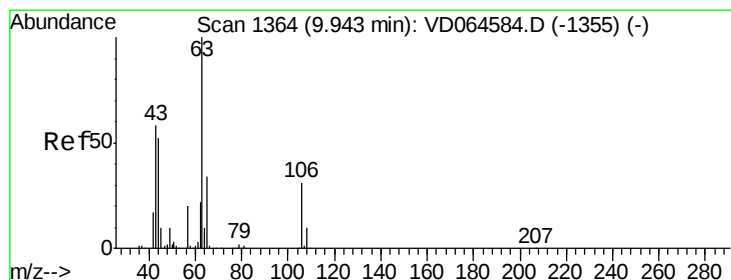
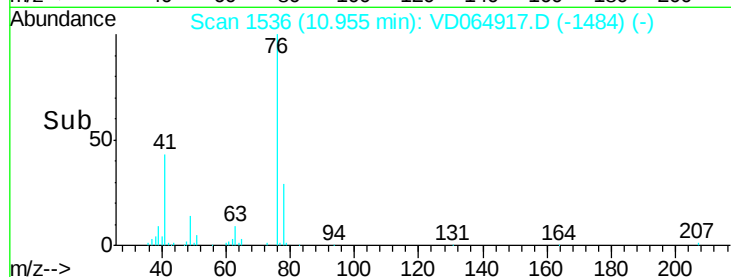
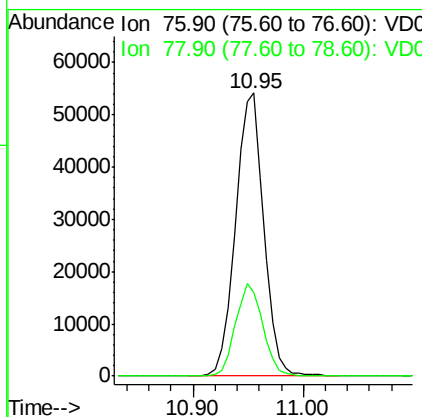
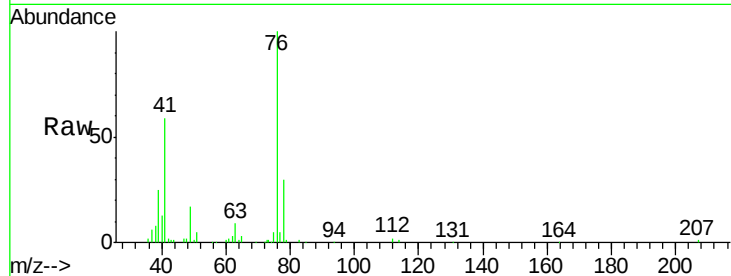
#57
 1,3-Dichloropropane
 Concen: 22.007 ug/l
 RT: 10.95 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion: 76 Resp: 97013
 Ion Ratio Lower Upper
 76 100
 78 31.6 26.2 39.4

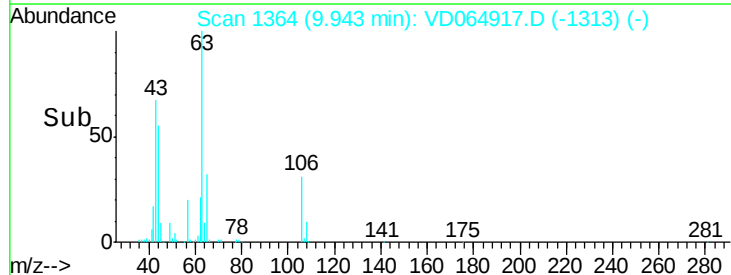
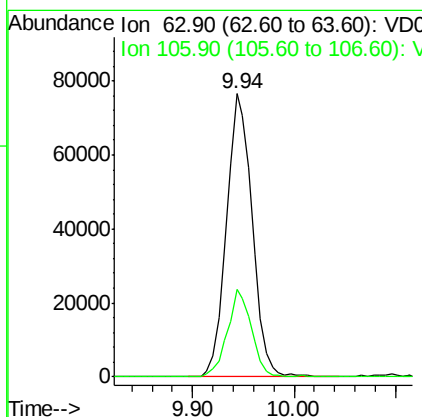
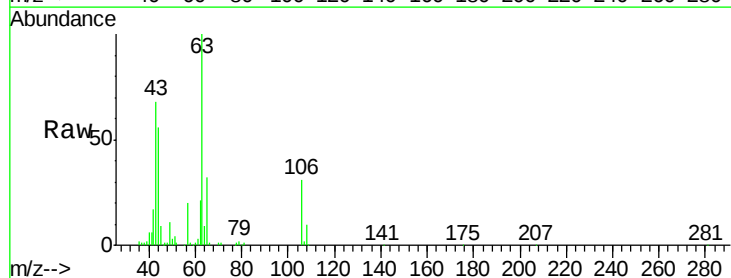
Manual Integrations
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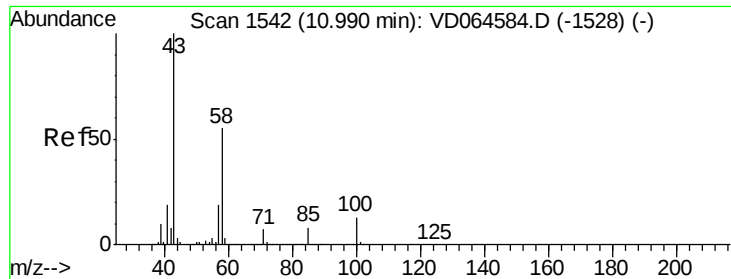
MMDadoda
 1/23/2020 11:13:41 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.292 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion: 63 Resp: 134359
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.8 35.8





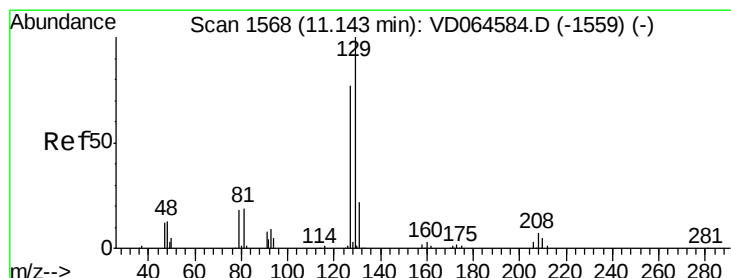
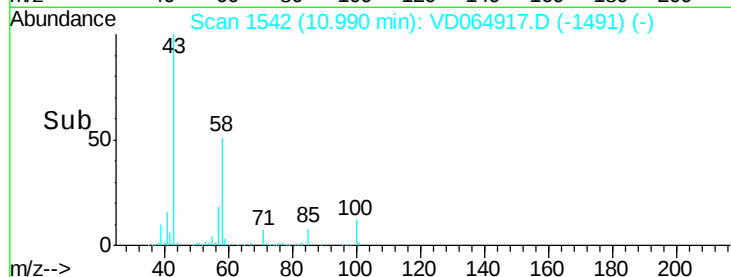
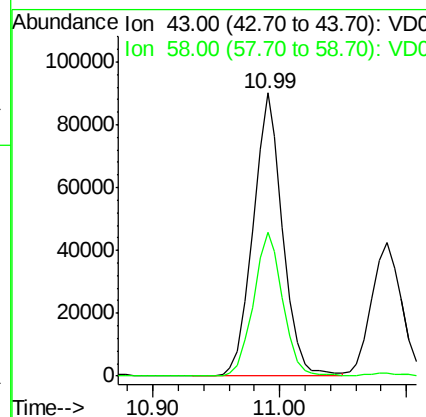
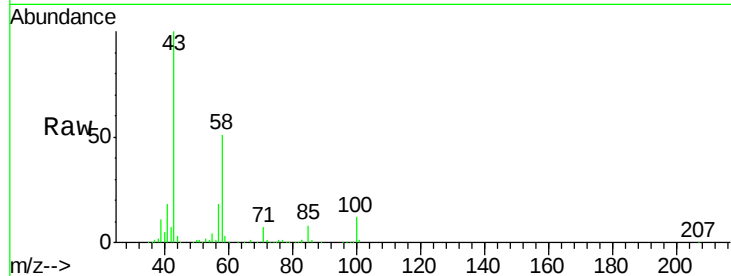
#59
2-Hexanone
Concen: 106.604 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion: 43 Resp: 146194
Ion Ratio Lower Upper
43 100
58 50.1 26.4 79.0

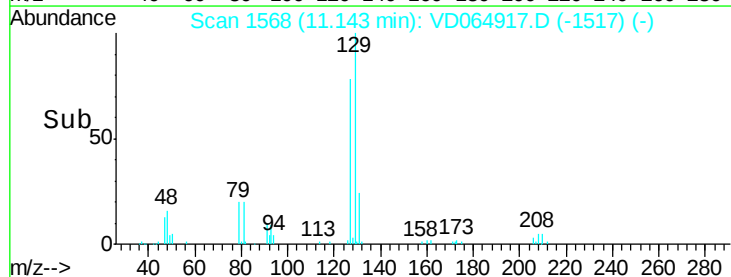
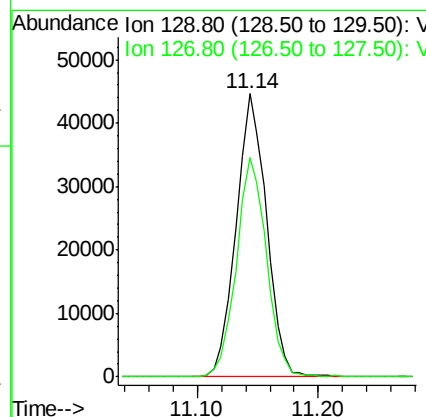
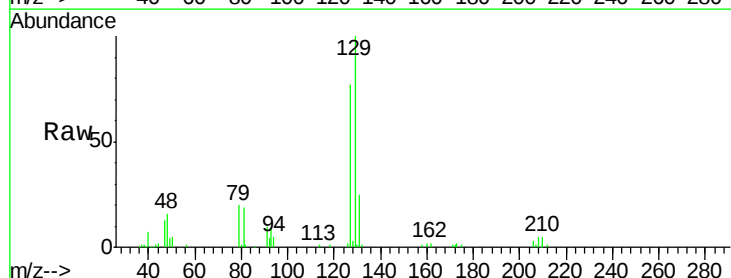
Manual Integrations
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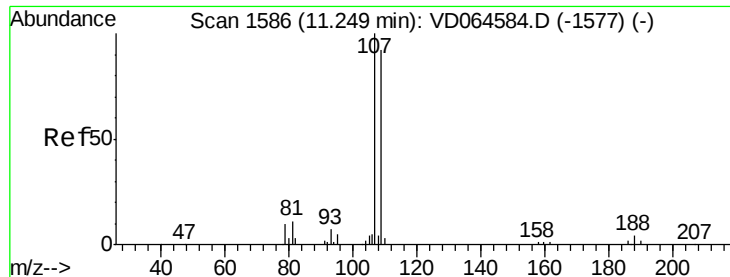
MMDadoda
1/23/2020 11:13:41 AM



#60
Dibromochloromethane
Concen: 22.121 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion: 129 Resp: 78319
Ion Ratio Lower Upper
129 100
127 76.6 38.4 115.2





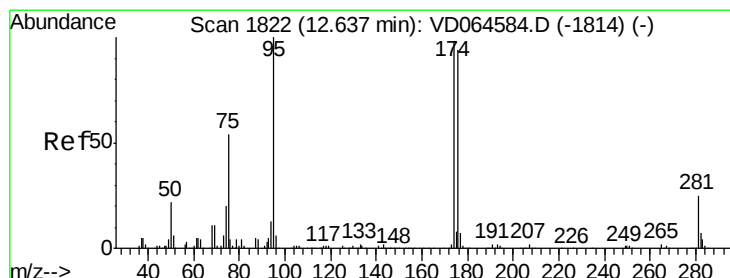
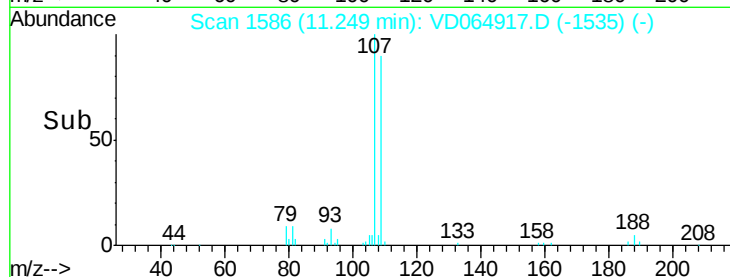
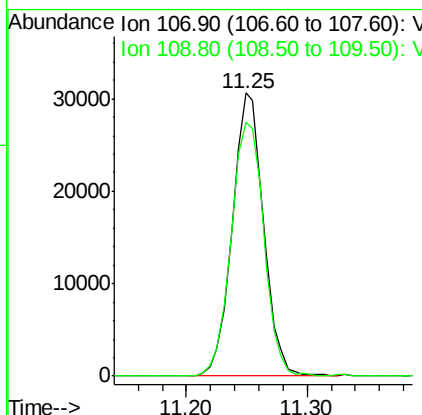
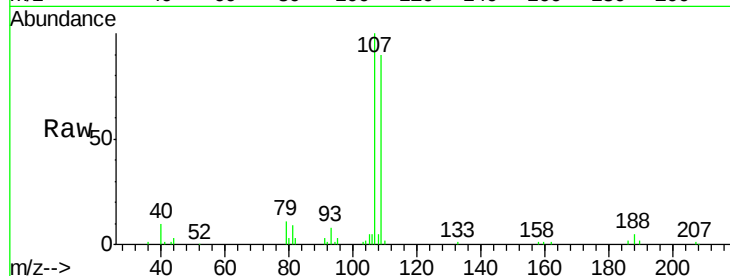
#61
 1,2-Dibromoethane
 Concen: 21.840 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.1	75.6	113.4

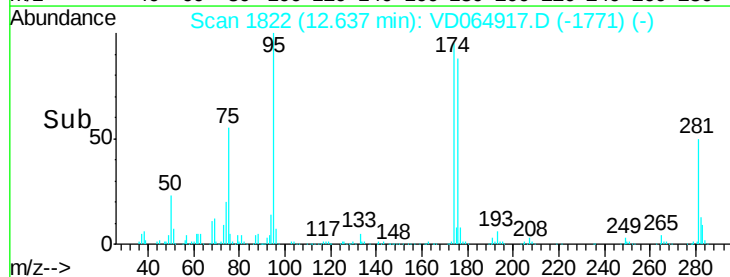
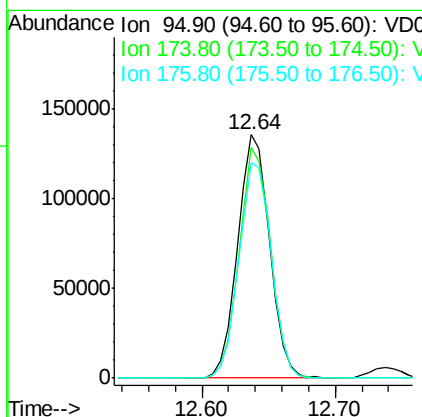
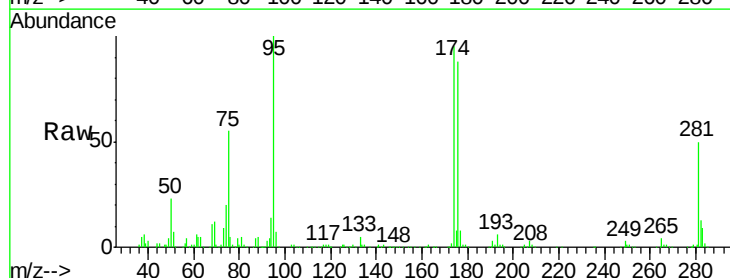
Manual Integrations
 APPROVED

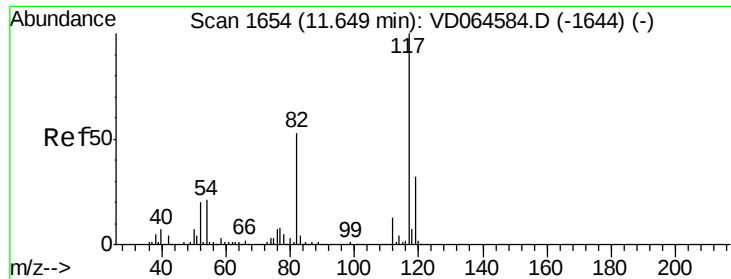
MMDadoda
 1/23/2020 11:13:41 AM



#62
 4-Bromofluorobenzene
 Concen: 55.242 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
95	100		
174	93.5	0.0	193.2
176	90.1	0.0	184.2





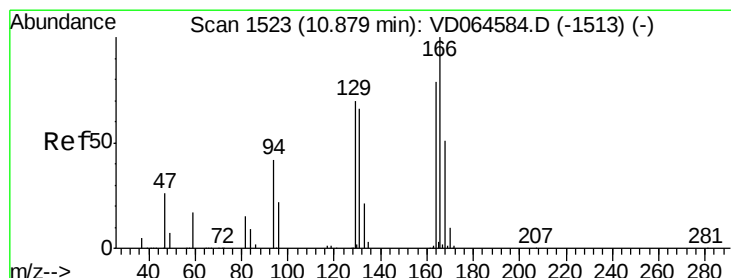
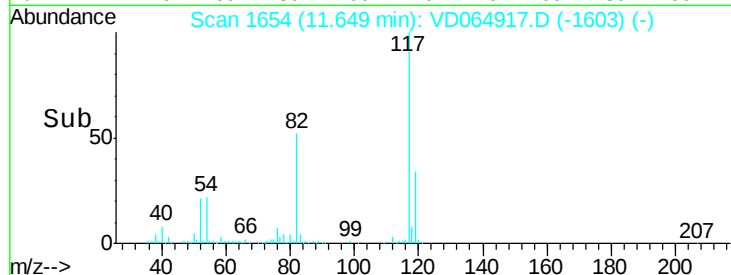
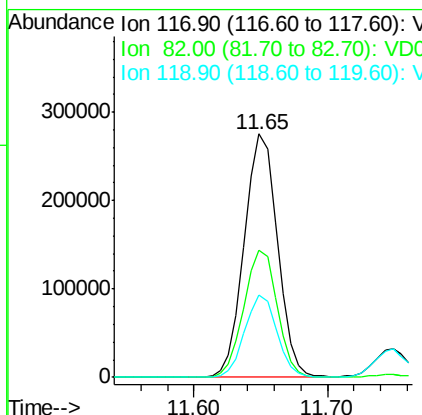
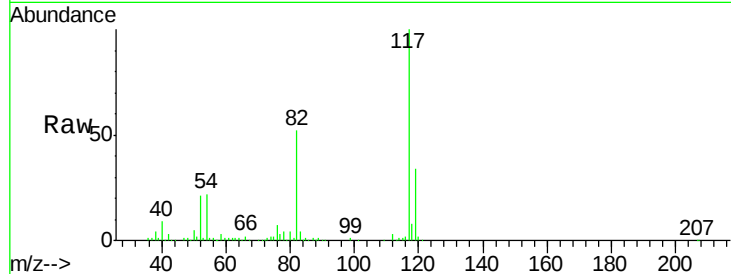
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	474749		
82	52.4		42.2	63.4
119	33.9		26.0	39.0

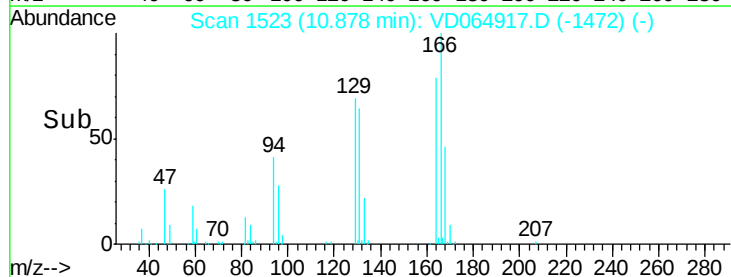
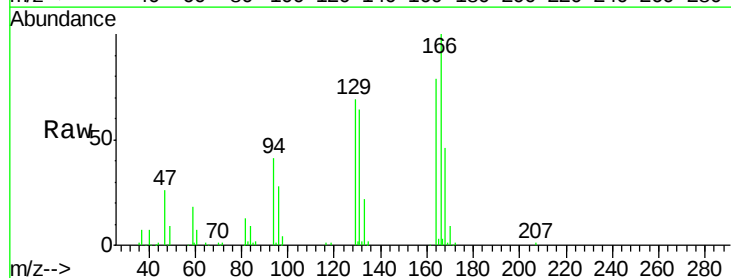
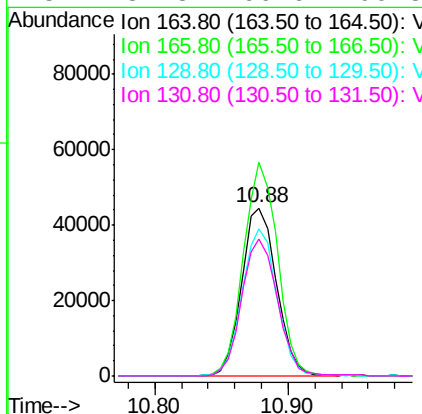
Manual Integrations
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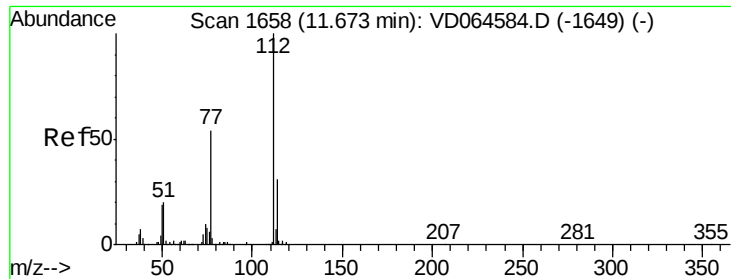
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#64
Tetrachloroethene
Concen: 22.075 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	80403		
166	127.2		101.3	151.9
129	87.6		70.5	105.7
131	81.3		66.6	99.8





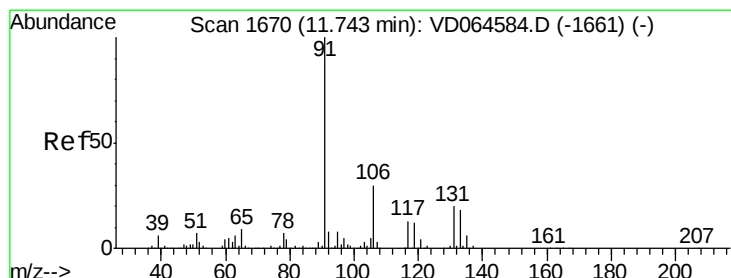
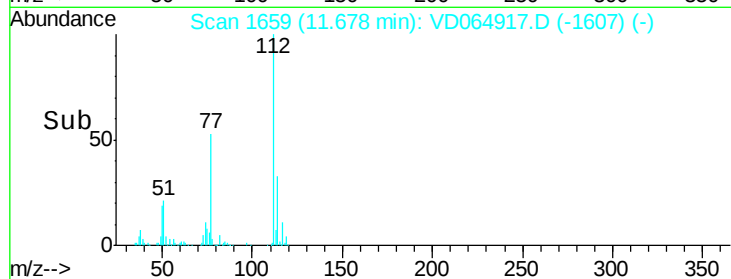
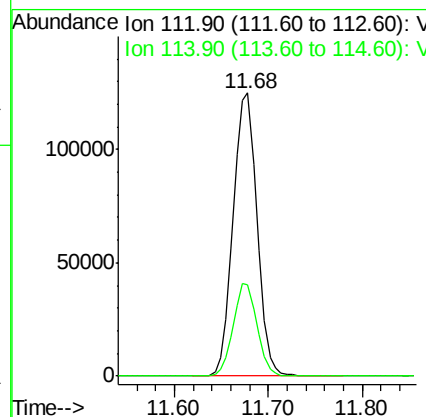
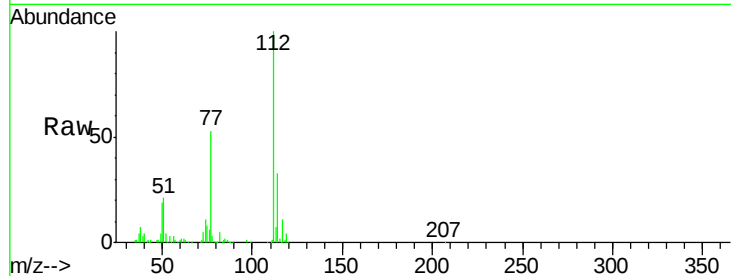
#65
Chlorobenzene
Concen: 22.416 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.5	24.8	37.2

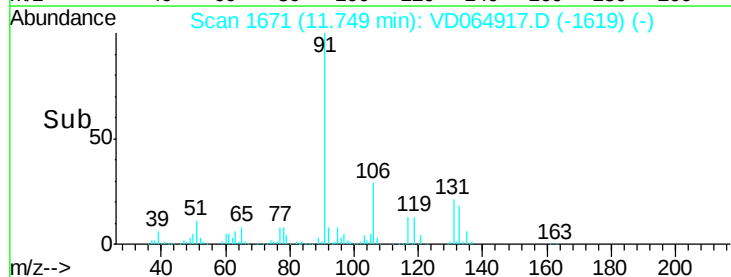
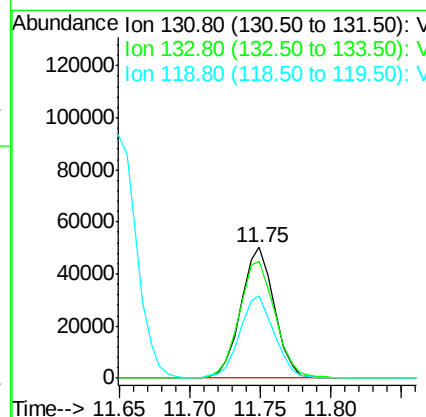
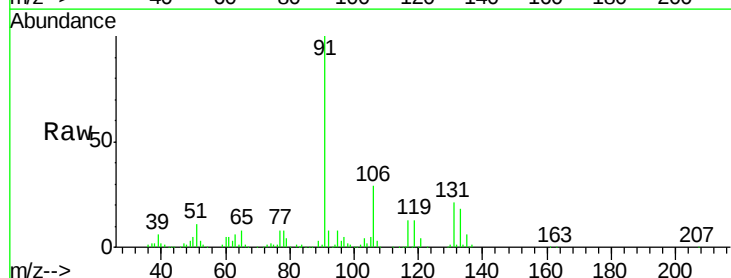
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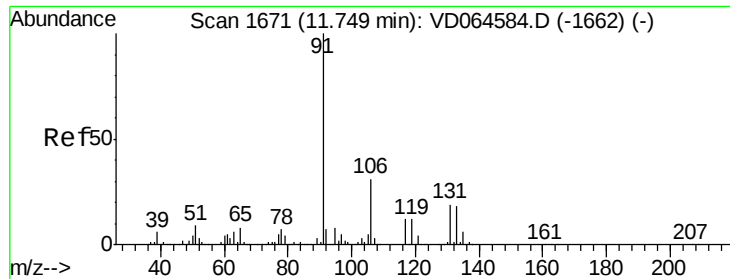
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.391 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	48.3	144.8
119	65.4	32.1	96.3





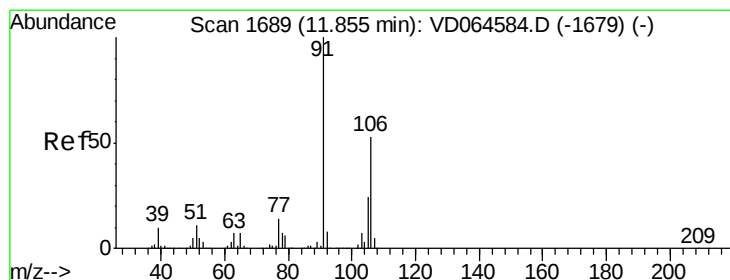
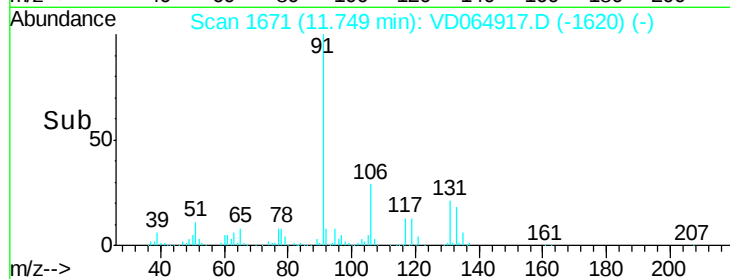
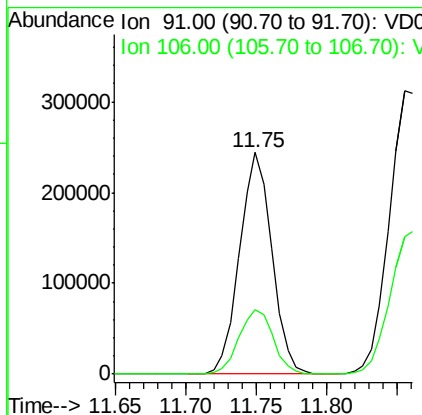
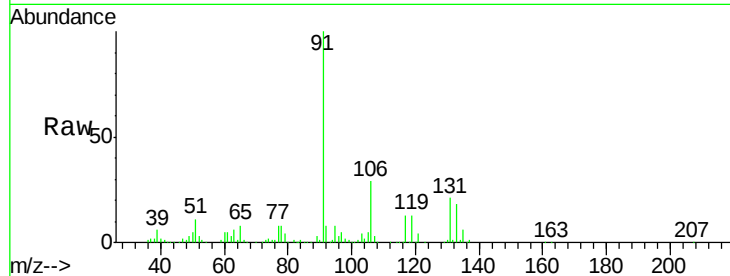
#67
Ethyl Benzene
Concen: 21.946 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion: 91 Resp: 392497
Ion Ratio Lower Upper
91 100
106 29.3 24.6 36.8

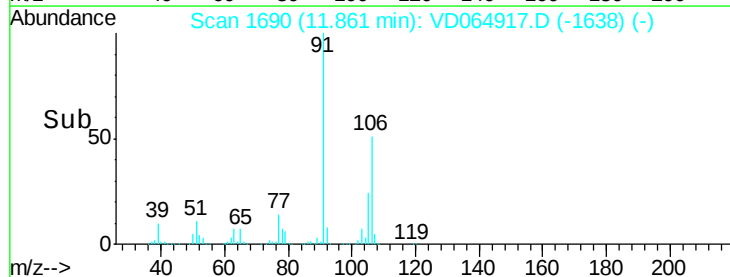
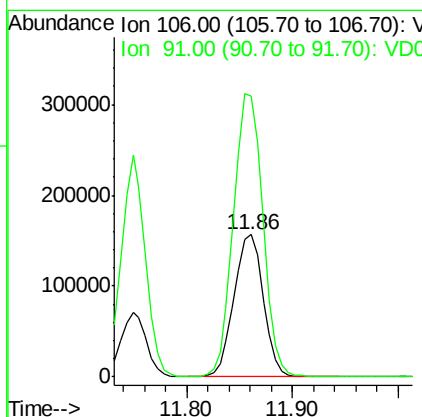
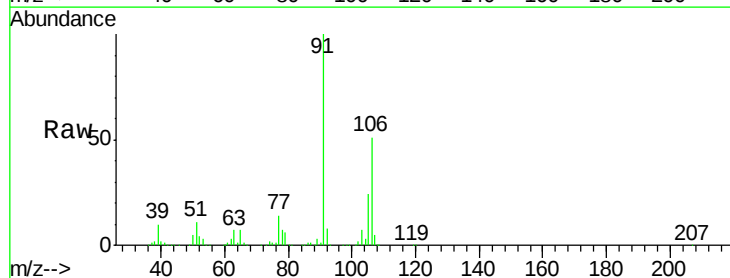
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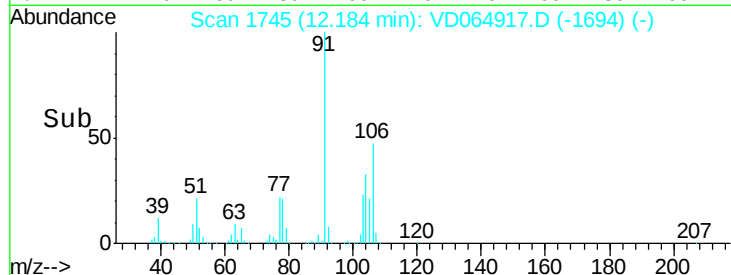
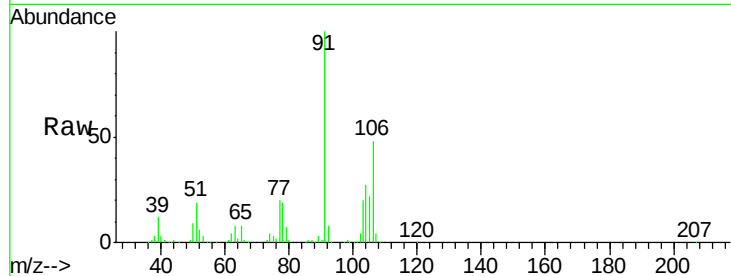
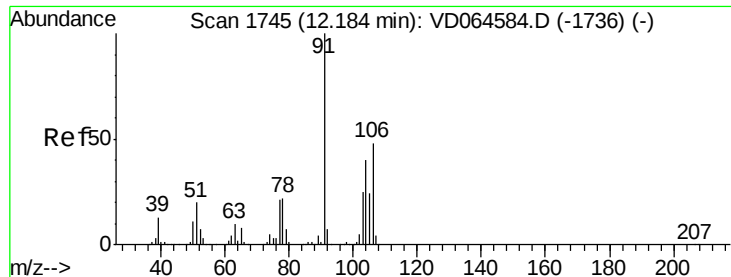
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#68
m/p-Xylenes
Concen: 43.514 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion: 106 Resp: 300374
Ion Ratio Lower Upper
106 100
91 200.2 156.3 234.5





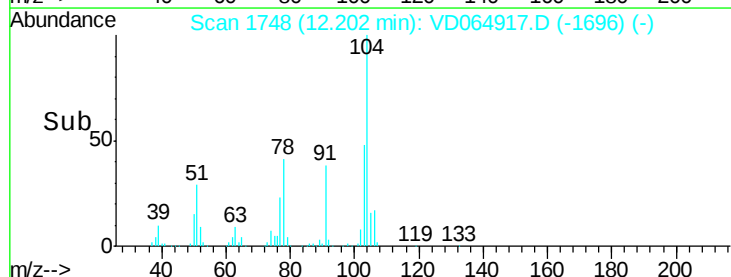
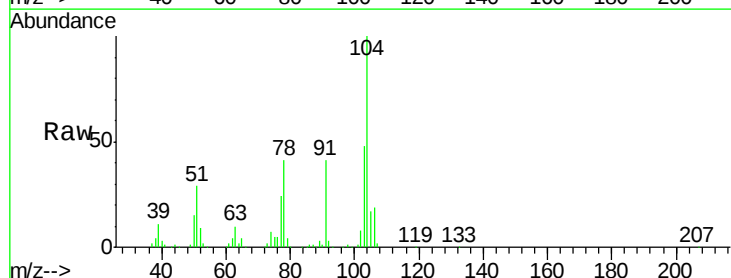
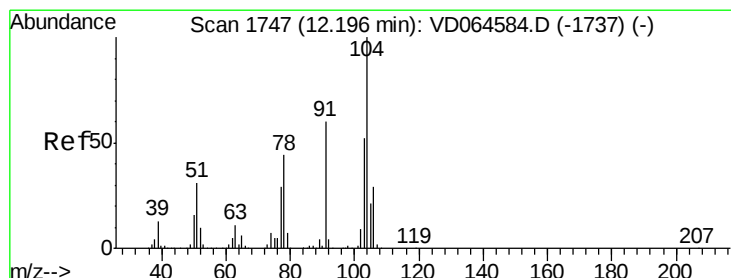
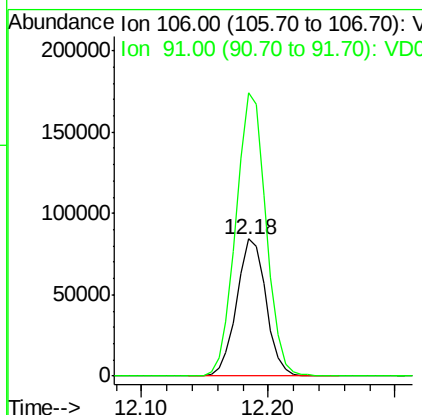
#69
o-Xylene
Concen: 21.698 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tot Ion	Ratio	Resp	Lower	Upper
106	100	135293		
91	211.1	104.8	314.4	

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

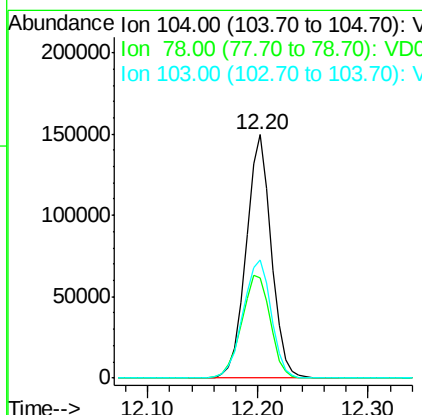
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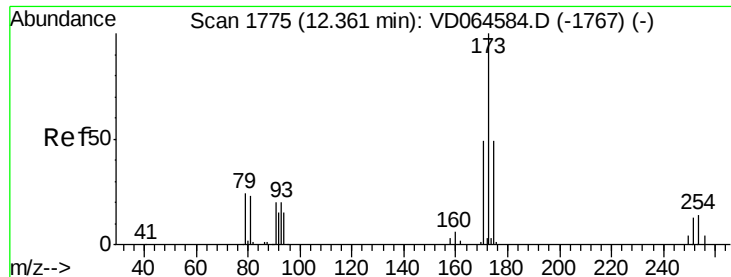
MMDadoda
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#70
Styrene
Concen: 21.872 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	239375		
78	48.4	38.2	57.2	
103	54.5	44.6	67.0	





#71

Bromoform

Concen: 21.099 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion:173 Resp: 44695

Ion Ratio Lower Upper

173 100

175 49.9 24.6 73.8

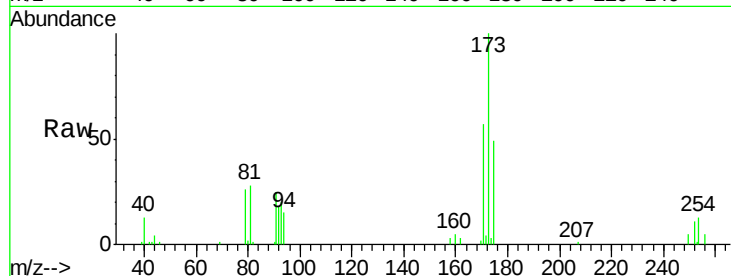
254 0.0 0.1 0.1#

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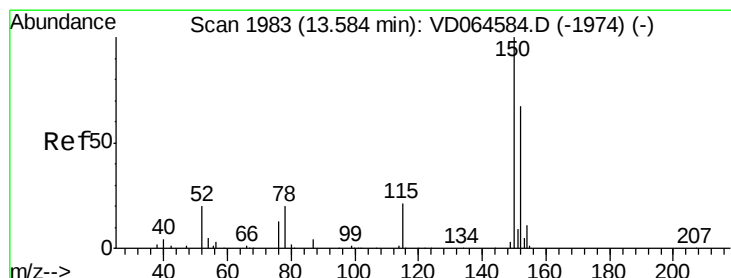
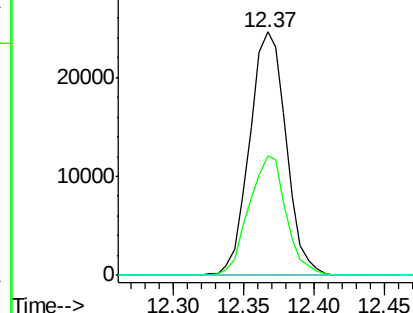
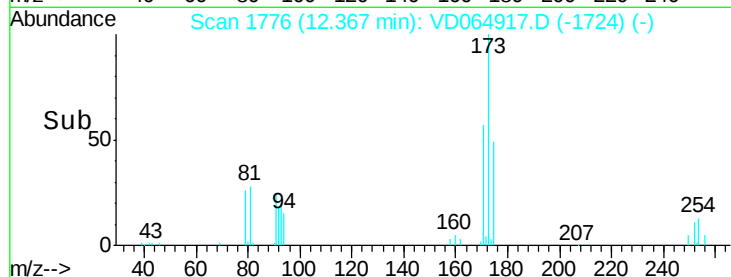
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

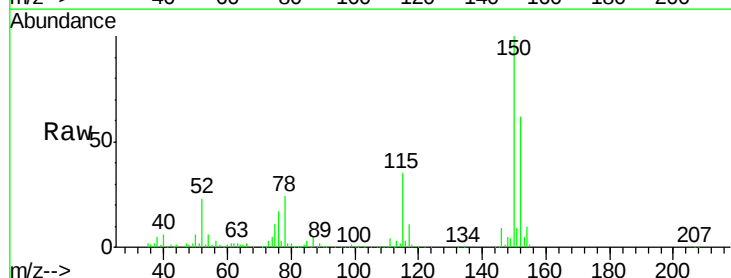
Tgt Ion:152 Resp: 232689

Ion Ratio Lower Upper

152 100

115 54.9 27.8 83.4

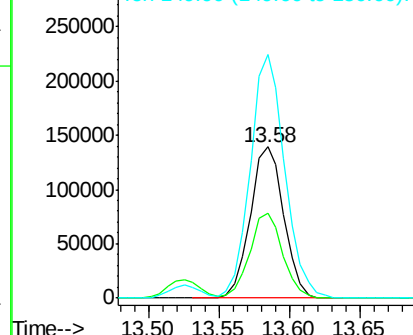
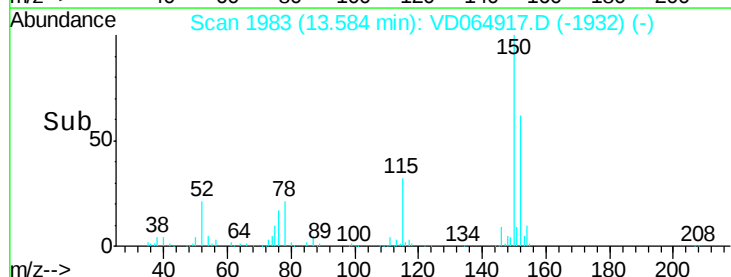
150 164.8 0.0 351.4

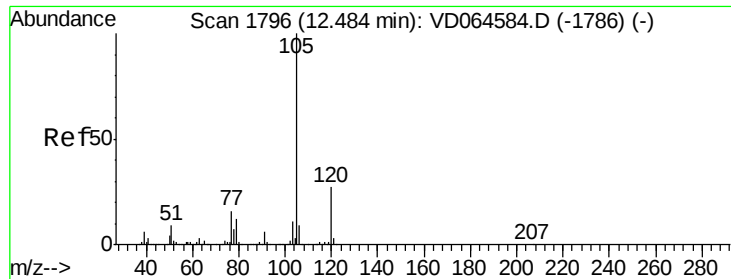


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 22.470 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 105 Resp: 373642

Ion Ratio Lower Upper

105 100

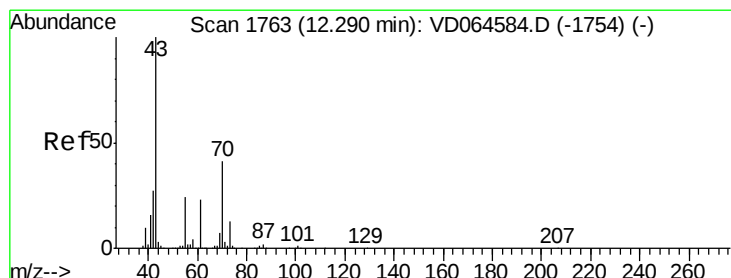
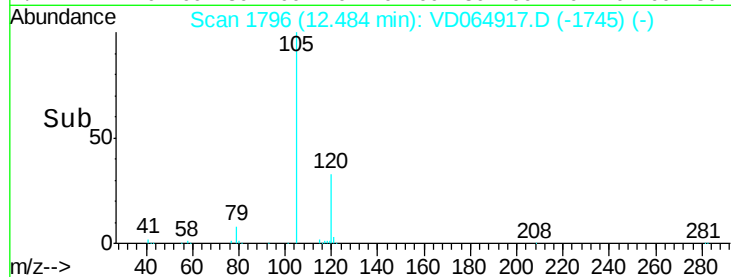
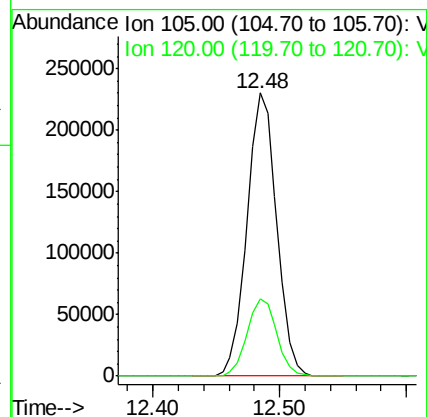
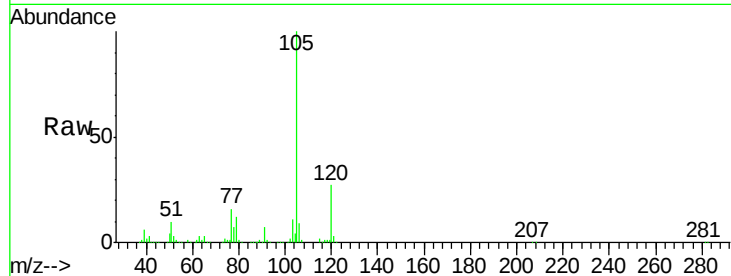
120 27.3 13.5 40.5

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#74

N-ethyl acetate

Concen: 21.128 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion: 43 Resp: 75101

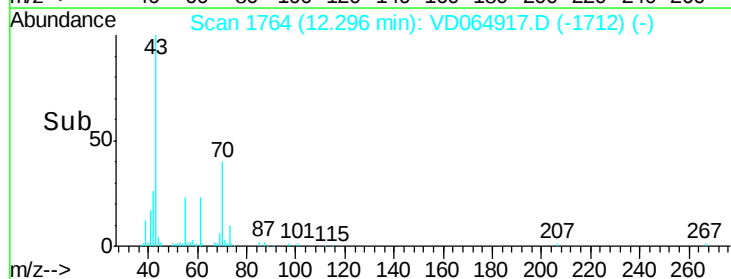
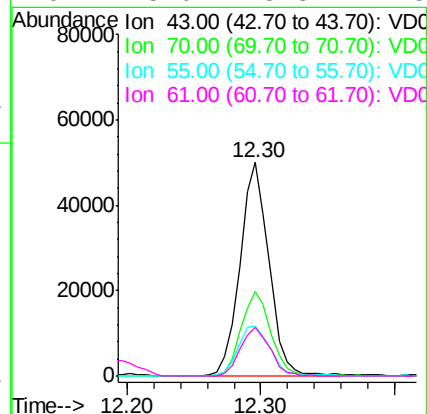
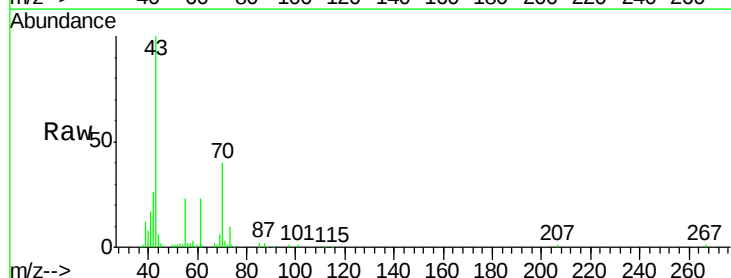
Ion Ratio Lower Upper

43 100

70 40.3 33.4 50.0

55 26.3 19.4 29.0

61 23.0 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 22.194 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

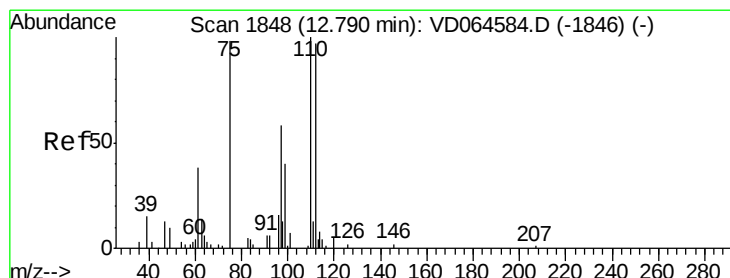
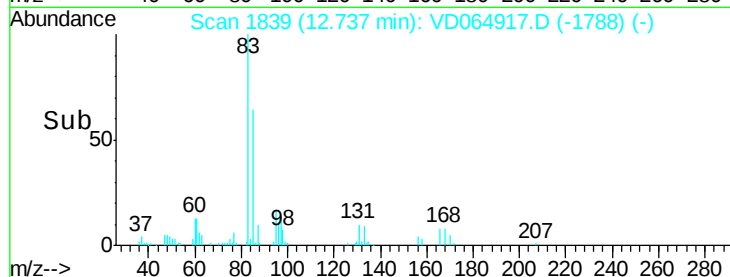
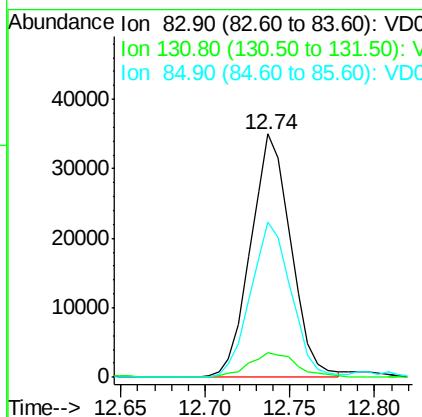
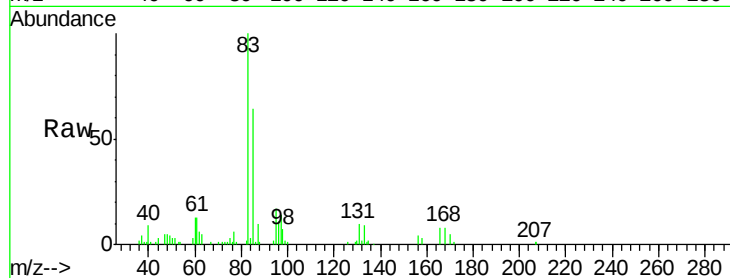
ClientSampleId :

VD0122SBS01

Tot Ion:	83	Resp:	57974
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.8	17.4
85	64.0	32.3	96.9

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#76

1,2,3-Trichloropropane

Concen: 21.091 ug/l m

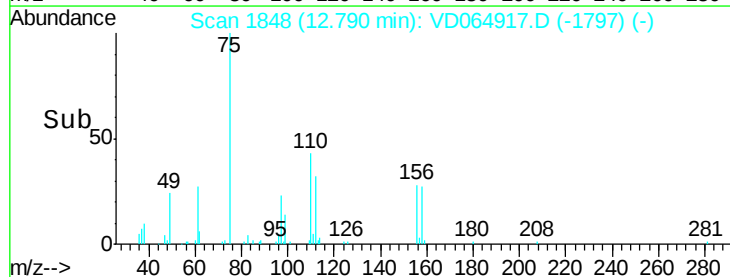
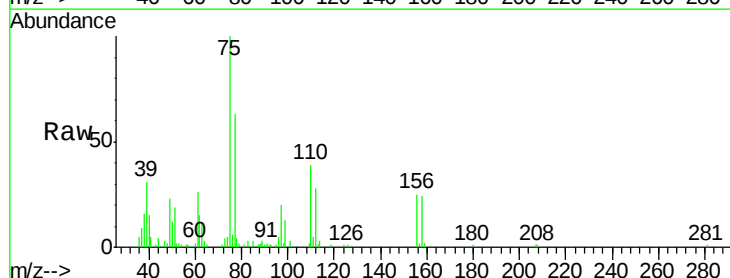
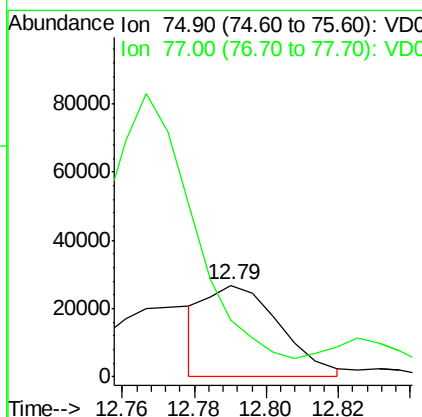
RT: 12.79 min Scan# 1848

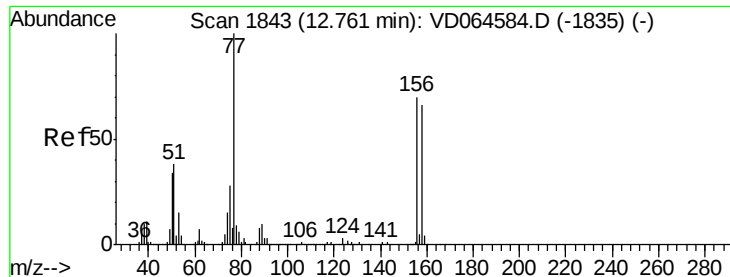
Delta R.T. 0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion:	75	Resp:	38754
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.421 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion:156 Resp: 91608

Ion Ratio Lower Upper

156 100

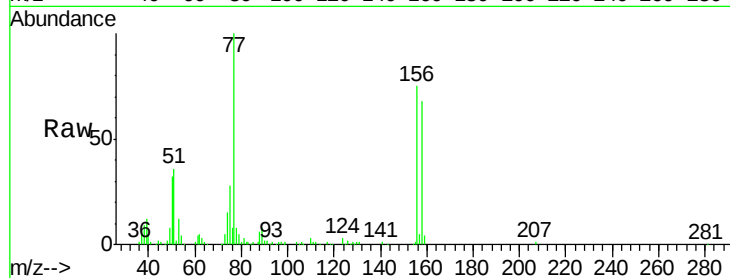
77 163.8 80.9 242.7

158 96.5 48.0 144.2

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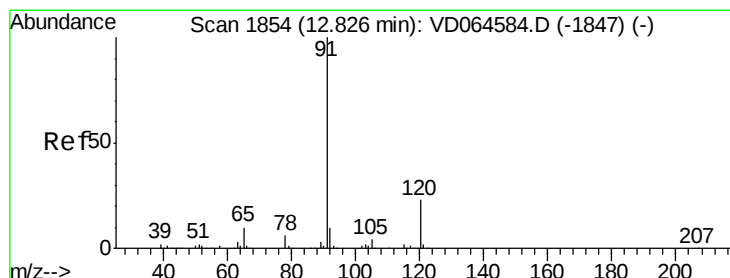
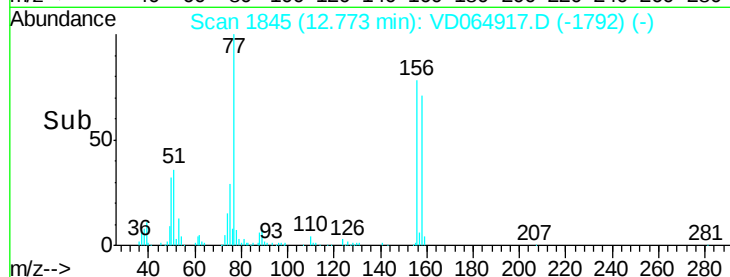
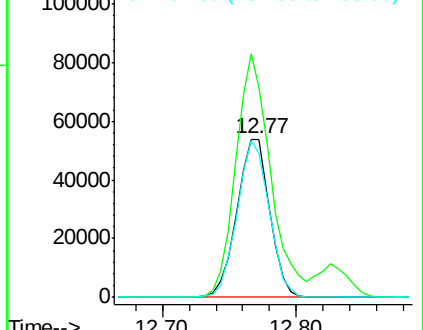
1/23/2020 11:13:41 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.062 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD064917.D

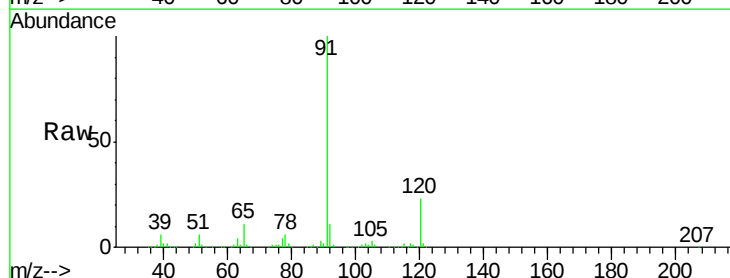
Acq: 22 Jan 2020 15:13

Tgt Ion: 91 Resp: 447382

Ion Ratio Lower Upper

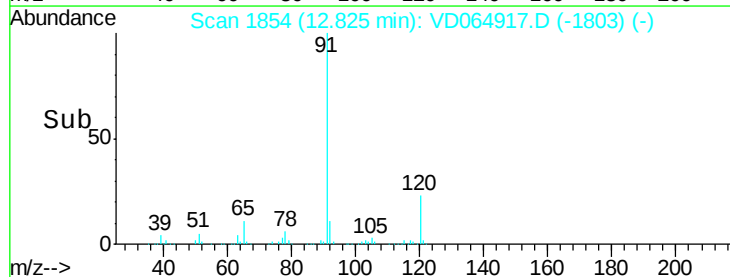
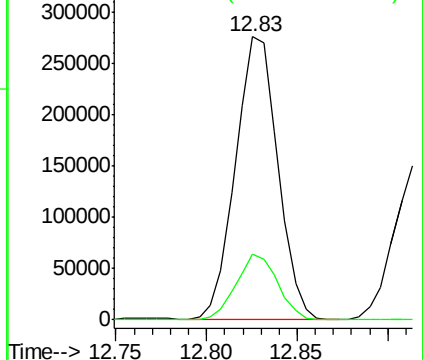
91 100

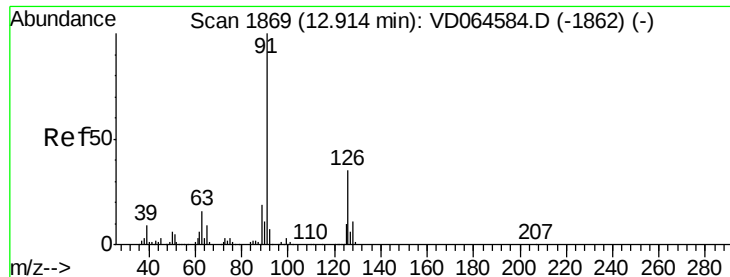
120 22.9 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.808 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion: 91 Resp: 243055

Ion Ratio Lower Upper

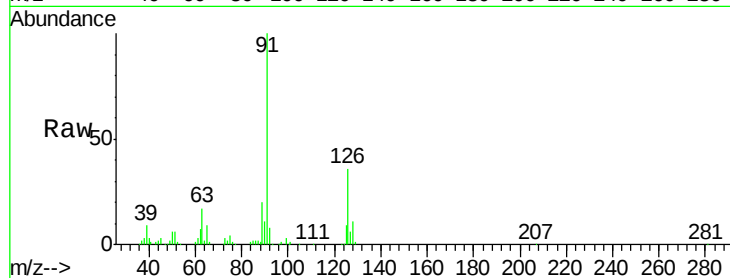
91 100

126 35.4 17.8 53.5

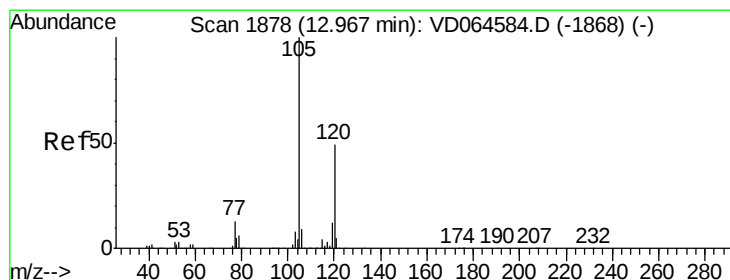
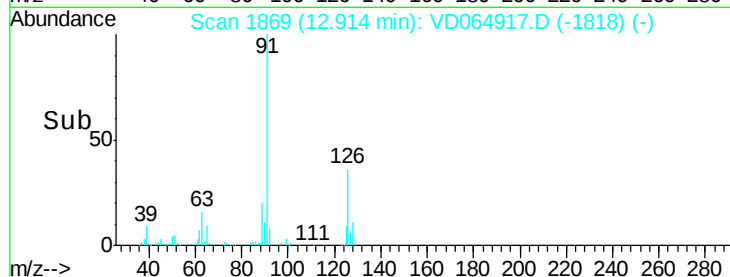
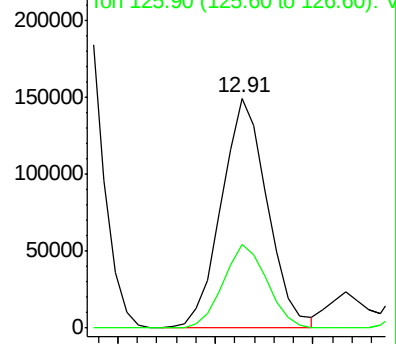
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Abundance Ion 91.00 (90.70 to 91.70): VD064917.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 22.433 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD064917.D

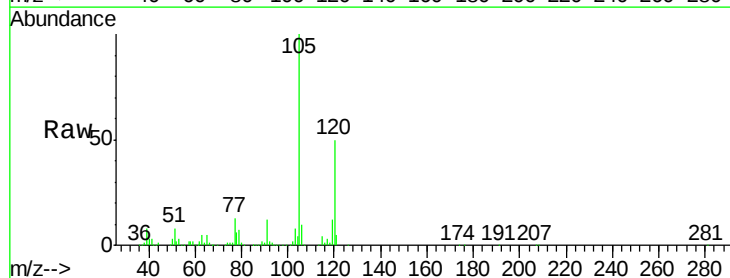
Acq: 22 Jan 2020 15:13

Tgt Ion: 105 Resp: 306430

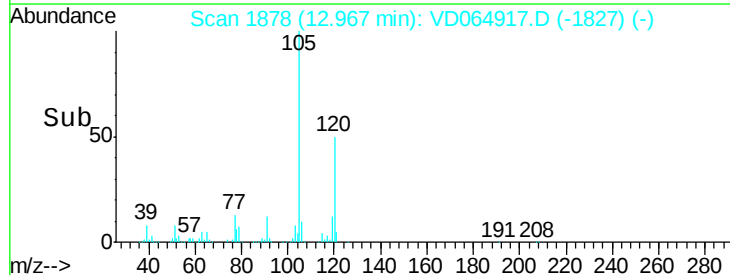
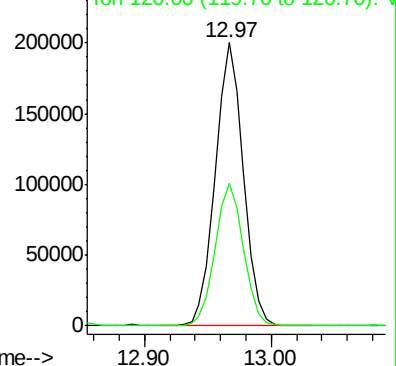
Ion Ratio Lower Upper

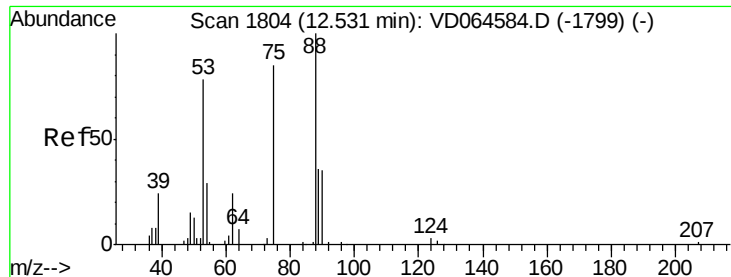
105 100

120 50.9 25.0 75.0



Abundance Ion 105.00 (104.70 to 105.70): VD064917.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.989 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

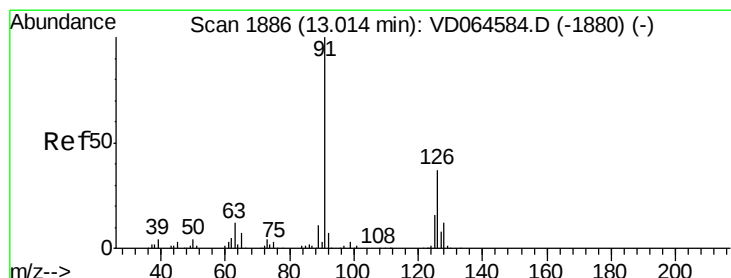
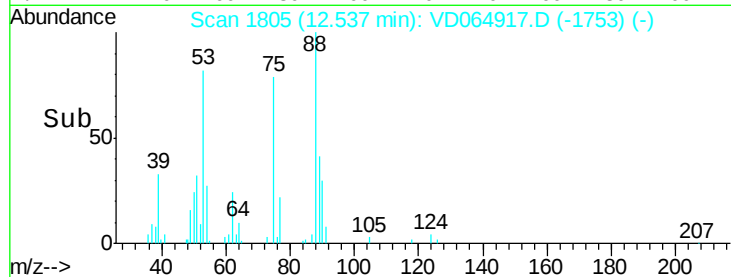
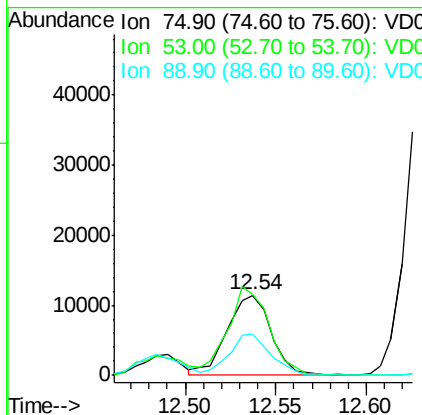
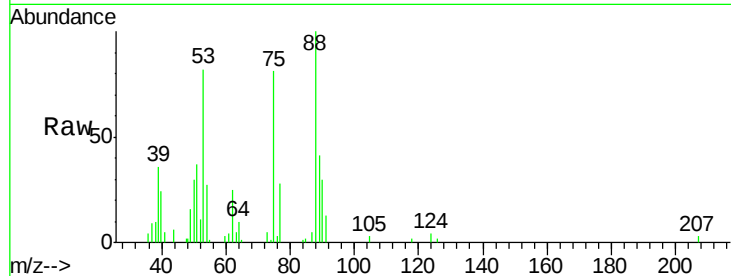
ClientSampleId :

VD0122SBS01

Tot Ion:	75	Resp:	19318
Ion	Ratio	Lower	Upper
75	100		
53	104.0	78.8	118.2
89	47.6	38.3	57.5

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#82

4-Chlorotoluene

Concen: 22.610 ug/l

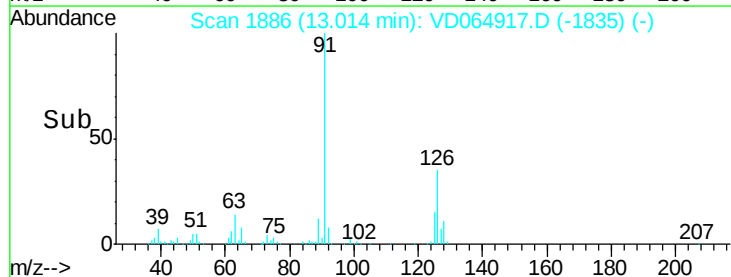
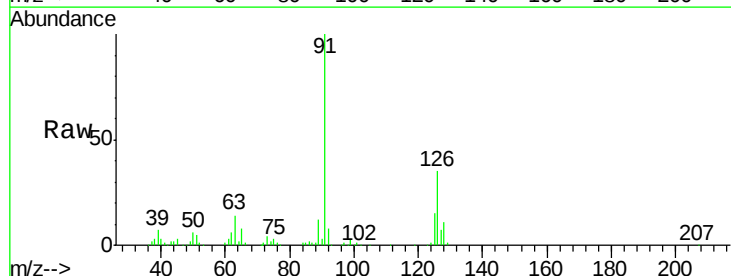
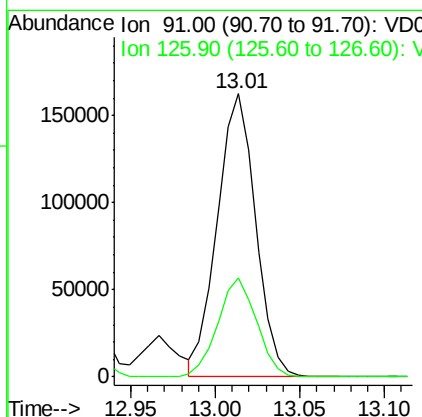
RT: 13.01 min Scan# 1886

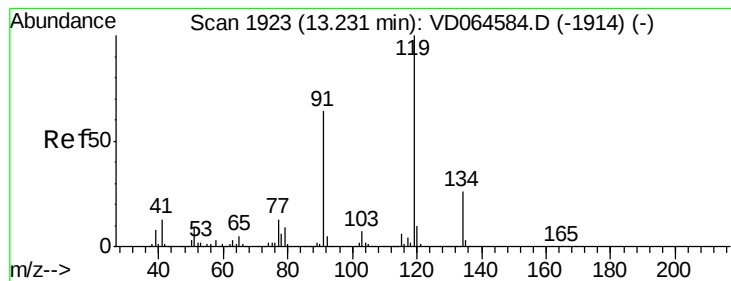
Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion:	91	Resp:	256418
Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.8	53.5





#83

tert-Butylbenzene

Concen: 22.213 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

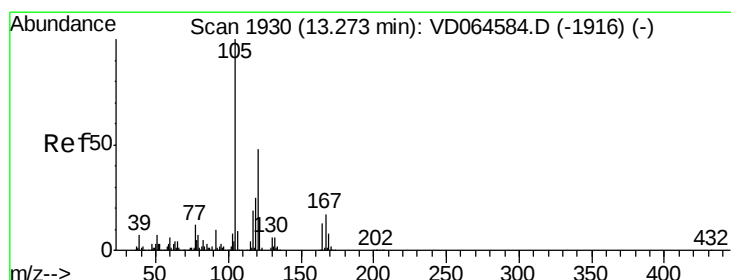
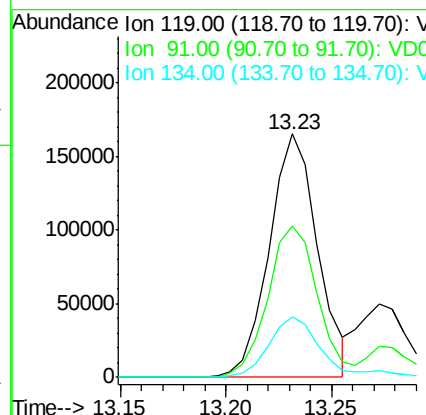
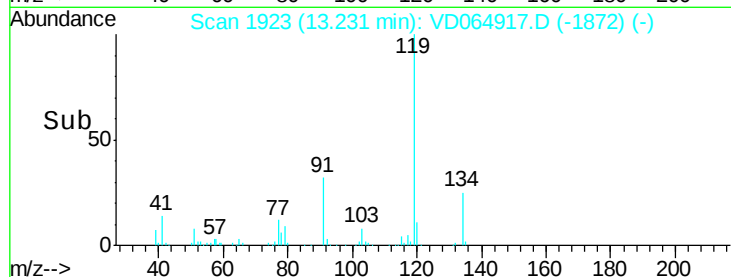
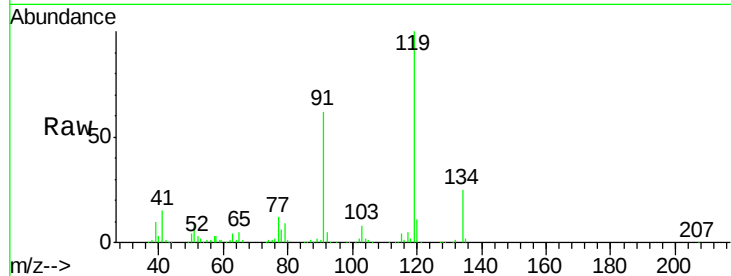
ClientSampleId :

VD0122SBS01

Tot Ion:	119	Resp:	263446
Ion Ratio	Lower	Upper	
119	100		
91	64.2	30.8	92.4
134	27.5	12.8	38.3

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#84

1,2,4-Trimethylbenzene

Concen: 22.917 ug/l

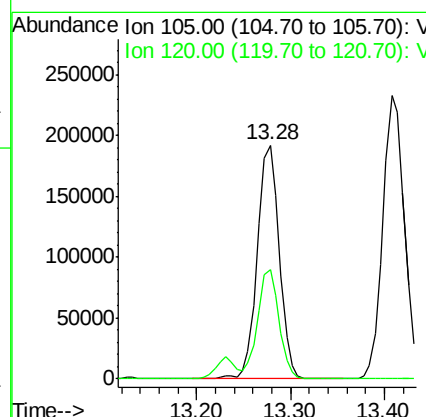
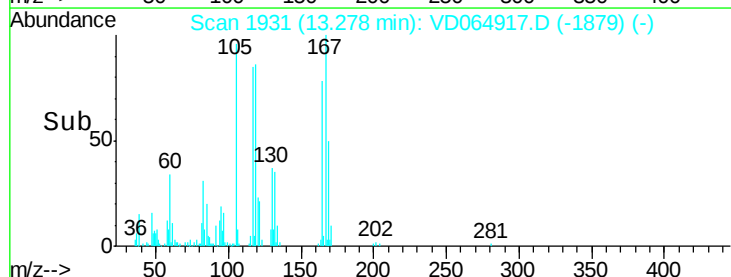
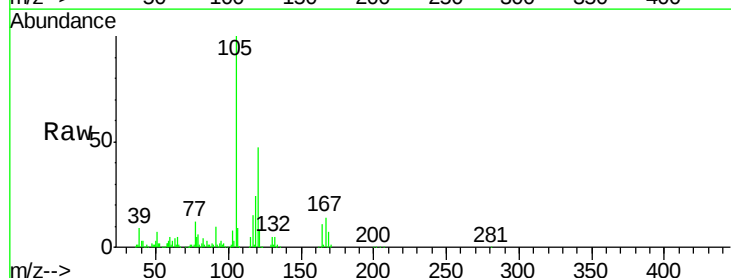
RT: 13.28 min Scan# 1931

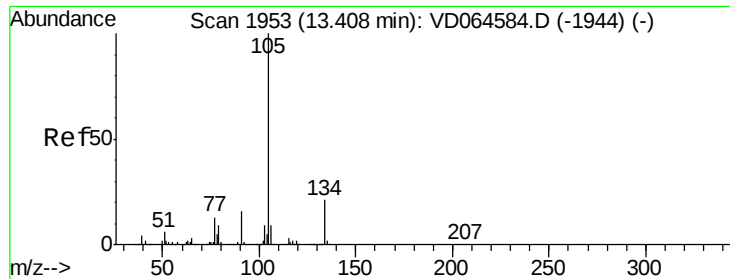
Delta R.T. 0.01 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Tgt Ion:	105	Resp:	311758
Ion Ratio	Lower	Upper	
105	100		
120	45.4	23.8	71.2





#85

sec-Butylbenzene

Concen: 22.725 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

Instrument :

MSVOA_D

ClientSampleId :

VD0122SBS01

Tot Ion:105 Resp: 369495

Ion Ratio Lower Upper

105 100

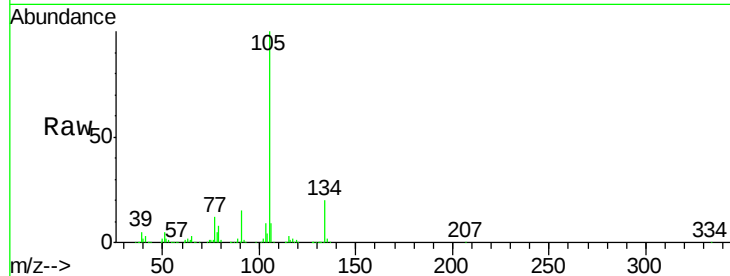
134 21.5 10.6 31.8

Manual Integrations

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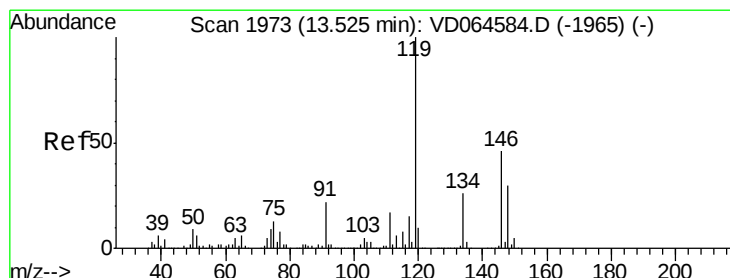
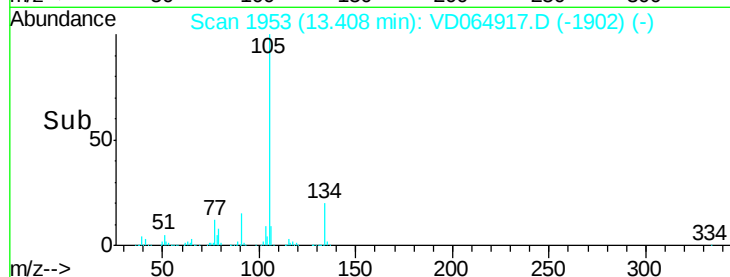
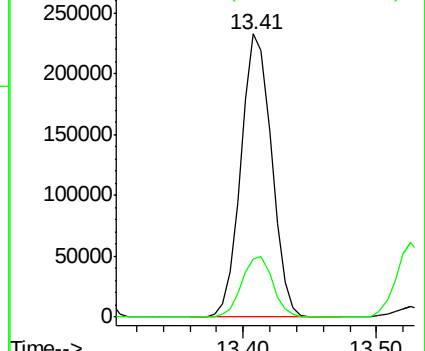
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.346 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD064917.D

Acq: 22 Jan 2020 15:13

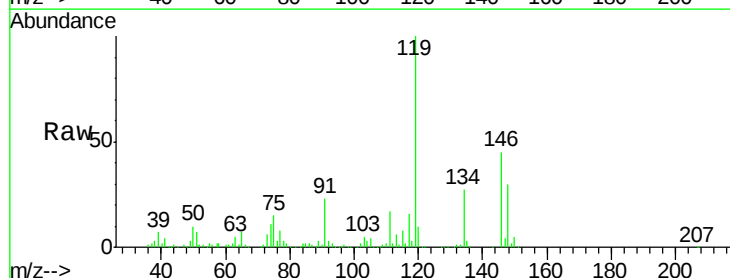
Tgt Ion:119 Resp: 347409

Ion Ratio Lower Upper

119 100

134 26.6 13.4 40.1

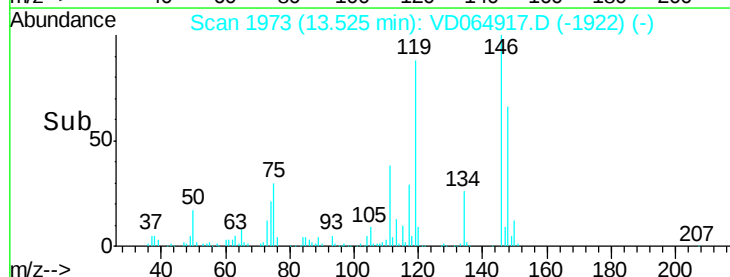
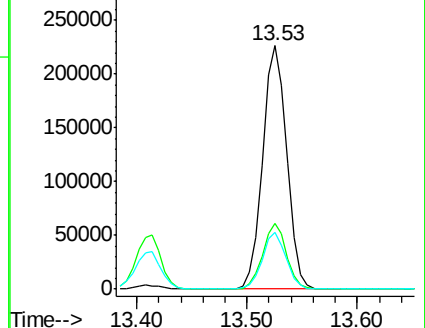
91 22.7 11.2 33.6

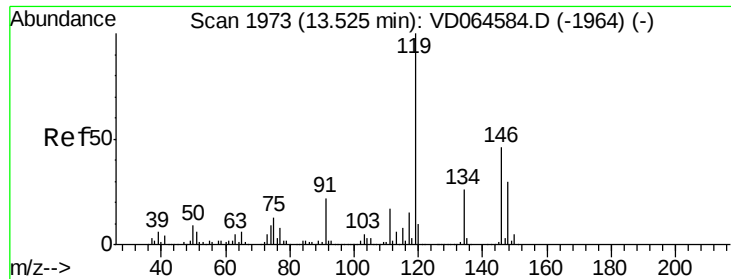


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





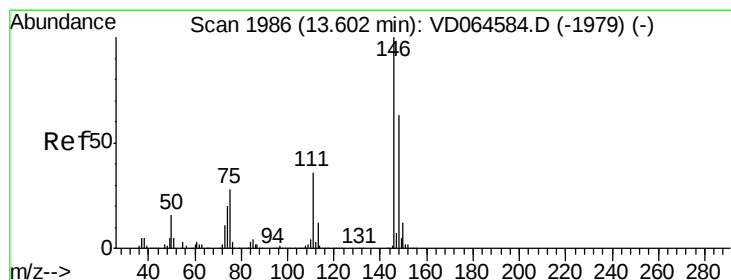
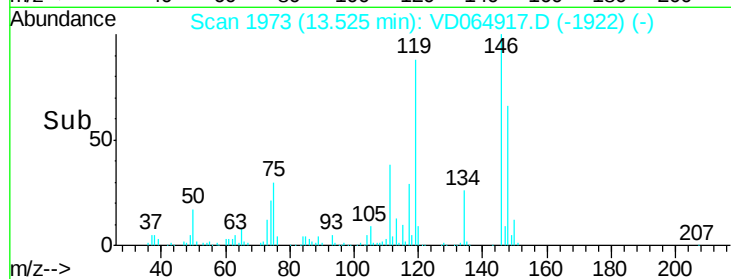
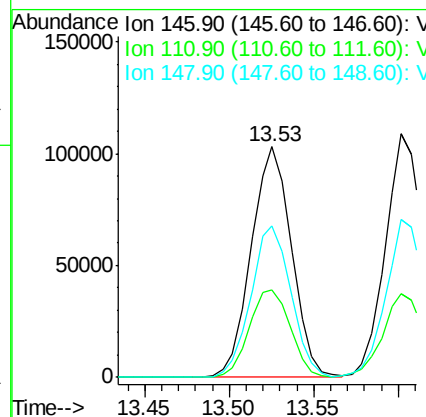
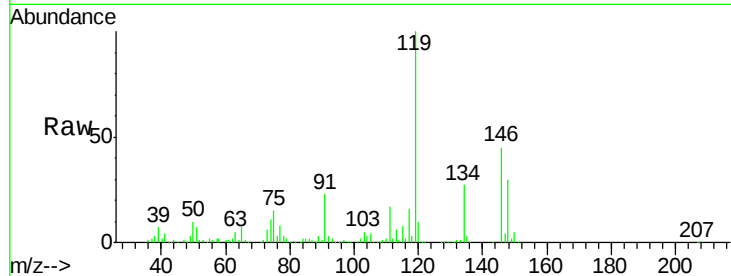
#87
 1,3-Dichlorobenzene
 Concen: 21.983 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	171223		
111	38.7	18.8	56.4	
148	65.4	32.5	97.5	

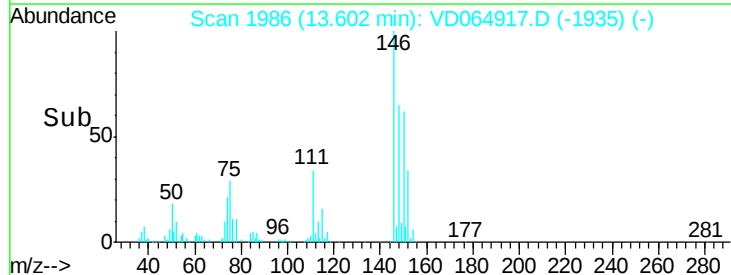
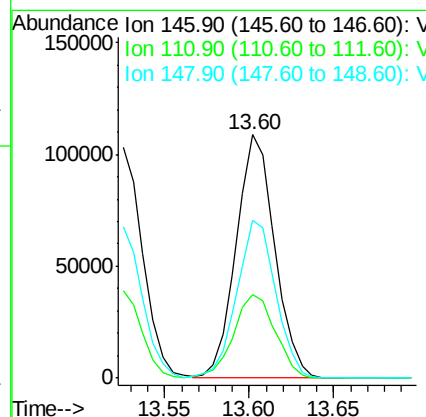
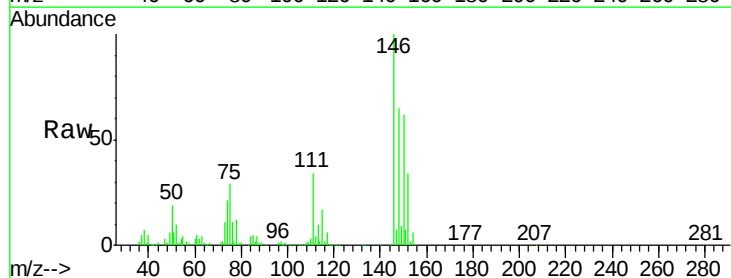
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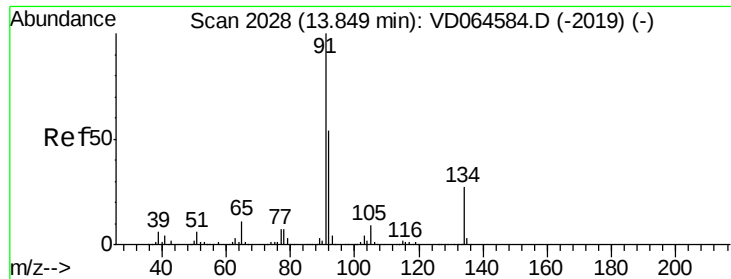
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#88
 1,4-Dichlorobenzene
 Concen: 22.632 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	173172		
111	37.1	18.1	54.1	
148	65.7	32.3	96.9	





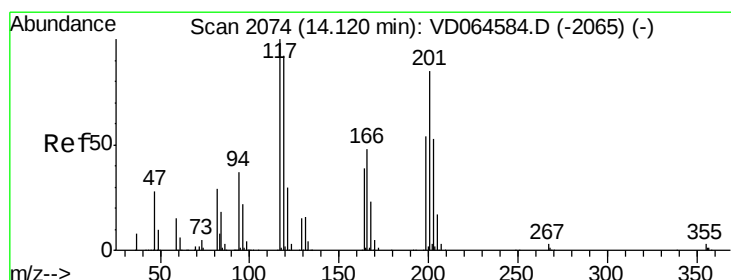
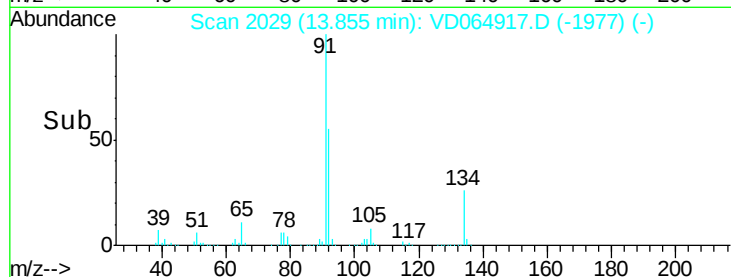
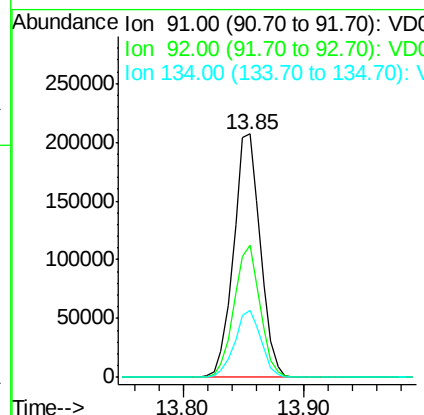
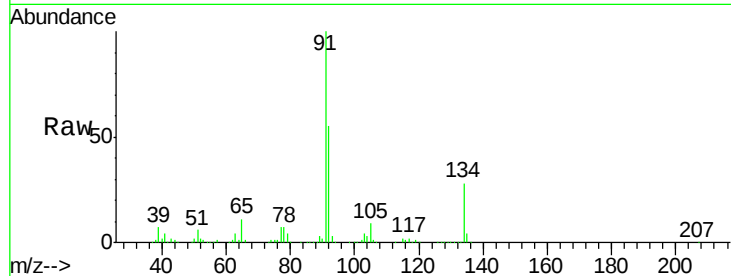
#89
n-Butylbenzene
Concen: 22.728 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. 0.01 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.0	26.8	80.4
134	27.0	14.0	41.9

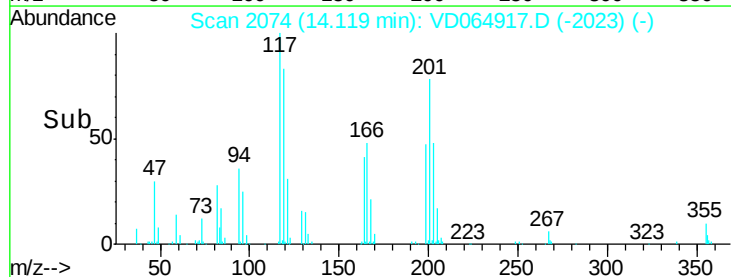
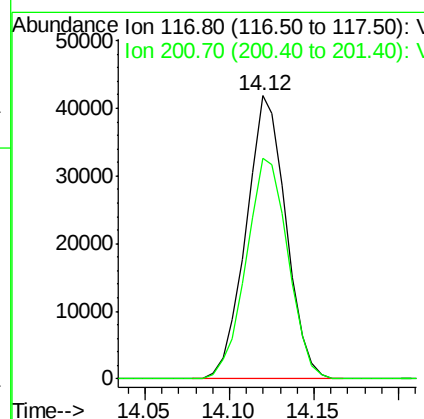
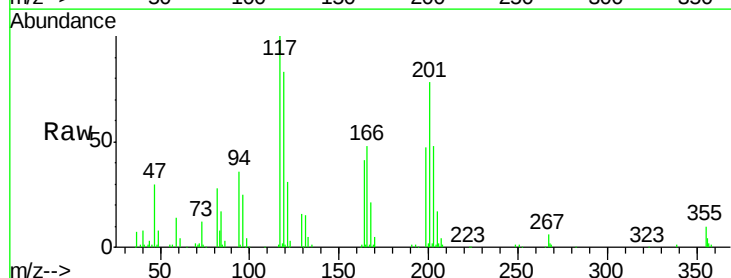
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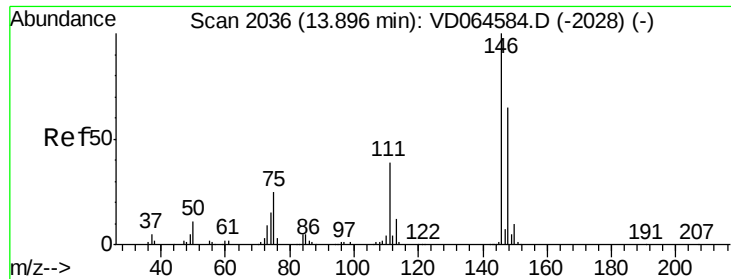
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#90
Hexachloroethane
Concen: 23.186 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.7	44.0	131.8





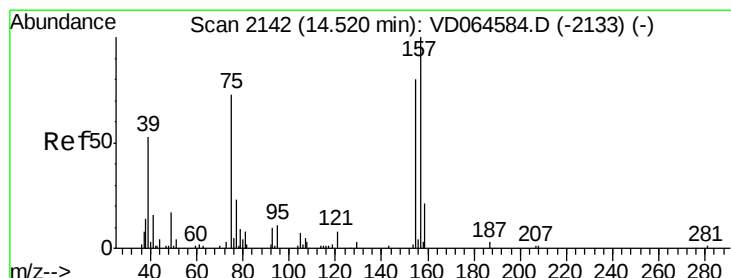
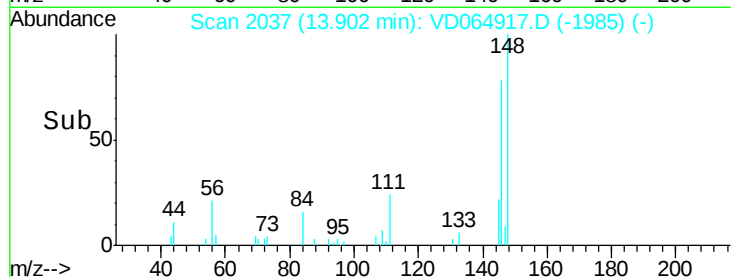
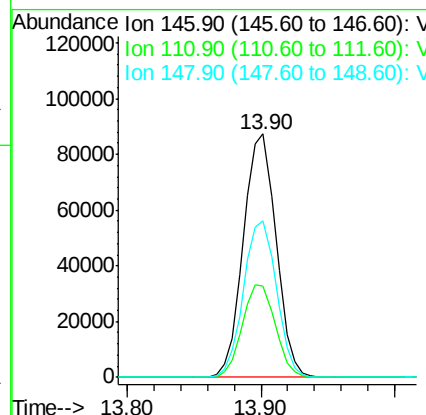
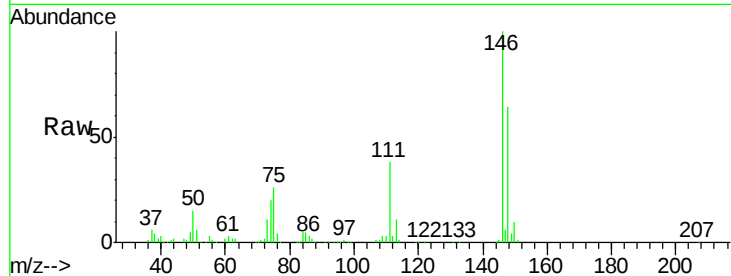
#91
 1,2-Dichlorobenzene
 Concen: 22.344 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.01 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.3	57.9
148	64.6	31.9	95.5

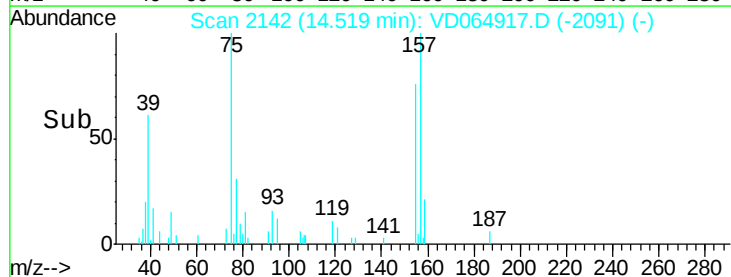
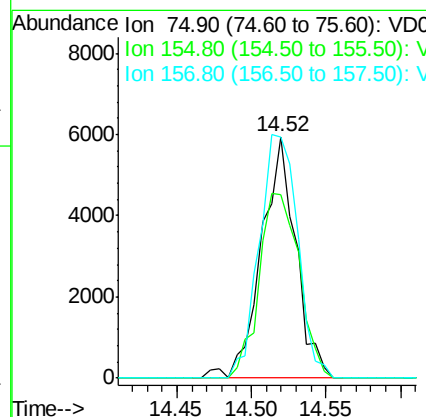
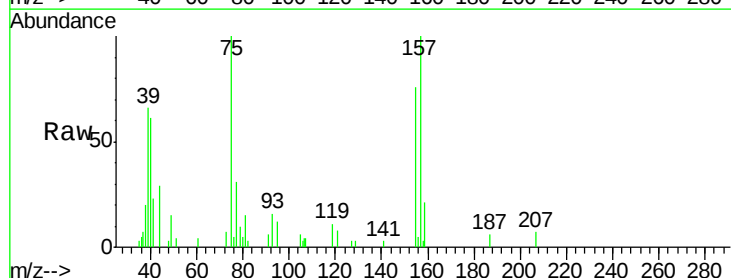
Manual Integrations
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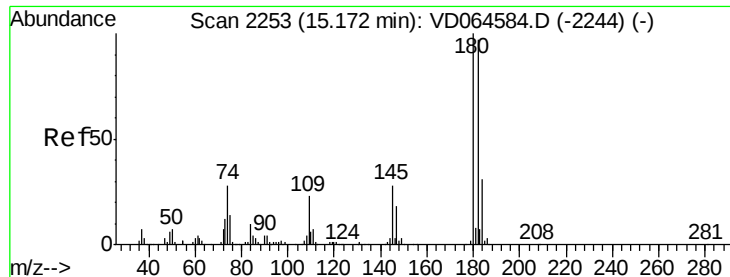
MMDadoda
 1/23/2020 11:13:41 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 22.285 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	48.0	144.0
157	112.6	64.1	192.3





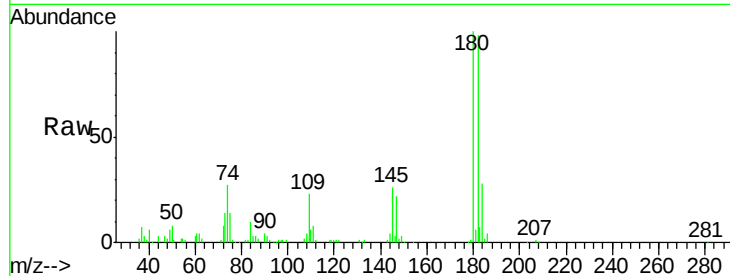
#93
 1,2,4-Trichlorobenzene
 Concen: 21.006 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0122SBS01

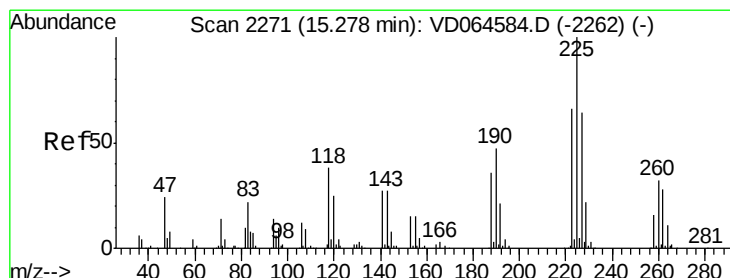
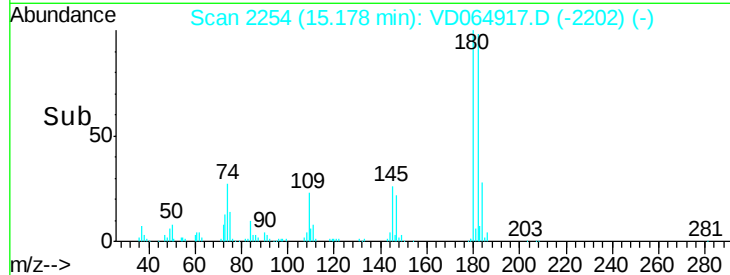
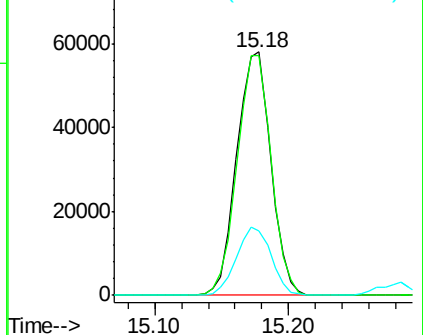
Tot Ion	Ratio	Resp	Lower	Upper
180	100	102730		
182	98.1	48.0	144.2	
145	28.4	13.8	41.4	

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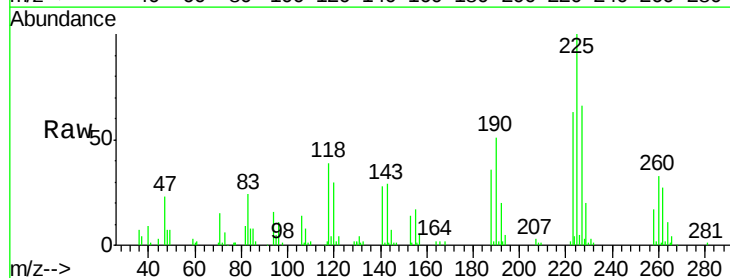


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

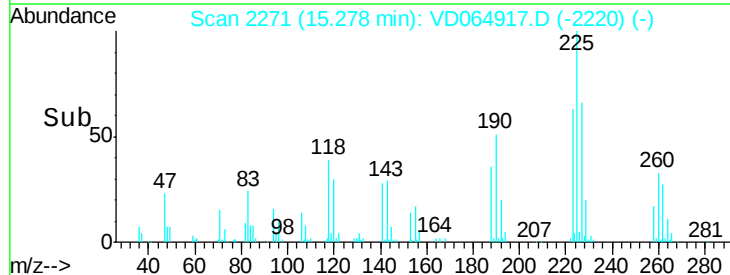
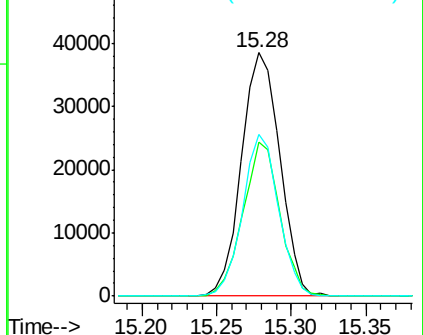


#94
 Hexachlorobutadiene
 Concen: 22.314 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD064917.D
 Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	68669		
223	60.4	31.1	93.2	
227	61.8	30.9	92.7	



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





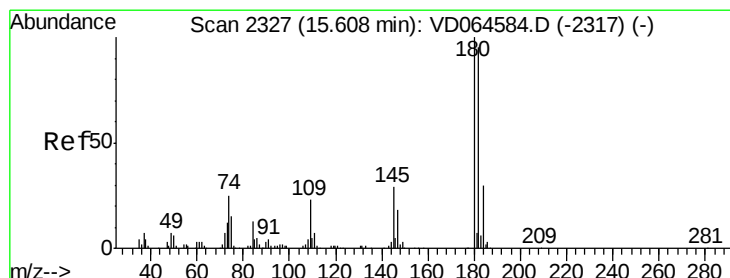
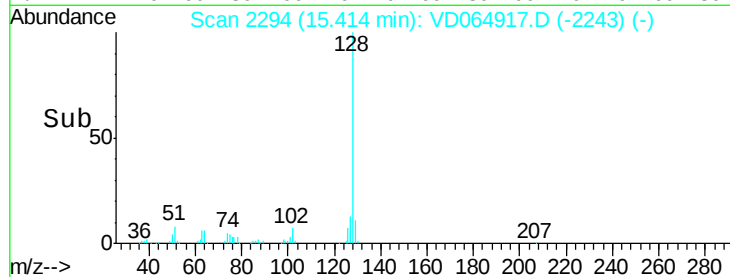
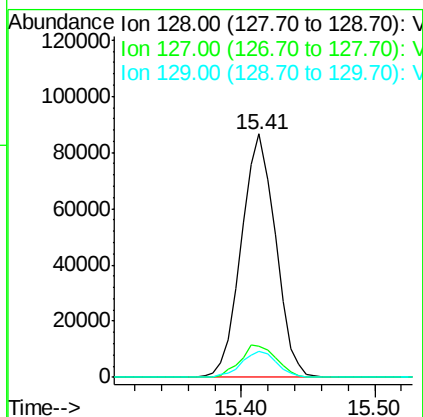
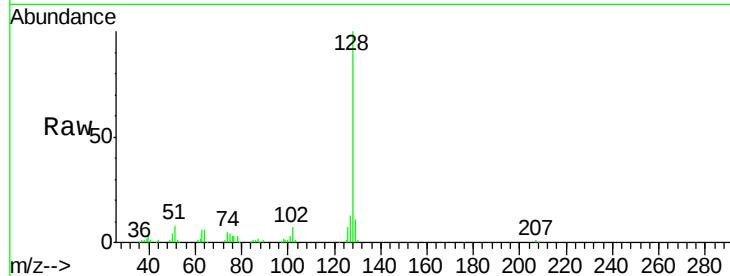
#95
Naphthalene
Concen: 19.864 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Instrument :
MSVOA_D
ClientSampleId :
VD0122SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.3	15.5
129	10.9	8.5	12.7

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#96
1,2,3-Trichlorobenzene
Concen: 21.565 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD064917.D
Acq: 22 Jan 2020 15:13

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.9	143.7
145	30.1	14.9	44.7

