

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067292.D
 Acq On : 16 Oct 2020 11:55
 Operator : VA/SY
 Sample : VD1016SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/19/2020 11:09:27 AM

Quant Time: Oct 17 00:52:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	324381	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	485030	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	448838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	230260	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	158204	48.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.36%	
35) Dibromofluoromethane	7.92	113	163621	50.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.38%	
50) Toluene-d8	10.34	98	600520	51.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.82%	
62) 4-Bromofluorobenzene	12.64	95	211600	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	58830	19.968	ug/l	97
3) Chloromethane	2.21	50	43607	21.360	ug/l	98
4) Vinyl Chloride	2.35	62	43632	19.479	ug/l	96
5) Bromomethane	2.76	94	33724	20.237	ug/l	92
6) Chloroethane	2.92	64	28057	20.113	ug/l #	84
7) Trichlorofluoromethane	3.27	101	117521	20.836	ug/l	97
8) Diethyl Ether	3.71	74	25543	19.791	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.09	101	61062	20.376	ug/l	99
10) Methyl Iodide	4.29	142	48615	17.586	ug/l	95
11) Tert butyl alcohol	5.21	59	24669m	122.806	ug/l	
12) 1,1-Dichloroethene	4.06	96	54982	20.537	ug/l	91
13) Acrolein	3.92	56	11921	77.722	ug/l	88
14) Allyl chloride	4.71	41	60959	19.883	ug/l	98
15) Acrylonitrile	5.43	53	44434	103.177	ug/l	98
16) Acetone	4.16	43	48422	106.390	ug/l	95
17) Carbon Disulfide	4.40	76	149874	19.637	ug/l	98
18) Methyl Acetate	4.72	43	20442	19.692	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	107774	20.246	ug/l	99
20) Methylene Chloride	4.96	84	63389	18.956	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	62149	20.173	ug/l	94
22) Diisopropyl ether	6.36	45	119806	21.392	ug/l	95
23) Vinyl Acetate	6.30	43	325431	102.134	ug/l	95
24) 1,1-Dichloroethane	6.26	63	100897	21.046	ug/l	99
25) 2-Butanone	7.21	43	53945	103.978	ug/l	93
26) 2,2-Dichloropropane	7.21	77	105339	21.317	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	68840	20.388	ug/l	98
28) Bromochloromethane	7.55	49	33877	20.717	ug/l	98
29) Tetrahydrofuran	7.56	42	30478	105.681	ug/l	95
30) Chloroform	7.71	83	120881	21.107	ug/l #	83
31) Cyclohexane	7.98	56	74106	19.798	ug/l #	91
32) 1,1,1-Trichloroethane	7.91	97	118017	21.002	ug/l	100
36) 1,1-Dichloropropene	8.11	75	85895	20.894	ug/l	98
37) Ethyl Acetate	7.29	43	24469	20.230	ug/l #	93
38) Carbon Tetrachloride	8.10	117	111662	21.252	ug/l	97

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 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	88122	20.504	ug/l	96
40) Benzene	8.36	78	236326	20.955	ug/l	98
41) Methacrylonitrile	7.51	41	10037	15.356	ug/l #	61
42) 1,2-Dichloroethane	8.43	62	74222	21.030	ug/l	98
43) Isopropyl Acetate	8.46	43	47925	19.969	ug/l	97
44) Trichloroethene	9.11	130	74985	20.766	ug/l	93
45) 1,2-Dichloropropane	9.39	63	55210	21.123	ug/l	99
46) Dibromomethane	9.48	93	33658	20.668	ug/l	96
47) Bromodichloromethane	9.67	83	90707	20.789	ug/l	100
48) Methyl methacrylate	9.46	41	24782	21.248	ug/l	92
49) 1,4-Dioxane	9.46	88	6616	401.638	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	122641	102.453	ug/l	98
52) Toluene	10.40	92	162124	21.106	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	78418	20.460	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	94720	21.117	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	47251	21.278	ug/l	91
56) Ethyl methacrylate	10.66	69	45295	19.667	ug/l	98
57) 1,3-Dichloropropane	10.95	76	72722	20.578	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	122816	103.951	ug/l	100
59) 2-Hexanone	10.98	43	86655	105.938	ug/l	100
60) Dibromochloromethane	11.15	129	70548	21.784	ug/l	97
61) 1,2-Dibromoethane	11.25	107	45336	20.708	ug/l	97
64) Tetrachloroethene	10.88	164	69770	21.455	ug/l	97
65) Chlorobenzene	11.67	112	179703	20.879	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	74986	21.921	ug/l	98
67) Ethyl Benzene	11.75	91	306635	20.783	ug/l	99
68) m/p-Xylenes	11.86	106	244856	43.097	ug/l	99
69) o-Xylene	12.18	106	108114	20.550	ug/l	99
70) Styrene	12.20	104	192306	21.234	ug/l	99
71) Bromoform	12.37	173	39947	21.737	ug/l #	97
73) Isopropylbenzene	12.48	105	307154	21.018	ug/l	99
74) N-amyl acetate	12.29	43	44539	20.179	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	47226	21.091	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	35102m	21.995	ug/l	
77) Bromobenzene	12.77	156	76501	20.997	ug/l	100
78) n-propylbenzene	12.83	91	359784	21.249	ug/l	98
79) 2-Chlorotoluene	12.91	91	205080	20.886	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	269891	21.252	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	14120	20.064	ug/l	94
82) 4-Chlorotoluene	13.01	91	223135	21.411	ug/l	100
83) tert-Butylbenzene	13.23	119	227444	21.202	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	271277	21.613	ug/l	100
85) sec-Butylbenzene	13.41	105	308856	20.983	ug/l	99
86) p-Isopropyltoluene	13.52	119	292016	21.018	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	149087	21.260	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	144146	20.747	ug/l	96
89) n-Butylbenzene	13.85	91	257166	21.040	ug/l	100
90) Hexachloroethane	14.12	117	51621	21.292	ug/l	94
91) 1,2-Dichlorobenzene	13.90	146	129640	21.162	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7476	18.378	ug/l	97

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ClientSampleId :
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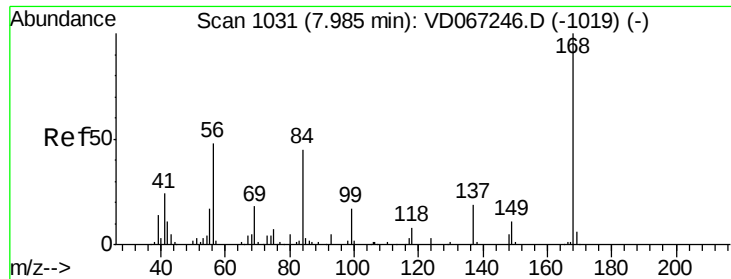
Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:27 AM

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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	88752	21.487	ug/l	96
94) Hexachlorobutadiene	15.27	225	54700	21.326	ug/l	99
95) Naphthalene	15.41	128	130256	19.208	ug/l	97
96) 1,2,3-Trichlorobenzene	15.60	180	76204	21.356	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion:168 Resp: 324381

Ion Ratio Lower Upper

168 100

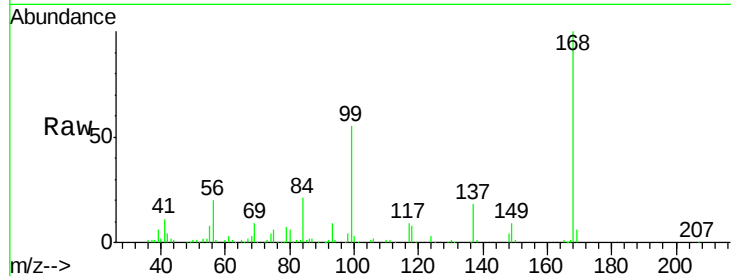
99 55.1 45.9 68.9

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

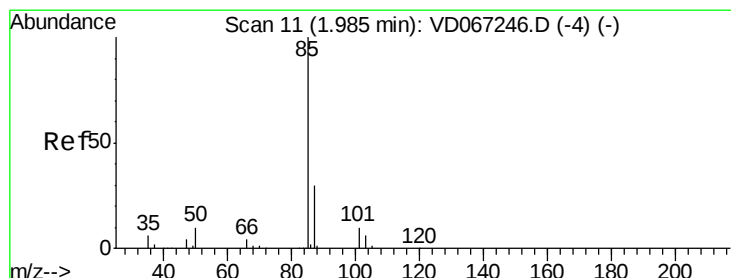
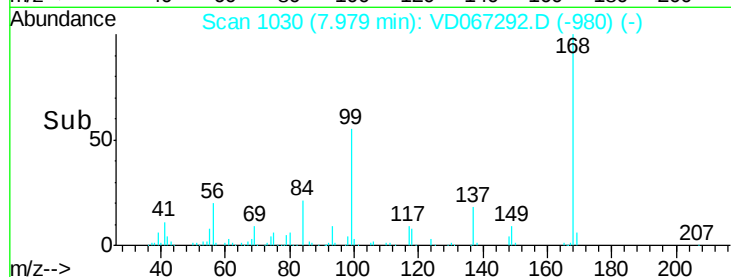
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 19.968 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067292.D

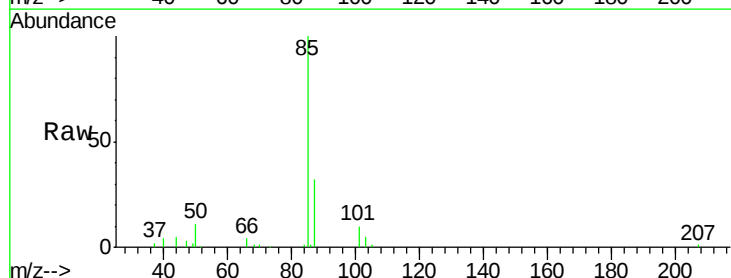
Acq: 16 Oct 2020 11:55

Tgt Ion: 85 Resp: 58830

Ion Ratio Lower Upper

85 100

87 31.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

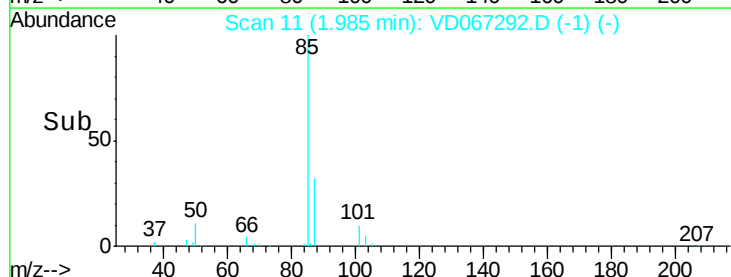
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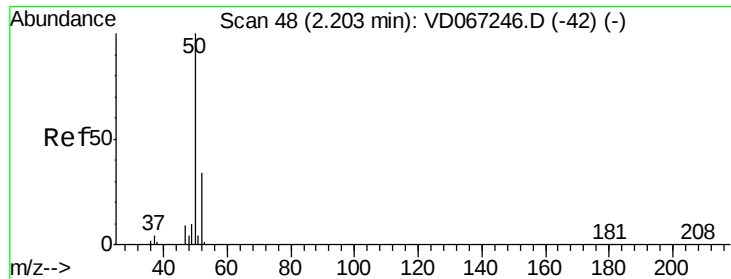
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 21.360 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 50 Resp: 43607

Ion Ratio Lower Upper

50 100

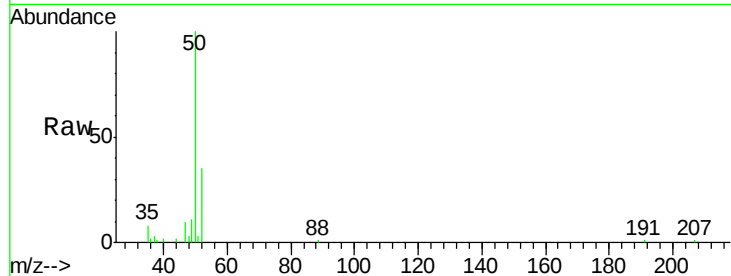
52 34.8 27.1 40.7

Manual Integrations

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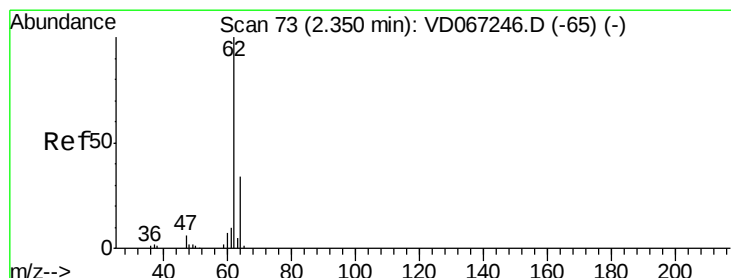
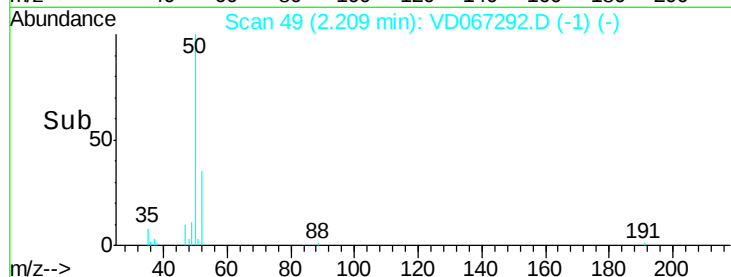
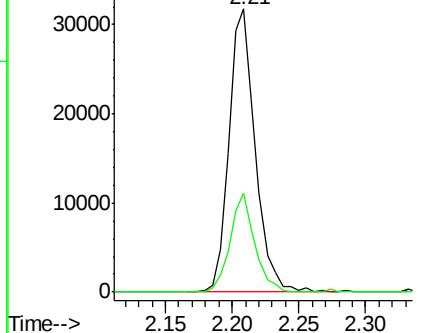
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 19.479 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067292.D

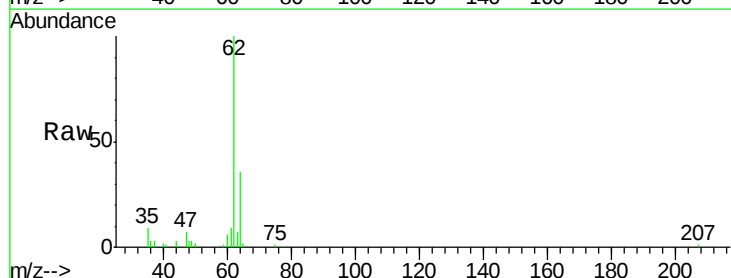
Acq: 16 Oct 2020 11:55

Tgt Ion: 62 Resp: 43632

Ion Ratio Lower Upper

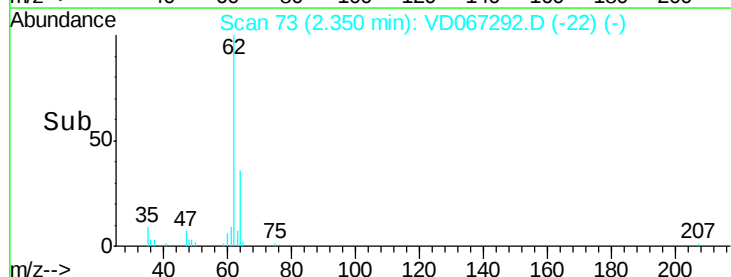
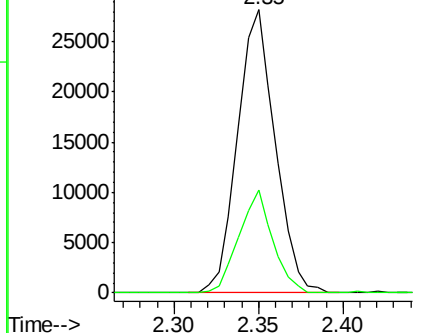
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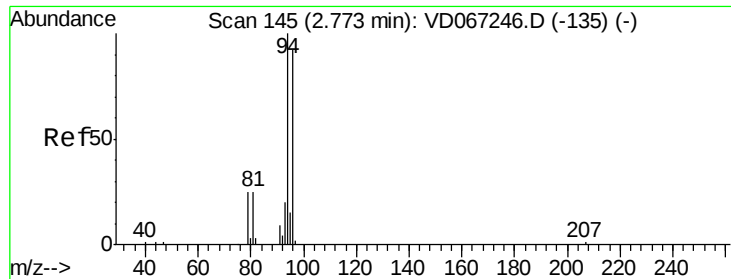
64 36.3 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 20.237 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 94 Resp: 33724

Ion Ratio Lower Upper

94 100

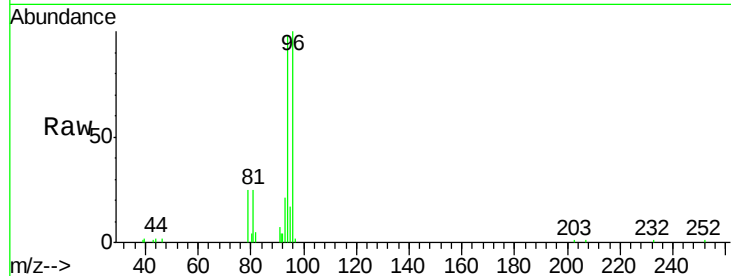
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Manual Integrations

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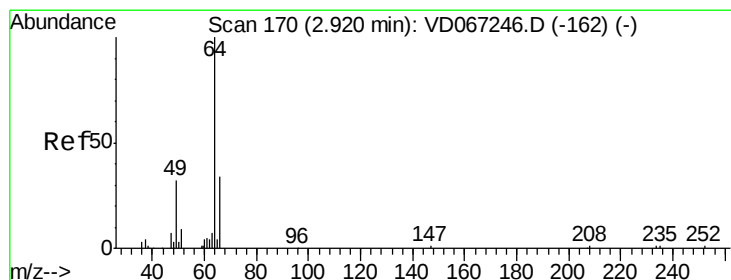
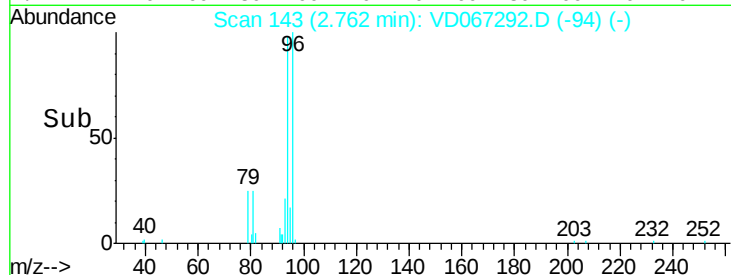
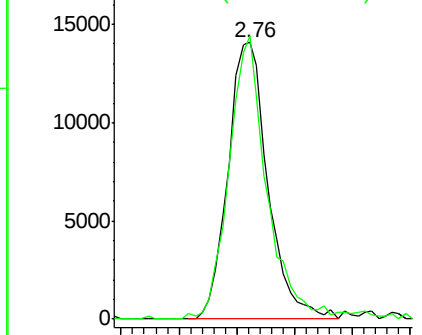
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.113 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067292.D

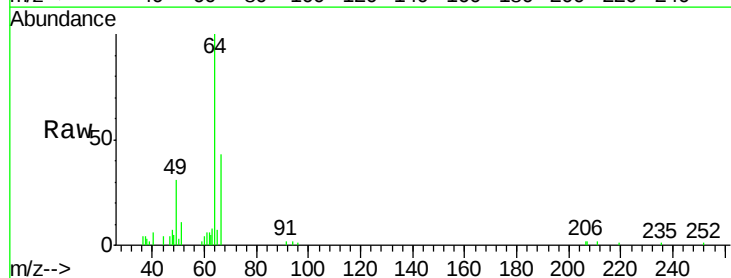
Acq: 16 Oct 2020 11:55

Tgt Ion: 64 Resp: 28057

Ion Ratio Lower Upper

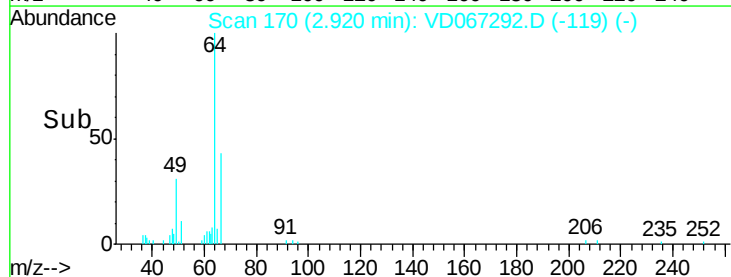
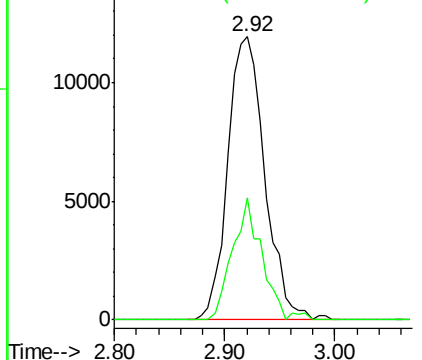
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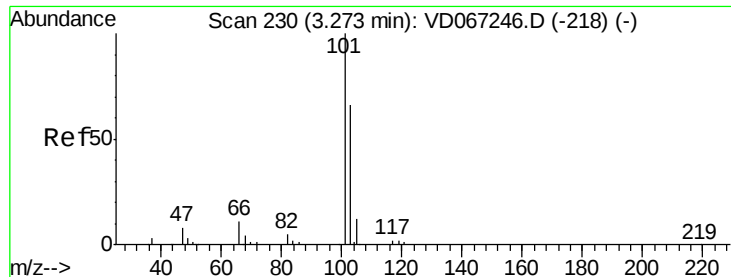
66 43.3 27.4 41.0#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

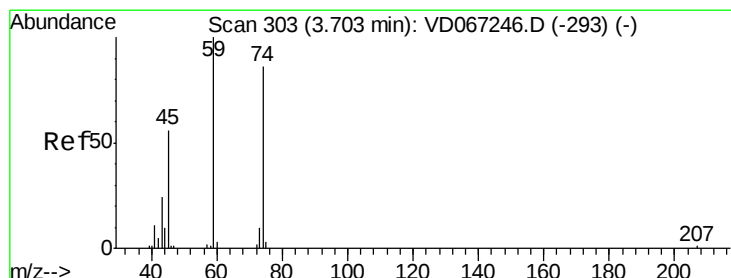
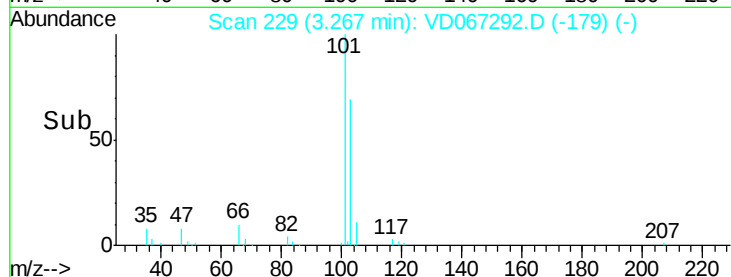
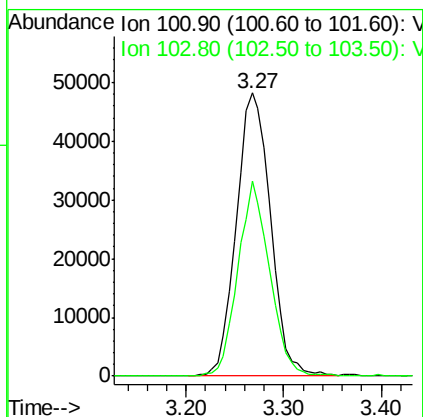
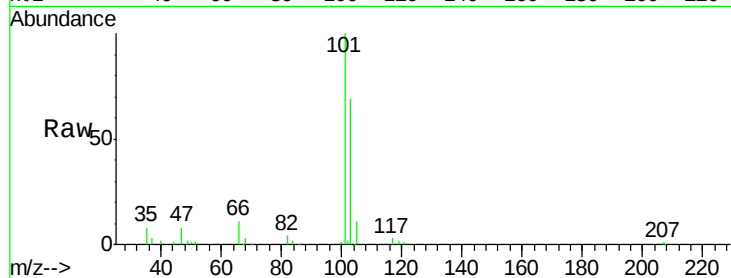
Trichlorofluoromethane
Concen: 20.836 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

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VD1016SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	69.0	53.1	79.7

Manual Integrations
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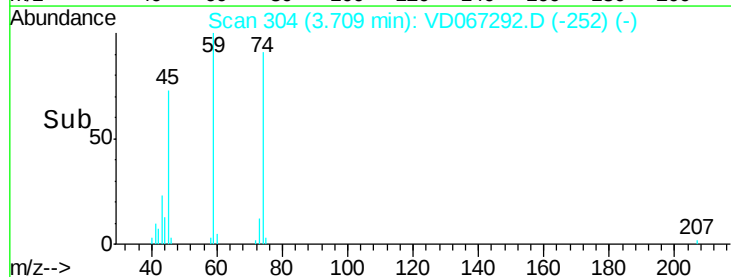
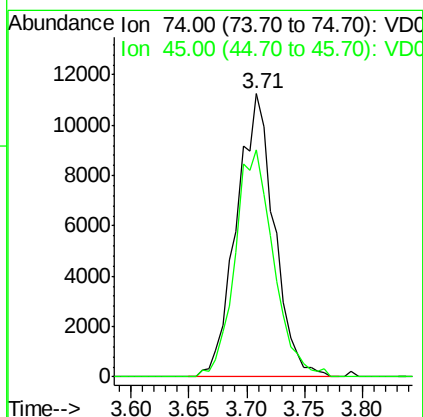
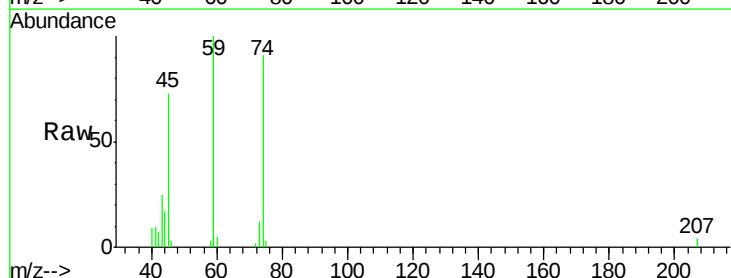
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10/19/2020 11:09:27 AM

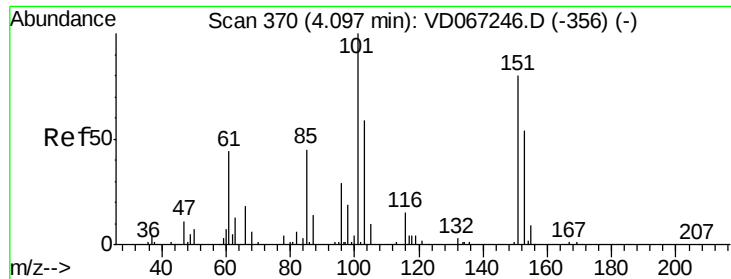


#8

Diethyl Ether
Concen: 19.791 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
74	100		
45	81.7	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.376 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

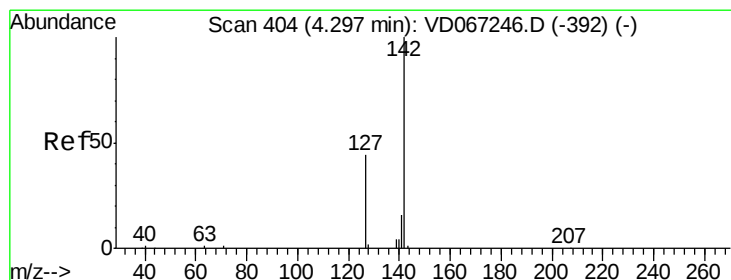
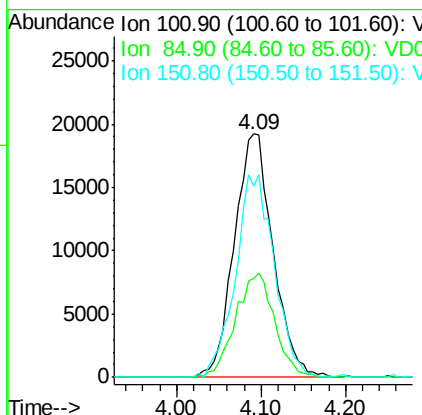
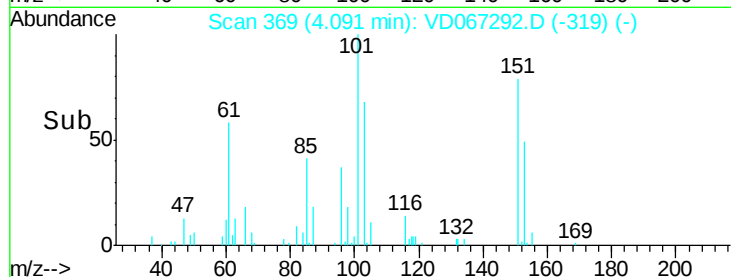
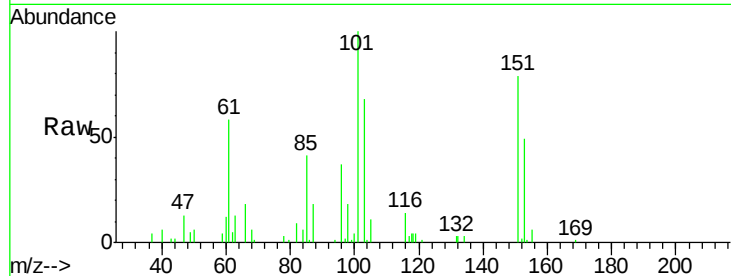
ClientSampleId :

VD1016SBS01

Tot Ion:	101	Resp:	61062
Ion Ratio	Lower	Upper	
101	100		
85	43.0	34.2	51.4
151	83.5	66.3	99.5

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#10

Methyl Iodide

Concen: 17.586 ug/l

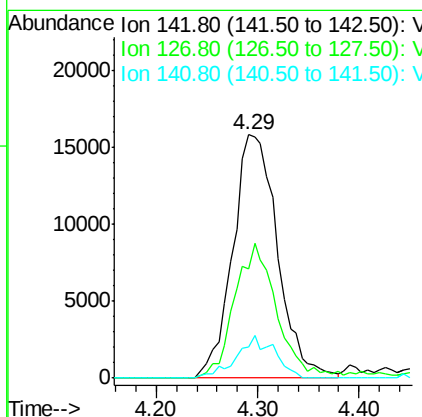
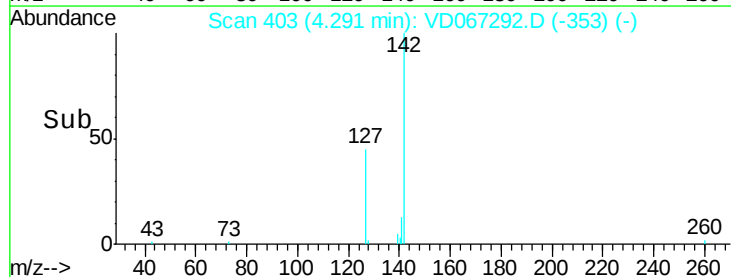
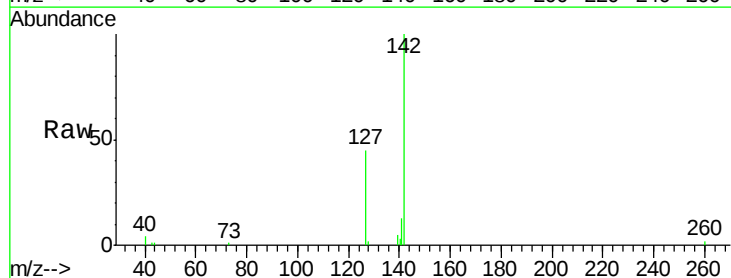
RT: 4.29 min Scan# 403

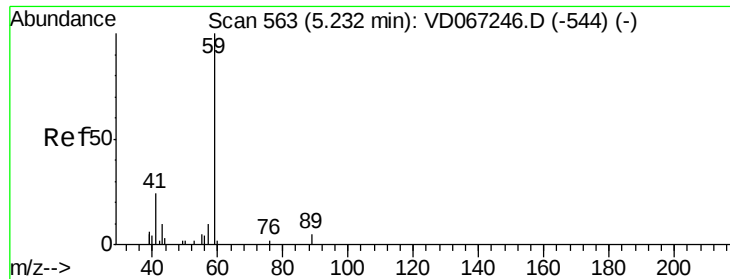
Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion:	142	Resp:	48615
Ion Ratio	Lower	Upper	
142	100		
127	52.2	38.4	57.6
141	14.7	11.6	17.4





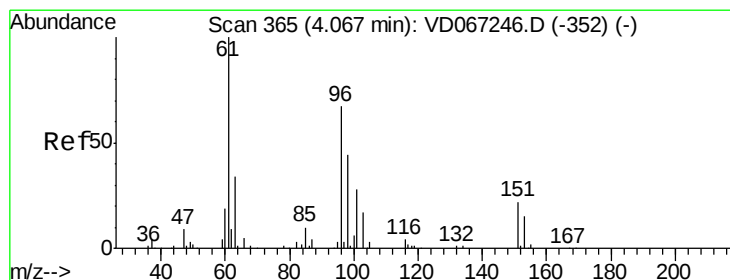
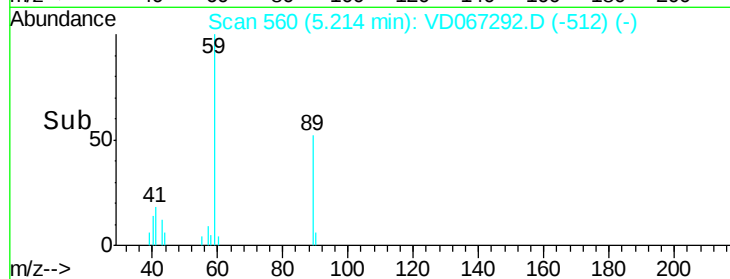
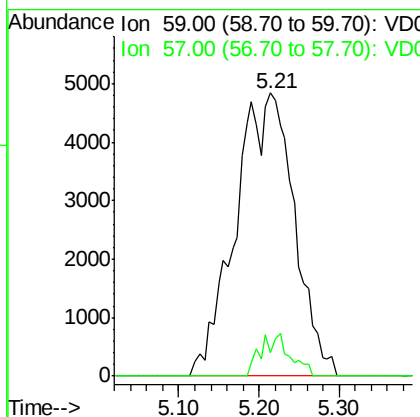
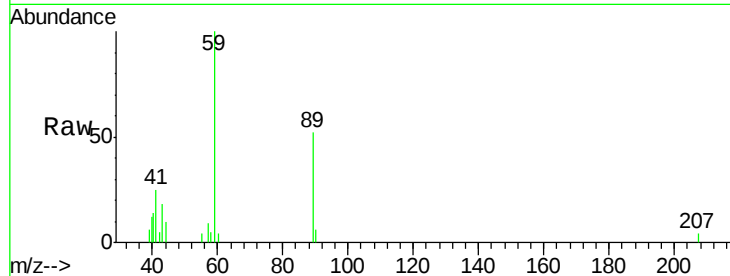
#11
Tert butyl alcohol
Concen: 122.806 ug/l m
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 59 Resp: 24669
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#

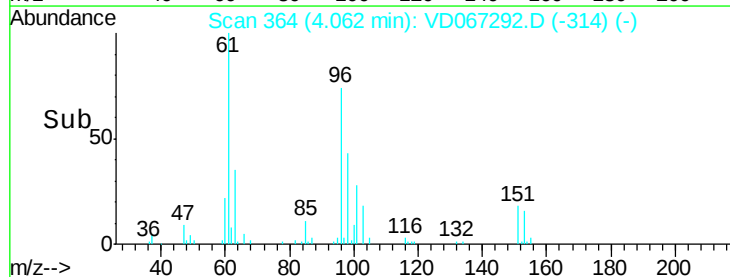
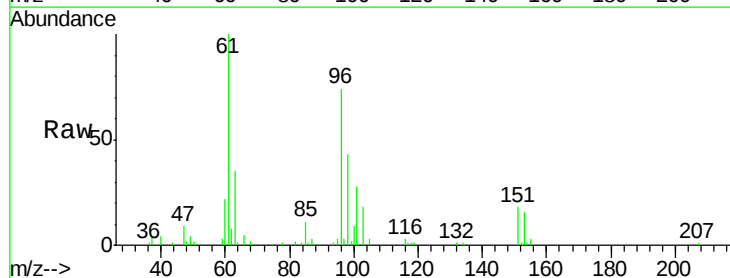
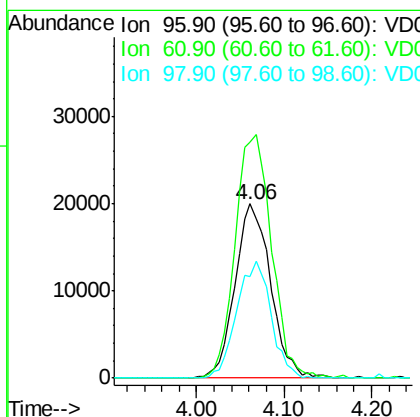
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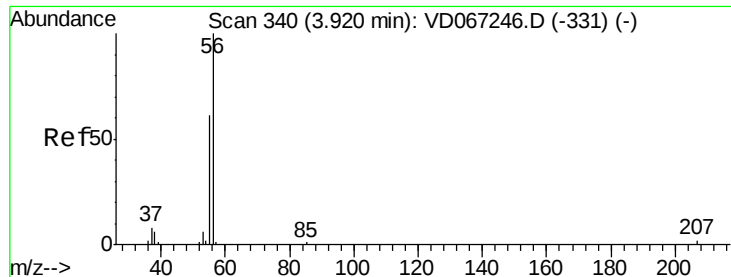
MMDadoda
10/19/2020 11:09:27 AM



#12
1,1-Dichloroethene
Concen: 20.537 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 96 Resp: 54982
Ion Ratio Lower Upper
96 100
61 135.4 118.6 177.8
98 58.7 51.8 77.6





#13

Acrolein

Concen: 77.722 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 56 Resp: 11921

Ion Ratio Lower Upper

56 100

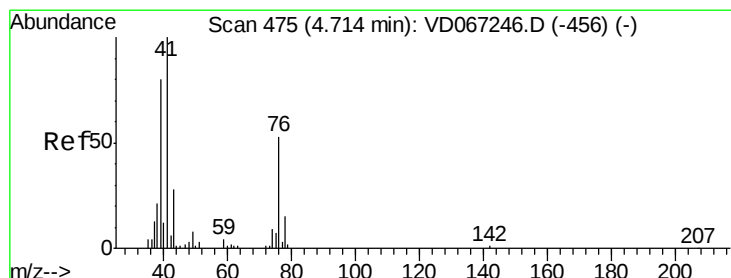
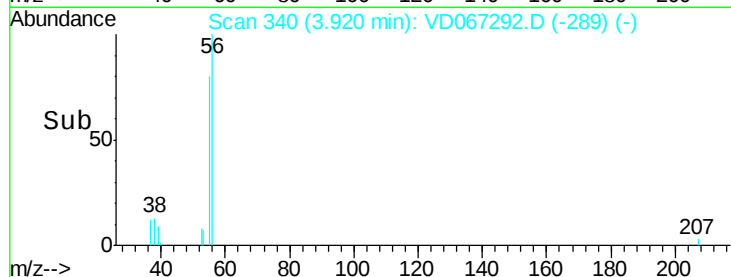
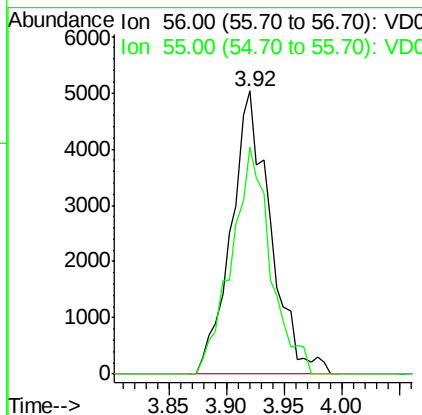
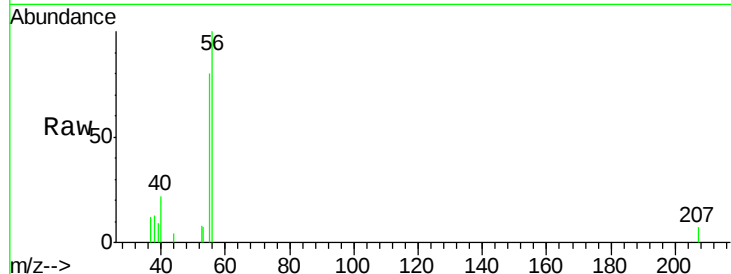
55 79.8 56.0 84.0

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#14

Allyl chloride

Concen: 19.883 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

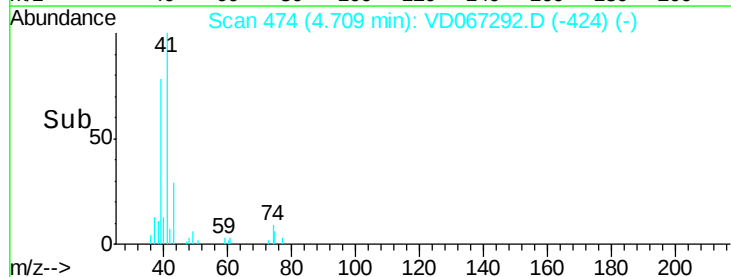
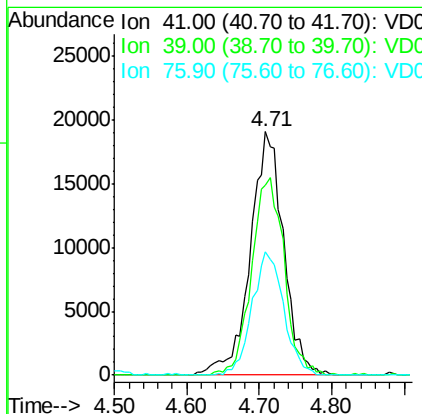
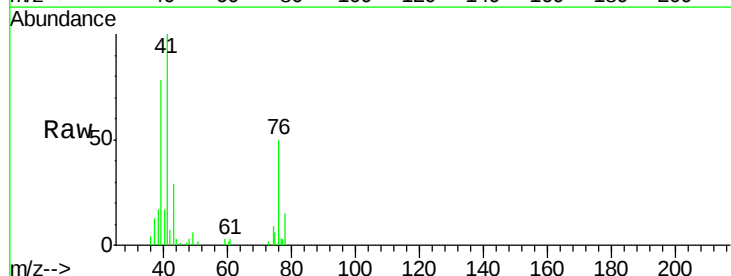
Tgt Ion: 41 Resp: 60959

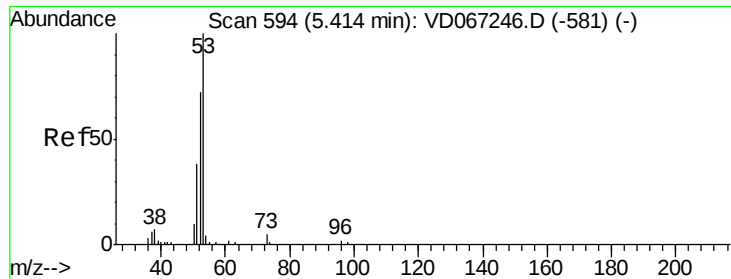
Ion Ratio Lower Upper

41 100

39 79.1 63.8 95.6

76 47.9 40.4 60.6





#15

Acrylonitrile

Concen: 103.177 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

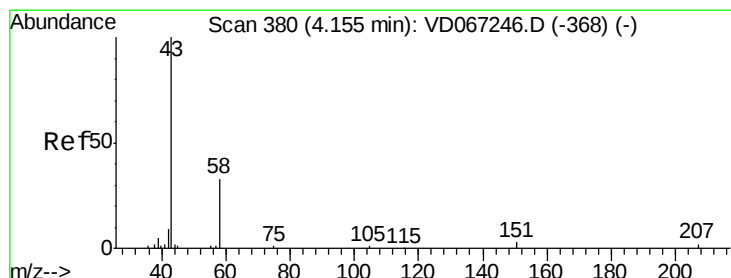
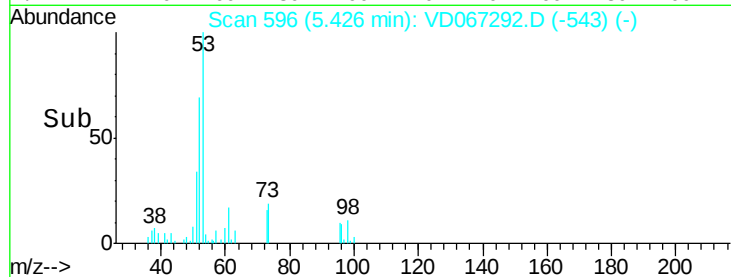
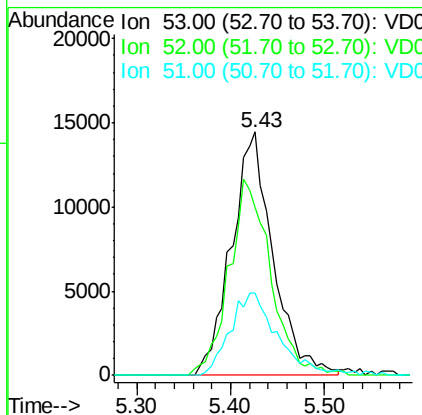
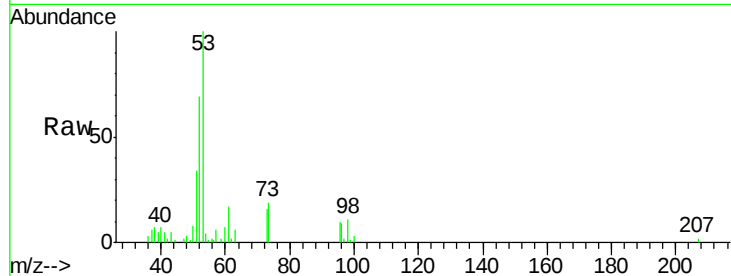
ClientSampleId :

VD1016SBS01

Tot Ion:	53	Resp:	44434
Ion	Ratio	Lower	Upper
53	100		
52	80.2	65.6	98.4
51	38.8	30.8	46.2

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#16

Acetone

Concen: 106.390 ug/l

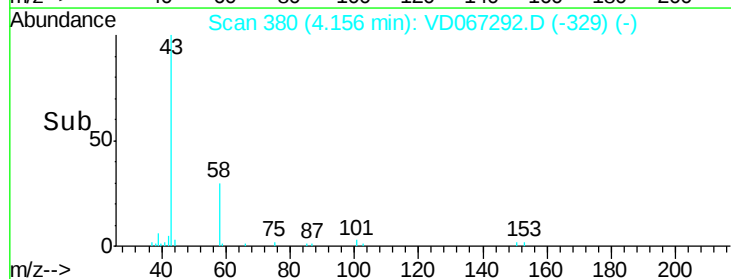
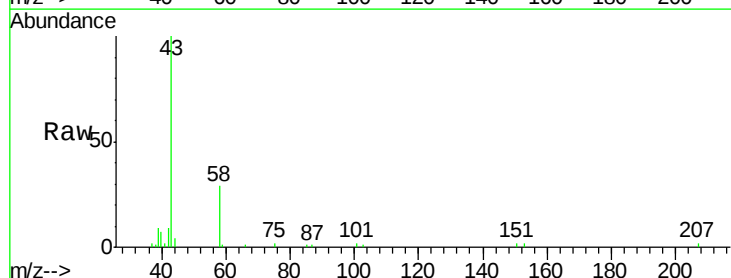
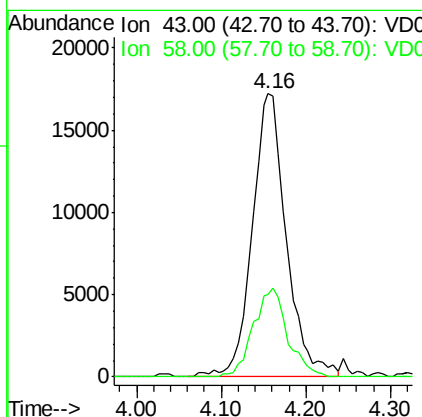
RT: 4.16 min Scan# 380

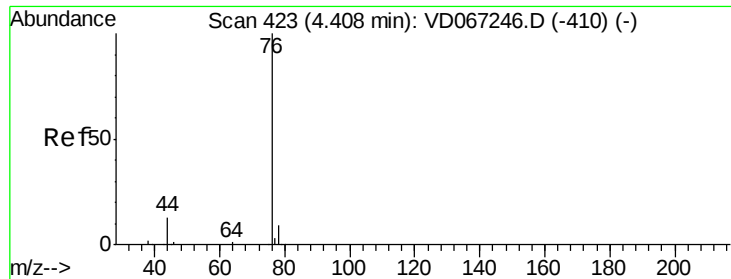
Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion:	43	Resp:	48422
Ion	Ratio	Lower	Upper
43	100		
58	29.8	26.1	39.1





#17

Carbon Disulfide

Concen: 19.637 ug/l

RT: 4.40 min Scan# 421

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 76 Resp: 149874

Ion Ratio Lower Upper

76 100

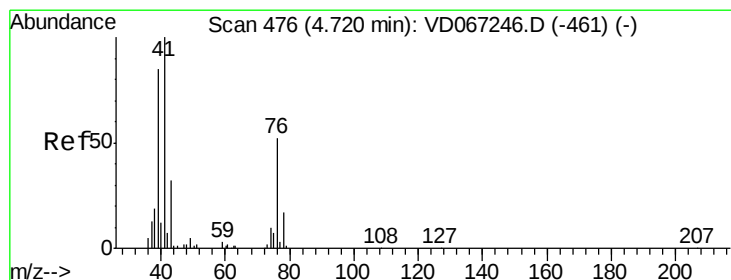
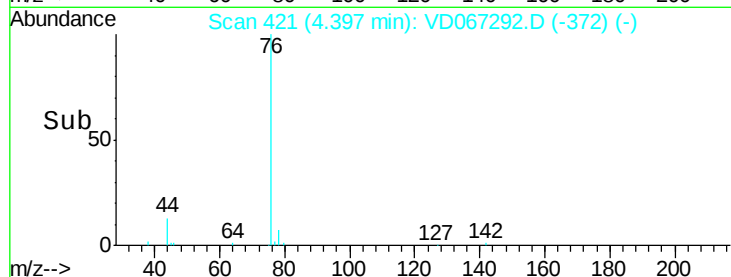
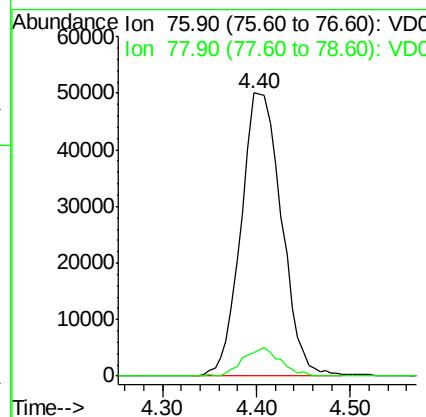
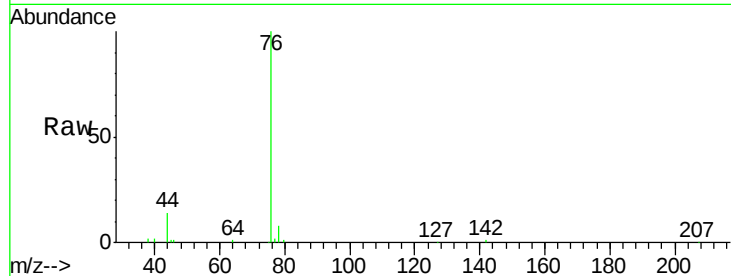
78 8.3 7.4 11.0

Manual Integrations

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#18

Methyl Acetate

Concen: 19.692 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067292.D

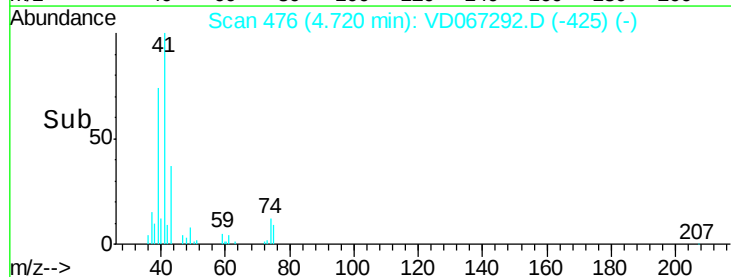
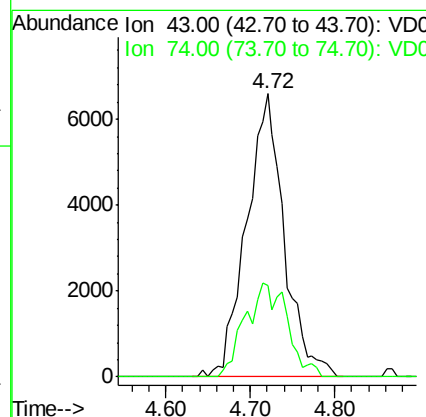
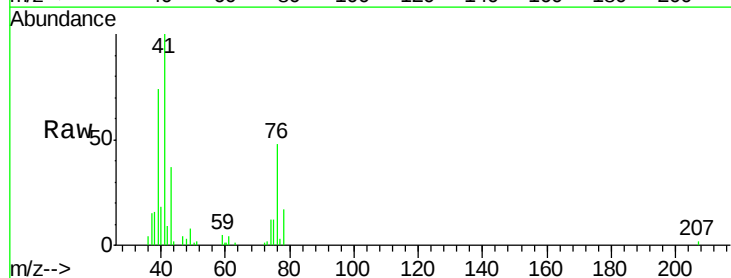
Acq: 16 Oct 2020 11:55

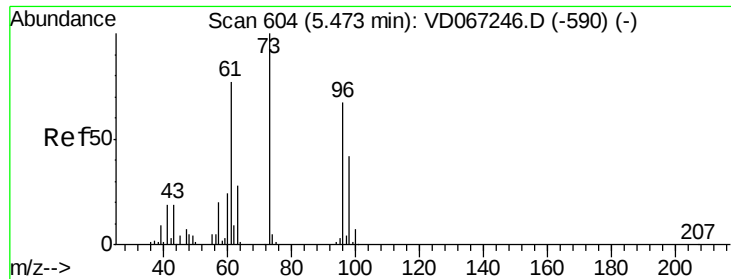
Tgt Ion: 43 Resp: 20442

Ion Ratio Lower Upper

43 100

74 36.8 26.6 39.8





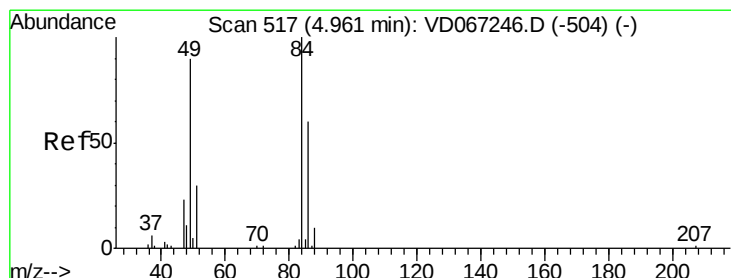
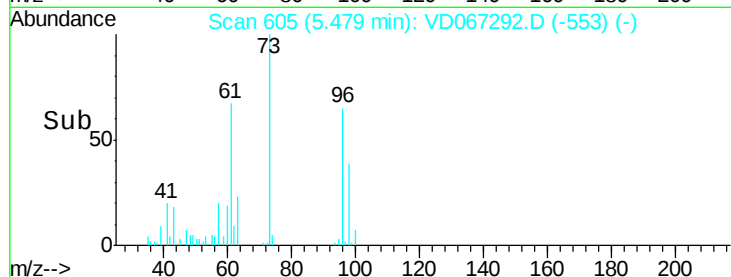
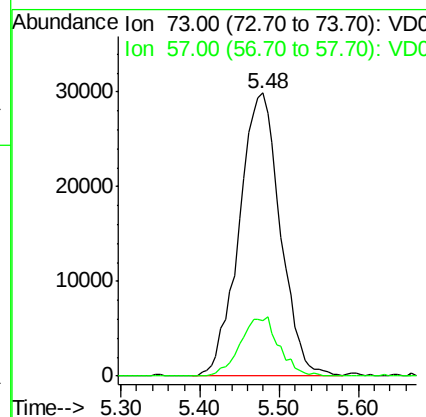
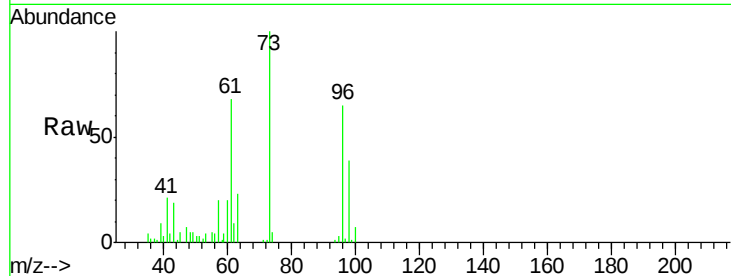
#19
Methyl tert-butyl Ether
Concen: 20.246 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 73 Resp: 107774
Ion Ratio Lower Upper
73 100
57 19.8 15.7 23.5

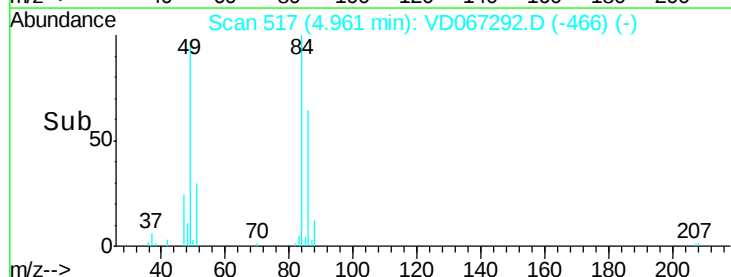
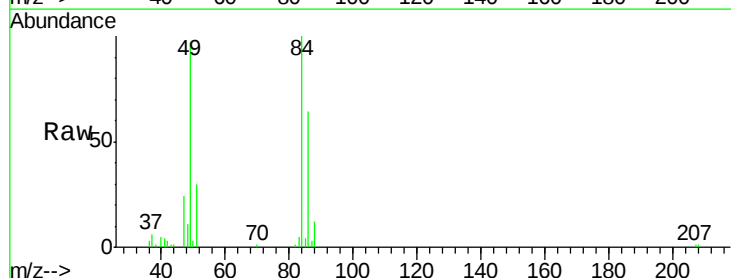
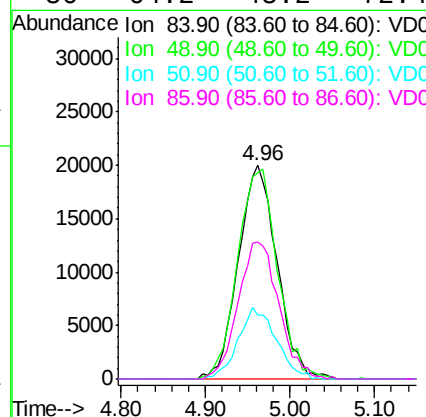
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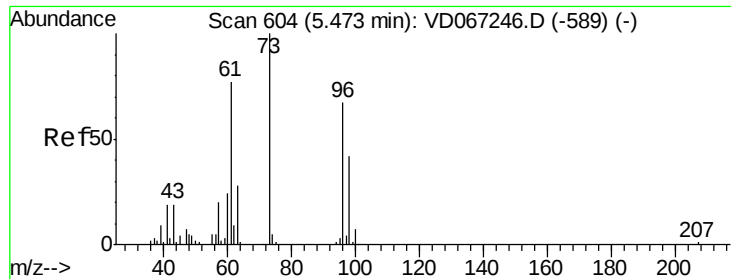
MMDadoda
10/19/2020 11:09:27 AM



#20
Methylene Chloride
Concen: 18.956 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 84 Resp: 63389
Ion Ratio Lower Upper
84 100
49 96.6 72.2 108.2
51 30.3 23.8 35.8
86 64.2 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.173 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

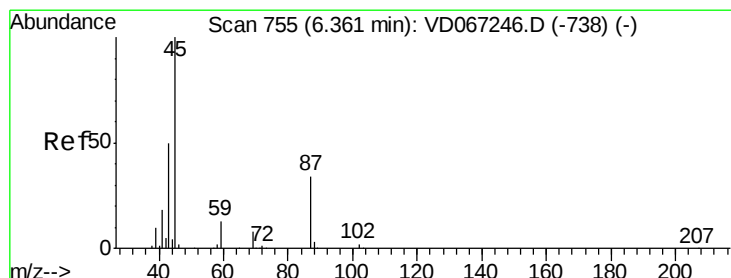
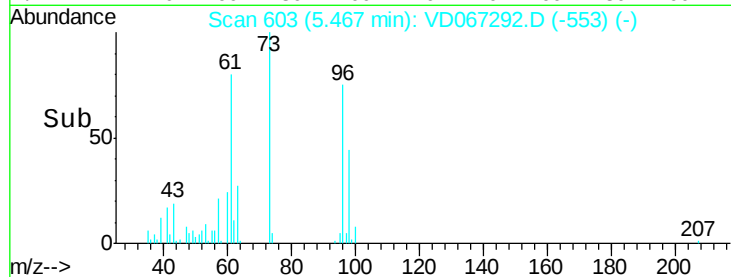
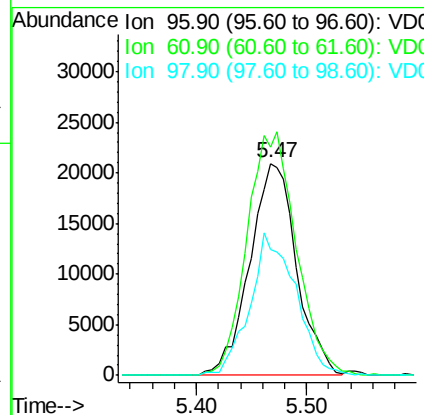
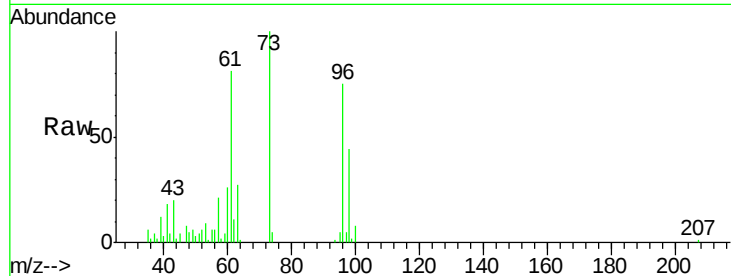
ClientSampleId :

VD1016SBS01

Tot Ion:	96	Resp:	62149
Ion	Ratio	Lower	Upper
96	100		
61	107.6	92.0	138.0
98	59.1	49.8	74.8

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#22

Diisopropyl ether

Concen: 21.392 ug/l

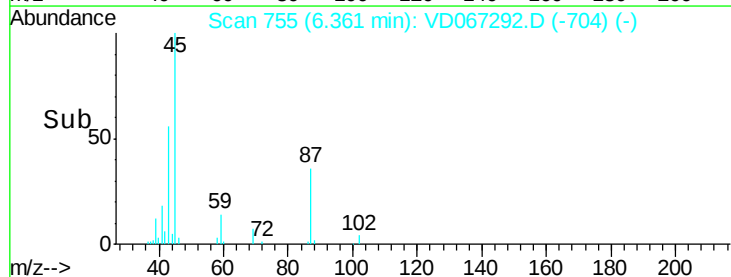
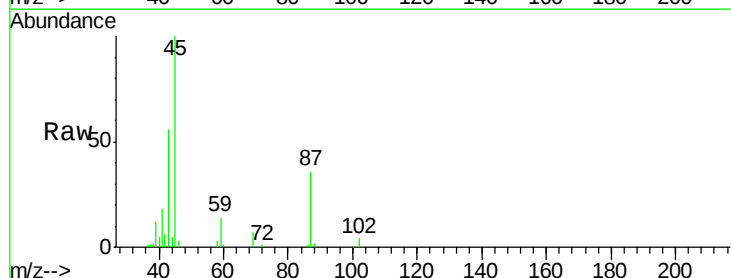
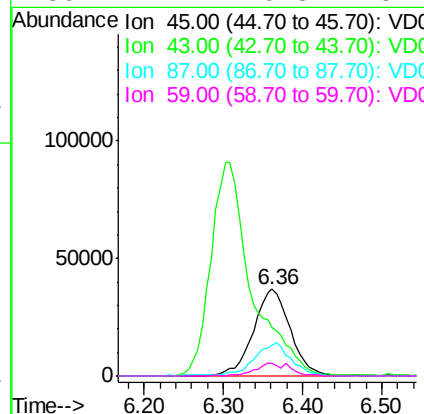
RT: 6.36 min Scan# 755

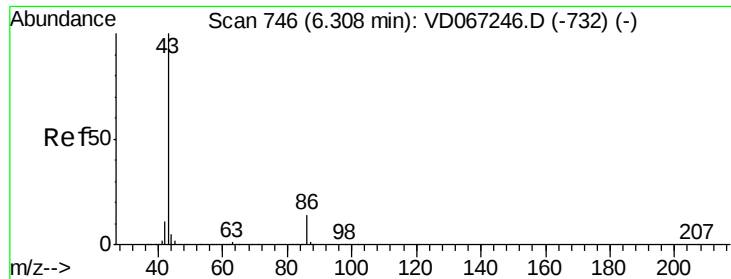
Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion:	45	Resp:	119806
Ion	Ratio	Lower	Upper
45	100		
43	54.5	48.0	72.0
87	36.0	28.5	42.7
59	14.2	10.5	15.7





#23

Vinyl Acetate

Concen: 102.134 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 43 Resp: 325431

Ion Ratio Lower Upper

43 100

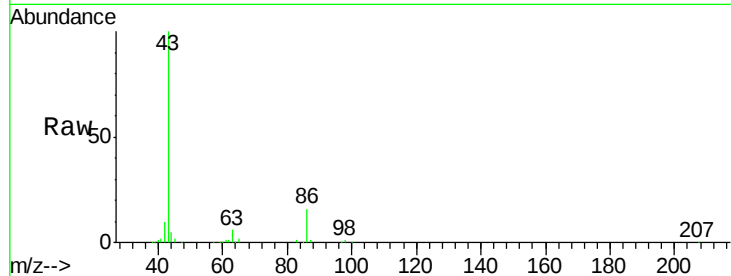
86 15.9 11.0 16.6

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

100000

80000

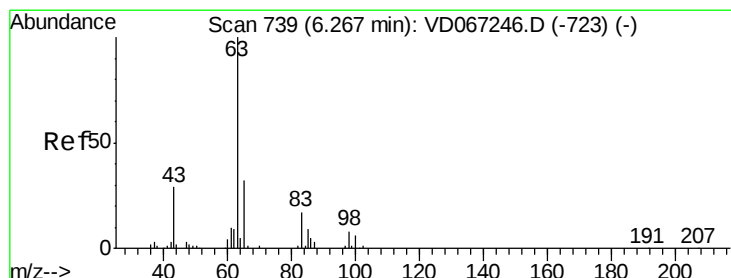
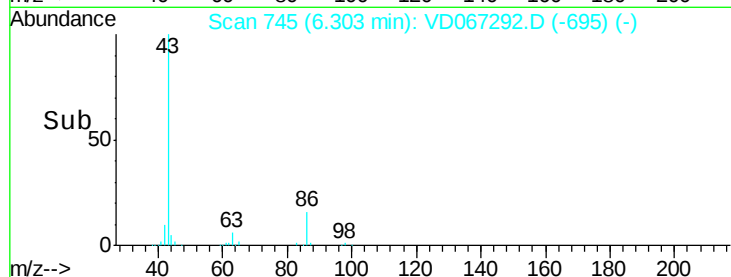
60000

40000

20000

0

Time-->



#24

1,1-Dichloroethane

Concen: 21.046 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

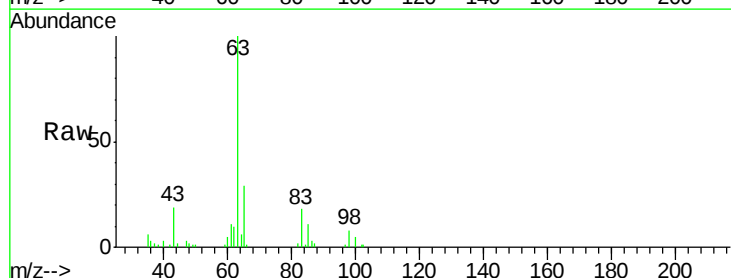
Tgt Ion: 63 Resp: 100897

Ion Ratio Lower Upper

63 100

98 8.3 4.0 12.2

100 5.5 2.8 8.4



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

40000

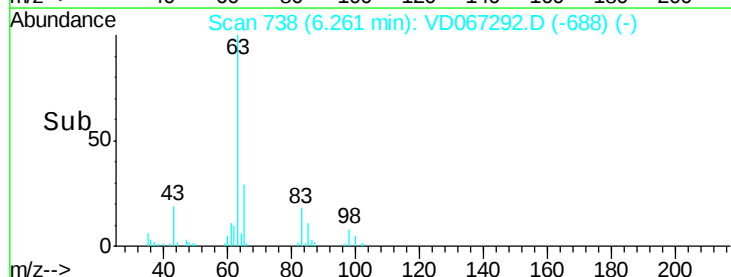
30000

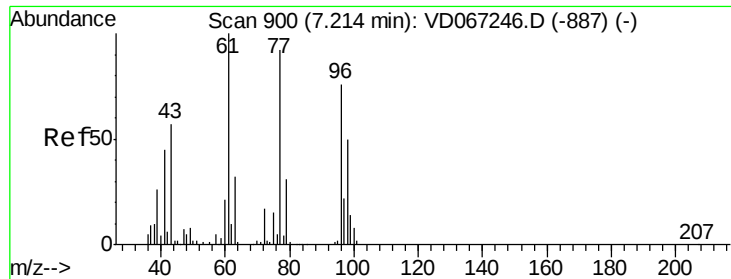
20000

10000

0

Time-->





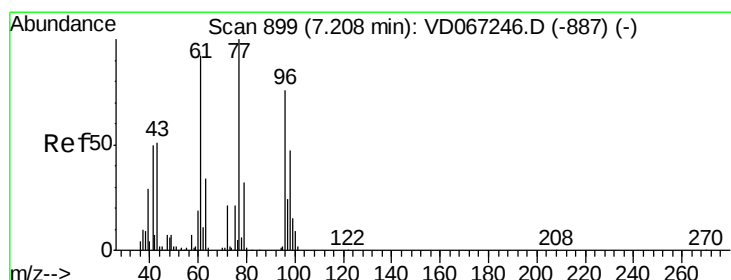
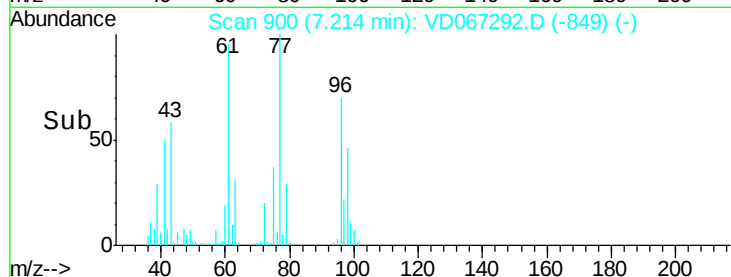
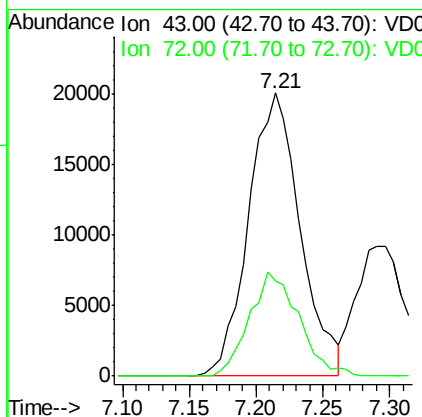
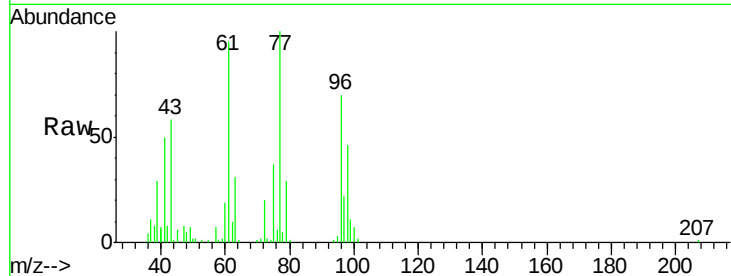
#25
2-Butanone
Concen: 103.978 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 43 Resp: 53945
Ion Ratio Lower Upper
43 100
72 33.5 23.7 35.5

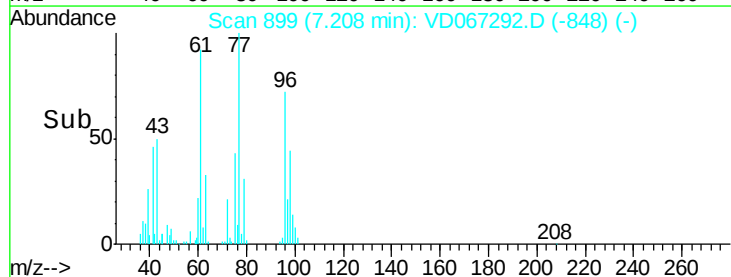
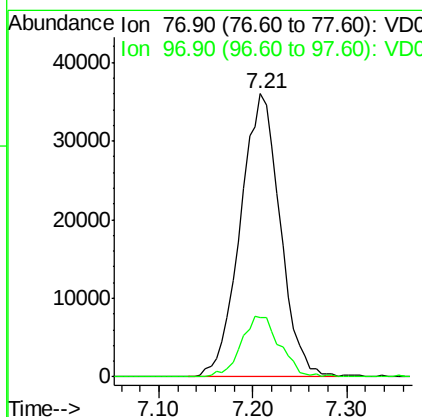
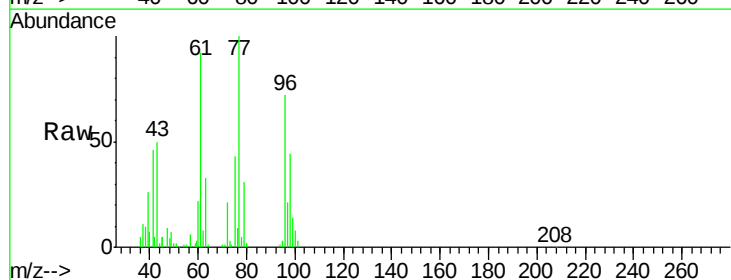
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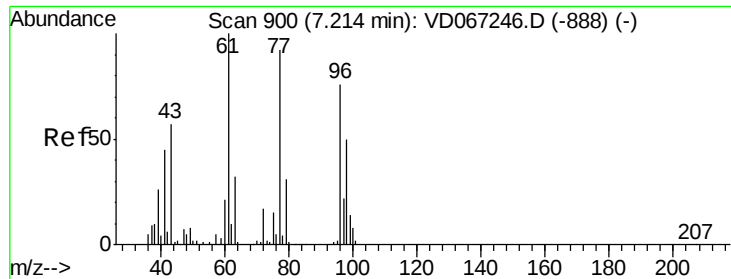
MMDadoda
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#26
2,2-Dichloropropane
Concen: 21.317 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 77 Resp: 105339
Ion Ratio Lower Upper
77 100
97 20.9 11.4 34.2





#27

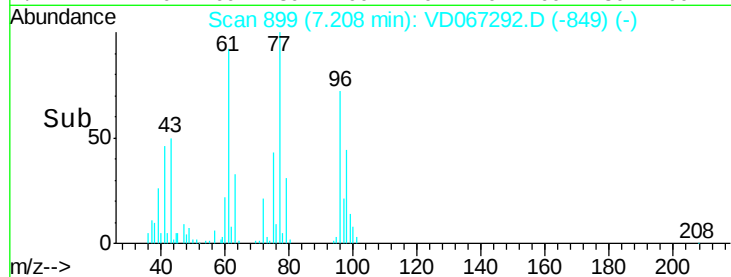
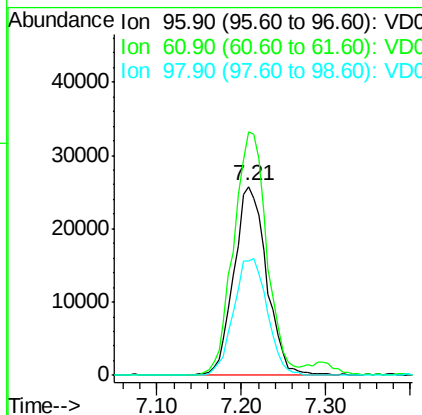
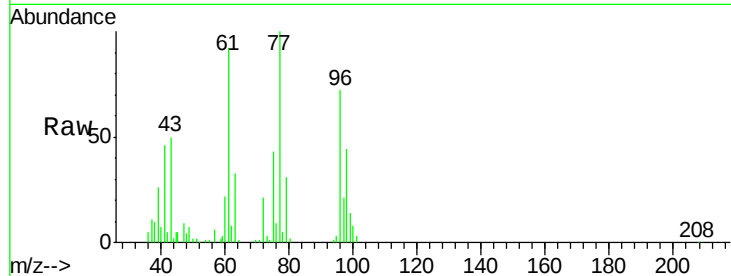
cis-1,2-Dichloroethene
Concen: 20.388 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	68840		
61	130.6		0.0	255.4
98	63.7		0.0	128.0

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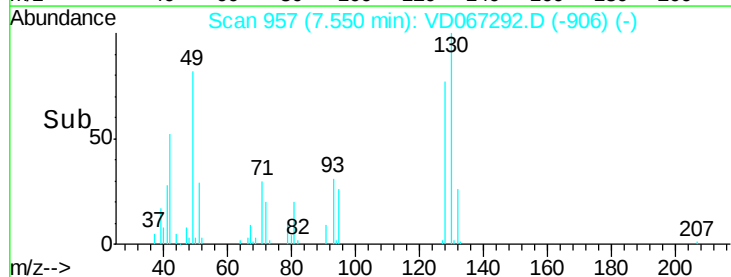
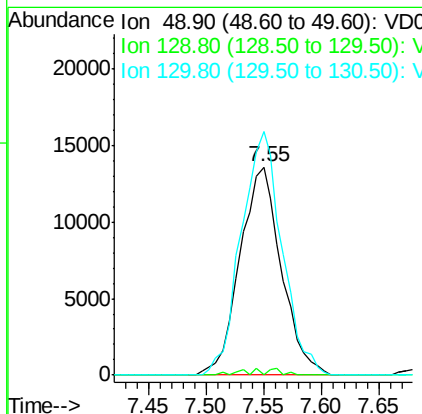
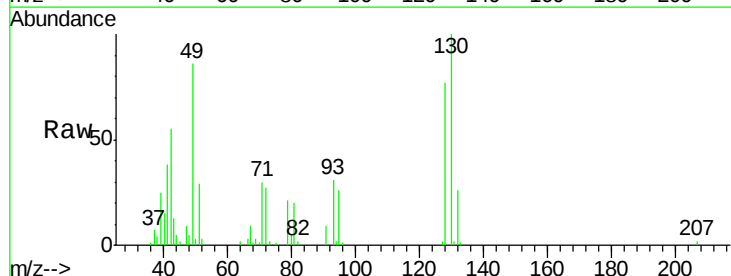
MMDadoda
10/19/2020 11:09:27 AM

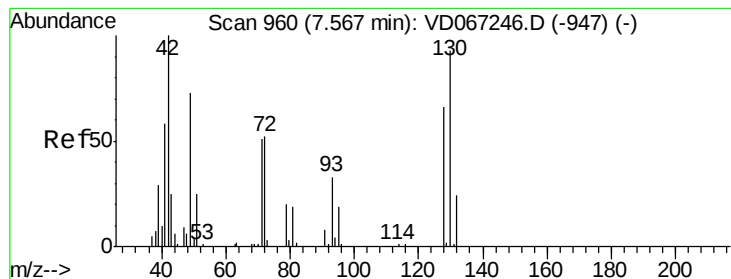


#28

Bromochloromethane
Concen: 20.717 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	33877		
129	0.4		0.0	1.6
130	115.5		91.0	136.6





#29

Tetrahydrofuran

Concen: 105.681 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

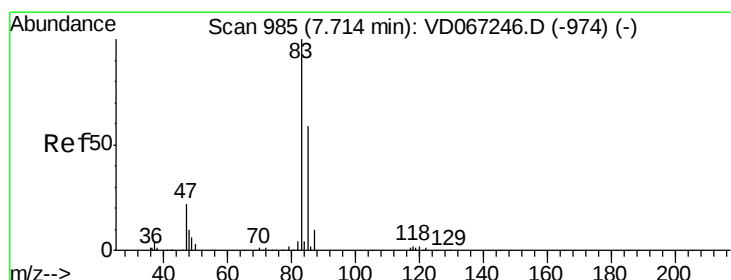
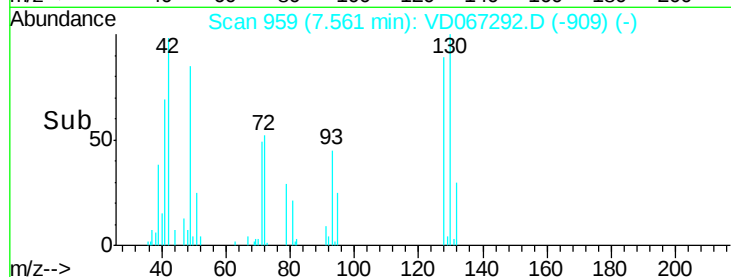
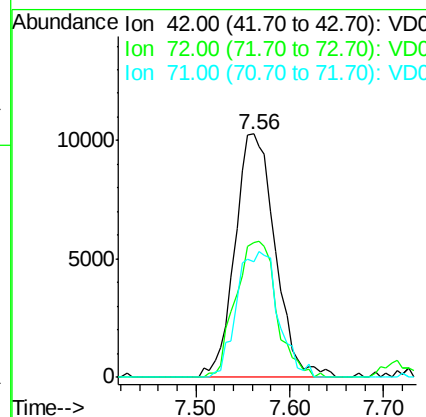
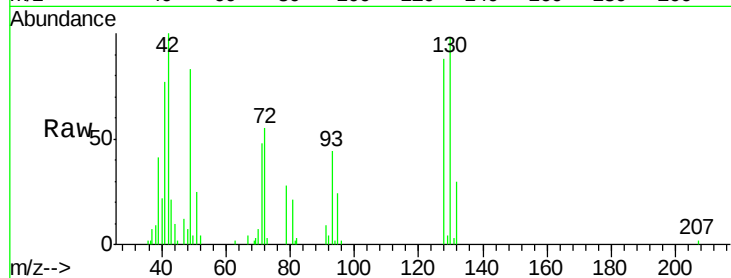
ClientSampleId :

VD1016SBS01

Tot Ion:	42	Resp:	30478
Ion	Ratio	Lower	Upper
42	100		
72	56.8	43.2	64.8
71	53.2	39.4	59.0

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#30

Chloroform

Concen: 21.107 ug/l

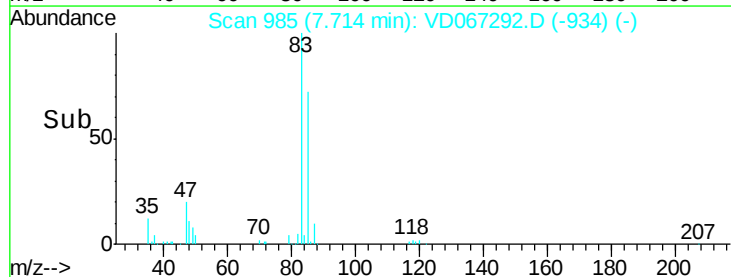
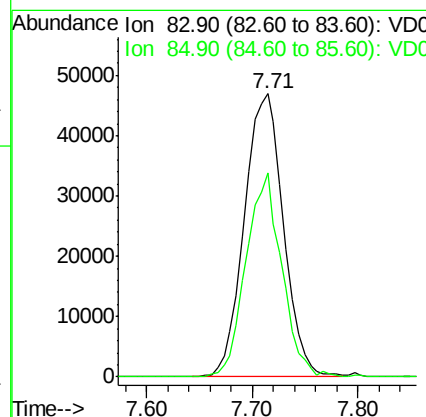
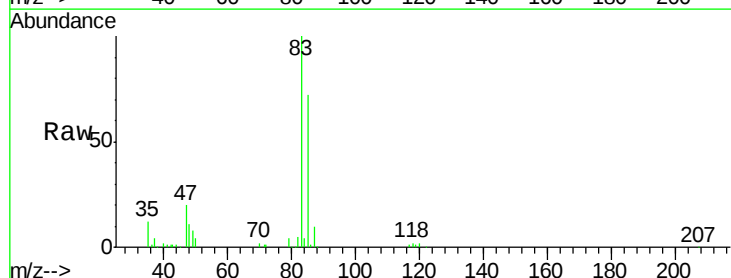
RT: 7.71 min Scan# 985

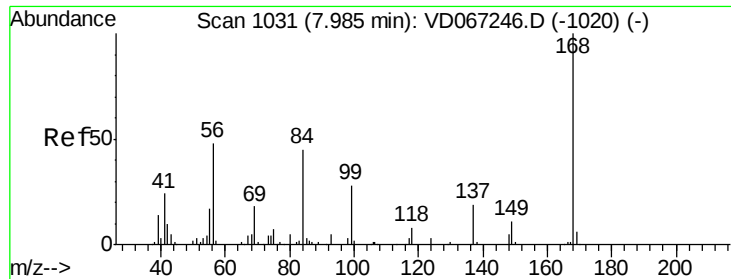
Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion:	83	Resp:	120881
Ion	Ratio	Lower	Upper
83	100		
85	72.1	47.3	70.9#





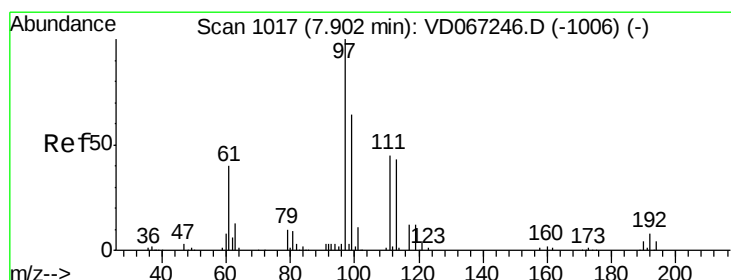
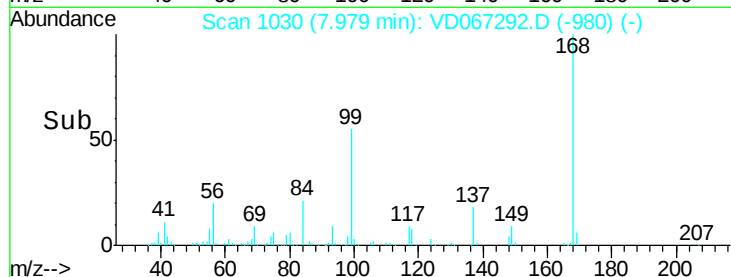
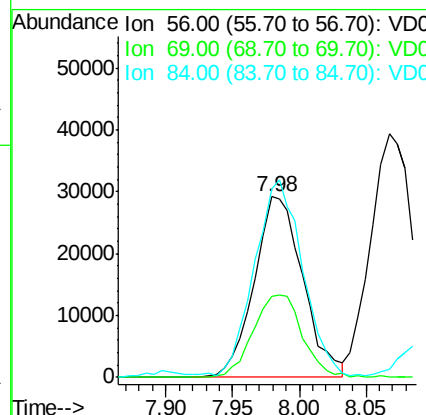
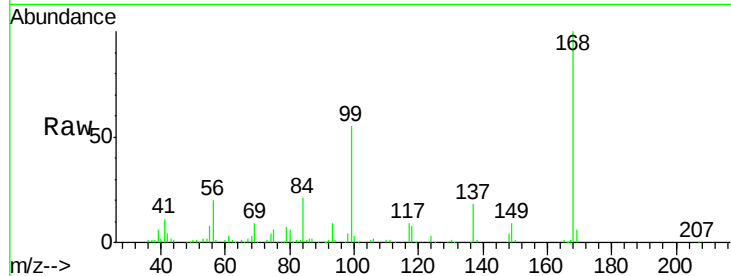
#31
Cyclohexane
Concen: 19.798 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	45.1	29.8	44.6#
84	102.8	76.6	114.8

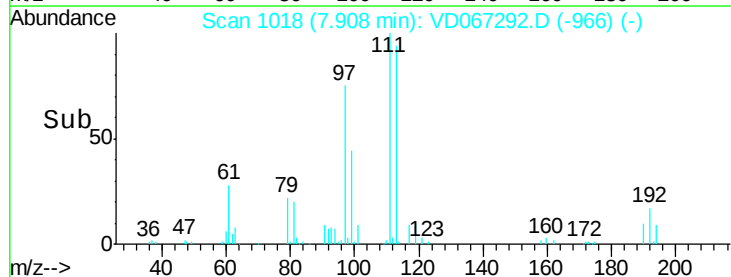
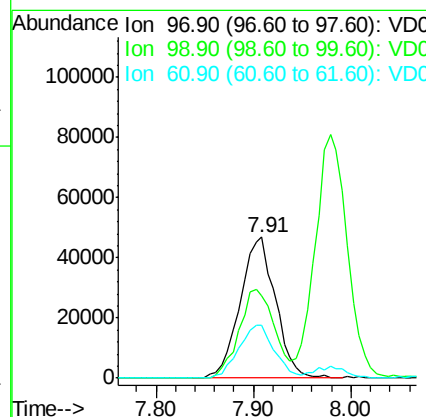
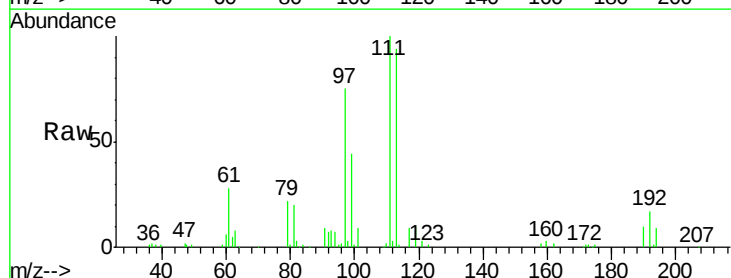
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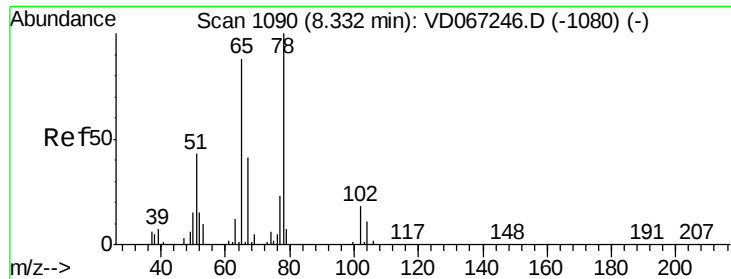
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#32
1,1,1-Trichloroethane
Concen: 21.002 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.1	50.2	75.4
61	38.1	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 48.681 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 65 Resp: 158204

Ion Ratio Lower Upper

65 100

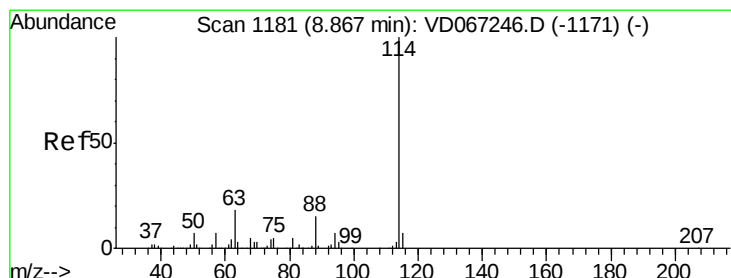
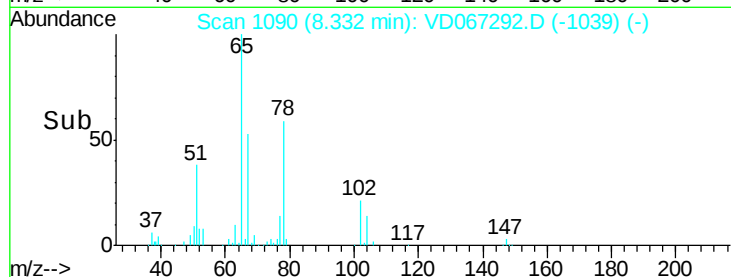
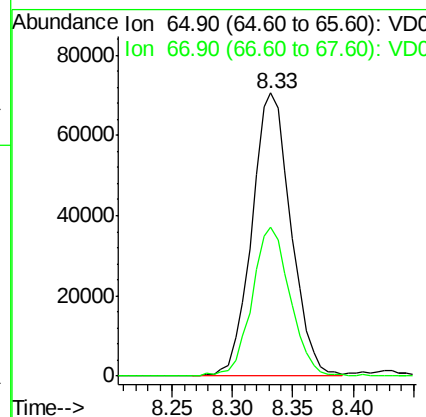
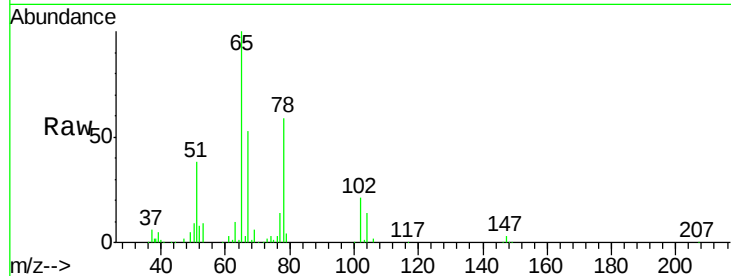
67 51.4 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

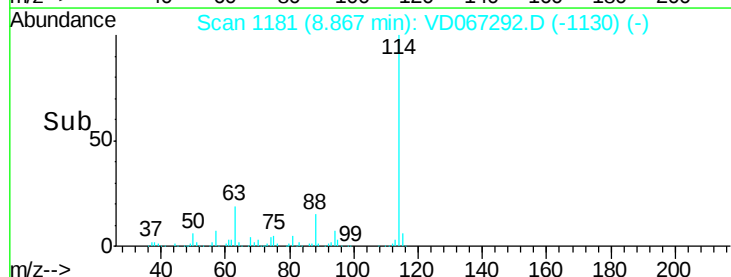
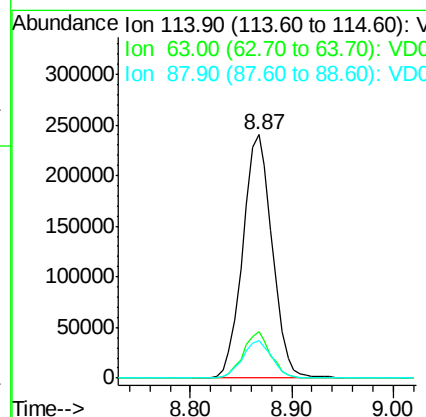
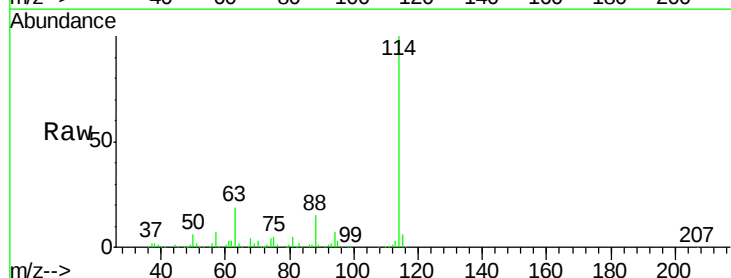
Tgt Ion: 114 Resp: 485030

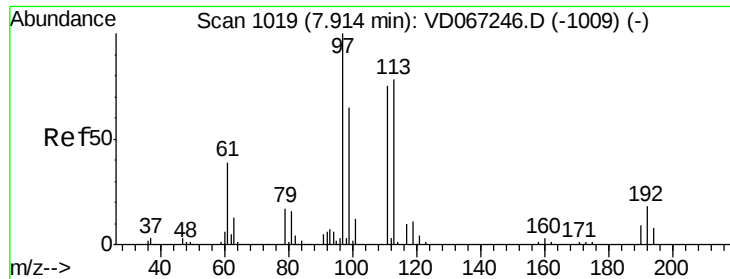
Ion Ratio Lower Upper

114 100

63 19.2 0.0 35.0

88 15.3 0.0 30.6





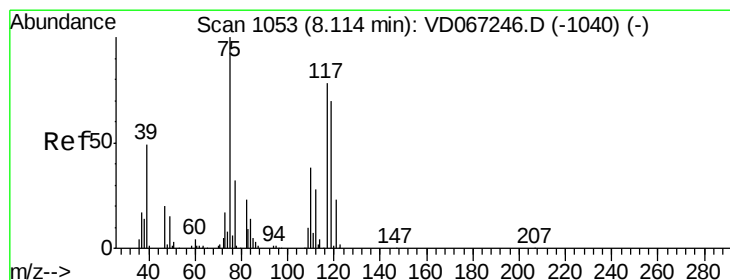
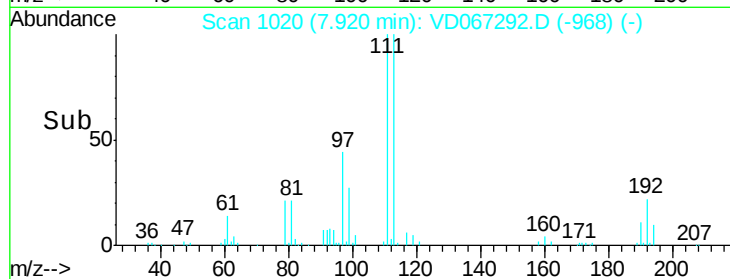
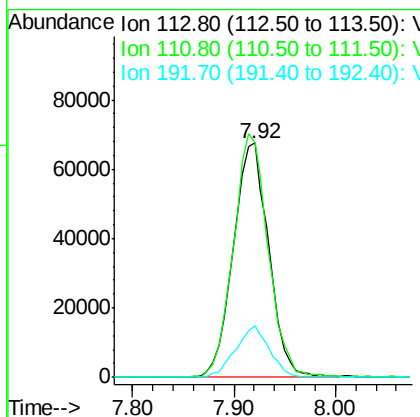
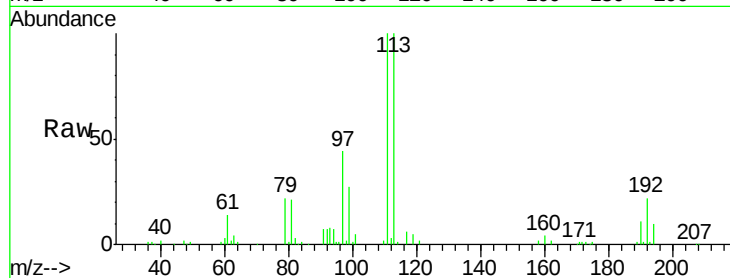
#35
 Dibromofluoromethane
 Concen: 50.690 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	163621		
111	102.4	81.6	122.4	
192	20.9	17.0	25.4	

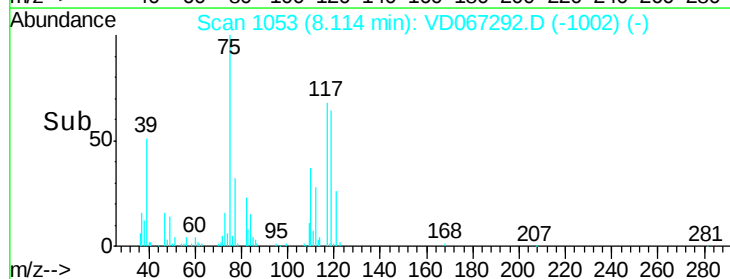
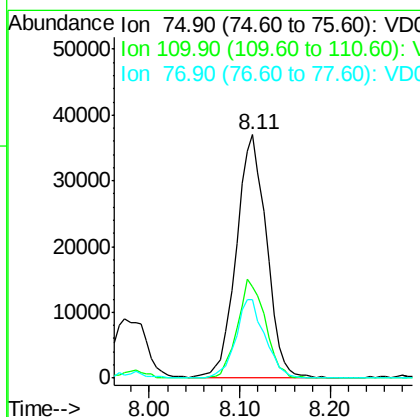
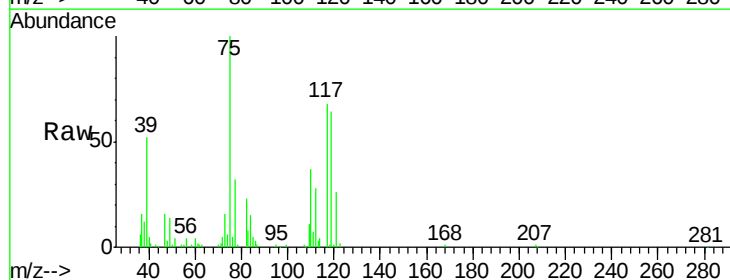
Manual Integrations
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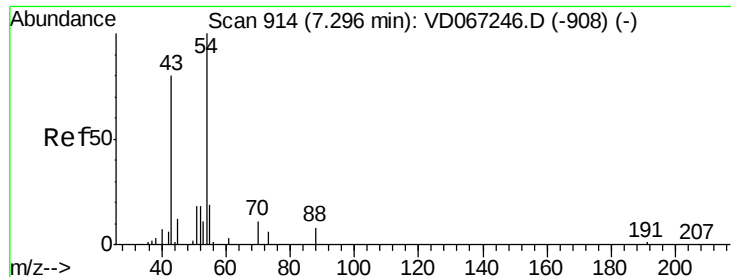
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#36
 1,1-Dichloropropene
 Concen: 20.894 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	85895		
110	37.3	19.6	58.7	
77	31.2	24.6	37.0	





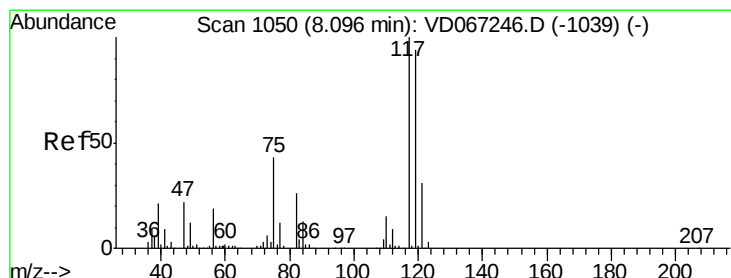
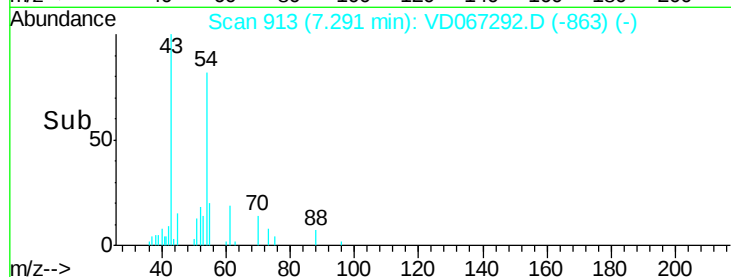
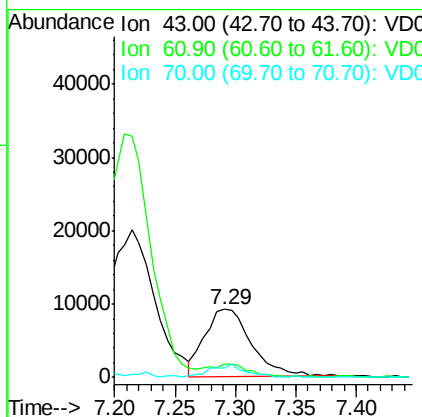
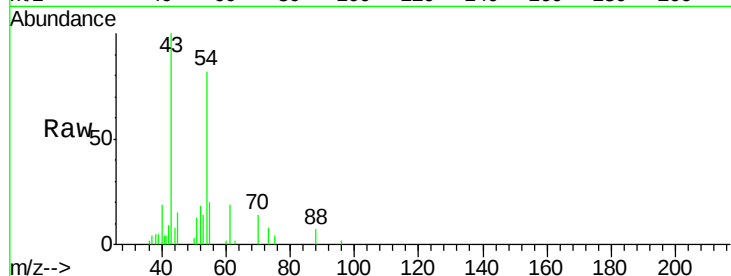
#37
Ethyl Acetate
Concen: 20.230 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.6	15.6	23.4#
70	14.3	10.4	15.6

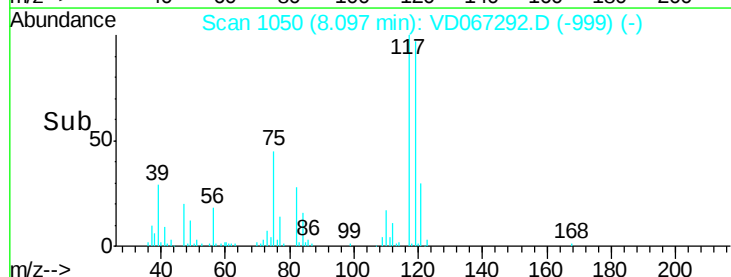
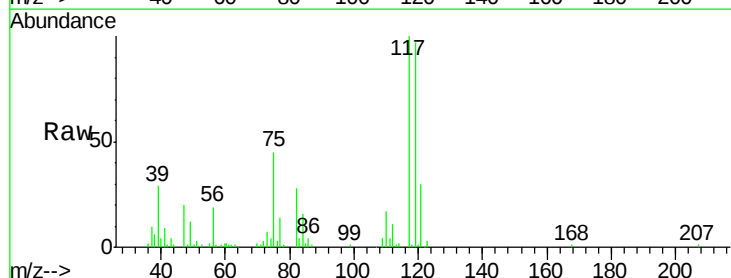
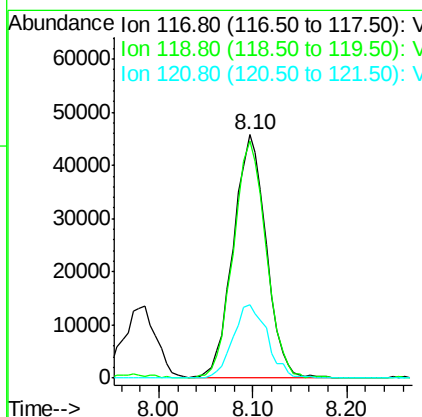
Manual Integrations
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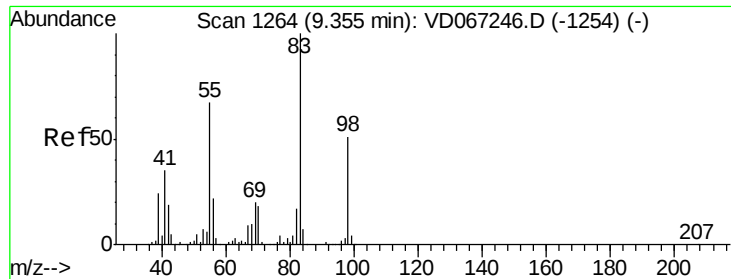
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#38
Carbon Tetrachloride
Concen: 21.252 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.0	112.4
121	30.4	24.9	37.3





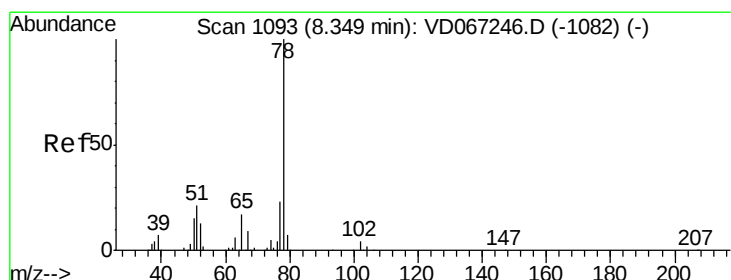
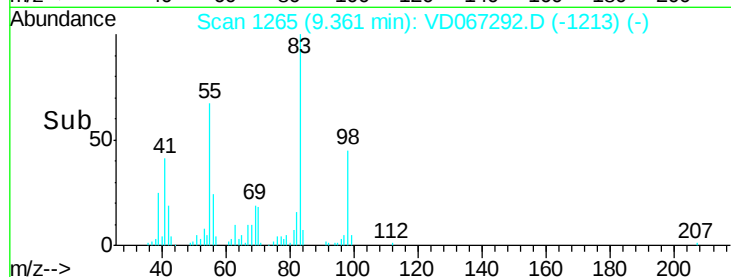
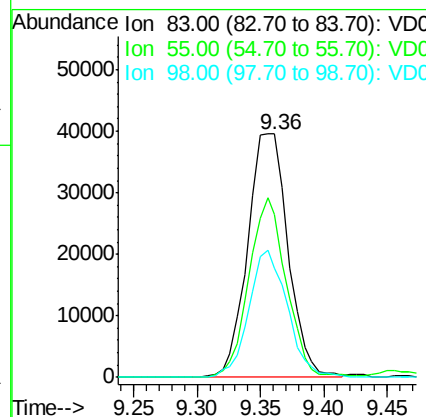
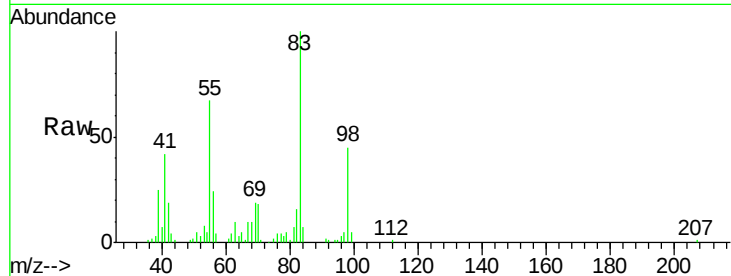
#39
Methvlcvclohexane
Concen: 20.504 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	66.8	53.3	79.9	
98	44.9	41.0	61.4	

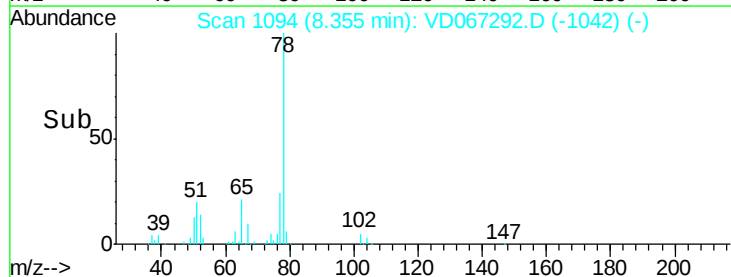
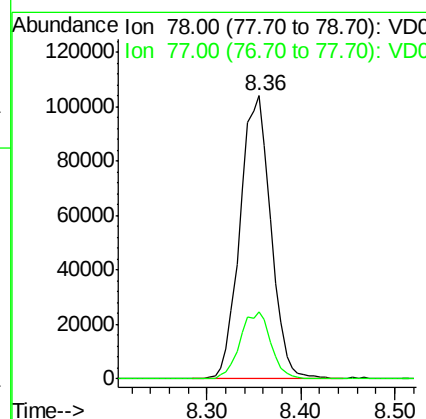
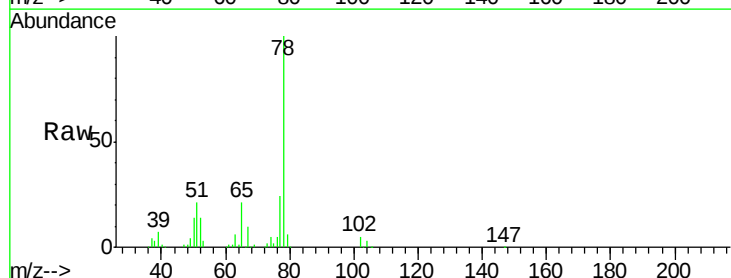
Manual Integrations
APPROVED

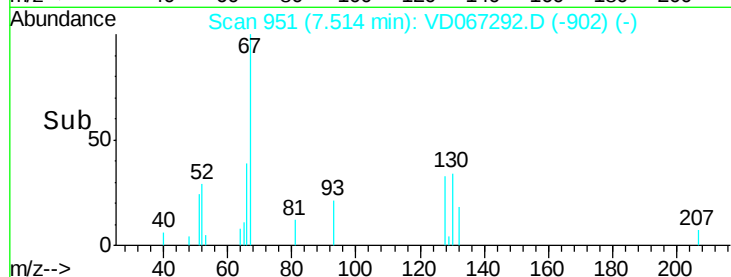
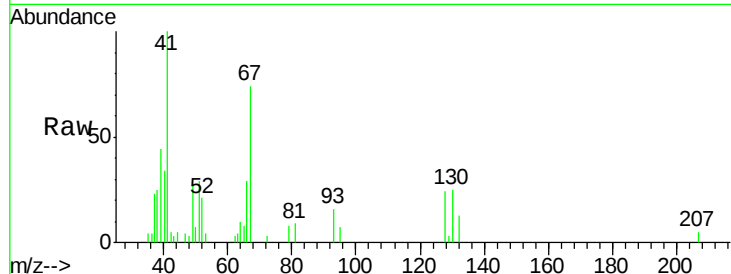
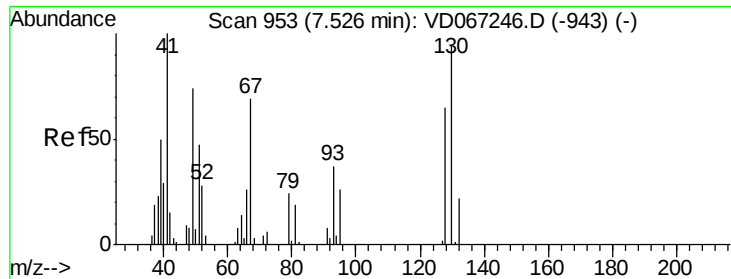
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#40
Benzene
Concen: 20.955 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

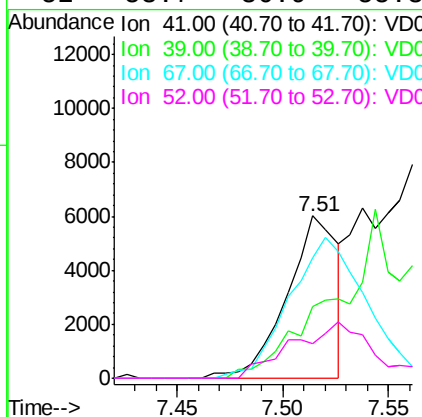
Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.7	18.3	27.5	





#41
Methacrylonitrile
Concen: 15.356 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

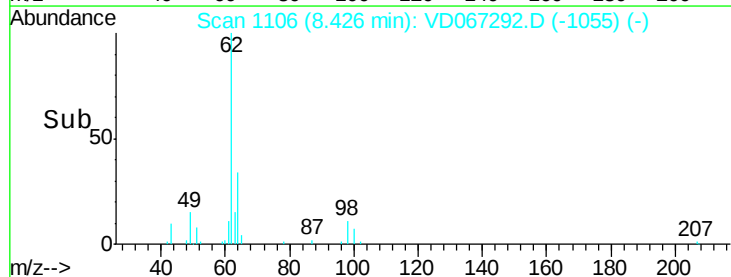
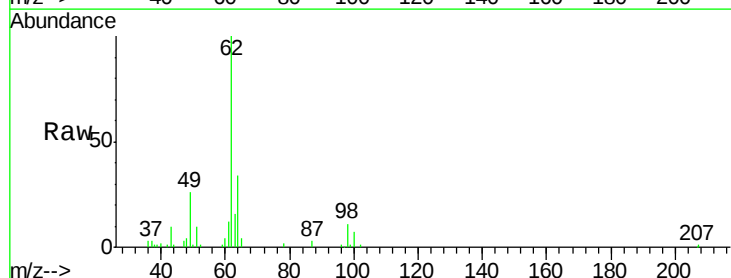
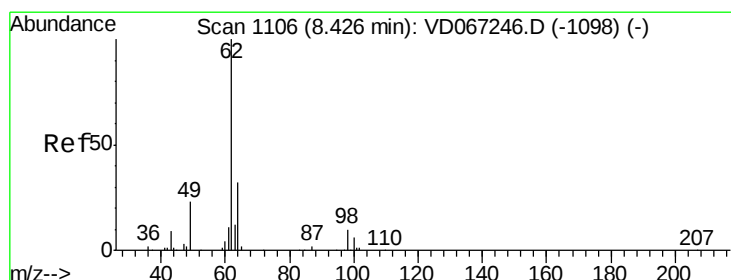
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	60.0	90.0#
67	130.2	88.9	133.3
52	53.7	36.9	55.3



Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

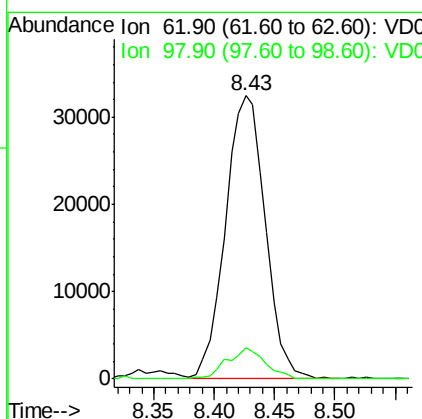
Manual Integrations
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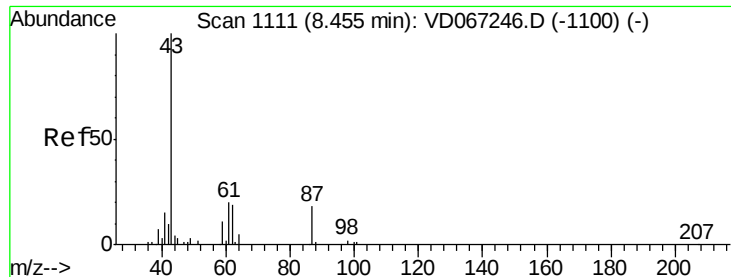
MMDadoda
10/19/2020 11:09:27 AM



#42
1,2-Dichloroethane
Concen: 21.030 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	19.4





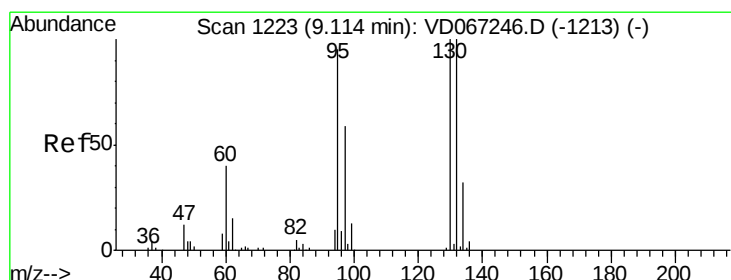
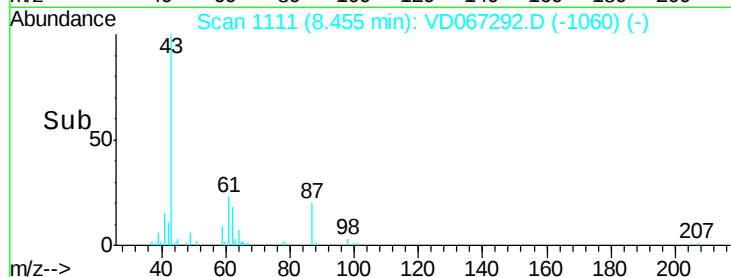
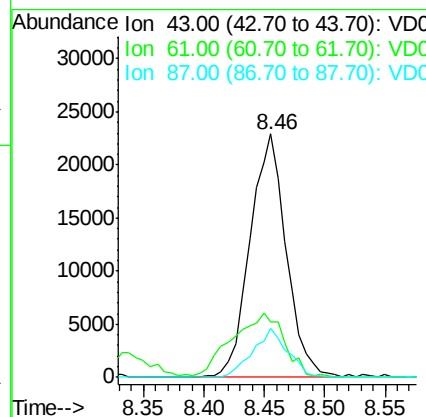
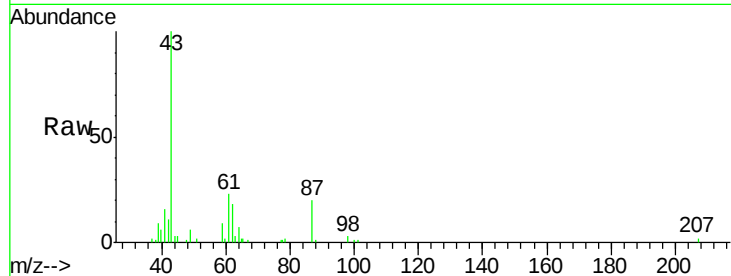
#43
Isopropyl Acetate
Concen: 19.969 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	38.4	29.5	44.3
87	19.3	14.2	21.4

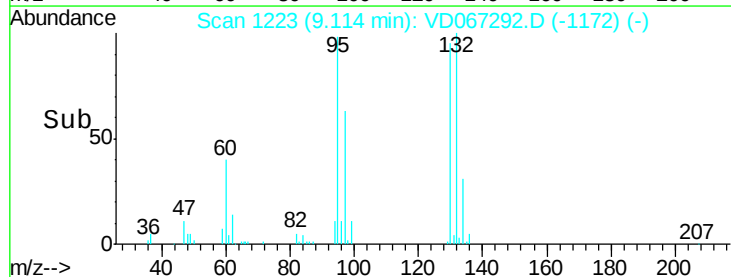
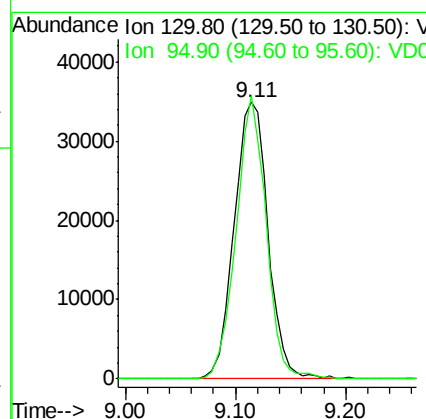
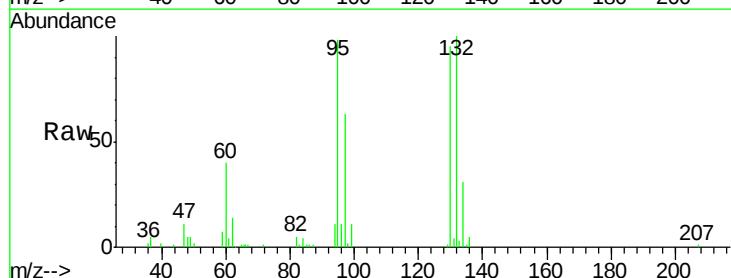
Manual Integrations
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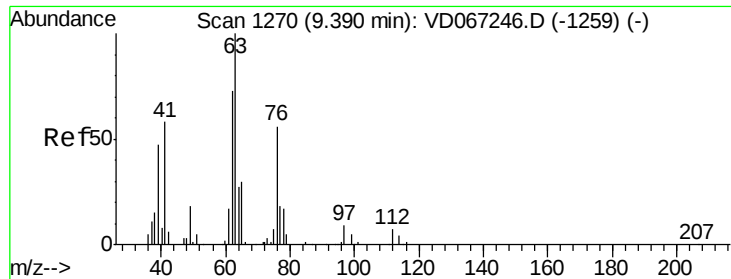
MMDadoda
10/19/2020 11:09:27 AM



#44
Trichloroethene
Concen: 20.766 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.4	0.0	190.6





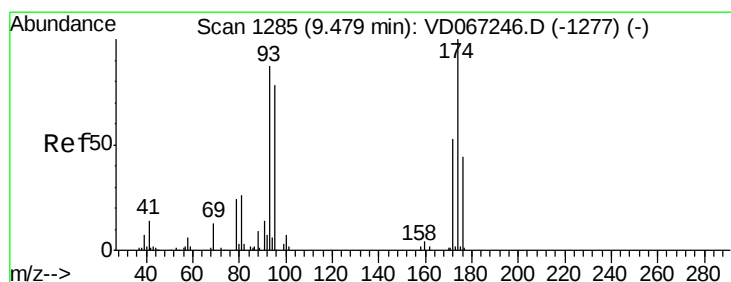
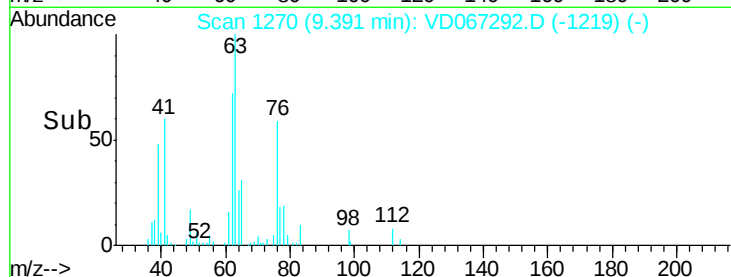
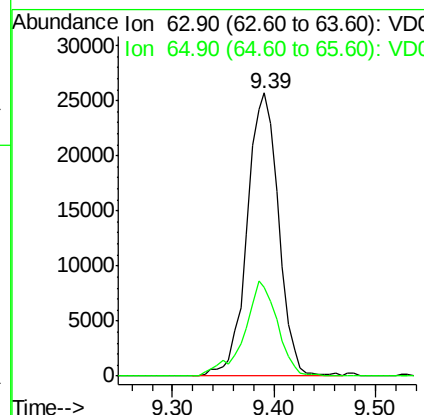
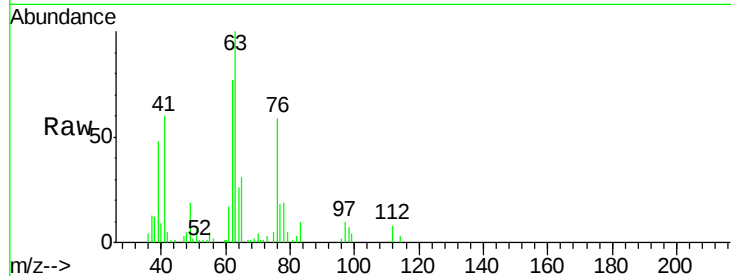
#45
 1,2-Dichloropropane
 Concen: 21.123 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.3	24.6	36.8

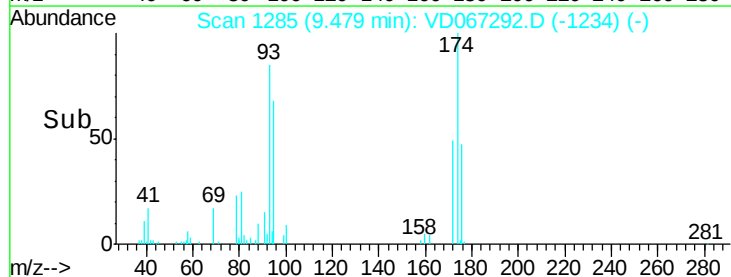
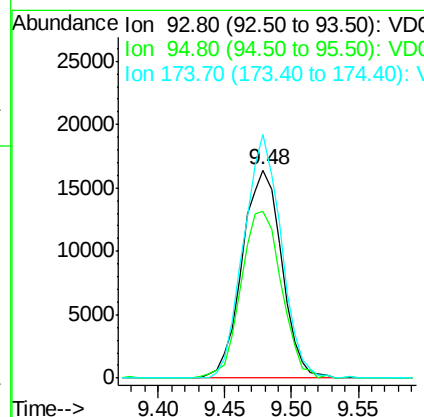
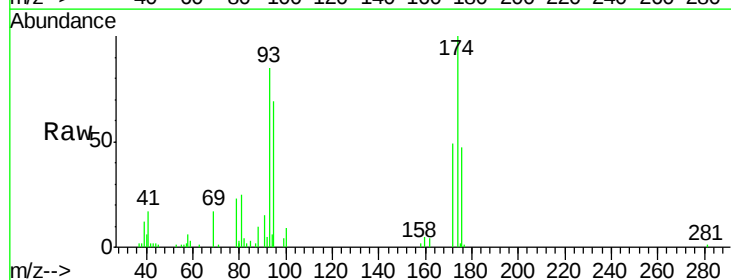
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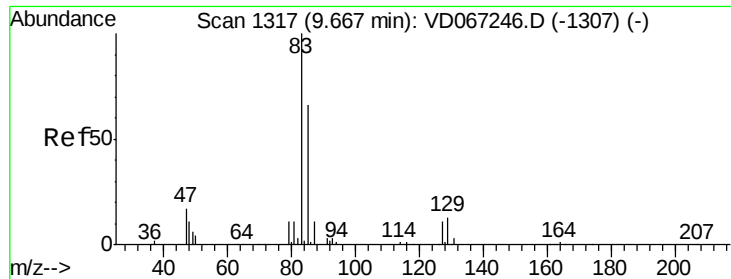
MMDadoda
 10/19/2020 11:09:27 AM



#46
 Dibromomethane
 Concen: 20.668 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
93	100		
95	81.8	68.0	102.0
174	110.2	91.8	137.6





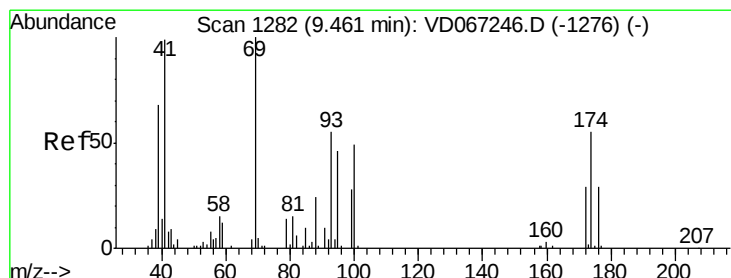
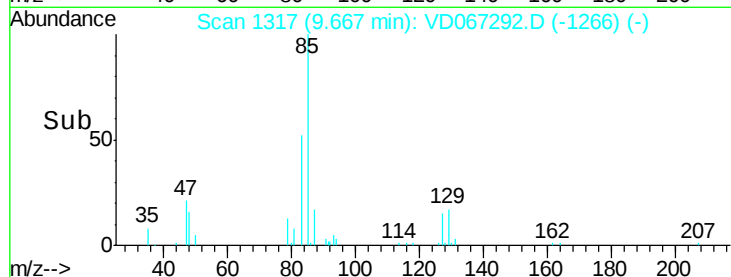
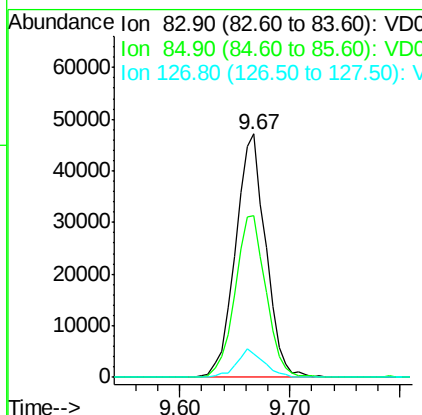
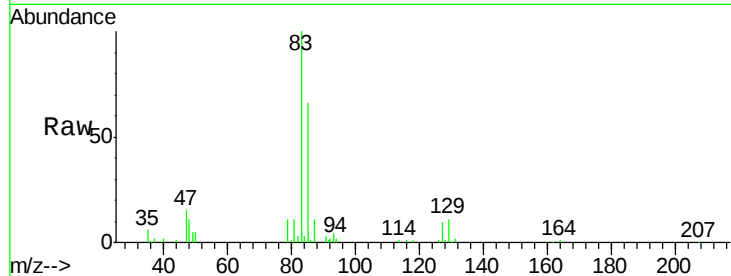
#47
Bromodichloromethane
Concen: 20.789 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	83	Resp	90707
Ion Ratio	100	Lower	Upper
83	100		
85	66.4	53.1	79.7
127	9.7	8.6	13.0

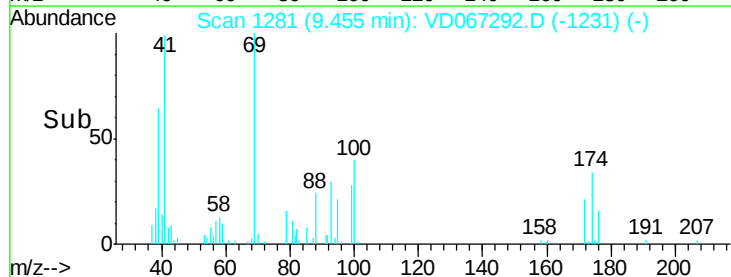
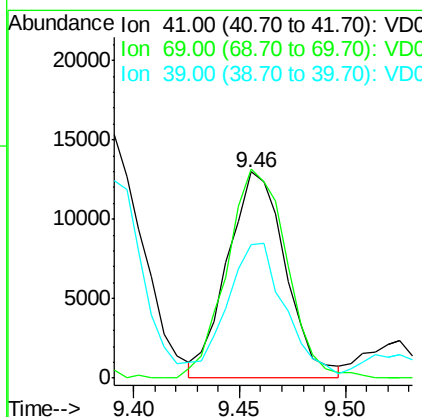
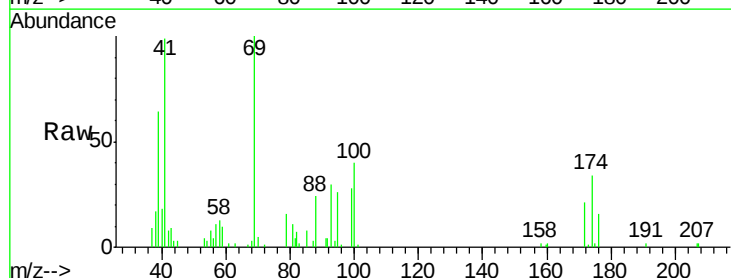
Manual Integrations
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#48
Methyl methacrylate
Concen: 21.248 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	41	Resp	24782
Ion Ratio	100	Lower	Upper
41	100		
69	104.2	89.0	133.6
39	65.8	60.2	90.2





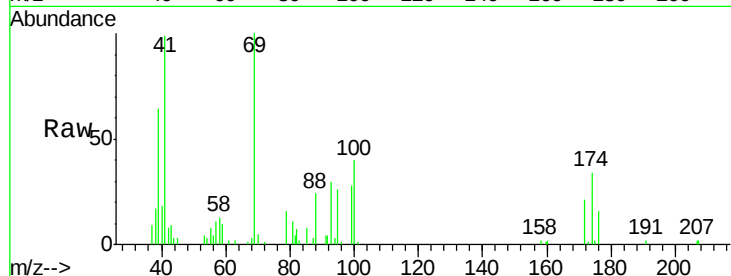
#49
1,4-Dioxane
Concen: 401.638 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.0	23.9	35.9
58	57.6	51.0	76.6

Manual Integrations
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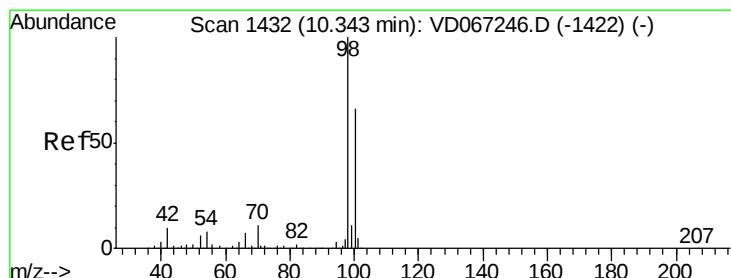
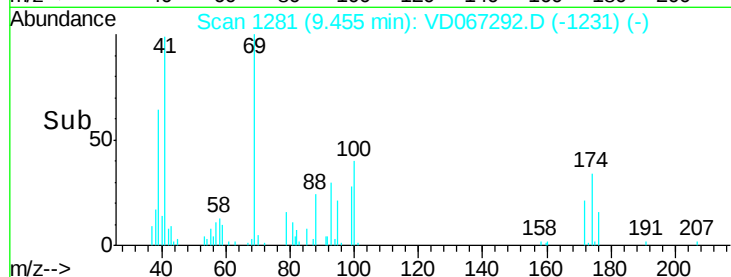
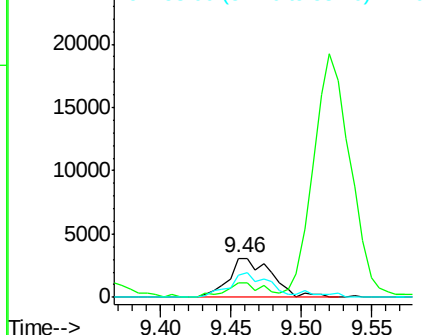


Abundance

Ion 88.00 (87.70 to 88.70): VDC

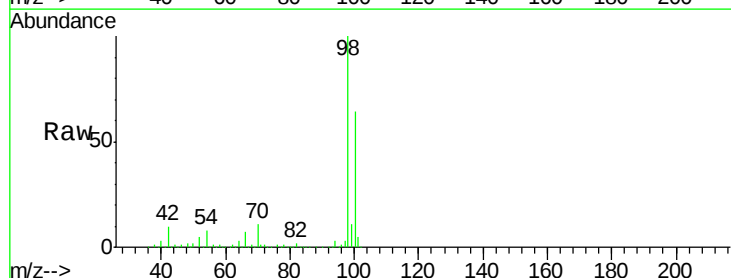
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.408 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

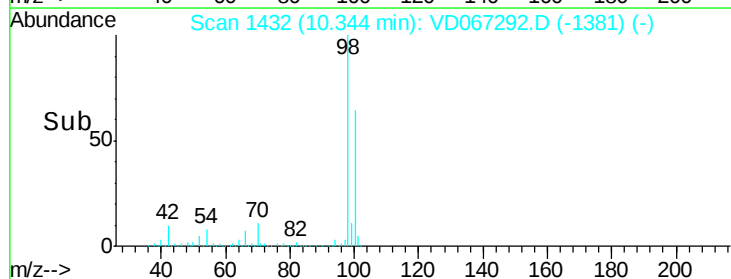
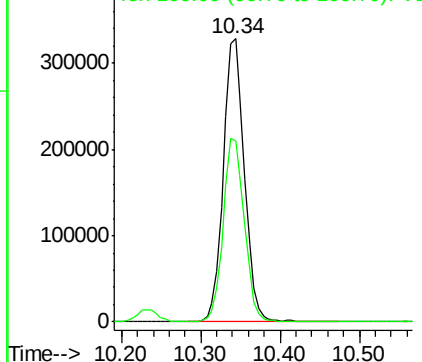
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.1	79.7

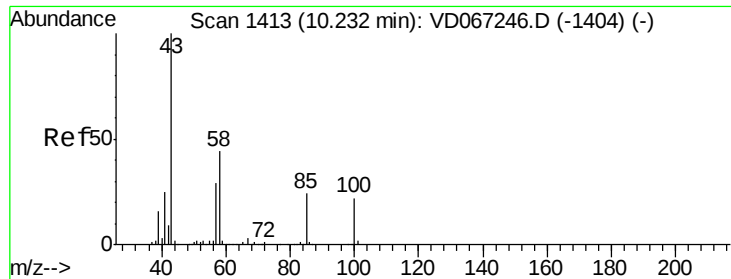


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 102.453 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 43 Resp: 122641

Ion Ratio Lower Upper

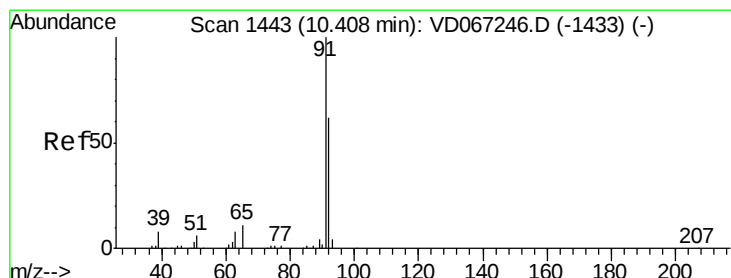
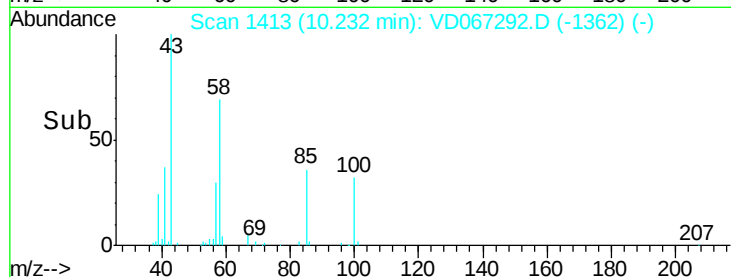
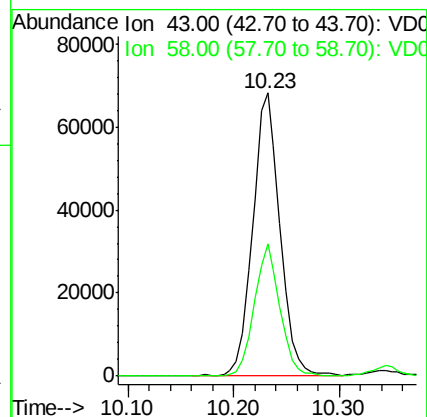
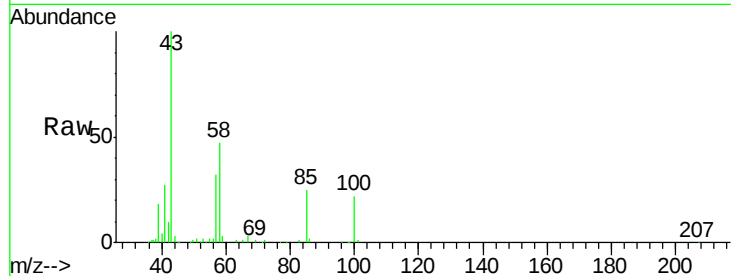
43 100

58 43.5 35.7 53.5

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#52

Toluene

Concen: 21.106 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067292.D

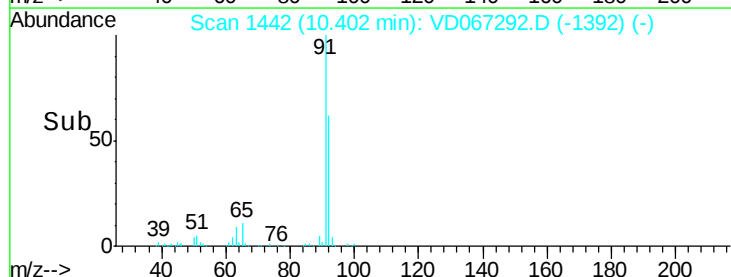
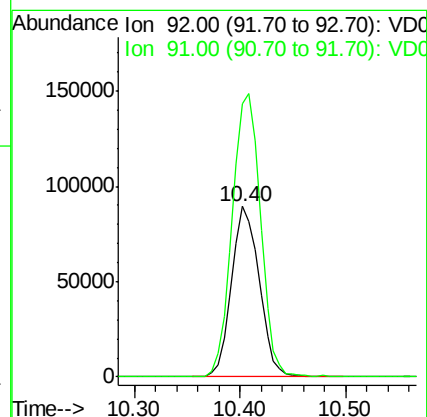
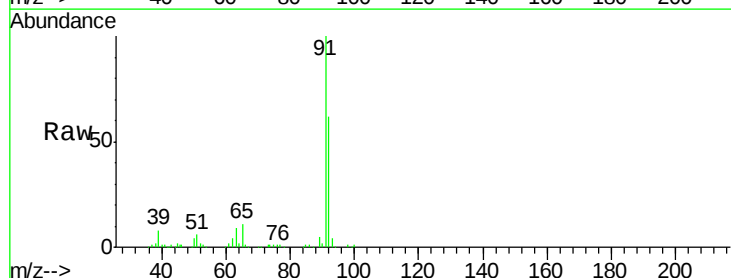
Acq: 16 Oct 2020 11:55

Tgt Ion: 92 Resp: 162124

Ion Ratio Lower Upper

92 100

91 169.7 133.8 200.8





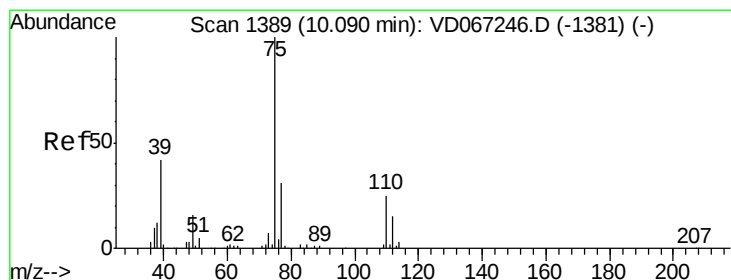
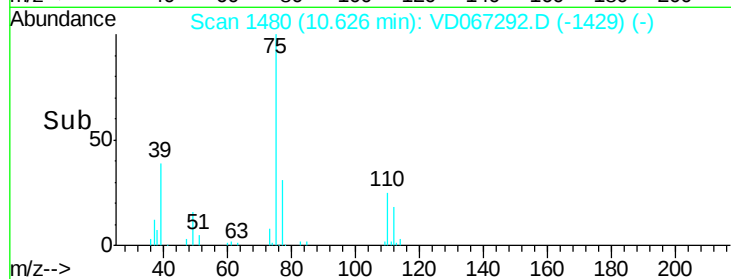
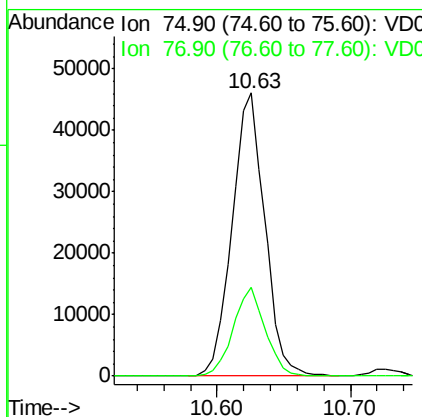
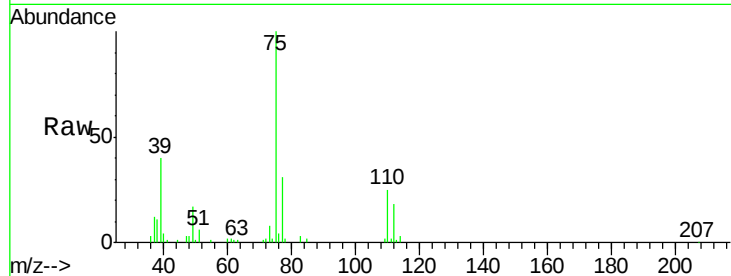
#53
 t-1,3-Dichloropropene
 Concen: 20.460 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion: 75 Resp: 78418
 Ion Ratio Lower Upper
 75 100
 77 31.2 26.5 39.7

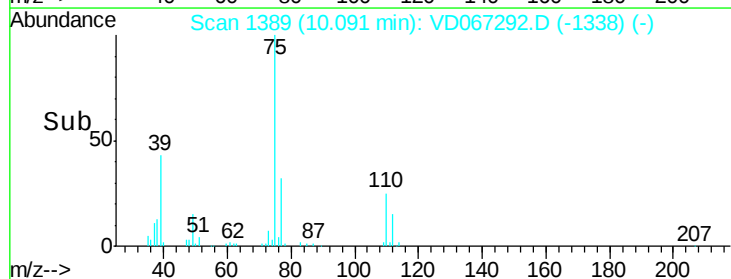
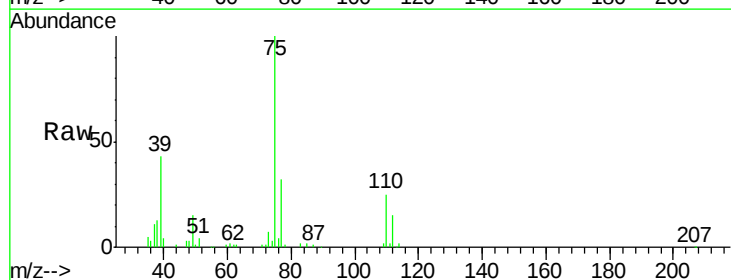
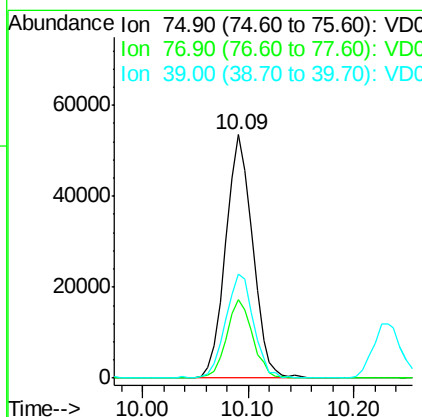
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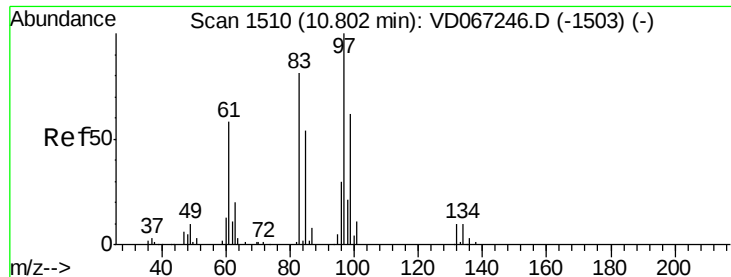
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 10/19/2020 11:09:27 AM



#54
 cis-1,3-Dichloropropene
 Concen: 21.117 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion: 75 Resp: 94720
 Ion Ratio Lower Upper
 75 100
 77 32.0 24.5 36.7
 39 42.8 33.7 50.5





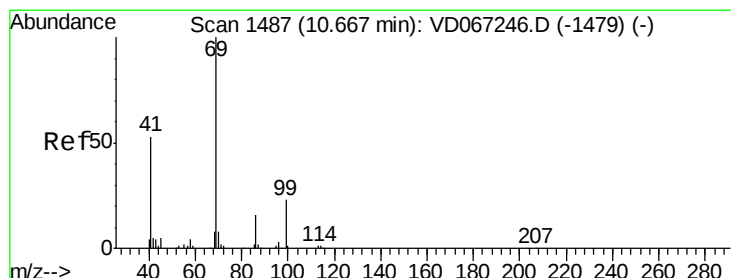
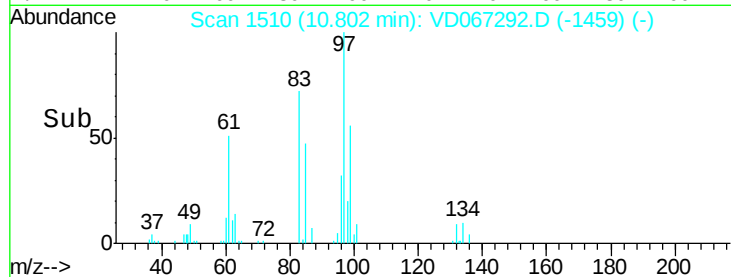
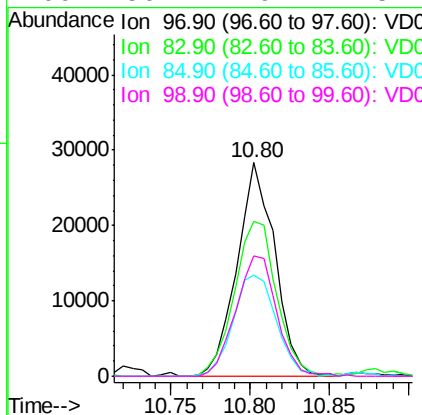
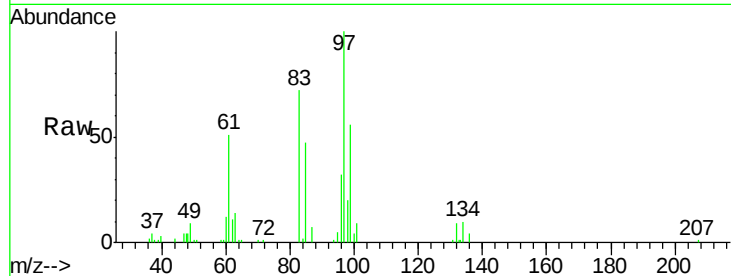
#55
 1,1,2-Trichloroethane
 Concen: 21.278 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion:	97	Resp:	47251
Ion	Ratio	Lower	Upper
97	100		
83	72.2	64.9	97.3
85	47.2	43.3	64.9
99	56.1	49.1	73.7

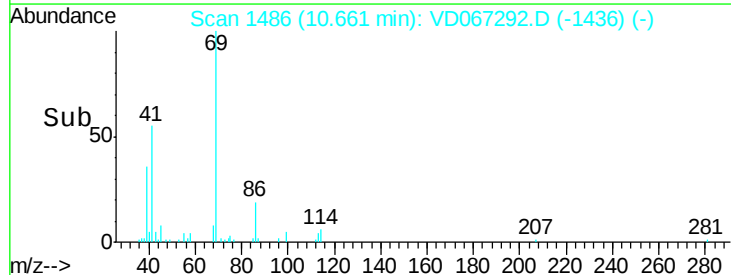
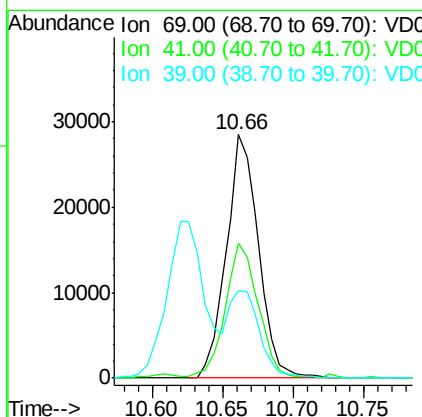
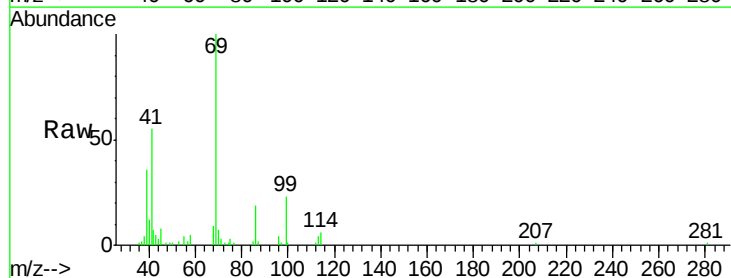
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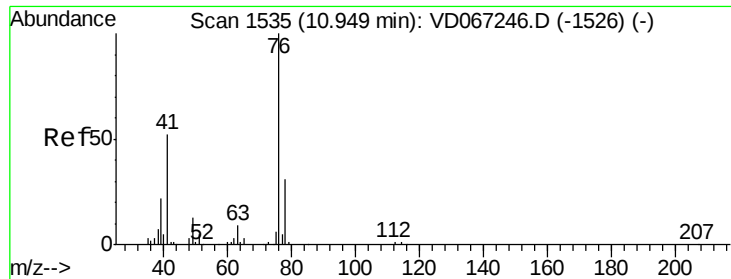
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#56
 Ethyl methacrylate
 Concen: 19.667 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion:	69	Resp:	45295
Ion	Ratio	Lower	Upper
69	100		
41	55.2	44.7	67.1
39	34.2	26.2	39.2





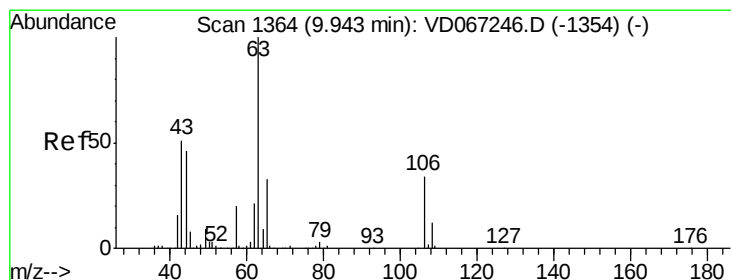
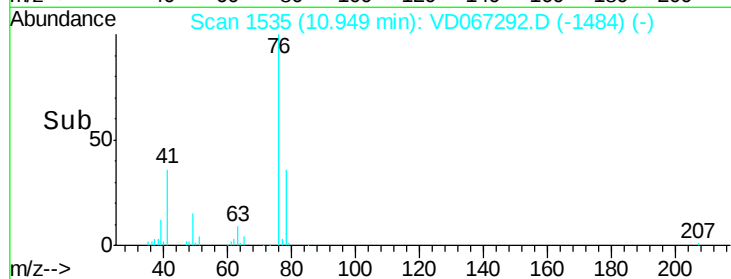
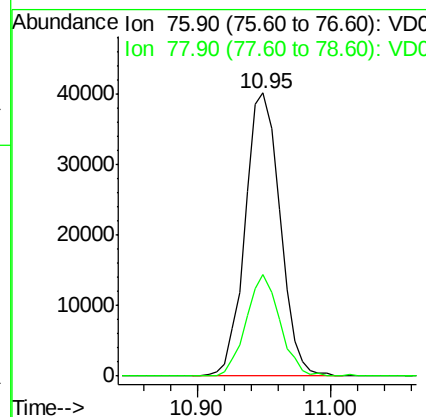
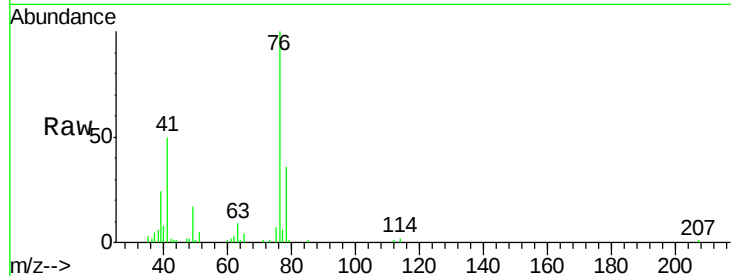
#57
 1,3-Dichloropropane
 Concen: 20.578 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.3	26.8	40.2

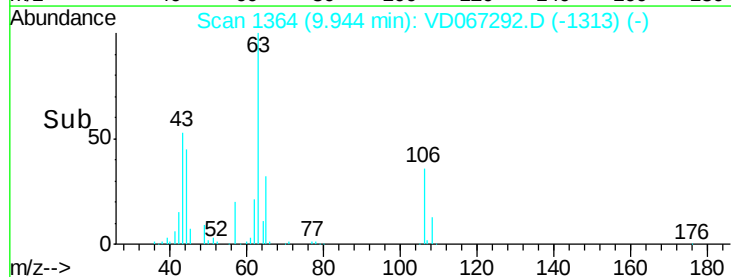
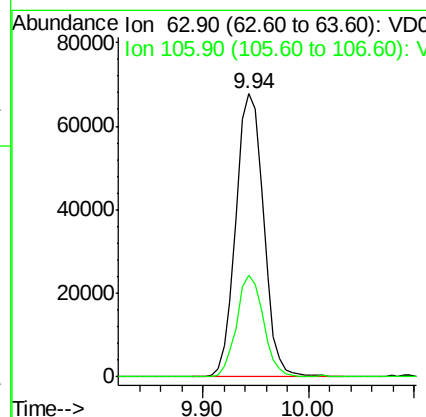
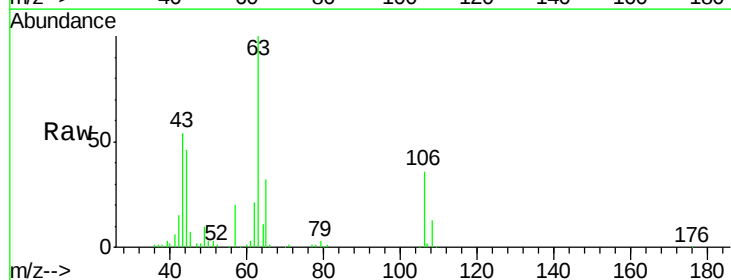
Manual Integrations
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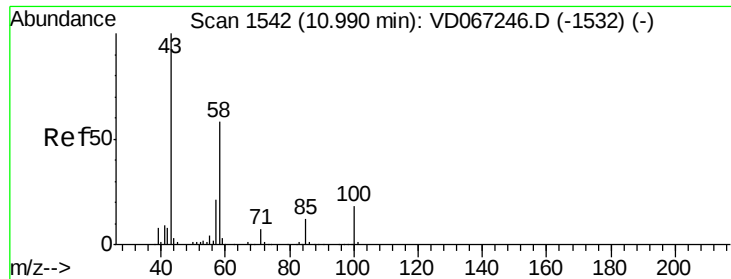
MMDadoda
 10/19/2020 11:09:27 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 103.951 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
63	100		
106	34.6	27.8	41.6





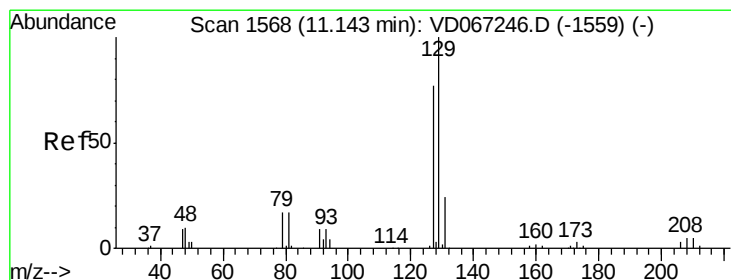
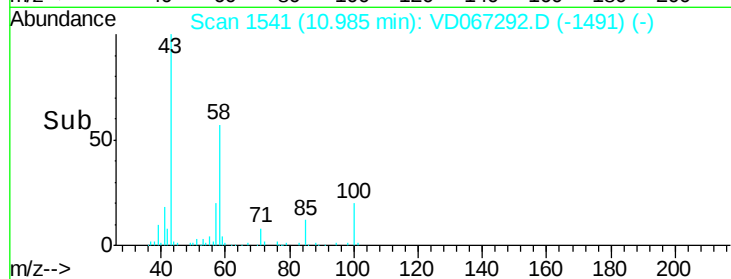
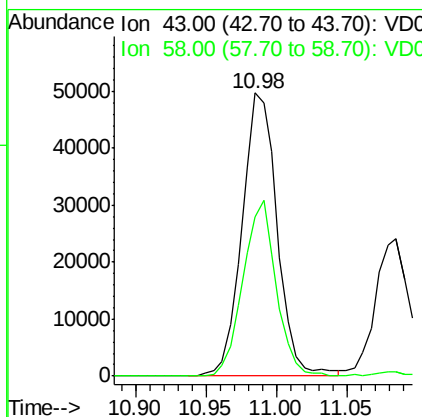
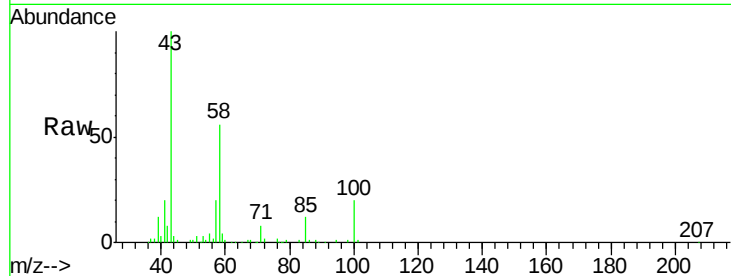
#59
2-Hexanone
Concen: 105.938 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 43 Resp: 86655
Ion Ratio Lower Upper
43 100
58 58.7 29.3 87.9

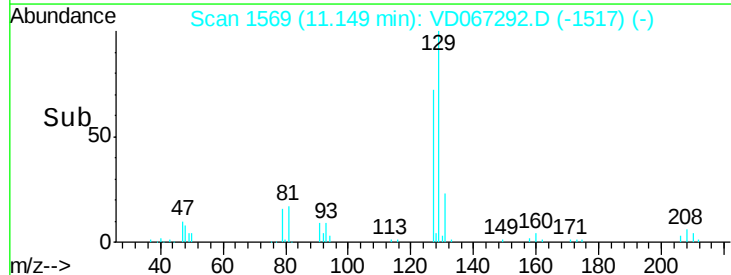
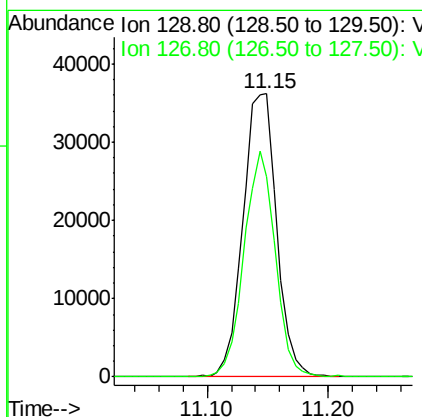
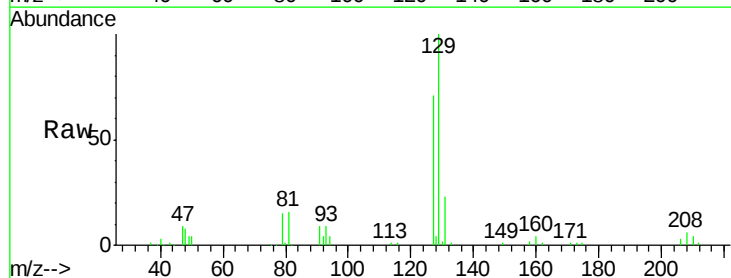
Manual Integrations
APPROVED

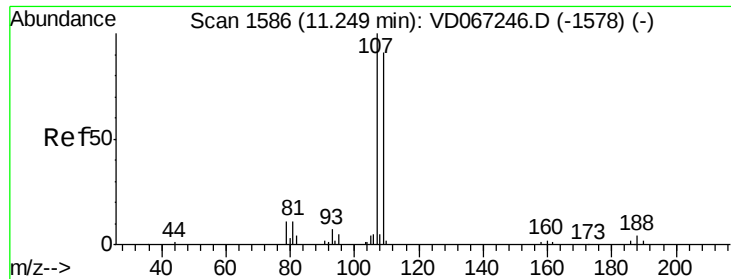
MMDadoda
10/19/2020 11:09:27 AM



#60
Dibromochloromethane
Concen: 21.784 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 129 Resp: 70548
Ion Ratio Lower Upper
129 100
127 73.6 38.3 114.8





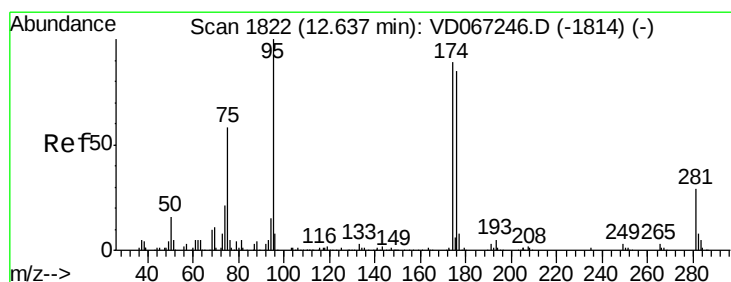
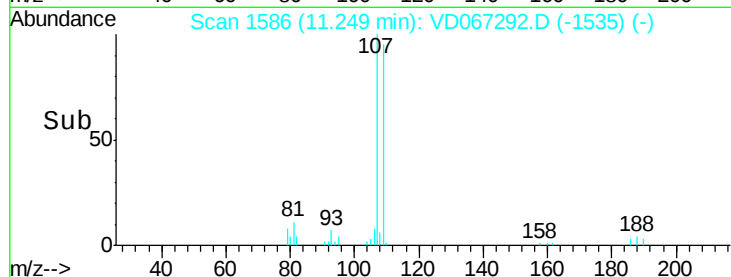
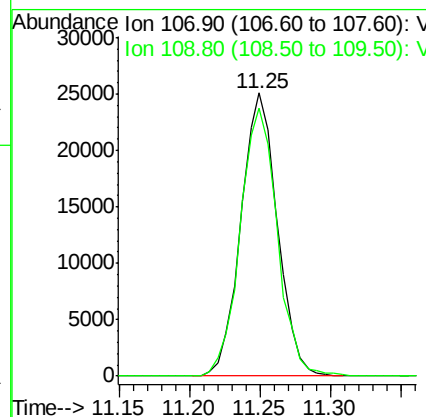
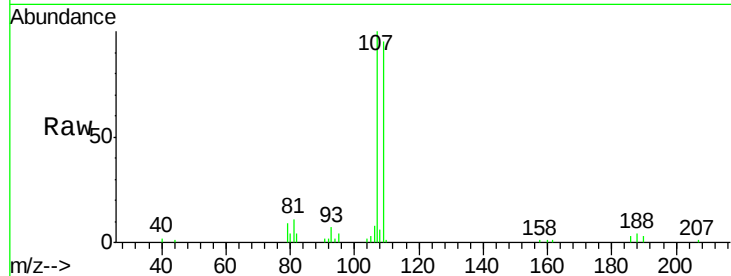
#61
1,2-Dibromoethane
Concen: 20.708 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 107 Resp: 45336
Ion Ratio Lower Upper
107 100
109 96.5 74.6 112.0

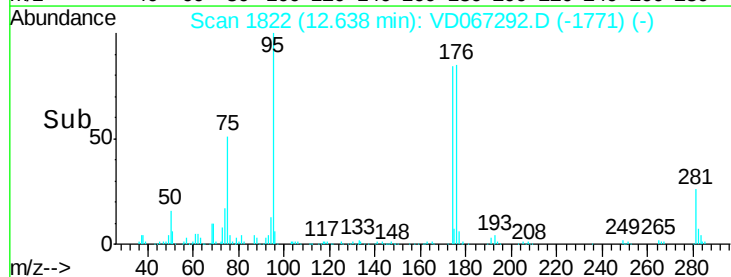
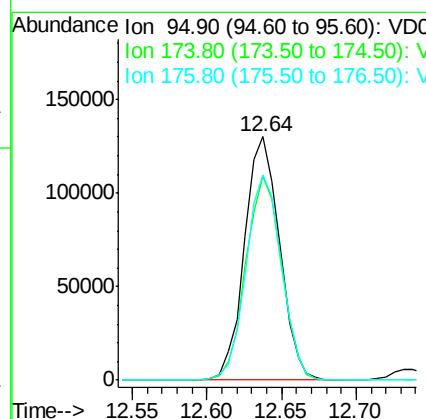
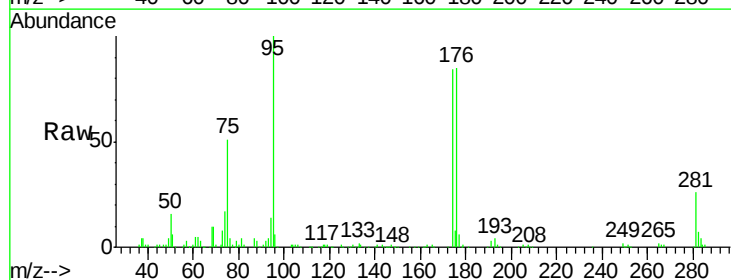
Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:27 AM



#62
4-Bromofluorobenzene
Concen: 52.094 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 95 Resp: 211600
Ion Ratio Lower Upper
95 100
174 85.1 0.0 175.2
176 85.0 0.0 168.6





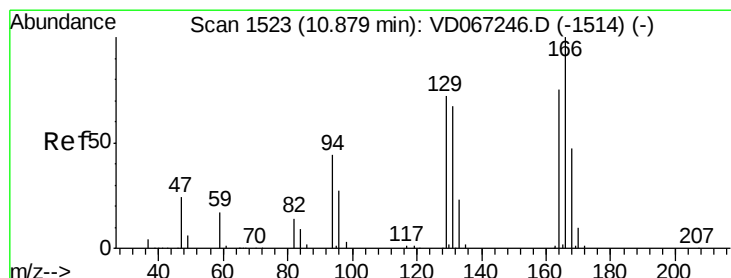
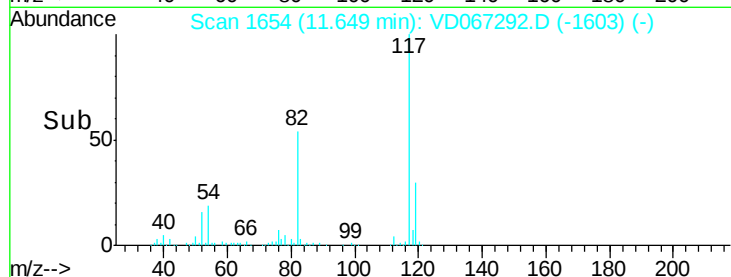
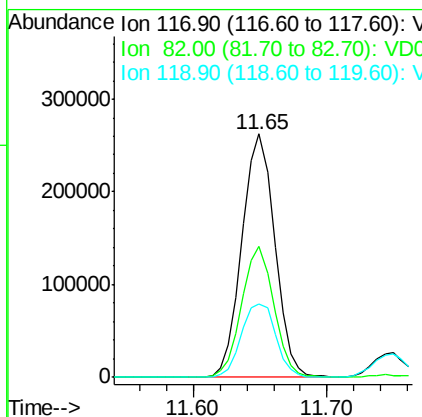
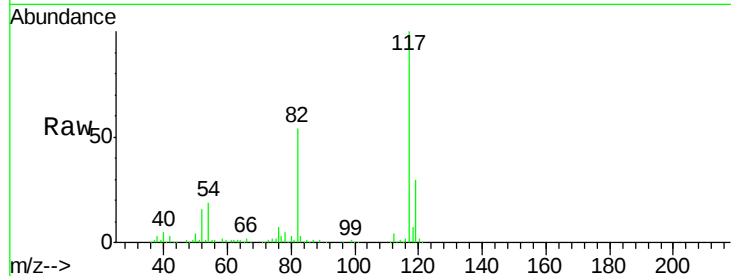
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.7	39.9	59.9
119	30.4	24.9	37.3

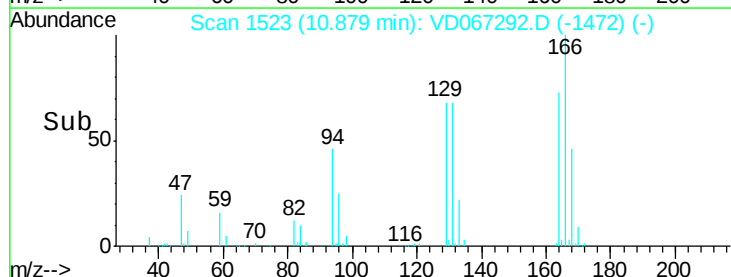
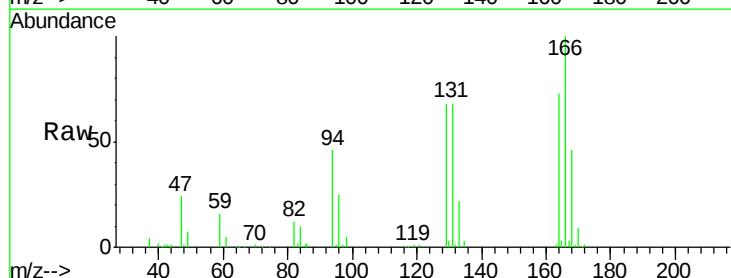
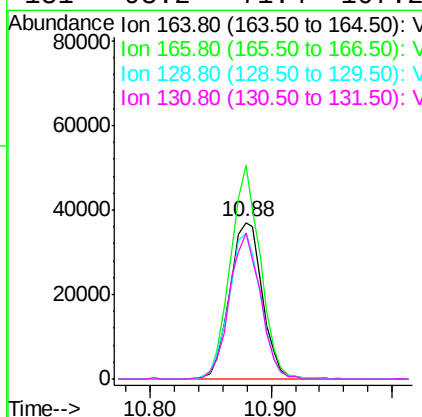
Manual Integrations
APPROVED

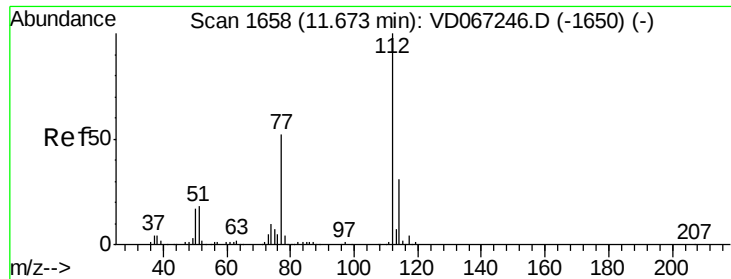
MMDadoda
10/19/2020 11:09:27 AM



#64
Tetrachloroethene
Concen: 21.455 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
164	100		
166	136.3	107.3	160.9
129	93.2	77.3	115.9
131	93.2	71.4	107.2





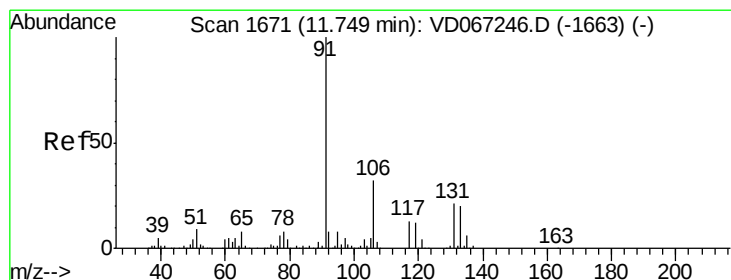
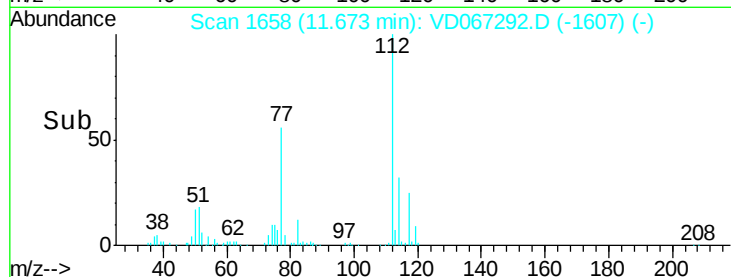
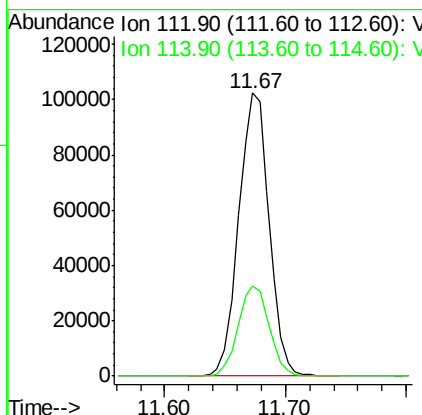
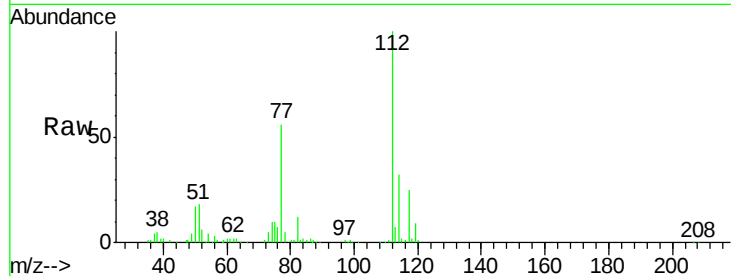
#65
Chlorobenzene
Concen: 20.879 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion:112 Resp: 179703
Ion Ratio Lower Upper
112 100
114 31.8 25.0 37.4

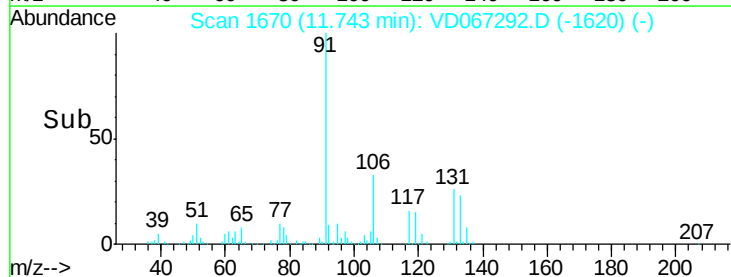
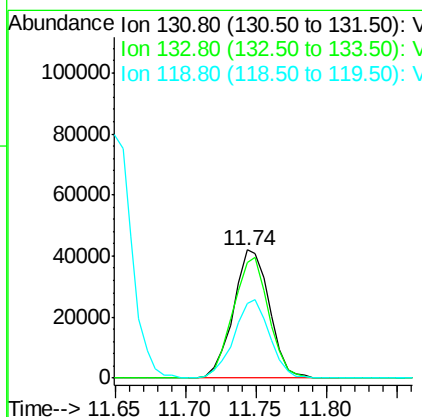
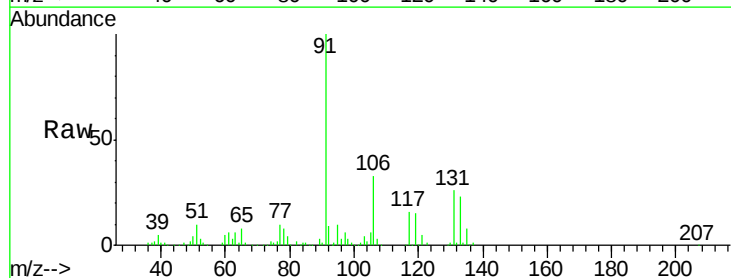
Manual Integrations
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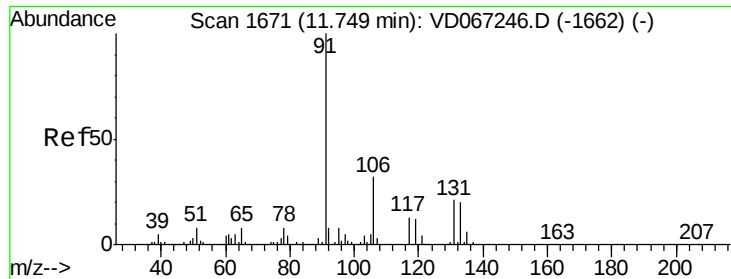
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.921 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion:131 Resp: 74986
Ion Ratio Lower Upper
131 100
133 92.8 48.1 144.3
119 60.3 30.0 90.0





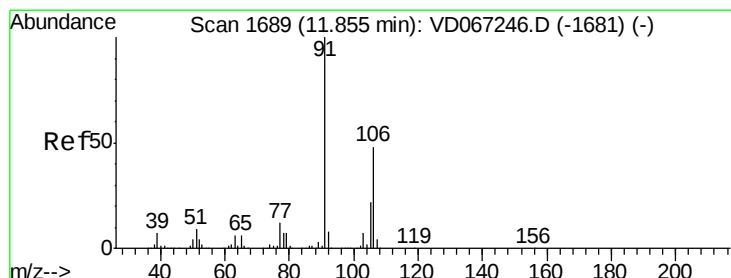
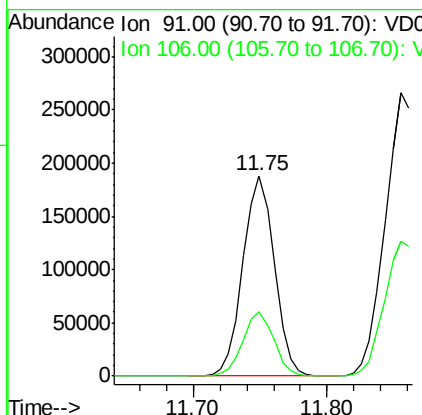
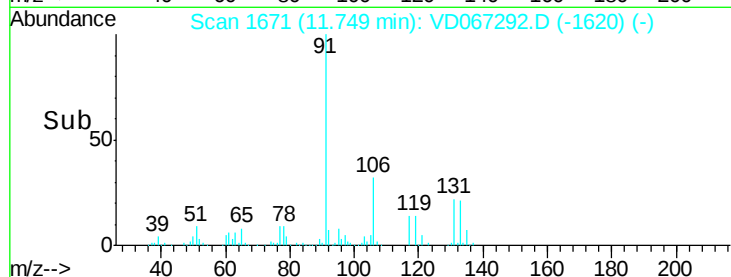
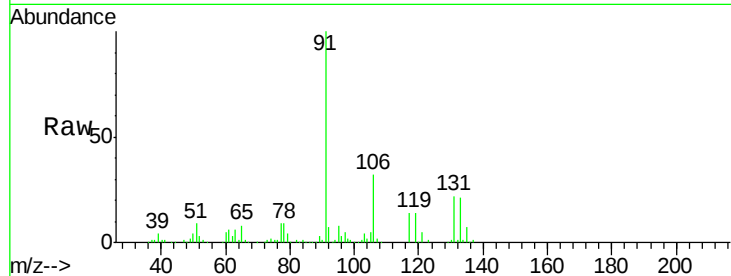
#67
Ethyl Benzene
Concen: 20.783 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion: 91 Resp: 306635
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0

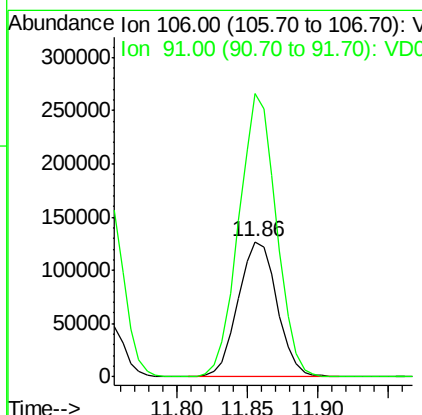
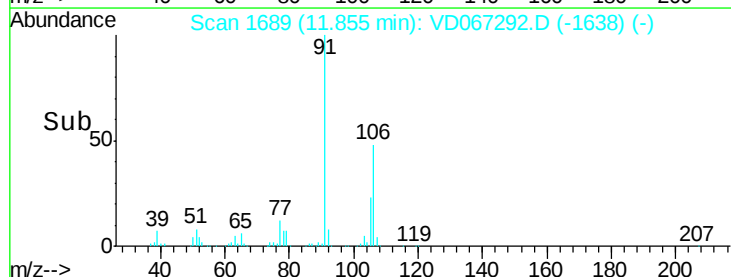
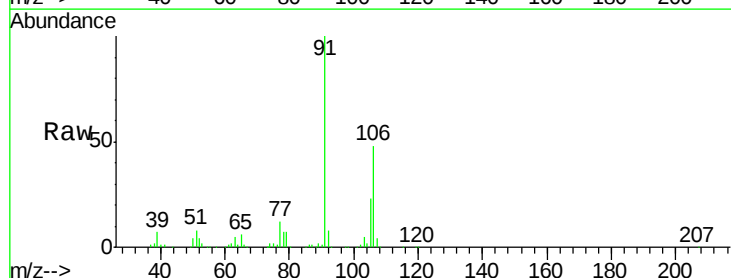
Manual Integrations
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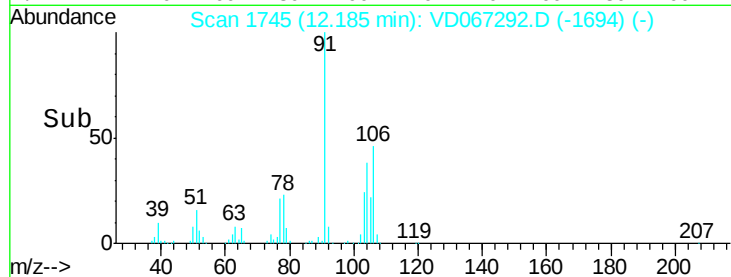
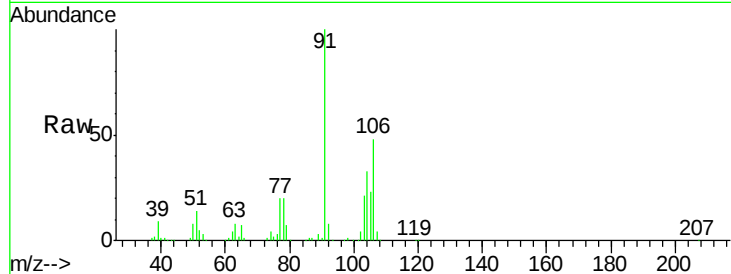
MMDadoda
10/19/2020 11:09:27 AM



#68
m/p-Xylenes
Concen: 43.097 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion: 106 Resp: 244856
Ion Ratio Lower Upper
106 100
91 202.6 163.8 245.8





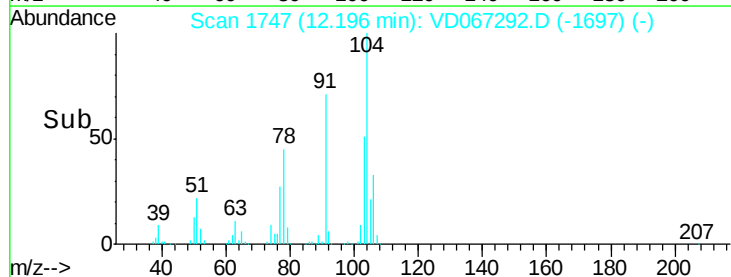
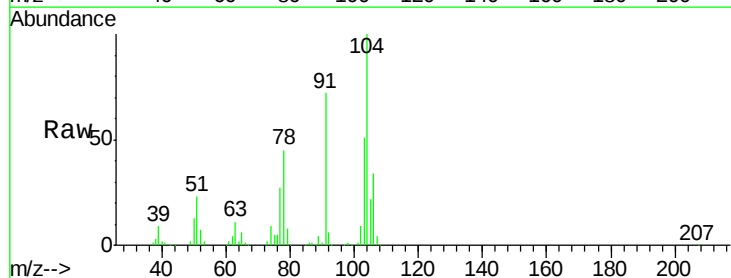
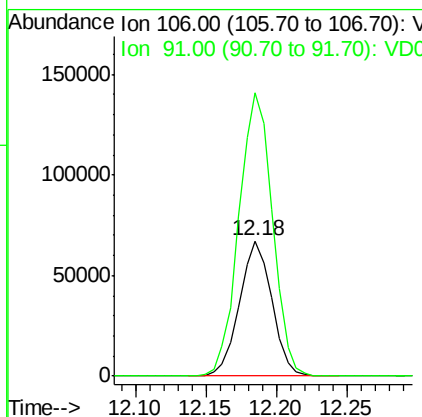
#69
o-Xylene
Concen: 20.550 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	108114		
91	217.1	109.1	327.3	

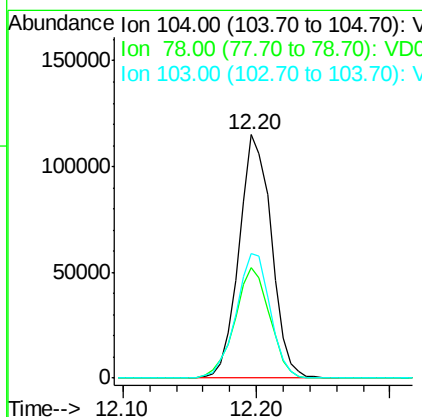
Manual Integrations
APPROVED

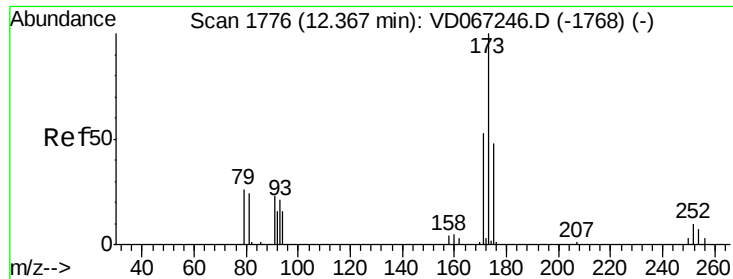
MMDadoda
10/19/2020 11:09:27 AM



#70
Styrene
Concen: 21.234 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	192306		
78	49.0	39.8	59.6	
103	54.2	42.6	64.0	





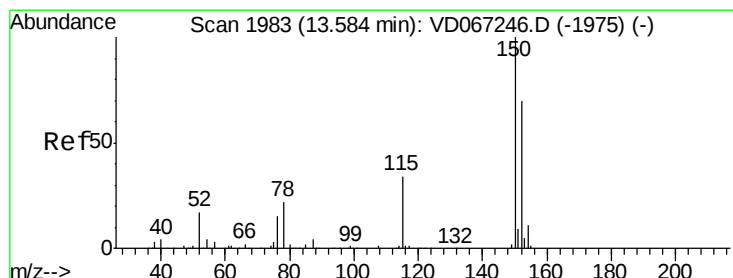
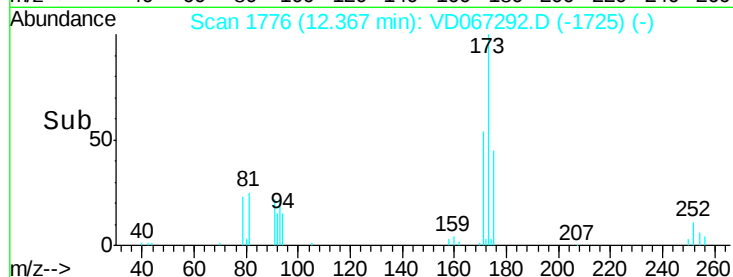
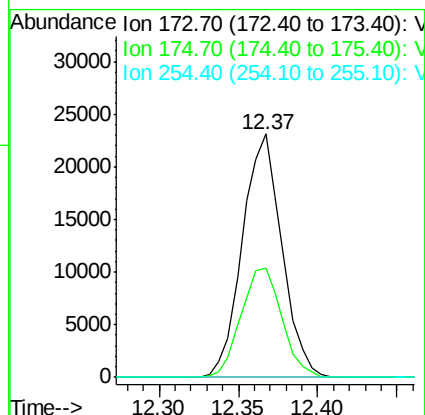
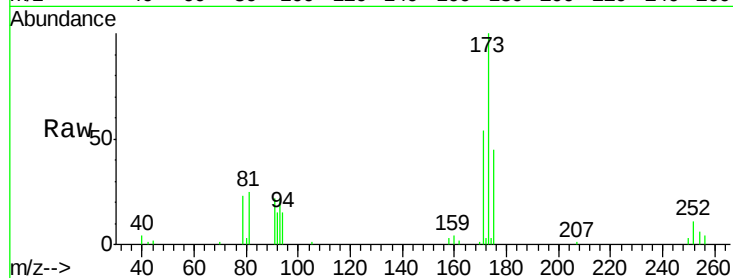
#71
Bromoform
Concen: 21.737 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.4	24.2	72.6
254	0.0	0.1	0.1#

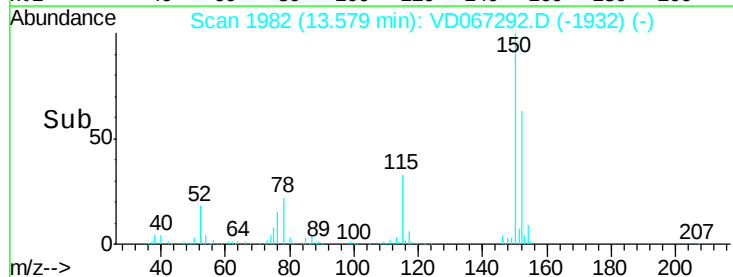
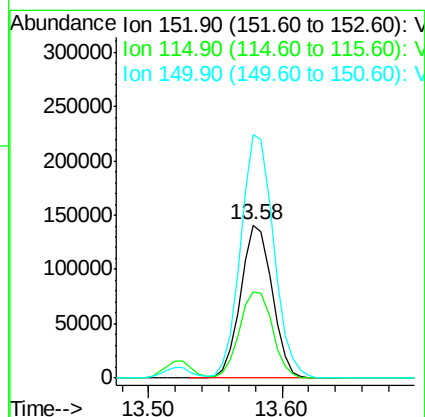
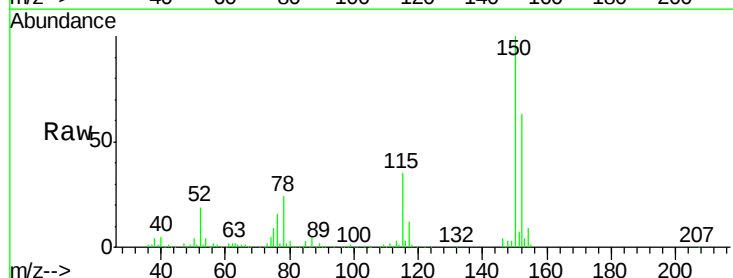
Manual Integrations
APPROVED

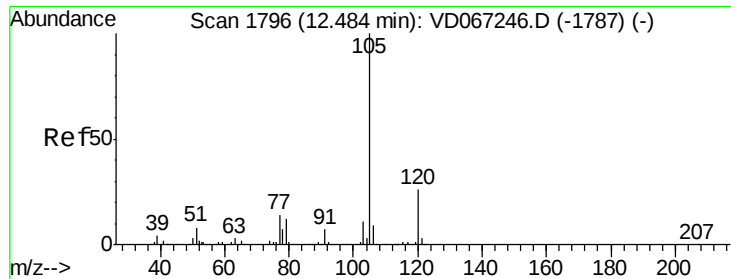
MMDadoda
10/19/2020 11:09:27 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.3	29.3	87.9
150	166.2	0.0	339.0





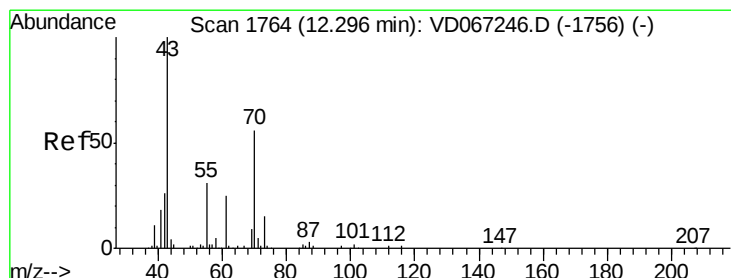
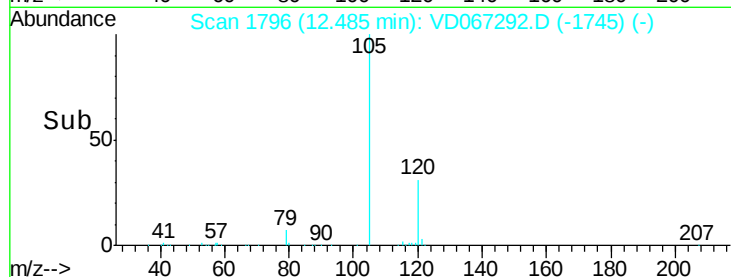
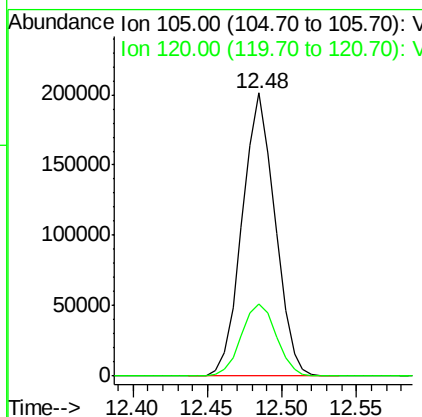
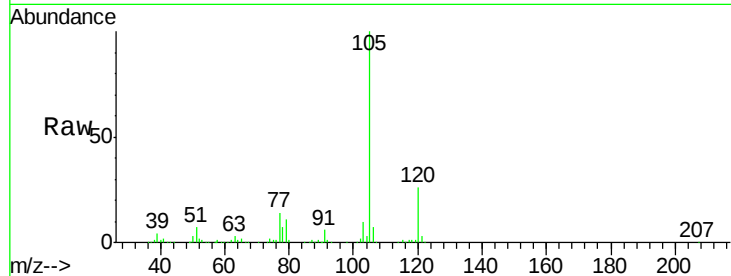
#73
Isopropylbenzene
Concen: 21.018 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.2	13.3	39.8

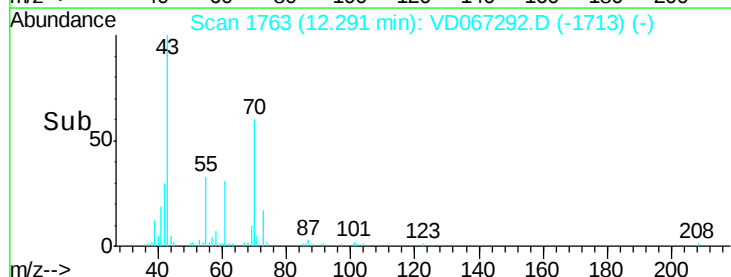
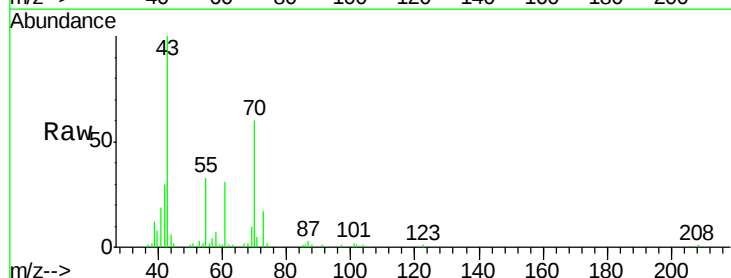
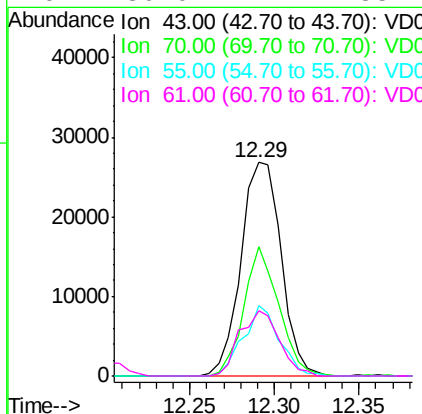
Manual Integrations
APPROVED

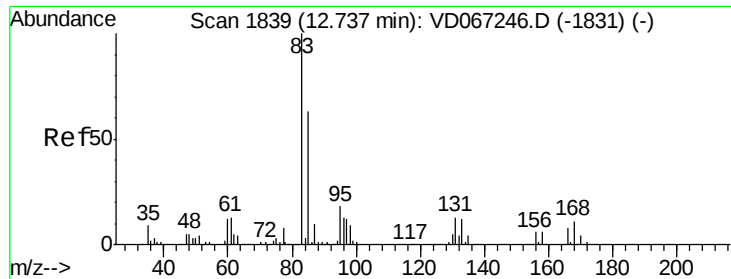
MMDadoda
10/19/2020 11:09:27 AM



#74
N-ethyl acetate
Concen: 20.179 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.3	42.7	64.1
55	29.8	24.0	36.0
61	30.0	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.091 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

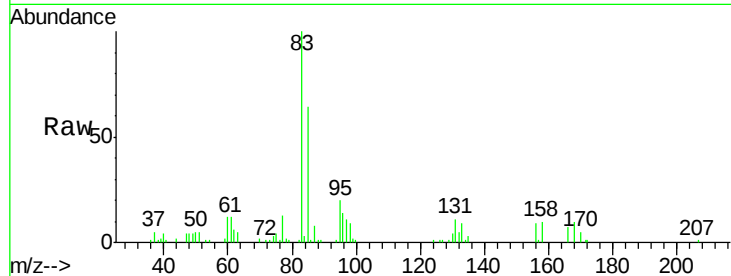
ClientSampleId :

VD1016SBS01

Tot Ion:	83	Resp:	47226
Ion Ratio	Lower	Upper	
83	100		
131	12.9	6.5	19.5
85	61.9	32.6	97.7

Manual Integrations
APPROVED

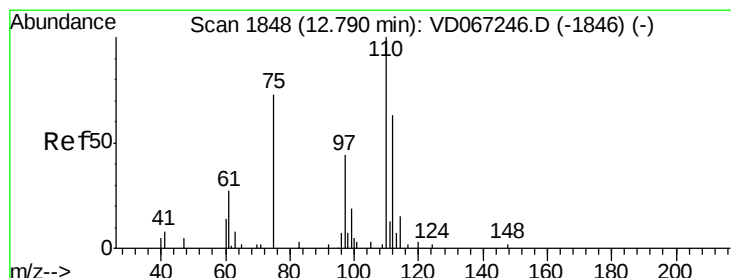
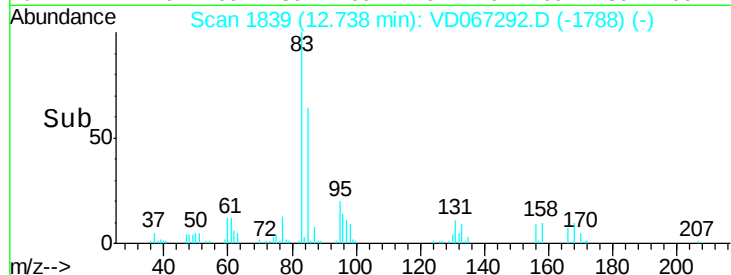
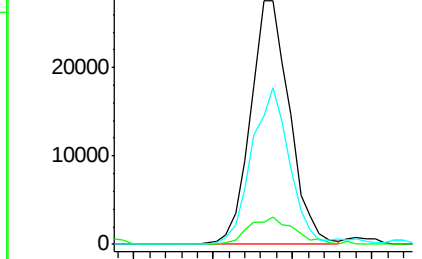
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 21.995 ug/l m

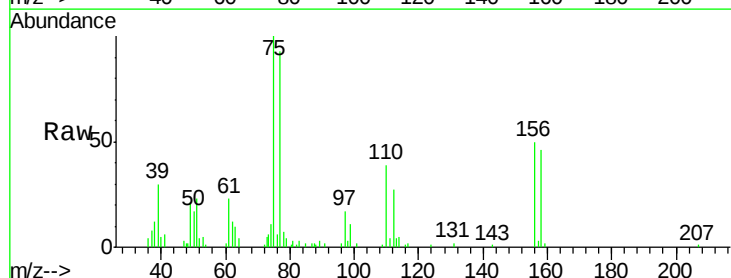
RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067292.D

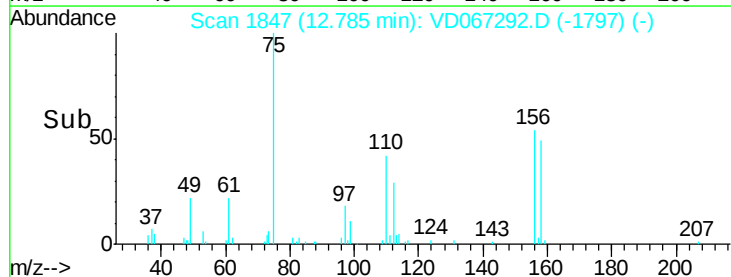
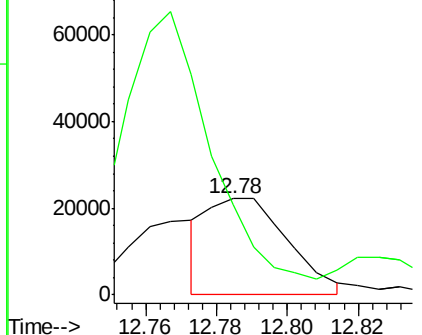
Acq: 16 Oct 2020 11:55

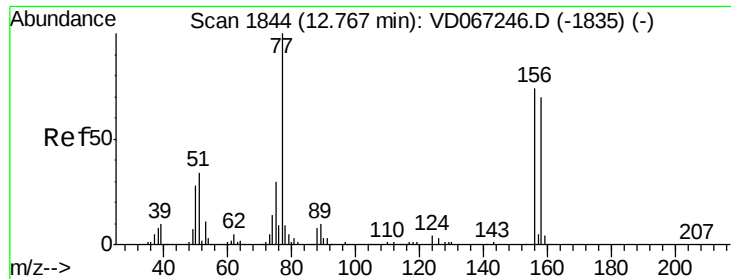
Tgt Ion:	75	Resp:	35102
Ion Ratio	Lower	Upper	
75	100		
77	340.6	0.0	0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.997 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

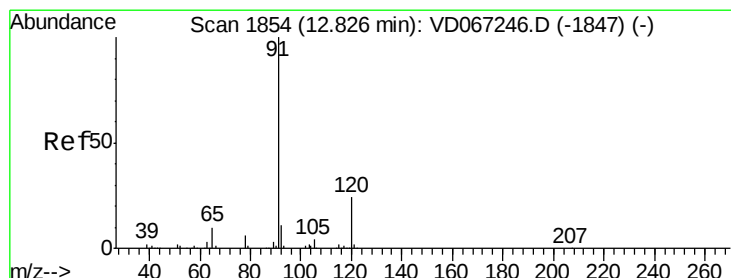
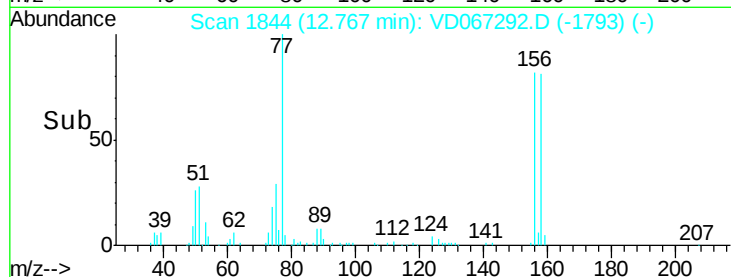
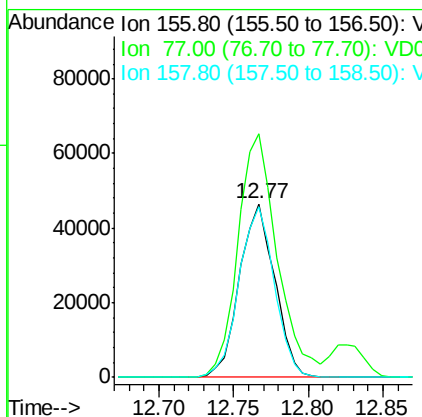
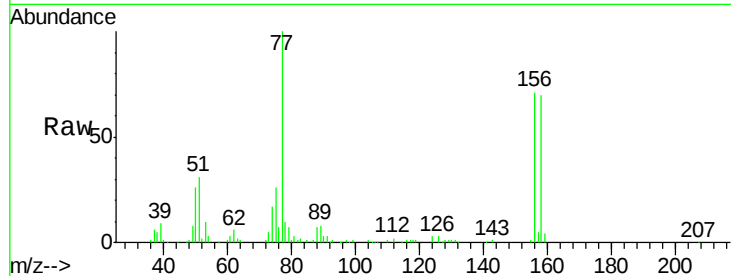
ClientSampleId :

VD1016SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		76501		
77	156.3	78.0	233.8		
158	98.6	49.1	147.3		

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#78

n-propylbenzene

Concen: 21.249 ug/l

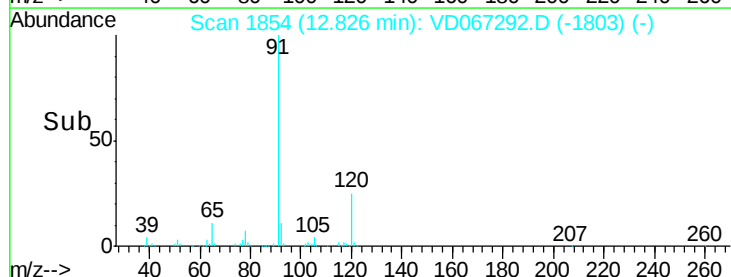
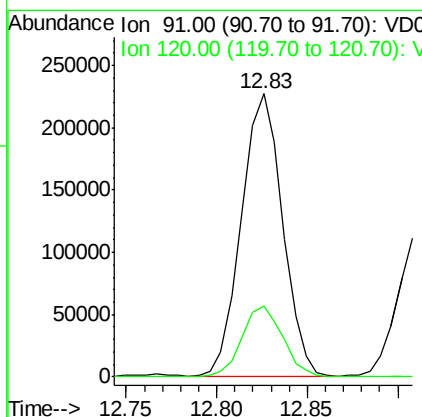
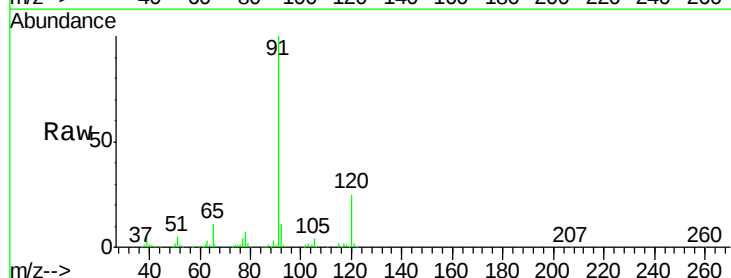
RT: 12.83 min Scan# 1854

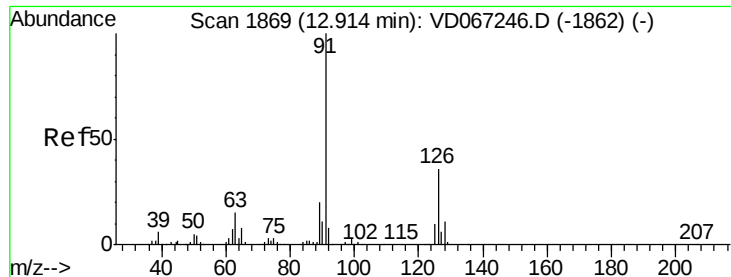
Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		359784		
120	24.7	11.9	35.9		





#79

2-Chlorotoluene

Concen: 20.886 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

ClientSampleId :

VD1016SBS01

Tot Ion: 91 Resp: 205080

Ion Ratio Lower Upper

91 100

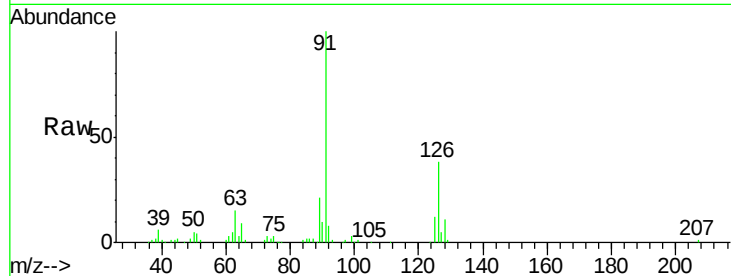
126 36.7 17.6 52.8

Manual Integrations

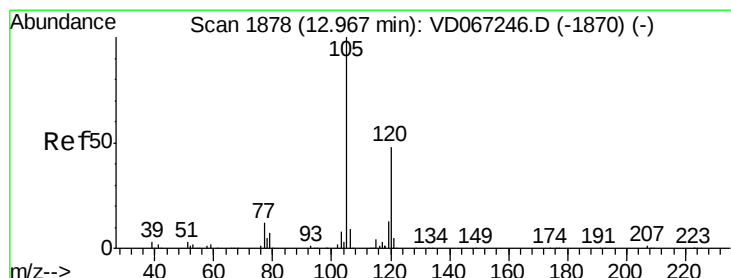
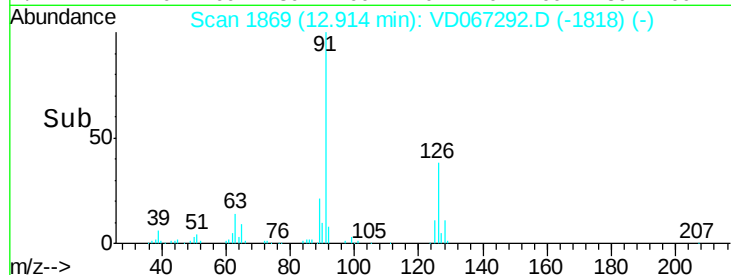
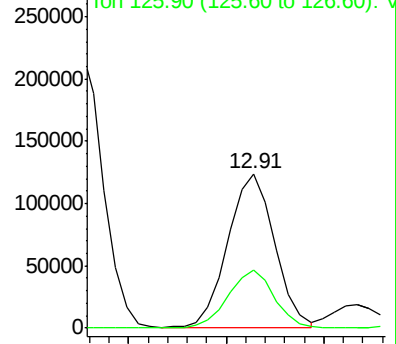
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Abundance Ion 91.00 (90.70 to 91.70): VD067292.D (-1818) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.252 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067292.D

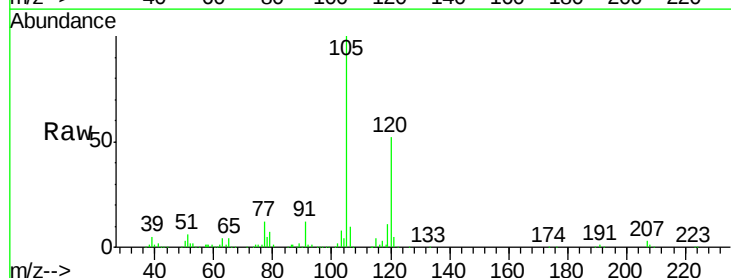
Acq: 16 Oct 2020 11:55

Tgt Ion:105 Resp: 269891

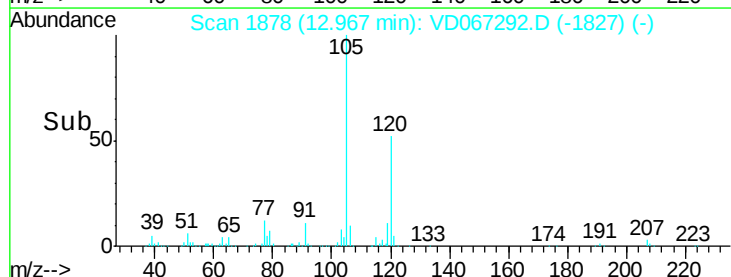
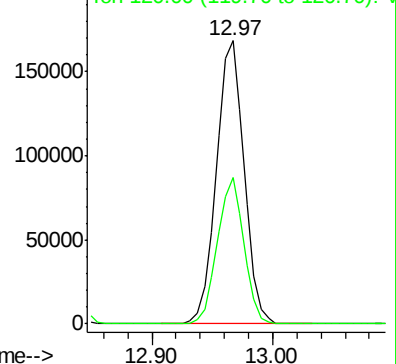
Ion Ratio Lower Upper

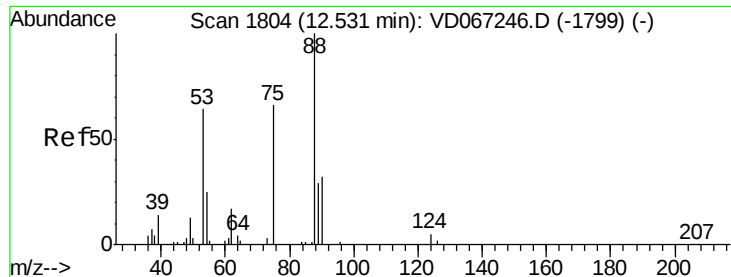
105 100

120 49.4 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067292.D (-1827) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 20.064 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Instrument :

MSVOA_D

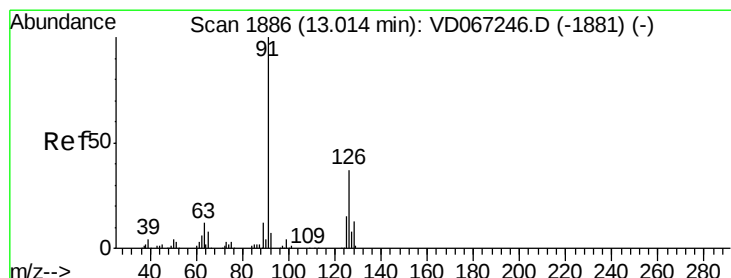
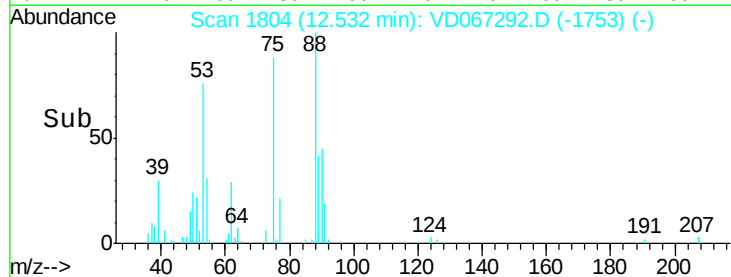
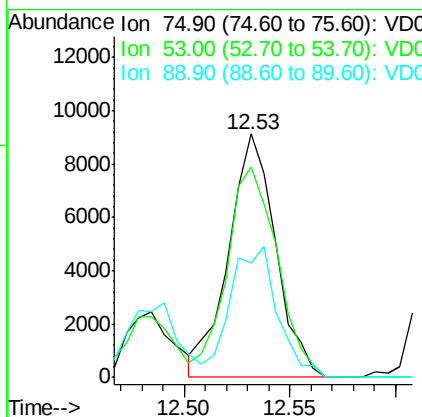
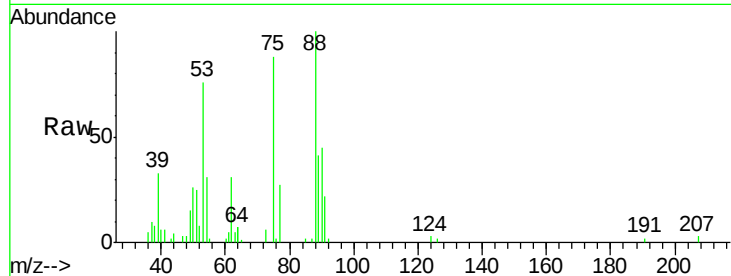
ClientSampleId :

VD1016SBS01

Tot Ion:	75	Resp:	14120
Ion	Ratio	Lower	Upper
75	100		
53	92.3	78.5	117.7
89	53.6	39.9	59.9

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#82

4-Chlorotoluene

Concen: 21.411 ug/l

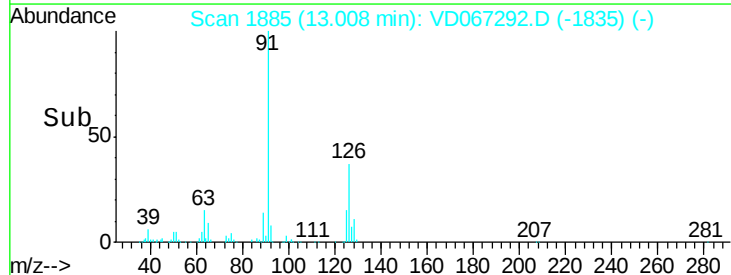
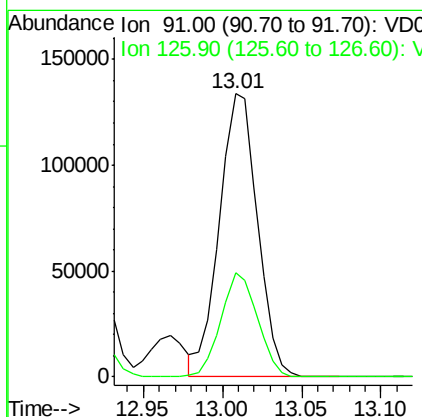
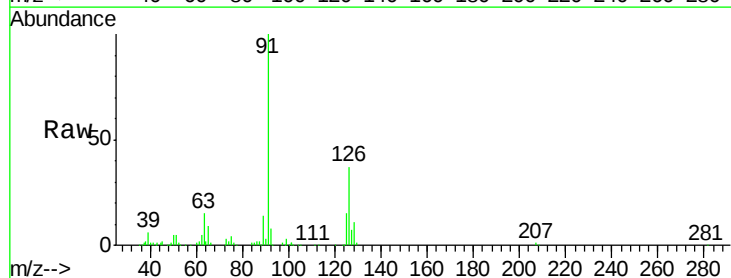
RT: 13.01 min Scan# 1885

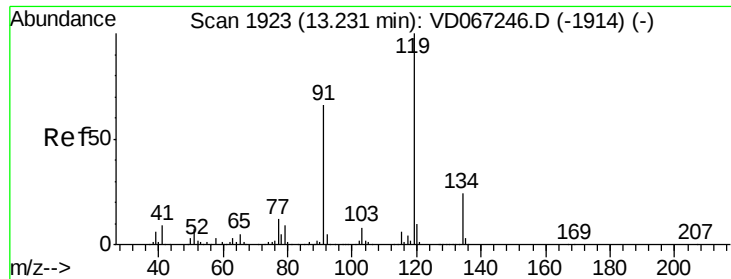
Delta R.T. -0.01 min

Lab File: VD067292.D

Acq: 16 Oct 2020 11:55

Tgt Ion:	91	Resp:	223135
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5





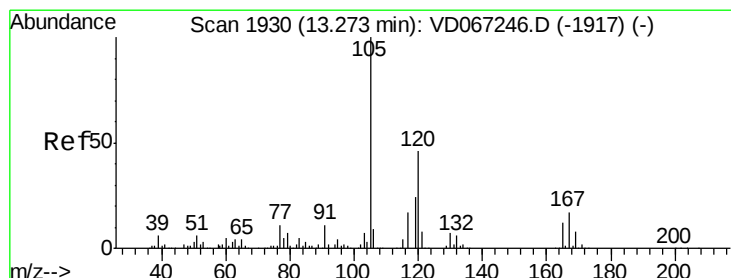
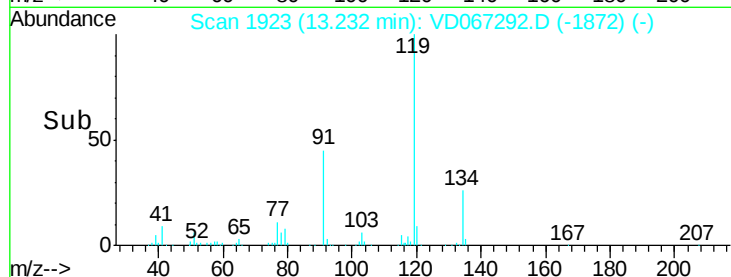
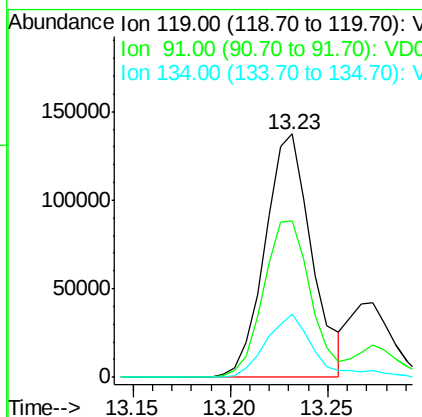
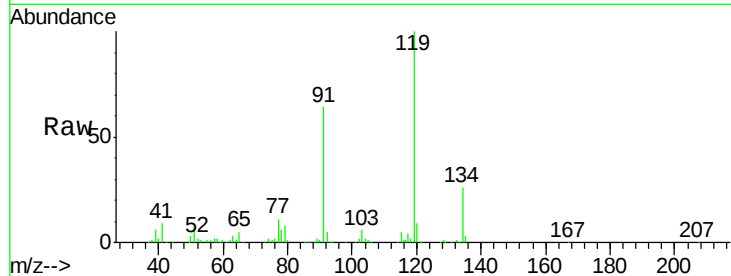
#83
tert-Butylbenzene
Concen: 21.202 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.0	33.1	99.2
134	26.9	13.3	39.9

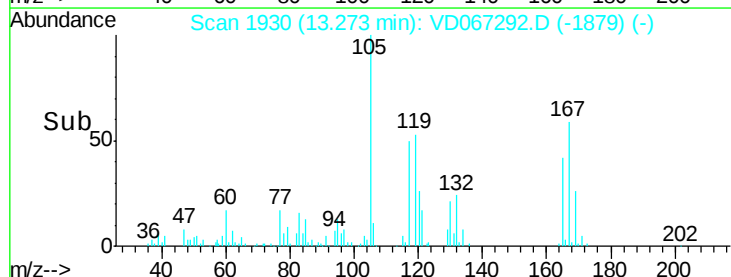
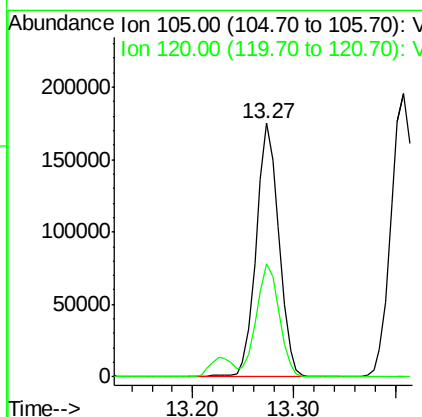
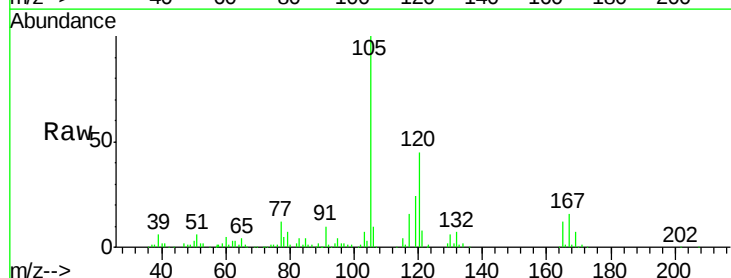
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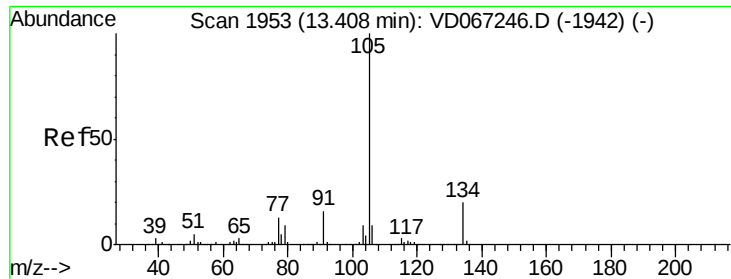
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#84
1,2,4-Trimethylbenzene
Concen: 21.613 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.4	67.3





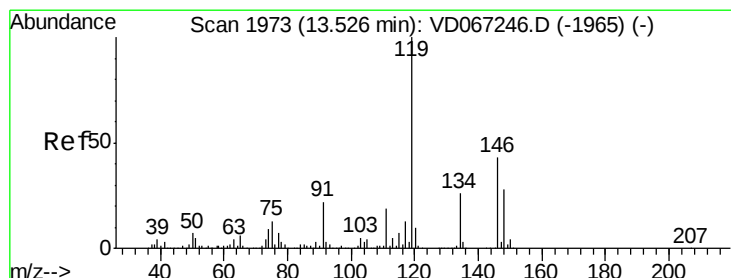
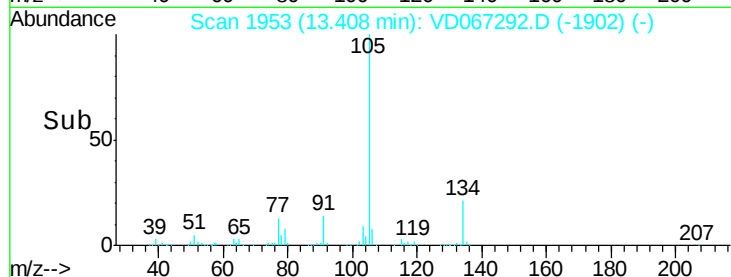
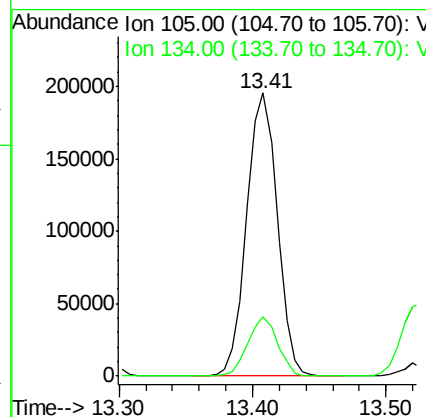
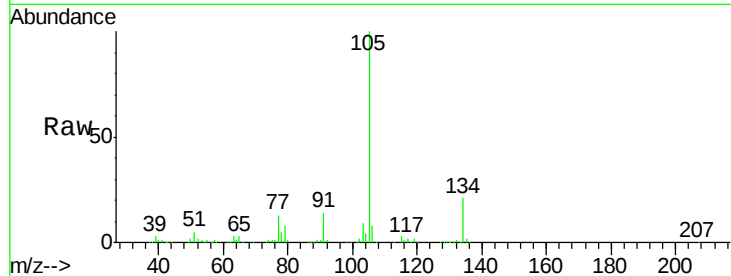
#85
 sec-Butylbenzene
 Concen: 20.983 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.4	10.5	31.5

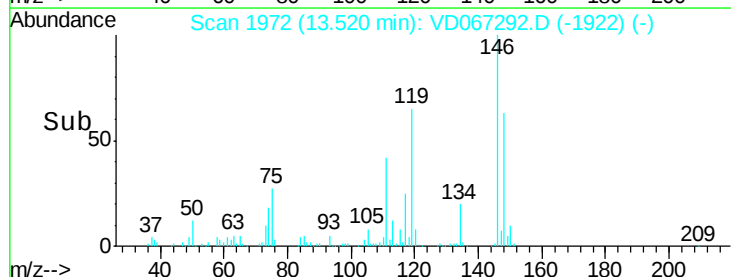
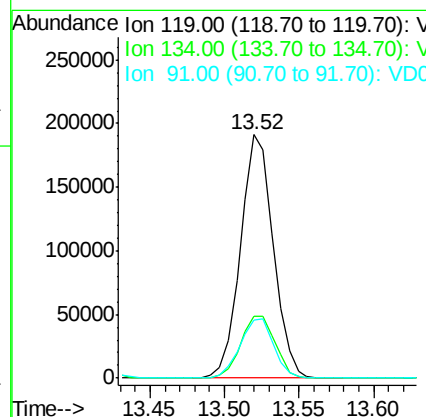
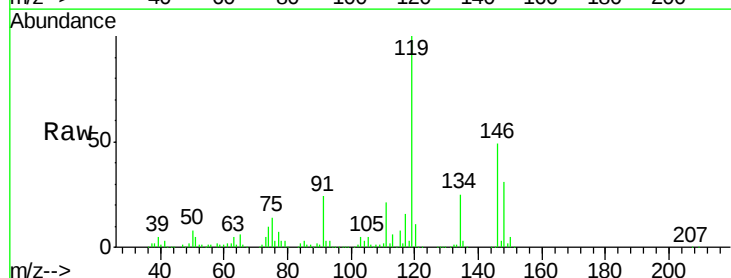
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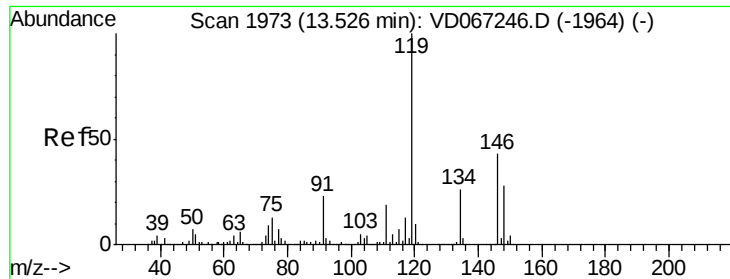
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#86
 p-Isopropyltoluene
 Concen: 21.018 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.1	39.3
91	24.8	11.9	35.9





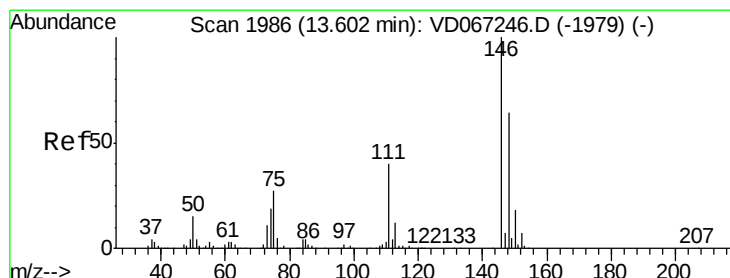
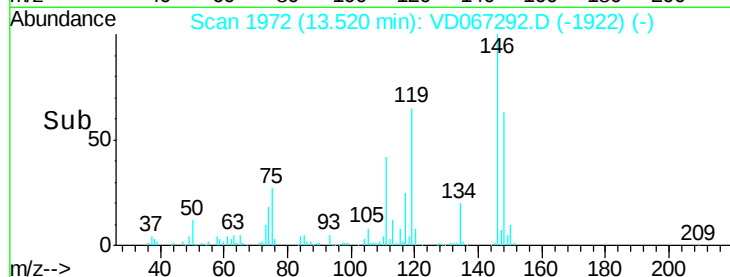
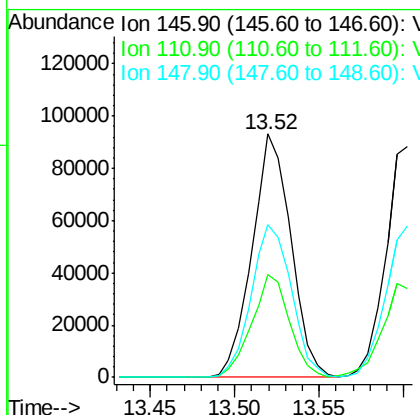
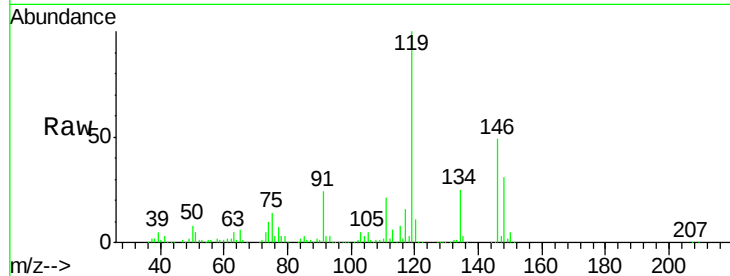
#87
 1,3-Dichlorobenzene
 Concen: 21.260 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	149087		
111	41.0	21.1	63.3	
148	64.8	31.9	95.9	

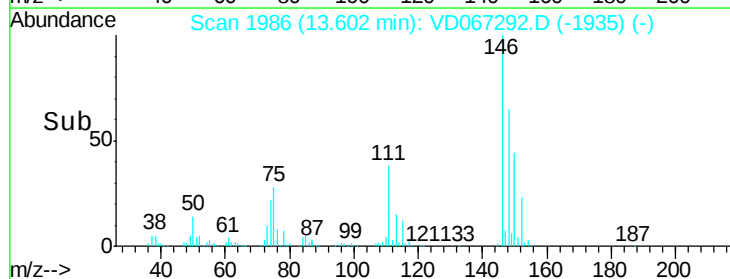
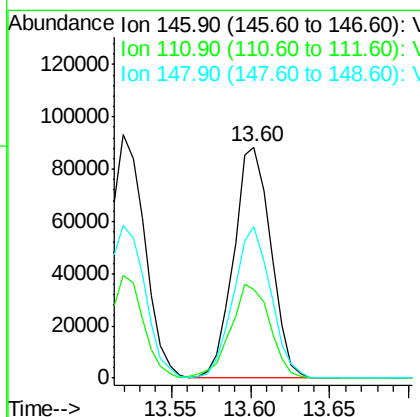
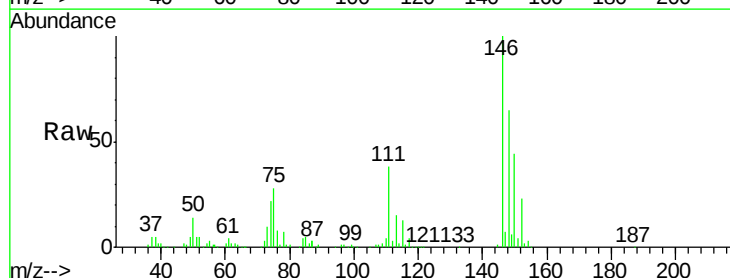
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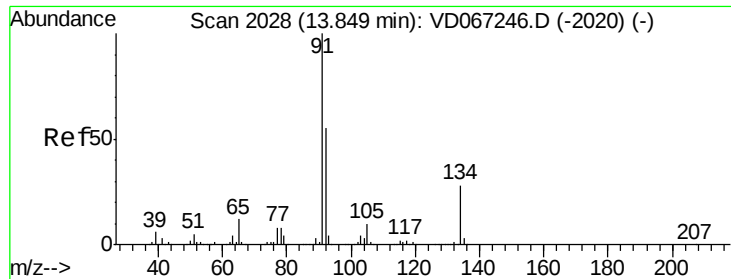
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#88
 1,4-Dichlorobenzene
 Concen: 20.747 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	144146		
111	42.7	19.9	59.7	
148	66.2	31.9	95.9	





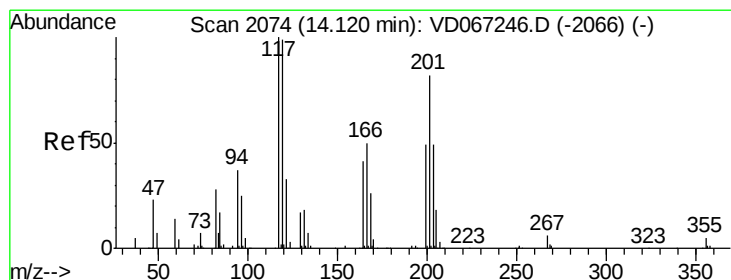
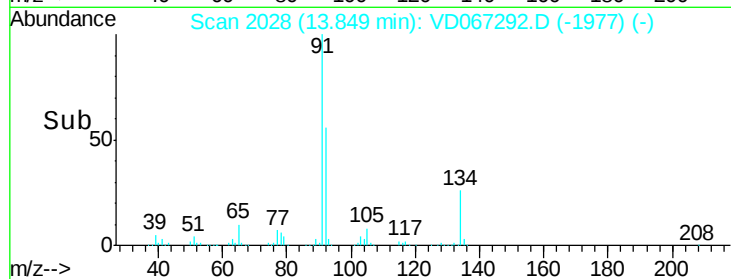
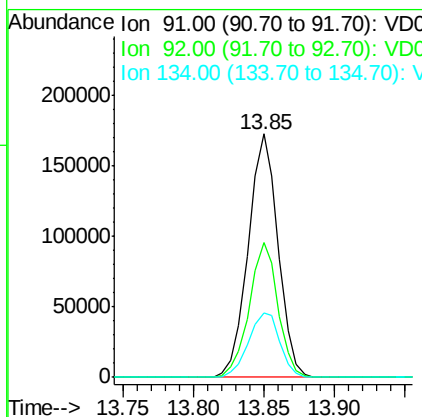
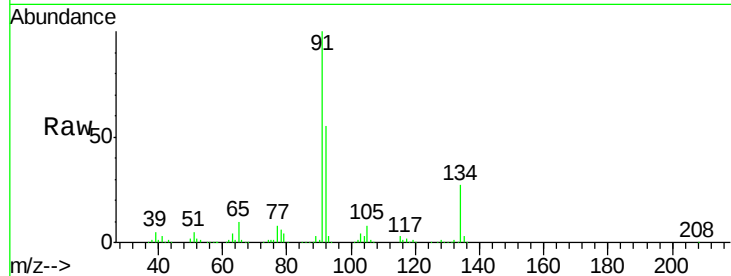
#89
n-Butylbenzene
Concen: 21.040 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.3	26.7	80.0	
134	27.9	14.2	42.6	

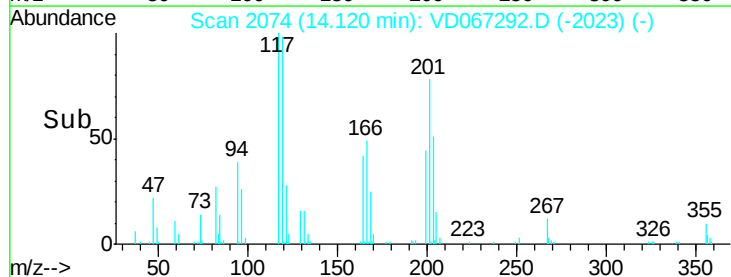
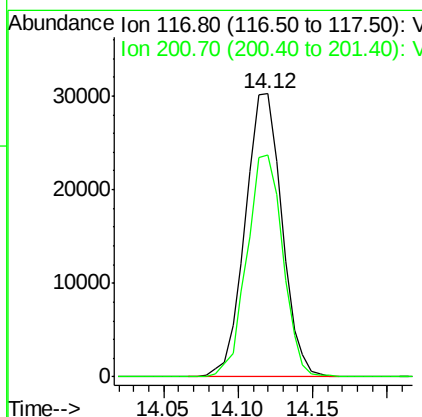
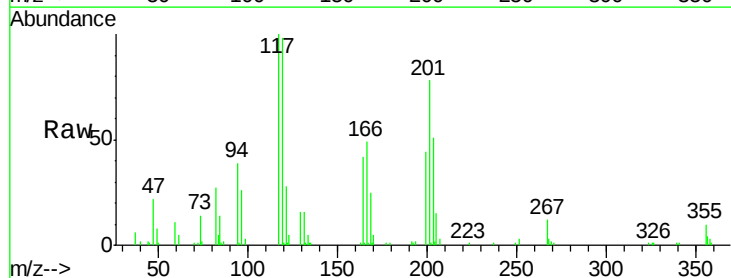
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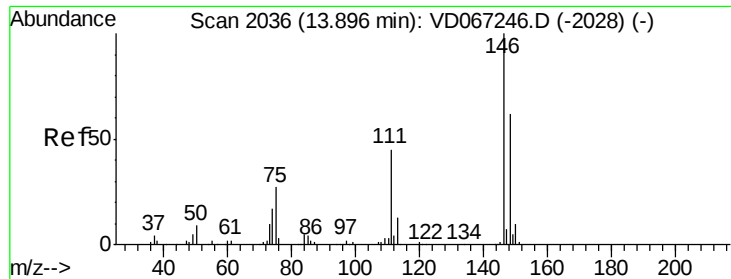
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#90
Hexachloroethane
Concen: 21.292 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	76.3	40.8	122.2	





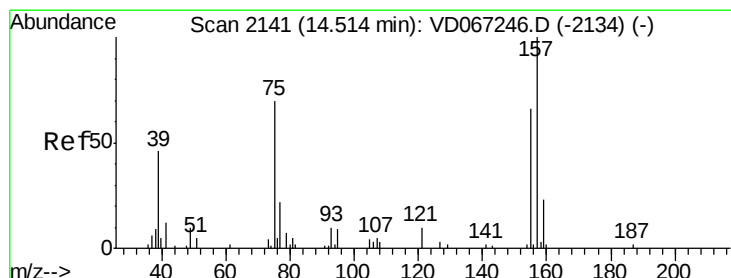
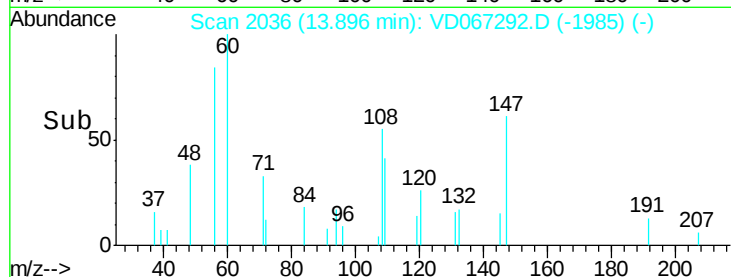
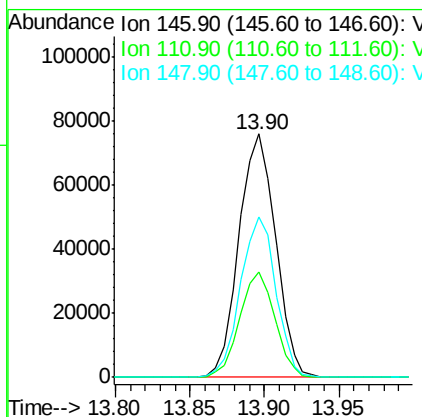
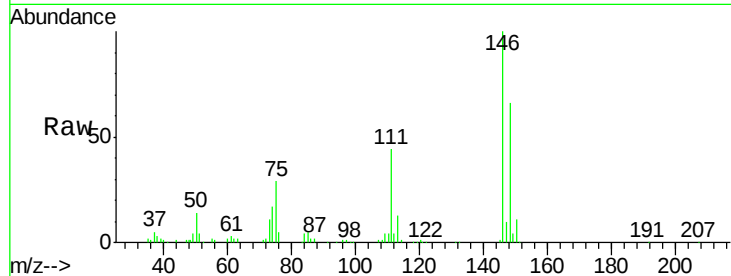
#91
 1,2-Dichlorobenzene
 Concen: 21.162 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	22.0	66.0
148	63.6	32.5	97.5

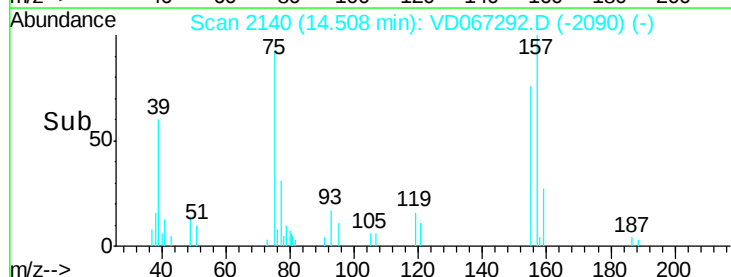
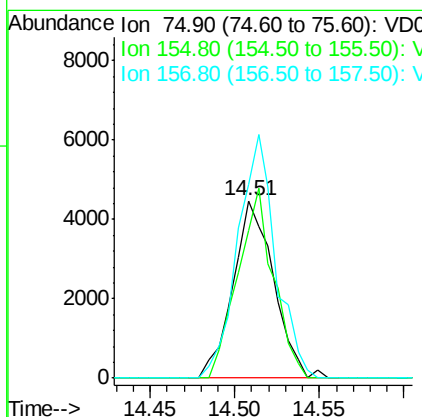
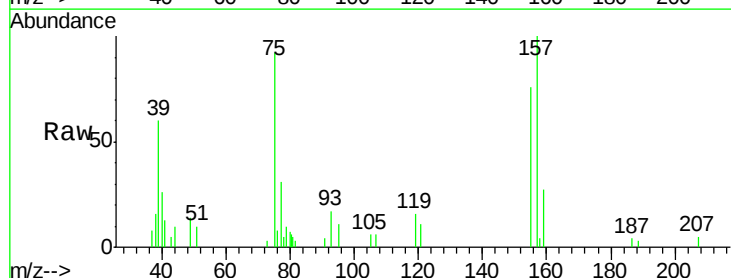
Manual Integrations
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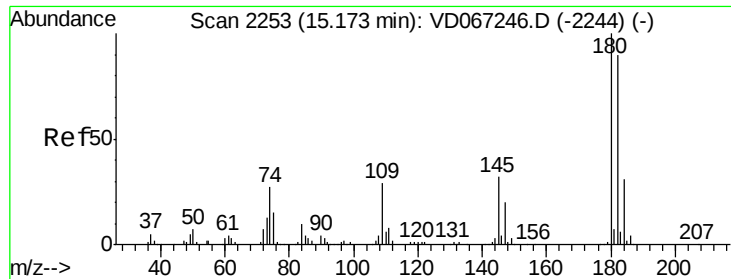
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.378 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.3	44.8	134.4
157	127.6	62.5	187.4





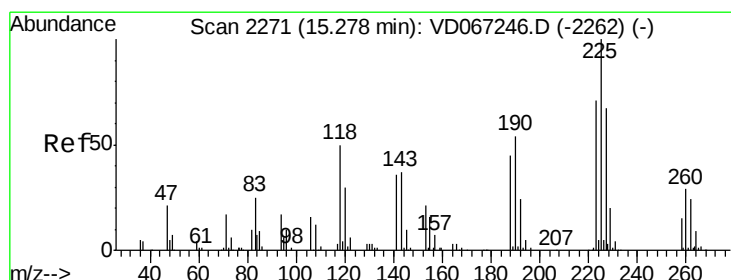
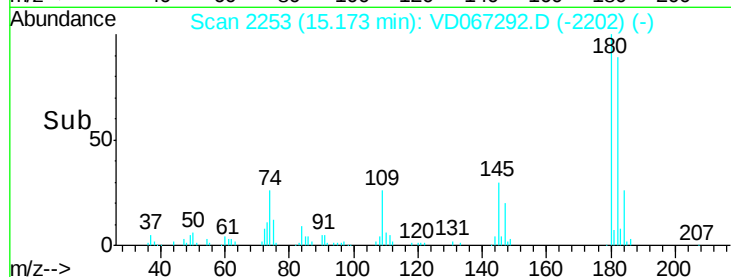
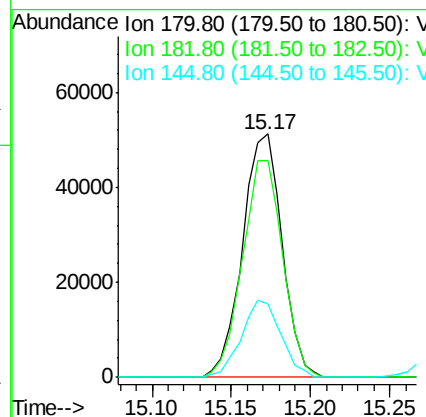
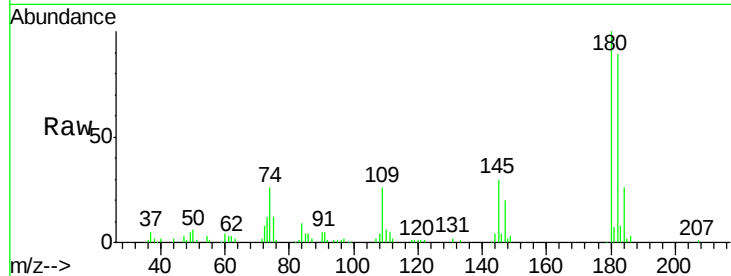
#93
 1,2,4-Trichlorobenzene
 Concen: 21.487 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1016SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.0	48.1	144.4
145	31.6	16.3	48.9

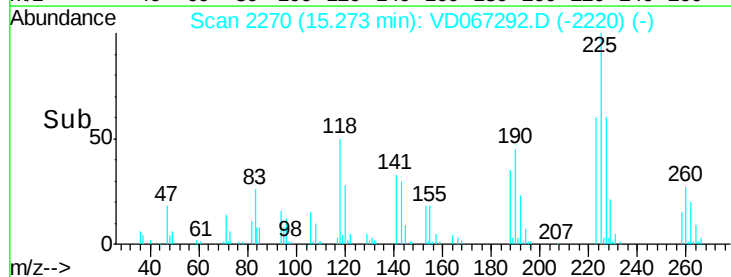
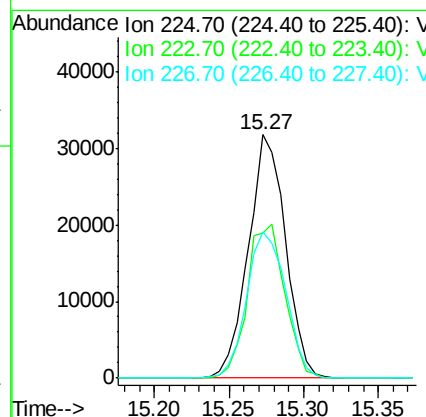
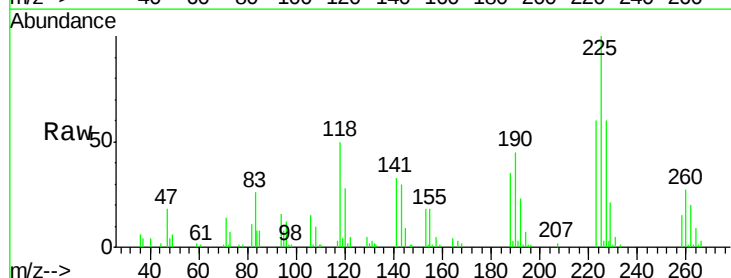
Manual Integrations
 APPROVED

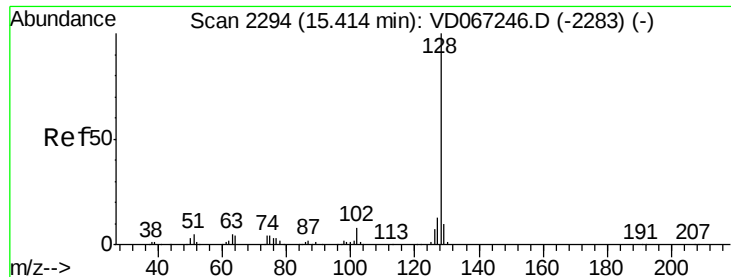
MMDadoda
 10/19/2020 11:09:27 AM



#94
 Hexachlorobutadiene
 Concen: 21.326 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067292.D
 Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.9	95.7
227	63.4	31.2	93.6





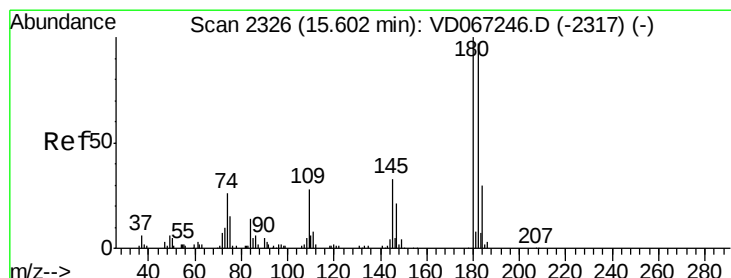
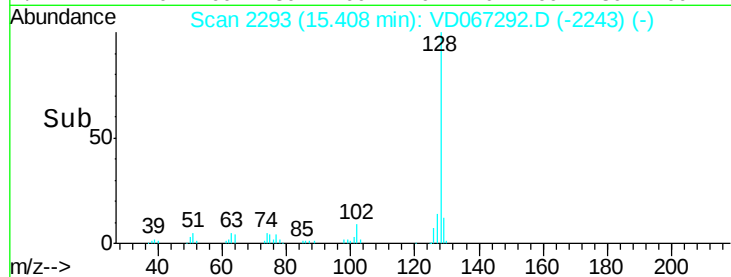
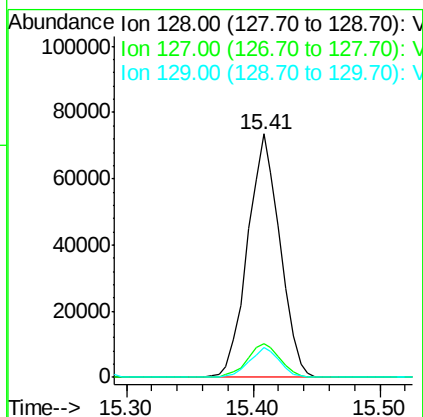
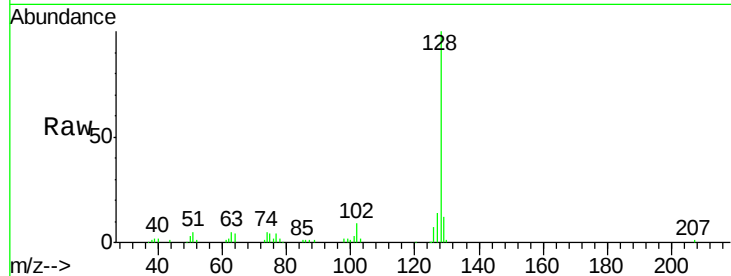
#95
Naphthalene
Concen: 19.208 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Instrument :
MSVOA_D
ClientSampleId :
VD1016SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.4	15.6
129	11.5	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/19/2020 11:09:27 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.356 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067292.D
Acq: 16 Oct 2020 11:55

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	48.1	144.3
145	34.0	17.3	51.9

