

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD081320\
 Data File : VD066212.D
 Acq On : 13 Aug 2020 16:06
 Operator : VA/SY
 Sample : VD0813SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Manual Integrations
 APPROVED

MMDadoda
 8/14/2020 5:11:57 PM

Quant Time: Aug 14 03:28:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	305467	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	445637	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	405535	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212632	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	148810	54.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.20%	
35) Dibromofluoromethane	7.91	113	148128	52.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.94%	
50) Toluene-d8	10.34	98	555934	53.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.72%	
62) 4-Bromofluorobenzene	12.63	95	199214	53.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.10%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	55081	20.467	ug/l	99
3) Chloromethane	2.20	50	38429	18.356	ug/l	97
4) Vinyl Chloride	2.34	62	36043	19.446	ug/l	95
5) Bromomethane	2.76	94	25129	20.435	ug/l	95
6) Chloroethane	2.91	64	22275	19.579	ug/l #	86
7) Trichlorofluoromethane	3.27	101	91196	18.873	ug/l	97
8) Diethyl Ether	3.71	74	25276	18.538	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	54298	18.934	ug/l	98
10) Methyl Iodide	4.30	142	52391	24.085	ug/l	98
11) Tert butyl alcohol	5.21	59	23876	93.557	ug/l #	76
12) 1,1-Dichloroethene	4.07	96	51078	18.881	ug/l	89
13) Acrolein	3.91	56	15019	69.237	ug/l	94
14) Allyl chloride	4.70	41	73912	18.034	ug/l	97
15) Acrylonitrile	5.42	53	56221	97.853	ug/l	98
16) Acetone	4.16	43	51572	99.735	ug/l	98
17) Carbon Disulfide	4.40	76	155619	18.092	ug/l	99
18) Methyl Acetate	4.71	43	25348	19.299	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	117145	18.893	ug/l	99
20) Methylene Chloride	4.96	84	77992	23.821	ug/l	99
21) trans-1,2-Dichloroethene	5.47	96	57828	18.608	ug/l	95
22) Diisopropyl ether	6.36	45	149871	18.492	ug/l	96
23) Vinyl Acetate	6.30	43	439644	92.595	ug/l	98
24) 1,1-Dichloroethane	6.26	63	94919	18.925	ug/l	98
25) 2-Butanone	7.21	43	66864	87.916	ug/l	100
26) 2,2-Dichloropropane	7.20	77	87225	19.403	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	60212	18.472	ug/l	98
28) Bromochloromethane	7.54	49	39213	22.260	ug/l	96
29) Tetrahydrofuran	7.56	42	44657	94.771	ug/l	97
30) Chloroform	7.71	83	109232	20.741	ug/l	100
31) Cyclohexane	7.98	56	89091	18.660	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	93907	19.017	ug/l	98
36) 1,1-Dichloropropene	8.10	75	80062	19.119	ug/l	100
37) Ethyl Acetate	7.29	43	30177	18.188	ug/l	99
38) Carbon Tetrachloride	8.09	117	90746	19.432	ug/l	89

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	93160	18.403	ug/l	92
40) Benzene	8.34	78	215042	18.511	ug/l	99
41) Methacrylonitrile	7.51	41	11764m	12.059	ug/l	
42) 1,2-Dichloroethane	8.42	62	64919	19.023	ug/l	99
43) Isopropyl Acetate	8.45	43	61929	18.944	ug/l	98
44) Trichloroethene	9.11	130	66793	19.081	ug/l	99
45) 1,2-Dichloropropane	9.38	63	52953	18.638	ug/l	93
46) Dibromomethane	9.47	93	30222	19.311	ug/l	99
47) Bromodichloromethane	9.66	83	79786	19.290	ug/l	96
48) Methyl methacrylate	9.45	41	29553	17.704	ug/l	91
49) 1,4-Dioxane	9.46	88	7271	361.630	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	157451	93.765	ug/l	100
52) Toluene	10.40	92	141316	18.487	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	73059	18.612	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	86306	18.766	ug/l #	92
55) 1,1,2-Trichloroethane	10.80	97	42007	18.641	ug/l	97
56) Ethyl methacrylate	10.66	69	50361	18.603	ug/l	99
57) 1,3-Dichloropropane	10.94	76	69052	18.457	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.94	63	131480	107.974	ug/l	100
59) 2-Hexanone	10.98	43	110103	93.427	ug/l	97
60) Dibromochloromethane	11.14	129	59419	19.099	ug/l	100
61) 1,2-Dibromoethane	11.24	107	40687	18.774	ug/l	95
64) Tetrachloroethene	10.87	164	58277	18.714	ug/l	95
65) Chlorobenzene	11.67	112	156517	19.012	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	62012	19.252	ug/l	98
67) Ethyl Benzene	11.74	91	272440	19.097	ug/l	99
68) m/p-Xylenes	11.85	106	210113	38.014	ug/l	96
69) o-Xylene	12.18	106	96846	19.261	ug/l	98
70) Styrene	12.20	104	173536	19.694	ug/l	100
71) Bromoform	12.36	173	36648	19.203	ug/l #	96
73) Isopropylbenzene	12.48	105	267046	18.814	ug/l	99
74) N-amyl acetate	12.28	43	57438	18.377	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	47037	19.435	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	28420m	16.028	ug/l	
77) Bromobenzene	12.76	156	69328	18.974	ug/l	99
78) n-propylbenzene	12.82	91	316916	19.208	ug/l	100
79) 2-Chlorotoluene	12.91	91	179415	19.013	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	225941	19.034	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	15199	18.948	ug/l	93
82) 4-Chlorotoluene	13.01	91	189040	18.977	ug/l	98
83) tert-Butylbenzene	13.23	119	194897	18.670	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	227882	19.183	ug/l	98
85) sec-Butylbenzene	13.40	105	268754	19.068	ug/l	100
86) p-Isopropyltoluene	13.52	119	256879	19.432	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	130155	18.954	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	128597	18.778	ug/l	97
89) n-Butylbenzene	13.84	91	226084	19.089	ug/l	99
90) Hexachloroethane	14.11	117	49059	18.608	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	113568	18.700	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7390	17.766	ug/l	88

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ClientSampleId :
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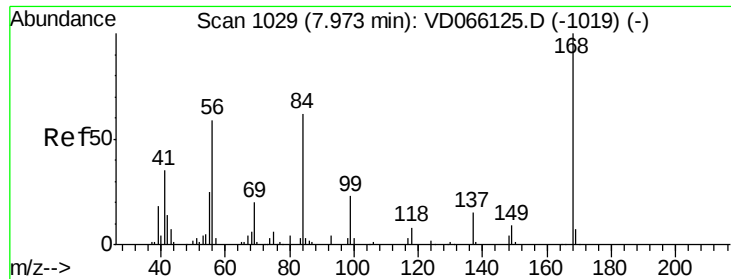
Manual Integrations
APPROVED

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8/14/2020 5:11:57 PM

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	83514	18.660	ug/l	99
94) Hexachlorobutadiene	15.27	225	50077	19.001	ug/l	98
95) Naphthalene	15.41	128	137719	18.885	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	73678	18.649	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

Tot Ion:168 Resp: 305467

Ion Ratio Lower Upper

168 100

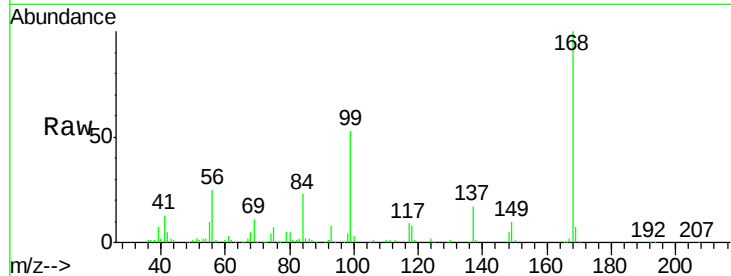
99 52.7 42.2 63.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

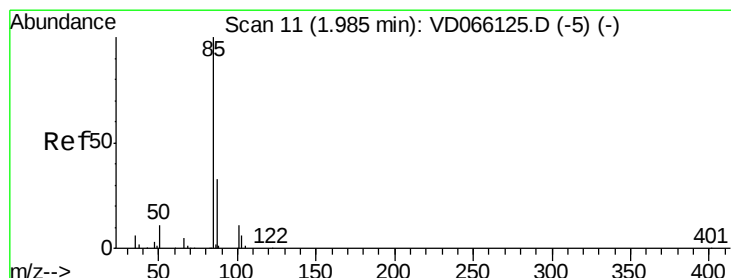
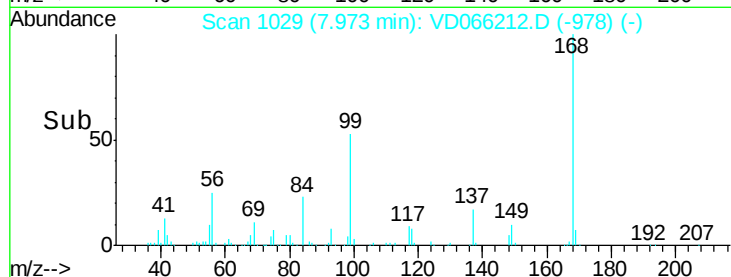
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 20.467 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD066212.D

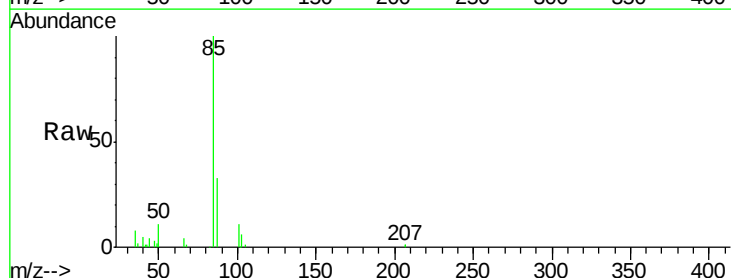
Acq: 13 Aug 2020 16:06

Tgt Ion: 85 Resp: 55081

Ion Ratio Lower Upper

85 100

87 32.8 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

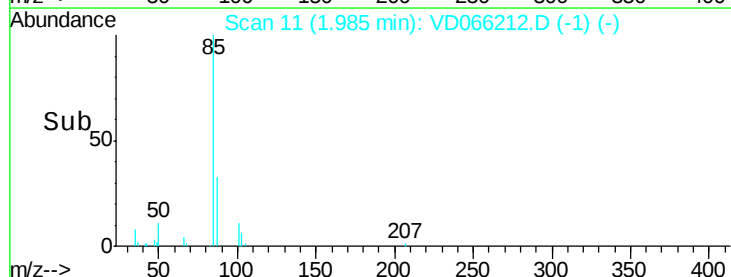
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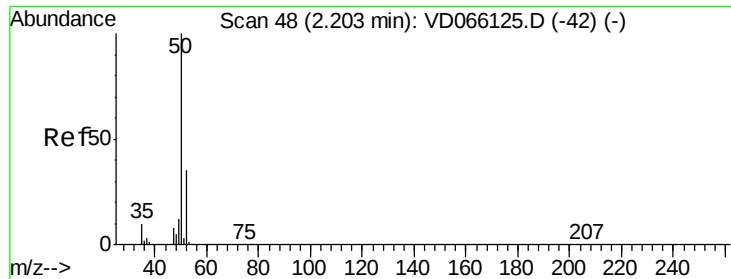
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Time-->





#3

Chloromethane

Concen: 18.356 ug/l

RT: 2.20 min Scan# 48

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 50 Resp: 38429

Ion Ratio Lower Upper

50 100

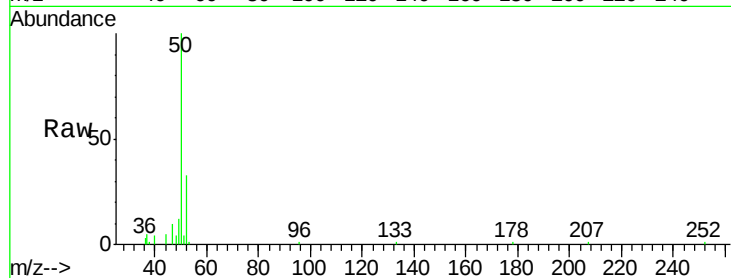
52 33.4 27.9 41.9

Manual Integrations

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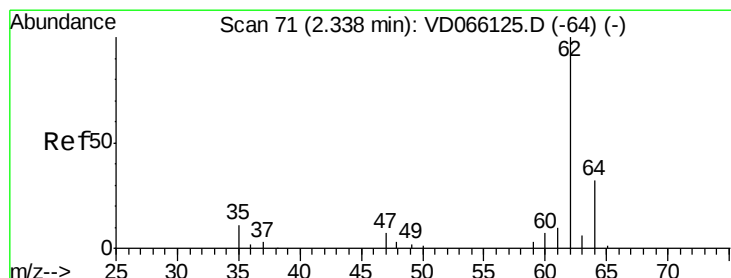
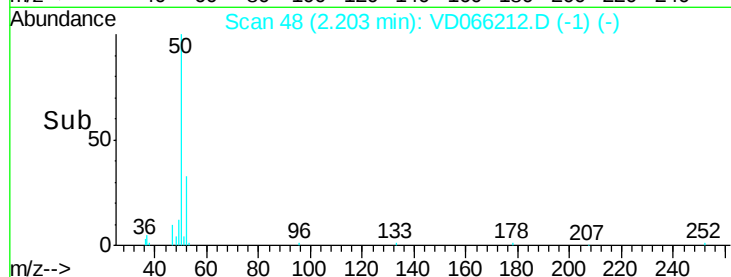
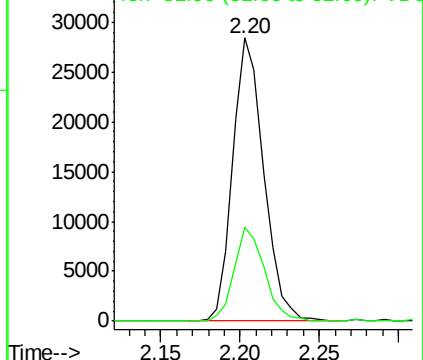
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.446 ug/l

RT: 2.34 min Scan# 72

Delta R.T. 0.01 min

Lab File: VD066212.D

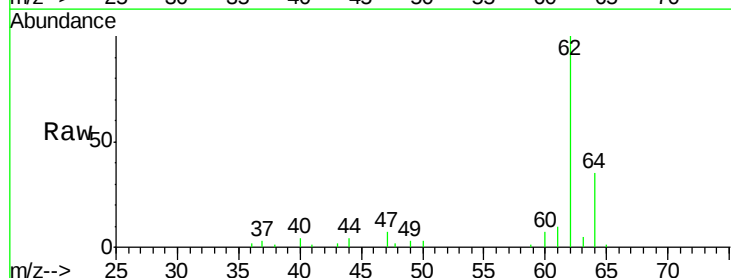
Acq: 13 Aug 2020 16:06

Tgt Ion: 62 Resp: 36043

Ion Ratio Lower Upper

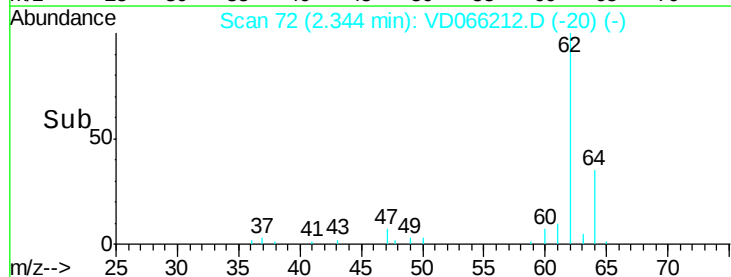
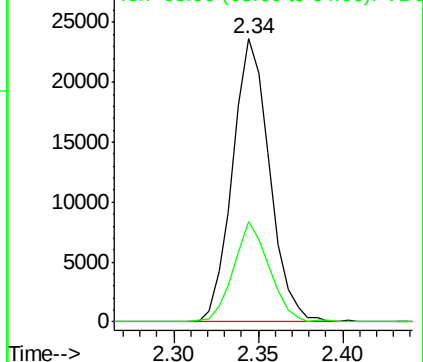
62 100

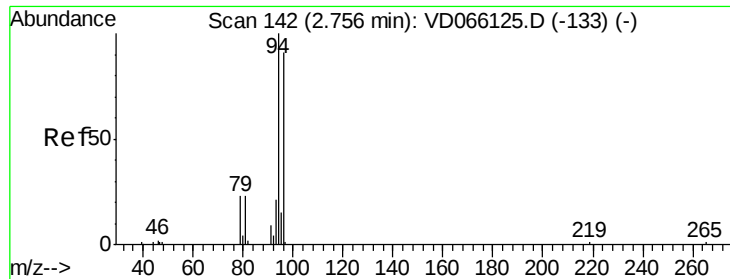
64 35.3 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.435 ug/l

RT: 2.76 min Scan# 142

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 94 Resp: 25129

Ion Ratio Lower Upper

94 100

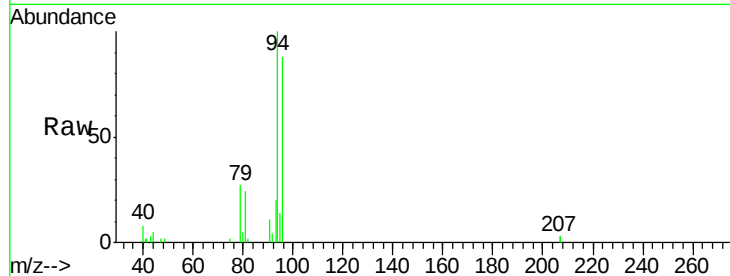
96 85.9 72.6 109.0

Manual Integrations

APPROVED

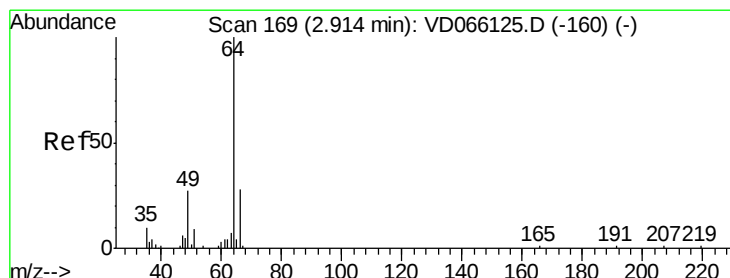
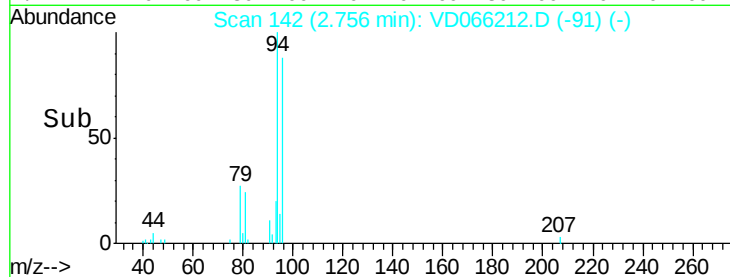
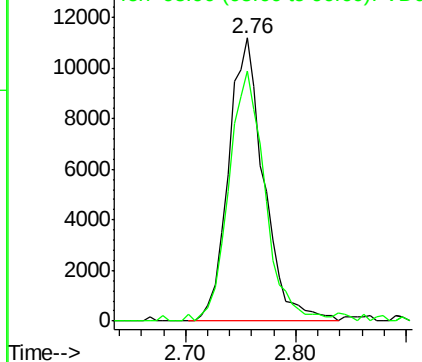
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.579 ug/l

RT: 2.91 min Scan# 169

Delta R.T. 0.00 min

Lab File: VD066212.D

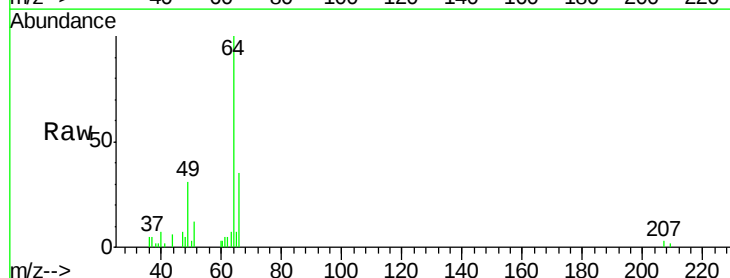
Acq: 13 Aug 2020 16:06

Tgt Ion: 64 Resp: 22275

Ion Ratio Lower Upper

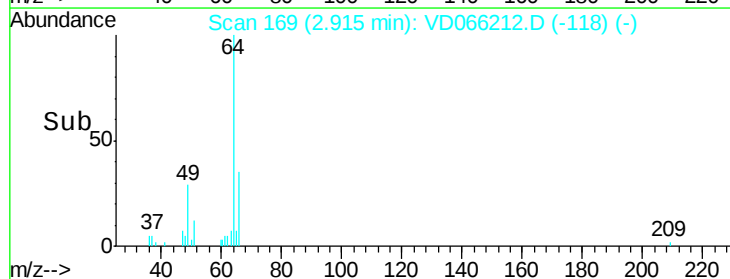
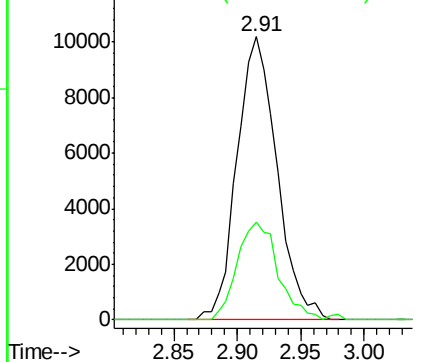
64 100

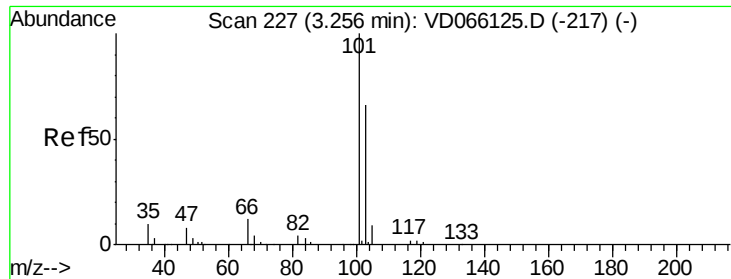
66 34.7 22.0 33.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

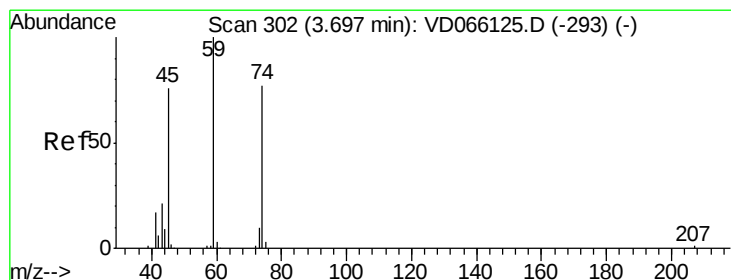
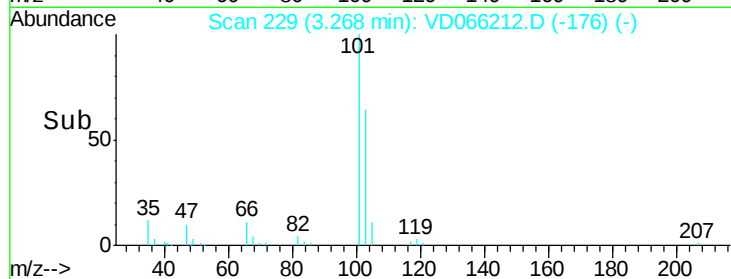
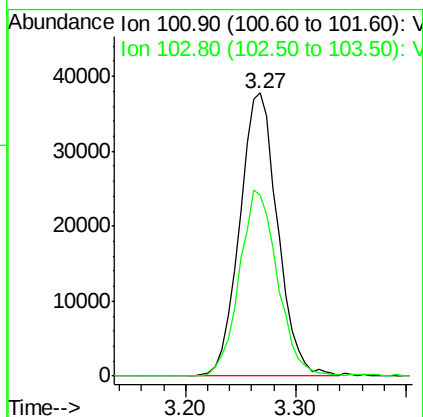
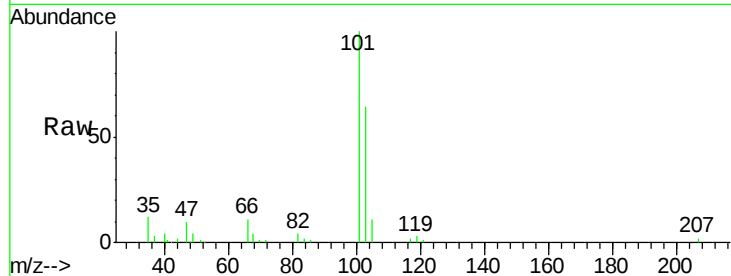
Trichlorofluoromethane
Concen: 18.873 ug/l
RT: 3.27 min Scan# 229
Delta R.T. 0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

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VD0813SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.1	53.0	79.6

Manual Integrations
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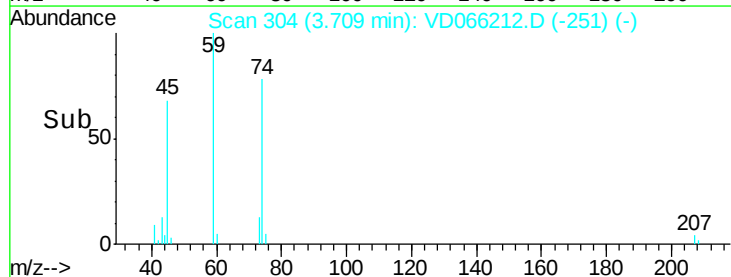
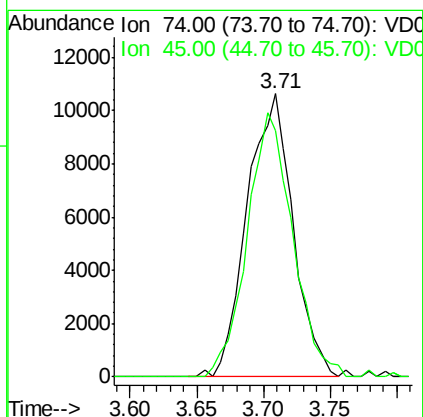
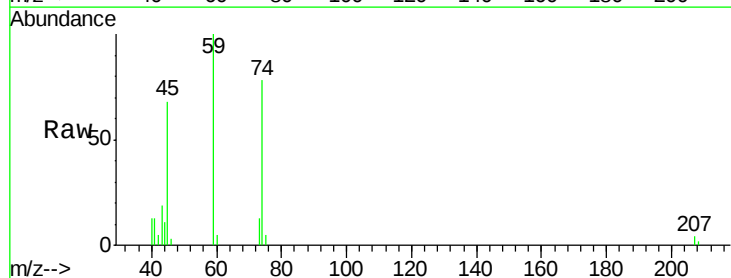
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8/14/2020 5:11:57 PM

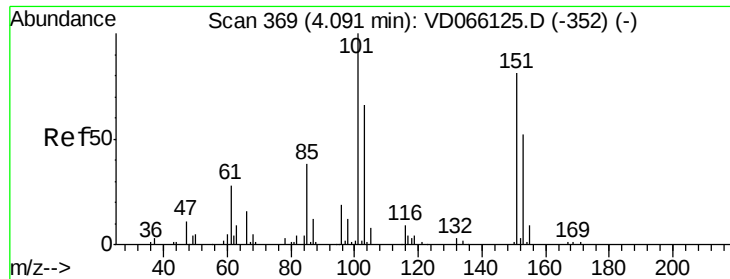


#8

Diethyl Ether
Concen: 18.538 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.4	48.4	145.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.934 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

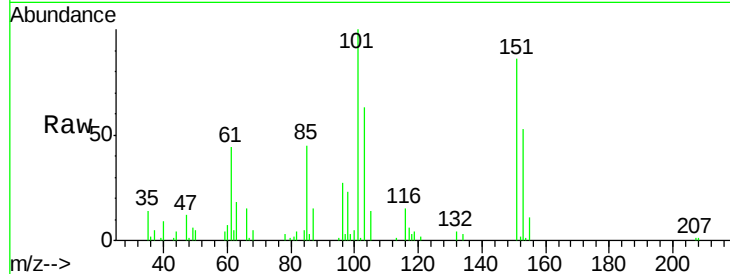
ClientSampleId :

VD0813SBS01

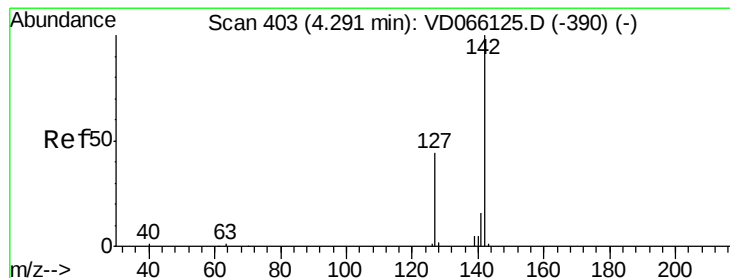
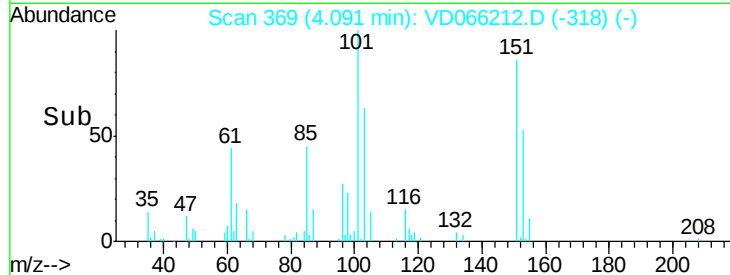
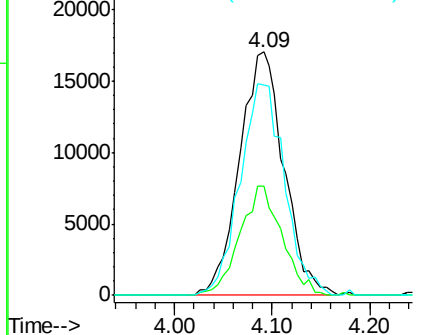
Tot Ion:	101	Resp:	54298
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.5	50.3
151	87.1	67.8	101.8

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 24.085 ug/l

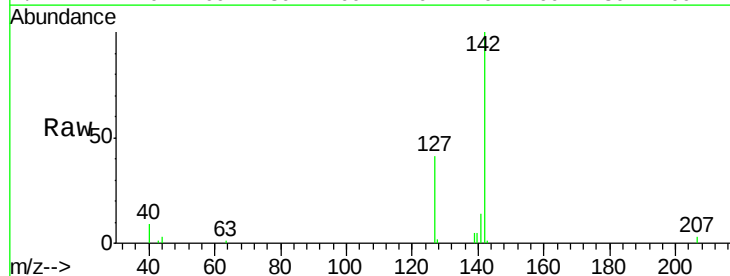
RT: 4.30 min Scan# 404

Delta R.T. 0.01 min

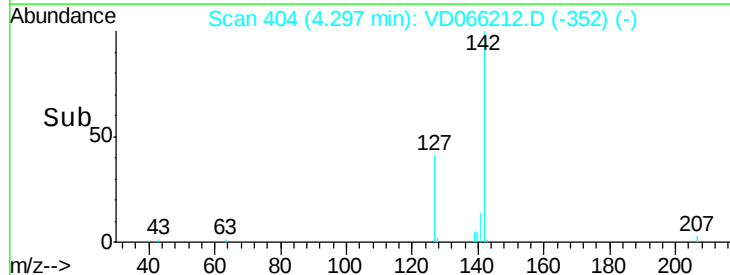
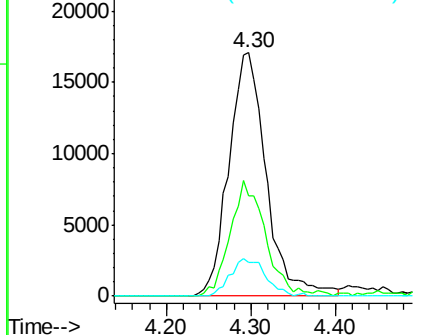
Lab File: VD066212.D

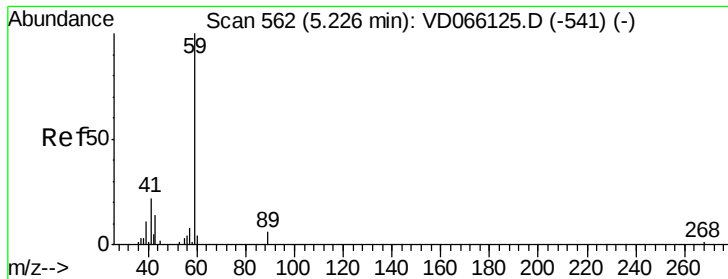
Acq: 13 Aug 2020 16:06

Tgt Ion:	142	Resp:	52391
Ion Ratio	Lower	Upper	
142	100		
127	44.4	36.2	54.4
141	14.3	12.6	18.8



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





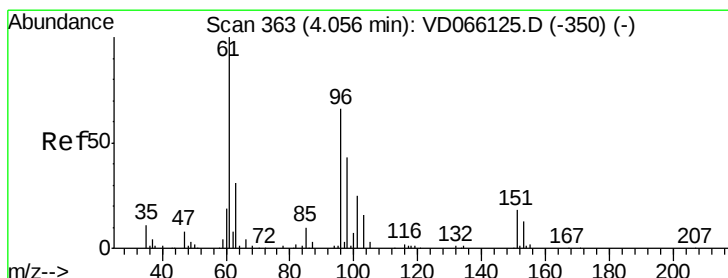
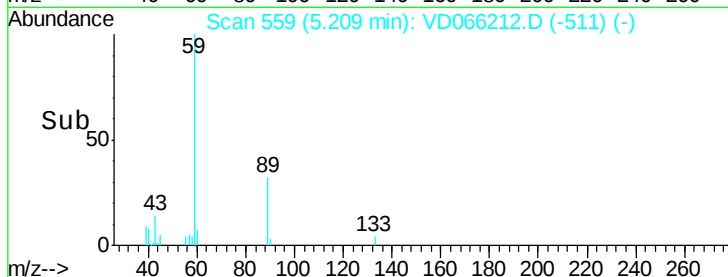
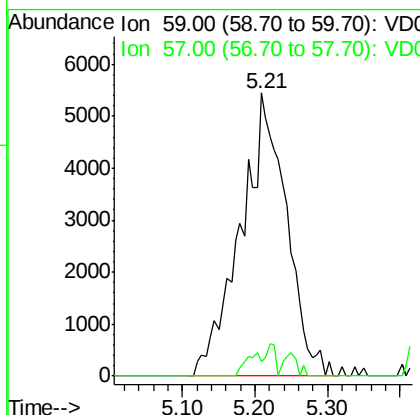
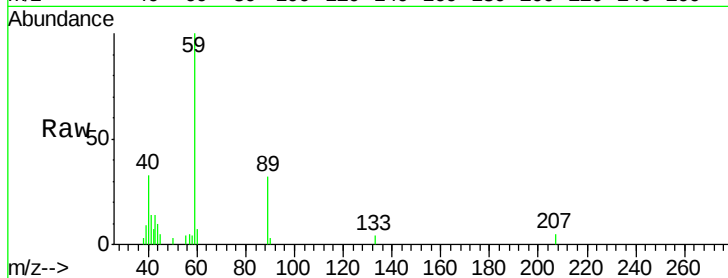
#11
Tert butyl alcohol
Concen: 93.557 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 59 Resp: 23876
Ion Ratio Lower Upper
59 100
57 0.0 7.0 10.4#

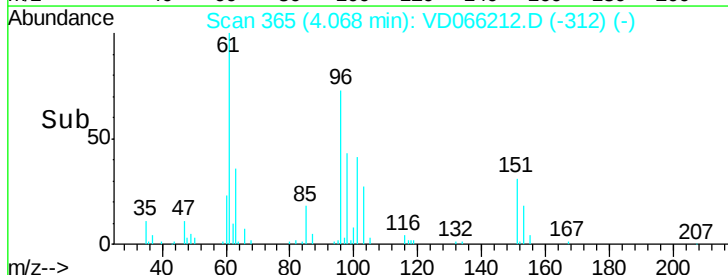
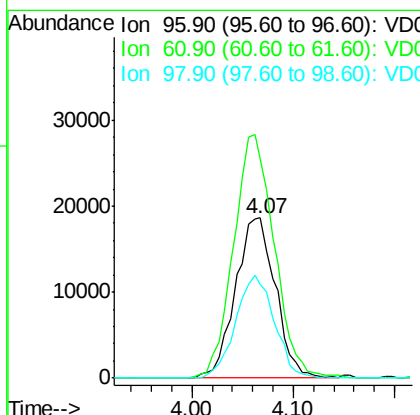
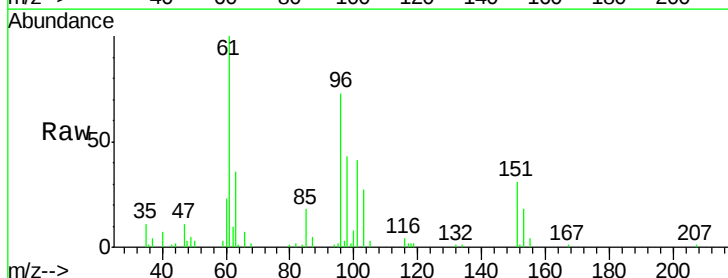
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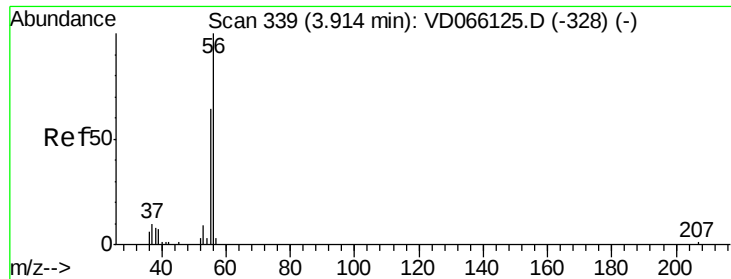
MMDadoda
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#12
1,1-Dichloroethene
Concen: 18.881 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion: 96 Resp: 51078
Ion Ratio Lower Upper
96 100
61 136.6 121.6 182.4
98 58.9 52.0 78.0





#13

Acrolein

Concen: 69.237 ug/l

RT: 3.91 min Scan# 339

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 56 Resp: 15019

Ion Ratio Lower Upper

56 100

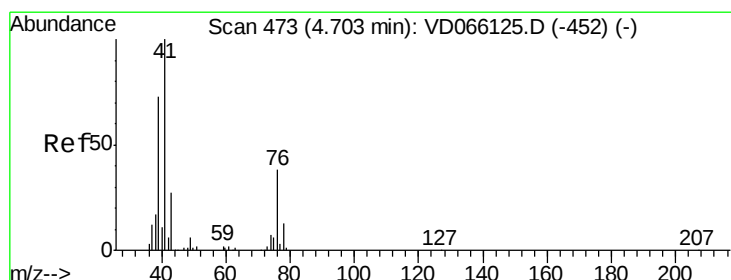
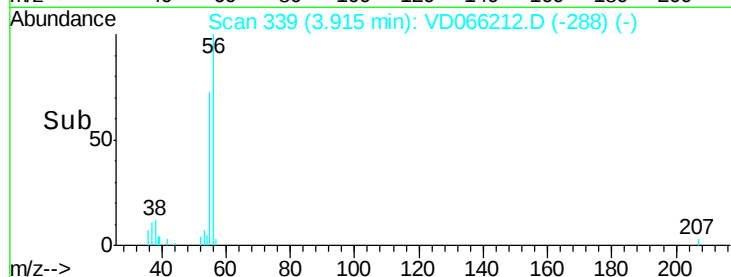
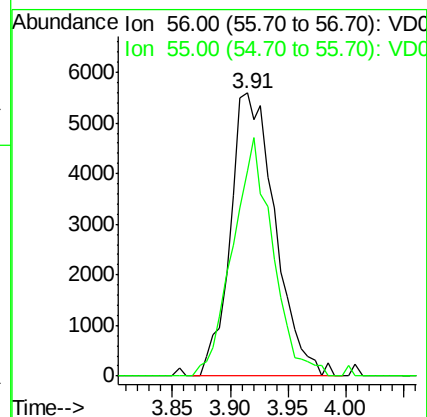
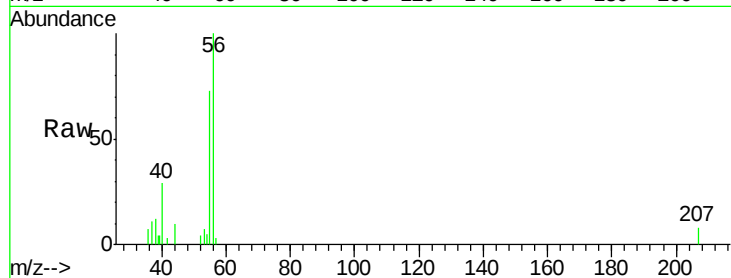
55 75.8 56.7 85.1

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#14

Allyl chloride

Concen: 18.034 ug/l

RT: 4.70 min Scan# 473

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

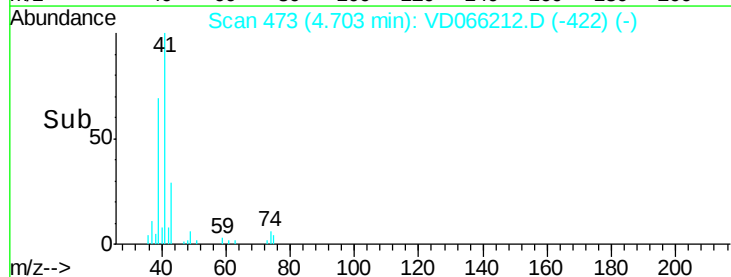
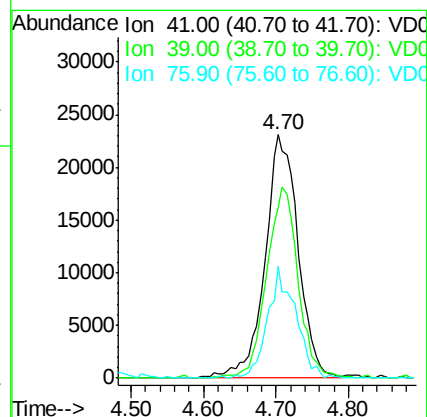
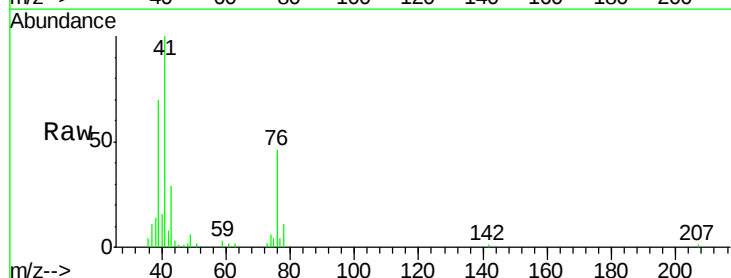
Tgt Ion: 41 Resp: 73912

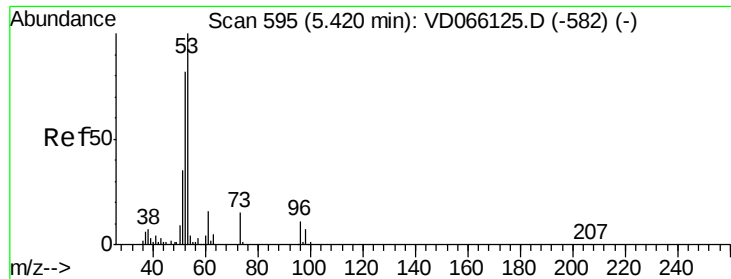
Ion Ratio Lower Upper

41 100

39 74.6 57.4 86.0

76 38.9 30.1 45.1





#15

Acrylonitrile

Concen: 97.853 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

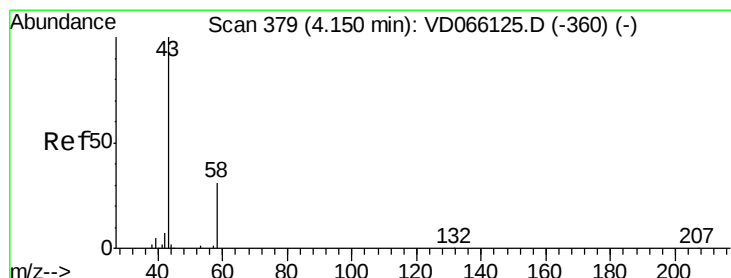
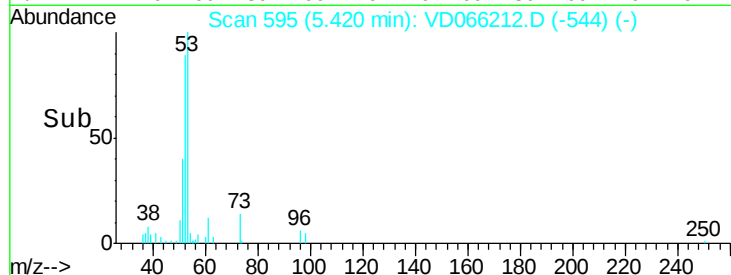
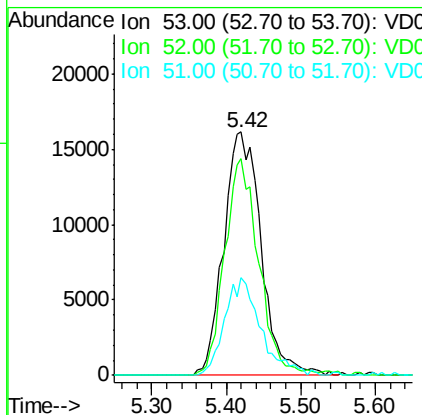
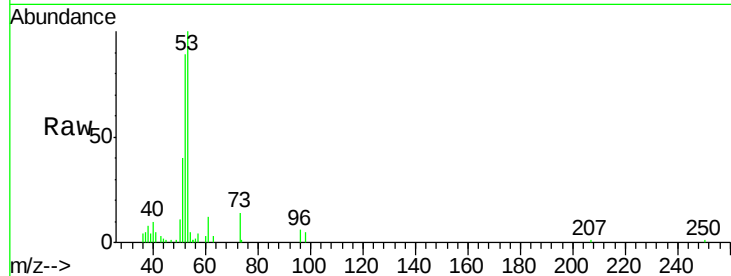
ClientSampleId :

VD0813SBS01

Tot Ion:	53	Resp:	56221
Ion Ratio	Lower	Upper	
53	100		
52	80.3	66.1	99.1
51	38.2	30.8	46.2

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#16

Acetone

Concen: 99.735 ug/l

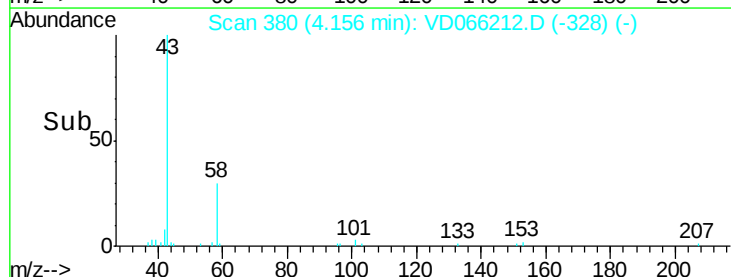
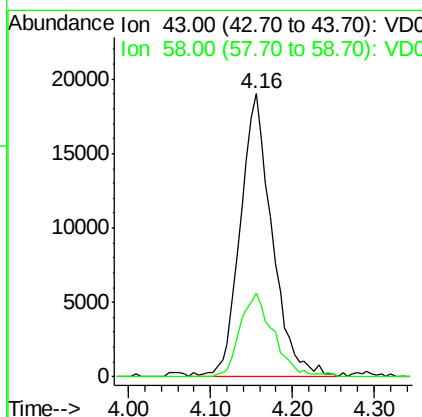
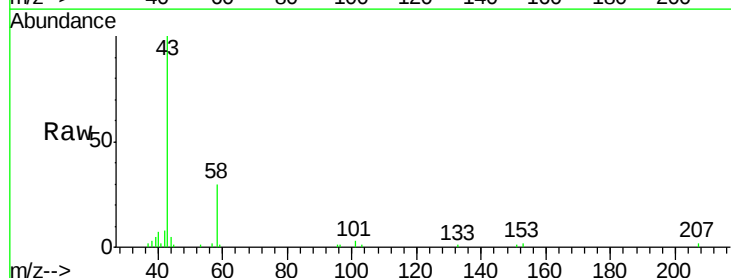
RT: 4.16 min Scan# 380

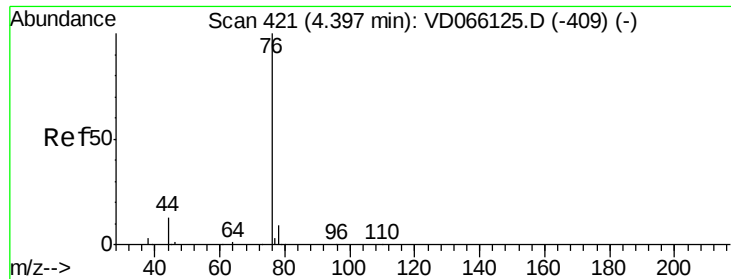
Delta R.T. 0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Tgt Ion:	43	Resp:	51572
Ion Ratio	Lower	Upper	
43	100		
58	29.5	24.7	37.1





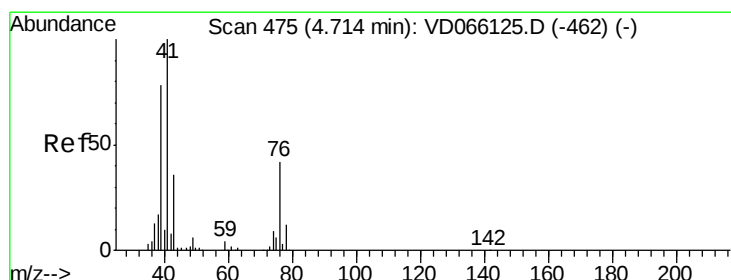
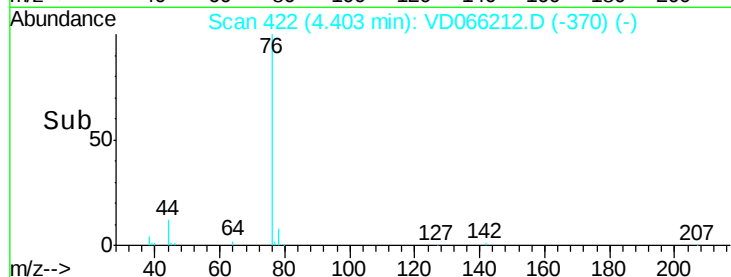
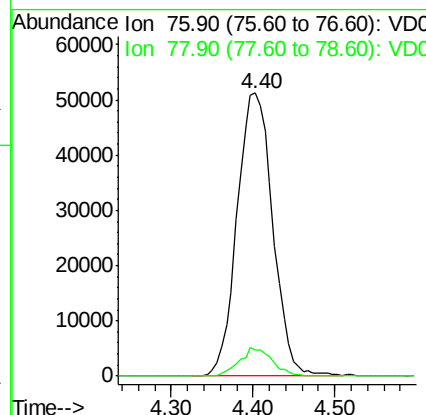
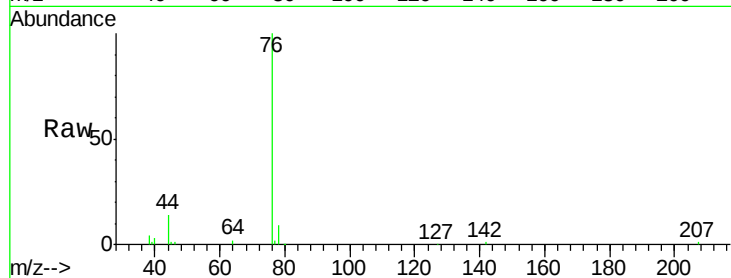
#17
Carbon Disulfide
Concen: 18.092 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
76	100	155619		
78	9.1		7.5	11.3

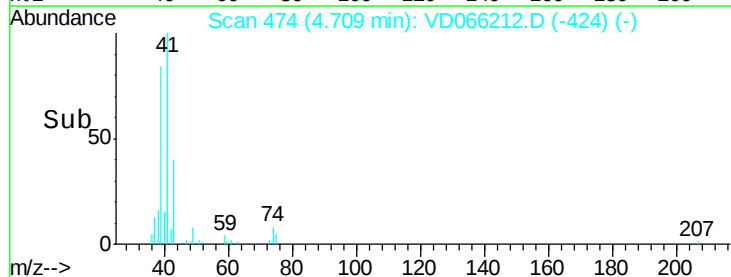
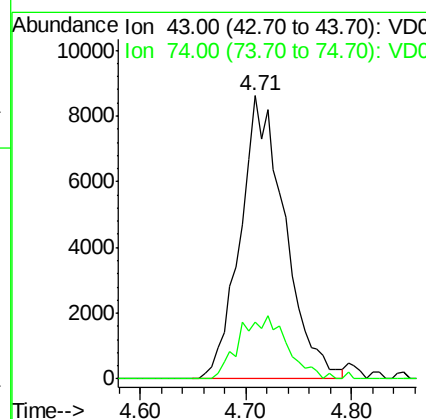
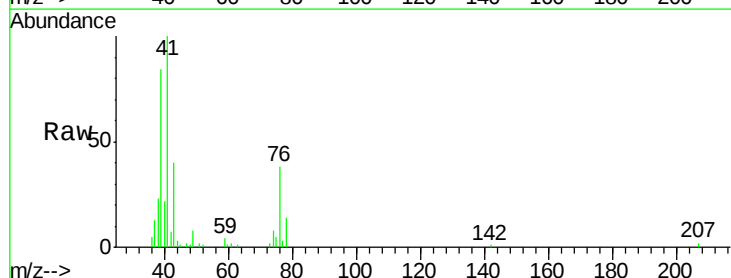
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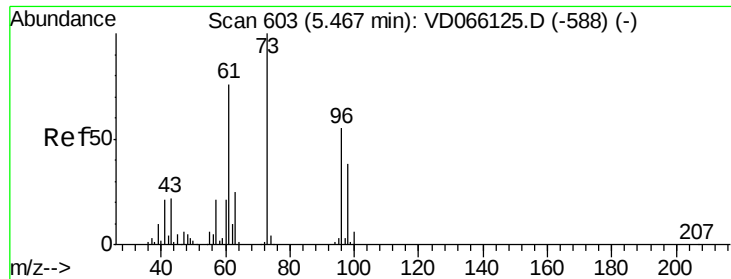
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#18
Methyl Acetate
Concen: 19.299 ug/l
RT: 4.71 min Scan# 474
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	25348		
74	23.8		21.2	31.8





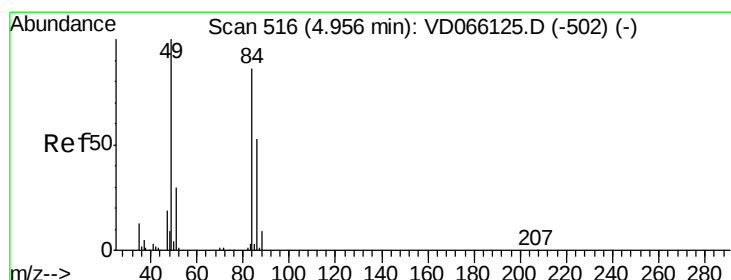
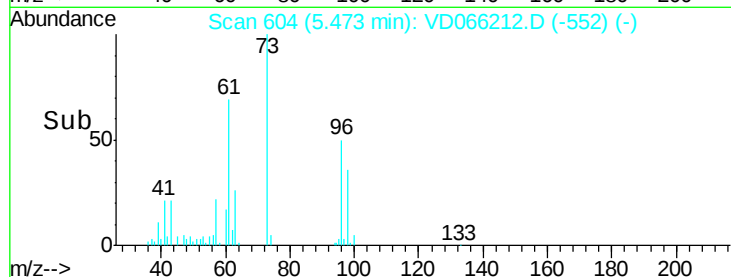
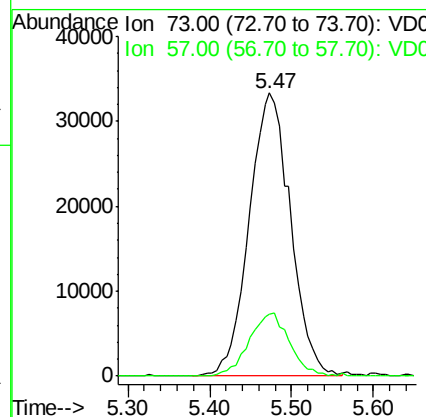
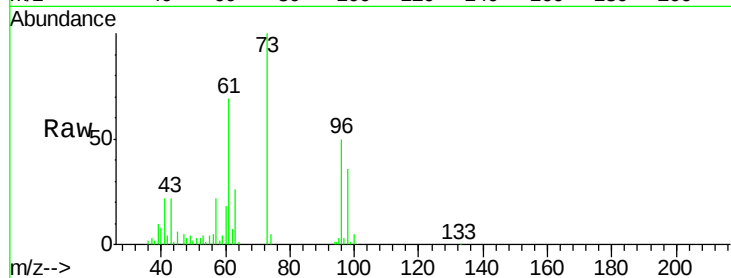
#19
Methyl tert-butyl Ether
Concen: 18.893 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleID :
VD0813SBS01

Tot Ion: 73 Resp: 117145
Ion Ratio Lower Upper
73 100
57 22.0 17.1 25.7

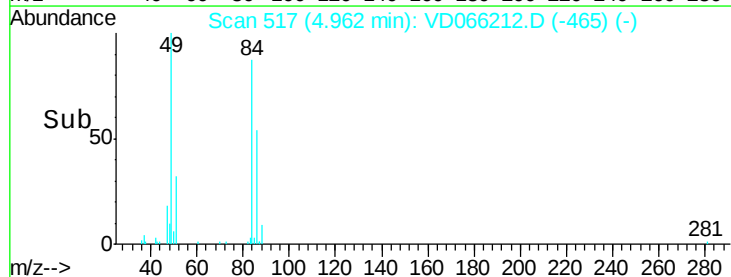
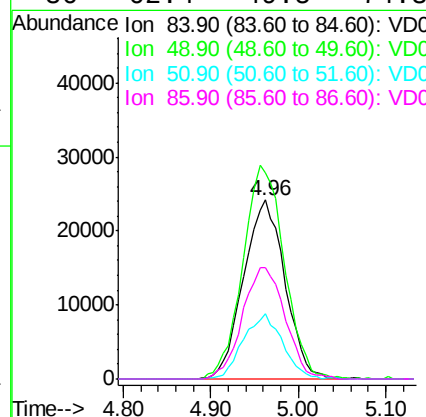
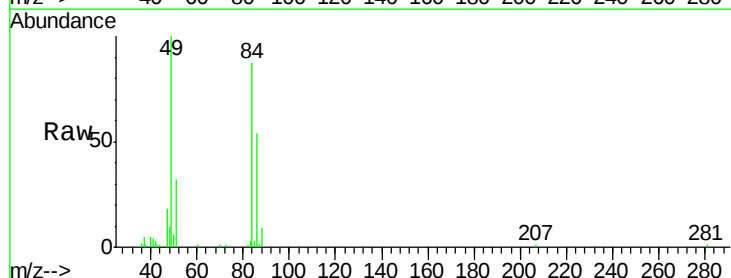
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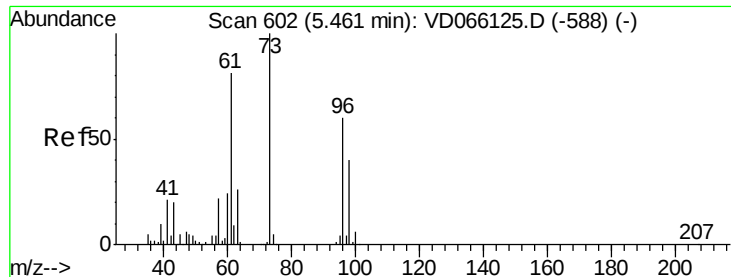
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#20
Methylene Chloride
Concen: 23.821 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion: 84 Resp: 77992
Ion Ratio Lower Upper
84 100
49 114.9 93.5 140.3
51 36.2 28.2 42.4
86 62.4 49.5 74.3





#21

trans-1,2-Dichloroethene

Concen: 18.608 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 96 Resp: 57828

Ion Ratio Lower Upper

96 100

61 125.3 106.9 160.3

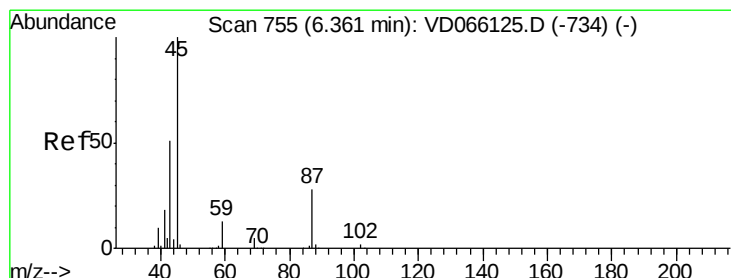
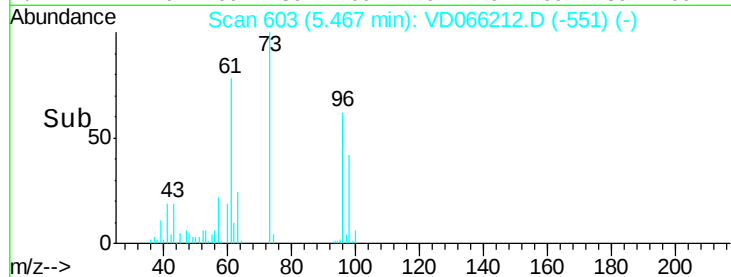
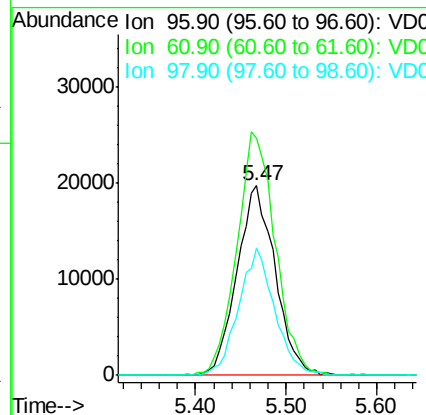
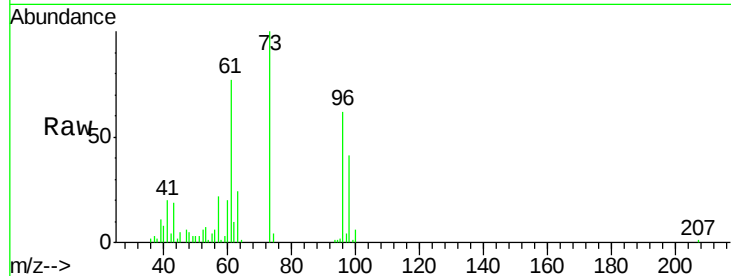
98 67.2 53.4 80.0

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#22

Diisopropyl ether

Concen: 18.492 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Tgt Ion: 45 Resp: 149871

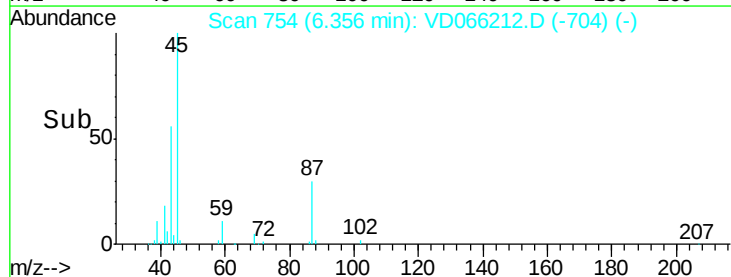
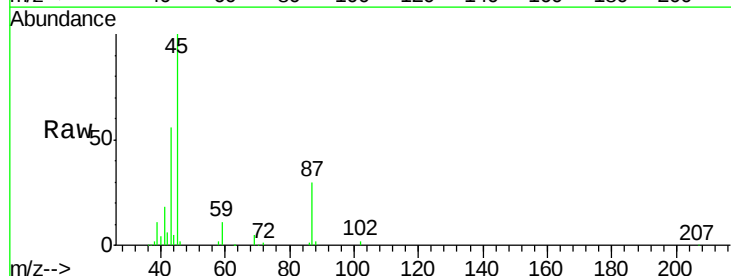
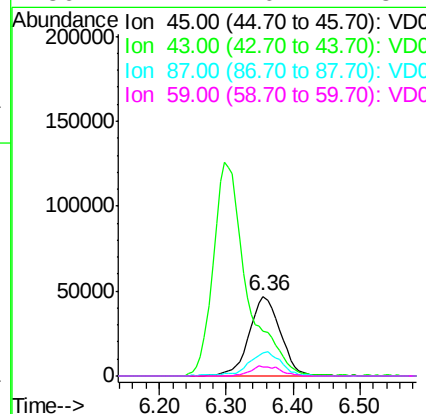
Ion Ratio Lower Upper

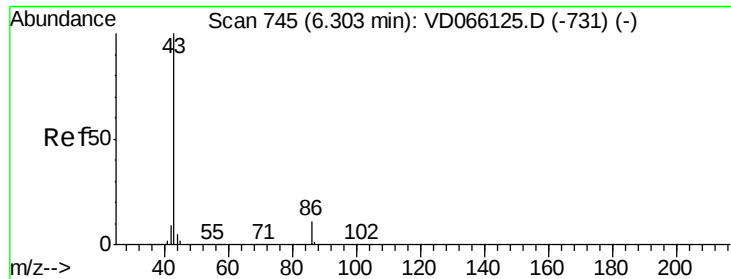
45 100

43 55.1 41.2 61.8

87 29.5 22.8 34.2

59 11.2 10.2 15.2





#23

Vinyl Acetate

Concen: 92.595 ug/l

RT: 6.30 min Scan# 744

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 43 Resp: 439644

Ion Ratio Lower Upper

43 100

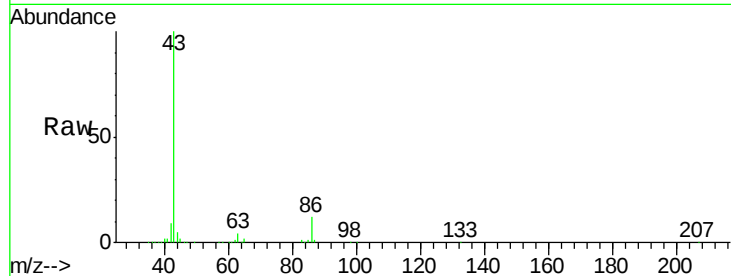
86 12.0 9.1 13.7

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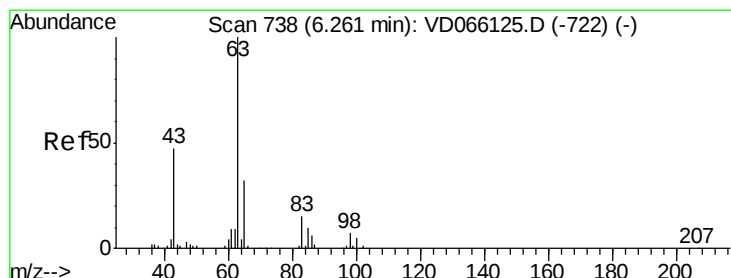
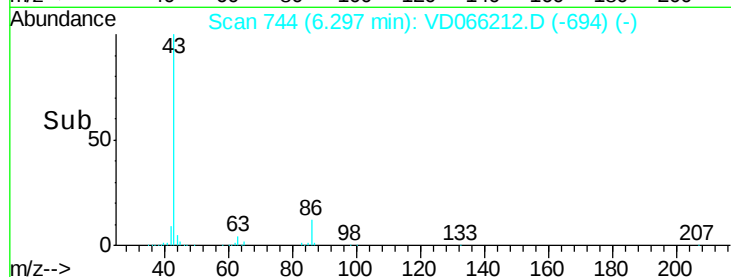
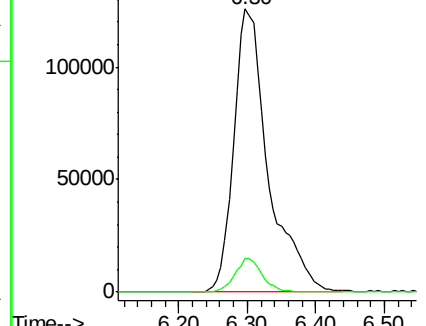
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 18.925 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

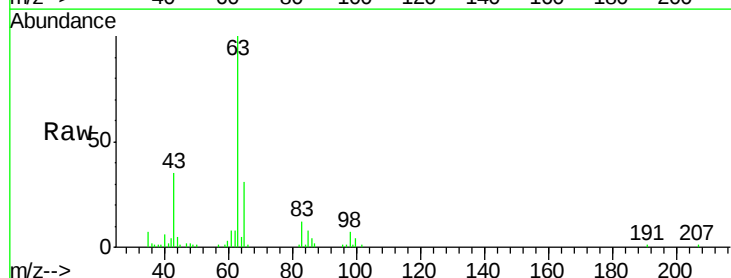
Tgt Ion: 63 Resp: 94919

Ion Ratio Lower Upper

63 100

98 6.7 3.5 10.5

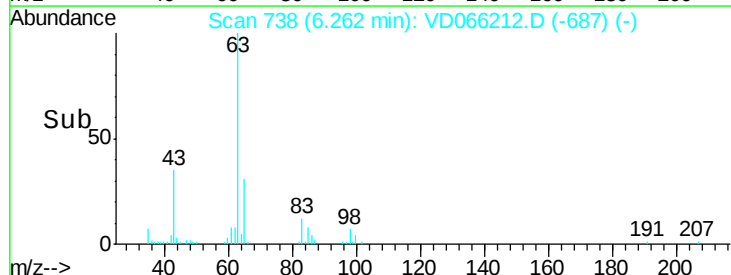
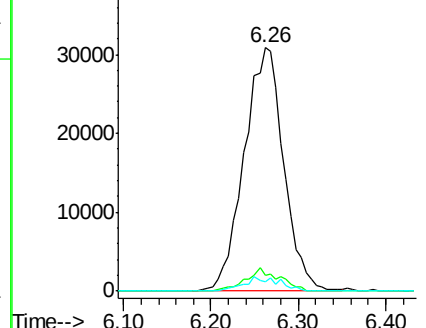
100 3.6 2.4 7.2

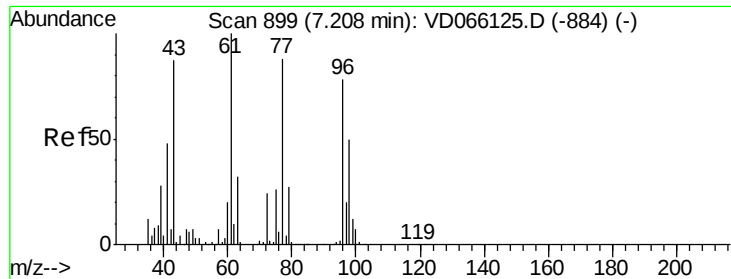


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 87.916 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 43 Resp: 66864

Ion Ratio Lower Upper

43 100

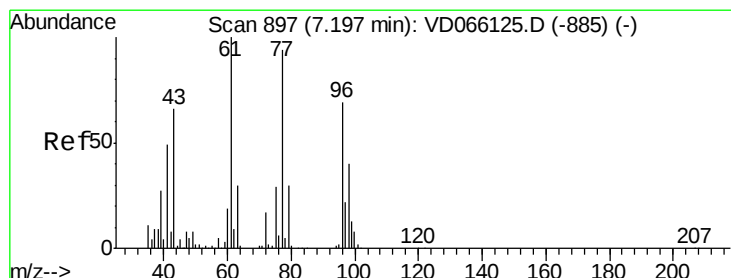
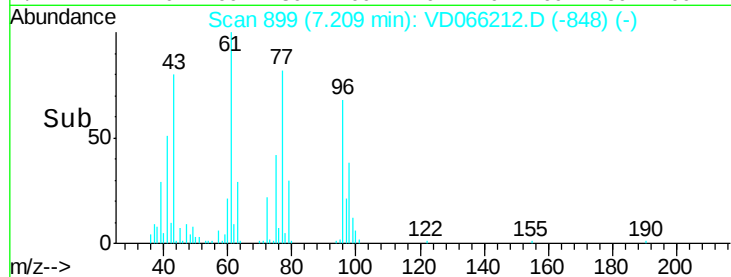
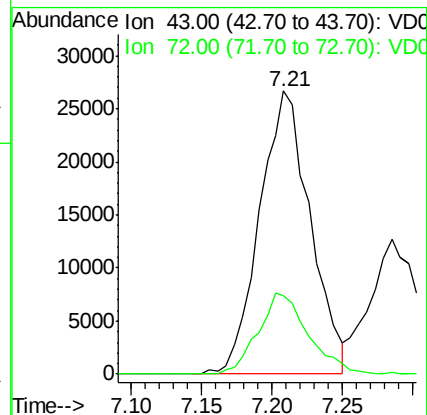
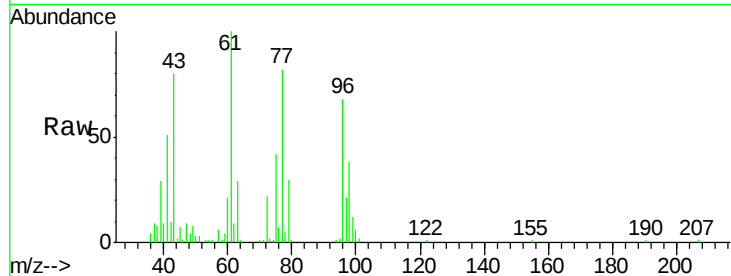
72 27.5 22.2 33.2

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#26

2,2-Dichloropropane

Concen: 19.403 ug/l

RT: 7.20 min Scan# 898

Delta R.T. 0.01 min

Lab File: VD066212.D

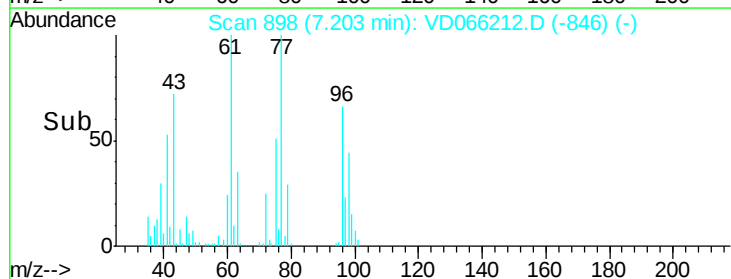
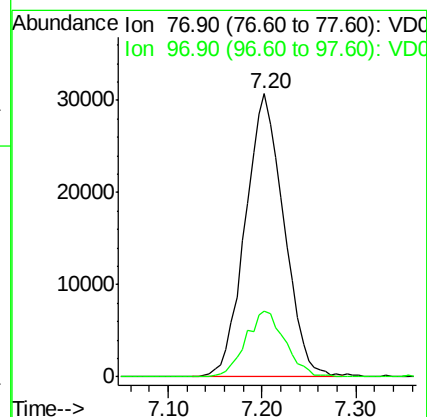
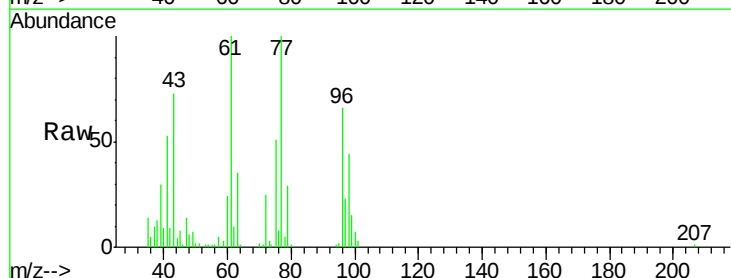
Acq: 13 Aug 2020 16:06

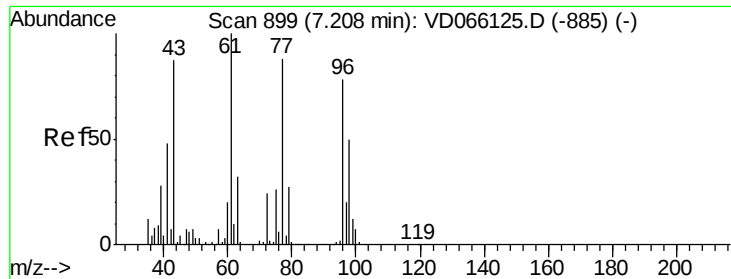
Tgt Ion: 77 Resp: 87225

Ion Ratio Lower Upper

77 100

97 23.6 11.8 35.3





#27

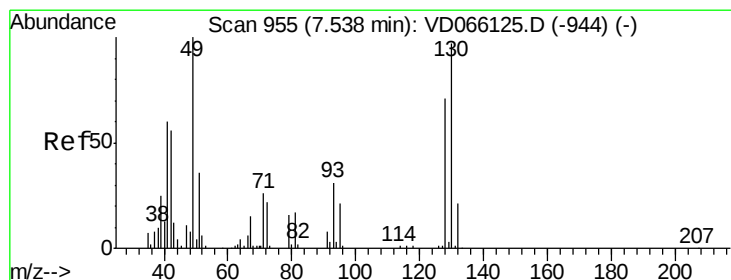
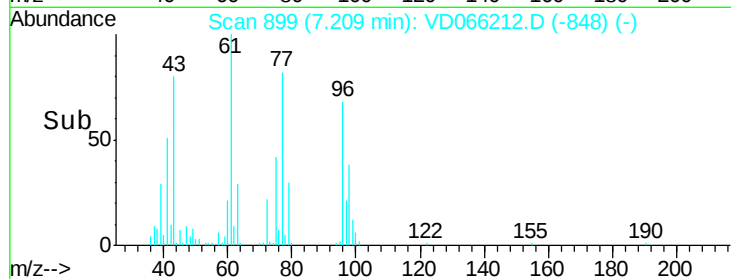
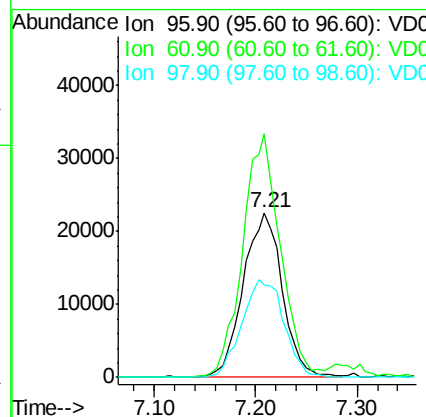
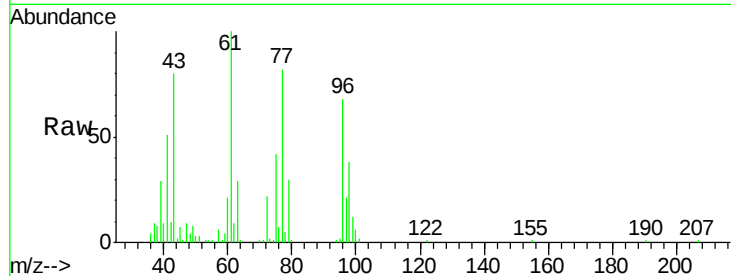
cis-1,2-Dichloroethene
 Concen: 18.472 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813BSD01

Tot Ion	Ratio	Lower	Upper
96	100		
61	143.3	0.0	281.6
98	64.1	0.0	130.8

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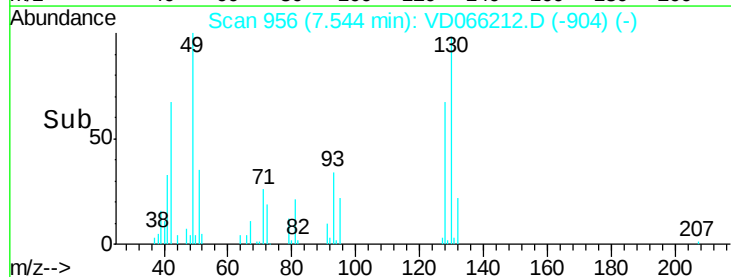
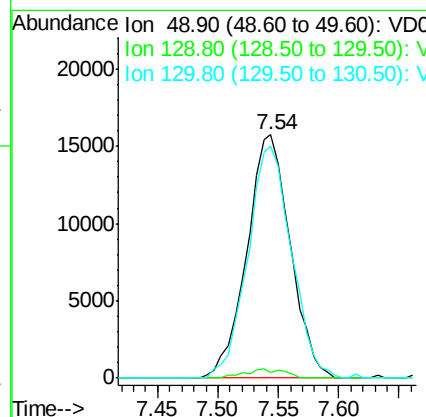
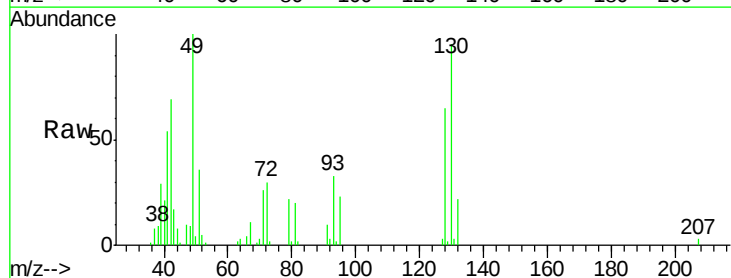
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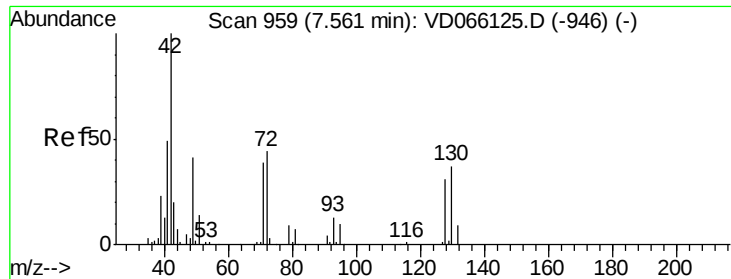


#28

Bromochloromethane
 Concen: 22.260 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.3	0.0	6.0
130	96.3	73.8	110.6





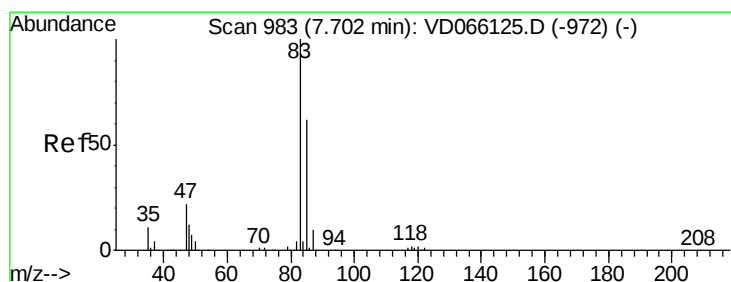
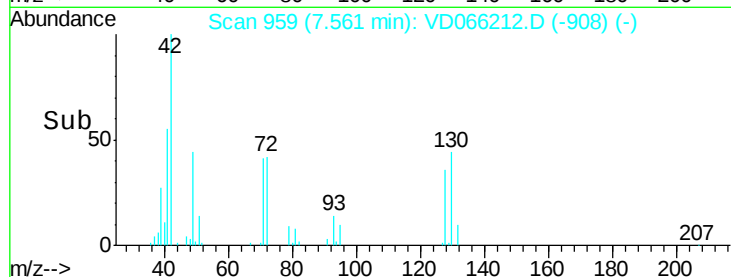
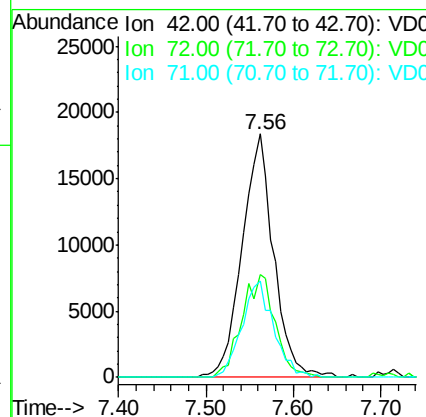
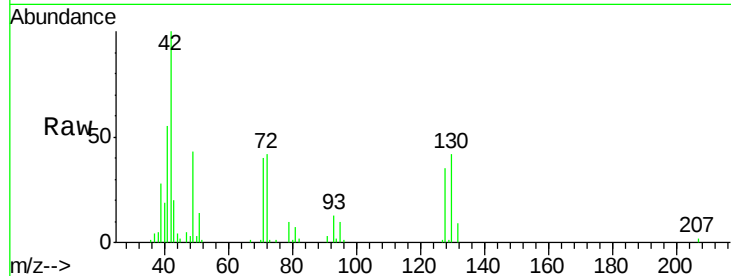
#29
Tetrahydrofuran
Concen: 94.771 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	45.0	34.8	52.2
71	39.9	33.5	50.3

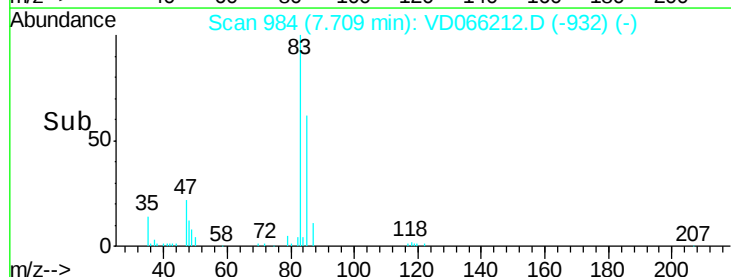
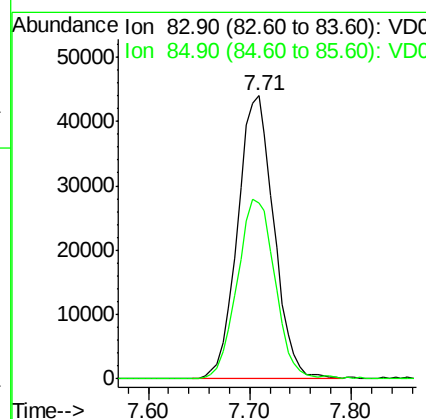
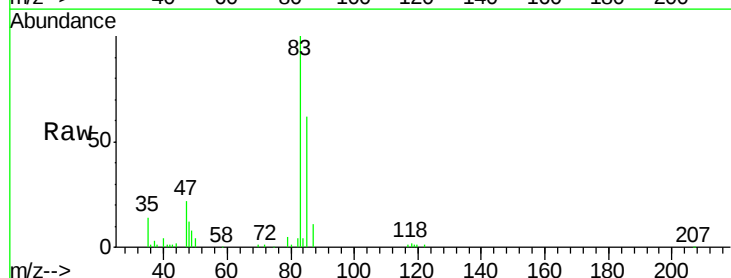
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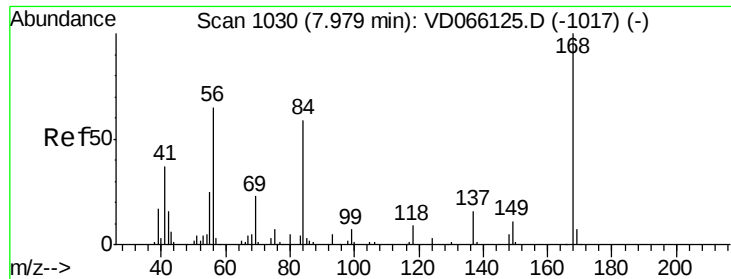
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#30
Chloroform
Concen: 20.741 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.9	49.5	74.3





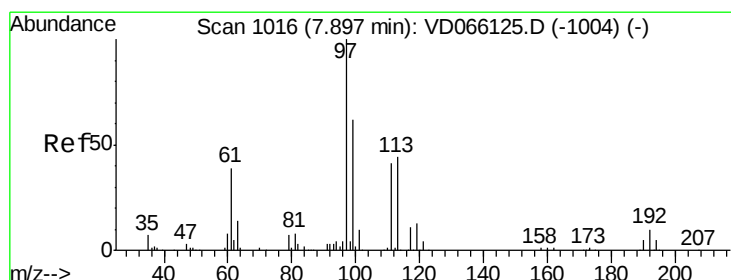
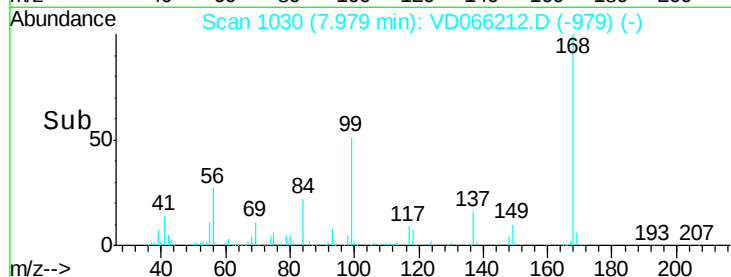
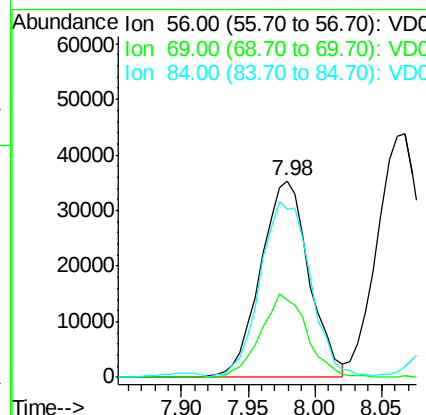
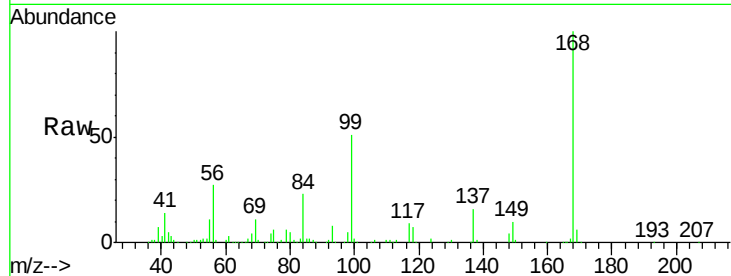
#31
Cyclohexane
Concen: 18.660 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	56	Ratio	Lower	Upper
56	100			
69	39.0	28.8	43.2	
84	83.3	73.0	109.6	

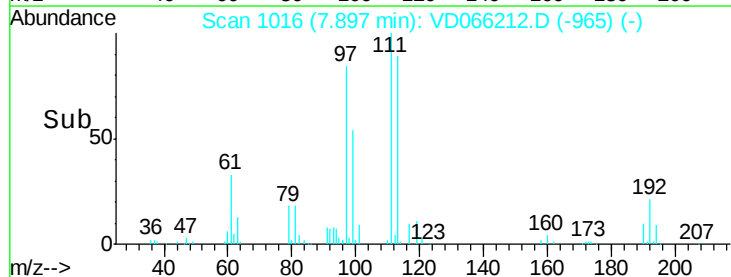
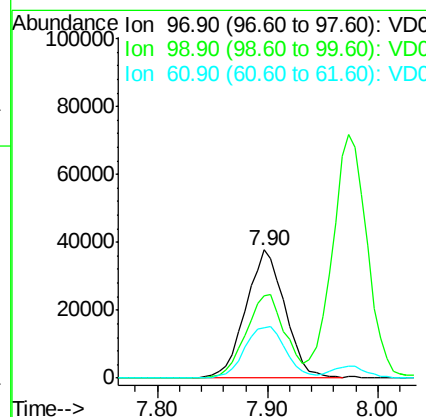
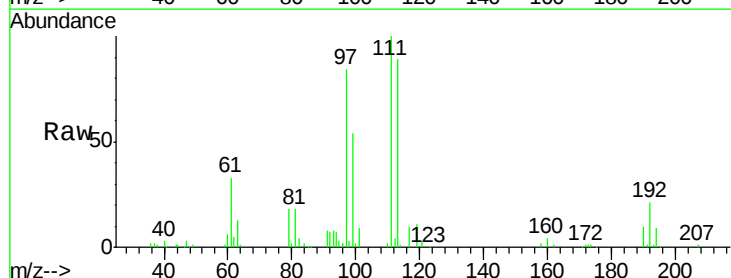
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#32
1,1,1-Trichloroethane
Concen: 19.017 ug/l
RT: 7.90 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	97	Ratio	Lower	Upper
97	100			
99	65.3	51.1	76.7	
61	42.6	32.7	49.1	





#33

1,2-Dichloroethane-d4

Concen: 54.605 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 65 Resp: 148810

Ion Ratio Lower Upper

65 100

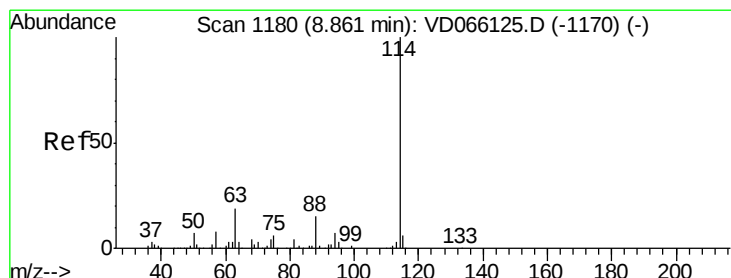
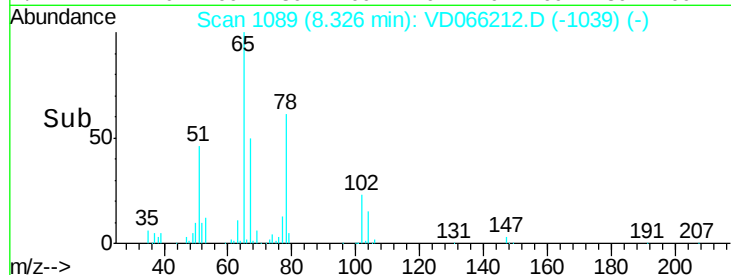
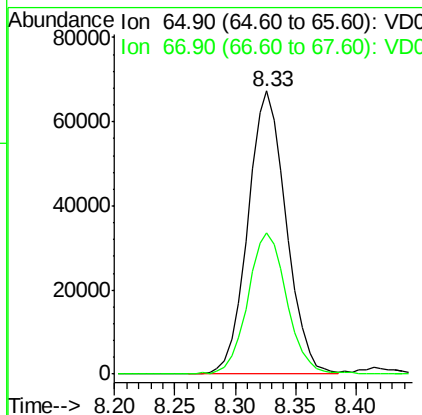
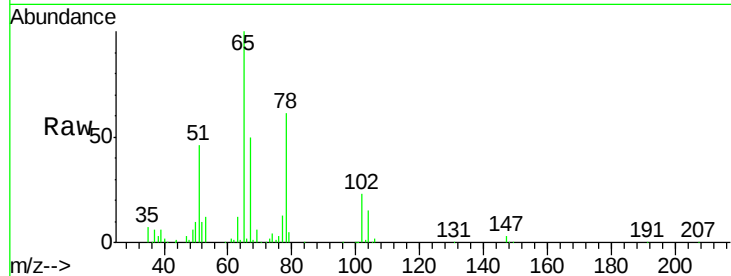
67 50.9 0.0 104.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

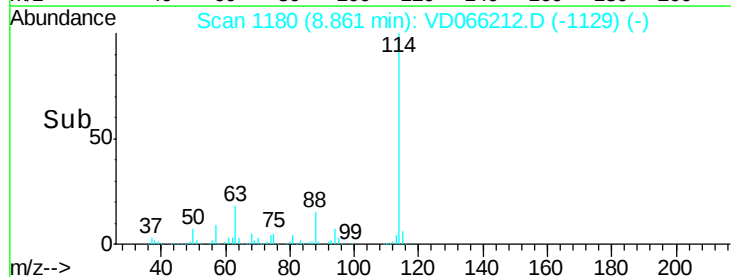
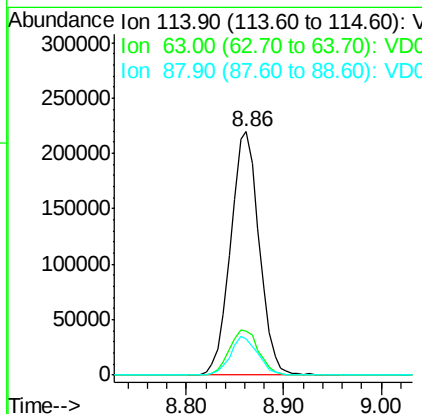
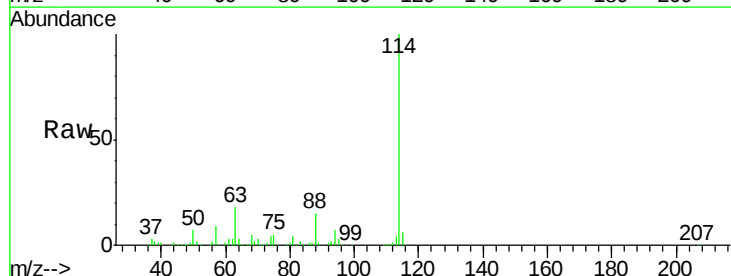
Tgt Ion: 114 Resp: 445637

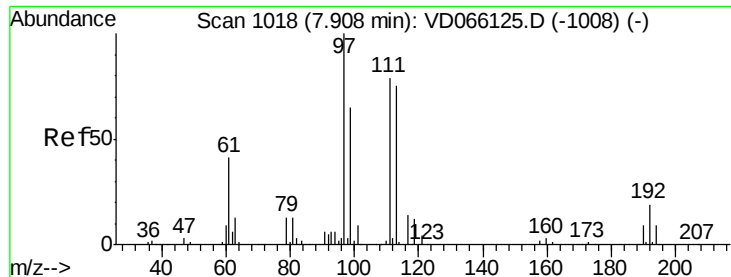
Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.6

88 14.8 0.0 30.0





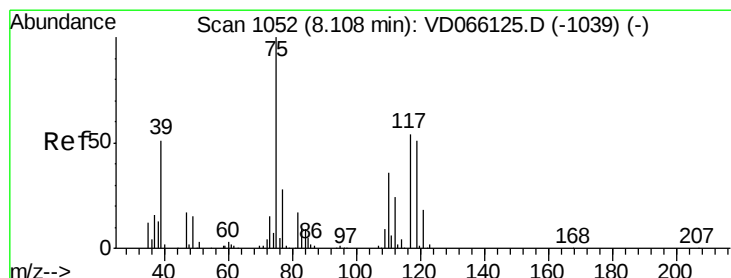
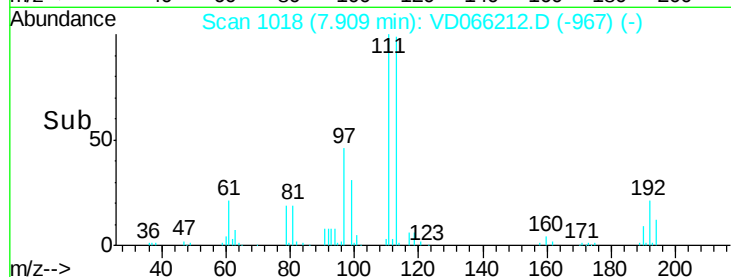
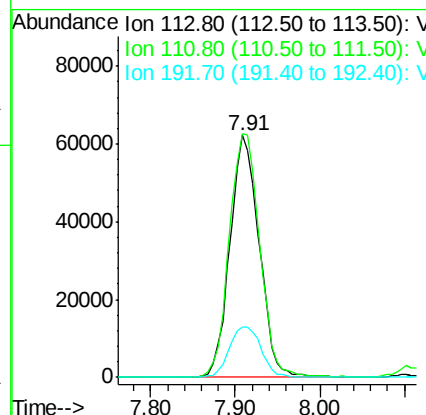
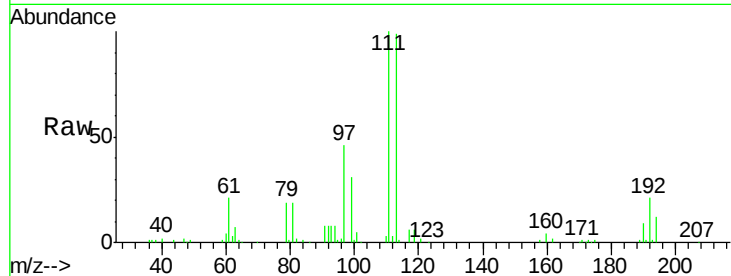
#35
Dibromofluoromethane
Concen: 52.471 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	148128		
111	105.0	80.7	121.1	
192	22.6	18.4	27.6	

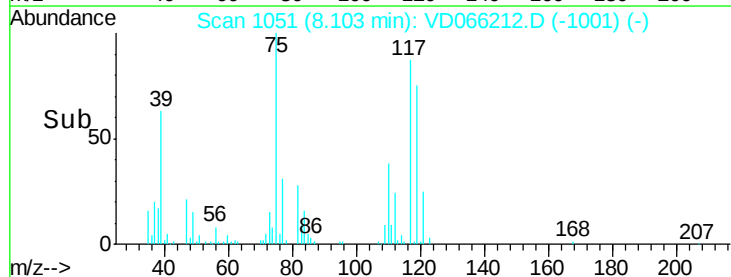
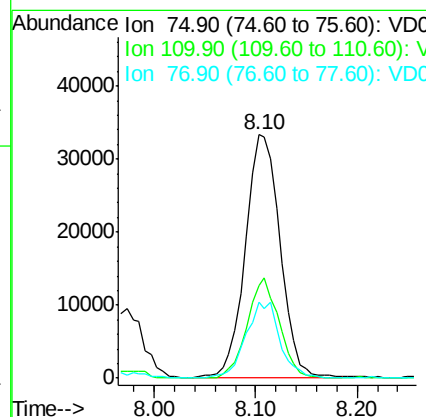
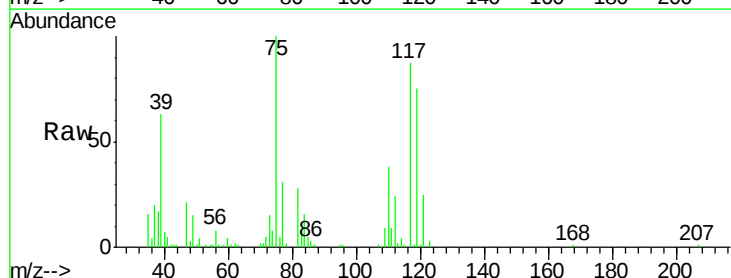
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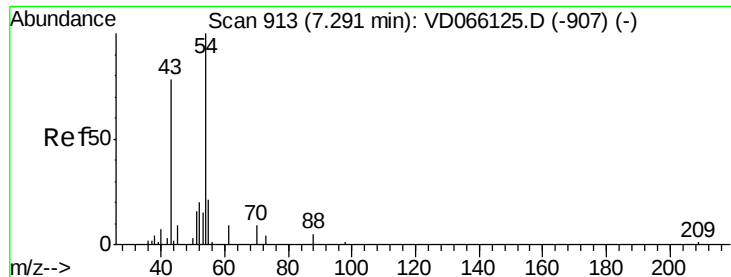
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#36
1,1-Dichloropropene
Concen: 19.119 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	80062		
110	37.5	18.8	56.3	
77	30.3	24.2	36.2	





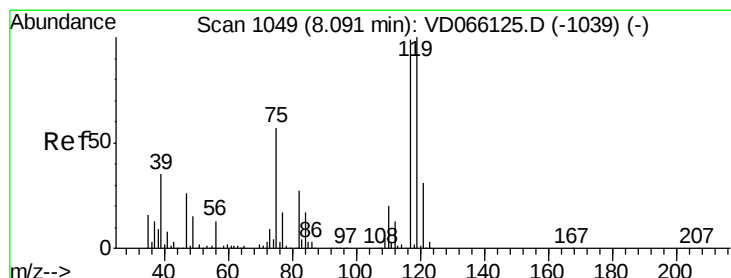
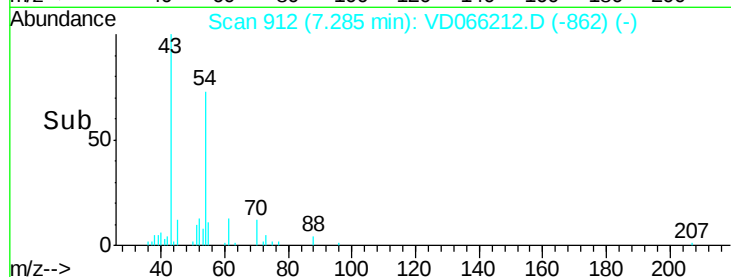
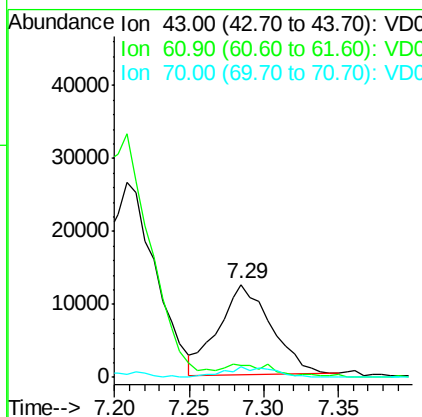
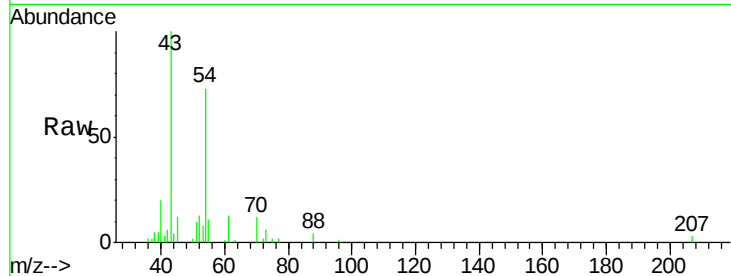
#37
Ethyl Acetate
Concen: 18.188 ug/l
RT: 7.29 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.0	18.0
70	11.2	9.7	14.5

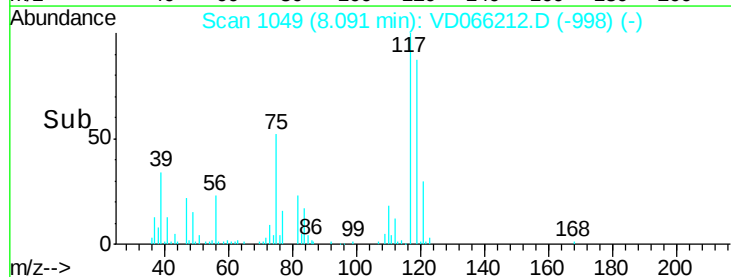
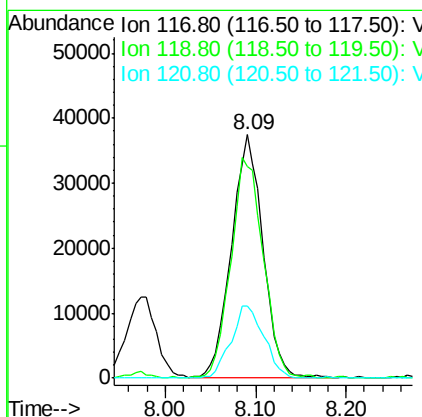
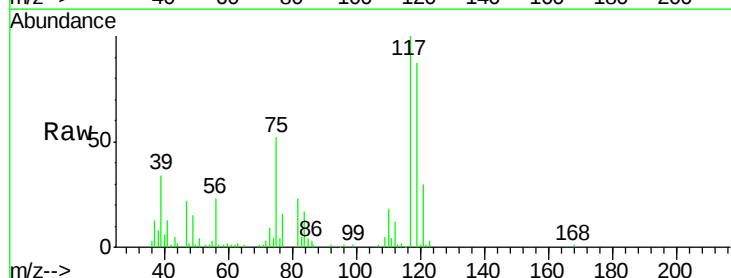
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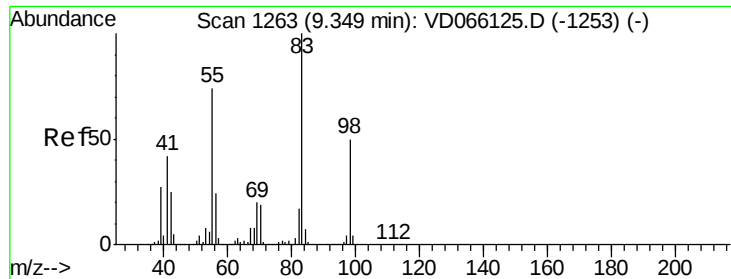
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#38
Carbon Tetrachloride
Concen: 19.432 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	87.0	81.0	121.4
121	29.6	24.8	37.2





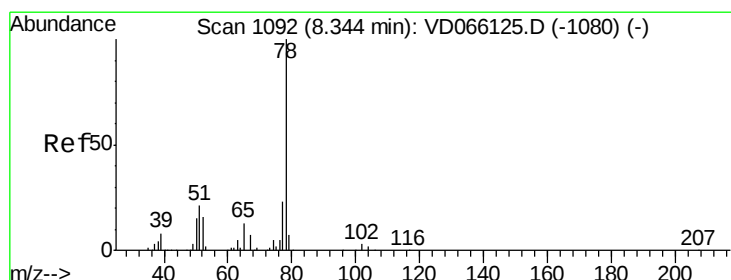
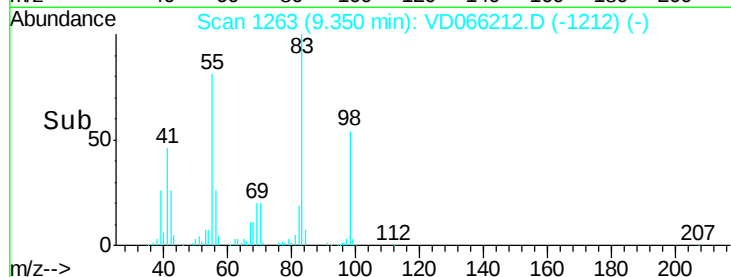
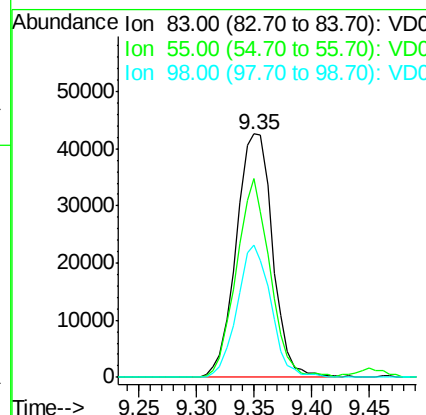
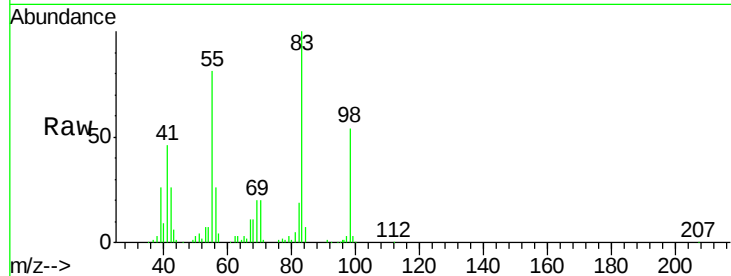
#39
Methvlcvclohexane
Concen: 18.403 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion	83	Resp	93160
Ion Ratio	100	Lower	Upper
83	100		
55	81.4	59.2	88.8
98	54.4	39.8	59.6

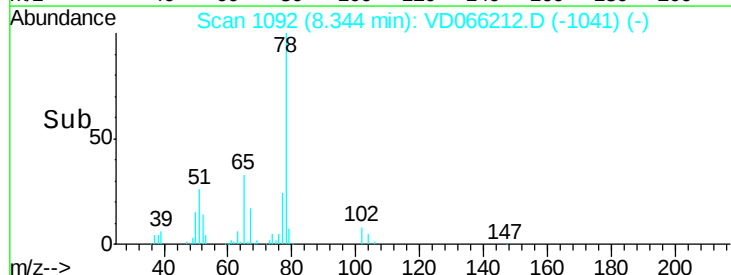
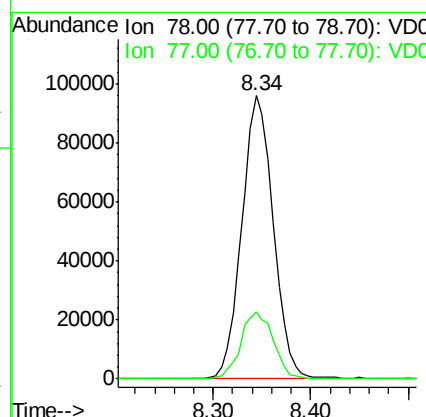
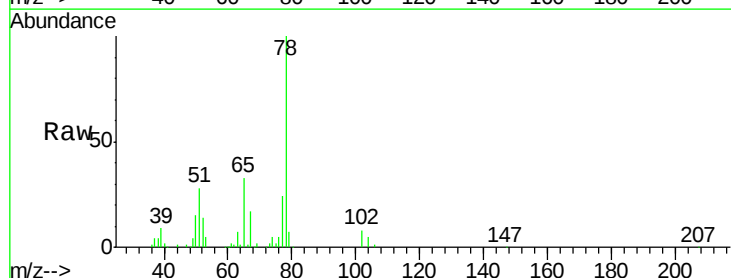
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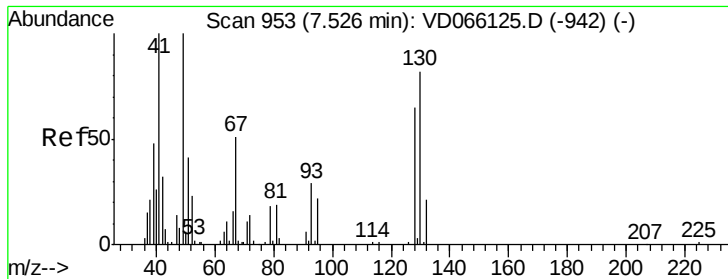
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#40
Benzene
Concen: 18.511 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	78	Resp	215042
Ion Ratio	100	Lower	Upper
78	100		
77	23.9	18.6	27.8





#41

Methacrylonitrile

Concen: 12.059 ug/l m

RT: 7.51 min Scan# 950

Delta R.T. -0.02 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 41 Resp: 11764

Ion Ratio Lower Upper

41 100

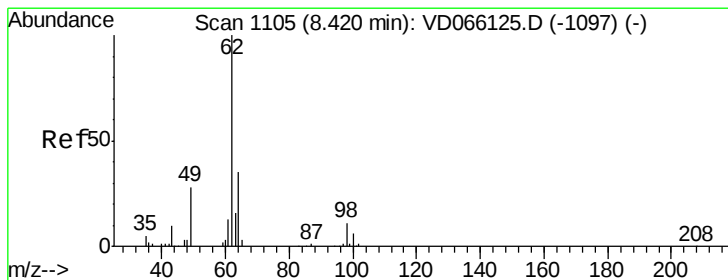
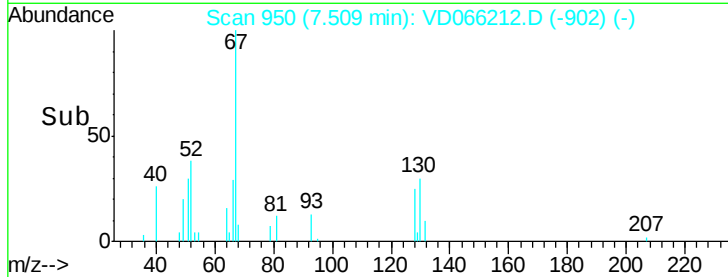
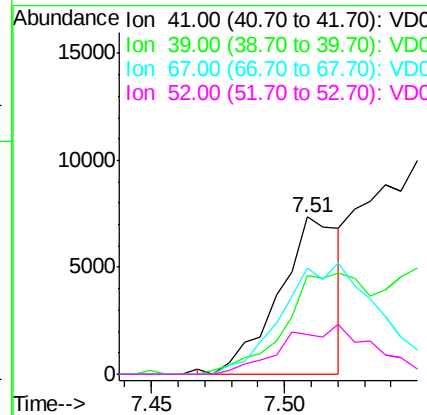
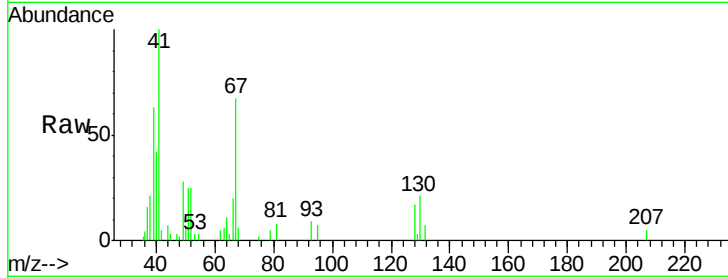
39 103.9 47.5 71.3#

67 0.0 59.1 88.7#

52 0.0 25.4 38.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 19.023 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. 0.00 min

Lab File: VD066212.D

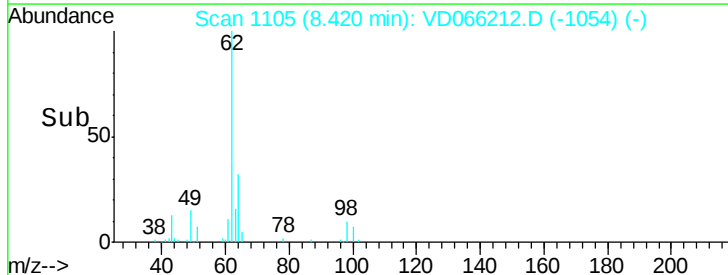
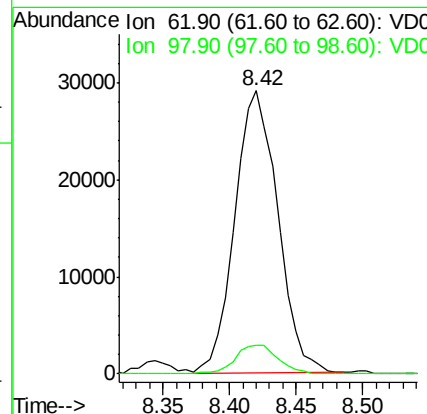
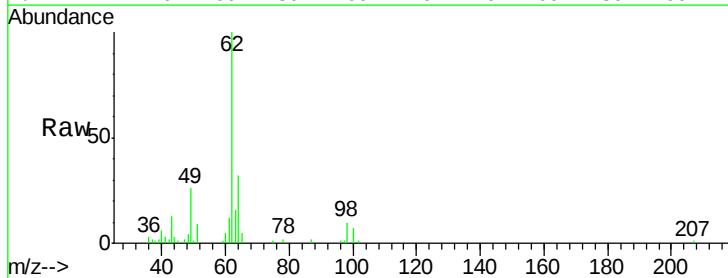
Acq: 13 Aug 2020 16:06

Tgt Ion: 62 Resp: 64919

Ion Ratio Lower Upper

62 100

98 10.4 0.0 20.4





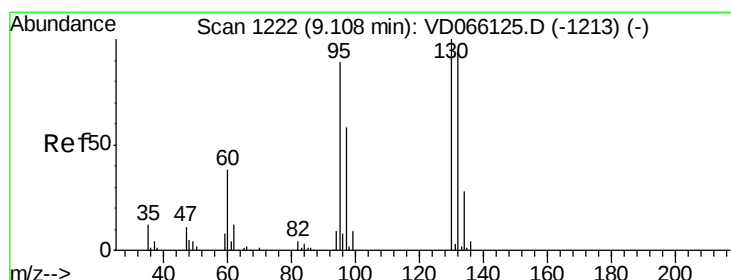
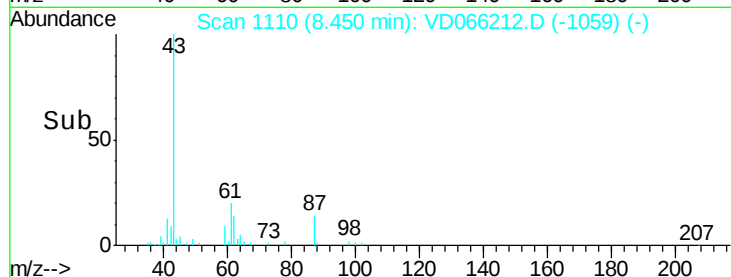
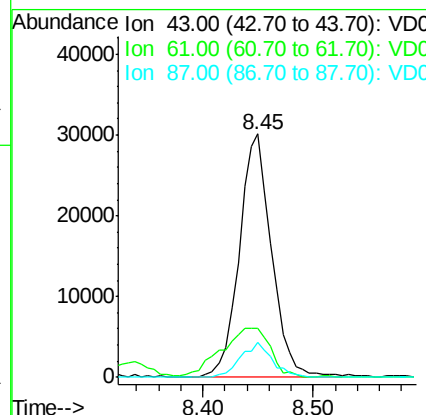
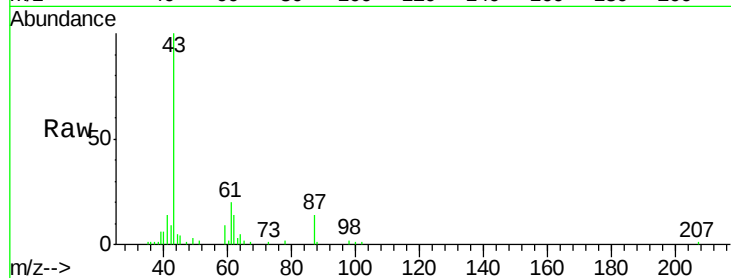
#43
Isopropyl Acetate
Concen: 18.944 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	30.5	25.5	38.3
87	14.0	11.2	16.8

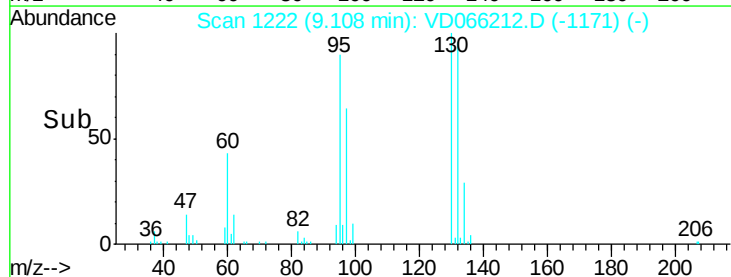
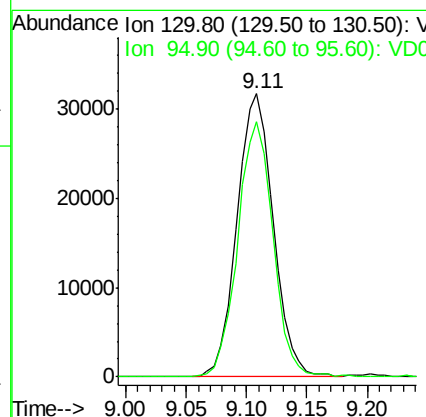
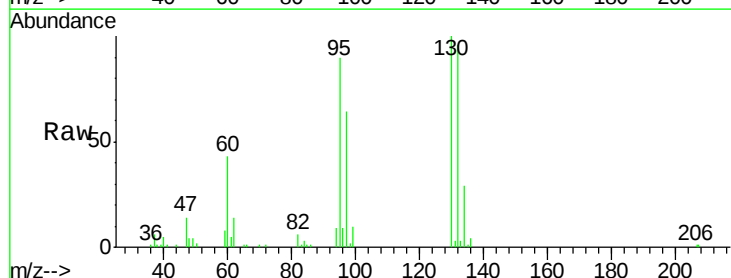
Manual Integrations
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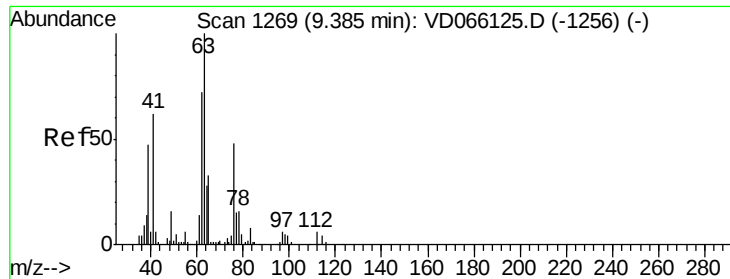
MMDadoda
8/14/2020 5:11:57 PM



#44
Trichloroethene
Concen: 19.081 ug/l
RT: 9.11 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	90.3	0.0	178.4





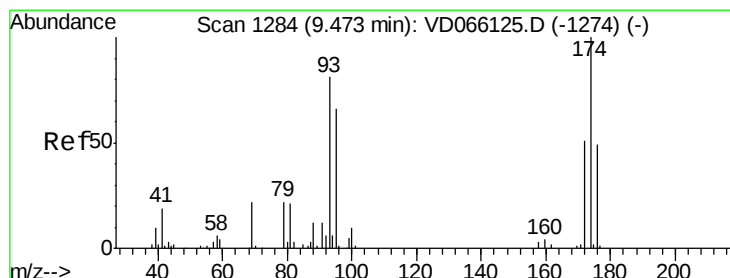
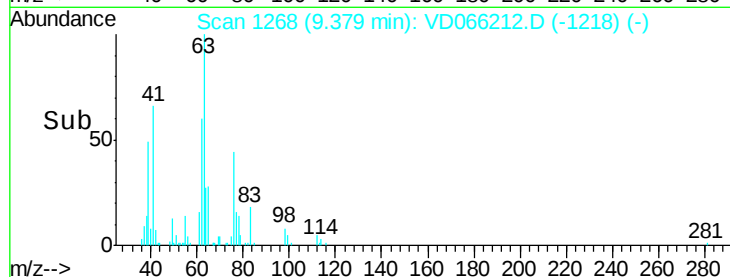
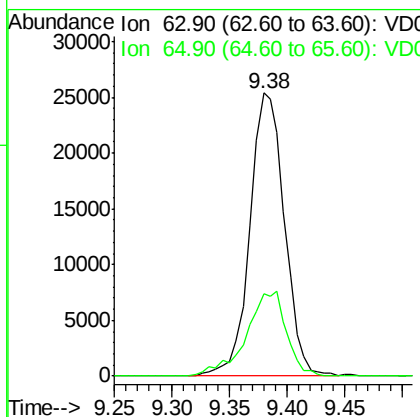
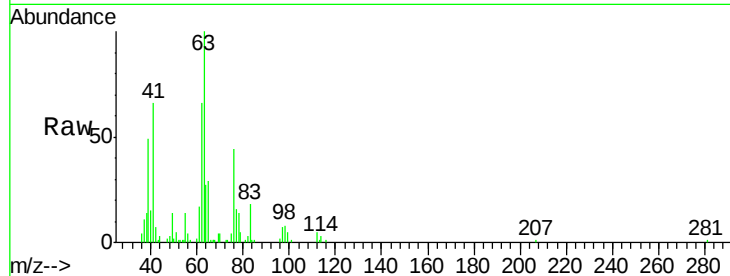
#45
 1,2-Dichloropropane
 Concen: 18.638 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion: 63 Resp: 52953
 Ion Ratio Lower Upper
 63 100
 65 29.0 26.5 39.7

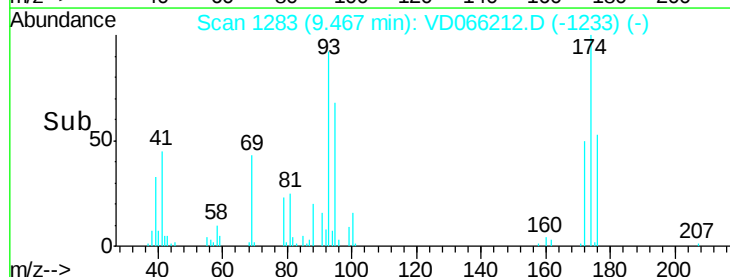
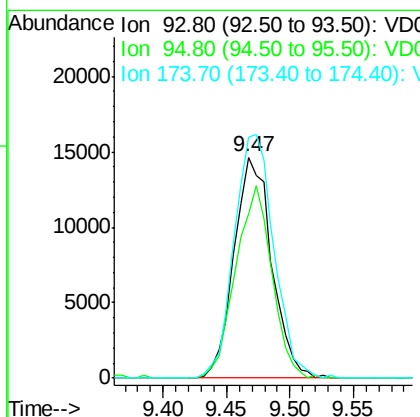
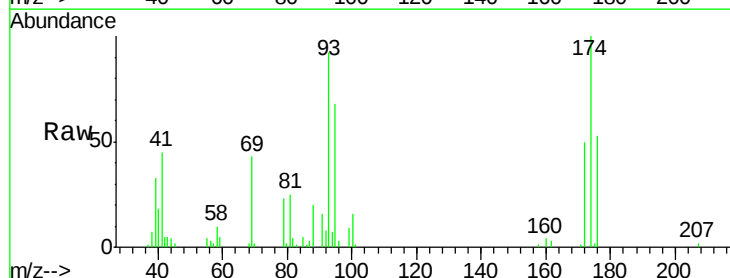
Manual Integrations
 APPROVED

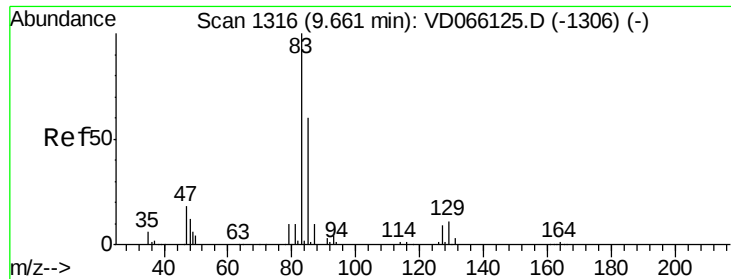
MMDadoda
 8/14/2020 5:11:57 PM



#46
 Dibromomethane
 Concen: 19.311 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. -0.01 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Tgt Ion: 93 Resp: 30222
 Ion Ratio Lower Upper
 93 100
 95 83.6 65.8 98.6
 174 115.8 92.8 139.2





#47

Bromodichloromethane

Concen: 19.290 ug/l

RT: 9.66 min Scan# 1315

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

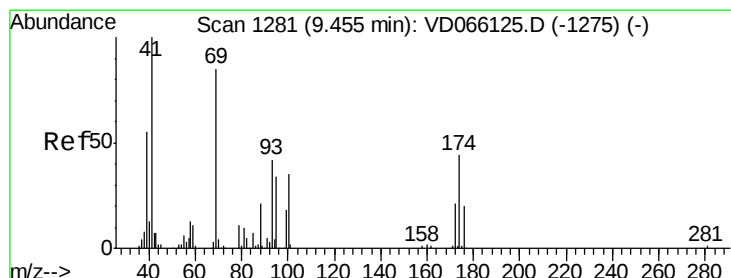
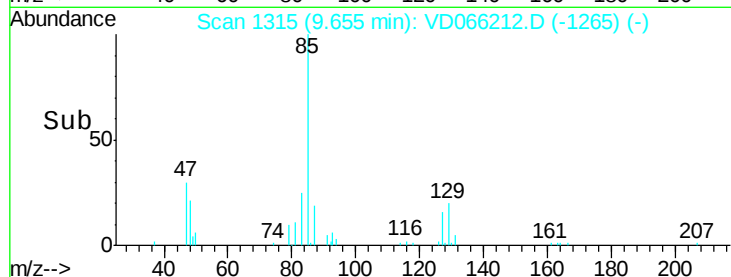
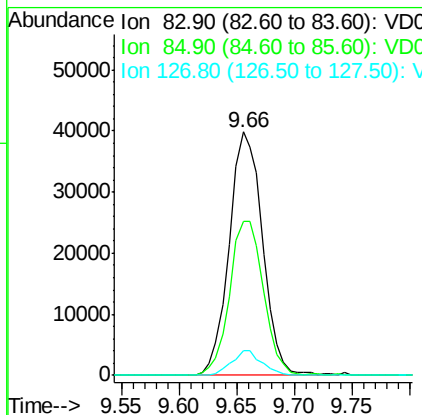
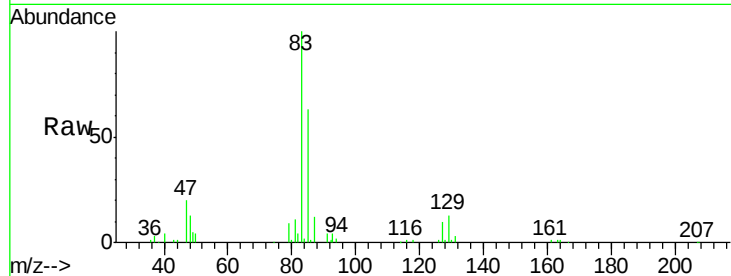
ClientSampleId :

VD0813SBS01

Tot Ion:	83	Resp:	79786
Ion	Ratio	Lower	Upper
83	100		
85	63.5	48.2	72.4
127	9.9	7.3	10.9

Manual Integrations
APPROVED

MMDadoda
8/14/2020 5:11:57 PM



#48

Methyl methacrylate

Concen: 17.704 ug/l

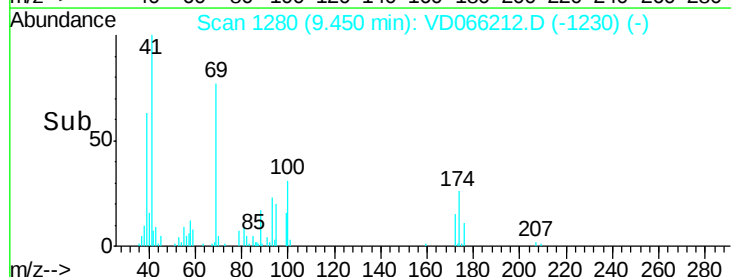
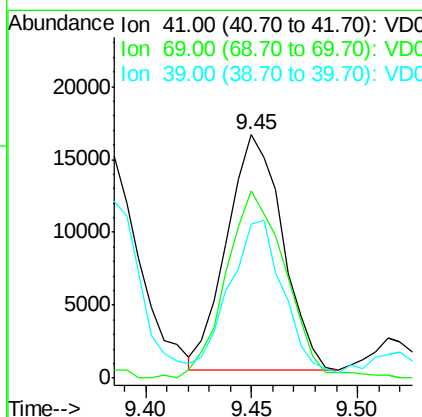
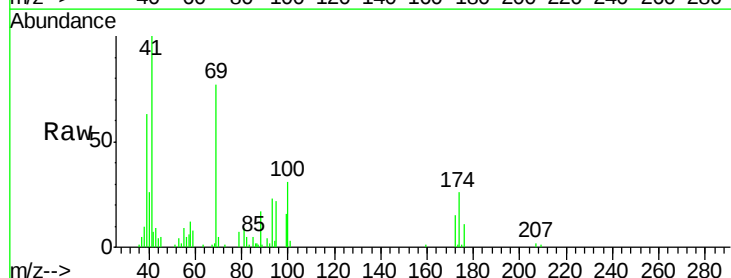
RT: 9.45 min Scan# 1280

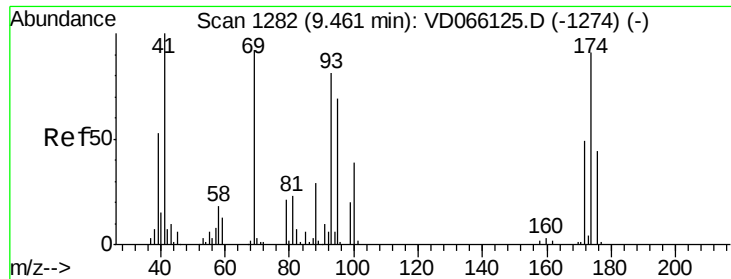
Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Tgt Ion:	41	Resp:	29553
Ion	Ratio	Lower	Upper
41	100		
69	85.5	63.9	95.9
39	61.9	42.6	64.0





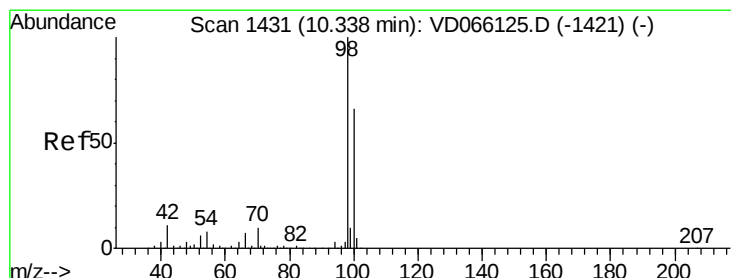
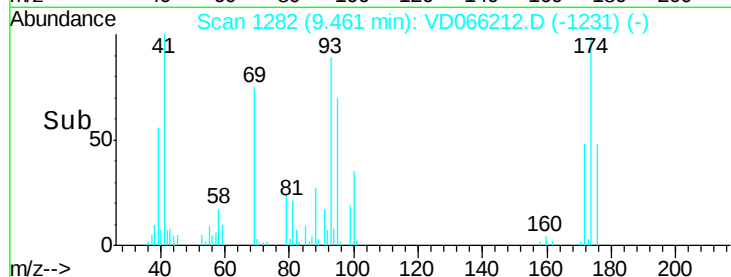
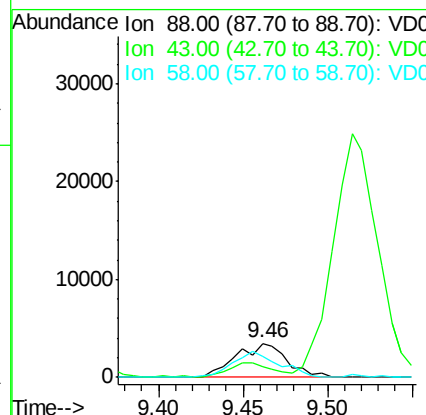
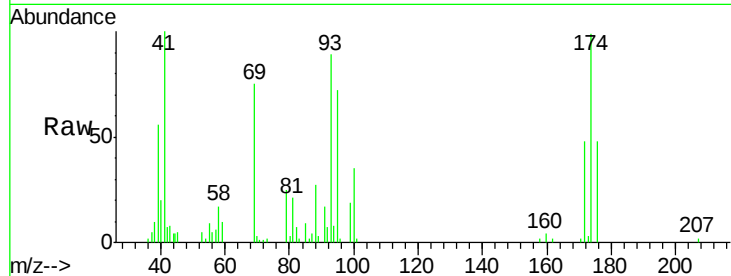
#49
1,4-Dioxane
Concen: 361.630 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.7	27.5	41.3
58	69.7	50.2	75.4

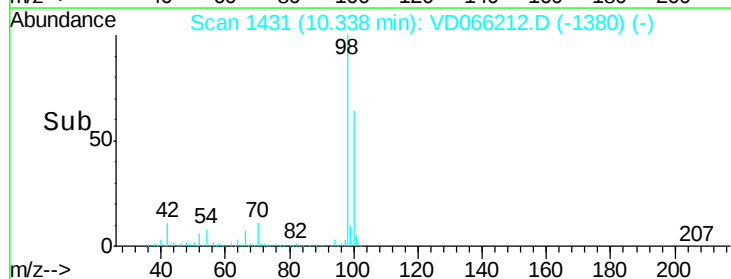
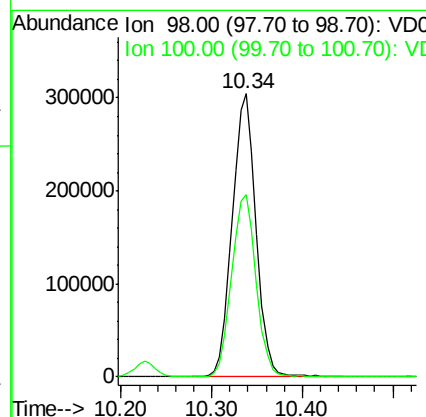
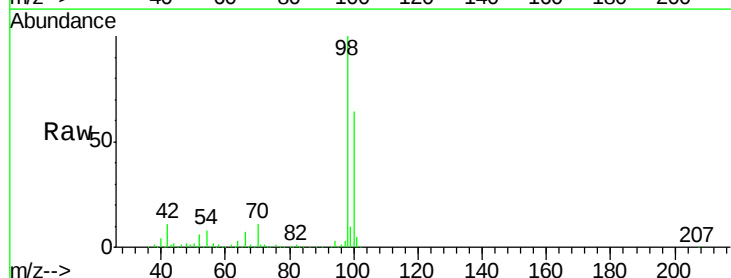
Manual Integrations
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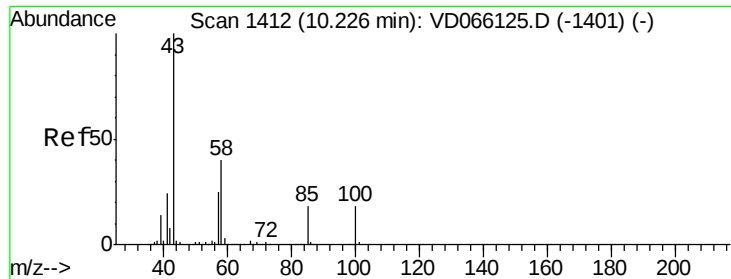
MMDadoda
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#50
Toluene-d8
Concen: 53.364 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	52.6	78.8





#51

4-Methyl-2-Pentanone

Concen: 93.765 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion: 43 Resp: 157451

Ion Ratio Lower Upper

43 100

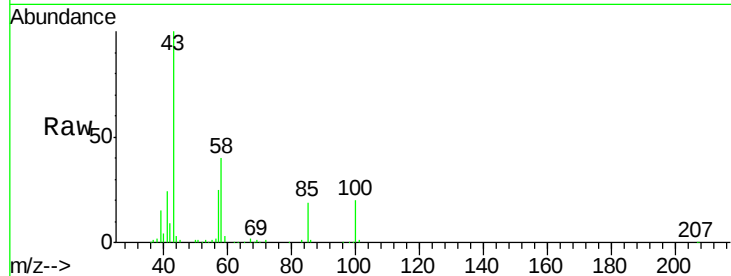
58 39.1 31.1 46.7

Manual Integrations

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MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

80000

60000

40000

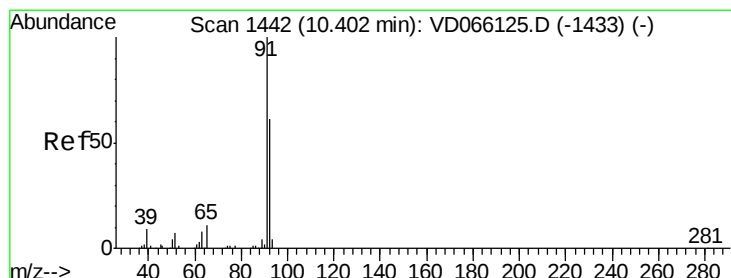
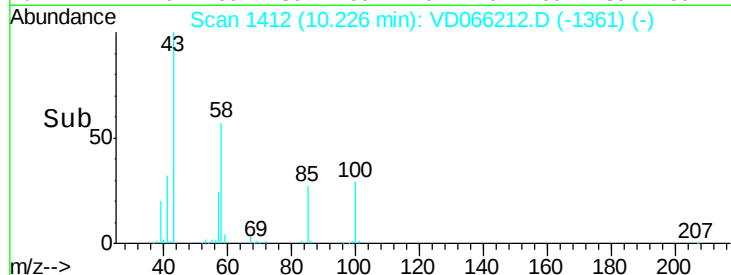
20000

0

10.20

10.30

Time-->



#52

Toluene

Concen: 18.487 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066212.D

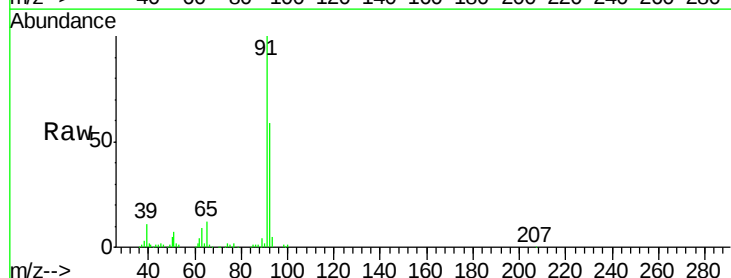
Acq: 13 Aug 2020 16:06

Tgt Ion: 92 Resp: 141316

Ion Ratio Lower Upper

92 100

91 171.7 135.2 202.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

150000

100000

50000

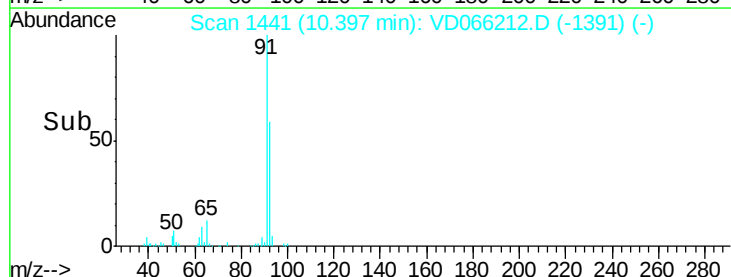
0

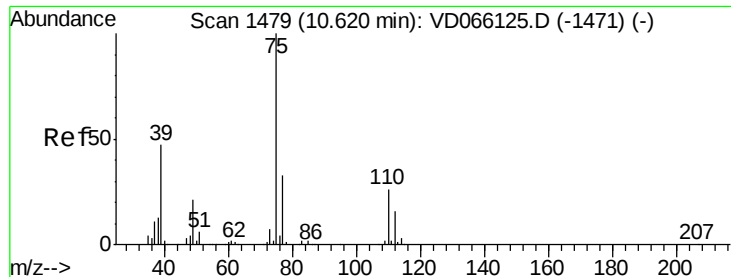
10.30

10.40

10.50

Time-->





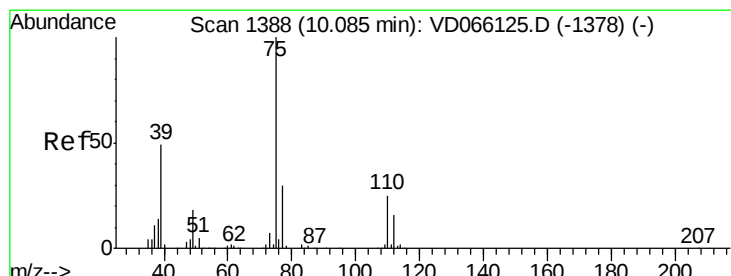
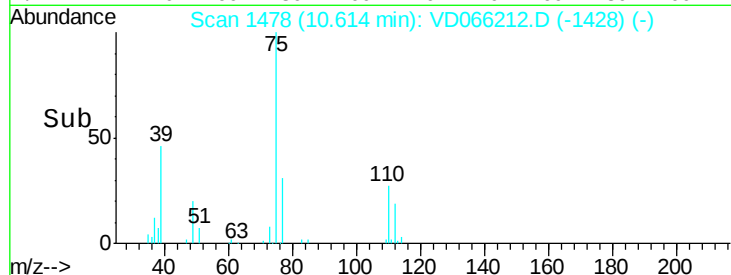
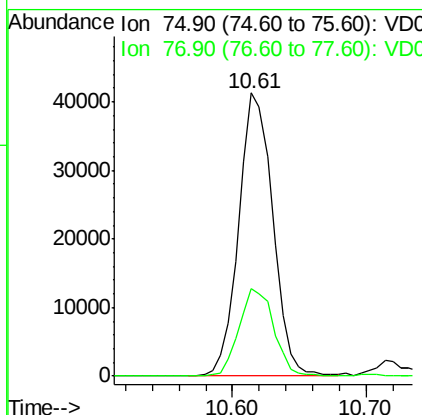
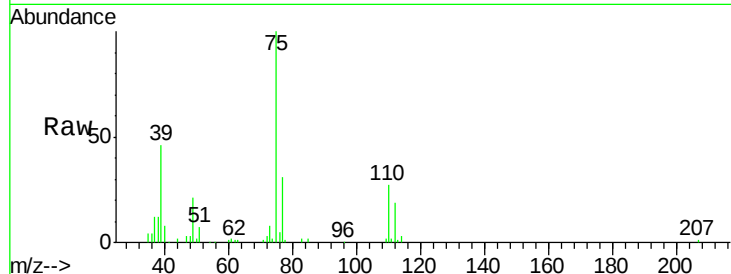
#53
t-1,3-Dichloropropene
Concen: 18.612 ug/l
RT: 10.61 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion: 75 Resp: 73059
Ion Ratio Lower Upper
75 100
77 30.7 26.2 39.2

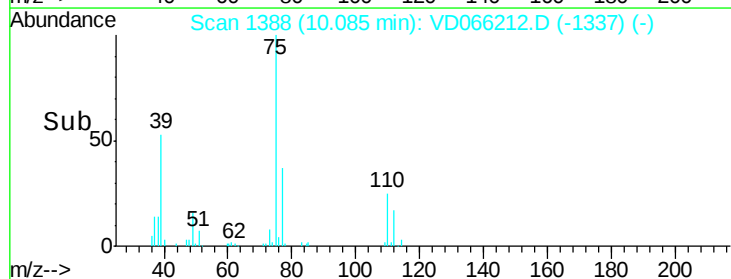
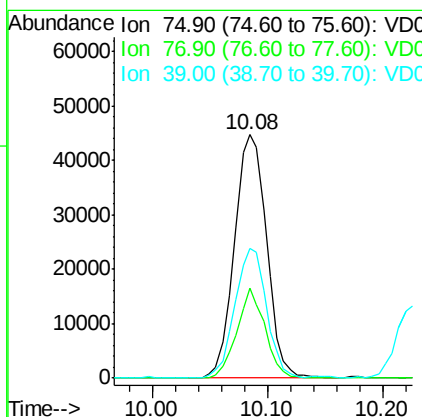
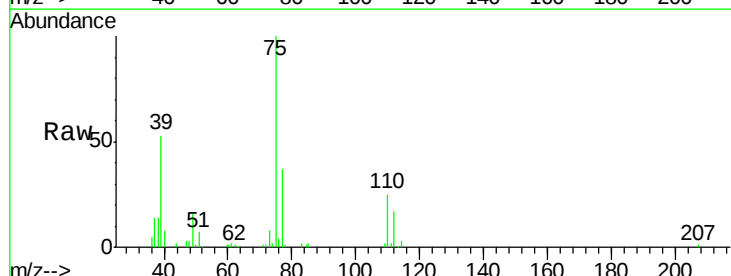
Manual Integrations
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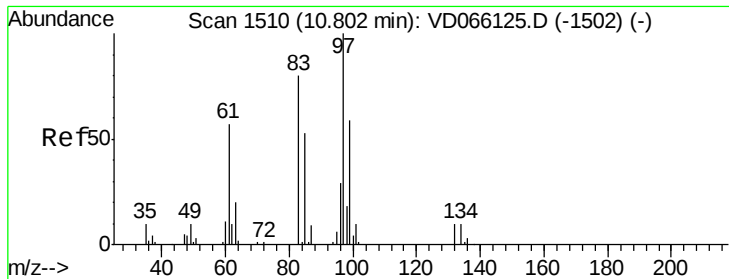
MMDadoda
8/14/2020 5:11:57 PM



#54
cis-1,3-Dichloropropene
Concen: 18.766 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion: 75 Resp: 86306
Ion Ratio Lower Upper
75 100
77 37.1 24.3 36.5#
39 53.1 39.3 58.9





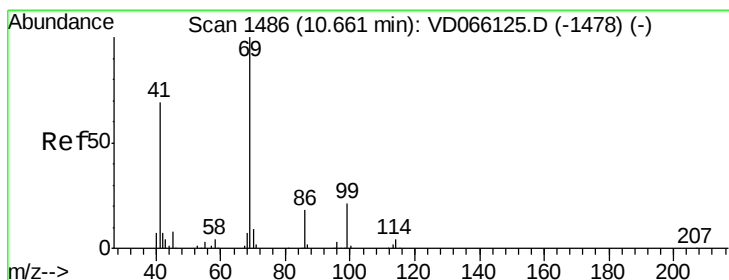
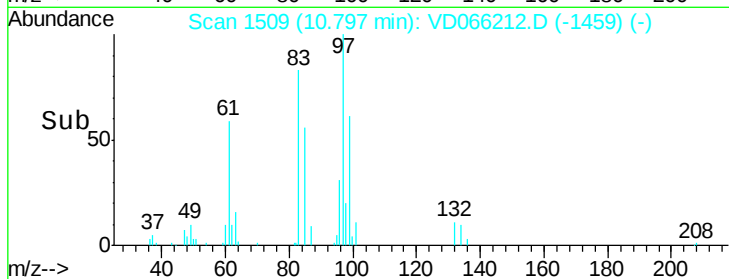
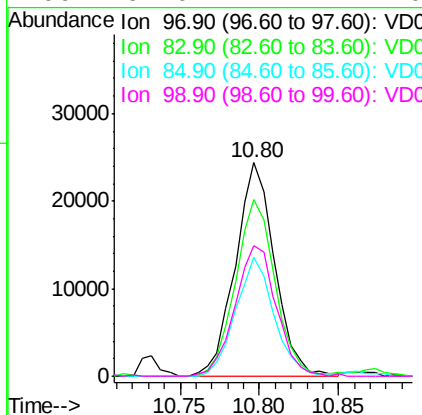
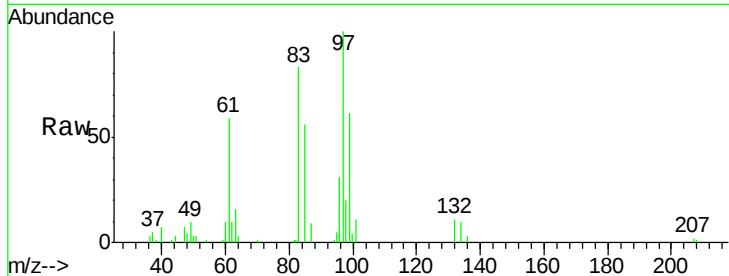
#55
 1,1,2-Trichloroethane
 Concen: 18.641 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBS01

Tot Ion:	97	Resp:	42007
Ion	Ratio	Lower	Upper
97	100		
83	82.7	63.9	95.9
85	56.0	42.5	63.7
99	61.0	47.4	71.0

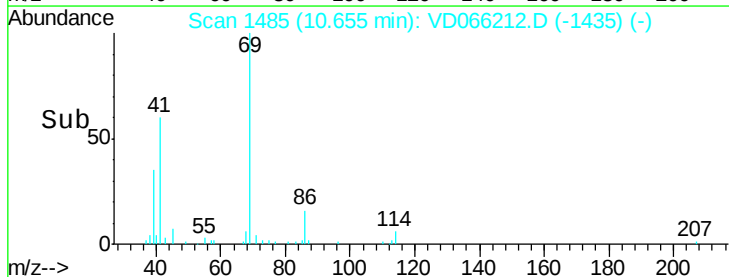
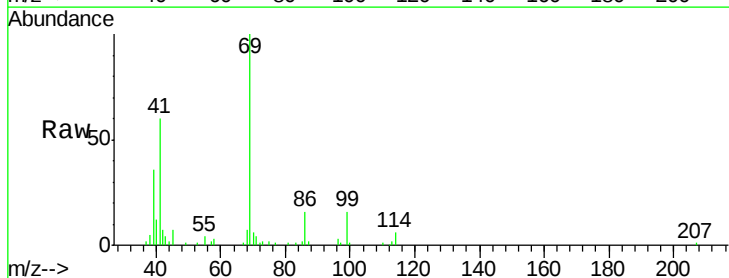
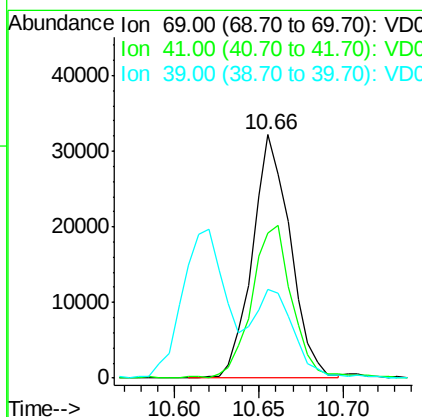
Manual Integrations
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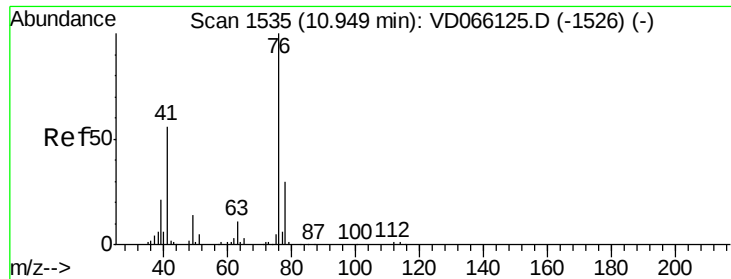
MMDadoda
 8/14/2020 5:11:57 PM



#56
 Ethyl methacrylate
 Concen: 18.603 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Tgt Ion:	69	Resp:	50361
Ion	Ratio	Lower	Upper
69	100		
41	67.2	54.1	81.1
39	37.8	28.6	43.0





#57

1,3-Dichloropropane

Concen: 18.457 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813BSD01

Tot Ion: 76 Resp: 69052

Ion Ratio Lower Upper

76 100

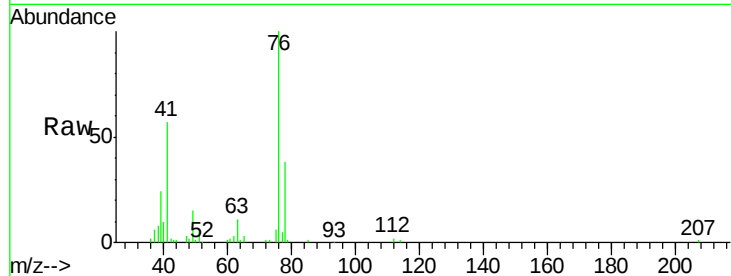
78 34.4 25.5 38.3

Manual Integrations

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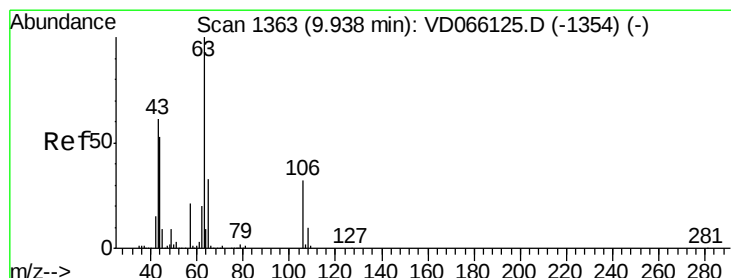
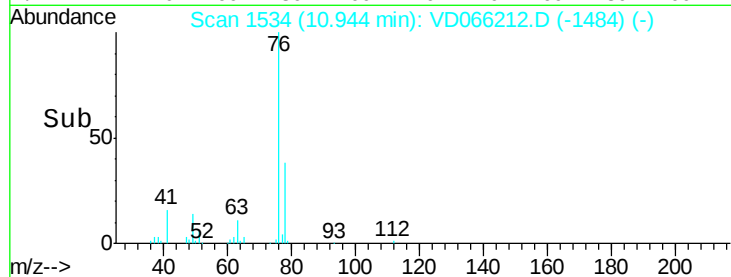
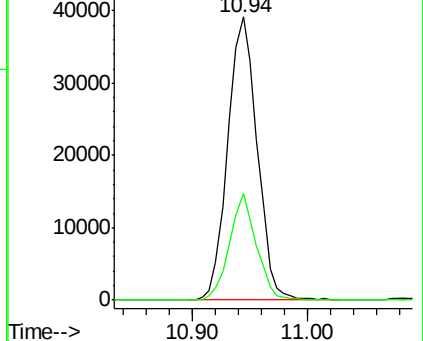
MMDadoda

8/14/2020 5:11:57 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 107.974 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VD066212.D

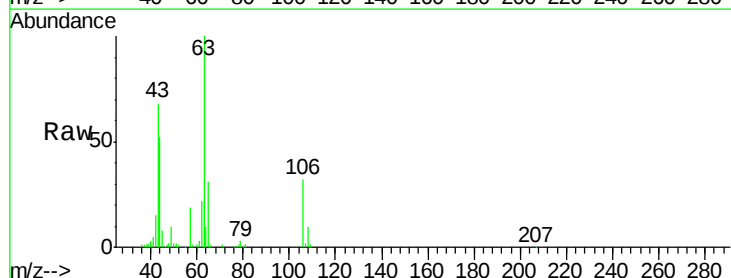
Acq: 13 Aug 2020 16:06

Tgt Ion: 63 Resp: 131480

Ion Ratio Lower Upper

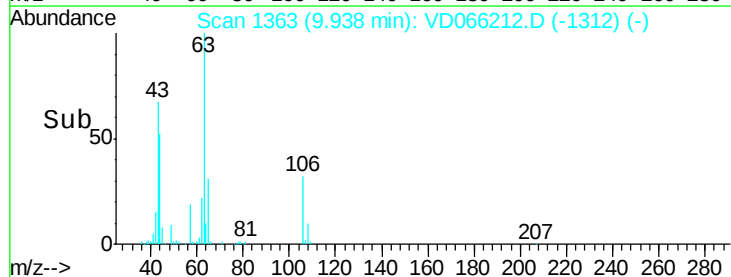
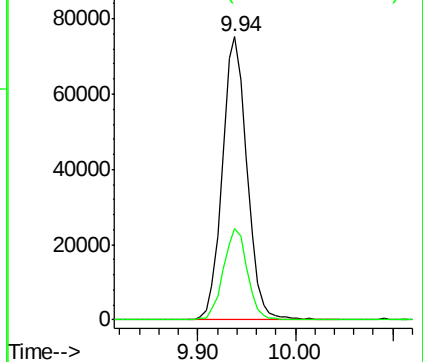
63 100

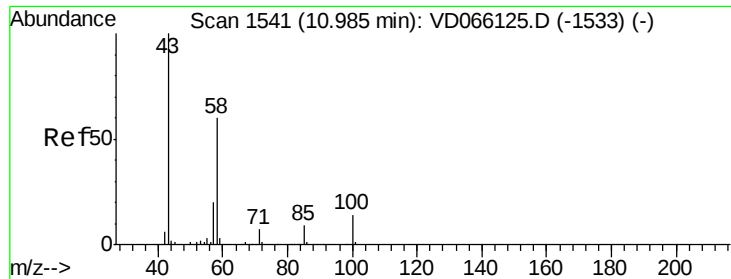
106 31.4 25.3 37.9



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





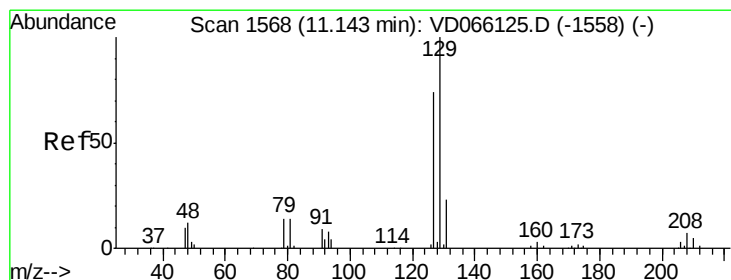
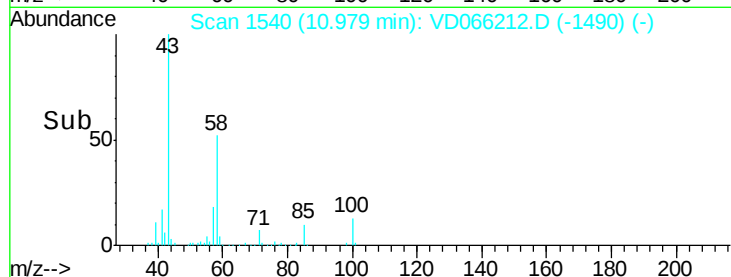
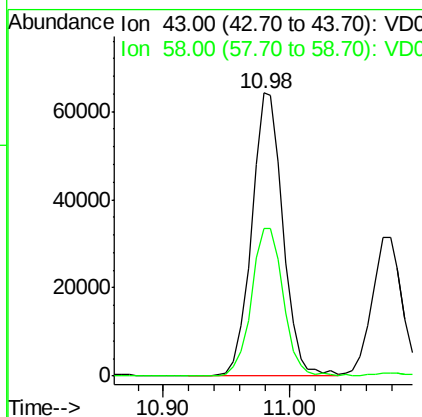
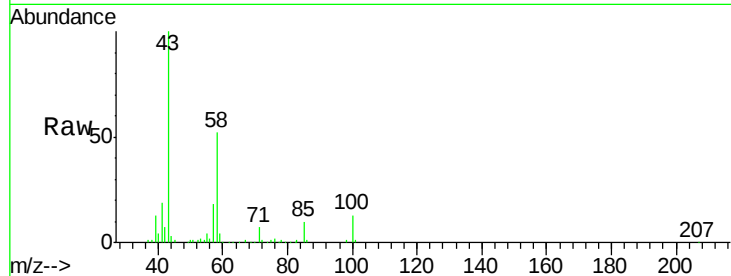
#59
2-Hexanone
Concen: 93.427 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	53.1	27.8	83.4

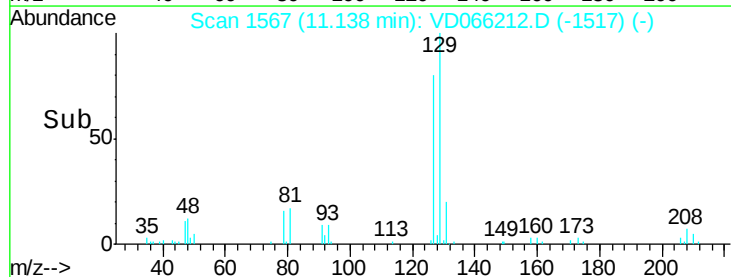
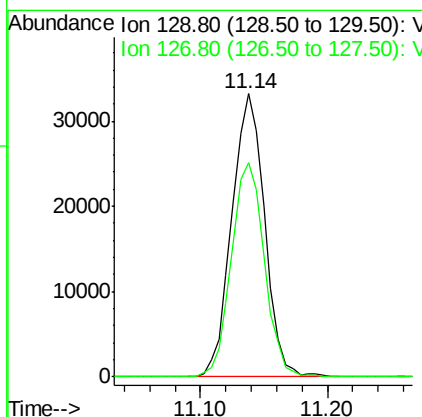
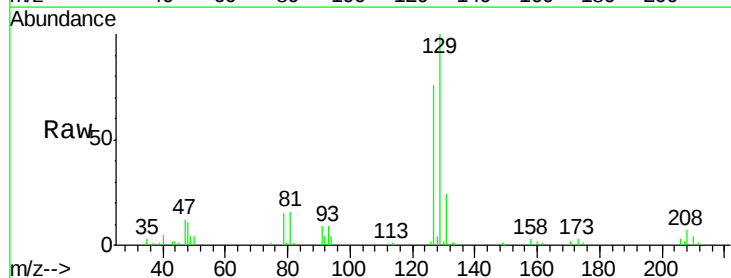
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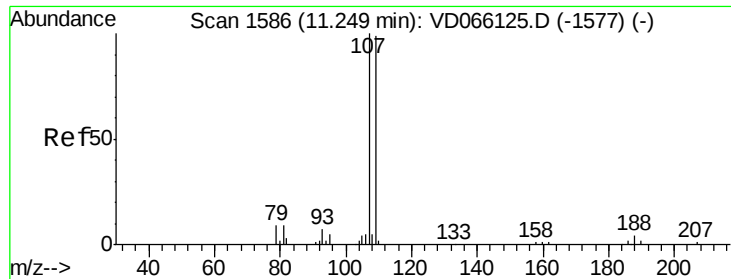
MMDadoda
8/14/2020 5:11:57 PM



#60
Dibromochloromethane
Concen: 19.099 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.9	38.0	114.1





#61

1,2-Dibromoethane

Concen: 18.774 ug/l

RT: 11.24 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

Tot Ion:107 Resp: 40687

Ion Ratio Lower Upper

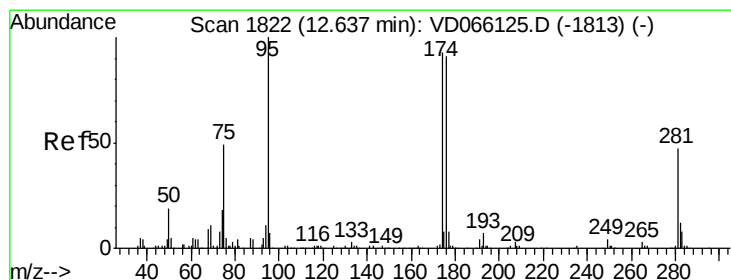
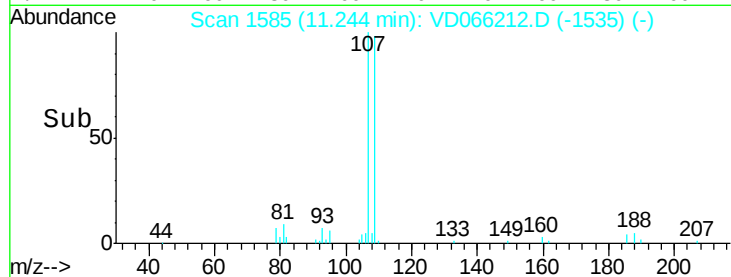
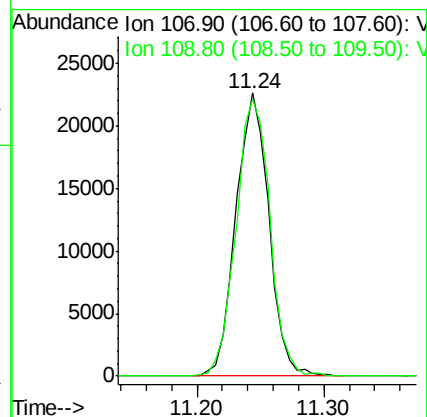
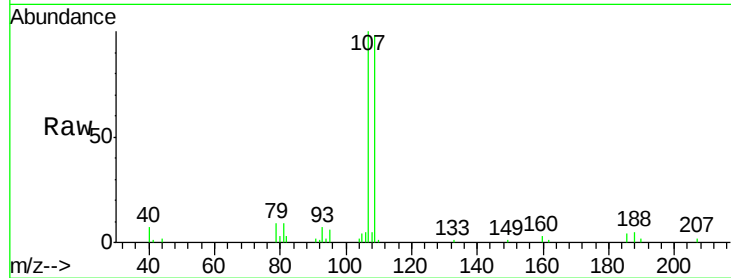
107 100

109 100.7 76.5 114.7

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8/14/2020 5:11:57 PM



#62

4-Bromofluorobenzene

Concen: 53.050 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

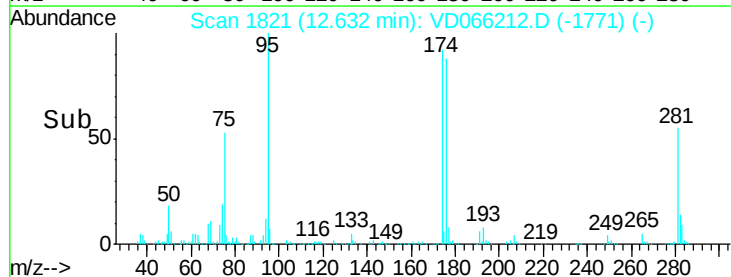
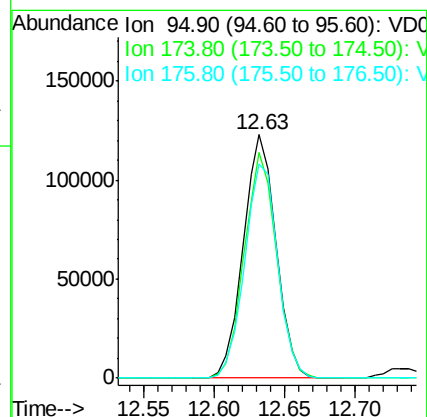
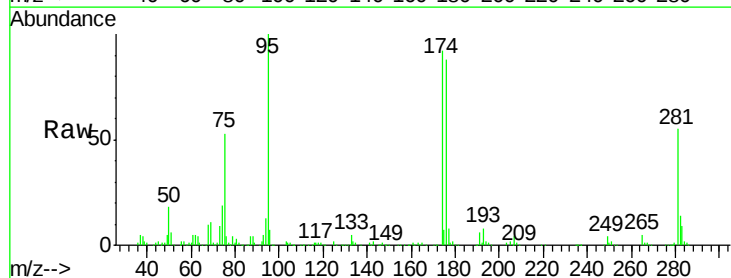
Tgt Ion: 95 Resp: 199214

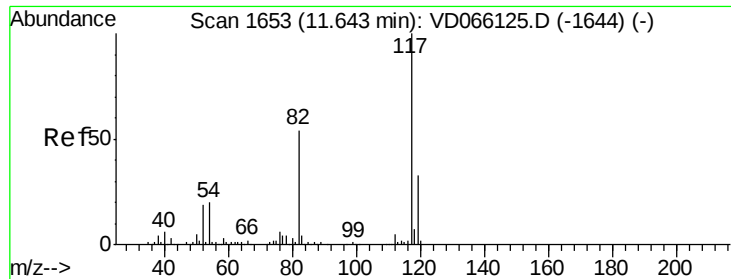
Ion Ratio Lower Upper

95 100

174 91.2 0.0 180.8

176 89.2 0.0 181.2





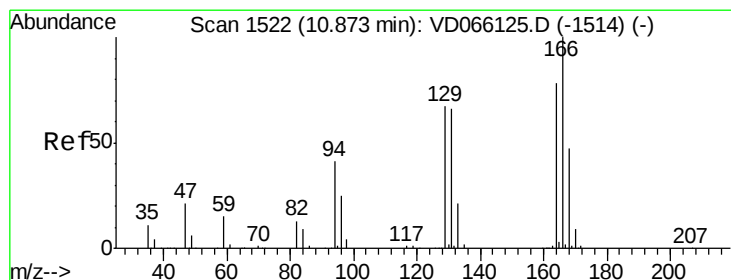
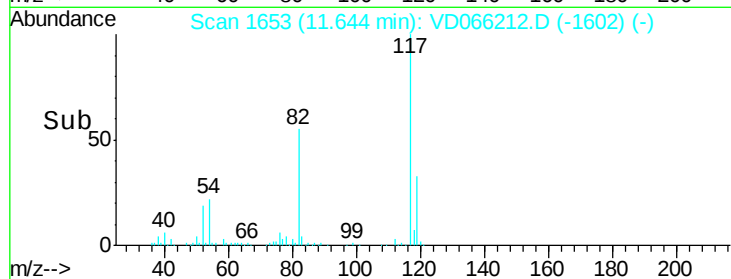
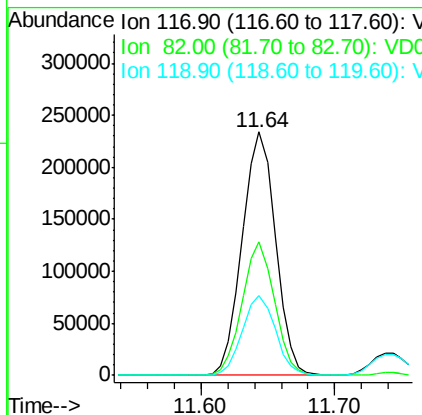
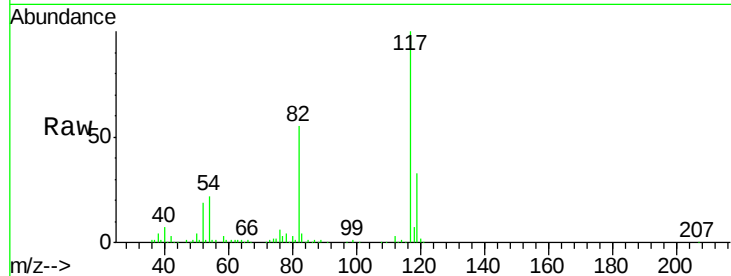
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	405535		
82	55.1	43.0	64.4	
119	32.7	26.1	39.1	

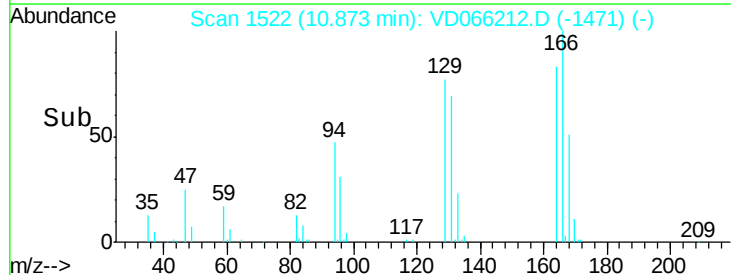
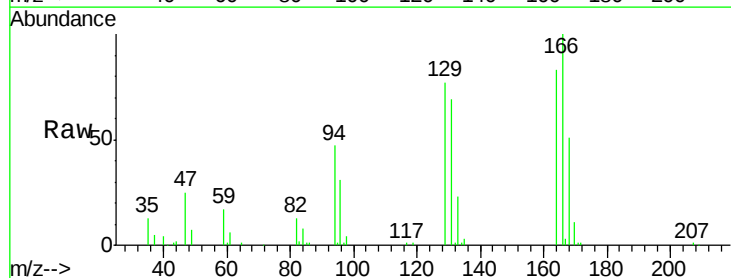
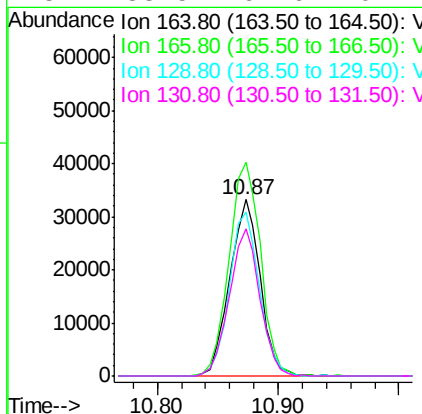
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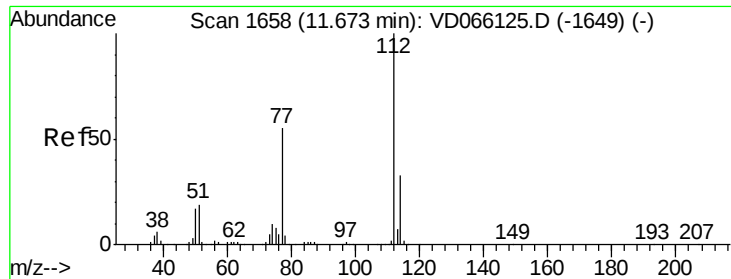
MMDadoda
8/14/2020 5:11:57 PM



#64
Tetrachloroethene
Concen: 18.714 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58277		
166	120.9	101.9	152.9	
129	92.6	68.1	102.1	
131	83.5	67.6	101.4	





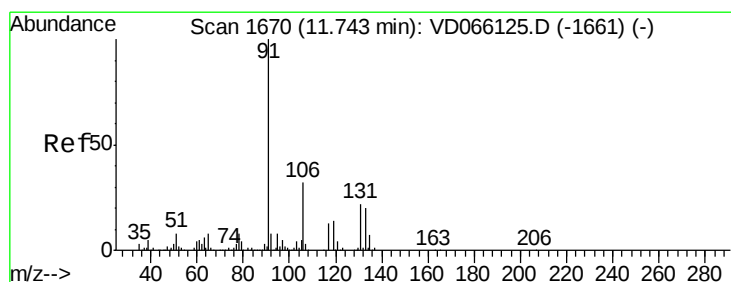
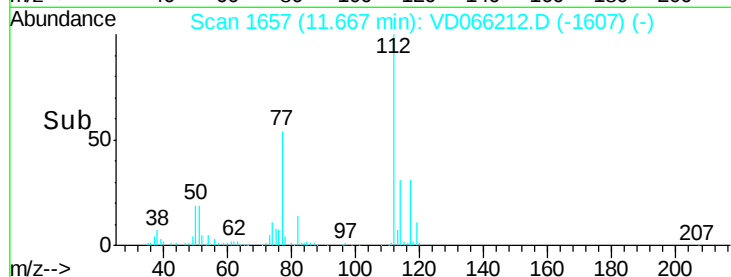
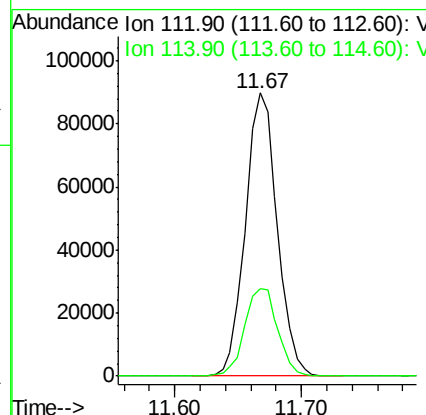
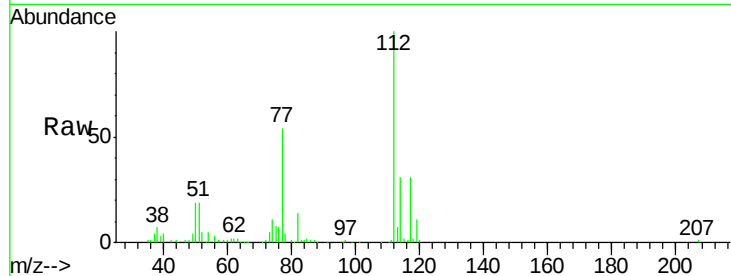
#65
Chlorobenzene
Concen: 19.012 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	156517		
114	31.1	26.1	39.1	

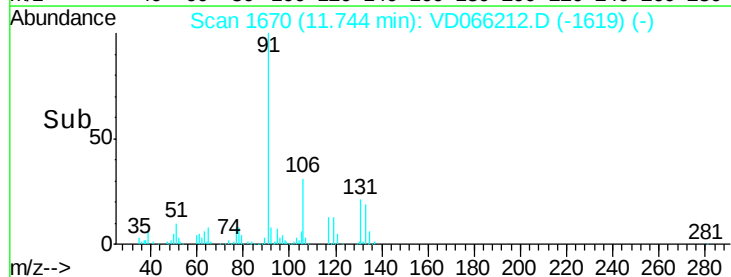
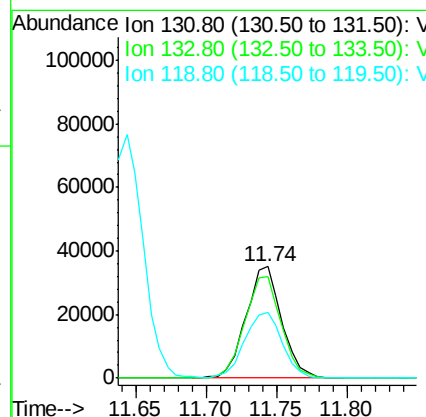
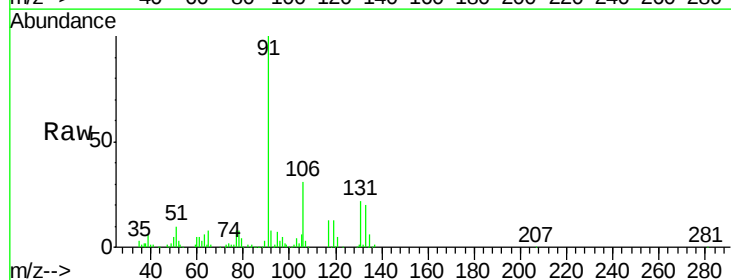
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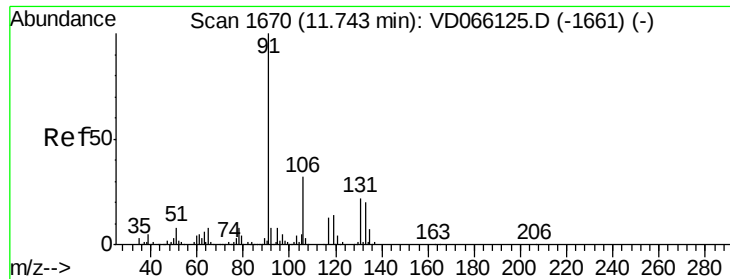
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 19.252 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	62012		
133	92.6	47.1	141.4	
119	62.1	31.6	94.7	





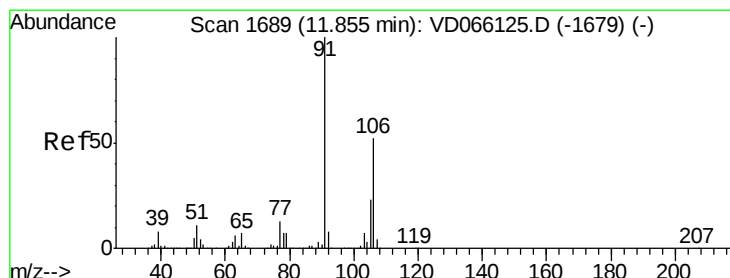
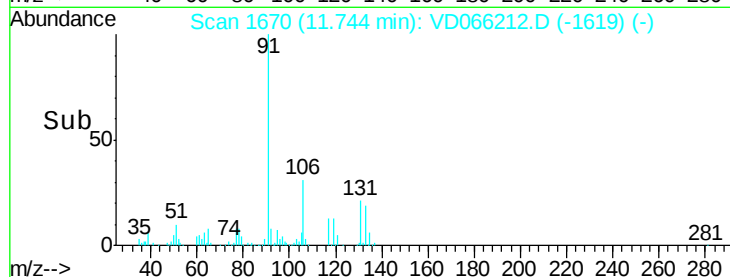
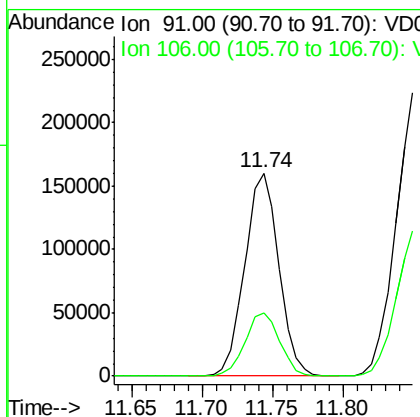
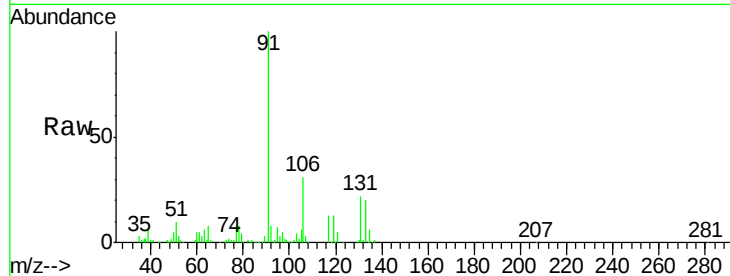
#67
Ethyl Benzene
Concen: 19.097 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
106	31.5	25.7	38.5	

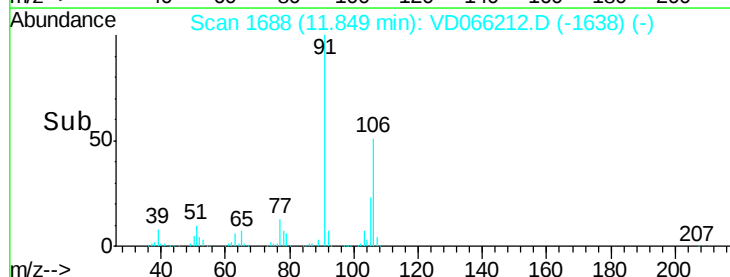
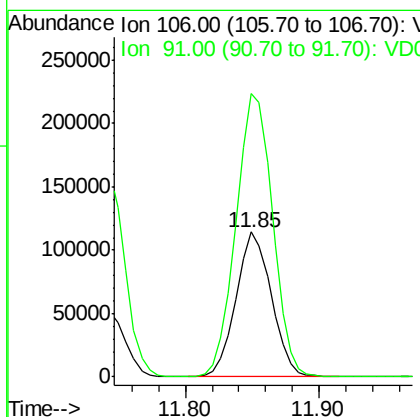
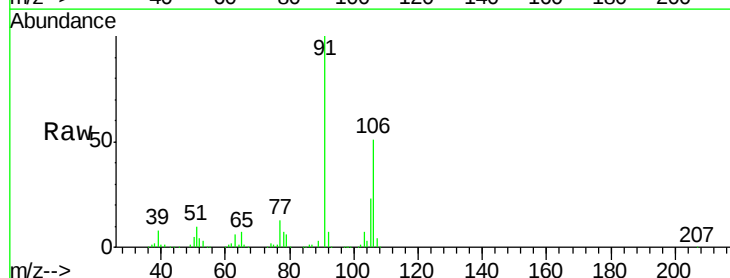
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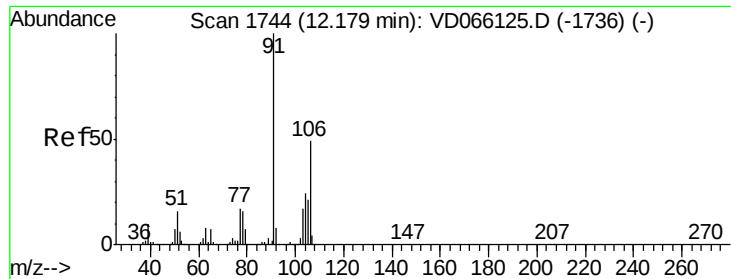
MMDadoda
8/14/2020 5:11:57 PM



#68
m/p-Xylenes
Concen: 38.014 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	202.3	156.6	235.0	





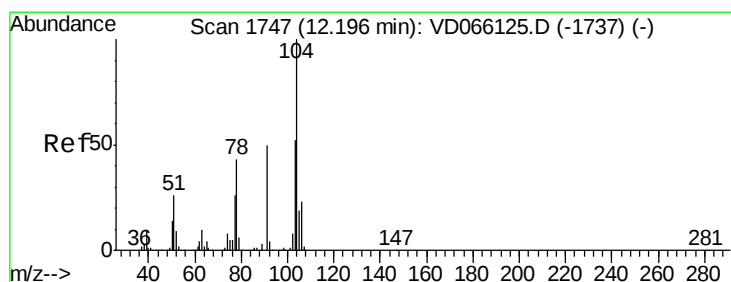
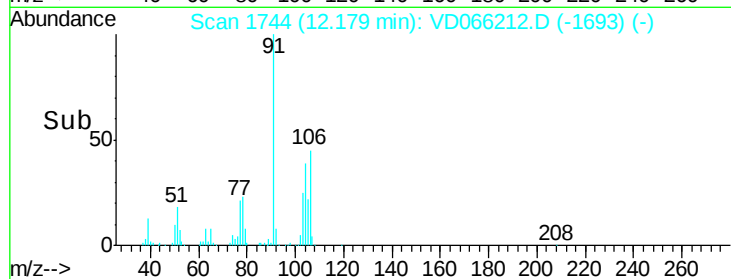
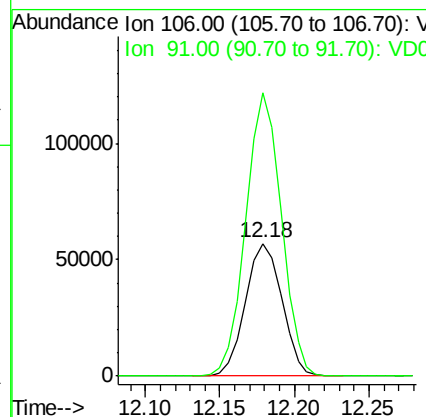
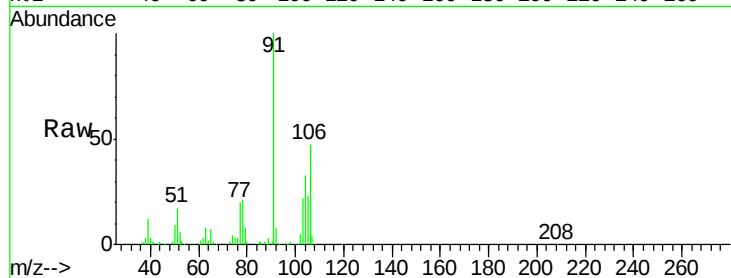
#69
o-Xylene
Concen: 19.261 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion:106 Resp: 96846
Ion Ratio Lower Upper
106 100
91 207.7 105.7 317.1

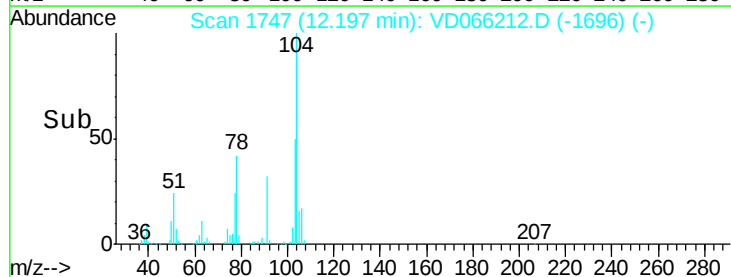
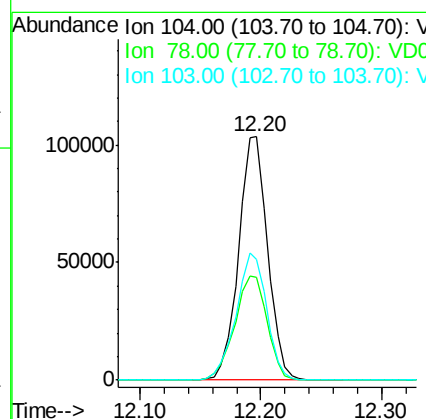
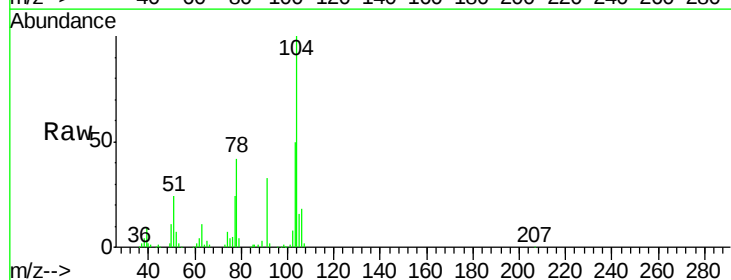
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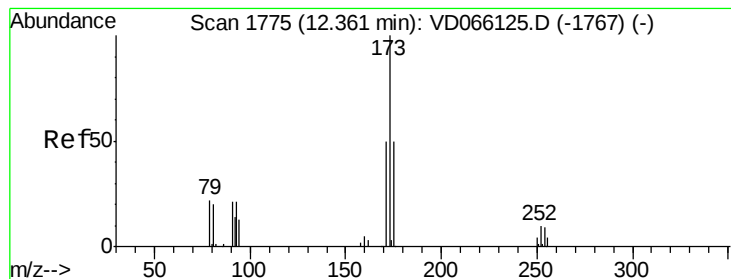
MMDadoda
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#70
Styrene
Concen: 19.694 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion:104 Resp: 173536
Ion Ratio Lower Upper
104 100
78 47.9 38.6 58.0
103 55.0 44.1 66.1





#71

Bromoform

Concen: 19.203 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion:173 Resp: 36648

Ion Ratio Lower Upper

173 100

175 46.6 24.6 73.6

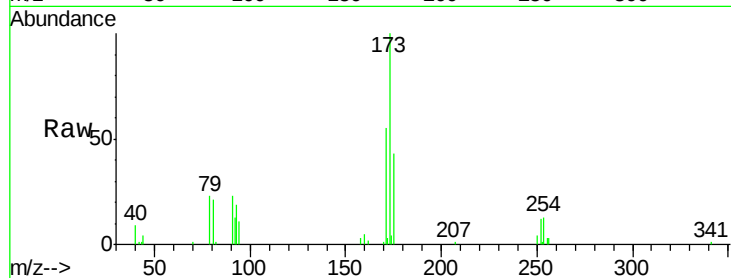
254 0.0 0.2 0.2#

Manual Integrations

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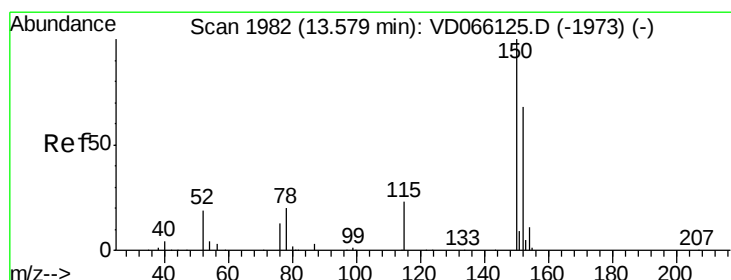
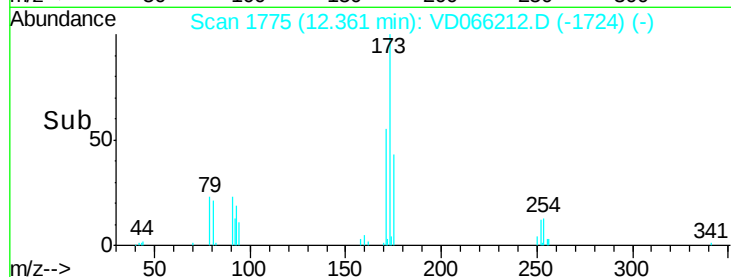
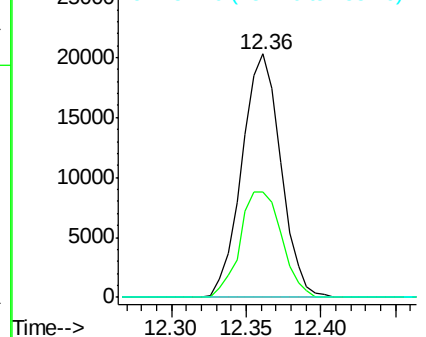
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Abundance Ion 172.70 (172.40 to 173.40): V

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# 1982

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

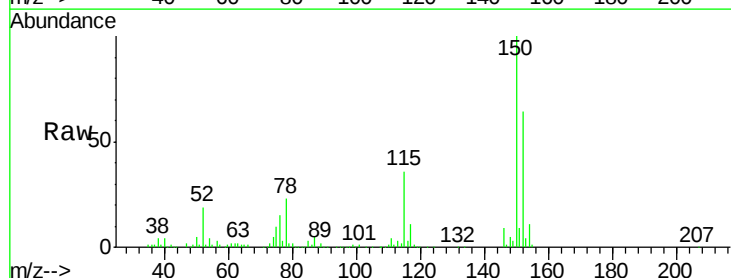
Tgt Ion:152 Resp: 212632

Ion Ratio Lower Upper

152 100

115 56.3 28.0 83.9

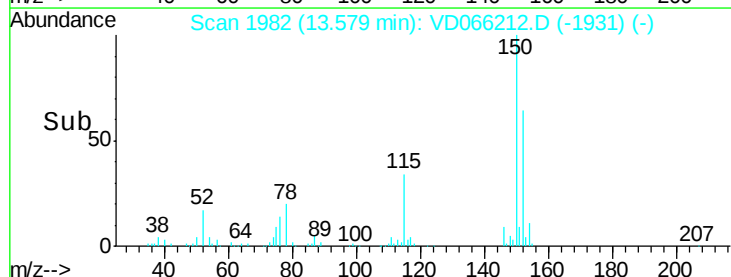
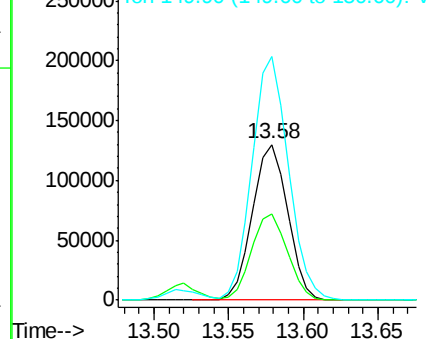
150 161.2 0.0 346.4

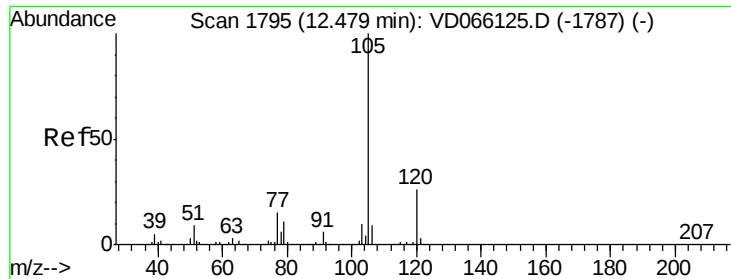


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





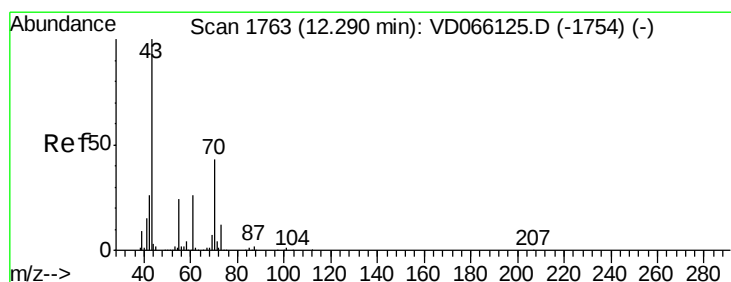
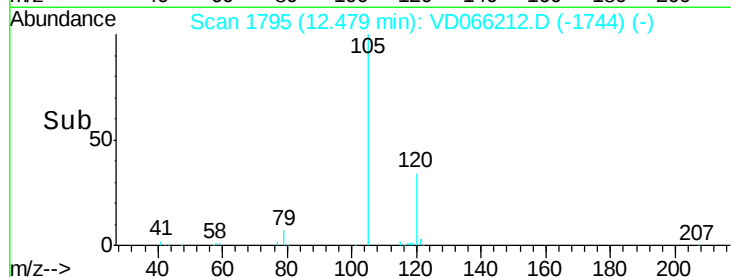
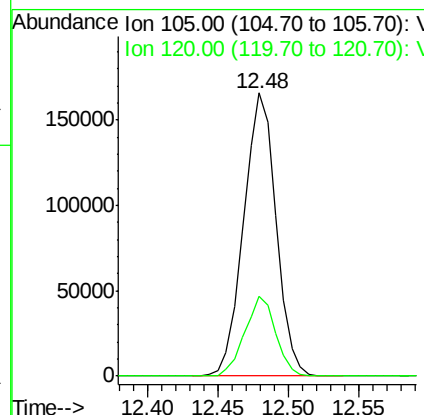
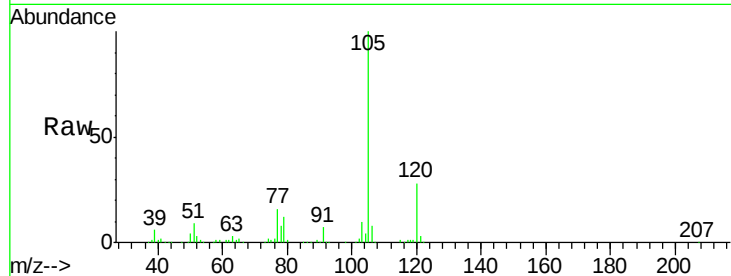
#73
Isopropylbenzene
Concen: 18.814 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.9

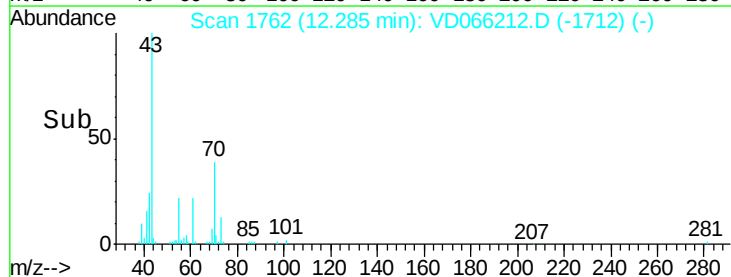
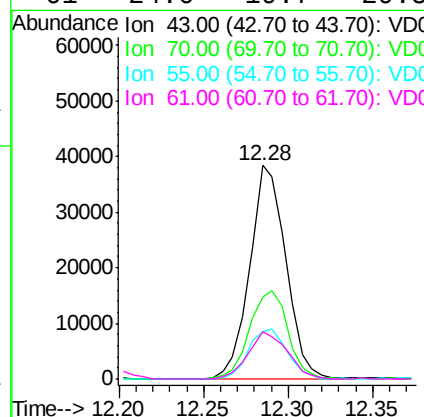
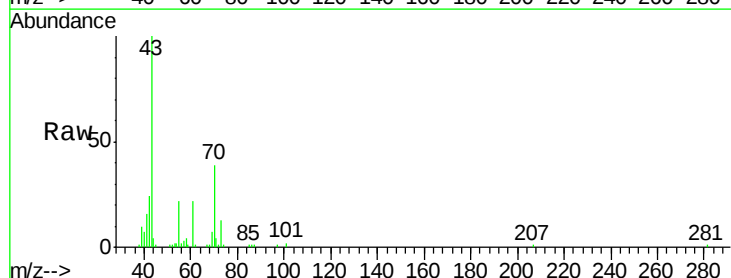
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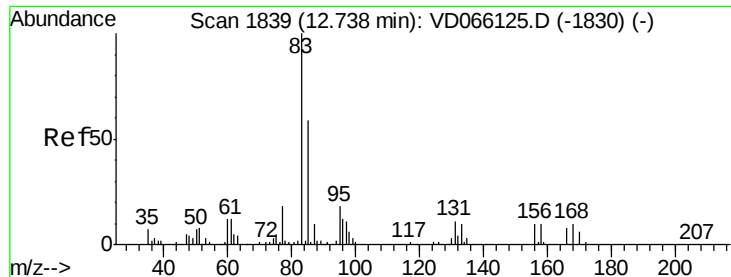
MMDadoda
8/14/2020 5:11:57 PM



#74
N-ethyl acetate
Concen: 18.377 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	34.9	52.3
55	24.6	19.2	28.8
61	24.0	19.7	29.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.435 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

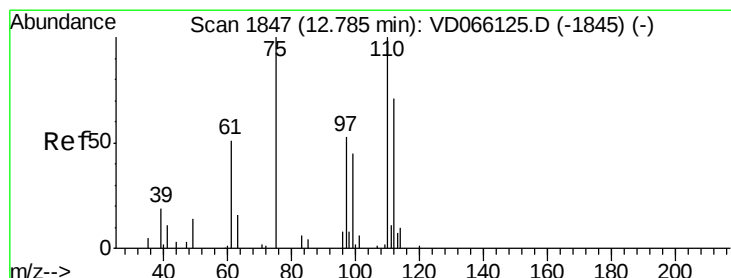
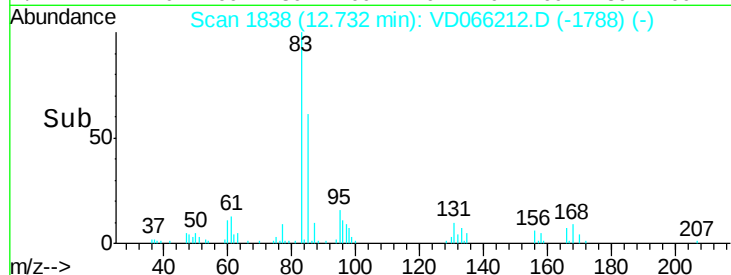
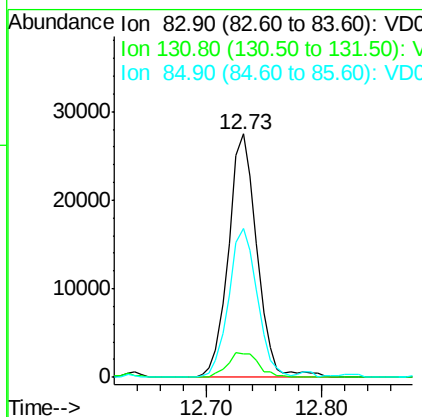
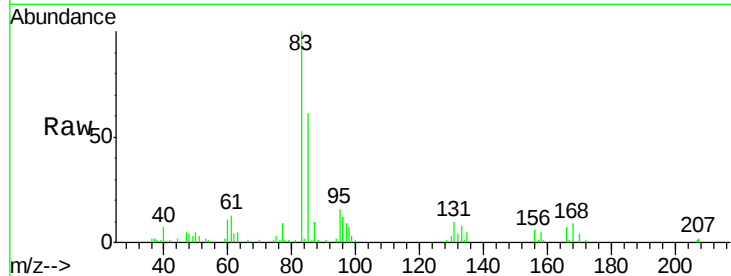
ClientSampleId :

VD0813SBS01

Tot Ion:	83	Resp:	47037
Ion Ratio	Lower	Upper	
83	100		
131	11.1	6.2	18.6
85	61.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 16.028 ug/l m

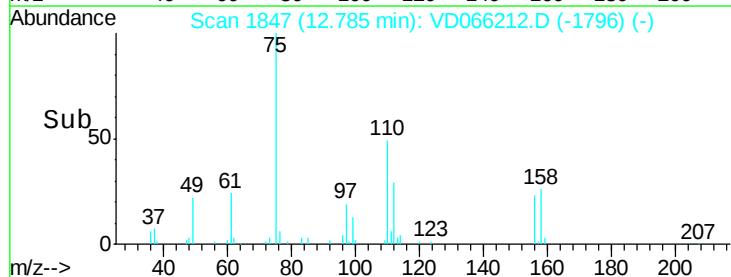
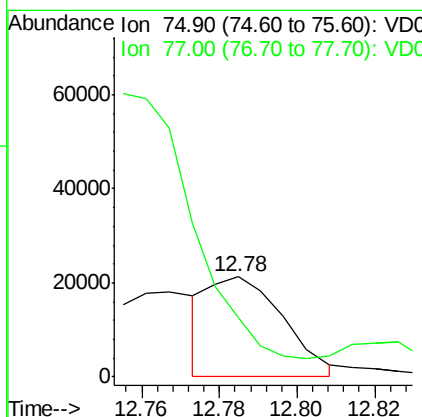
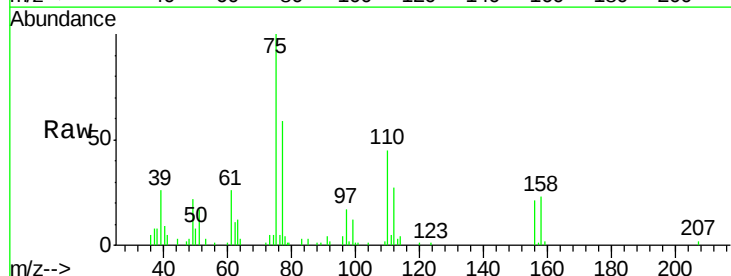
RT: 12.78 min Scan# 1847

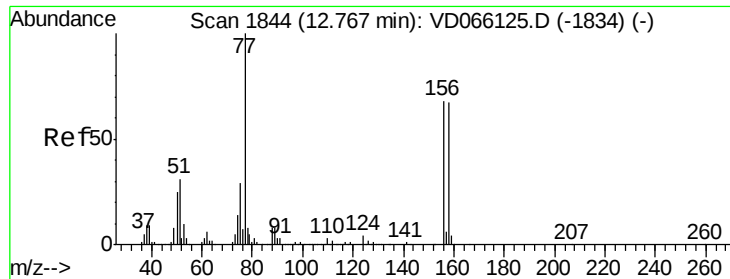
Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Tgt Ion:	75	Resp:	28420
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.974 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBSD01

Tot Ion:156 Resp: 69328

Ion Ratio Lower Upper

156 100

77 164.2 81.0 243.1

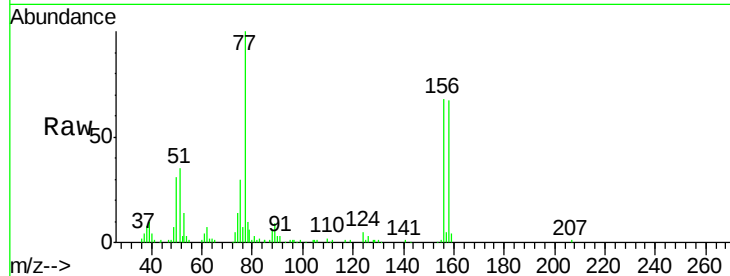
158 96.8 48.8 146.3

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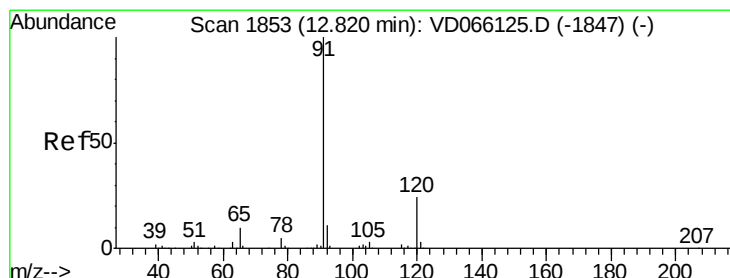
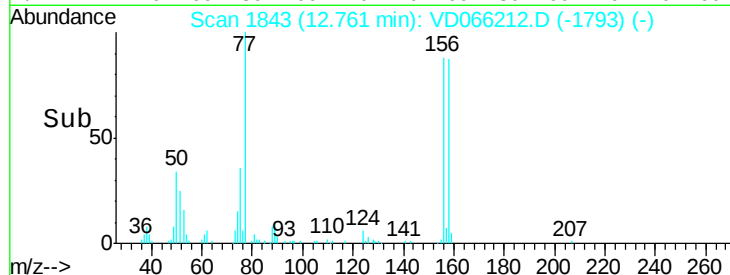
Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V

12.76

Time-->



#78

n-propylbenzene

Concen: 19.208 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VD066212.D

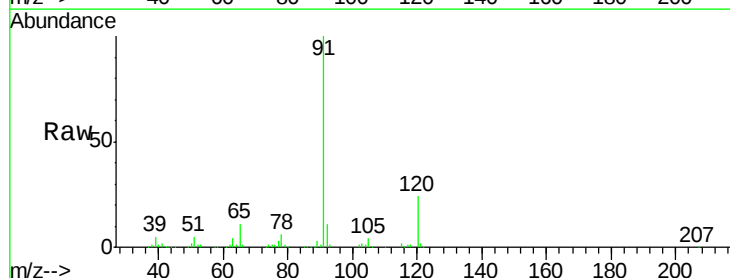
Acq: 13 Aug 2020 16:06

Tgt Ion: 91 Resp: 316916

Ion Ratio Lower Upper

91 100

120 23.8 12.0 36.0

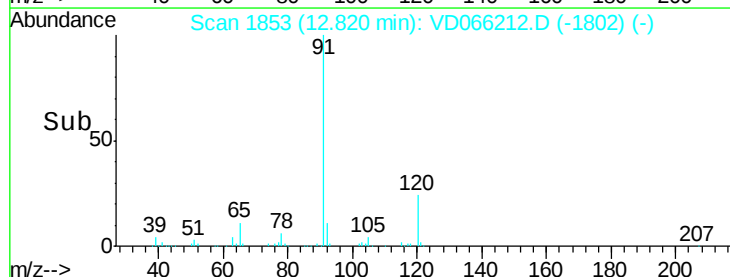


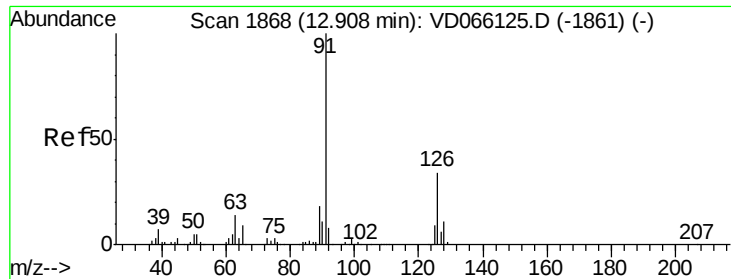
Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

12.82

Time-->





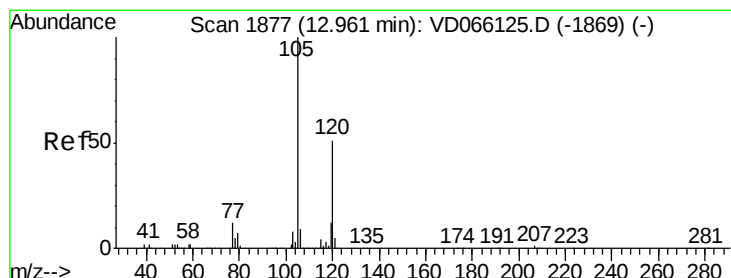
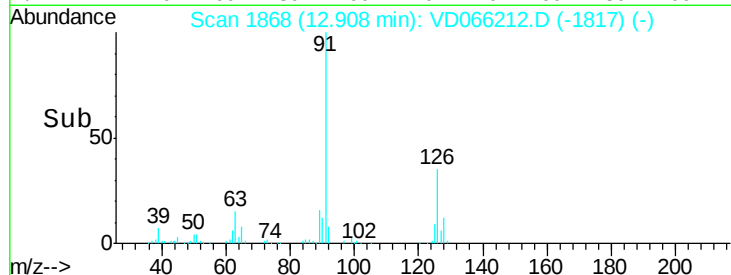
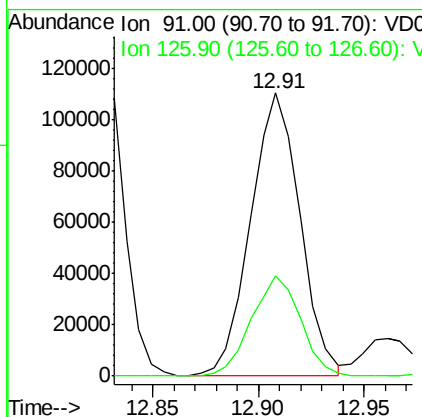
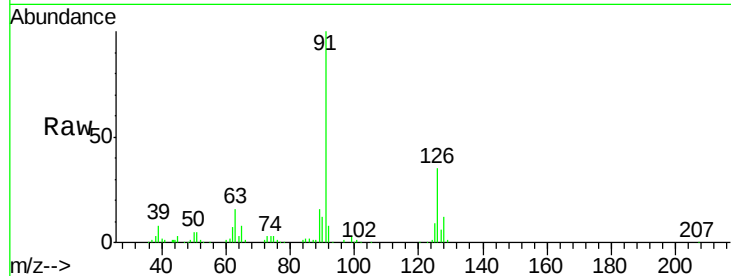
#79
 2-Chlorotoluene
 Concen: 19.013 ug/l
 RT: 12.91 min Scan# 1868
 Delta R.T. 0.00 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813SBSD01

Tot Ion: 91 Resp: 179415
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.5 52.6

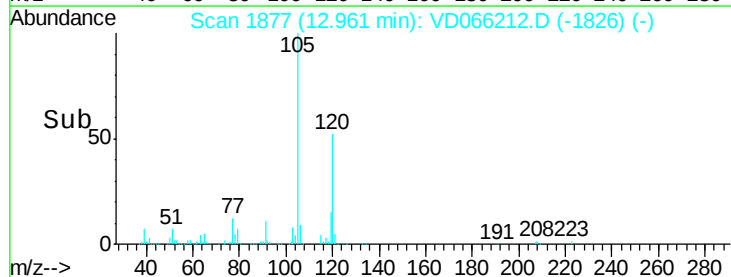
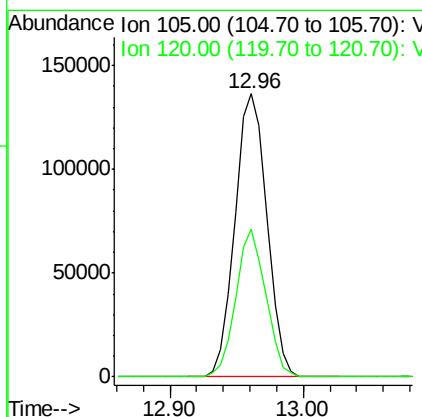
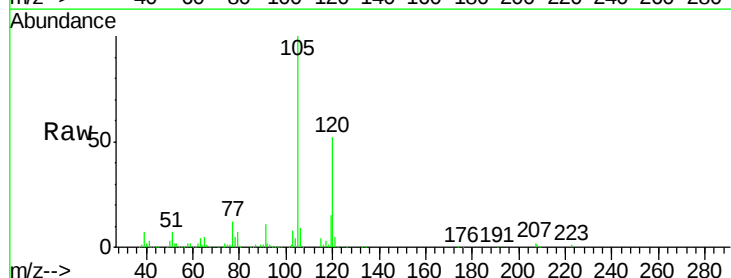
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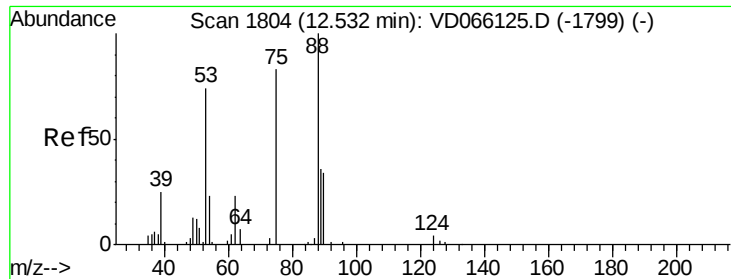
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#80
 1,3,5-Trimethylbenzene
 Concen: 19.034 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. 0.00 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Tgt Ion: 105 Resp: 225941
 Ion Ratio Lower Upper
 105 100
 120 48.9 25.3 75.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.948 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

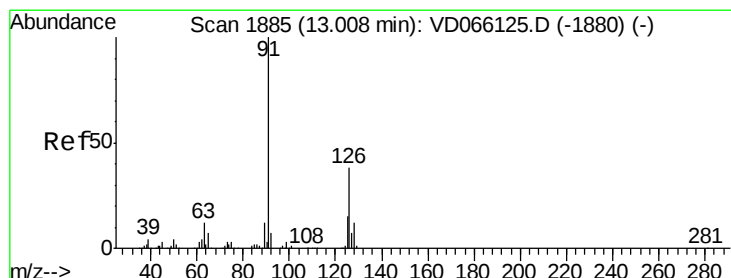
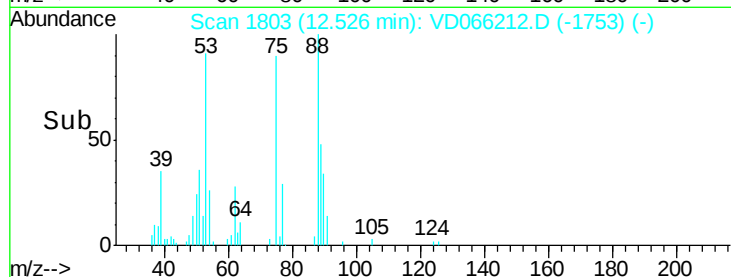
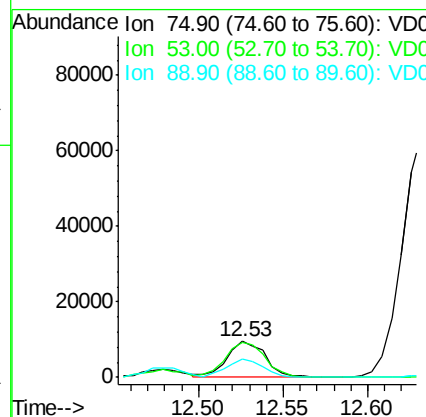
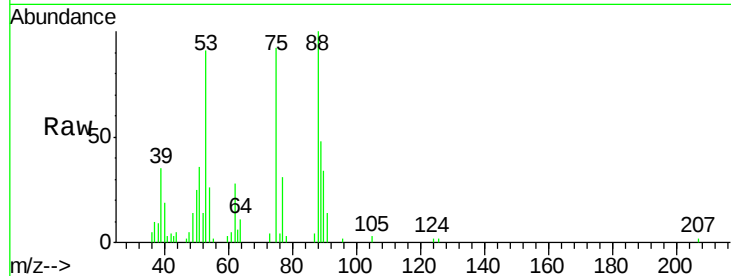
ClientSampleId :

VD0813SBSD01

Tot Ion:	75	Resp:	15199
Ion	Ratio	Lower	Upper
75	100		
53	99.8	73.4	110.2
89	47.8	36.6	55.0

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#82

4-Chlorotoluene

Concen: 18.977 ug/l

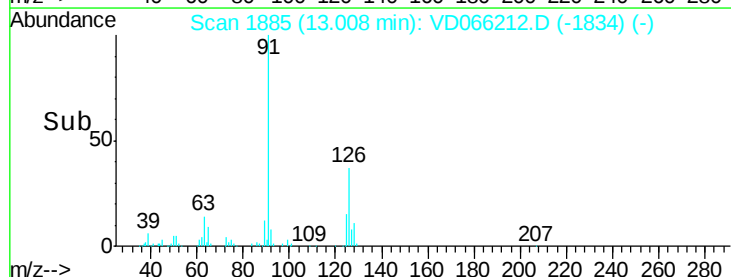
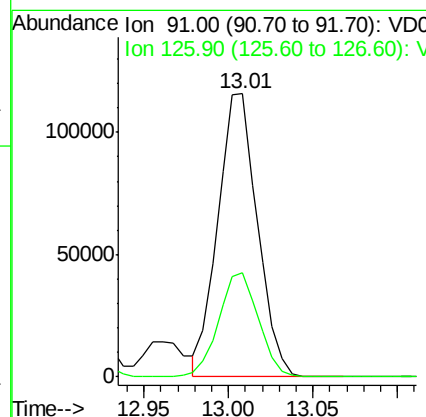
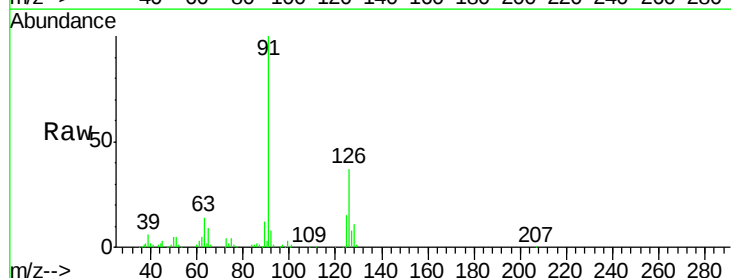
RT: 13.01 min Scan# 1885

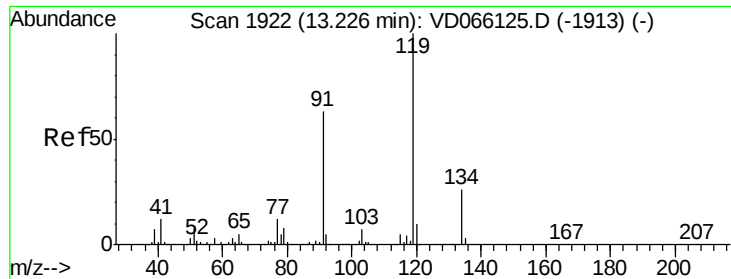
Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Tgt Ion:	91	Resp:	189040
Ion	Ratio	Lower	Upper
91	100		
126	36.9	17.8	53.3





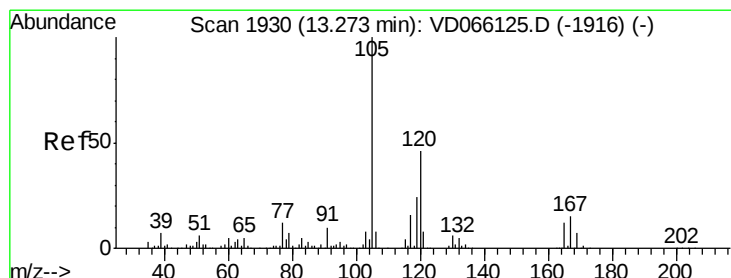
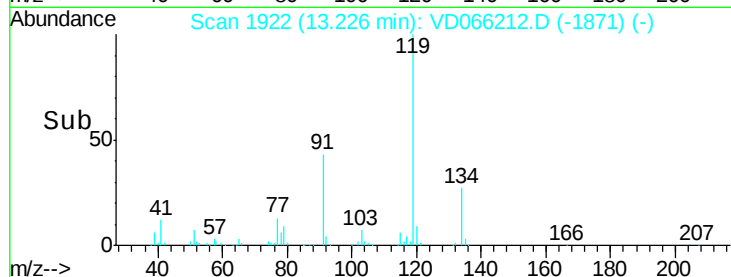
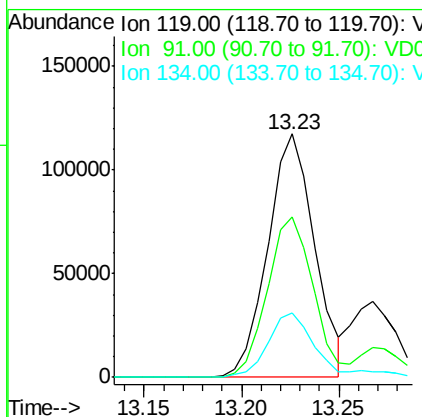
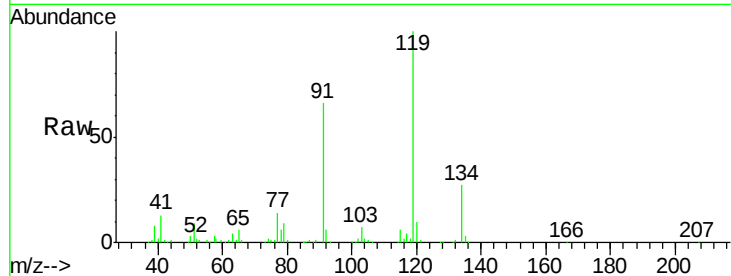
#83
tert-Butylbenzene
Concen: 18.670 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.3	30.8	92.4
134	25.6	13.6	40.8

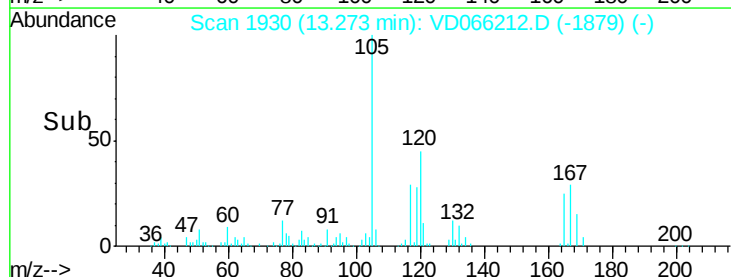
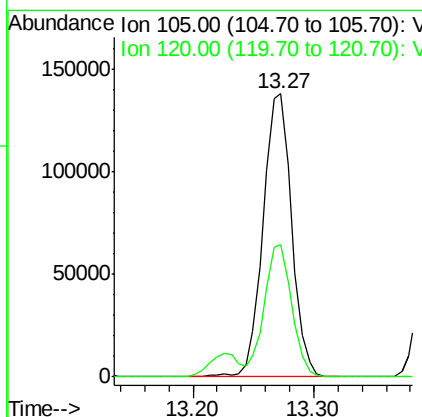
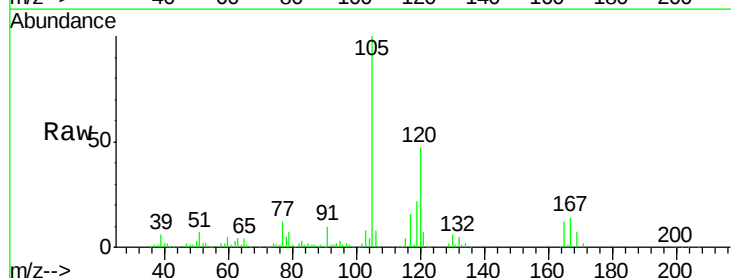
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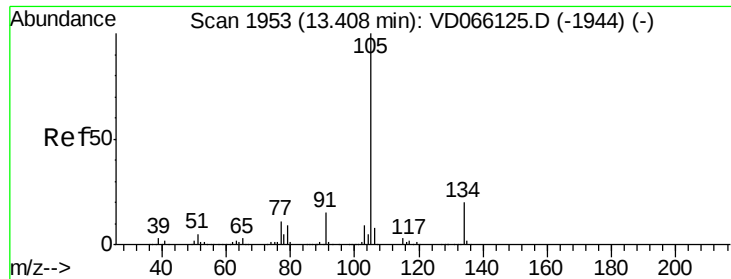
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#84
1,2,4-Trimethylbenzene
Concen: 19.183 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	23.1	69.2





#85

sec-Butylbenzene

Concen: 19.068 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

ClientSampleId :

VD0813SBS01

Tot Ion:105 Resp: 268754

Ion Ratio Lower Upper

105 100

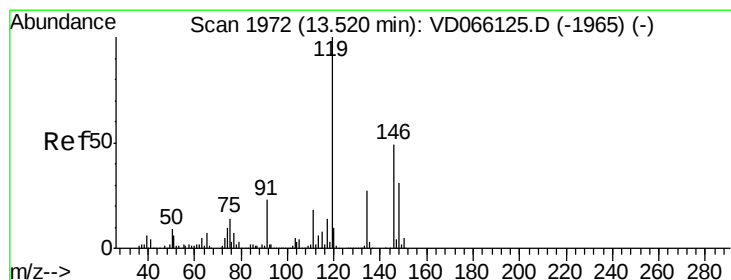
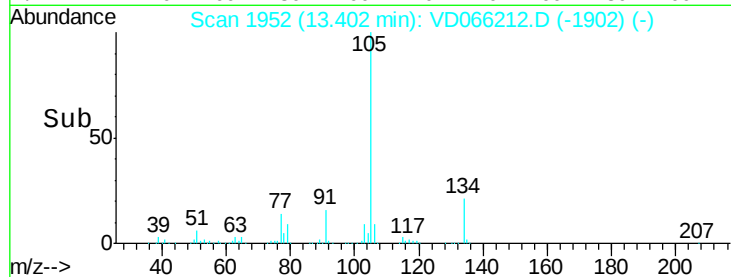
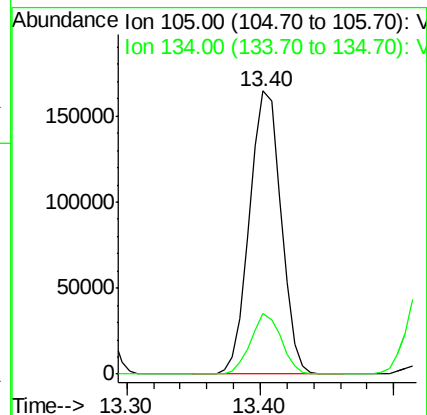
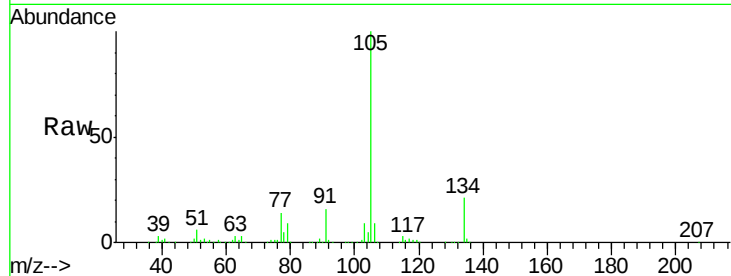
134 20.8 10.4 31.4

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#86

p-Isopropyltoluene

Concen: 19.432 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

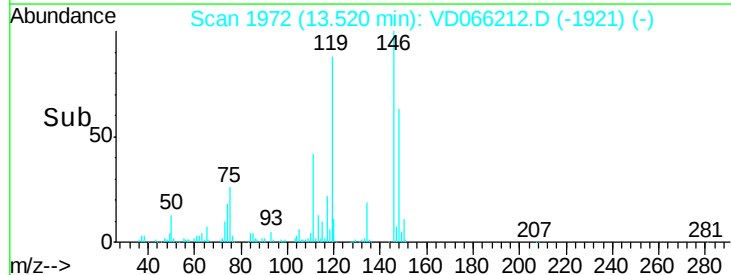
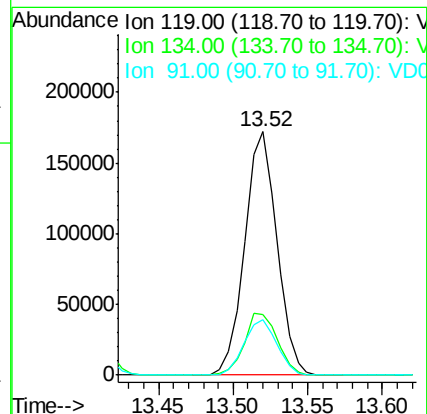
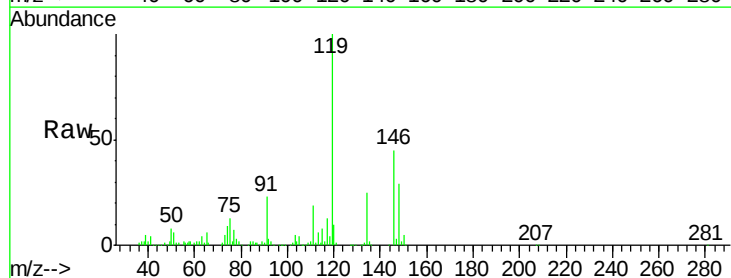
Tgt Ion:119 Resp: 256879

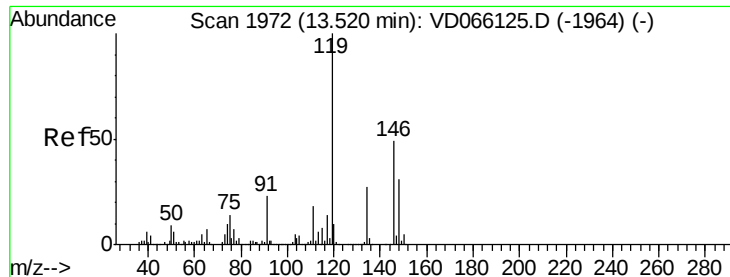
Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

91 23.6 11.2 33.5





#87

1,3-Dichlorobenzene

Concen: 18.954 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Instrument :

MSVOA_D

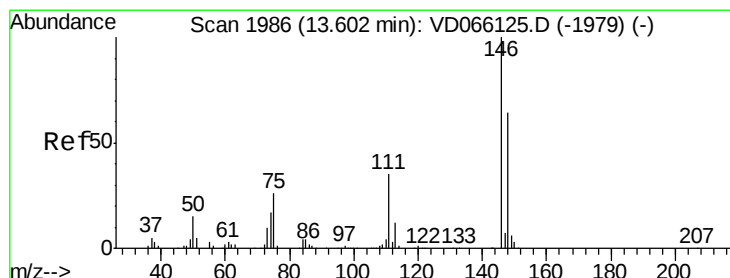
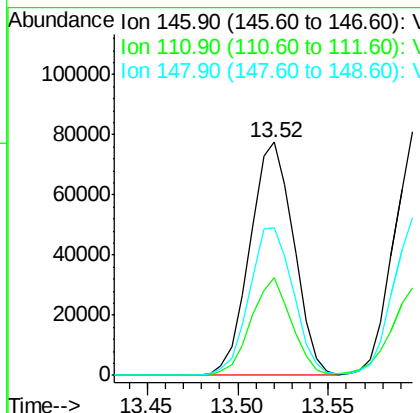
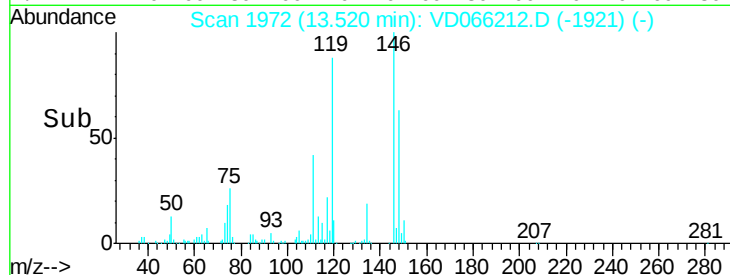
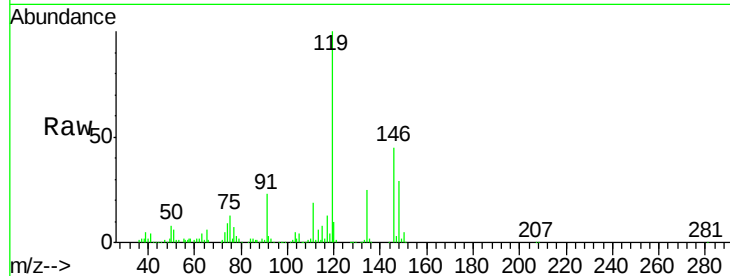
ClientSampleId :

VD0813SBS01

Tot Ion:	146	Resp:	130155
Ion Ratio	Lower	Upper	
146	100		
111	38.9	18.9	56.9
148	64.1	31.8	95.3

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#88

1,4-Dichlorobenzene

Concen: 18.778 ug/l

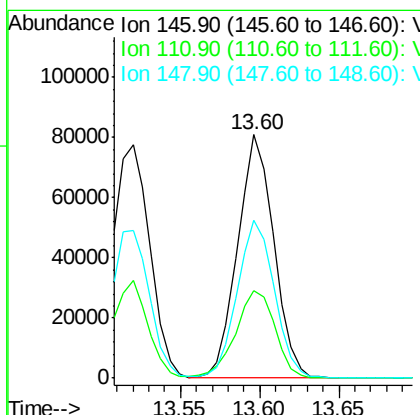
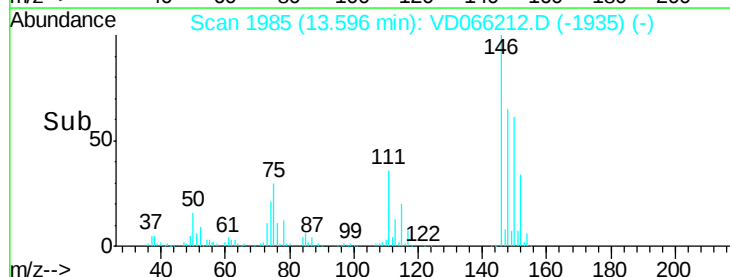
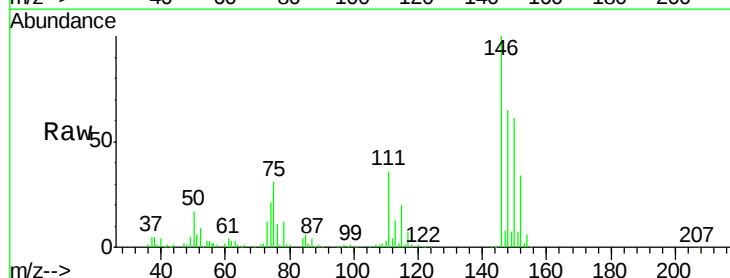
RT: 13.60 min Scan# 1985

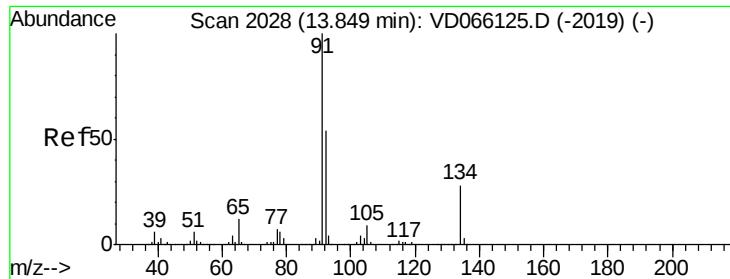
Delta R.T. -0.01 min

Lab File: VD066212.D

Acq: 13 Aug 2020 16:06

Tgt Ion:	146	Resp:	128597
Ion Ratio	Lower	Upper	
146	100		
111	39.1	18.6	55.8
148	66.4	32.4	97.0





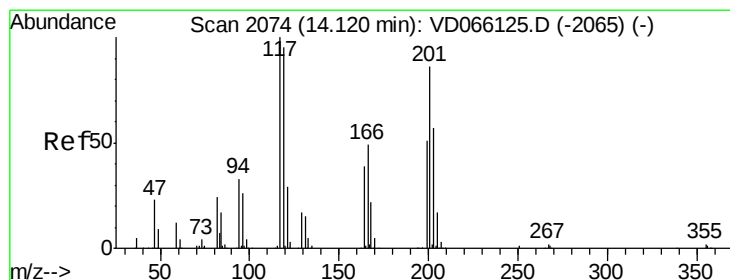
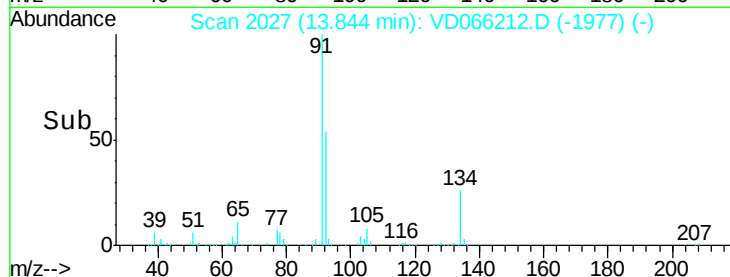
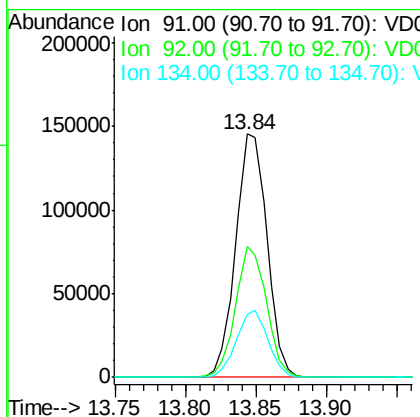
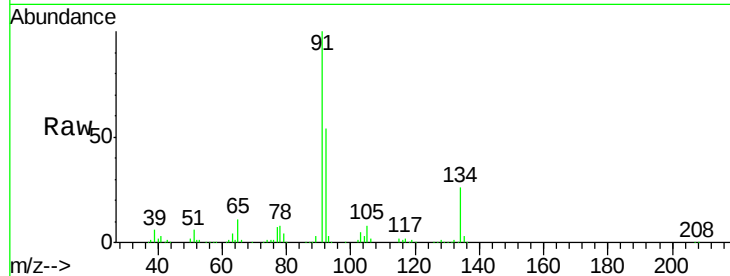
#89
n-Butylbenzene
Concen: 19.089 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.9	26.8	80.3	
134	27.9	14.0	41.9	

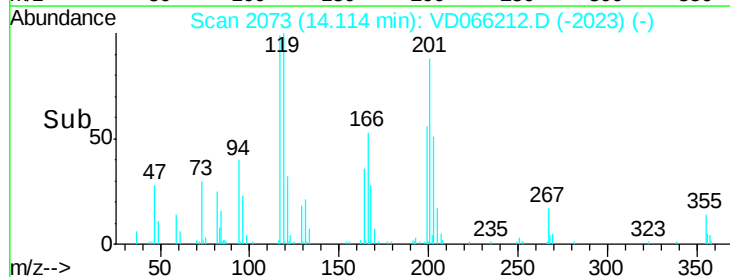
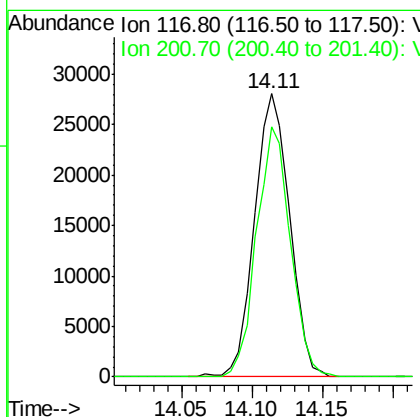
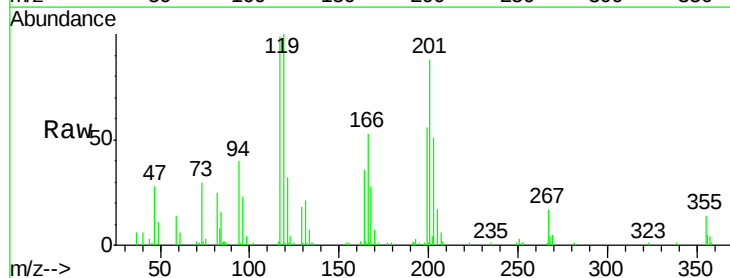
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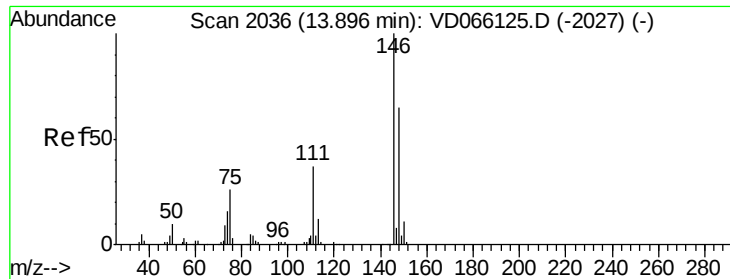
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#90
Hexachloroethane
Concen: 18.608 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	85.1	42.7	128.1	





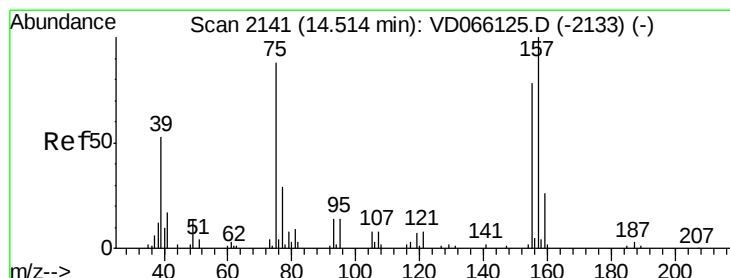
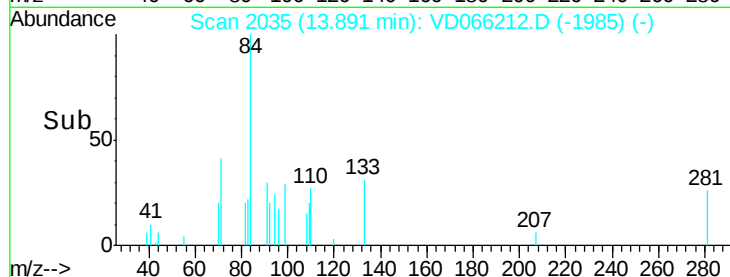
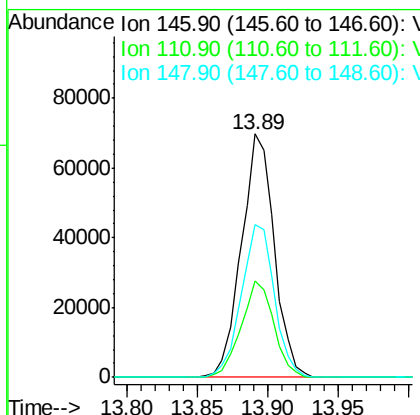
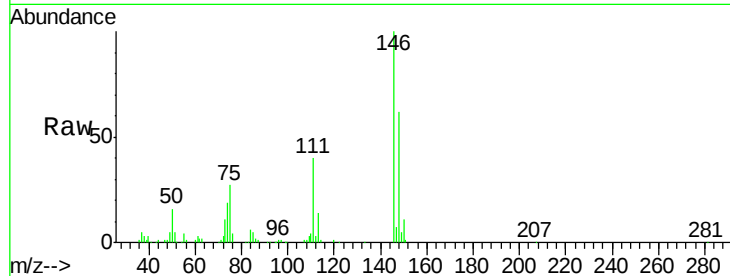
#91
 1,2-Dichlorobenzene
 Concen: 18.700 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0813BSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	18.8	56.3
148	63.3	31.9	95.5

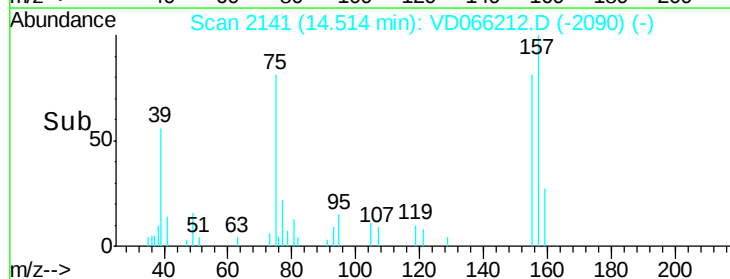
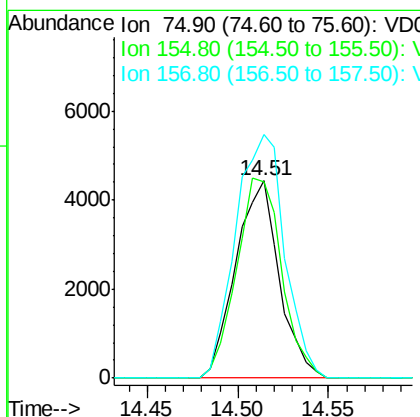
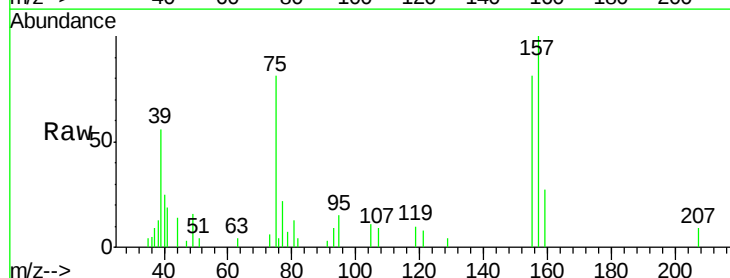
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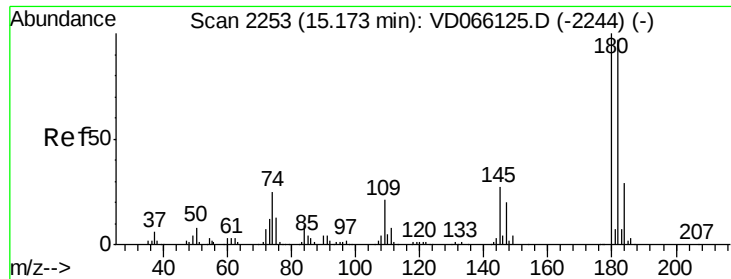
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.766 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD066212.D
 Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	105.3	47.7	143.1
157	139.4	62.1	186.2





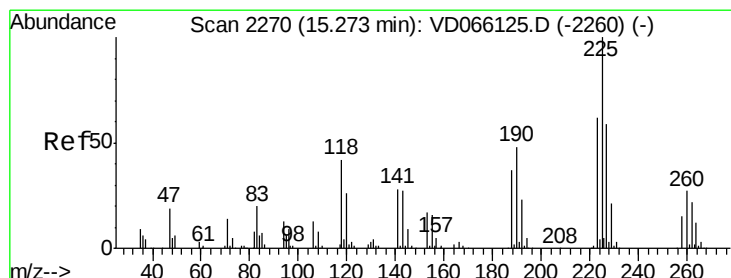
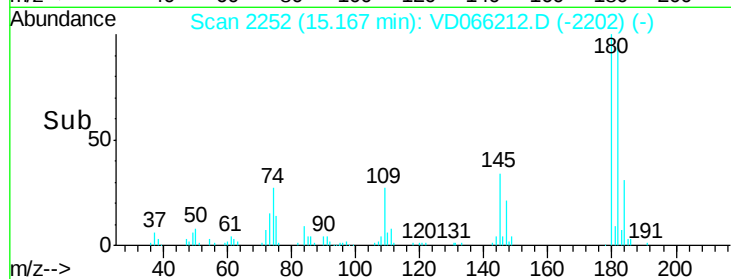
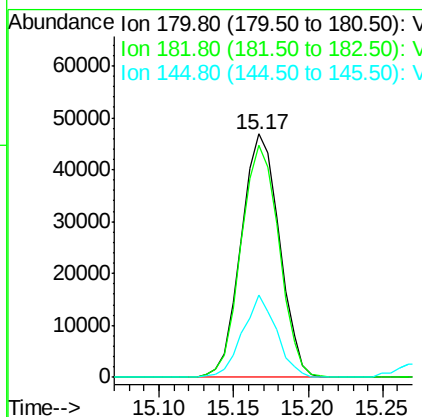
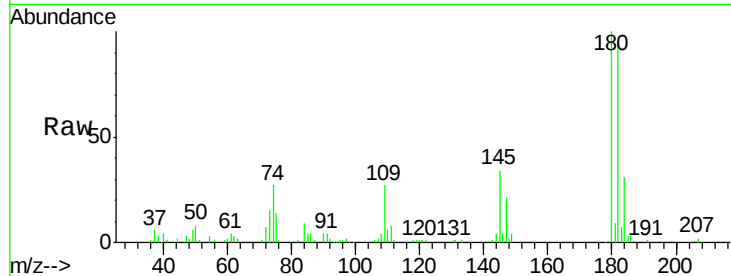
#93
1,2,4-Trichlorobenzene
Concen: 18.660 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.01 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.4	142.2
145	30.0	14.5	43.6

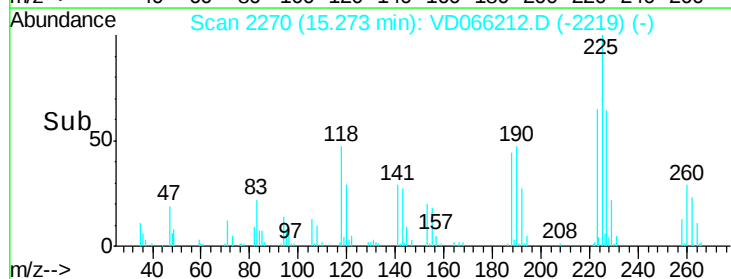
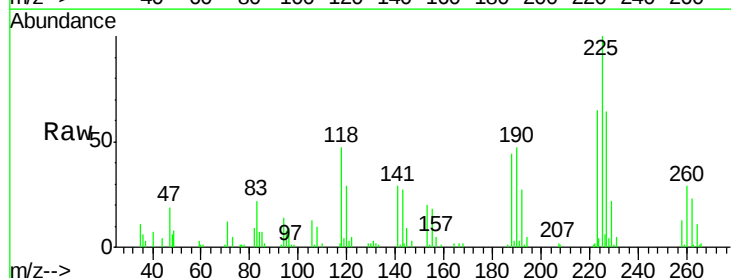
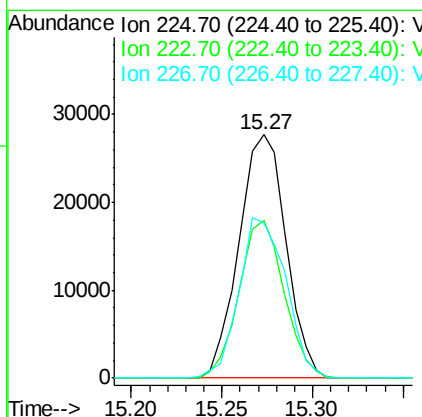
Manual Integrations
APPROVED

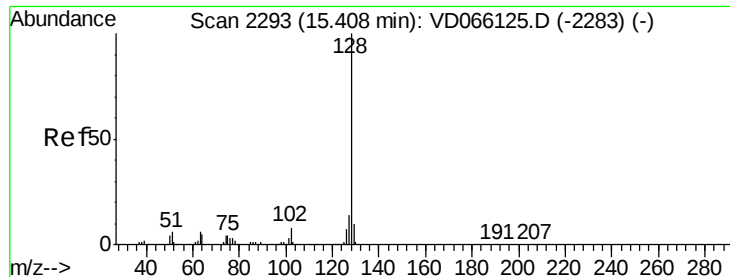
MMDadoda
8/14/2020 5:11:57 PM



#94
Hexachlorobutadiene
Concen: 19.001 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.2	32.3	96.9
227	65.3	32.1	96.5





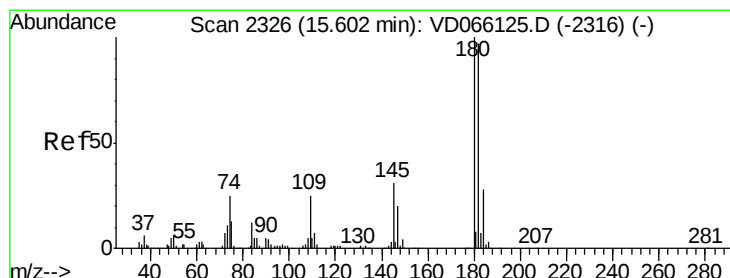
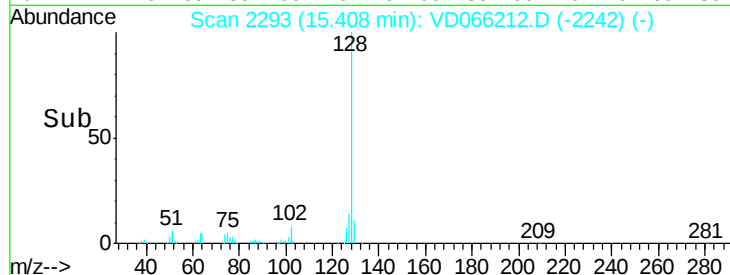
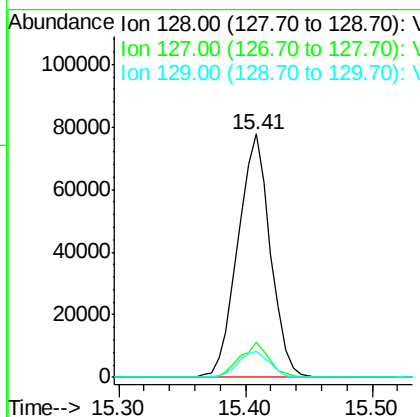
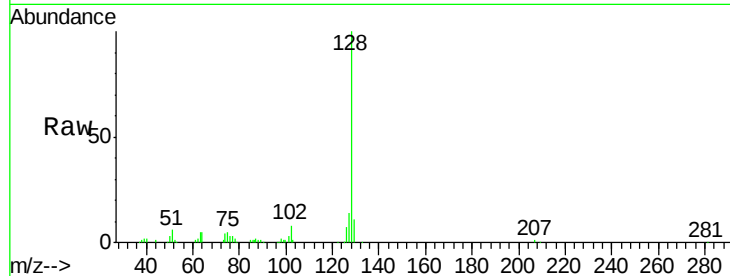
#95
Naphthalene
Concen: 18.885 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Instrument :
MSVOA_D
ClientSampleId :
VD0813SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	10.5	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
8/14/2020 5:11:57 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.649 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066212.D
Acq: 13 Aug 2020 16:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.1	141.4
145	32.0	14.9	44.9

