

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067251.D
 Acq On : 13 Oct 2020 14:47
 Operator : VA/SY
 Sample : VD1013SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:19 PM

Quant Time: Oct 14 02:35:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	350690	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	534927	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	507490	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	257980	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173405	49.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.72%	
35) Dibromofluoromethane	7.91	113	183099	51.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.86%	
50) Toluene-d8	10.34	98	664044	51.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.08%	
62) 4-Bromofluorobenzene	12.64	95	233143	52.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	70236	22.550	ug/l	96
3) Chloromethane	2.20	50	47119	21.349	ug/l	100
4) Vinyl Chloride	2.35	62	50484	20.847	ug/l	96
5) Bromomethane	2.76	94	36722	20.401	ug/l	94
6) Chloroethane	2.91	64	29585	19.617	ug/l	97
7) Trichlorofluoromethane	3.27	101	126320	20.716	ug/l	100
8) Diethyl Ether	3.70	74	28852	20.677	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.09	101	69120	21.335	ug/l	98
10) Methyl Iodide	4.30	142	54957	18.389	ug/l	96
11) Tert butyl alcohol	5.21	59	27816m	130.481	ug/l	
12) 1,1-Dichloroethene	4.06	96	62805	21.699	ug/l	91
13) Acrolein	3.93	56	15598	89.510	ug/l	97
14) Allyl chloride	4.71	41	69458	20.956	ug/l	99
15) Acrylonitrile	5.43	53	49727	106.805	ug/l	99
16) Acetone	4.16	43	50237	102.097	ug/l	99
17) Carbon Disulfide	4.40	76	171415	20.775	ug/l	96
18) Methyl Acetate	4.71	43	24842	22.135	ug/l	95
19) Methyl tert-butyl Ether	5.47	73	123821	21.515	ug/l	100
20) Methylene Chloride	4.96	84	79713	22.854	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	69307	20.809	ug/l	93
22) Diisopropyl ether	6.36	45	137684	22.739	ug/l	96
23) Vinyl Acetate	6.30	43	384735	111.688	ug/l	98
24) 1,1-Dichloroethane	6.26	63	111649	21.541	ug/l	97
25) 2-Butanone	7.21	43	60698	108.218	ug/l	94
26) 2,2-Dichloropropane	7.21	77	108257	20.264	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	76632	20.993	ug/l	96
28) Bromochloromethane	7.55	49	35204	19.913	ug/l	99
29) Tetrahydrofuran	7.56	42	34545	110.797	ug/l	96
30) Chloroform	7.71	83	131329	21.211	ug/l	92
31) Cyclohexane	7.98	56	83240	20.570	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	126883	20.886	ug/l	98
36) 1,1-Dichloropropene	8.11	75	93446	20.611	ug/l	99
37) Ethyl Acetate	7.29	43	27946	20.950	ug/l #	93
38) Carbon Tetrachloride	8.10	117	121200	20.916	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	97917	20.658	ug/l	96
40) Benzene	8.35	78	263469	21.182	ug/l	99
41) Methacrylonitrile	7.52	41	17027	23.621	ug/l #	74
42) 1,2-Dichloroethane	8.42	62	80688	20.729	ug/l	99
43) Isopropyl Acetate	8.45	43	58059	21.935	ug/l	98
44) Trichloroethene	9.11	130	83974	21.086	ug/l	94
45) 1,2-Dichloropropane	9.38	63	61200	21.231	ug/l	93
46) Dibromomethane	9.48	93	36499	20.322	ug/l	96
47) Bromodichloromethane	9.66	83	102075	21.213	ug/l	100
48) Methyl methacrylate	9.46	41	26543	20.635	ug/l	99
49) 1,4-Dioxane	9.46	88	7708	426.049	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	144571	109.508	ug/l	98
52) Toluene	10.41	92	179864	21.231	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	89247	21.113	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	103710	20.964	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	52358	21.378	ug/l	99
56) Ethyl methacrylate	10.66	69	54083	21.292	ug/l	96
57) 1,3-Dichloropropane	10.95	76	85543	21.948	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	141168	108.339	ug/l	100
59) 2-Hexanone	10.99	43	100828	111.767	ug/l	99
60) Dibromochloromethane	11.14	129	75369	21.102	ug/l	99
61) 1,2-Dibromoethane	11.25	107	51062	21.148	ug/l	97
64) Tetrachloroethene	10.88	164	71064	19.327	ug/l	97
65) Chlorobenzene	11.68	112	205790	21.146	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	79964	20.674	ug/l	97
67) Ethyl Benzene	11.75	91	340161	20.391	ug/l	100
68) m/p-Xylenes	11.86	106	267293	41.609	ug/l	99
69) o-Xylene	12.18	106	121110	20.359	ug/l	98
70) Styrene	12.20	104	213568	20.856	ug/l	99
71) Bromoform	12.37	173	43589	20.978	ug/l #	99
73) Isopropylbenzene	12.48	105	341949	20.885	ug/l	99
74) N-amyl acetate	12.29	43	53490	21.631	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	52996	21.125	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	32584m	18.223	ug/l	
77) Bromobenzene	12.77	156	87529	21.443	ug/l	97
78) n-propylbenzene	12.83	91	391710	20.649	ug/l	98
79) 2-Chlorotoluene	12.91	91	230906	20.989	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	297930	20.939	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	16909	21.445	ug/l	97
82) 4-Chlorotoluene	13.01	91	240467	20.595	ug/l	99
83) tert-Butylbenzene	13.23	119	249196	20.734	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	294443	20.938	ug/l	99
85) sec-Butylbenzene	13.41	105	337557	20.469	ug/l	99
86) p-Isopropyltoluene	13.53	119	322830	20.740	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	161933	20.610	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	164647	21.151	ug/l	99
89) n-Butylbenzene	13.85	91	281070	20.525	ug/l	99
90) Hexachloroethane	14.12	117	55283	20.352	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	139038	20.257	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	9139	20.052	ug/l	93

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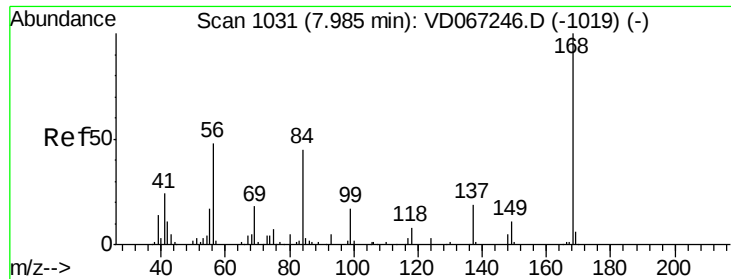
Manual Integrations
APPROVED

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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	95223	20.577	ug/l	99
94) Hexachlorobutadiene	15.28	225	57565	20.031	ug/l	98
95) Naphthalene	15.41	128	155149	20.420	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	82426	20.617	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: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion:168 Resp: 350690

Ion Ratio Lower Upper

168 100

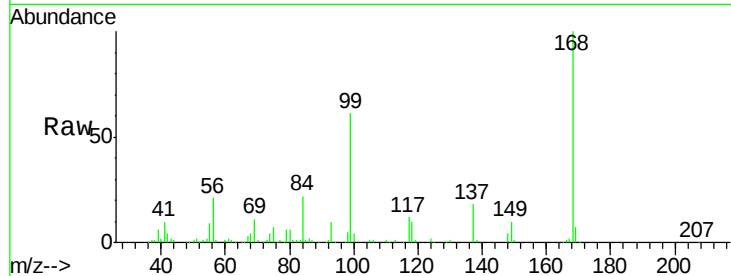
99 60.7 45.9 68.9

Manual Integrations

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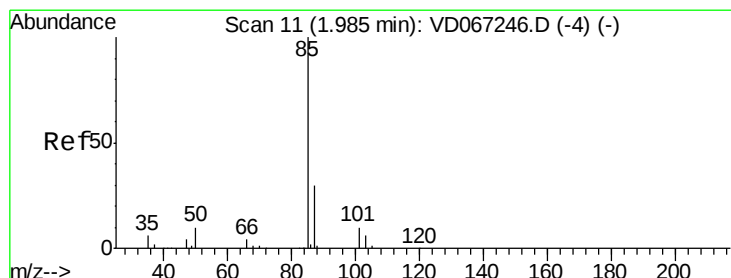
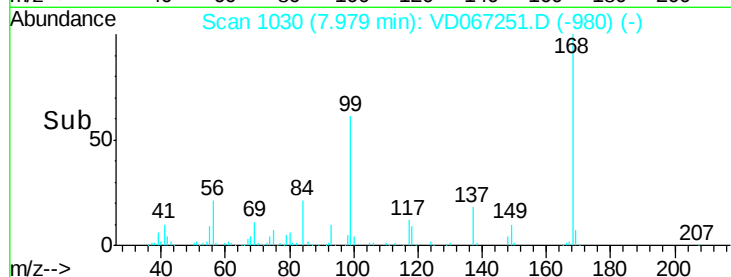
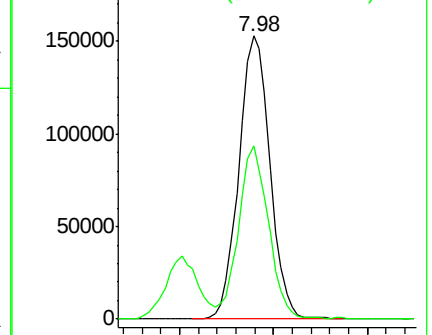
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 22.550 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067251.D

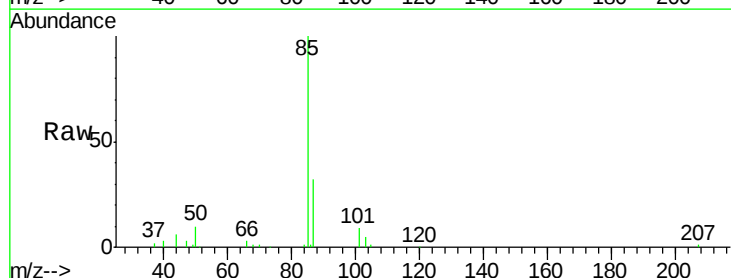
Acq: 13 Oct 2020 14:47

Tgt Ion: 85 Resp: 70236

Ion Ratio Lower Upper

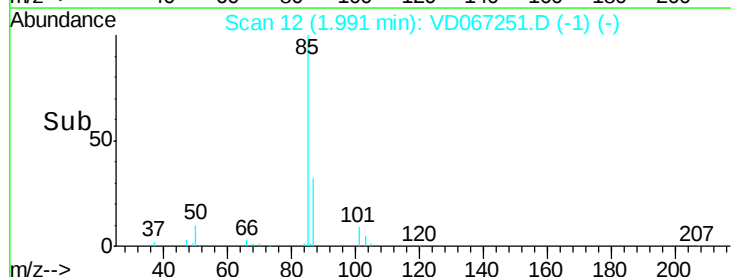
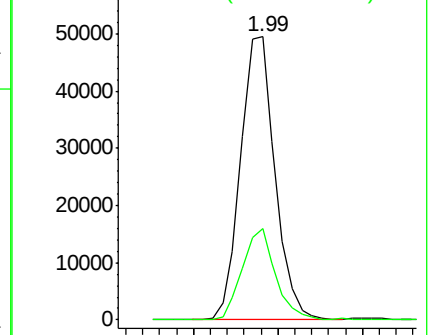
85 100

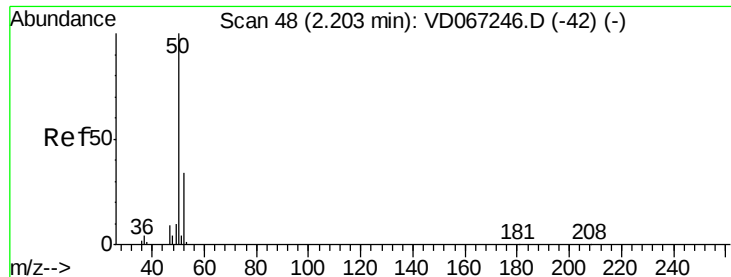
87 32.4 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 21.349 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 50 Resp: 47119

Ion Ratio Lower Upper

50 100

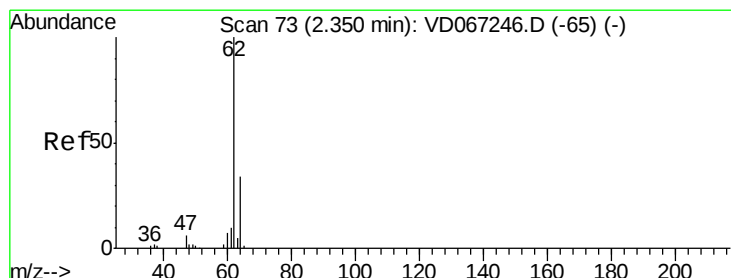
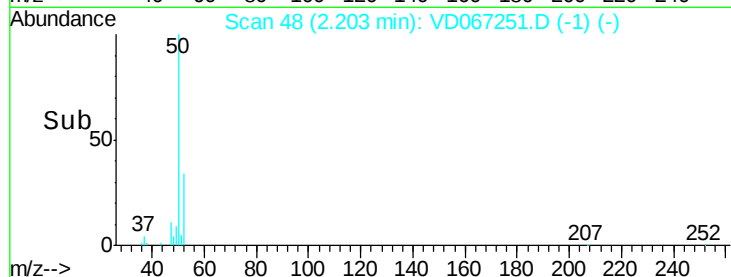
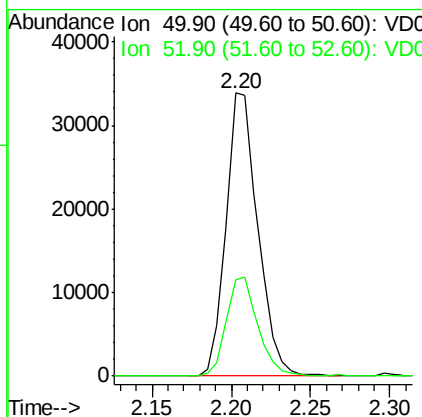
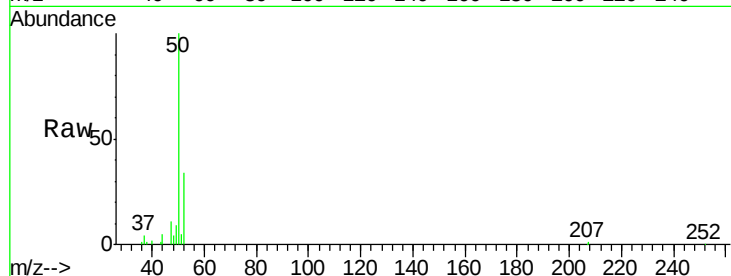
52 34.1 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.847 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067251.D

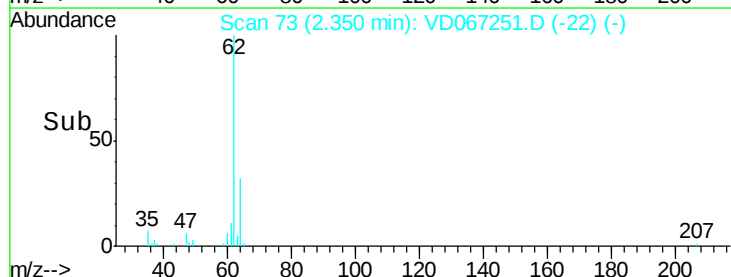
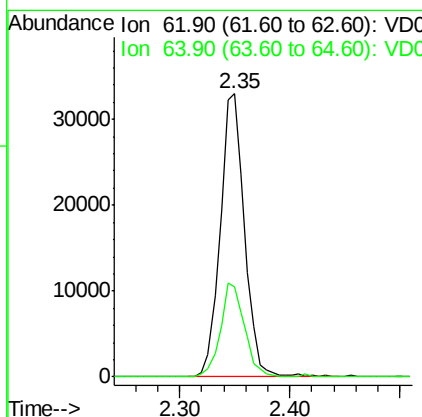
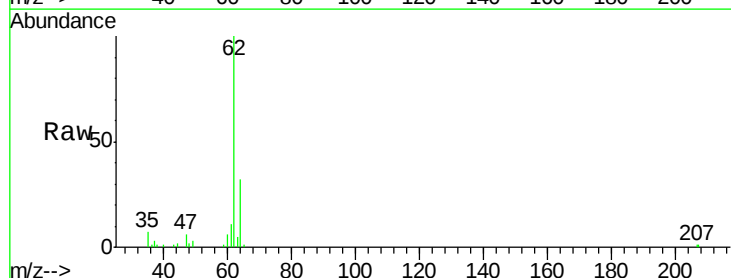
Acq: 13 Oct 2020 14:47

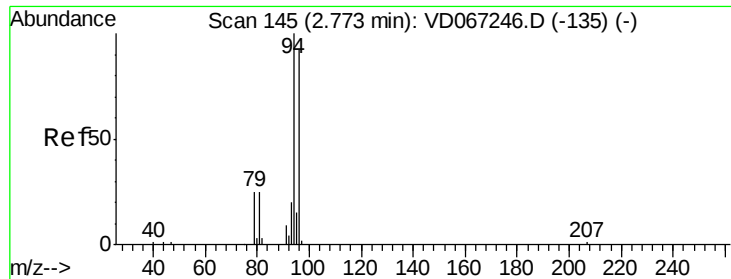
Tgt Ion: 62 Resp: 50484

Ion Ratio Lower Upper

62 100

64 31.6 27.4 41.0





#5

Bromomethane

Concen: 20.401 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 94 Resp: 36722

Ion Ratio Lower Upper

94 100

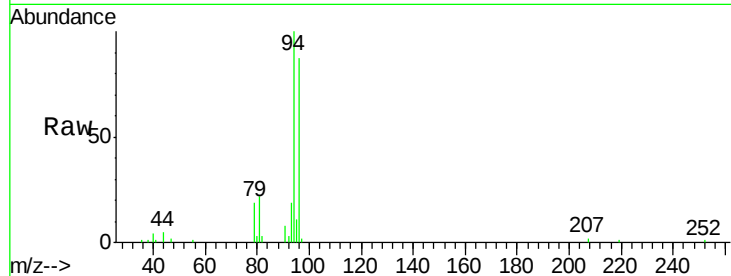
96 86.7 73.8 110.6

Manual Integrations

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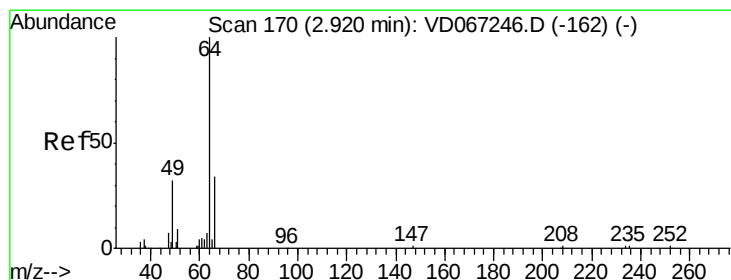
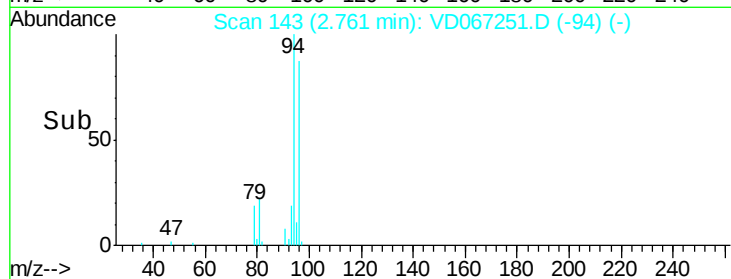
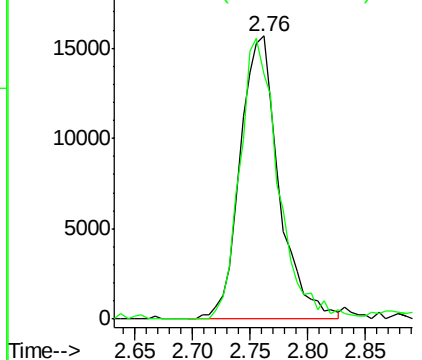
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.617 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067251.D

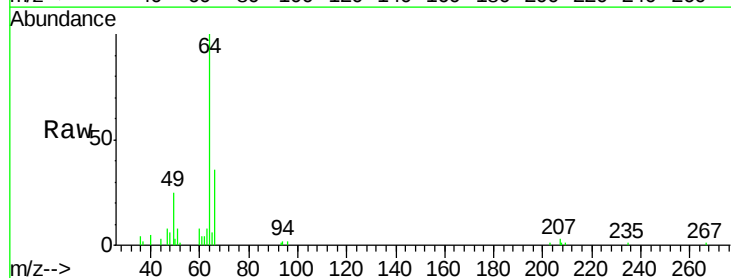
Acq: 13 Oct 2020 14:47

Tgt Ion: 64 Resp: 29585

Ion Ratio Lower Upper

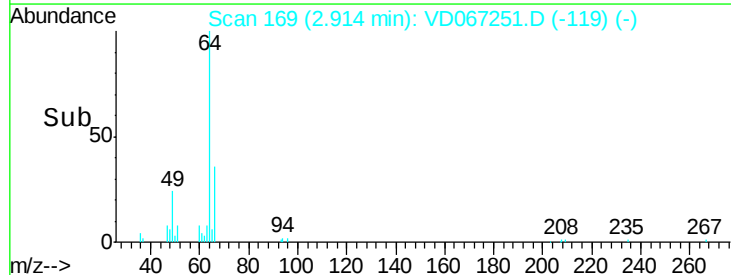
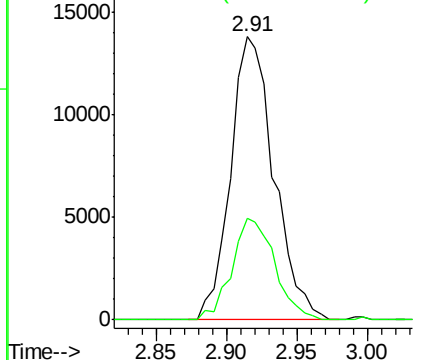
64 100

66 35.9 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

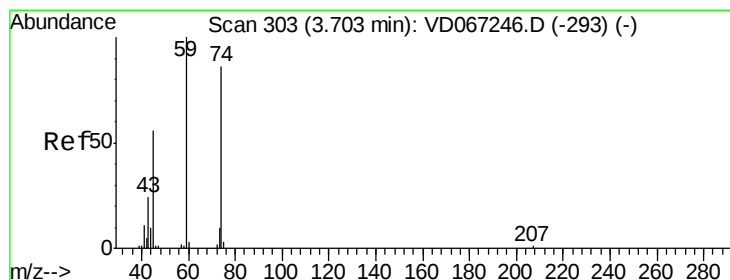
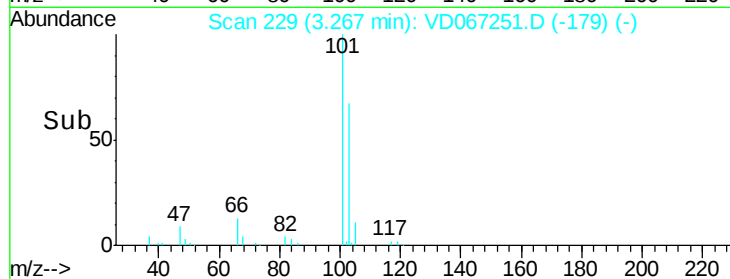
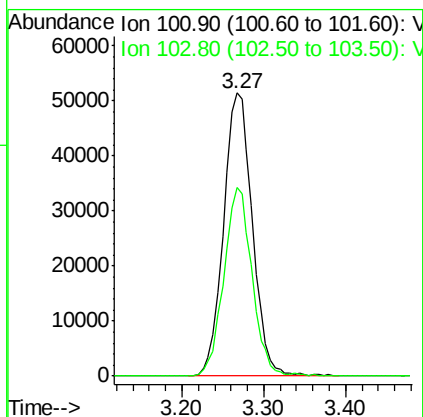
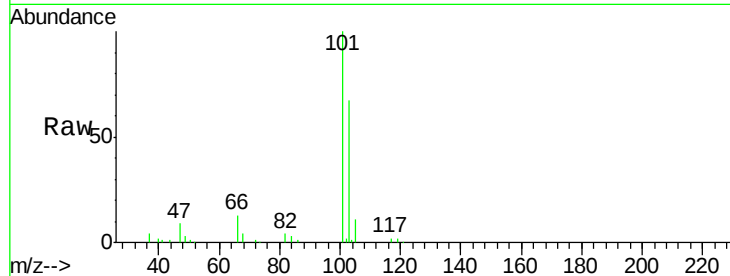
Trichlorofluoromethane
 Concen: 20.716 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

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 VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
101	100	126320		
103	66.6	53.1	79.7	

Manual Integrations
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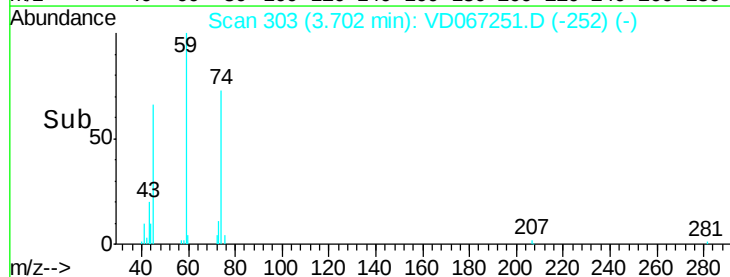
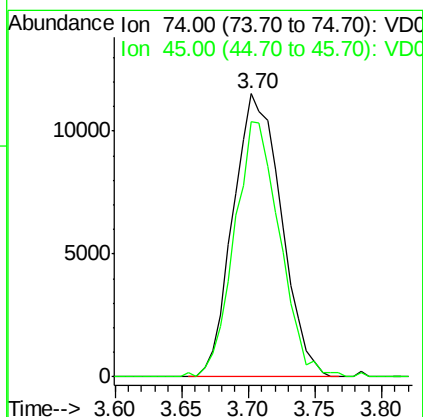
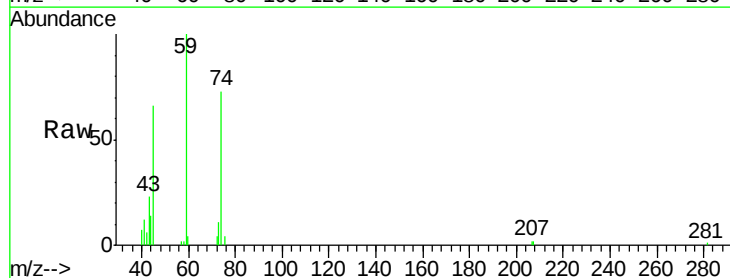
MMDadoda
 10/14/2020 2:10:19 PM

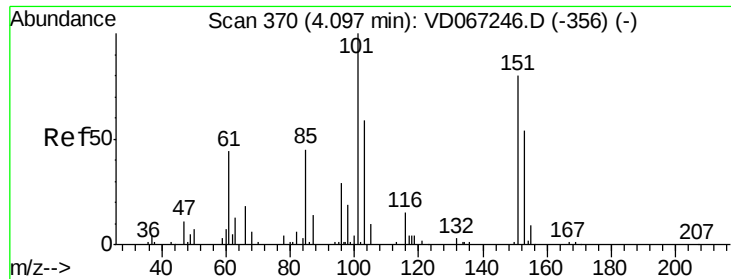


#8

Diethyl Ether
 Concen: 20.677 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	28852		
45	84.8	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.335 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

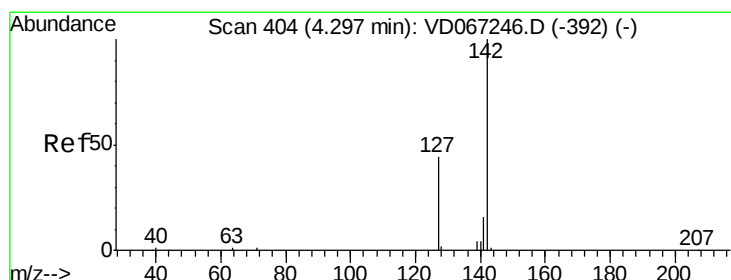
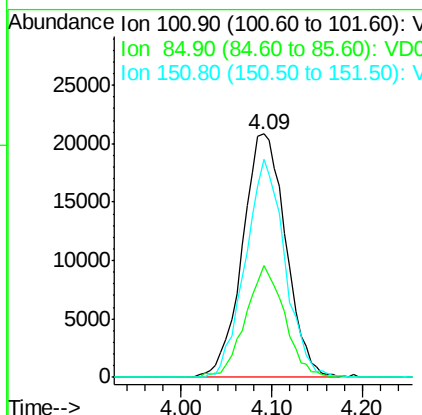
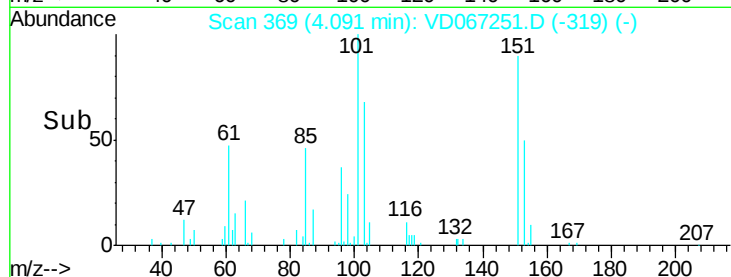
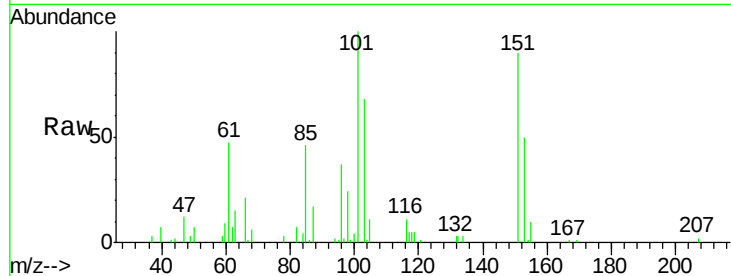
ClientSampleId :

VD1013SBS01

Tot Ion:	101	Resp:	69120
Ion Ratio	Lower	Upper	
101	100		
85	41.2	34.2	51.4
151	81.7	66.3	99.5

Manual Integrations
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MMDadoda
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#10

Methyl Iodide

Concen: 18.389 ug/l

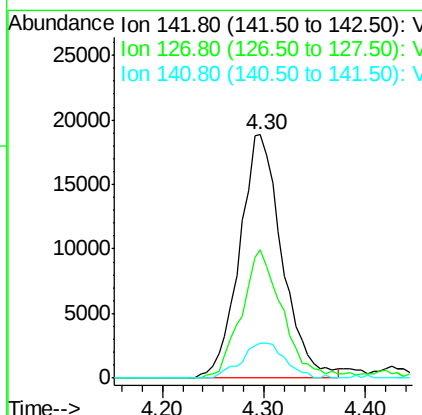
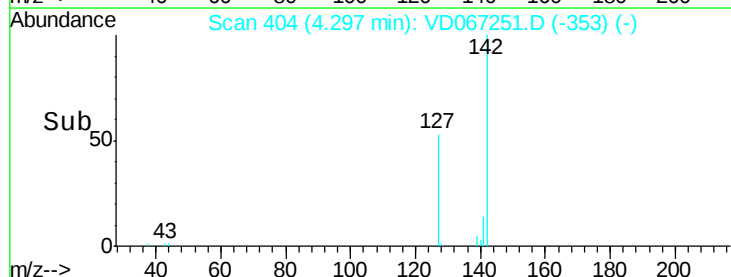
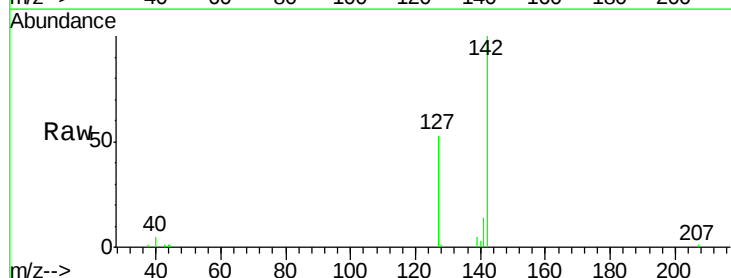
RT: 4.30 min Scan# 404

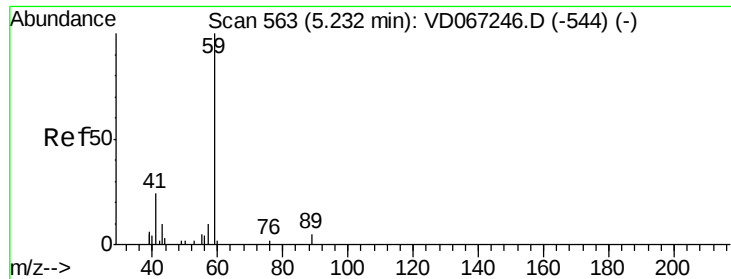
Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	142	Resp:	54957
Ion Ratio	Lower	Upper	
142	100		
127	51.2	38.4	57.6
141	14.8	11.6	17.4





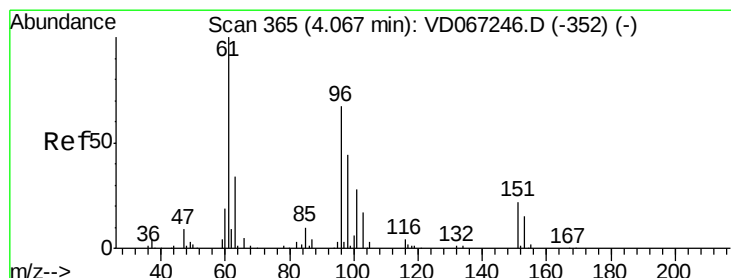
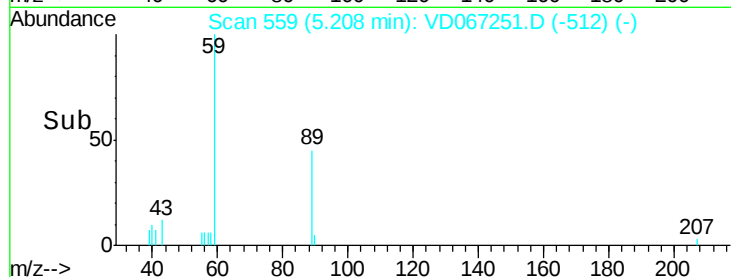
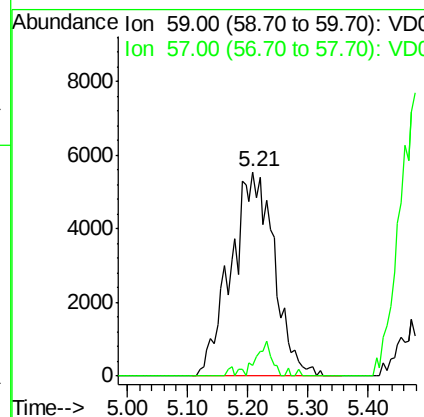
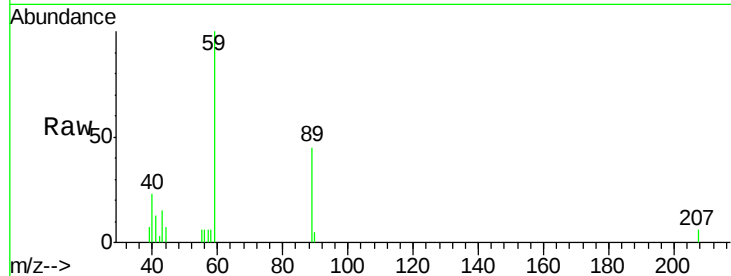
#11
Tert butyl alcohol
Concen: 130.481 ug/l m
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 59 Resp: 27816
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#

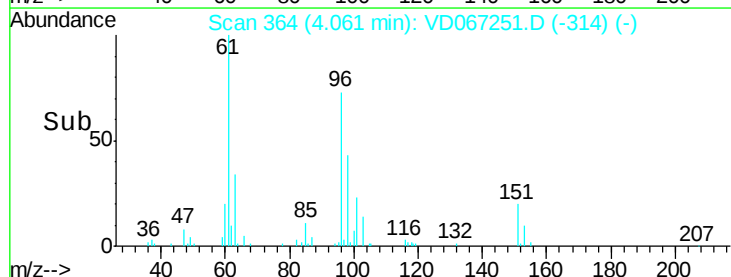
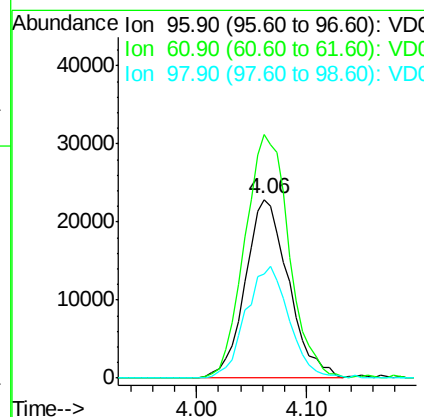
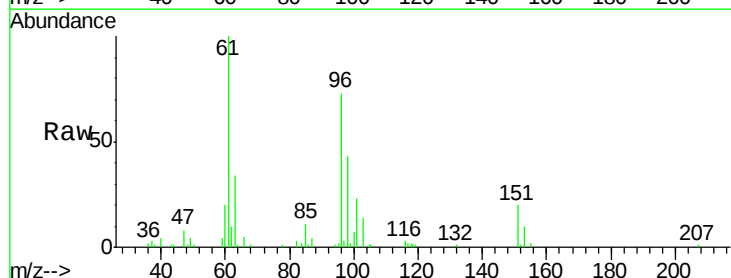
Manual Integrations
APPROVED

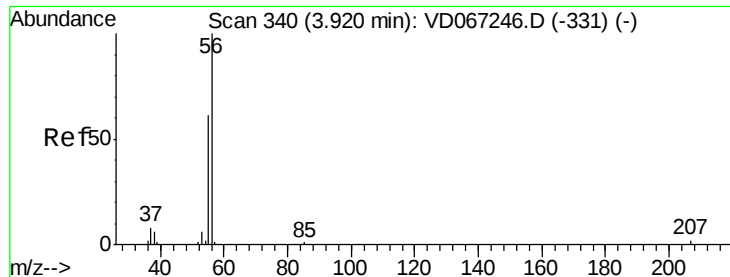
MMDadoda
10/14/2020 2:10:19 PM



#12
1,1-Dichloroethene
Concen: 21.699 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 96 Resp: 62805
Ion Ratio Lower Upper
96 100
61 136.1 118.6 177.8
98 58.3 51.8 77.6





#13

Acrolein

Concen: 89.510 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 56 Resp: 15598

Ion Ratio Lower Upper

56 100

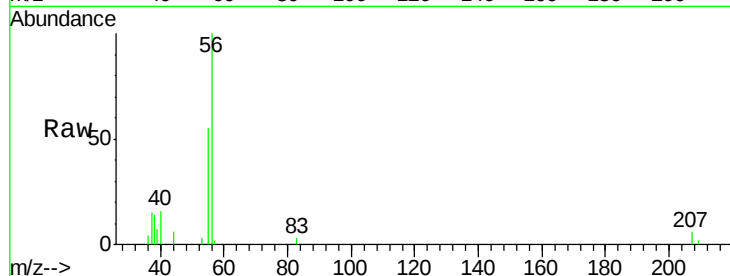
55 67.4 56.0 84.0

Manual Integrations

APPROVED

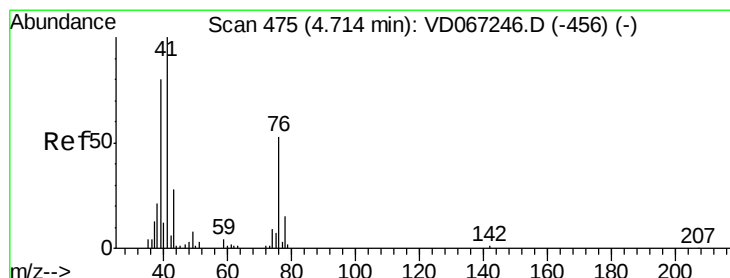
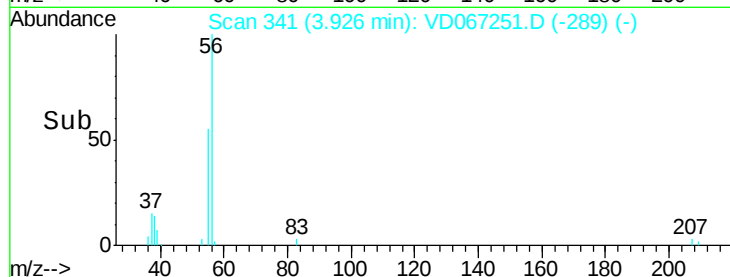
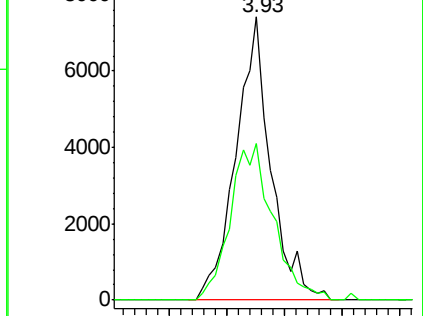
MMDadoda

10/14/2020 2:10:19 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 20.956 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

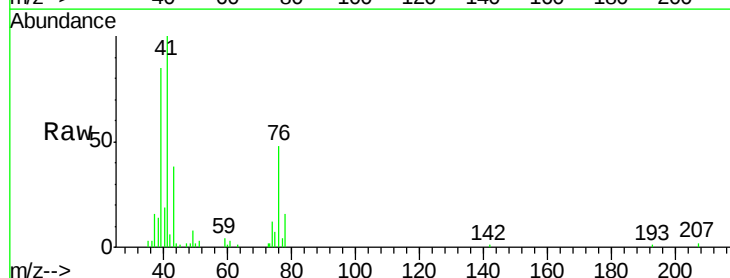
Tgt Ion: 41 Resp: 69458

Ion Ratio Lower Upper

41 100

39 79.7 63.8 95.6

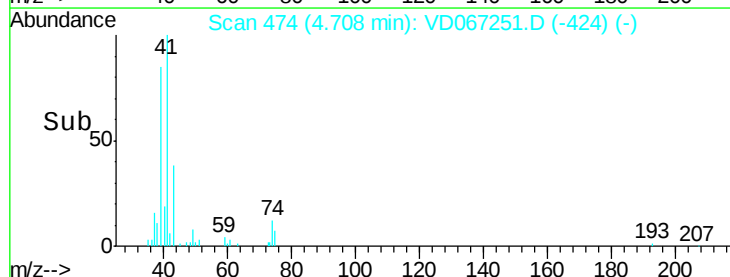
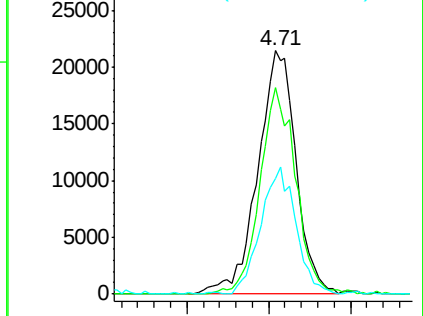
76 47.9 40.4 60.6

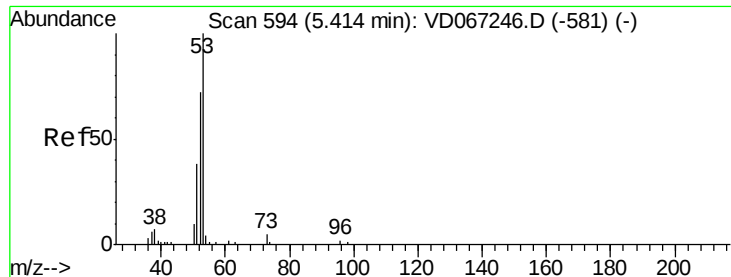


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 106.805 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

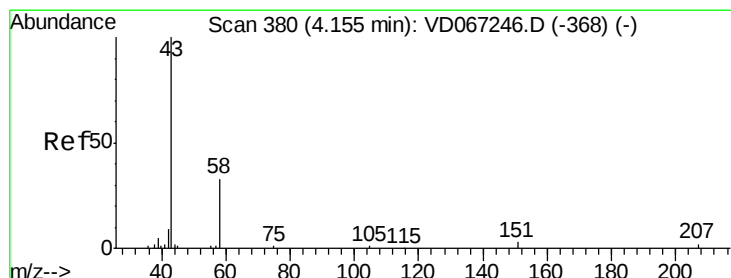
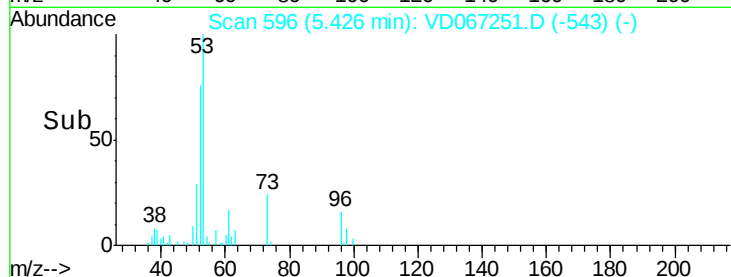
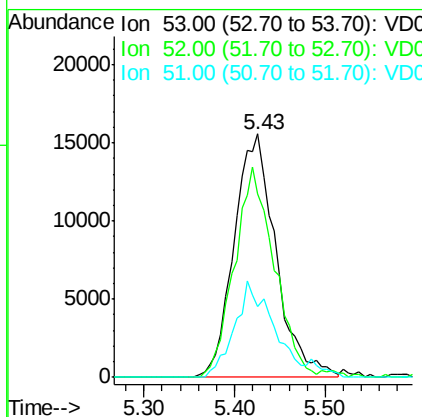
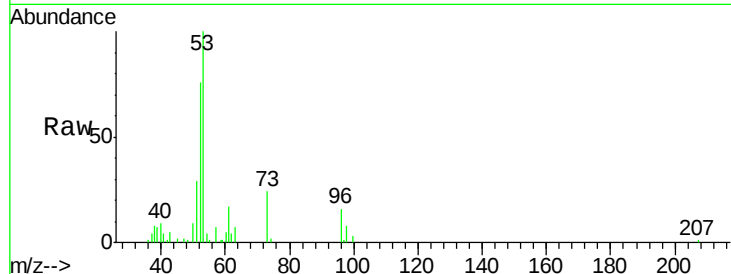
ClientSampleId :

VD1013SBS01

Tot Ion:	53	Resp:	49727
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.6	98.4
51	36.8	30.8	46.2

Manual Integrations
APPROVED

MMDadoda
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#16

Acetone

Concen: 102.097 ug/l

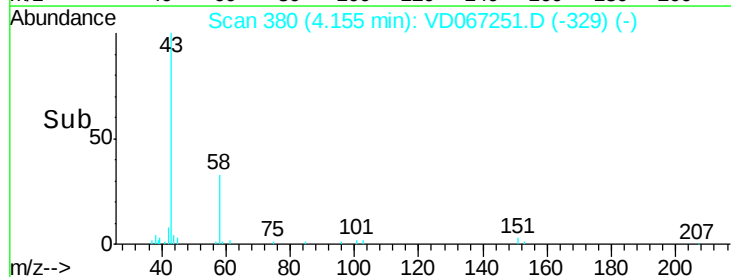
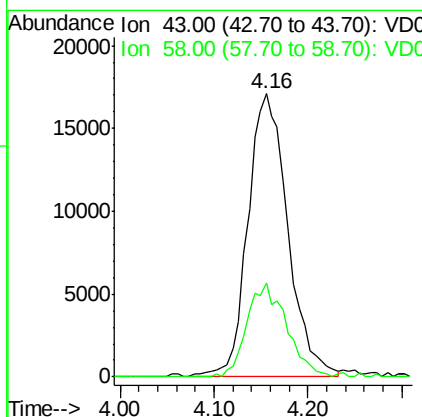
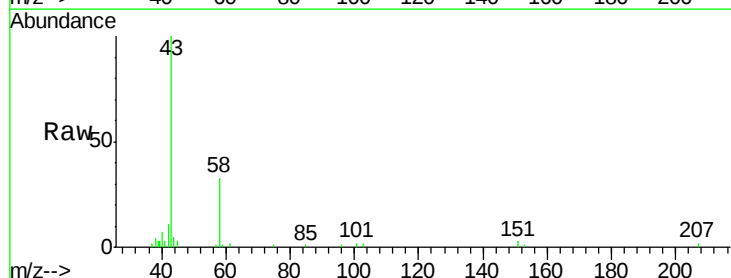
RT: 4.16 min Scan# 380

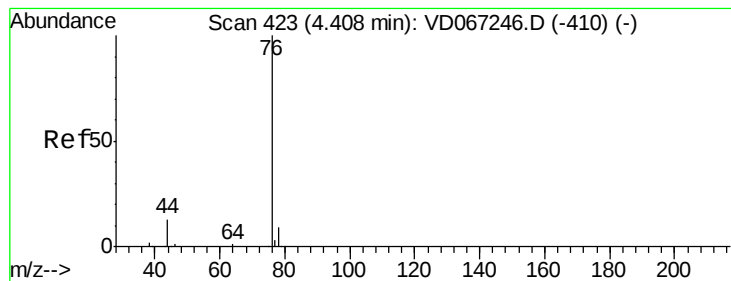
Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	43	Resp:	50237
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.1	39.1





#17

Carbon Disulfide

Concen: 20.775 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 76 Resp: 171415

Ion Ratio Lower Upper

76 100

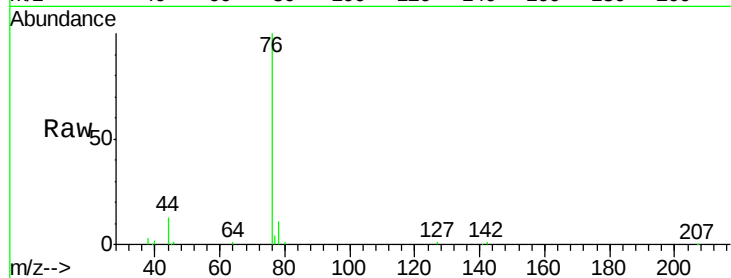
78 10.7 7.4 11.0

Manual Integrations

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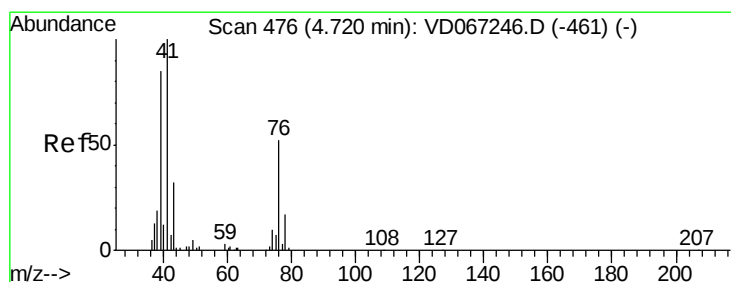
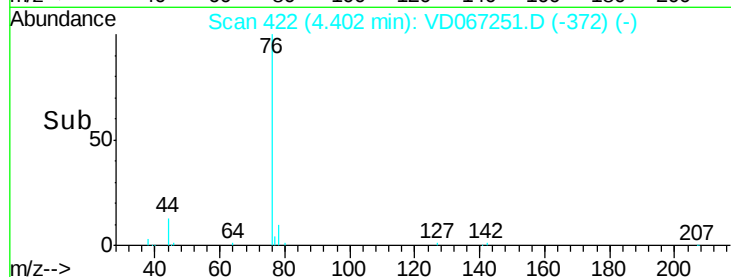
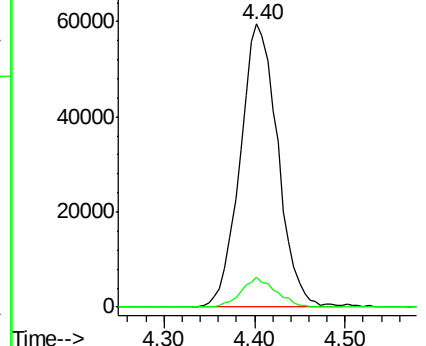
MMDadoda

10/14/2020 2:10:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 22.135 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067251.D

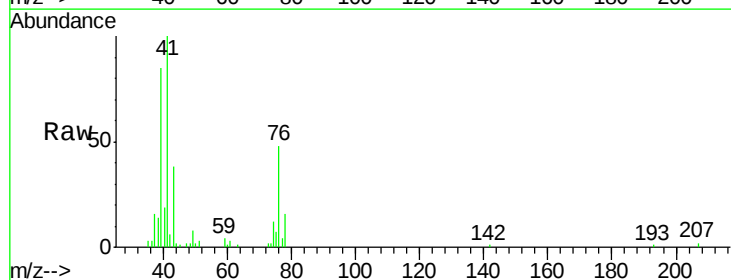
Acq: 13 Oct 2020 14:47

Tgt Ion: 43 Resp: 24842

Ion Ratio Lower Upper

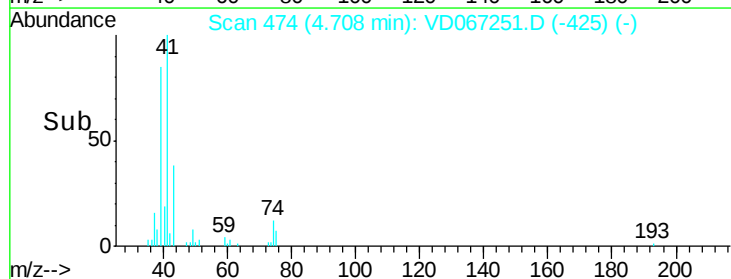
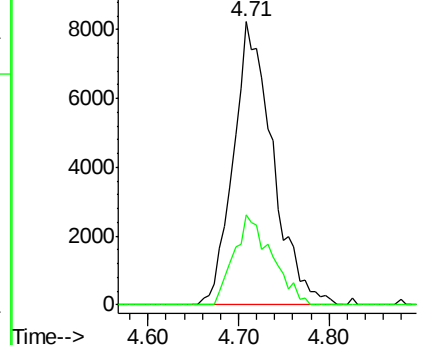
43 100

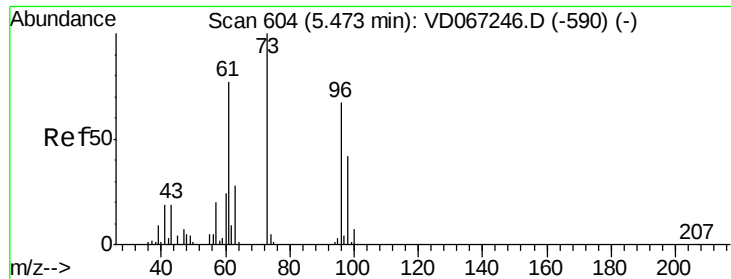
74 30.5 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





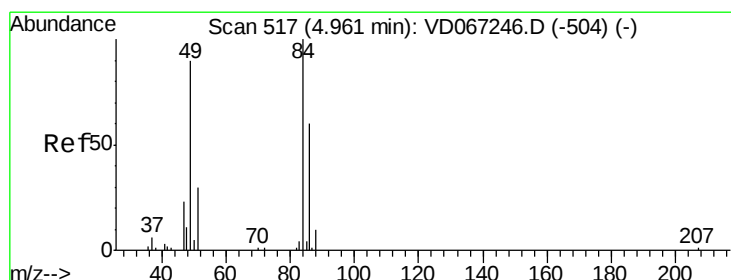
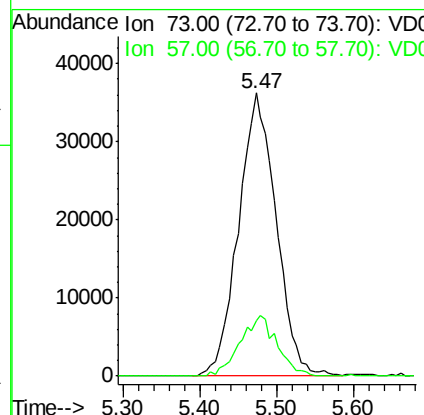
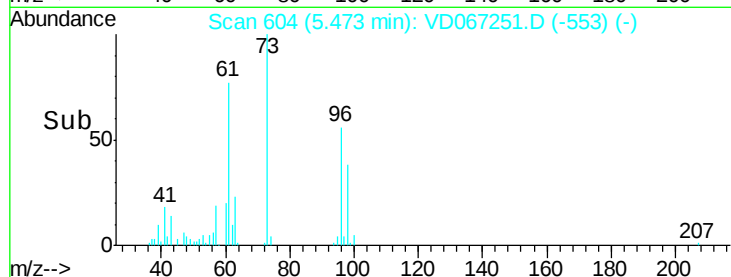
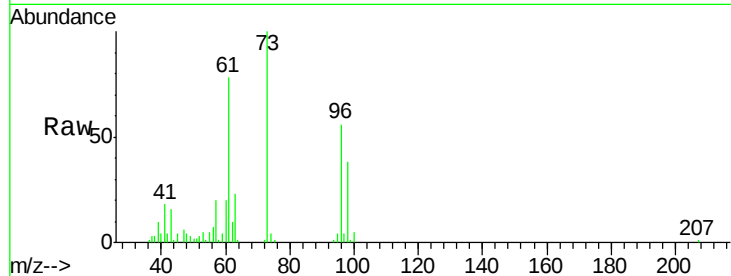
#19
Methvl tert-butvl Ether
Concen: 21.515 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	19.8	15.7	23.5

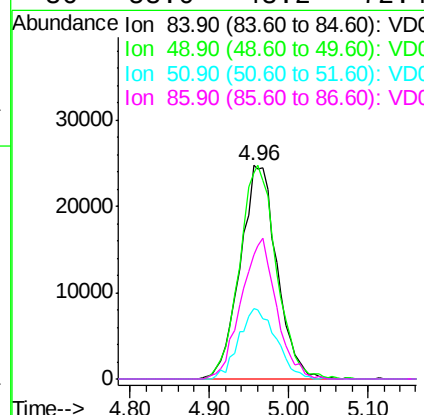
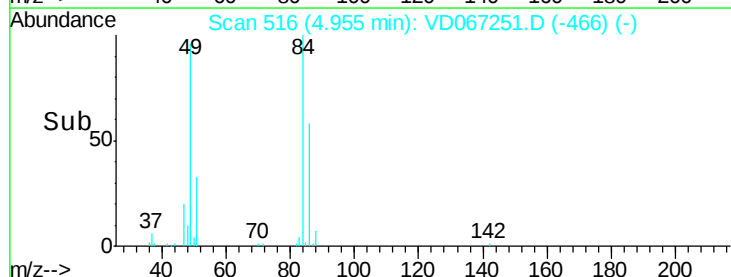
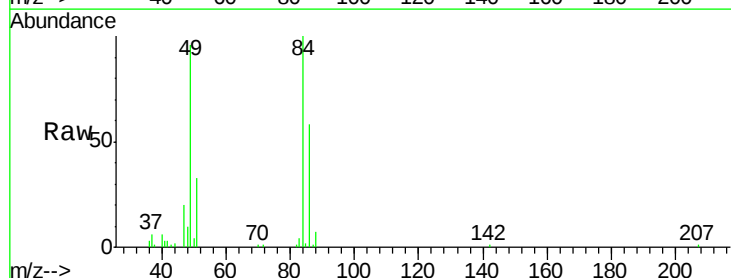
Manual Integrations
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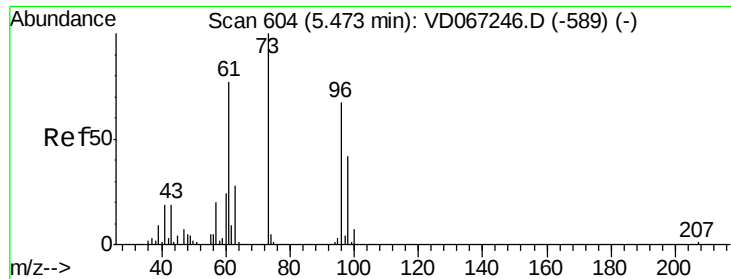
MMDadoda
10/14/2020 2:10:19 PM



#20
Methylene Chloride
Concen: 22.854 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
84	100		
49	96.2	72.2	108.2
51	33.1	23.8	35.8
86	58.0	48.2	72.4





#21

trans-1,2-Dichloroethene

Concen: 20.809 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

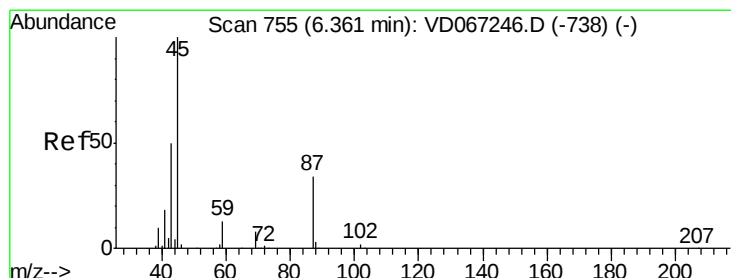
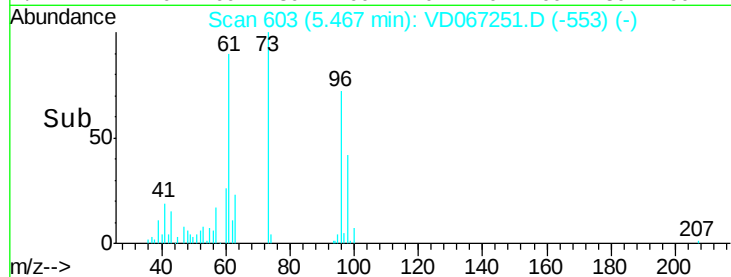
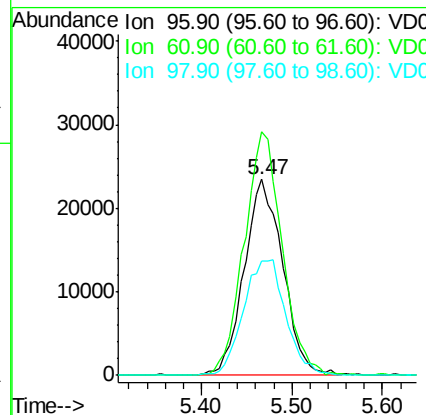
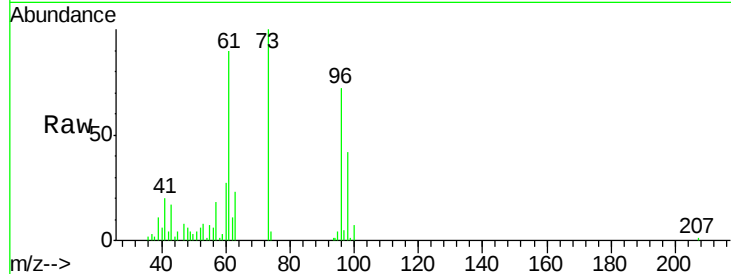
ClientSampleId :

VD1013SBS01

Tot Ion:	96	Resp:	69307
Ion	Ratio	Lower	Upper
96	100		
61	124.3	92.0	138.0
98	58.4	49.8	74.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:19 PM



#22

Diisopropyl ether

Concen: 22.739 ug/l

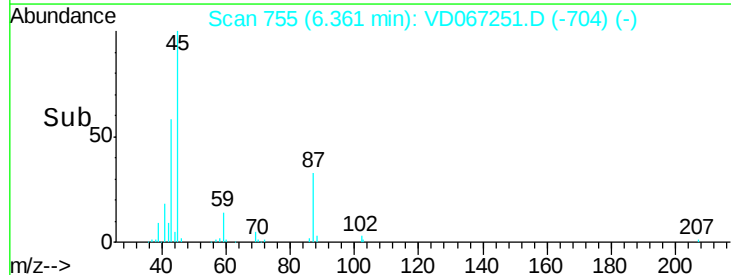
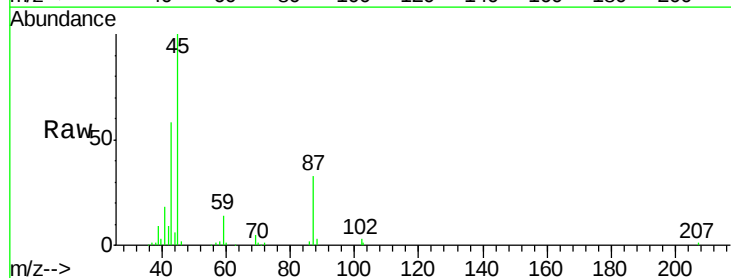
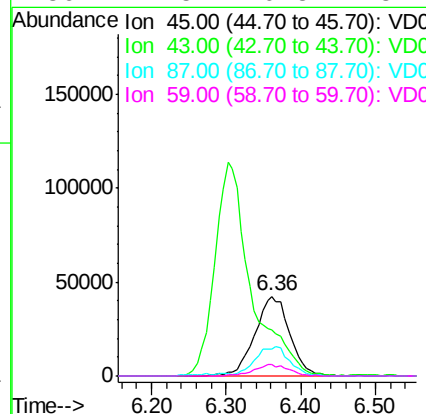
RT: 6.36 min Scan# 755

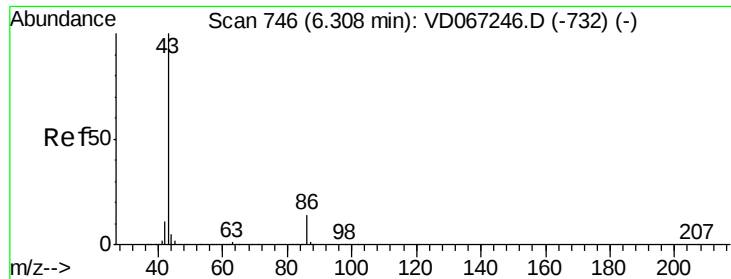
Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	45	Resp:	137684
Ion	Ratio	Lower	Upper
45	100		
43	56.5	48.0	72.0
87	32.9	28.5	42.7
59	14.5	10.5	15.7





#23

Vinyl Acetate

Concen: 111.688 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 43 Resp: 384735

Ion Ratio Lower Upper

43 100

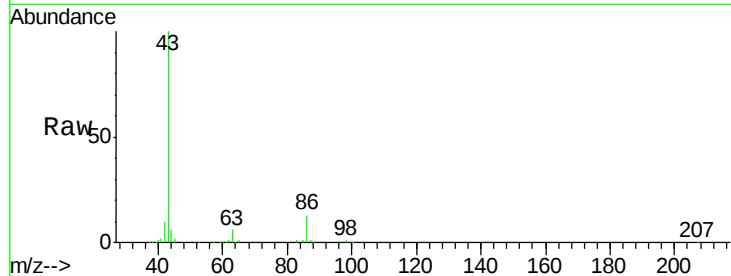
86 12.9 11.0 16.6

Manual Integrations

APPROVED

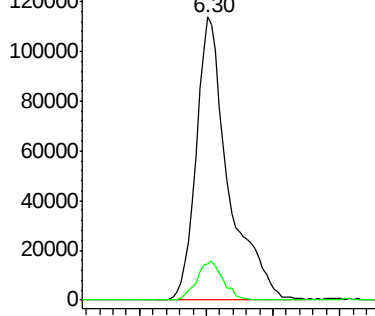
MMDadoda

10/14/2020 2:10:19 PM

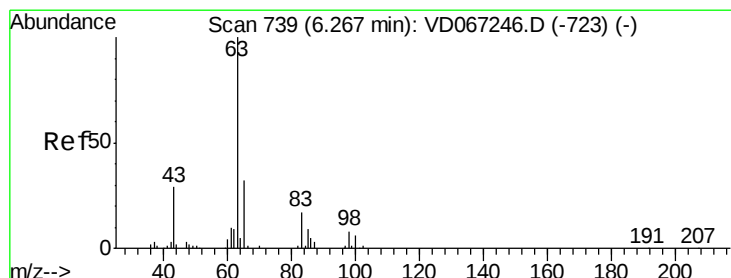
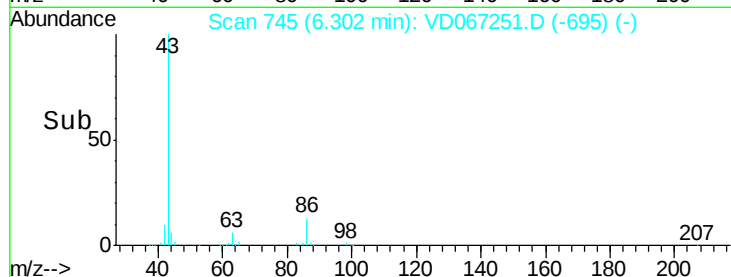


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time-->



#24

1,1-Dichloroethane

Concen: 21.541 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

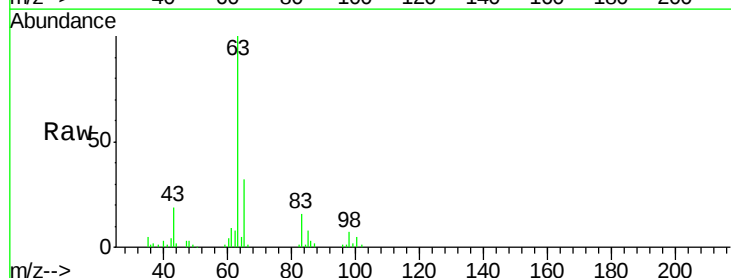
Tgt Ion: 63 Resp: 111649

Ion Ratio Lower Upper

63 100

98 7.2 4.0 12.2

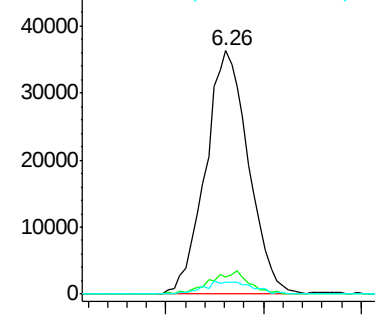
100 4.7 2.8 8.4



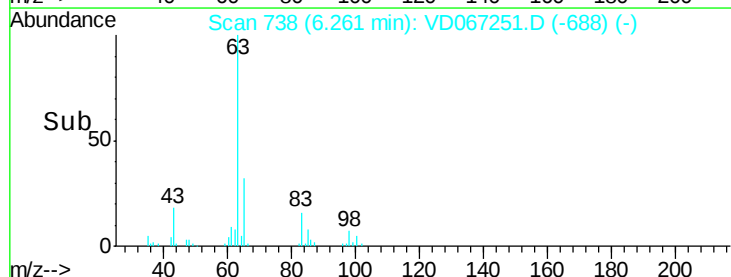
Abundance Ion 62.90 (62.60 to 63.60): VDC

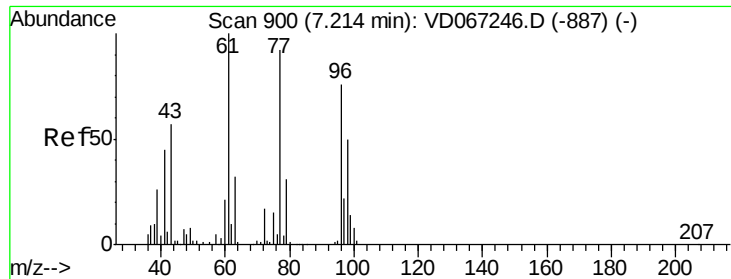
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time-->





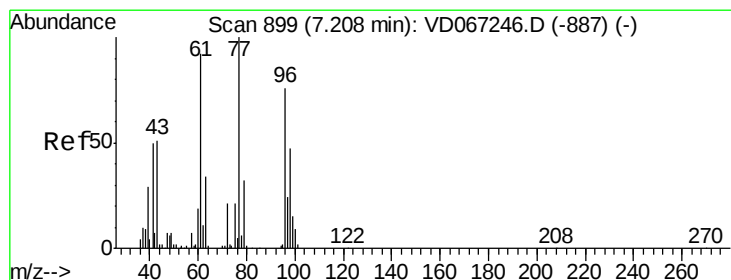
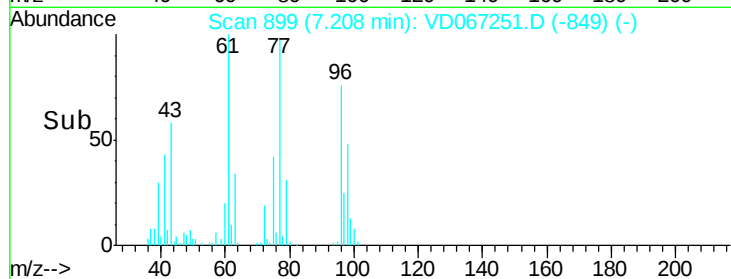
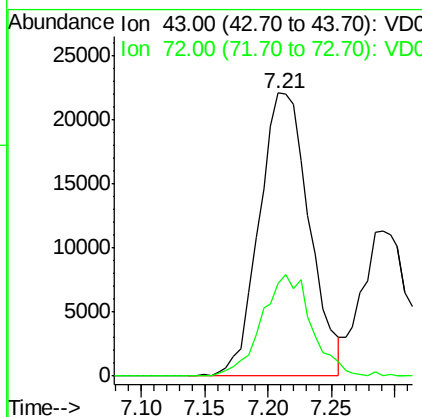
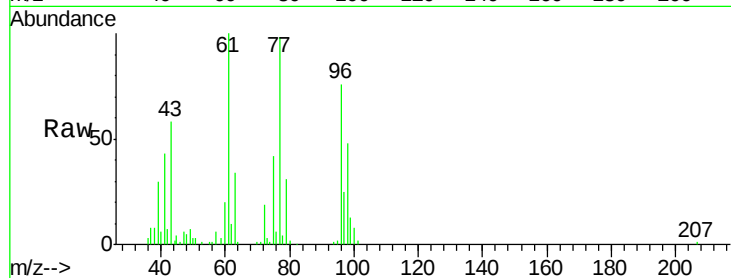
#25
2-Butanone
Concen: 108.218 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 43 Resp: 60698
Ion Ratio Lower Upper
43 100
72 32.8 23.7 35.5

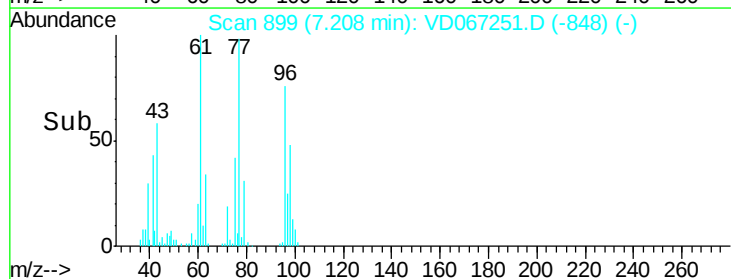
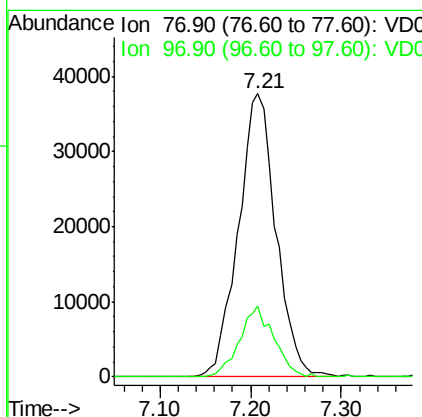
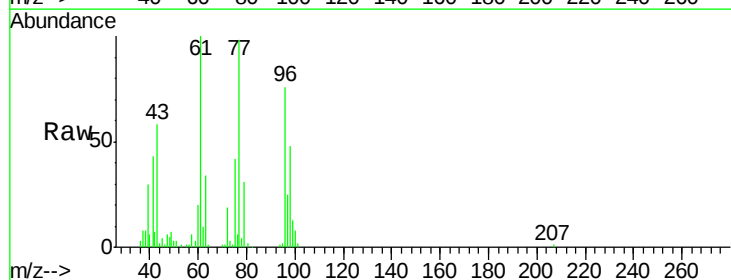
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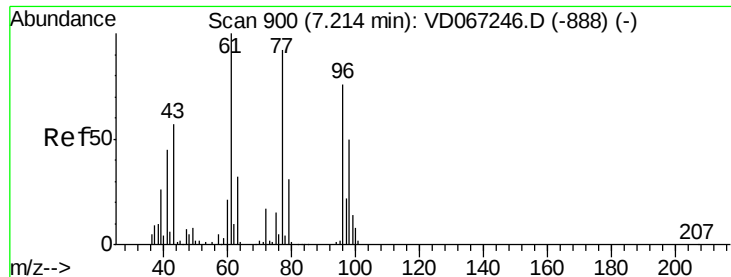
MMDadoda
10/14/2020 2:10:19 PM



#26
2,2-Dichloropropane
Concen: 20.264 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 77 Resp: 108257
Ion Ratio Lower Upper
77 100
97 22.8 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 20.993 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

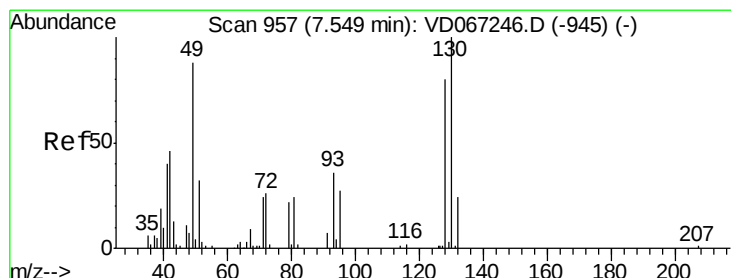
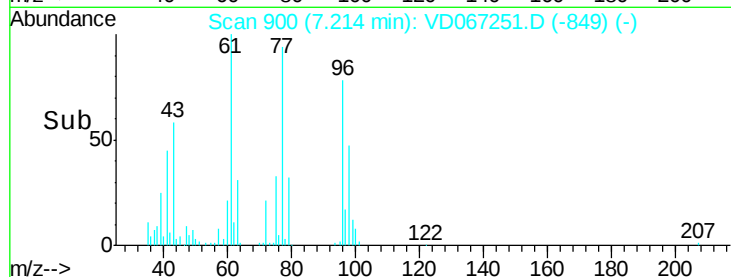
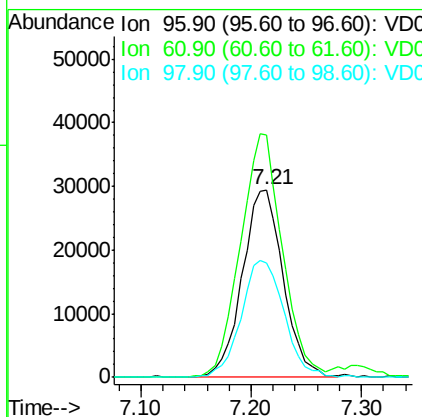
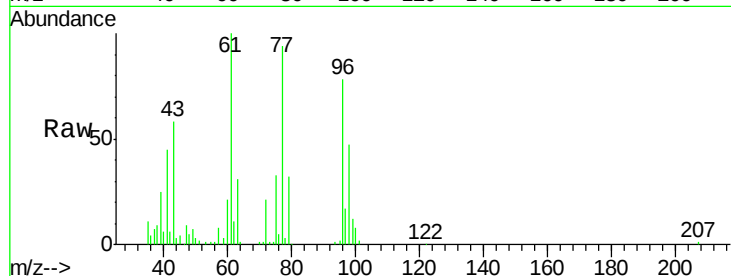
ClientSampleId :

VD1013SBS01

Tot Ion:	96	Resp:	76632
Ion	Ratio	Lower	Upper
96	100		
61	133.1	0.0	255.4
98	65.1	0.0	128.0

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#28

Bromochloromethane

Concen: 19.913 ug/l

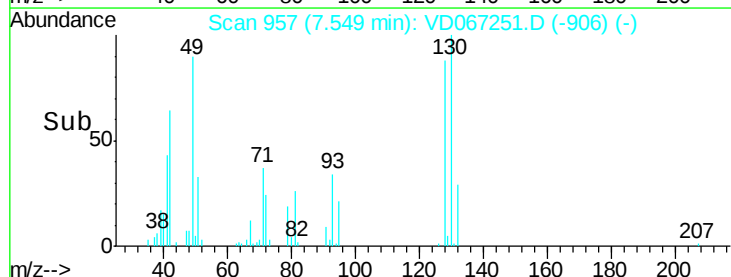
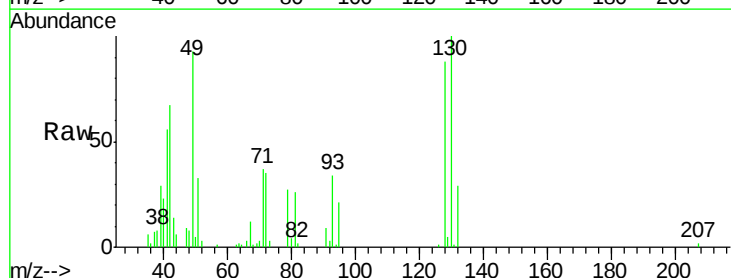
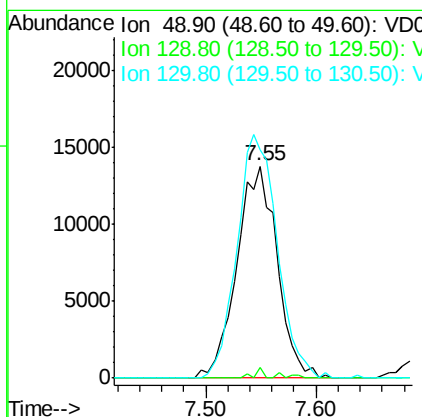
RT: 7.55 min Scan# 957

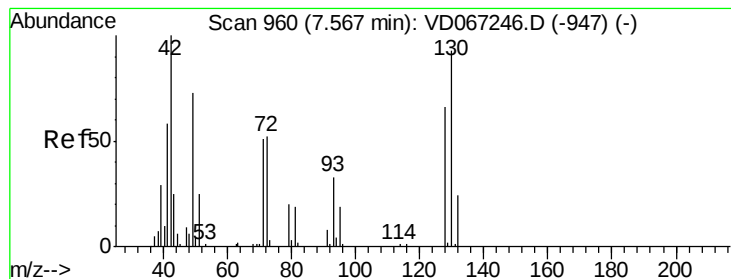
Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	49	Resp:	35204
Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	1.6
130	115.4	91.0	136.6





#29

Tetrahydrofuran

Concen: 110.797 ug/l

RT: 7.56 min Scan# 958

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

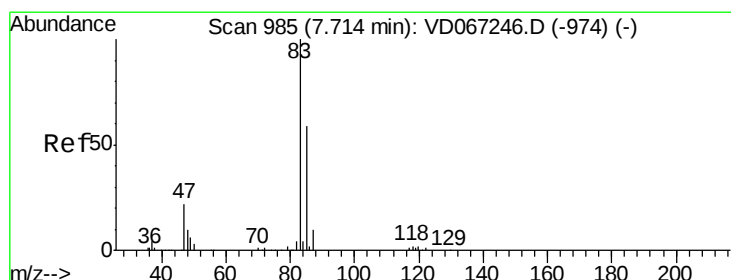
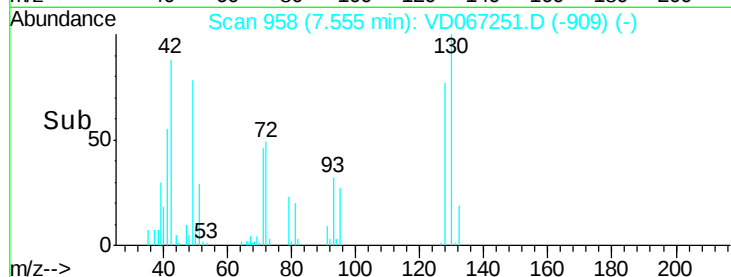
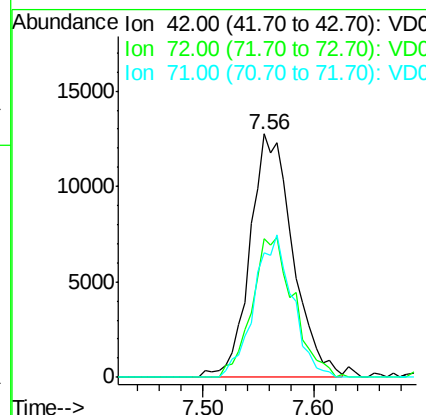
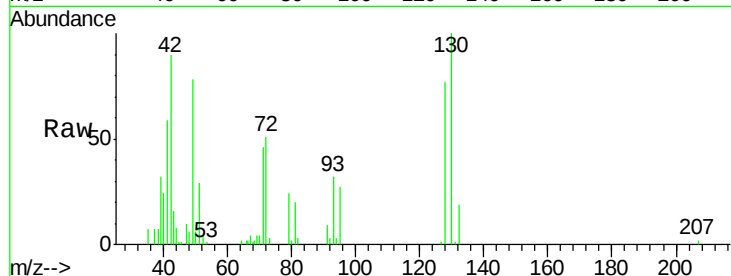
ClientSampleId :

VD1013SBS01

Tot Ion:	42	Resp:	34545
Ion	Ratio	Lower	Upper
42	100		
72	56.4	43.2	64.8
71	52.6	39.4	59.0

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#30

Chloroform

Concen: 21.211 ug/l

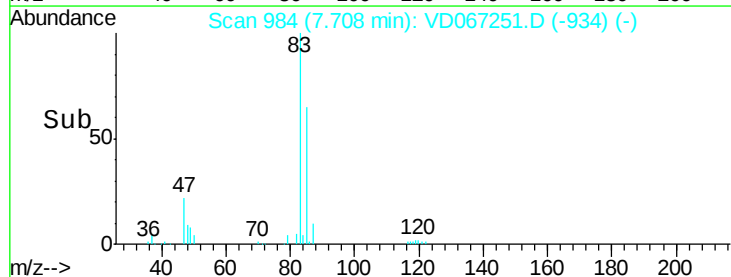
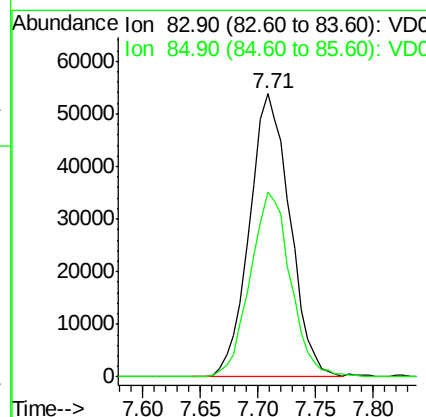
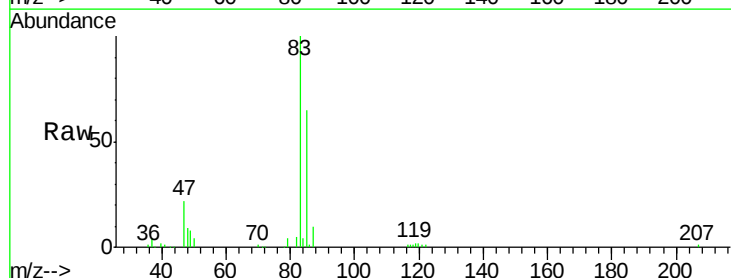
RT: 7.71 min Scan# 984

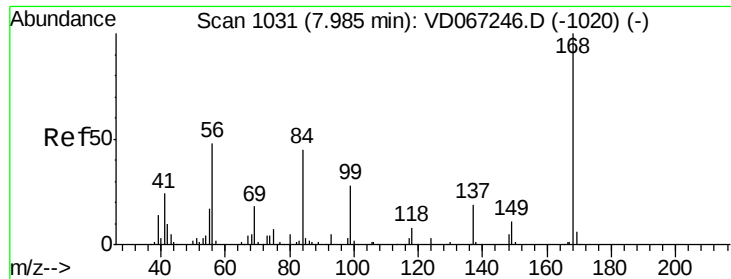
Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	83	Resp:	131329
Ion	Ratio	Lower	Upper
83	100		
85	65.1	47.3	70.9





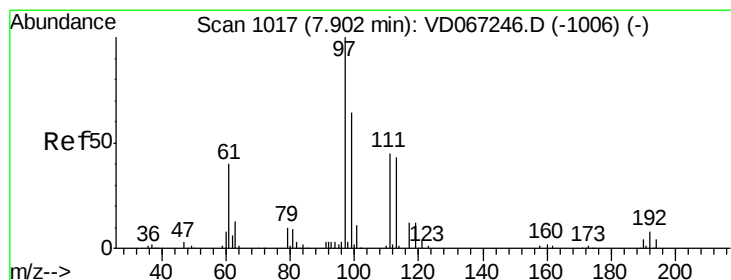
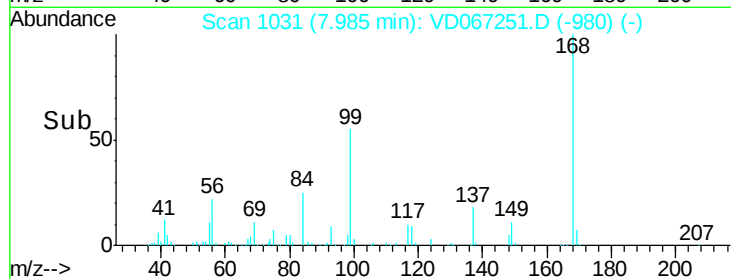
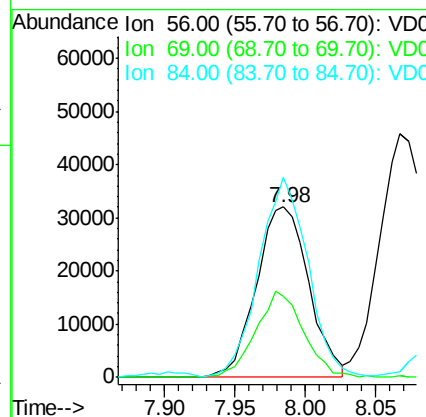
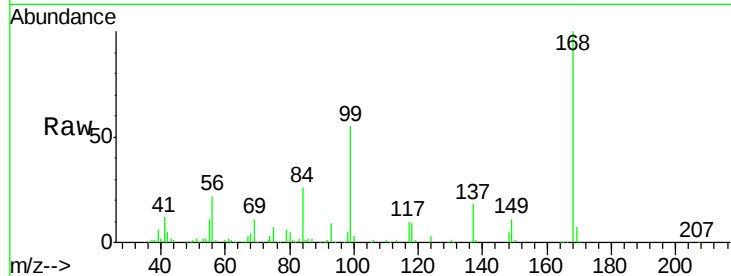
#31
Cyclohexane
Concen: 20.570 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	47.8	29.8	44.6#	
84	116.0	76.6	114.8#	

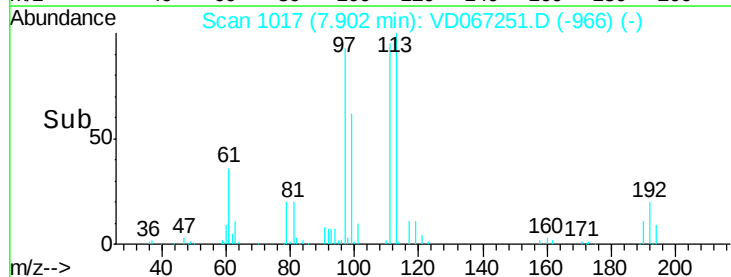
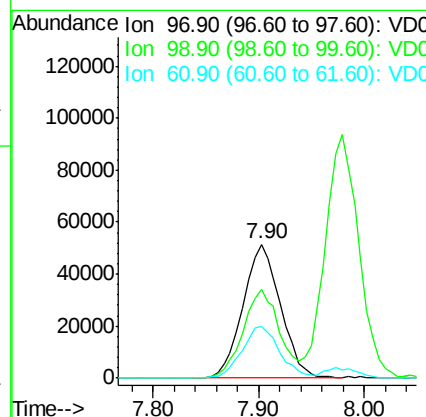
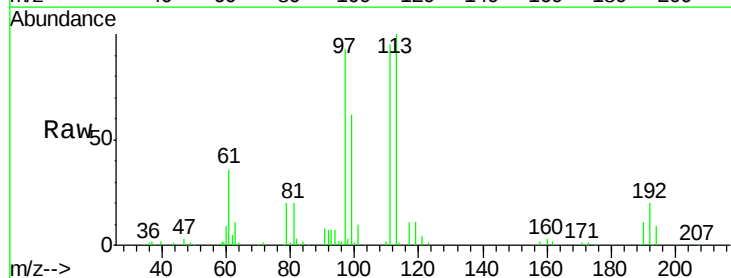
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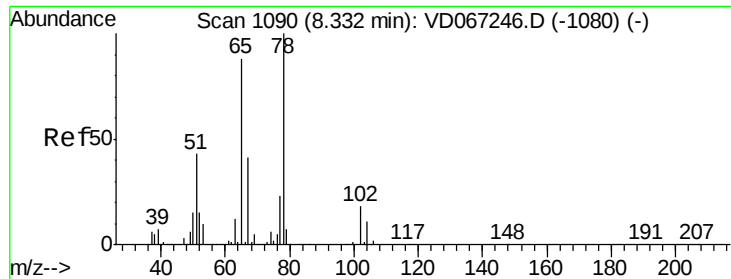
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#32
1,1,1-Trichloroethane
Concen: 20.886 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.6	50.2	75.4	
61	38.8	30.5	45.7	





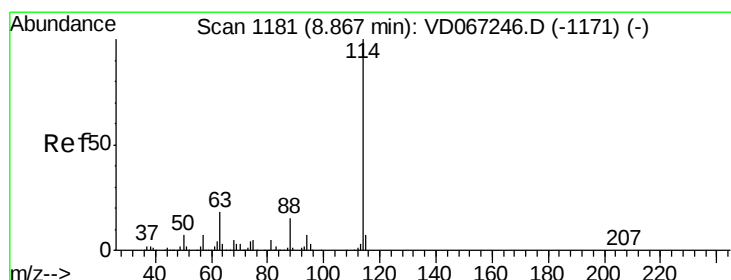
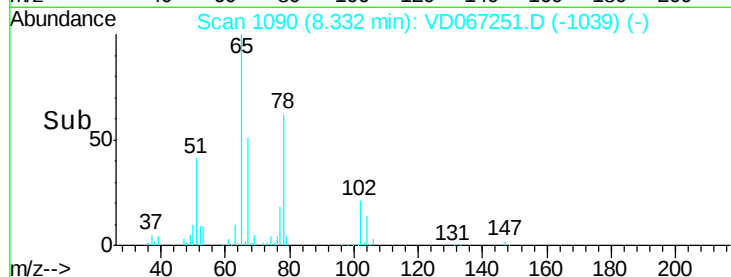
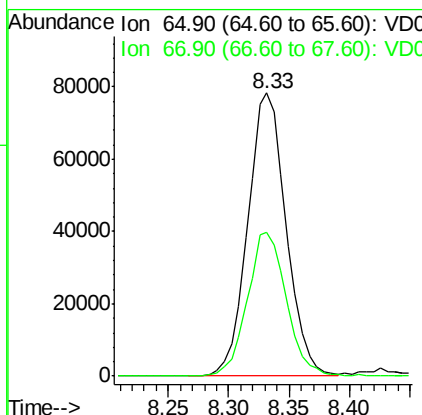
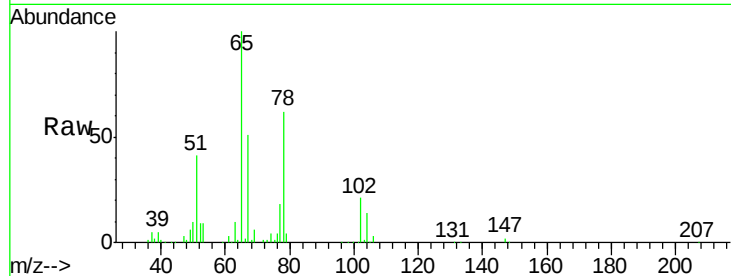
#33
 1,2-Dichloroethane-d4
 Concen: 49.355 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	173405		
67	51.5	0.0	103.8	

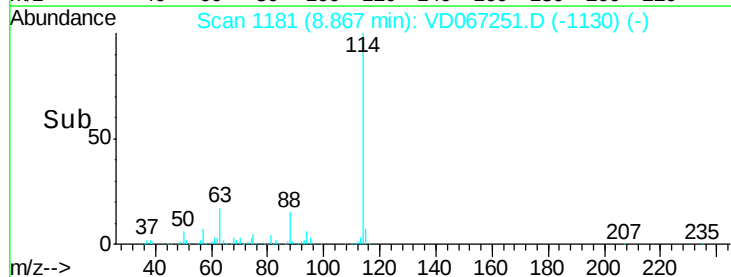
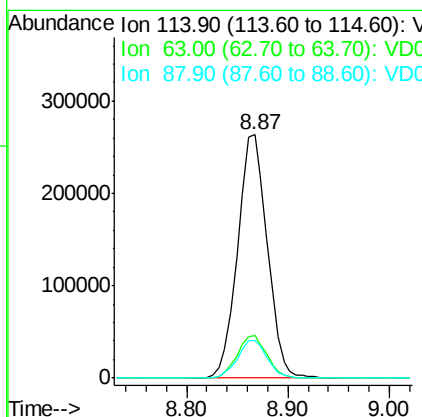
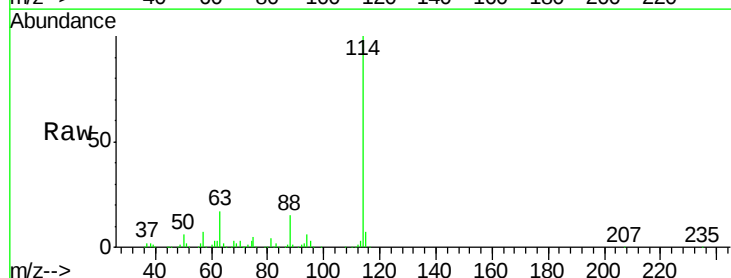
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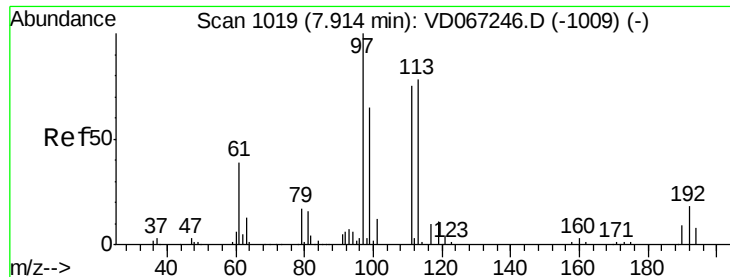
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	534927		
63	17.4	0.0	35.0	
88	15.4	0.0	30.6	





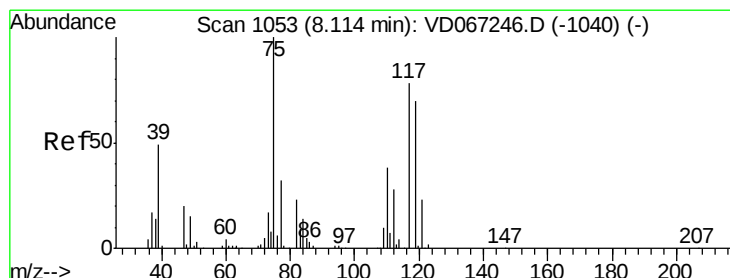
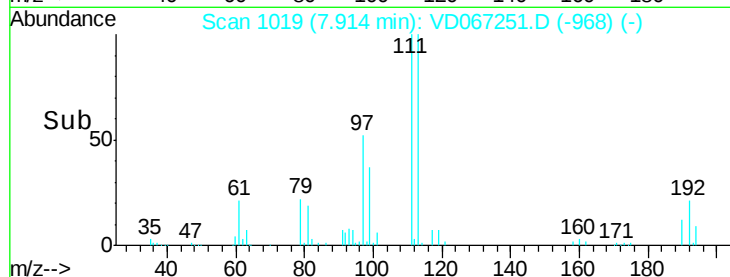
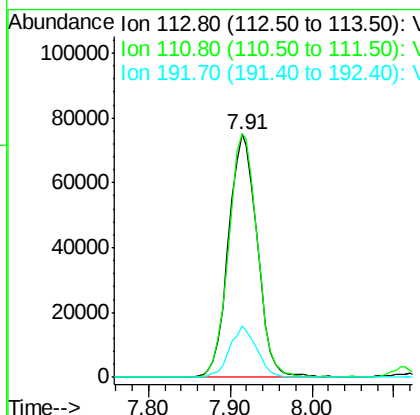
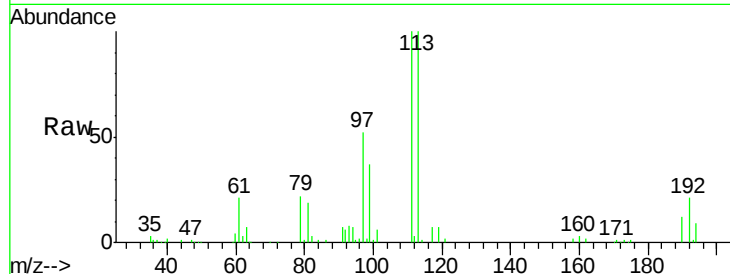
#35
 Dibromofluoromethane
 Concen: 51.433 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	183099		
111	100.3	81.6	122.4	
192	19.8	17.0	25.4	

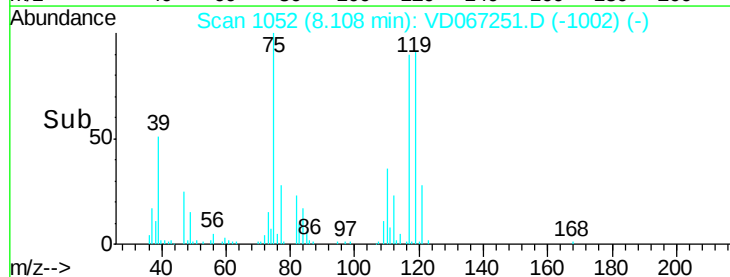
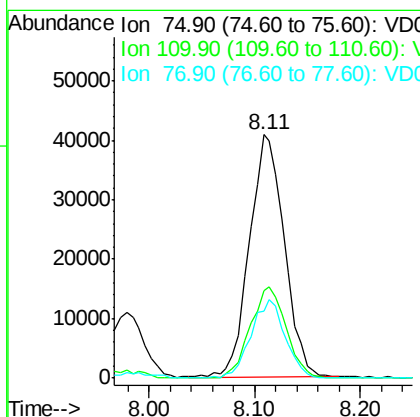
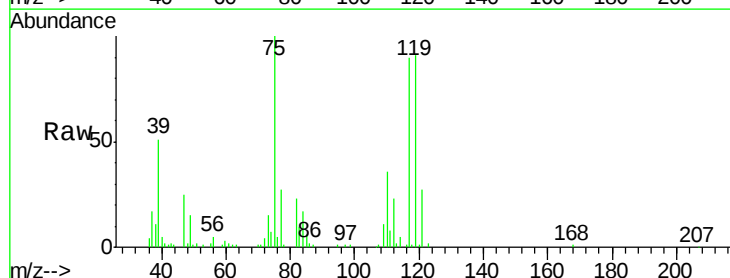
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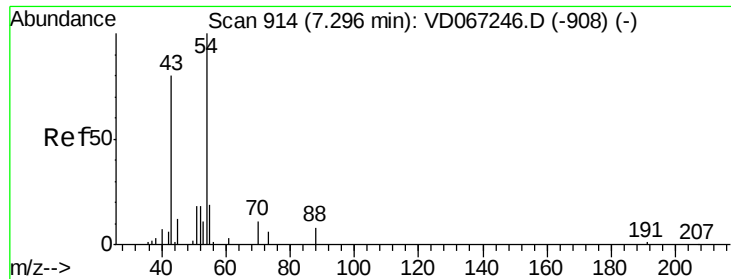
MMDadoda
 10/14/2020 2:10:19 PM



#36
 1,1-Dichloropropene
 Concen: 20.611 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	93446		
110	38.7	19.6	58.7	
77	31.8	24.6	37.0	





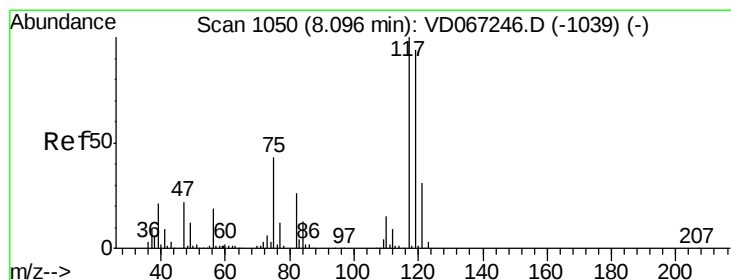
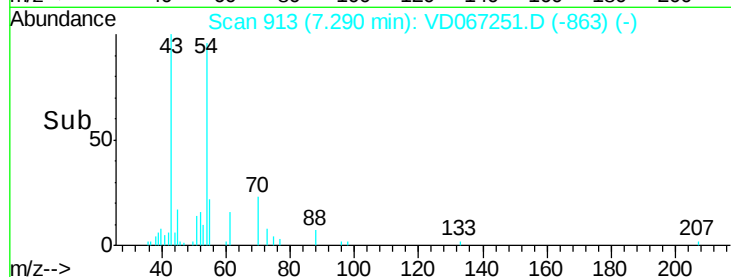
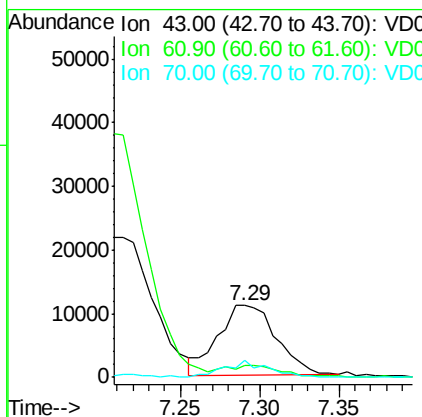
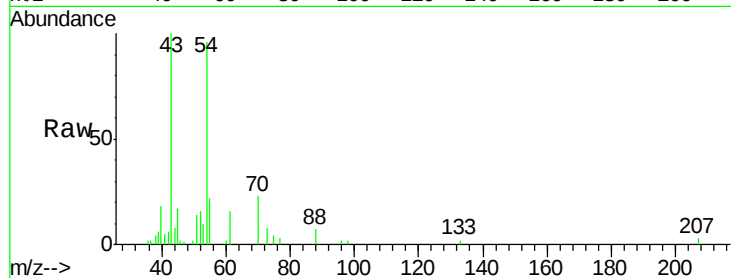
#37
Ethyl Acetate
Concen: 20.950 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	15.6	23.4
70	17.9	10.4	15.6

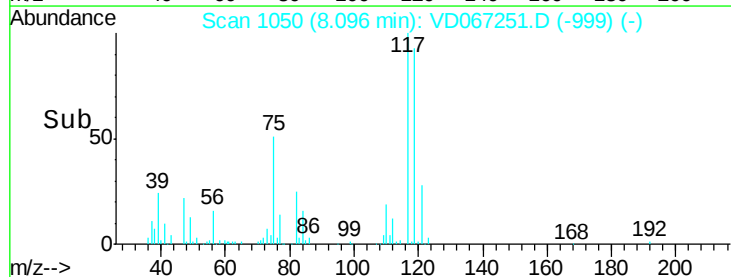
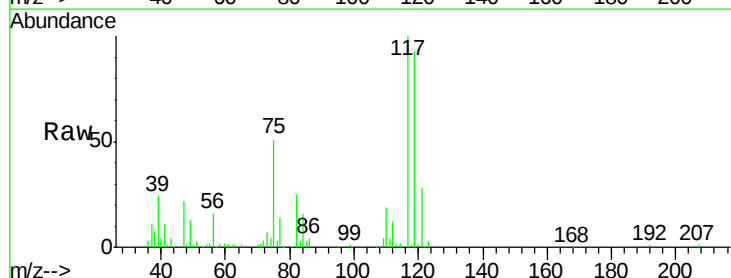
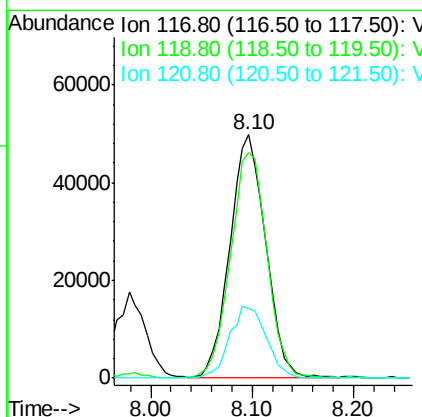
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 20.916 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.1	75.0	112.4
121	28.4	24.9	37.3





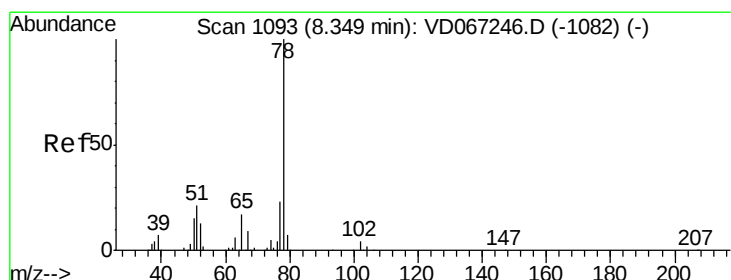
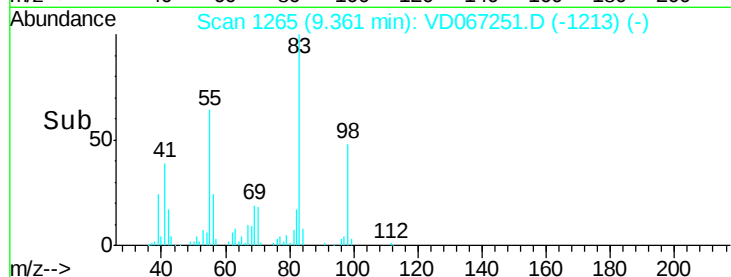
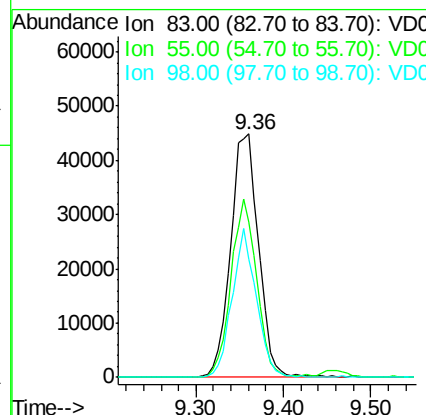
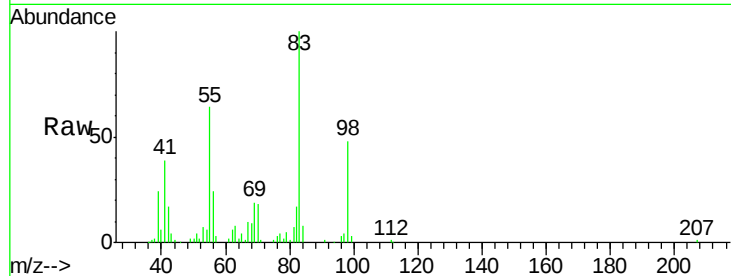
#39
Methvlcvclohexane
Concen: 20.658 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	63.7	53.3	79.9
98	48.3	41.0	61.4

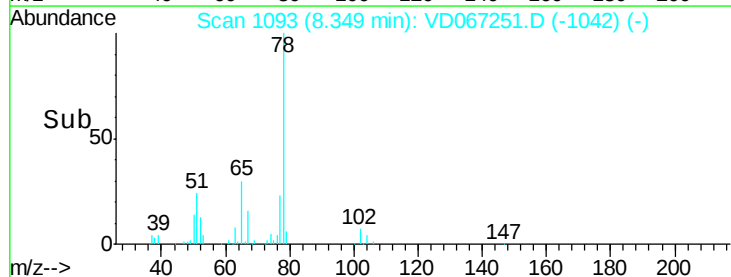
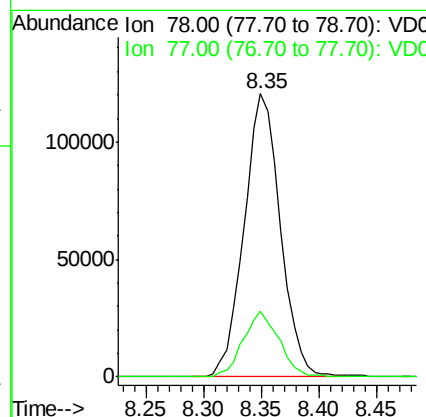
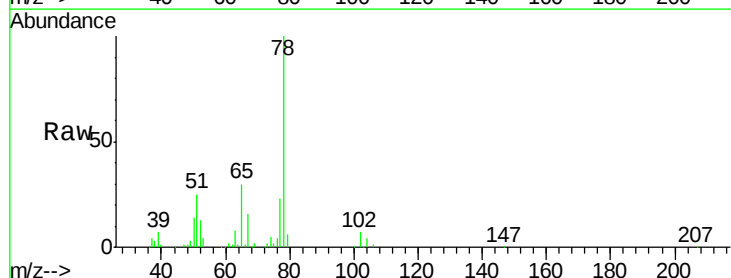
Manual Integrations
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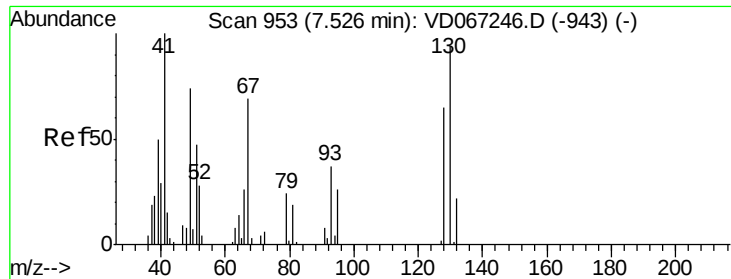
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#40
Benzene
Concen: 21.182 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.3	27.5





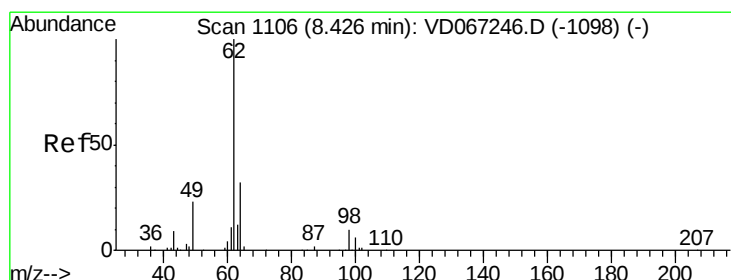
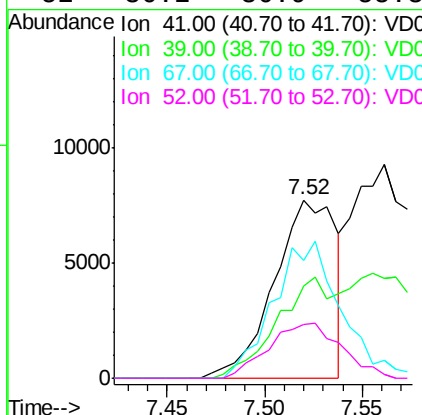
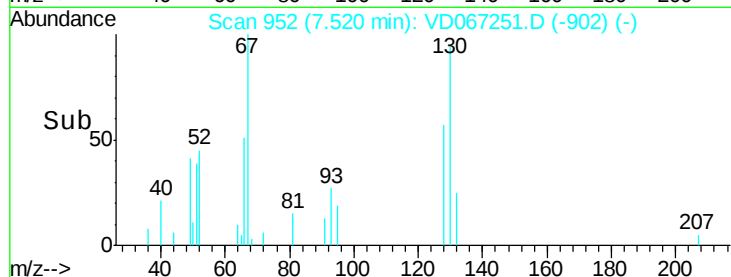
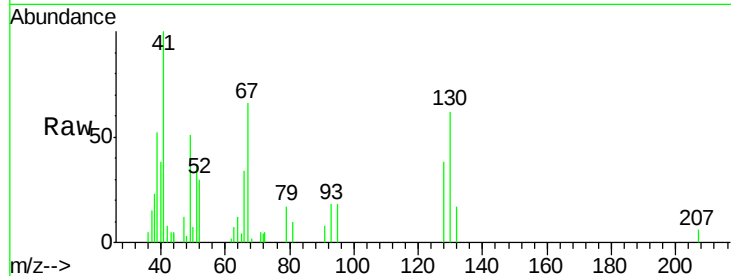
#41
Methacrylonitrile
Concen: 23.621 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	46.1	60.0	90.0#
67	83.5	88.9	133.3#
52	36.2	36.9	55.3#

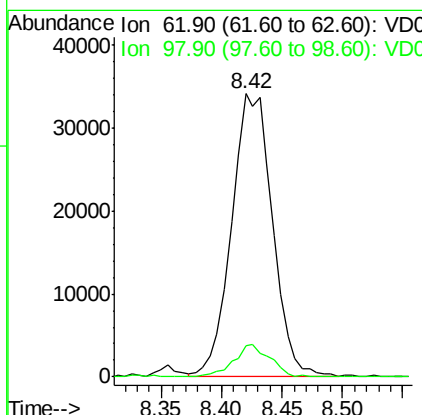
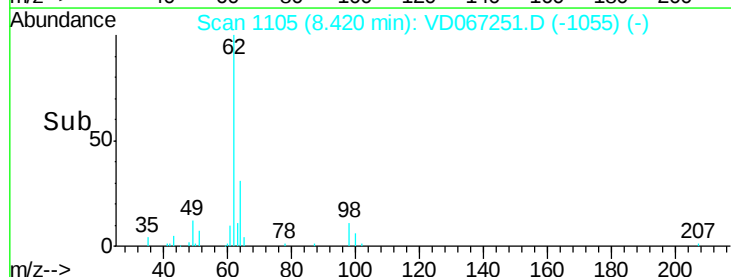
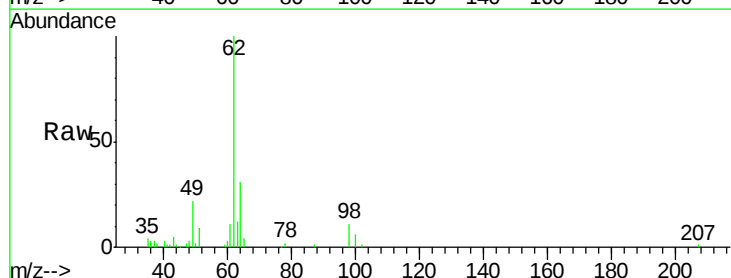
Manual Integrations
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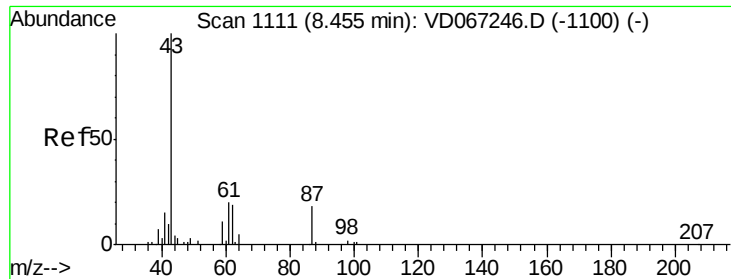
MMDadoda
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#42
1,2-Dichloroethane
Concen: 20.729 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 21.935 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

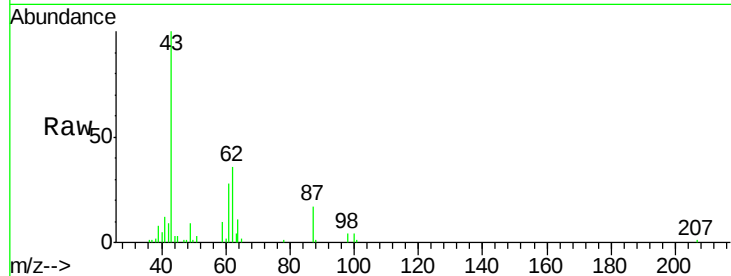
ClientSampleId :

VD1013SBS01

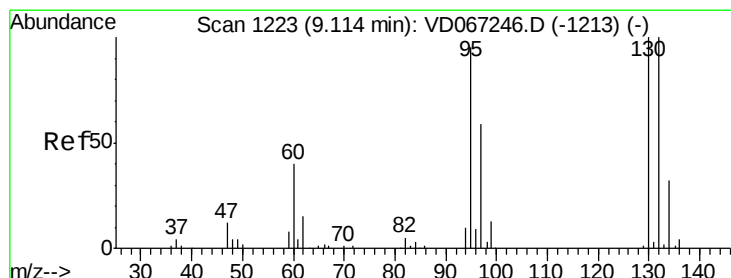
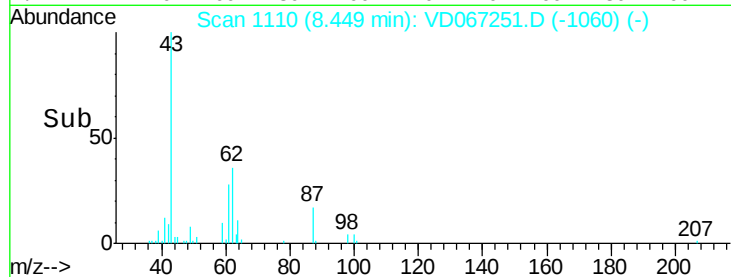
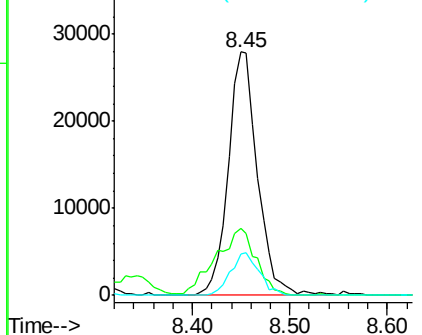
Tot Ion:	43	Resp:	58059
Ion	Ratio	Lower	Upper
43	100		
61	38.0	29.5	44.3
87	17.2	14.2	21.4

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 61.00 (60.70 to 61.70): VDC
Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 21.086 ug/l

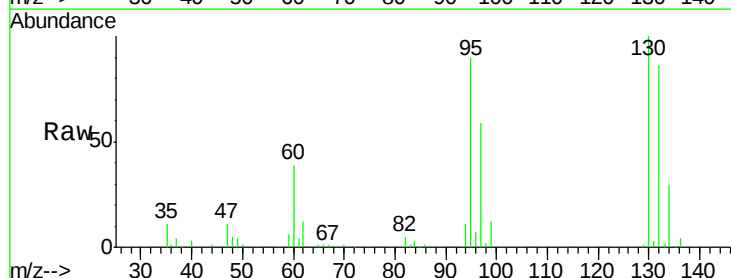
RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

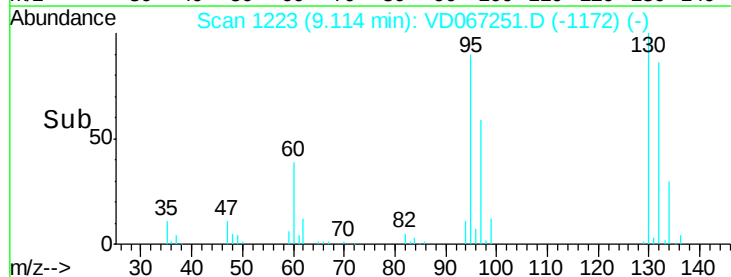
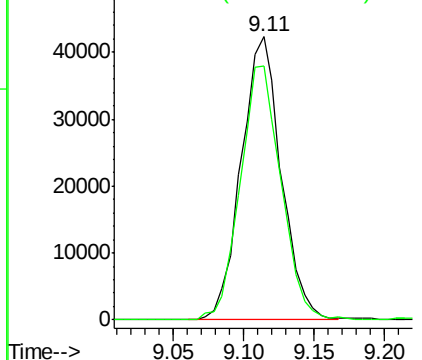
Lab File: VD067251.D

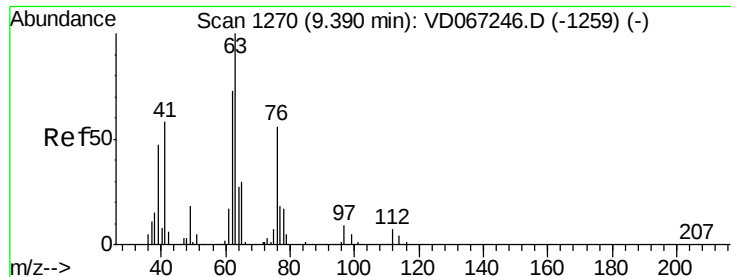
Acq: 13 Oct 2020 14:47

Tgt Ion:	130	Resp:	83974
Ion	Ratio	Lower	Upper
130	100		
95	89.6	0.0	190.6



Abundance Ion 129.80 (129.50 to 130.50): VDC
Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 21.231 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 63 Resp: 61200

Ion Ratio Lower Upper

63 100

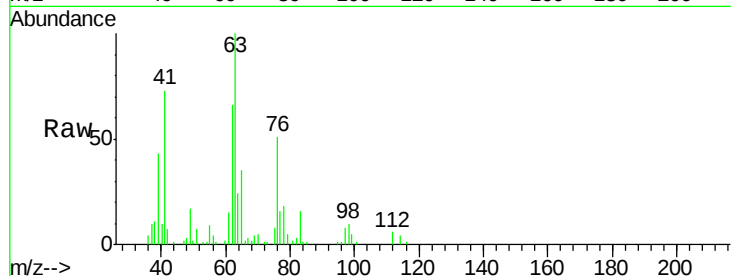
65 34.6 24.6 36.8

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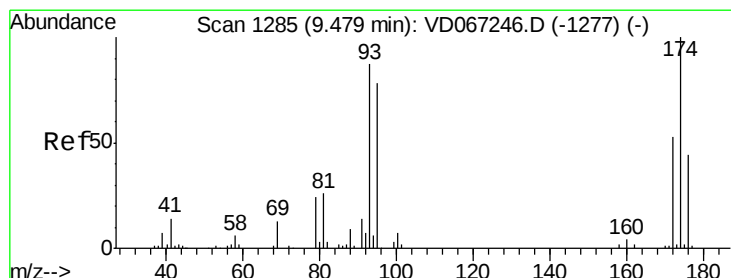
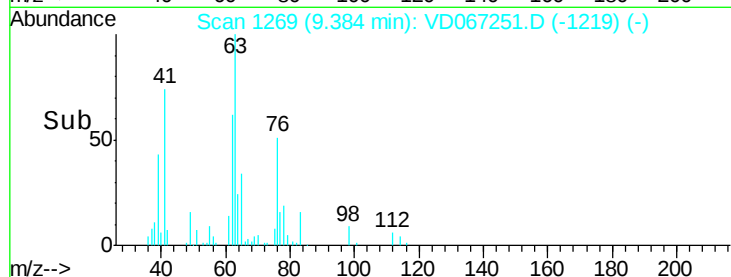
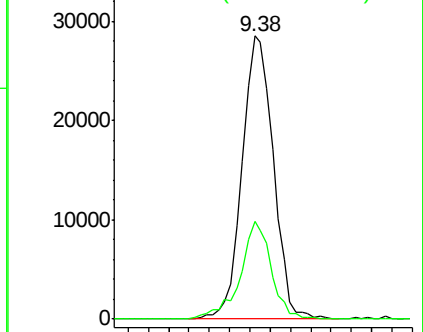
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.322 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

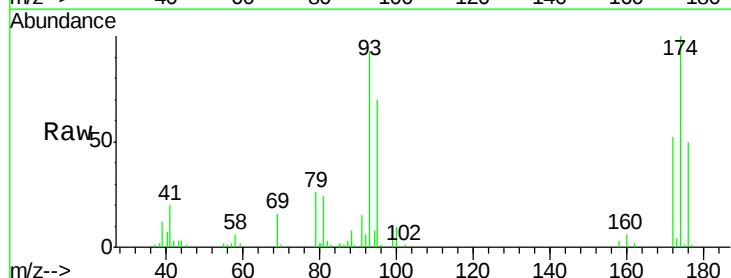
Tgt Ion: 93 Resp: 36499

Ion Ratio Lower Upper

93 100

95 81.9 68.0 102.0

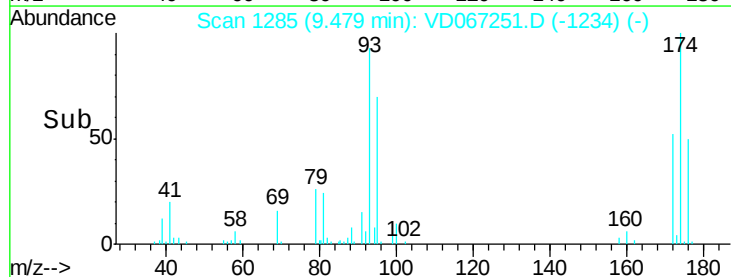
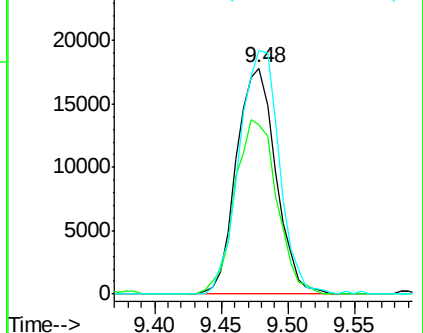
174 110.1 91.8 137.6

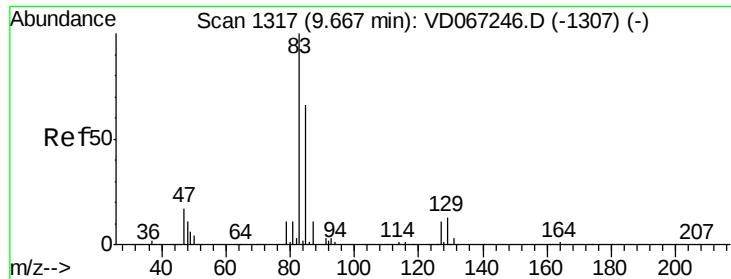


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.213 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

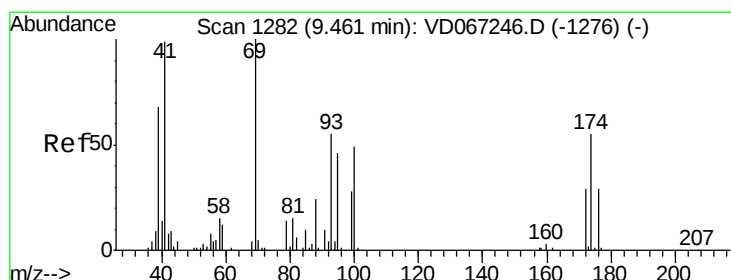
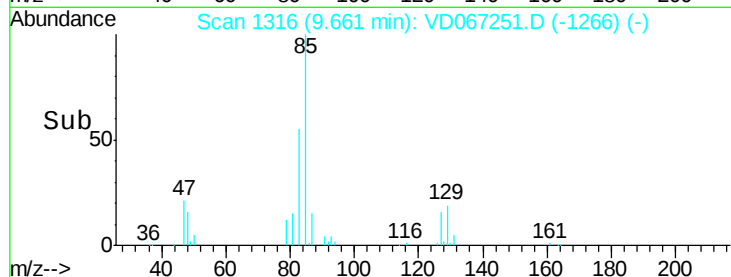
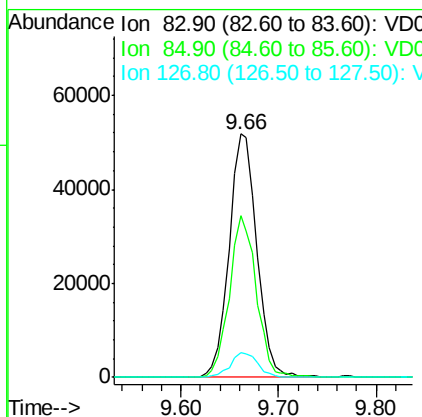
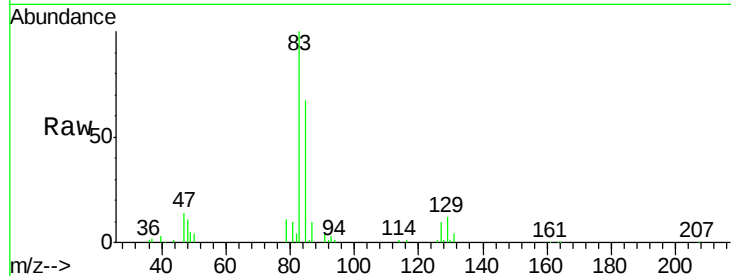
ClientSampleId :

VD1013SBS01

Tot Ion:	83	Resp:	102075
Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.1	79.7
127	10.4	8.6	13.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.635 ug/l

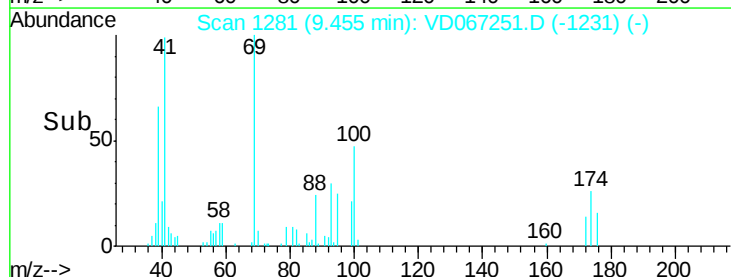
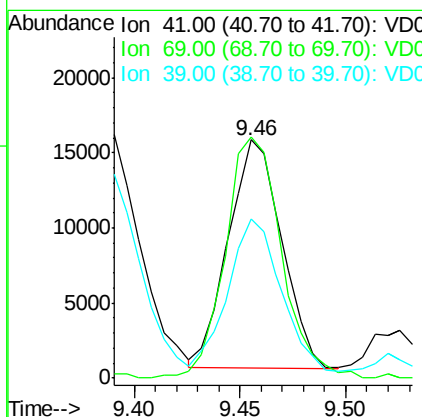
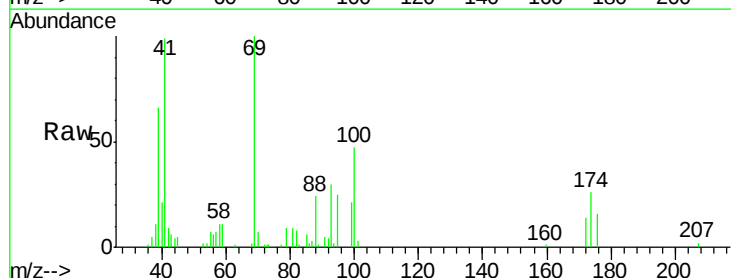
RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	41	Resp:	26543
Ion	Ratio	Lower	Upper
41	100		
69	111.7	89.0	133.6
39	73.4	60.2	90.2





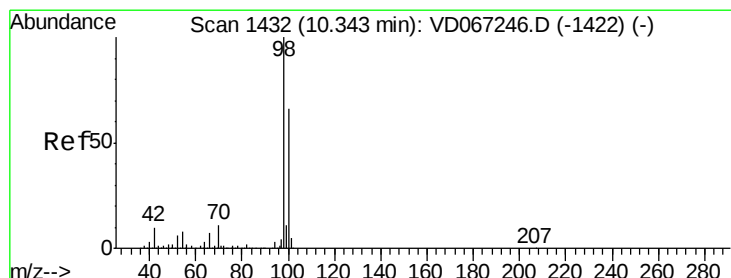
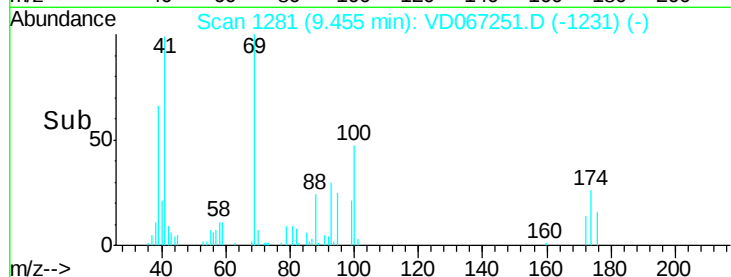
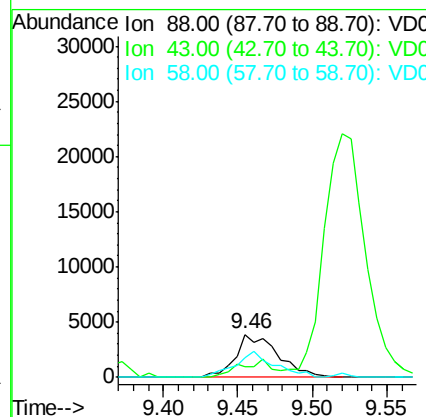
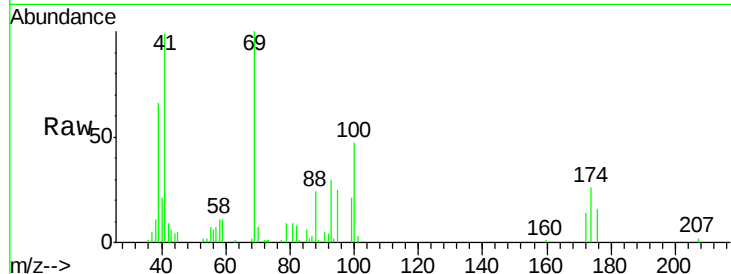
#49
1,4-Dioxane
Concen: 426.049 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.8	23.9	35.9
58	55.8	51.0	76.6

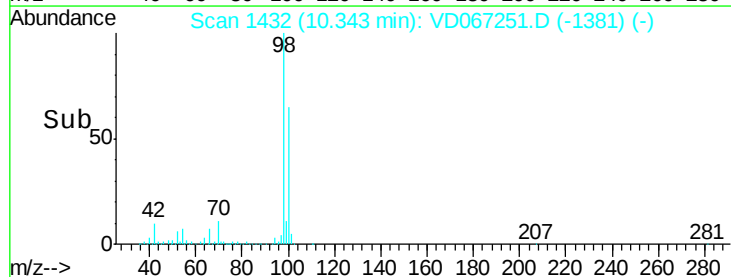
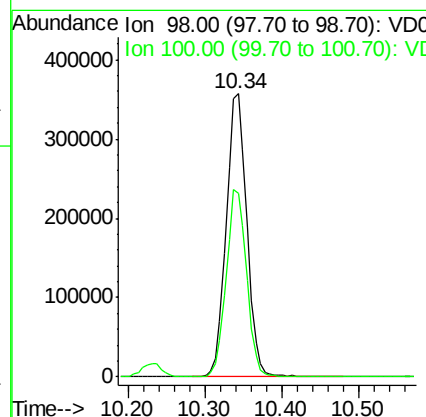
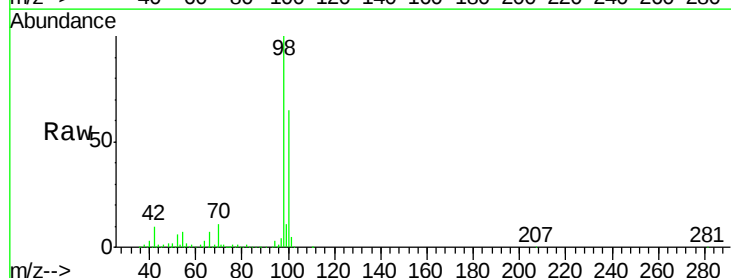
Manual Integrations
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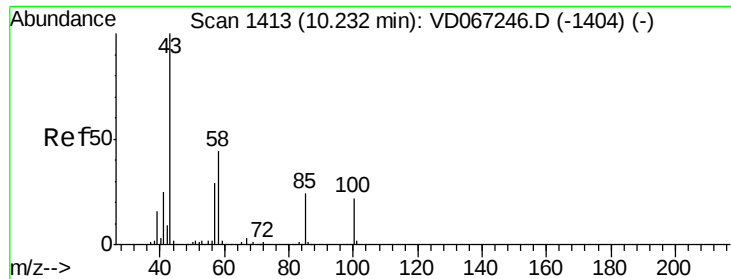
MMDadoda
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#50
Toluene-d8
Concen: 51.544 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.1	79.7





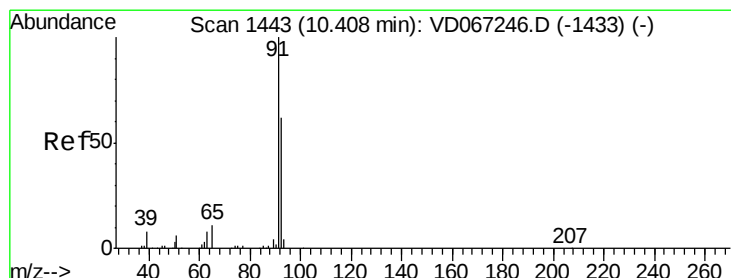
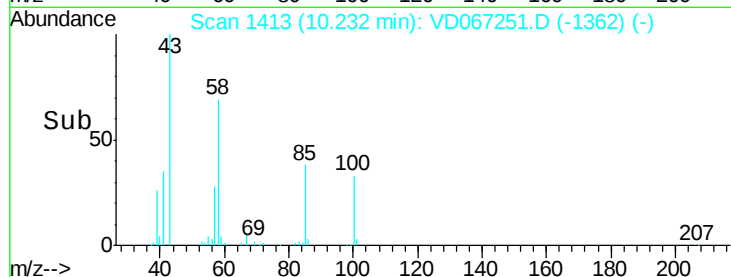
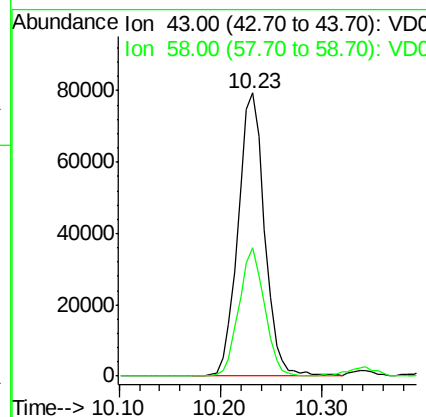
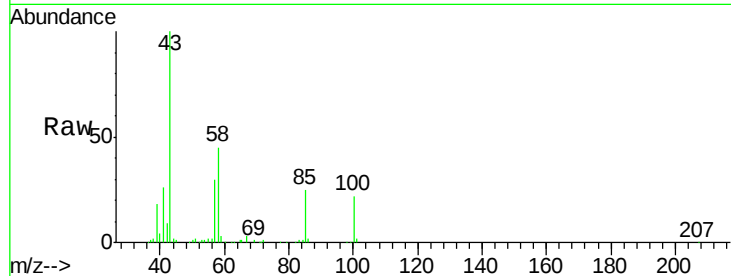
#51
4-Methyl-2-Pentanone
Concen: 109.508 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 43 Resp: 144571
Ion Ratio Lower Upper
43 100
58 43.6 35.7 53.5

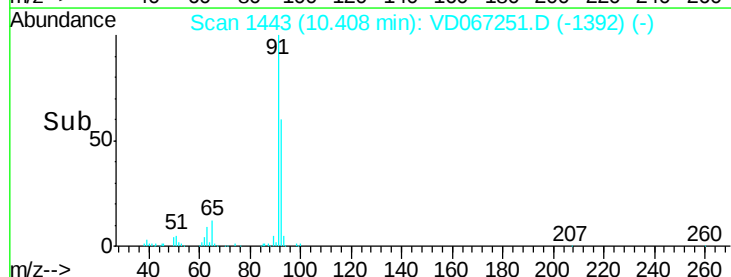
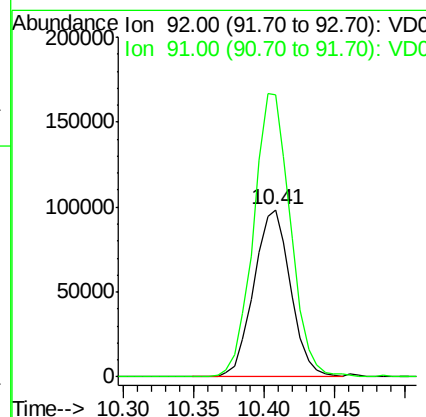
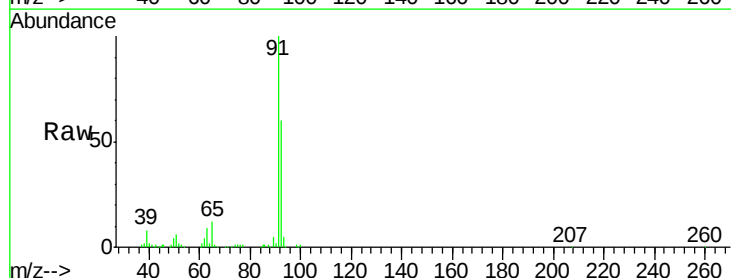
Manual Integrations
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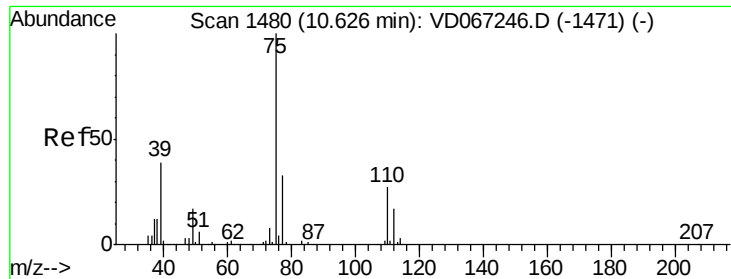
MMDadoda
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#52
Toluene
Concen: 21.231 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 92 Resp: 179864
Ion Ratio Lower Upper
92 100
91 170.7 133.8 200.8





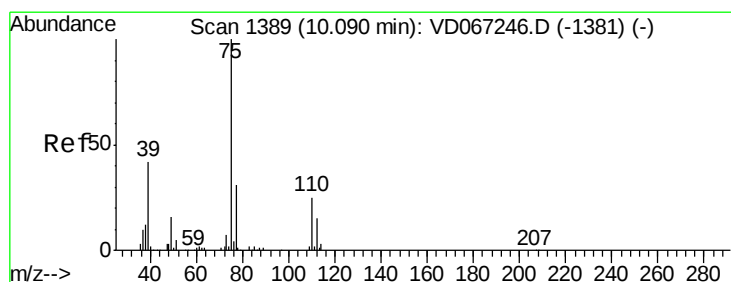
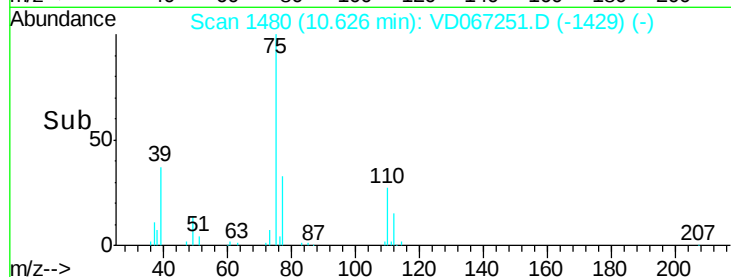
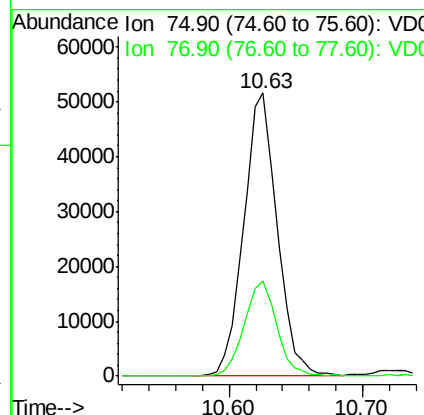
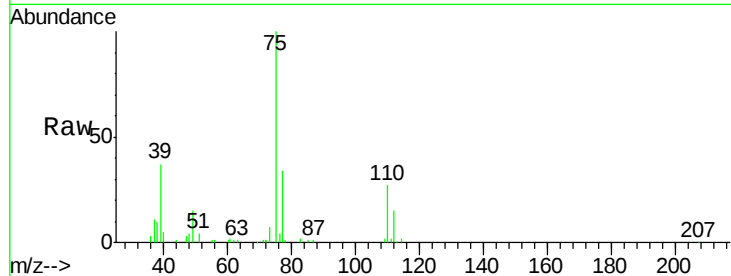
#53
t-1,3-Dichloropropene
Concen: 21.113 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 75 Resp: 89247
Ion Ratio Lower Upper
75 100
77 33.8 26.5 39.7

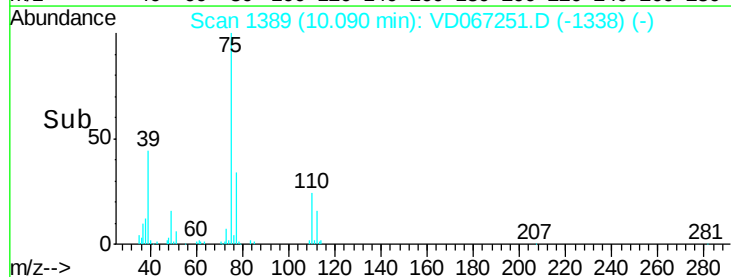
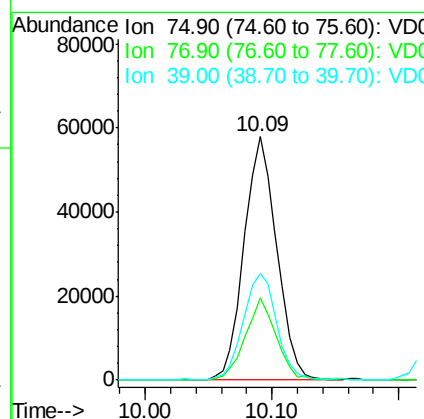
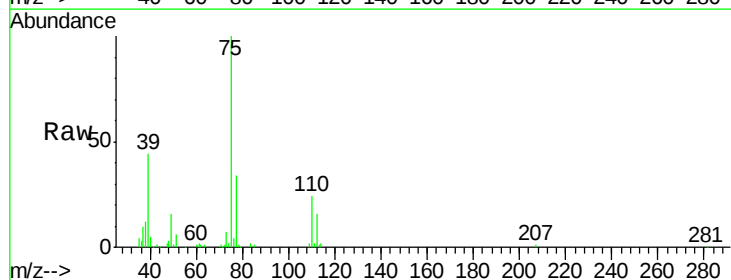
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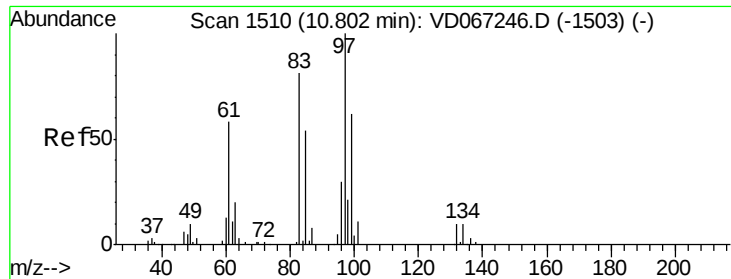
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#54
cis-1,3-Dichloropropene
Concen: 20.964 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 75 Resp: 103710
Ion Ratio Lower Upper
75 100
77 34.0 24.5 36.7
39 43.6 33.7 50.5





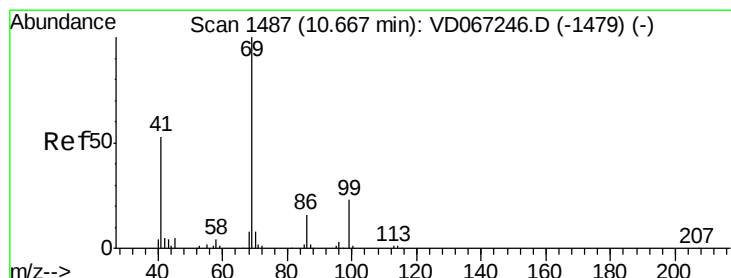
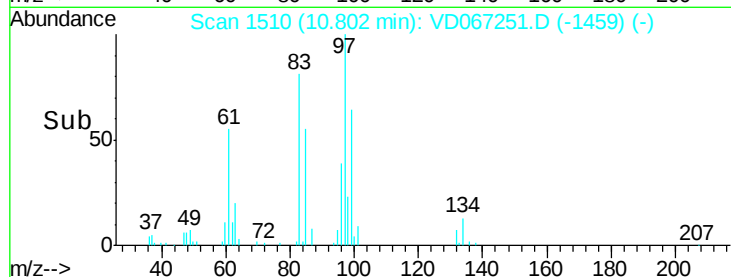
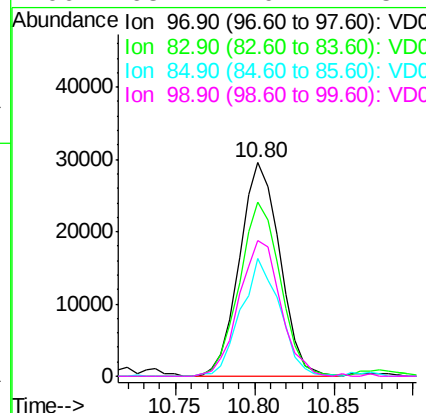
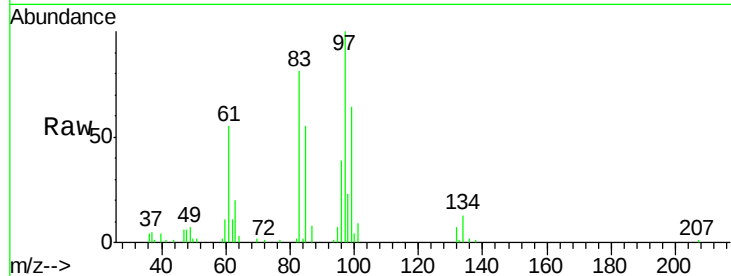
#55
 1,1,2-Trichloroethane
 Concen: 21.378 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	97	Resp	52358
Ion	Ratio	Lower	Upper
97	100		
83	81.3	64.9	97.3
85	55.2	43.3	64.9
99	63.7	49.1	73.7

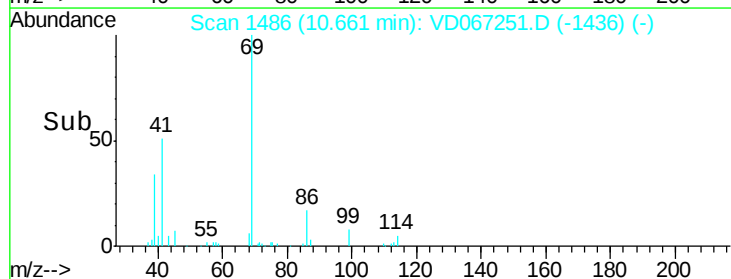
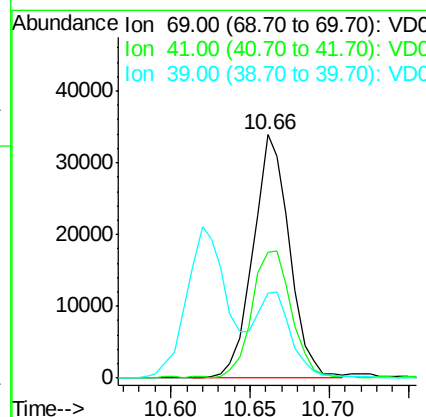
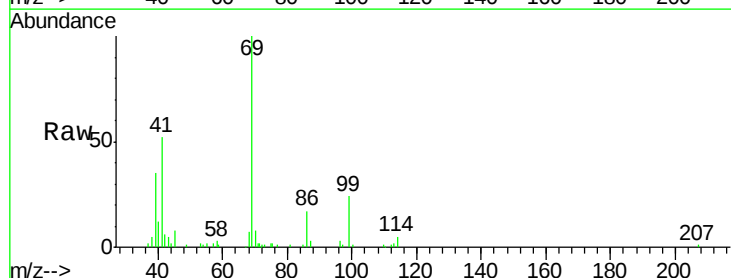
Manual Integrations
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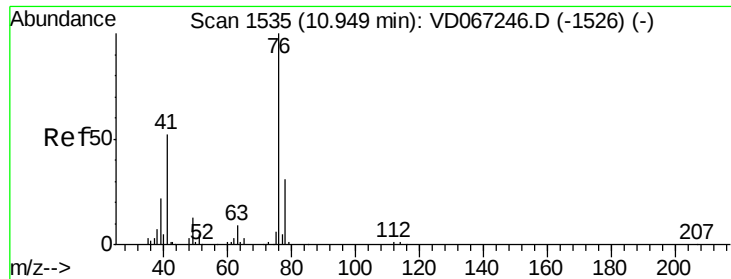
MMDadoda
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#56
 Ethyl methacrylate
 Concen: 21.292 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	69	Resp	54083
Ion	Ratio	Lower	Upper
69	100		
41	57.5	44.7	67.1
39	37.1	26.2	39.2





#57

1,3-Dichloropropane

Concen: 21.948 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 76 Resp: 85543

Ion Ratio Lower Upper

76 100

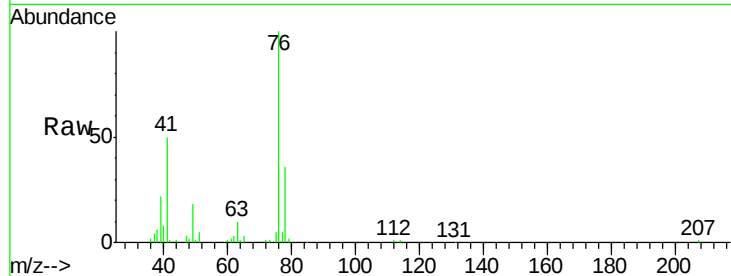
78 32.7 26.8 40.2

Manual Integrations

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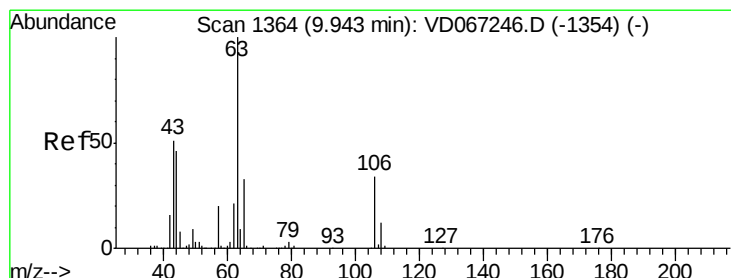
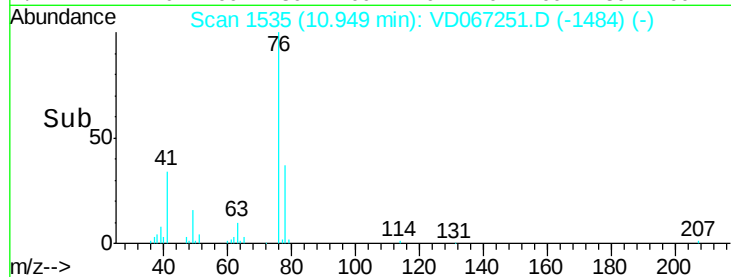
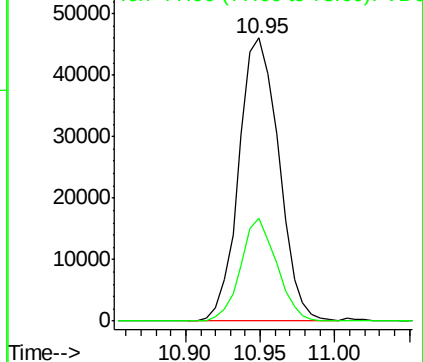
MMDadoda

10/14/2020 2:10:19 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 108.339 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VD067251.D

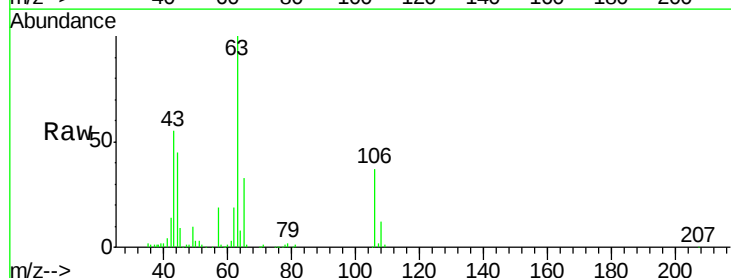
Acq: 13 Oct 2020 14:47

Tgt Ion: 63 Resp: 141168

Ion Ratio Lower Upper

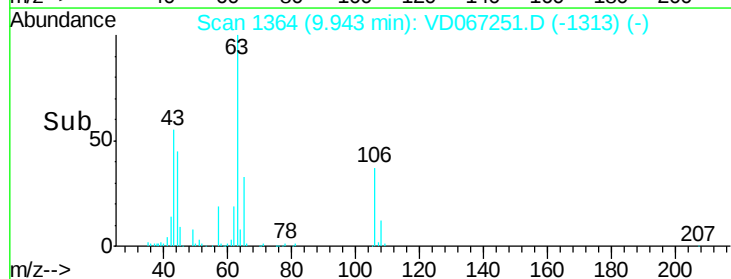
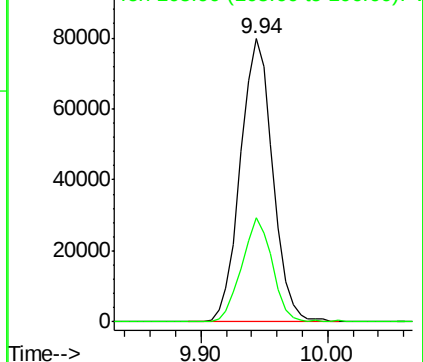
63 100

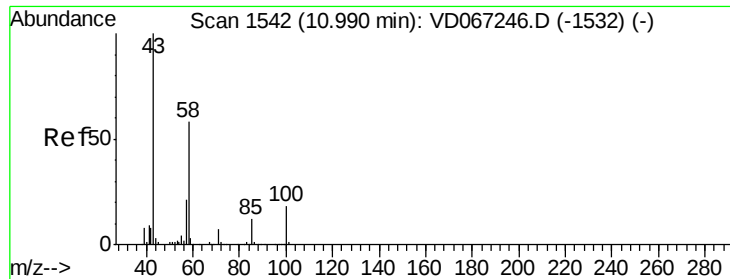
106 35.0 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





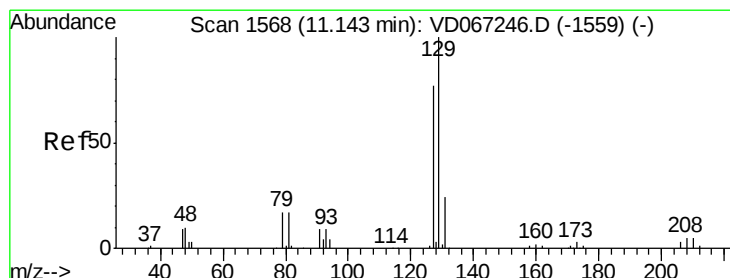
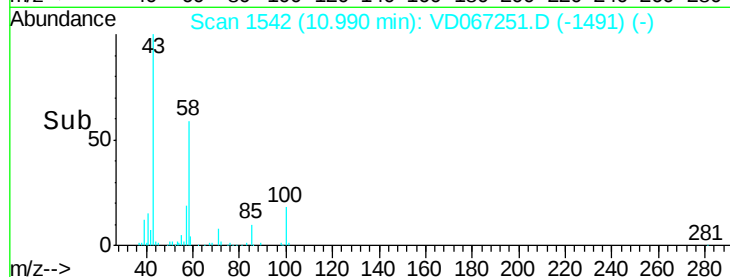
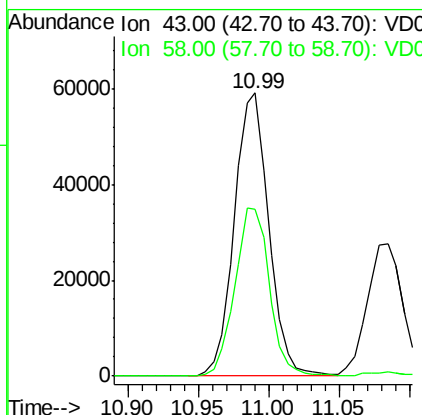
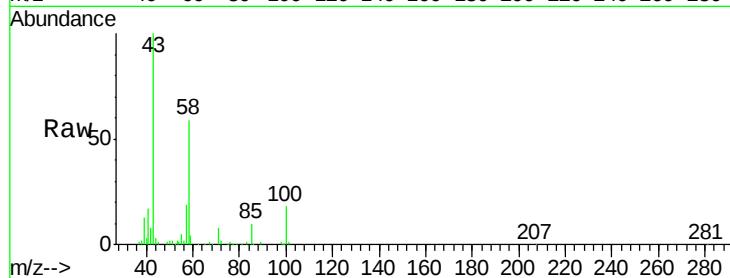
#59
2-Hexanone
Concen: 111.767 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 43 Resp: 100828
Ion Ratio Lower Upper
43 100
58 59.6 29.3 87.9

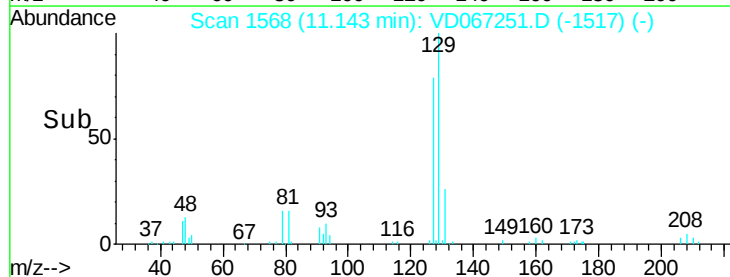
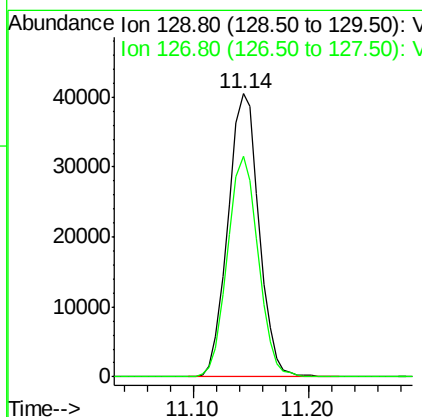
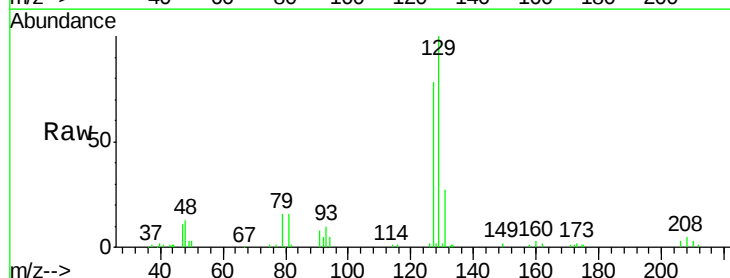
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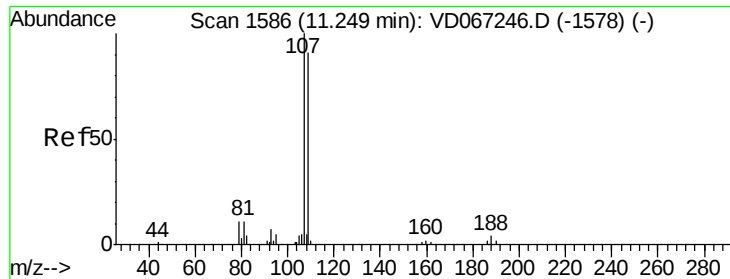
MMDadoda
10/14/2020 2:10:19 PM



#60
Dibromochloromethane
Concen: 21.102 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 129 Resp: 75369
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





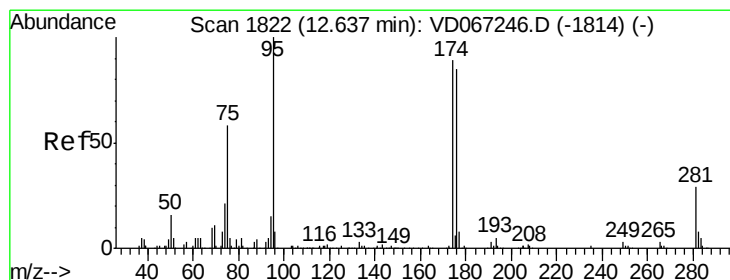
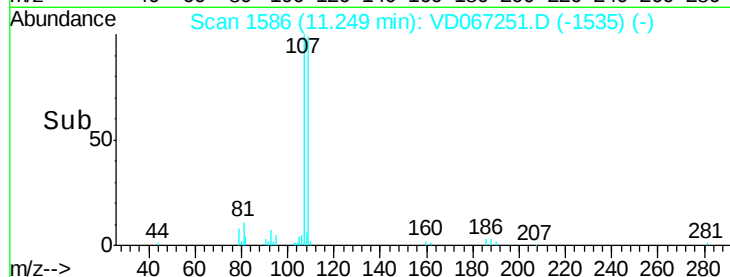
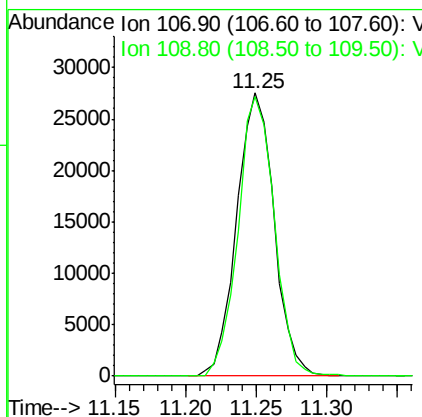
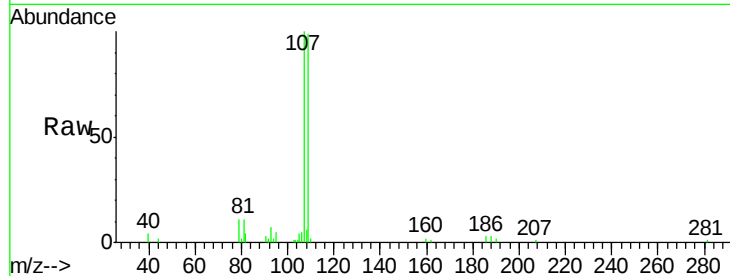
#61
 1,2-Dibromoethane
 Concen: 21.148 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion: 107 Resp: 51062
 Ion Ratio Lower Upper
 107 100
 109 96.1 74.6 112.0

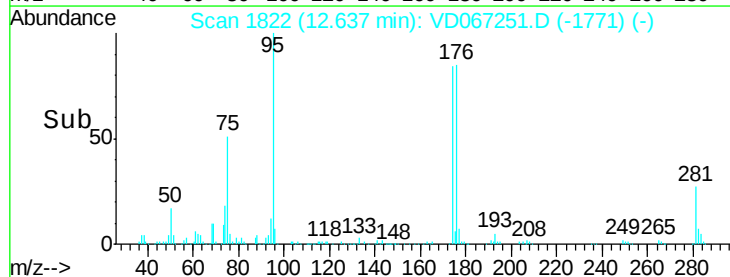
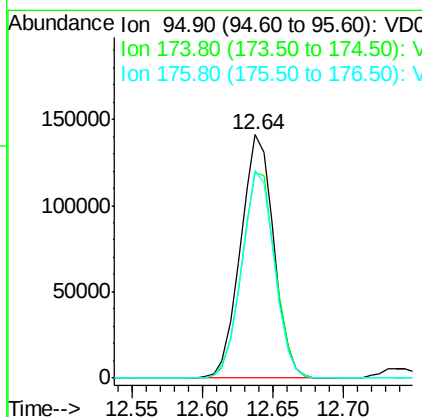
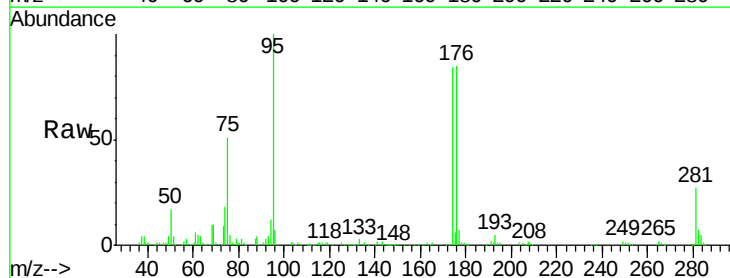
Manual Integrations
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#62
 4-Bromofluorobenzene
 Concen: 52.044 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion: 95 Resp: 233143
 Ion Ratio Lower Upper
 95 100
 174 85.4 0.0 175.2
 176 83.8 0.0 168.6





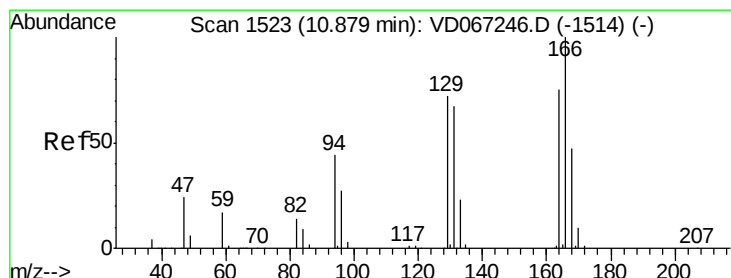
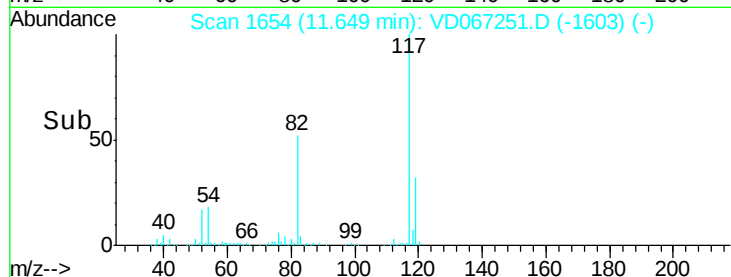
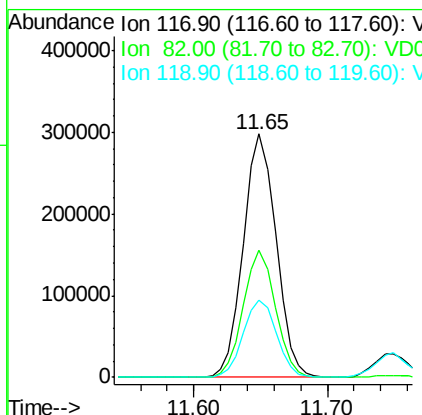
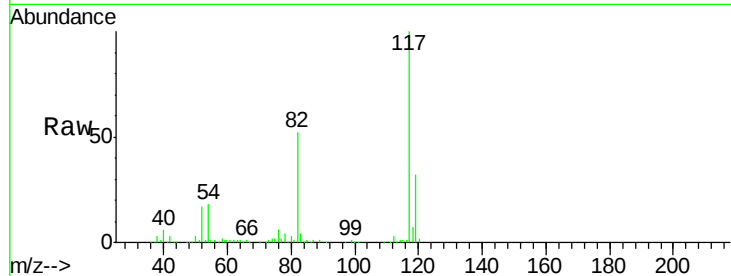
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	507490		
82	52.0		39.9	59.9
119	31.7		24.9	37.3

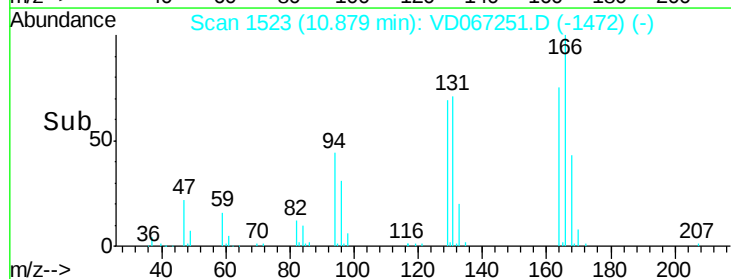
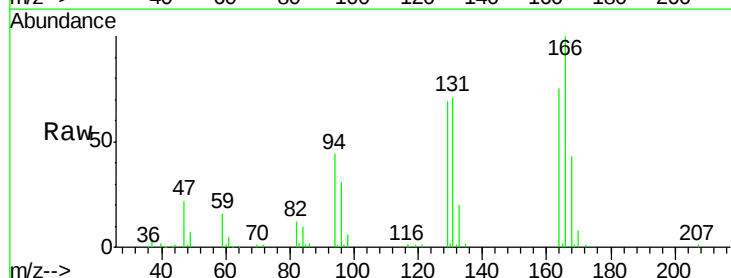
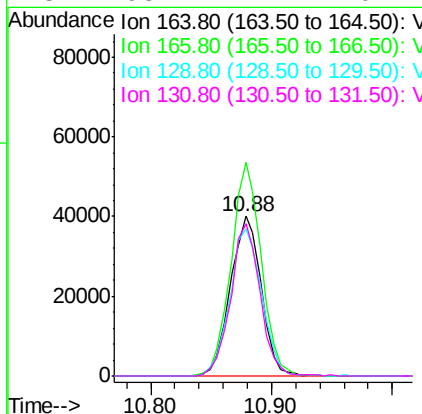
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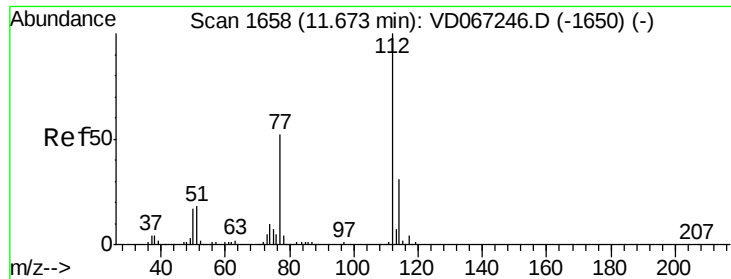
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#64
Tetrachloroethene
Concen: 19.327 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	71064		
166	133.7		107.3	160.9
129	92.2		77.3	115.9
131	95.4		71.4	107.2





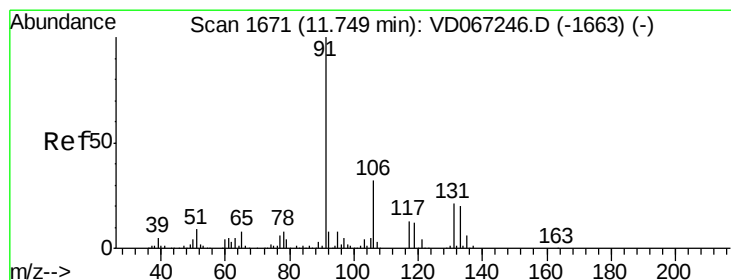
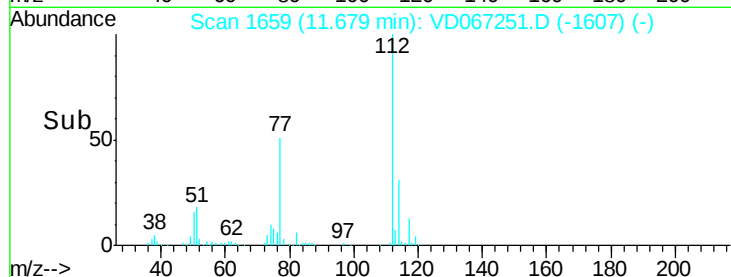
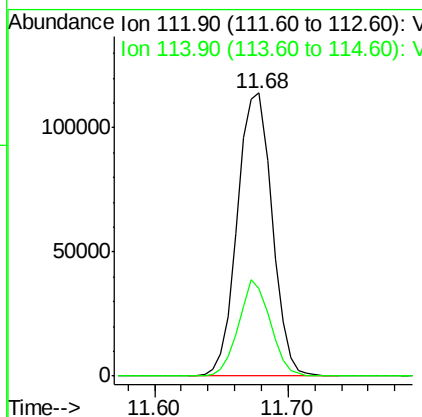
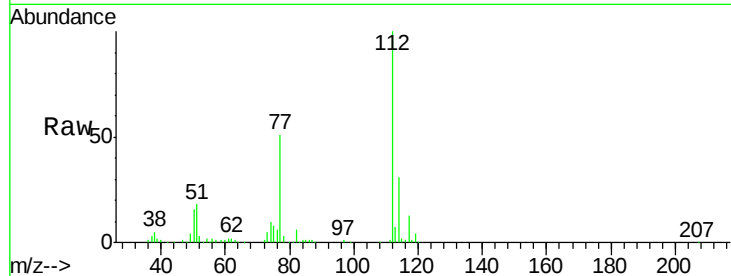
#65
Chlorobenzene
Concen: 21.146 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
112	100	205790		
114	31.1	25.0	37.4	

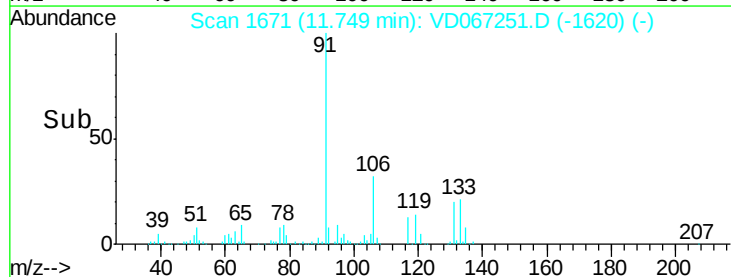
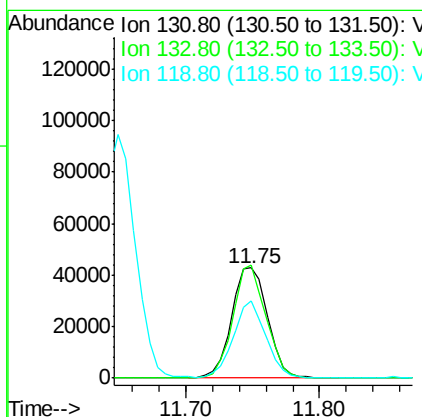
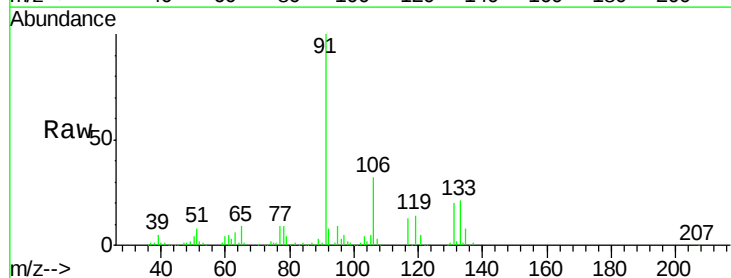
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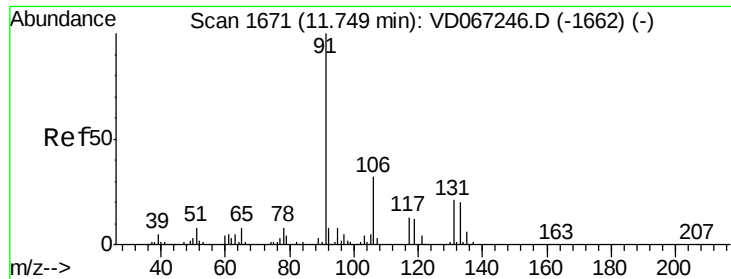
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.674 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	79964		
133	94.7	48.1	144.3	
119	63.3	30.0	90.0	





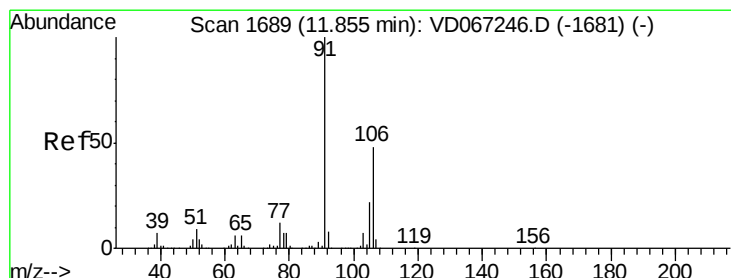
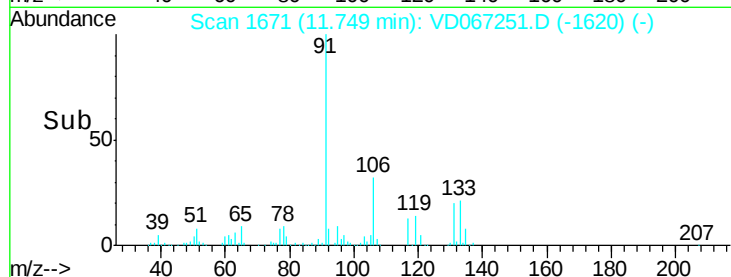
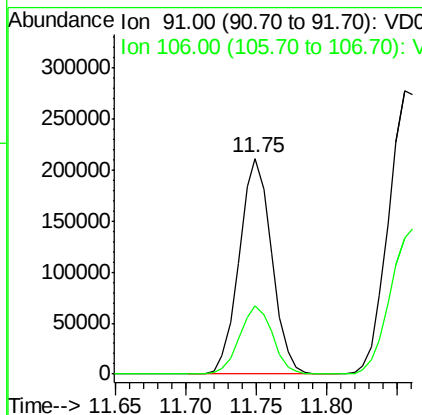
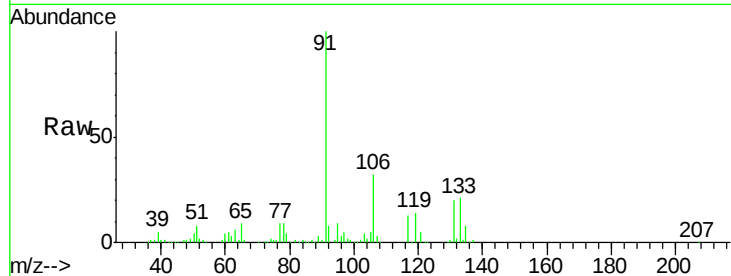
#67
Ethyl Benzene
Concen: 20.391 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion: 91 Resp: 340161
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.0

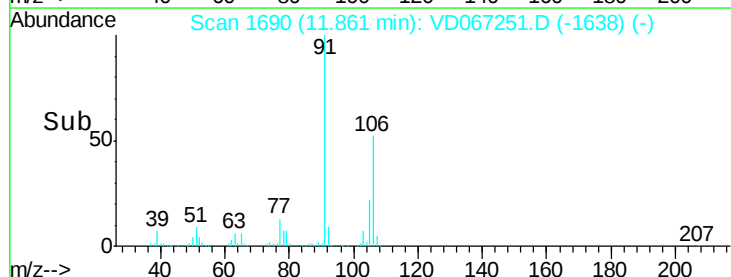
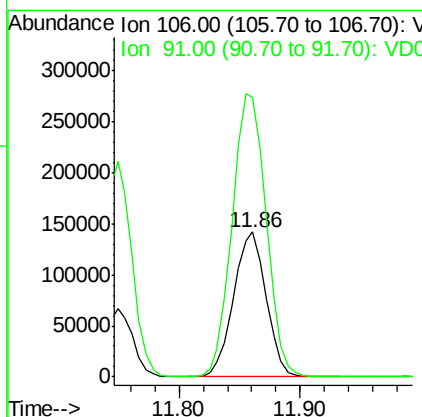
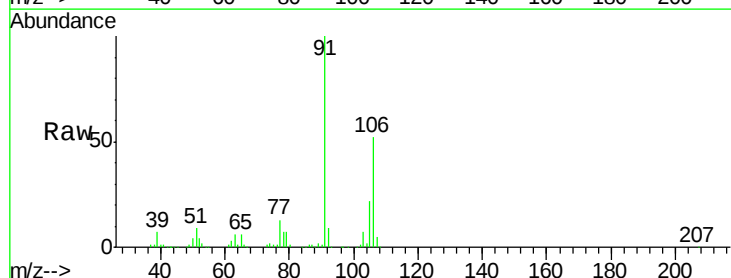
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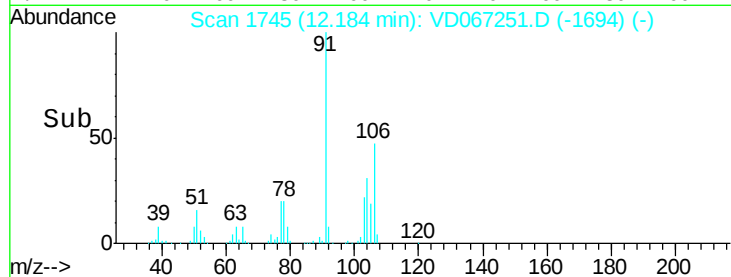
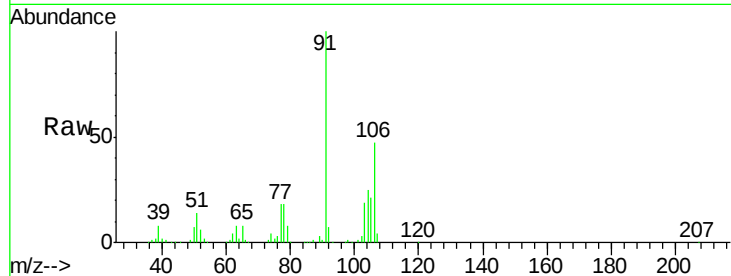
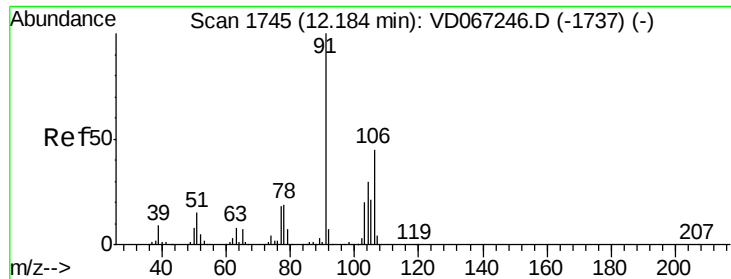
MMDadoda
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#68
m/p-Xylenes
Concen: 41.609 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion: 106 Resp: 267293
Ion Ratio Lower Upper
106 100
91 203.6 163.8 245.8





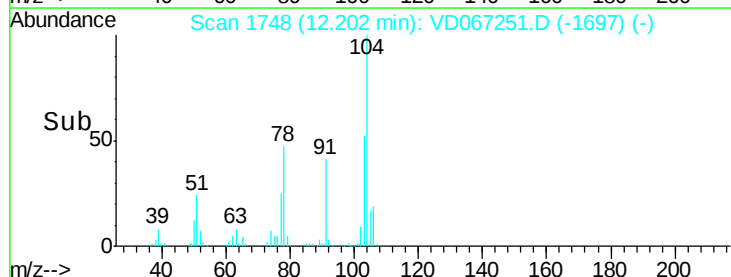
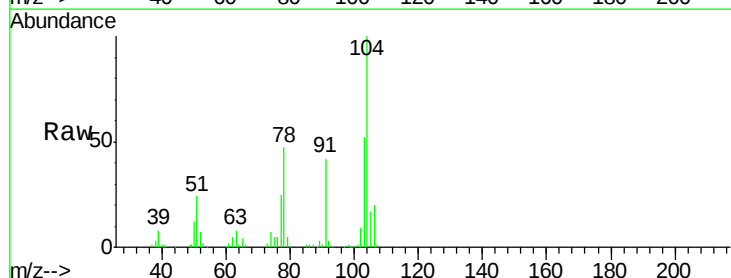
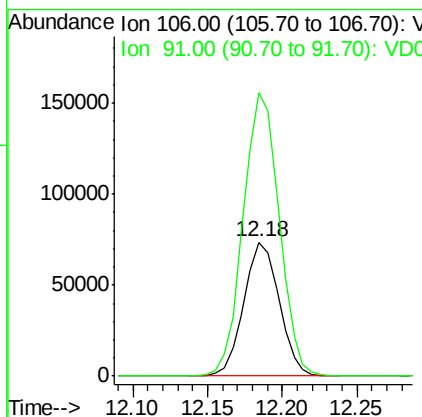
#69
o-Xylene
Concen: 20.359 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tot Ion	Ion	Ratio	Resp	Lower	Upper
121110	106	100			
	91	215.2	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

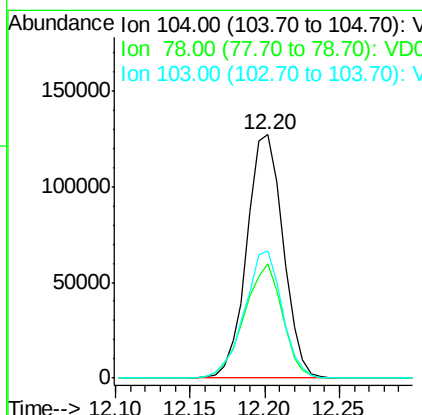
Manual Integrations
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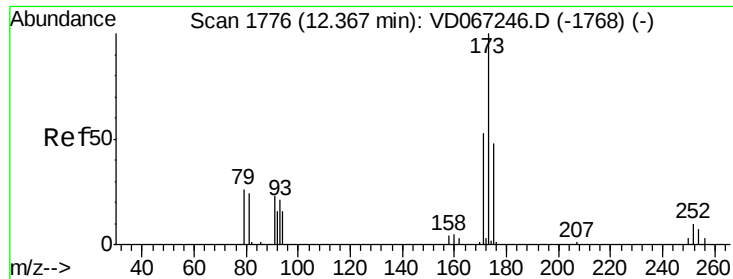
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#70
Styrene
Concen: 20.856 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
213568	104	100			
	78	49.6	39.8	59.6	
	103	54.5	42.6	64.0	





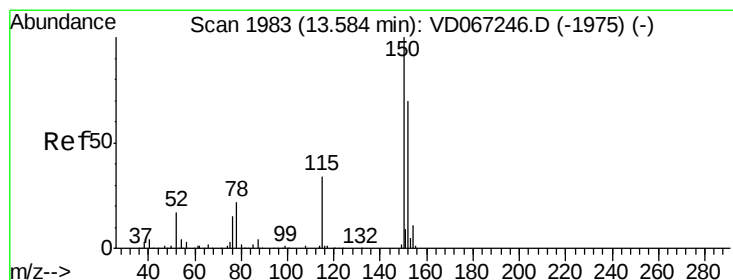
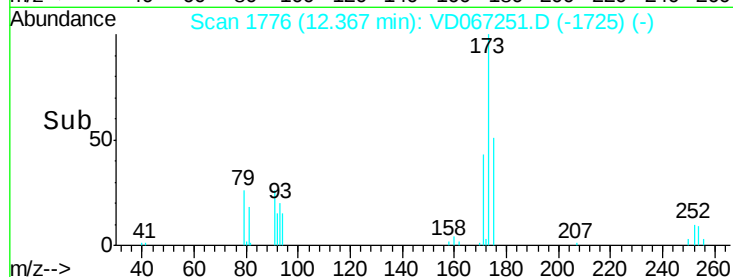
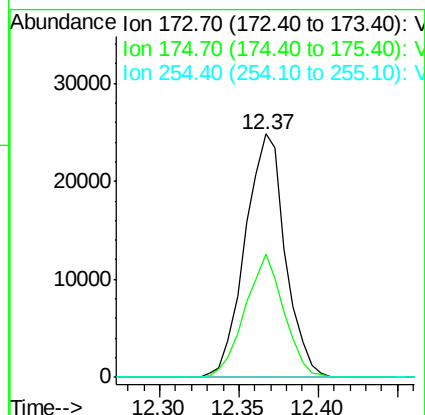
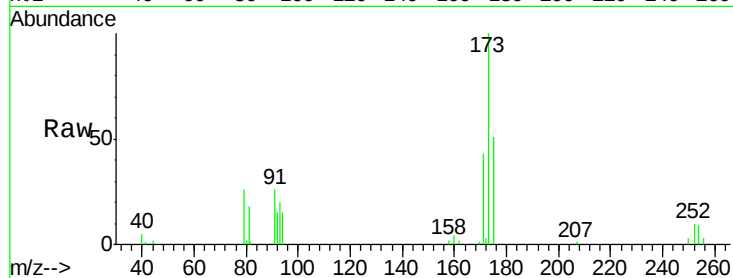
#71
Bromoform
Concen: 20.978 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	24.2	72.6
254	0.0	0.1	0.1#

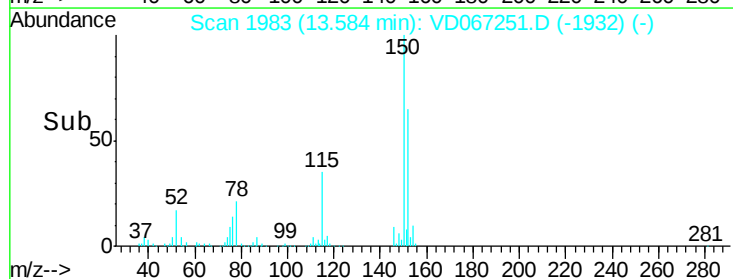
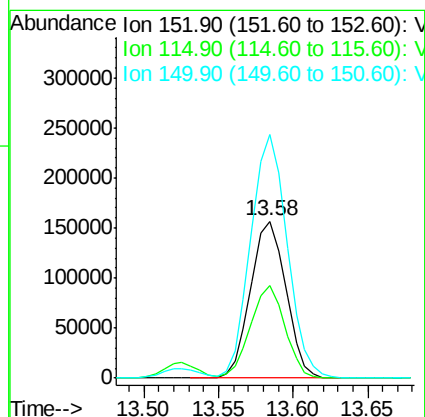
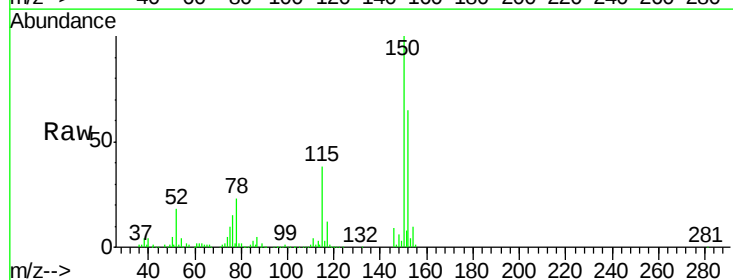
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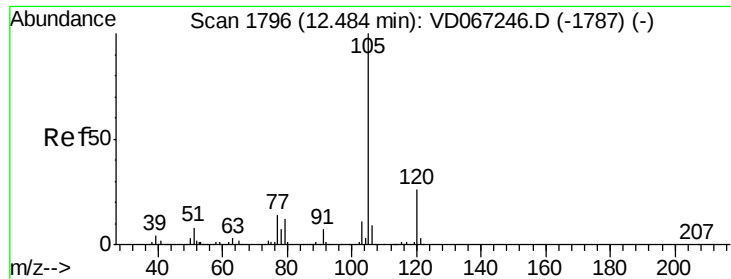
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	29.3	87.9
150	159.7	0.0	339.0





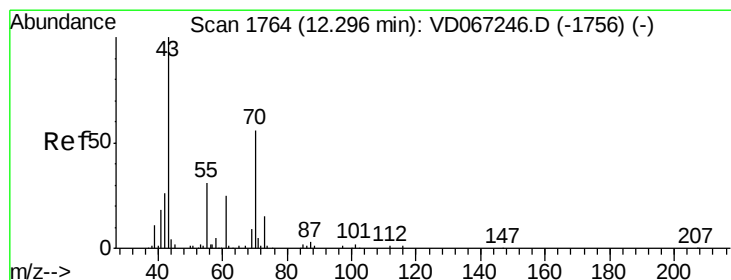
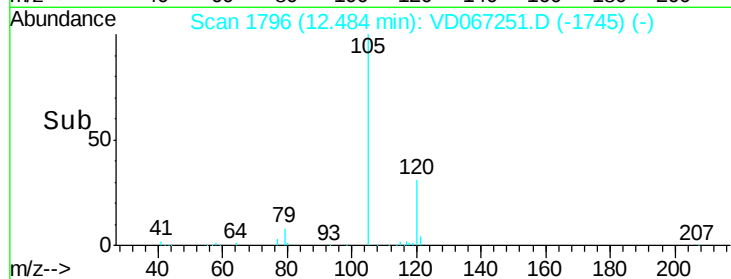
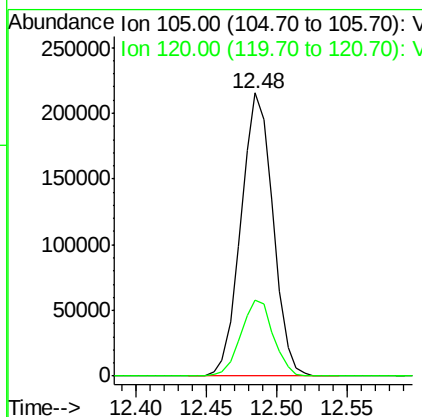
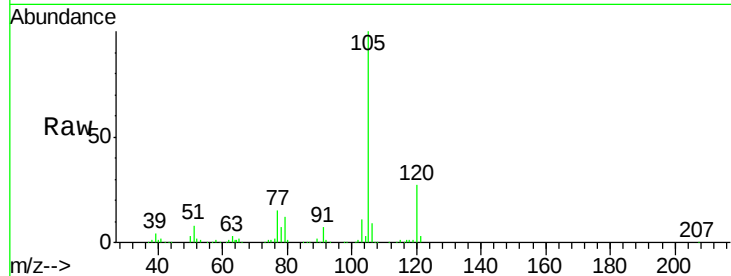
#73
Isopropylbenzene
Concen: 20.885 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.3	39.8

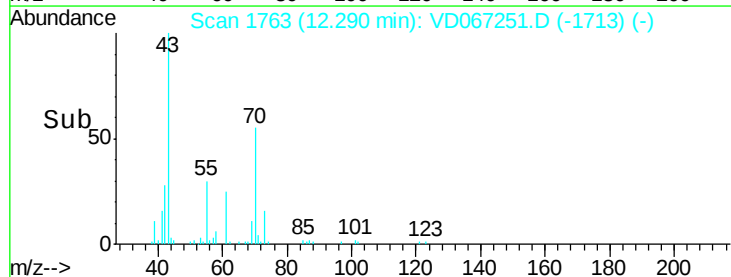
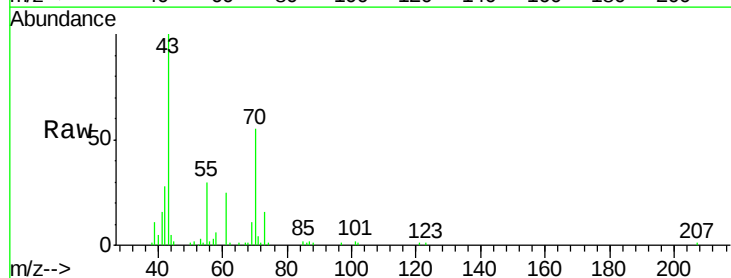
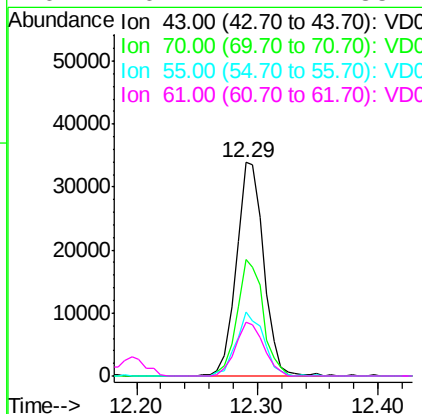
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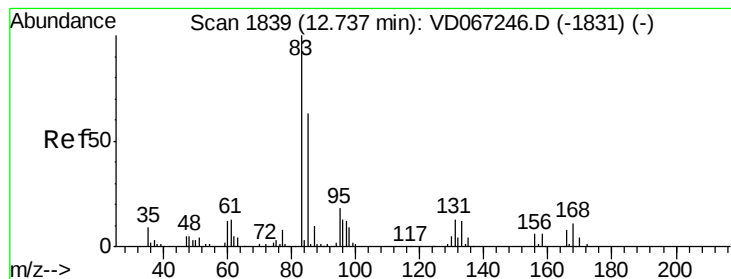
MMDadoda
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#74
N-ethyl acetate
Concen: 21.631 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.0	42.7	64.1
55	29.8	24.0	36.0
61	26.1	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.125 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

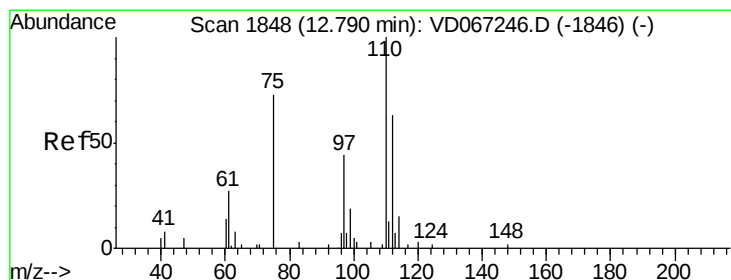
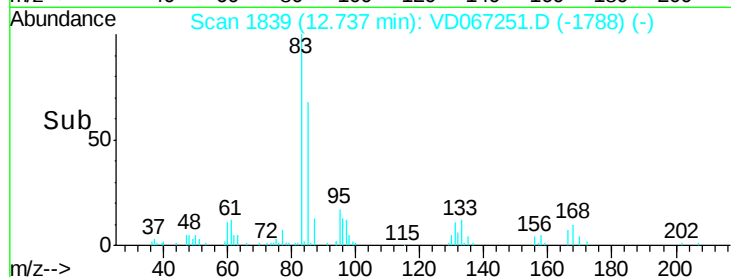
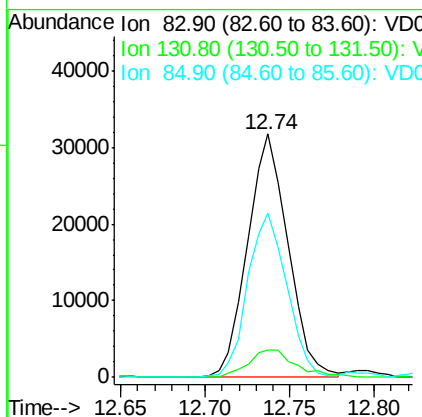
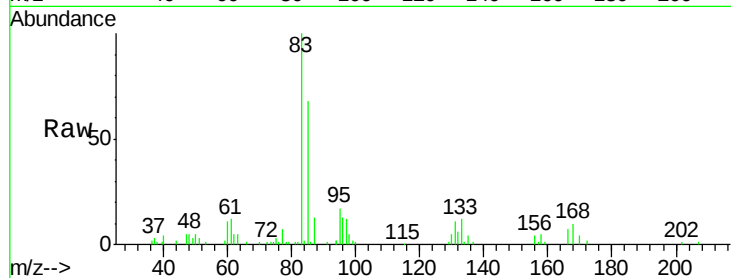
ClientSampleId :

VD1013SBS01

Tot Ion:	83	Resp:	52996
Ion Ratio	Lower	Upper	
83	100		
131	13.2	6.5	19.5
85	65.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 18.223 ug/l m

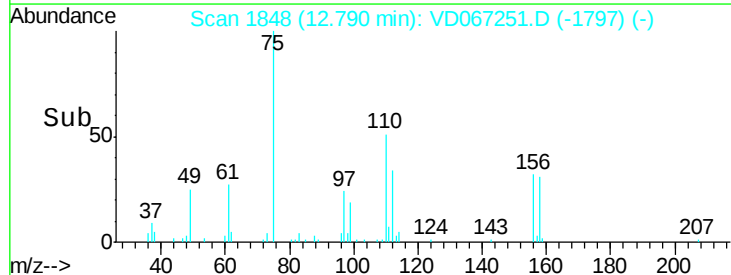
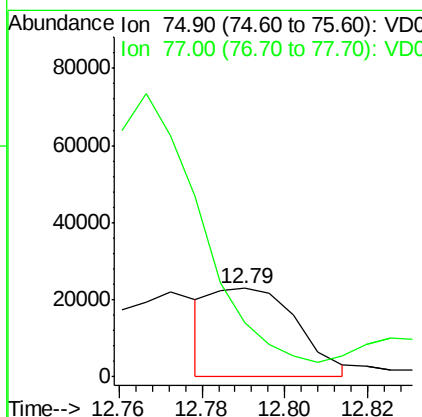
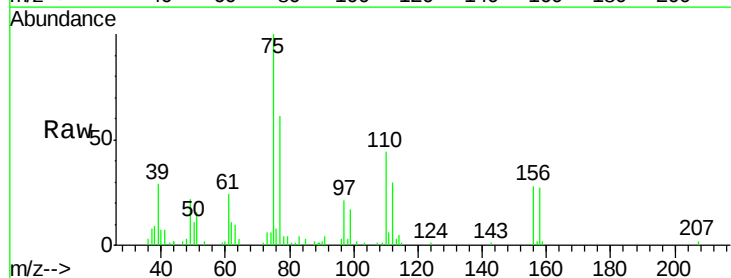
RT: 12.79 min Scan# 1848

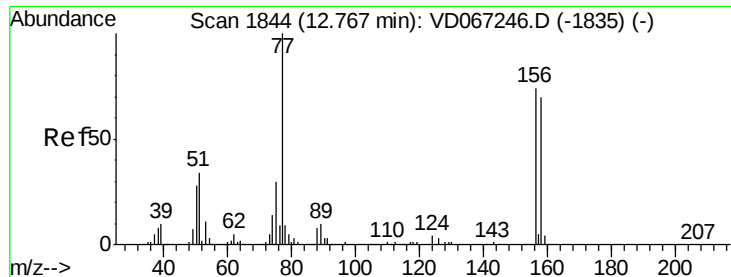
Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	75	Resp:	32584
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.443 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

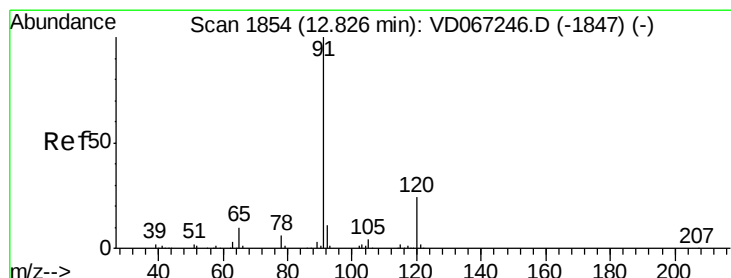
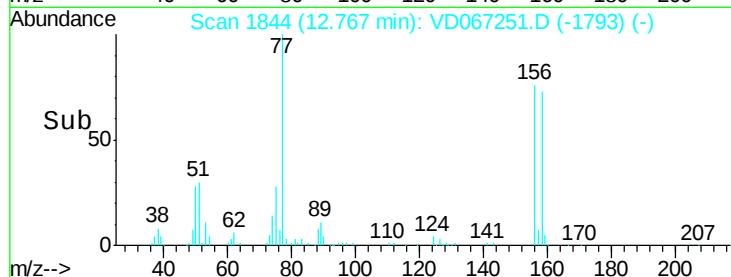
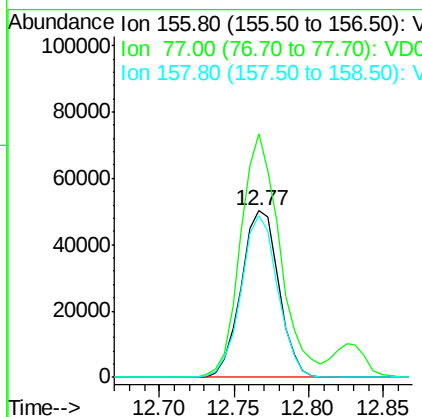
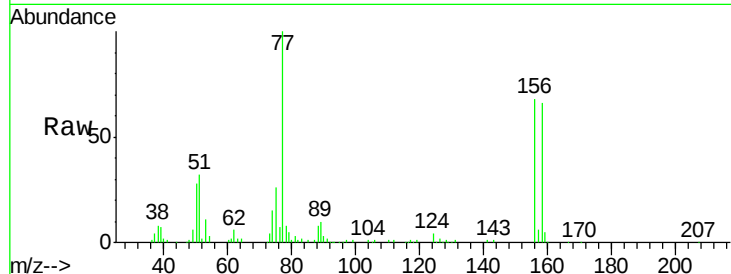
ClientSampleId :

VD1013SBS01

Tot Ion:	156	Resp:	87529
Ion	Ratio	Lower	Upper
156	100		
77	152.7	78.0	233.8
158	95.1	49.1	147.3

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#78

n-propylbenzene

Concen: 20.649 ug/l

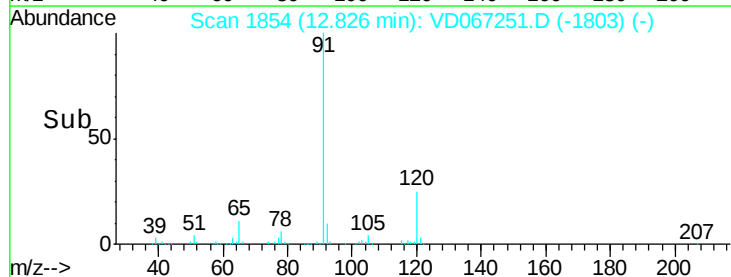
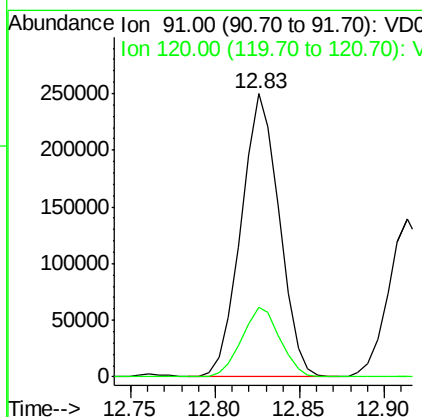
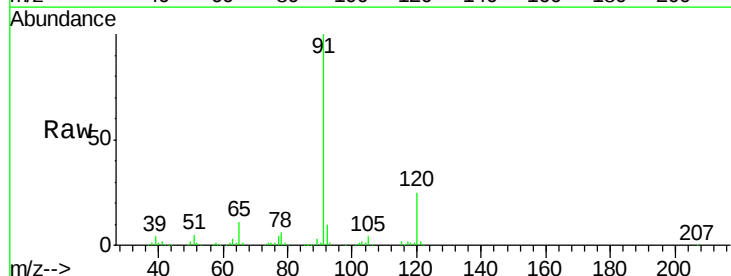
RT: 12.83 min Scan# 1854

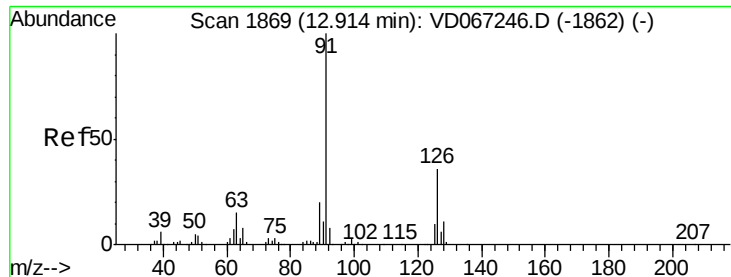
Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	91	Resp:	391710
Ion	Ratio	Lower	Upper
91	100		
120	24.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.989 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

ClientSampleId :

VD1013SBS01

Tot Ion: 91 Resp: 230906

Ion Ratio Lower Upper

91 100

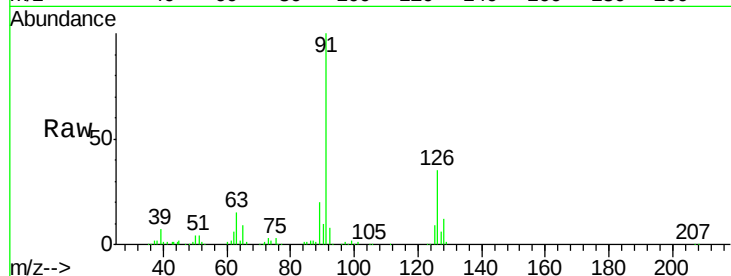
126 35.8 17.6 52.8

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Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067246.D (-1862) (-)

250000

200000

150000

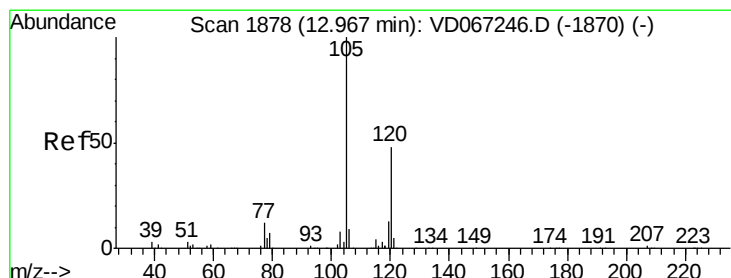
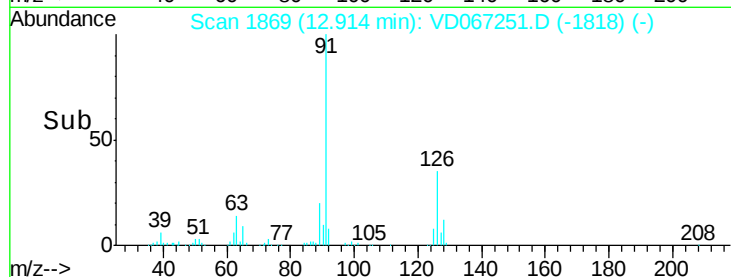
100000

50000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.939 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067251.D

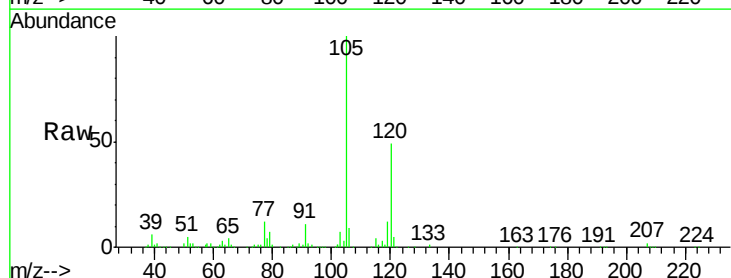
Acq: 13 Oct 2020 14:47

Tgt Ion:105 Resp: 297930

Ion Ratio Lower Upper

105 100

120 49.1 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD067246.D (-1870) (-)

200000

150000

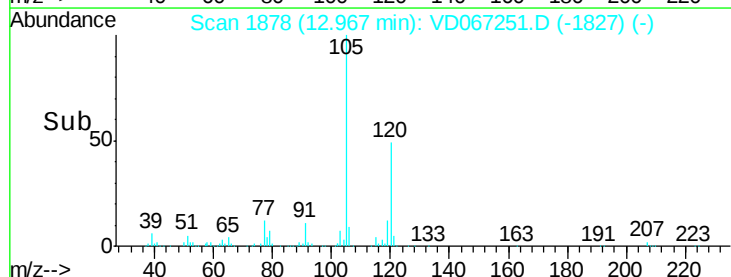
100000

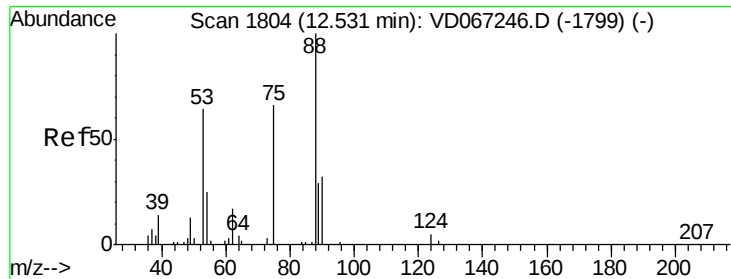
50000

0

12.90 12.95 13.00

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 21.445 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

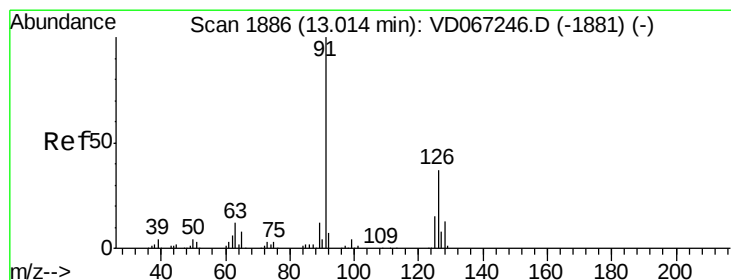
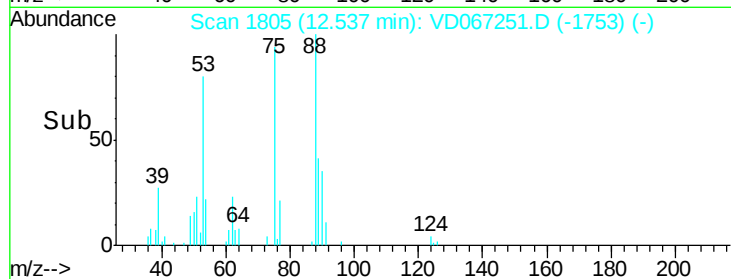
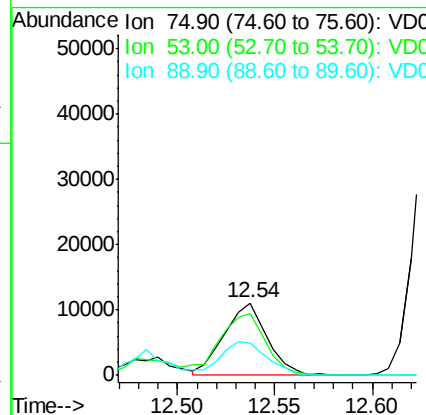
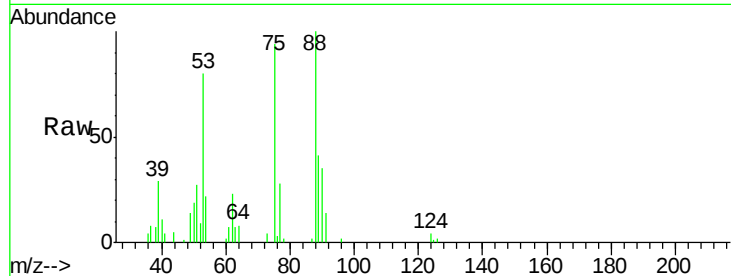
ClientSampleId :

VD1013SBS01

Tot Ion:	75	Resp:	16909
Ion	Ratio	Lower	Upper
75	100		
53	93.5	78.5	117.7
89	49.2	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.595 ug/l

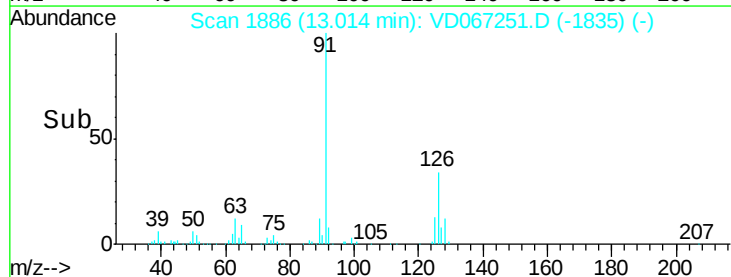
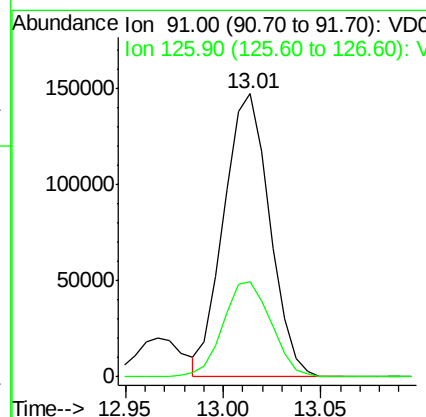
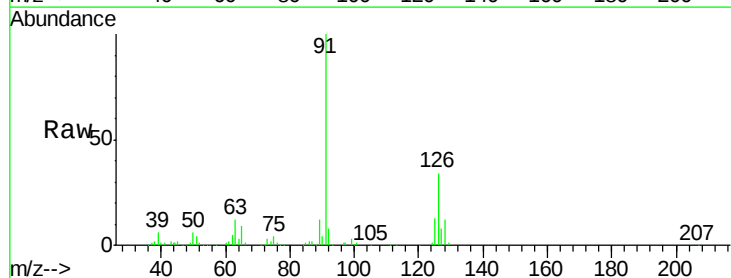
RT: 13.01 min Scan# 1886

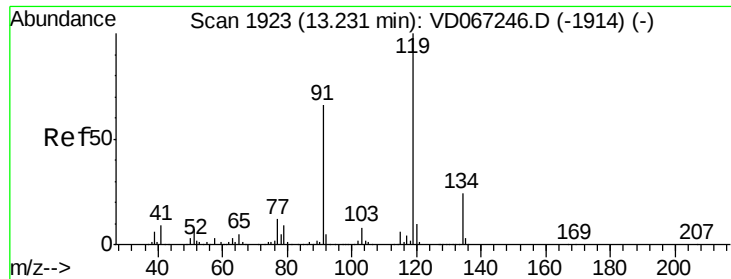
Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	91	Resp:	240467
Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.8	53.5





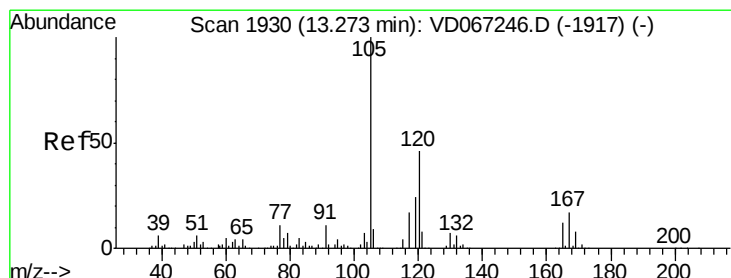
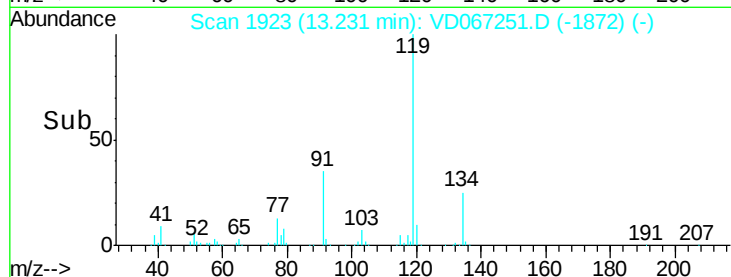
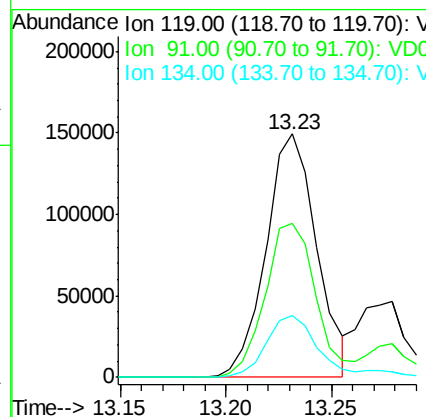
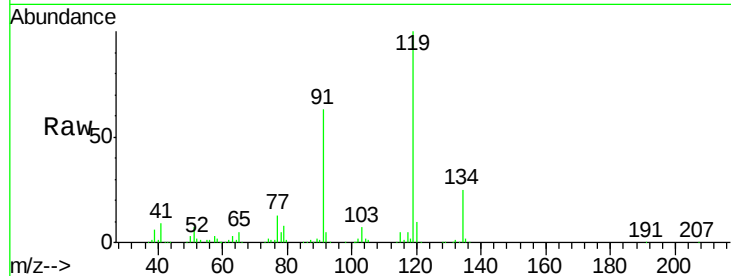
#83
tert-Butylbenzene
Concen: 20.734 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	249196		
91	64.2		33.1	99.2
134	27.3		13.3	39.9

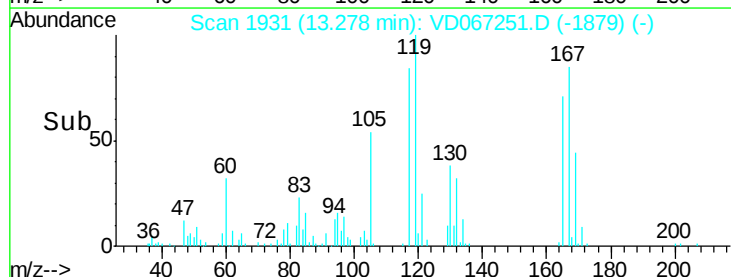
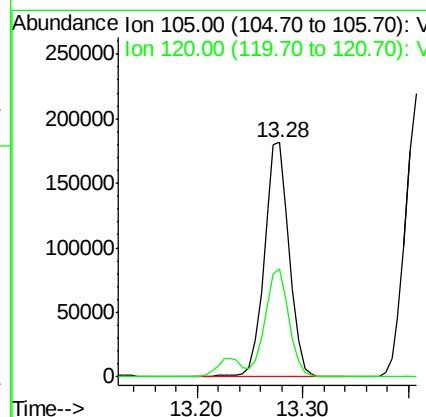
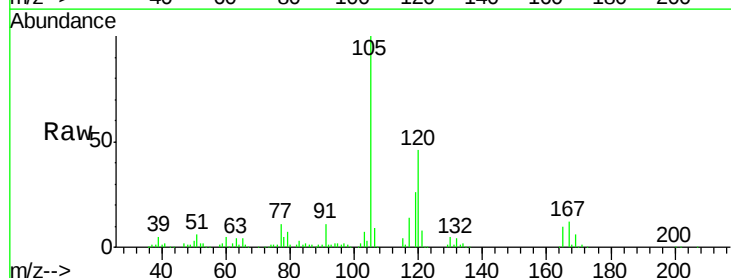
Manual Integrations
APPROVED

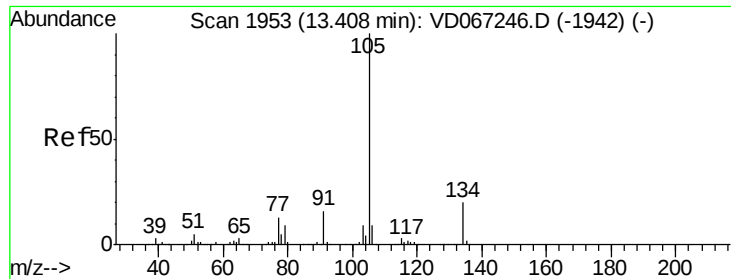
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.938 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.01 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	294443		
120	44.5		22.4	67.3





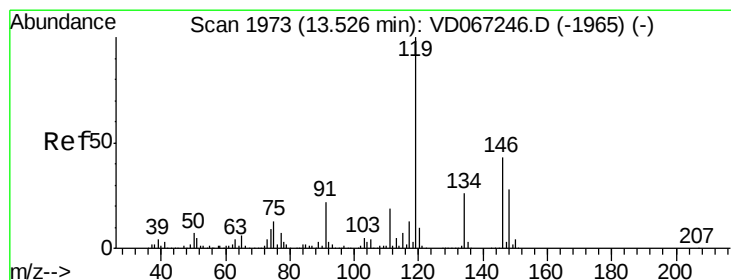
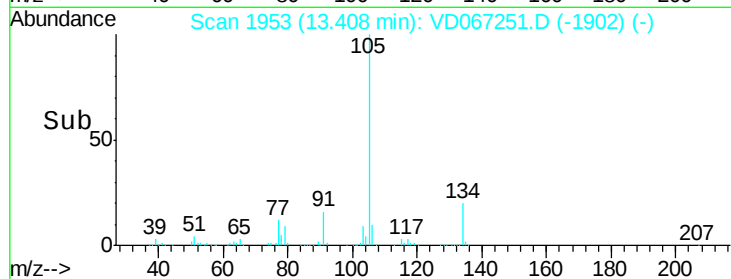
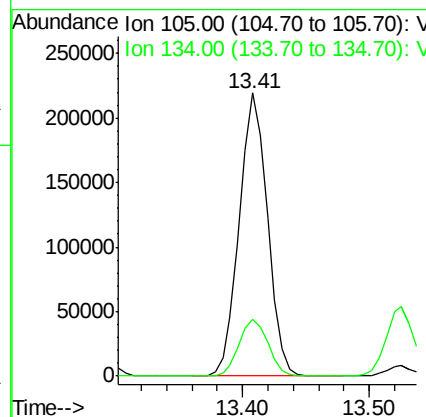
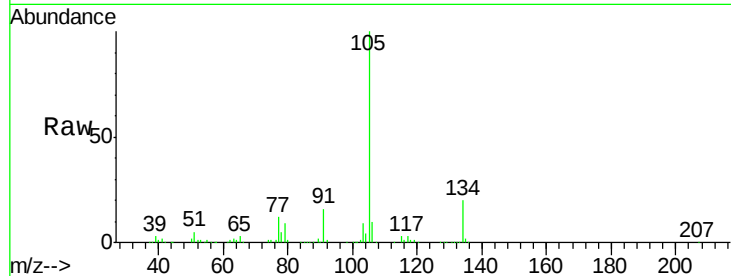
#85
 sec-Butylbenzene
 Concen: 20.469 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.7	10.5	31.5

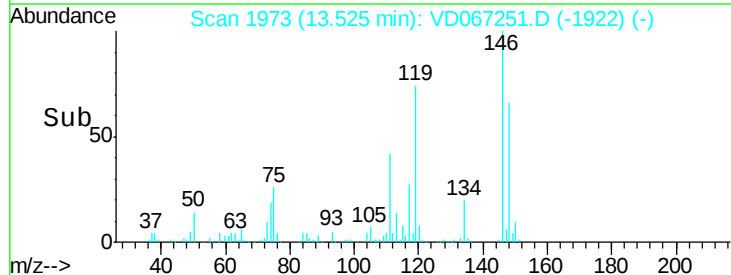
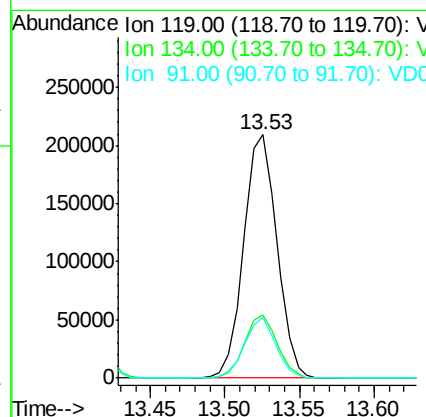
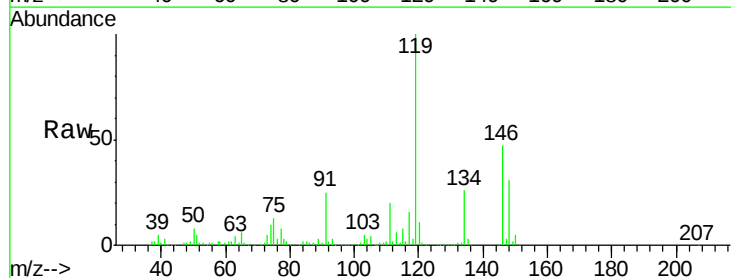
Manual Integrations
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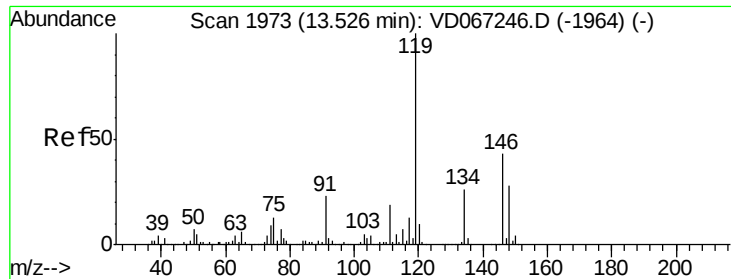
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 20.740 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.5	13.1	39.3
91	23.5	11.9	35.9





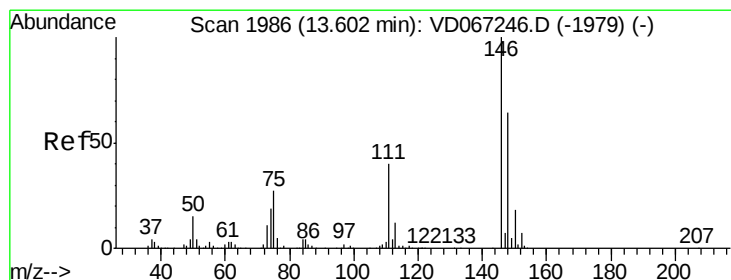
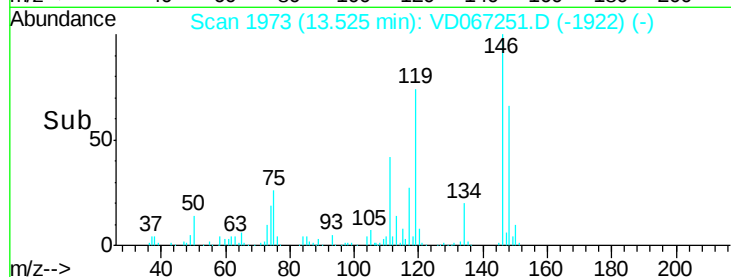
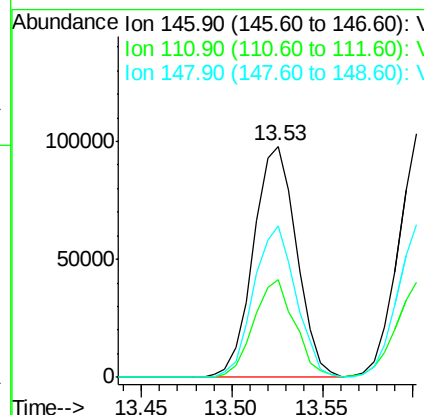
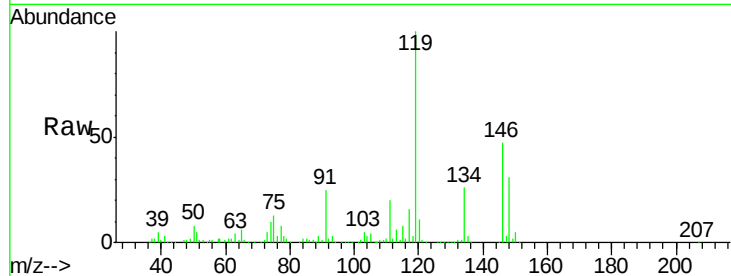
#87
 1,3-Dichlorobenzene
 Concen: 20.610 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	161933		
111	40.5	21.1	63.3	
148	64.2	31.9	95.9	

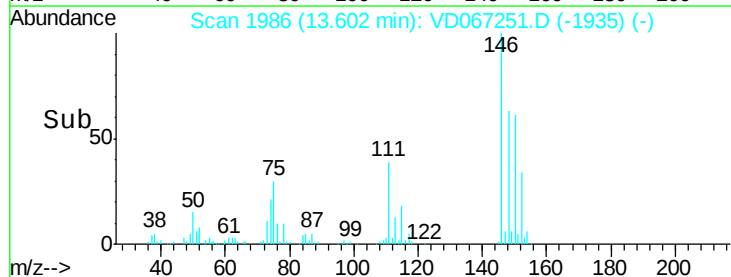
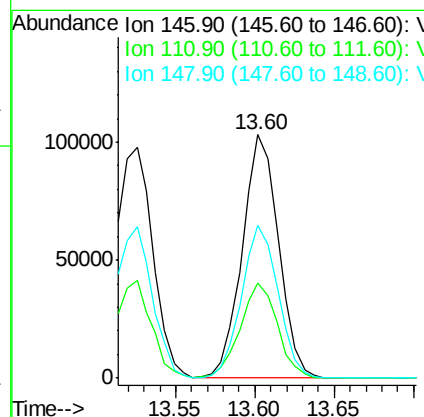
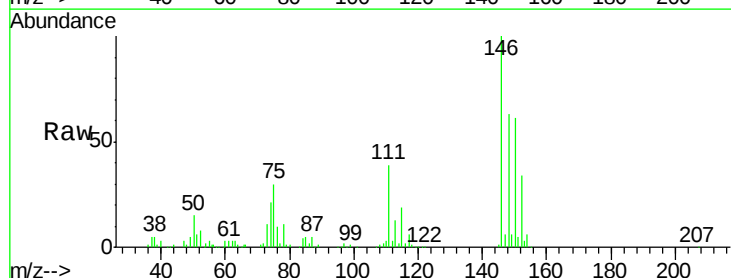
Manual Integrations
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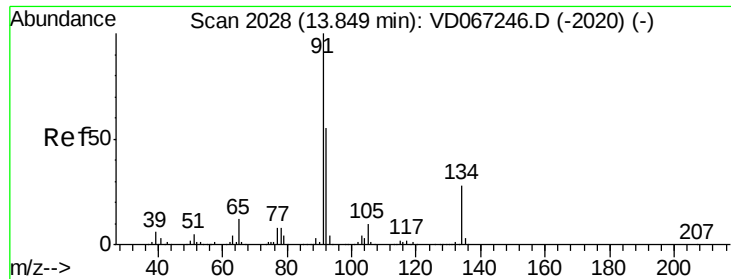
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 21.151 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	164647		
111	39.9	19.9	59.7	
148	63.2	31.9	95.9	





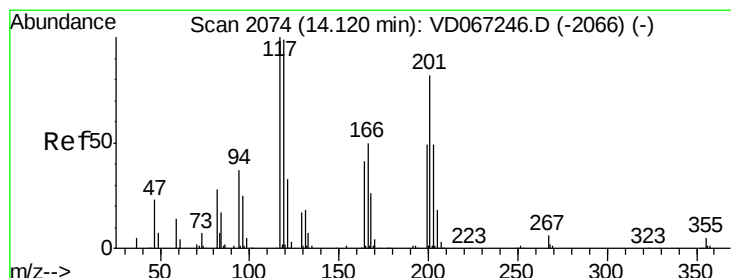
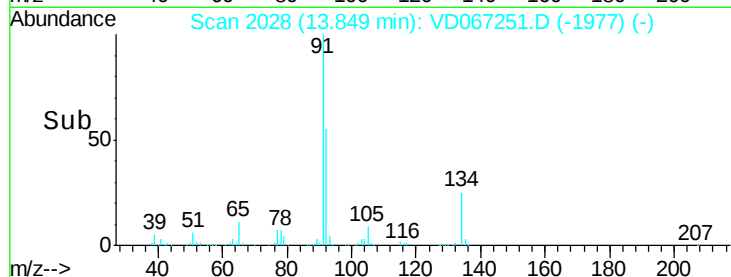
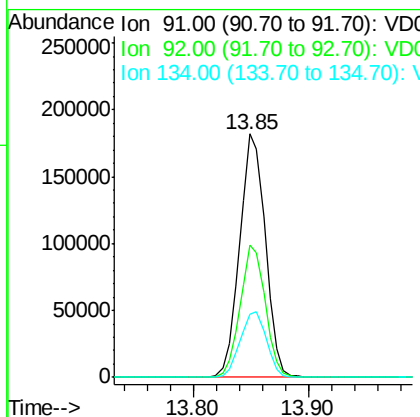
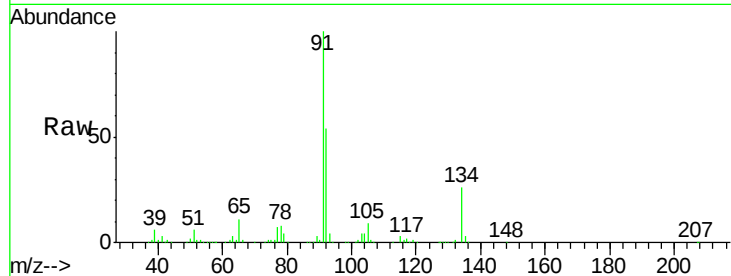
#89
n-Butylbenzene
Concen: 20.525 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Instrument :
MSVOA_D
ClientSampleId :
VD1013SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.7	80.0
134	27.7	14.2	42.6

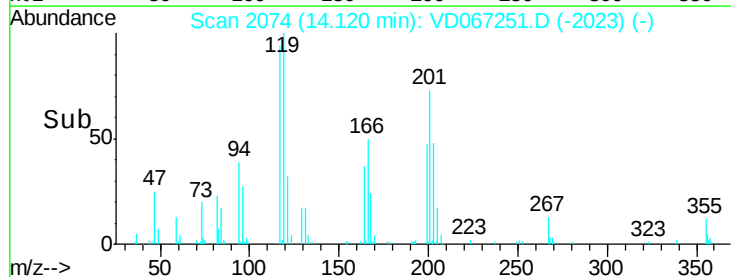
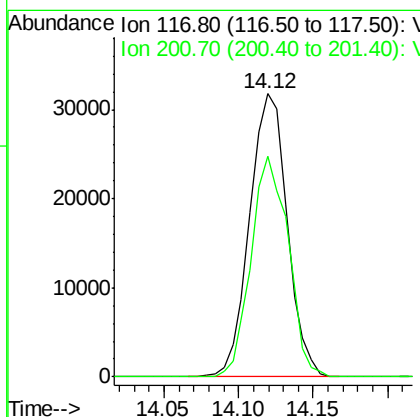
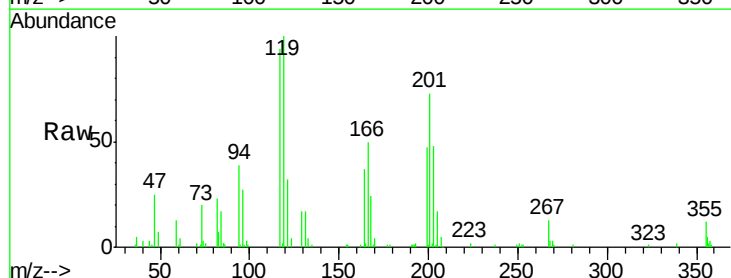
Manual Integrations
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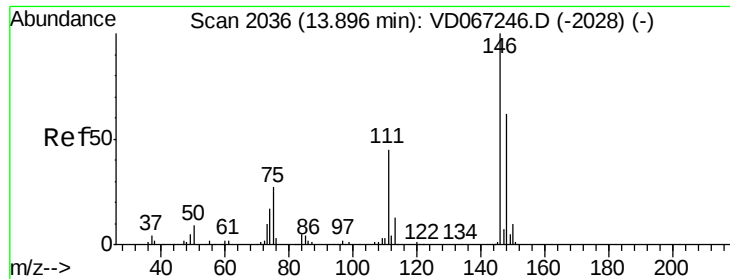
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#90
Hexachloroethane
Concen: 20.352 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD067251.D
Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
117	100		
201	76.9	40.8	122.2





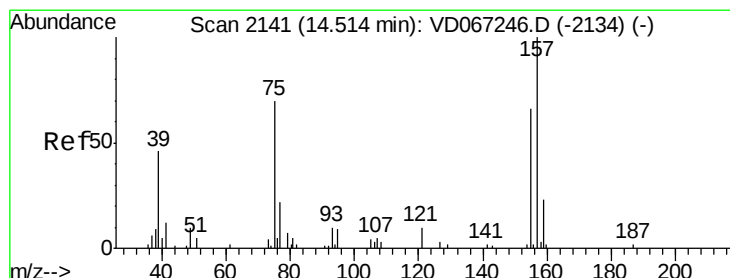
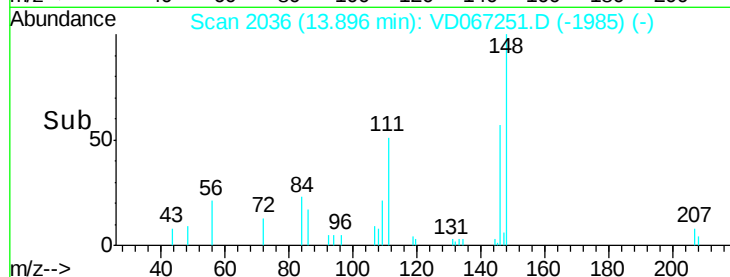
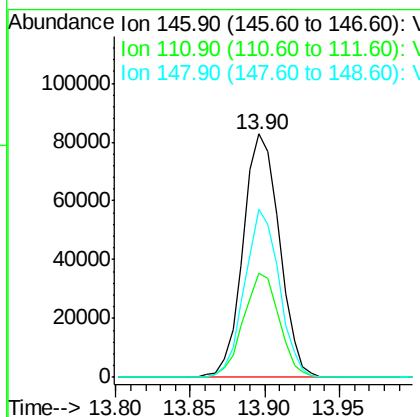
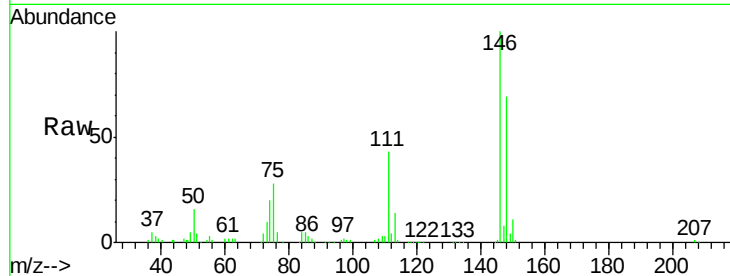
#91
 1,2-Dichlorobenzene
 Concen: 20.257 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	22.0	66.0
148	65.8	32.5	97.5

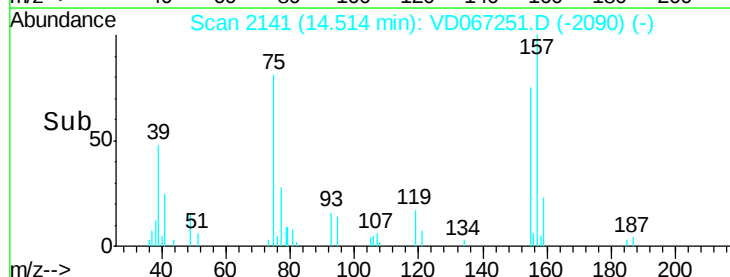
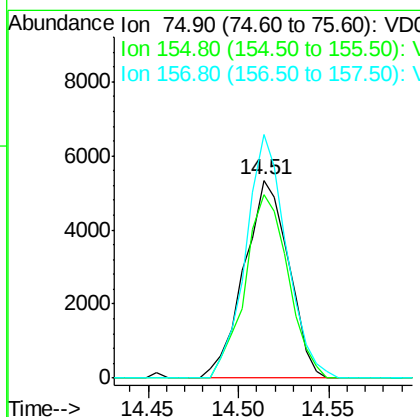
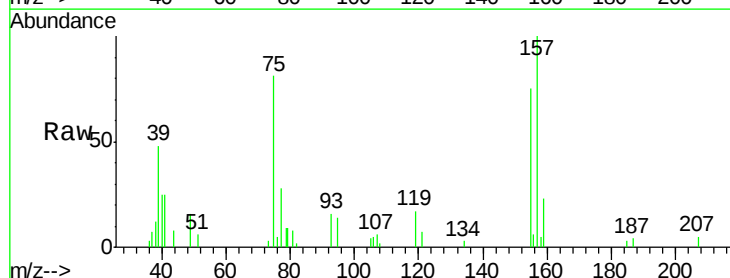
Manual Integrations
 APPROVED

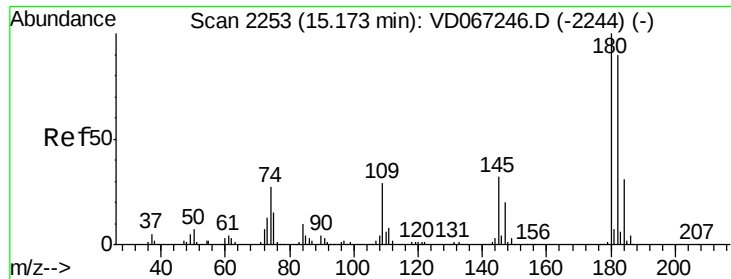
MMDadoda
 10/14/2020 2:10:19 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.052 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.0	44.8	134.4
157	112.3	62.5	187.4





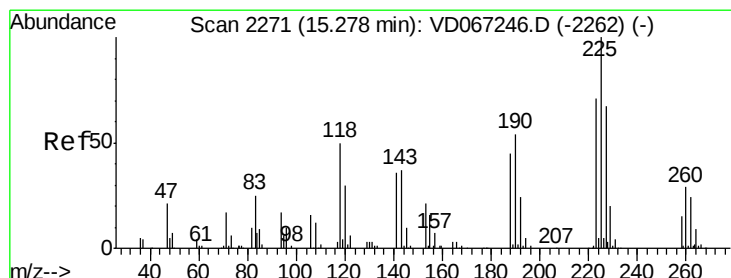
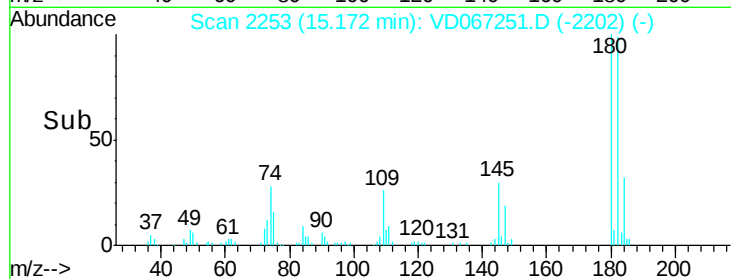
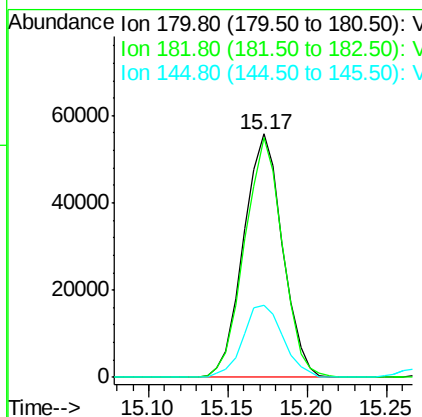
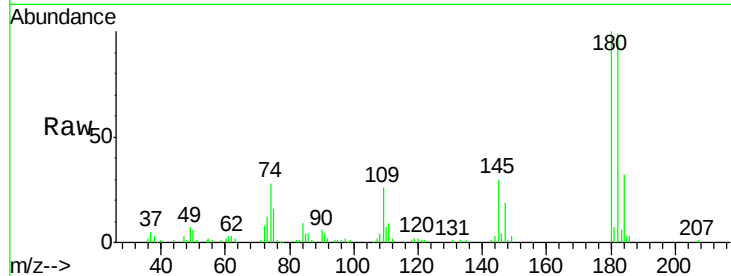
#93
 1,2,4-Trichlorobenzene
 Concen: 20.577 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1013SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	48.1	144.4
145	30.7	16.3	48.9

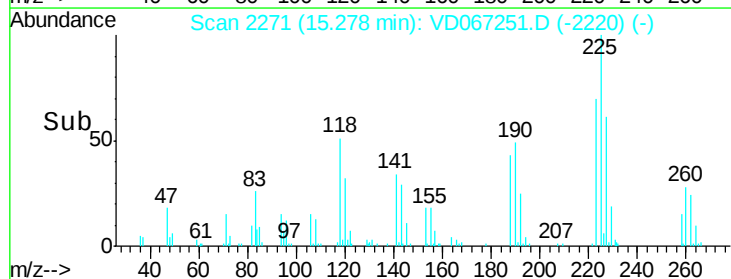
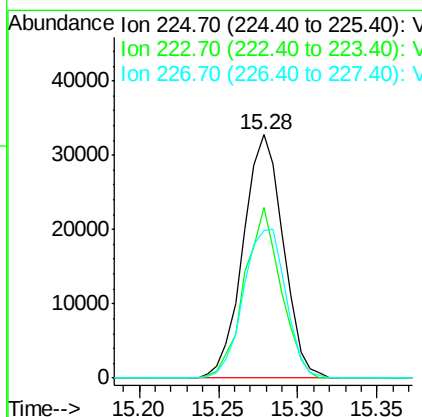
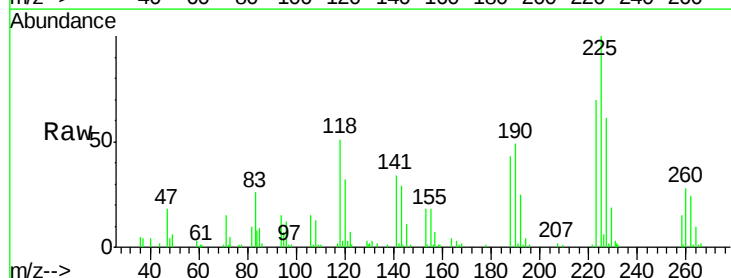
Manual Integrations
 APPROVED

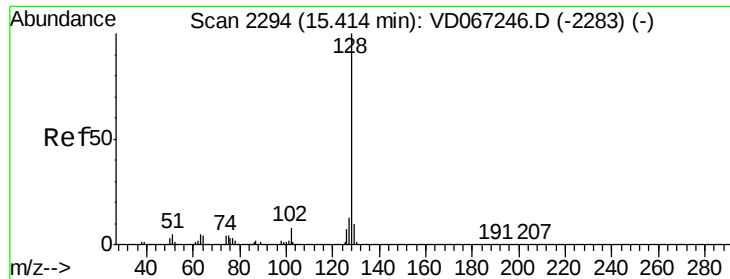
MMDadoda
 10/14/2020 2:10:19 PM



#94
 Hexachlorobutadiene
 Concen: 20.031 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD067251.D
 Acq: 13 Oct 2020 14:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.0	31.9	95.7
227	64.6	31.2	93.6





#95

Naphthalene

Concen: 20.420 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Instrument :

MSVOA_D

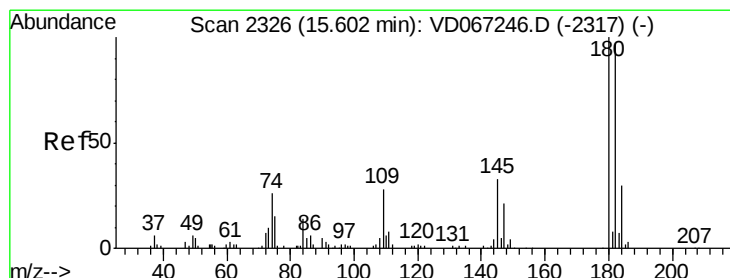
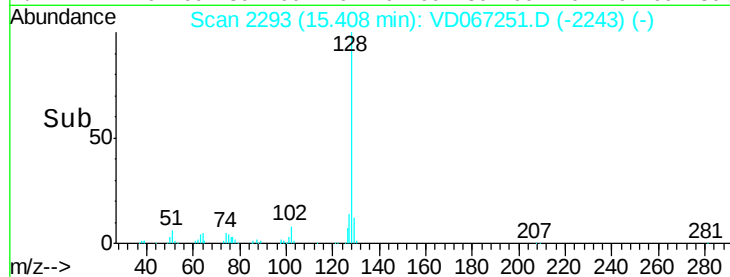
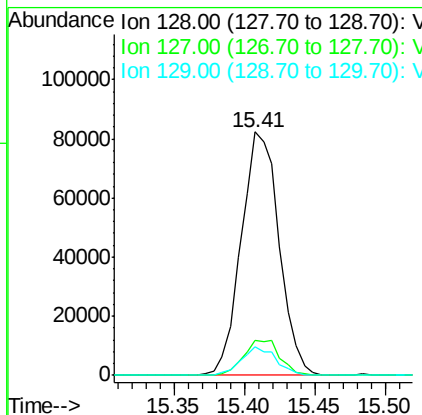
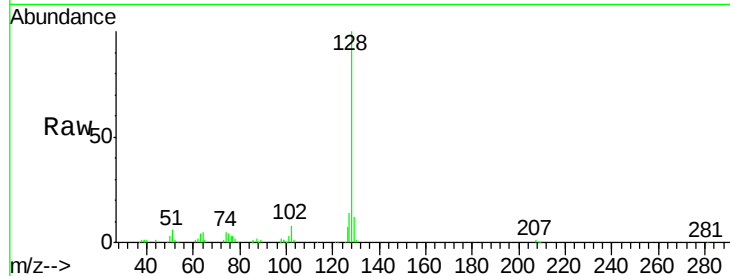
ClientSampleId :

VD1013SBS01

Tot Ion:	128	Resp:	155149
Ion Ratio	Lower	Upper	
128	100		
127	13.9	10.4	15.6
129	10.8	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/14/2020 2:10:19 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.617 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD067251.D

Acq: 13 Oct 2020 14:47

Tgt Ion:	180	Resp:	82426
Ion Ratio	Lower	Upper	
180	100		
182	100.7	48.1	144.3
145	34.8	17.3	51.9

