

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102620\
 Data File : VD067386.D
 Acq On : 26 Oct 2020 12:22
 Operator : VA/SY
 Sample : VD1026SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 11:45:47 AM

Quant Time: Oct 27 01:09:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	310362	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	461069	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	434276	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	220893	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	151161	48.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.22%	
35) Dibromofluoromethane	7.92	113	156645	51.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.10%	
50) Toluene-d8	10.34	98	567512	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	
62) 4-Bromofluorobenzene	12.64	95	199751	51.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.46%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	53390	18.693	ug/l	95
3) Chloromethane	2.21	50	37672	19.287	ug/l	100
4) Vinyl Chloride	2.35	62	40078	18.701	ug/l	96
5) Bromomethane	2.77	94	31770	19.888	ug/l	96
6) Chloroethane	2.93	64	25431	19.054	ug/l	92
7) Trichlorofluoromethane	3.27	101	111527	20.666	ug/l	85
8) Diethyl Ether	3.71	74	23903	19.356	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58824	20.516	ug/l	98
10) Methyl Iodide	4.30	142	51221	19.366	ug/l	98
11) Tert butyl alcohol	5.23	59	14819	56.349	ug/l #	93
12) 1,1-Dichloroethene	4.07	96	52187	20.374	ug/l	96
13) Acrolein	3.92	56	8420	63.047	ug/l	100
14) Allyl chloride	4.72	41	55435	18.898	ug/l	96
15) Acrylonitrile	5.43	53	40836	99.105	ug/l	99
16) Acetone	4.16	43	41087	94.352	ug/l	91
17) Carbon Disulfide	4.41	76	137529	18.834	ug/l #	95
18) Methyl Acetate	4.72	43	18627	18.754	ug/l #	73
19) Methyl tert-butyl Ether	5.47	73	96635	18.973	ug/l	98
20) Methylene Chloride	4.97	84	59560	18.527	ug/l	93
21) trans-1,2-Dichloroethene	5.48	96	59525	20.194	ug/l	95
22) Diisopropyl ether	6.37	45	109990	20.526	ug/l	93
23) Vinyl Acetate	6.31	43	295932	97.072	ug/l	96
24) 1,1-Dichloroethane	6.27	63	95192	20.753	ug/l	97
25) 2-Butanone	7.21	43	47177	95.041	ug/l	97
26) 2,2-Dichloropropane	7.21	77	98287	20.789	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	65060	20.139	ug/l	99
28) Bromochloromethane	7.56	49	27890	17.826	ug/l	94
29) Tetrahydrofuran	7.57	42	25676	93.052	ug/l #	90
30) Chloroform	7.71	83	111283	20.309	ug/l	99
31) Cyclohexane	7.99	56	69553	19.421	ug/l #	87
32) 1,1,1-Trichloroethane	7.91	97	113215	21.058	ug/l	99
36) 1,1-Dichloropropene	8.12	75	78214	20.014	ug/l	98
37) Ethyl Acetate	7.30	43	22454	19.529	ug/l #	93
38) Carbon Tetrachloride	8.10	117	106928	21.409	ug/l	98

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Manual Integrations
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MMDadoda
 10/27/2020 11:45:47 AM

Quant Time: Oct 27 01:09:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	81231	19.883	ug/l	100
40) Benzene	8.36	78	223232	20.822	ug/l	100
41) Methacrylonitrile	7.53	41	11767	18.939	ug/l #	65
42) 1,2-Dichloroethane	8.43	62	65450	19.508	ug/l	98
43) Isopropyl Acetate	8.45	43	43007	18.851	ug/l	95
44) Trichloroethene	9.12	130	70063	20.411	ug/l	93
45) 1,2-Dichloropropane	9.39	63	49543	19.940	ug/l	92
46) Dibromomethane	9.48	93	30707	19.836	ug/l	97
47) Bromodichloromethane	9.67	83	88669	21.379	ug/l	98
48) Methyl methacrylate	9.46	41	21362	19.268	ug/l	99
49) 1,4-Dioxane	9.47	88	5871	372.851	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	108452	95.308	ug/l	99
52) Toluene	10.41	92	153995	21.090	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	72176	19.810	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	86680	20.328	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	43095	20.415	ug/l	94
56) Ethyl methacrylate	10.67	69	42491	19.408	ug/l	98
57) 1,3-Dichloropropane	10.95	76	68917	20.514	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	109883	97.838	ug/l	94
59) 2-Hexanone	10.99	43	72784	93.605	ug/l	99
60) Dibromochloromethane	11.14	129	65056	21.132	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41361	19.874	ug/l	93
64) Tetrachloroethene	10.88	164	63632	20.223	ug/l	98
65) Chlorobenzene	11.67	112	172738	20.743	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	68678	20.750	ug/l	97
67) Ethyl Benzene	11.75	91	295886	20.727	ug/l	99
68) m/p-Xylenes	11.86	106	229847	41.812	ug/l	99
69) o-Xylene	12.18	106	103424	20.317	ug/l	99
70) Styrene	12.20	104	183031	20.887	ug/l	99
71) Bromoform	12.36	173	36334	20.434	ug/l #	99
73) Isopropylbenzene	12.48	105	298475	21.290	ug/l	99
74) N-amyl acetate	12.29	43	40389	19.075	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	42621	19.841	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	25127m	16.412	ug/l	
77) Bromobenzene	12.77	156	73031	20.895	ug/l	99
78) n-propylbenzene	12.83	91	339182	20.882	ug/l	100
79) 2-Chlorotoluene	12.91	91	195145	20.717	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	260075	21.348	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13298	19.697	ug/l	99
82) 4-Chlorotoluene	13.01	91	208793	20.884	ug/l	99
83) tert-Butylbenzene	13.23	119	216698	21.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	254832	21.164	ug/l	98
85) sec-Butylbenzene	13.41	105	292741	20.731	ug/l	100
86) p-Isopropyltoluene	13.52	119	278467	20.893	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	142666	21.207	ug/l	96
88) 1,4-Dichlorobenzene	13.60	146	139333	20.905	ug/l	98
89) n-Butylbenzene	13.85	91	240390	20.502	ug/l	100
90) Hexachloroethane	14.11	117	48780	20.973	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	121112	20.608	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7407	18.980	ug/l	94

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VD1026SBS01

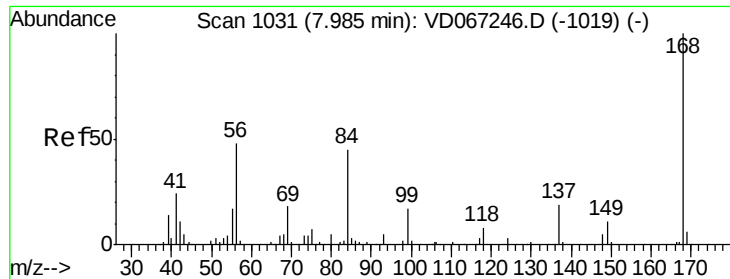
Manual Integrations
APPROVED

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10/27/2020 11:45:47 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	82941	20.932	ug/l	99
94) Hexachlorobutadiene	15.27	225	50785	20.639	ug/l	97
95) Naphthalene	15.41	128	126471	19.440	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	72836	21.277	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion:168 Resp: 310362

Ion Ratio Lower Upper

168 100

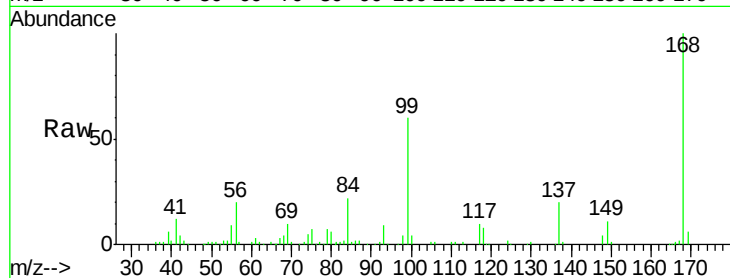
99 59.4 45.9 68.9

Manual Integrations

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10/27/2020 11:45:47 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

150000

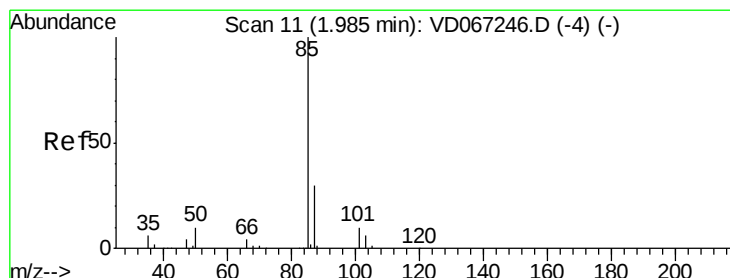
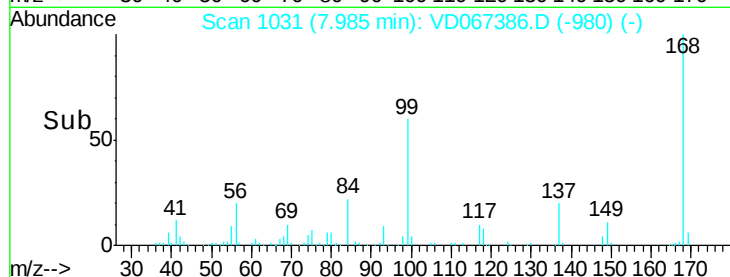
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 18.693 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067386.D

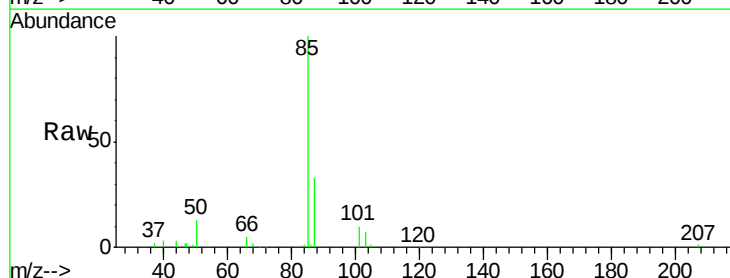
Acq: 26 Oct 2020 12:22

Tgt Ion: 85 Resp: 53390

Ion Ratio Lower Upper

85 100

87 33.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

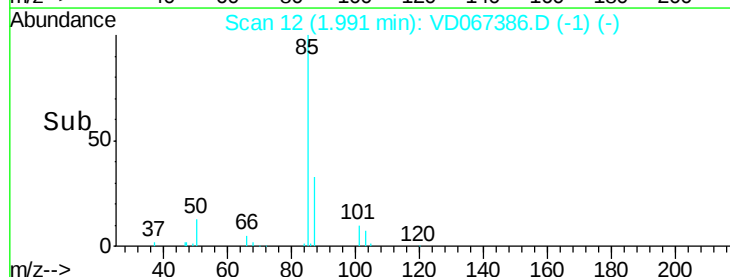
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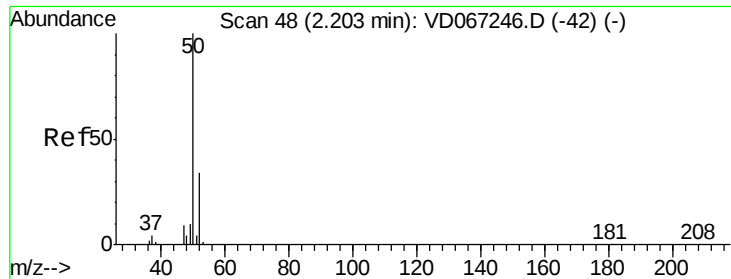
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 19.287 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 50 Resp: 37672

Ion Ratio Lower Upper

50 100

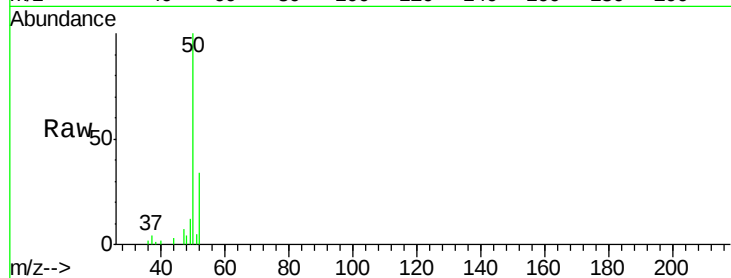
52 34.1 27.1 40.7

Manual Integrations

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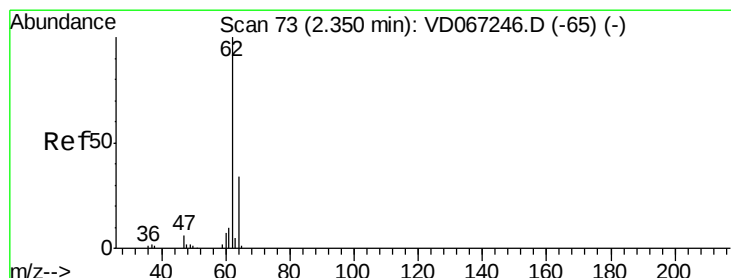
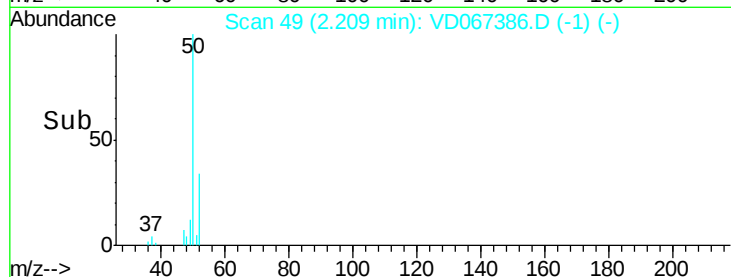
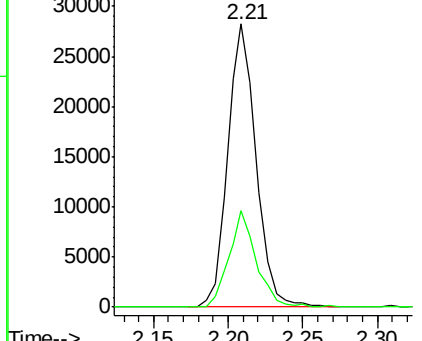
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 18.701 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067386.D

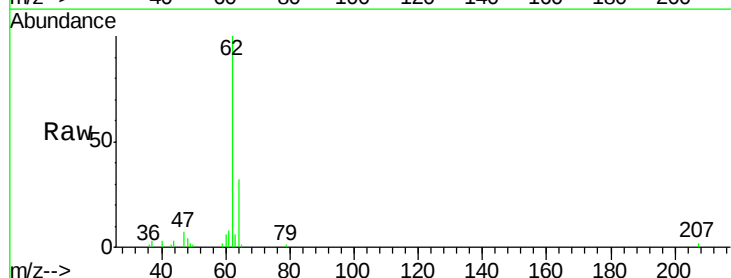
Acq: 26 Oct 2020 12:22

Tgt Ion: 62 Resp: 40078

Ion Ratio Lower Upper

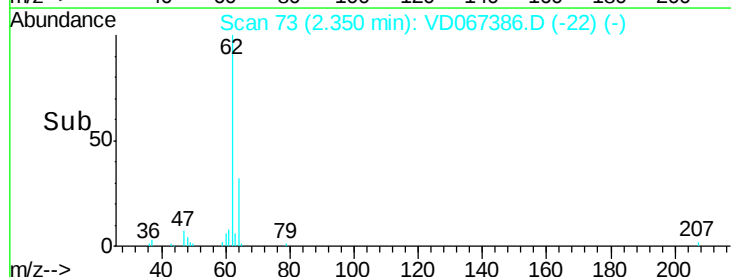
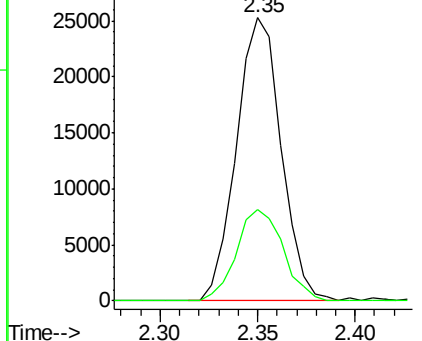
62 100

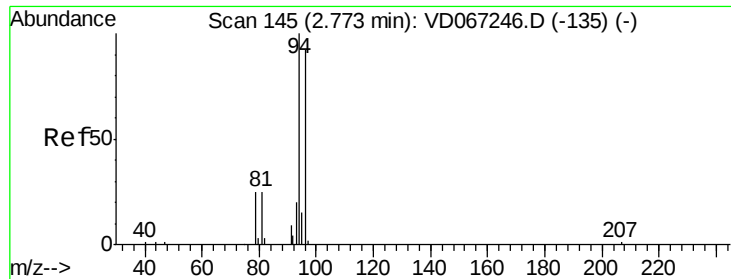
64 32.1 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 19.888 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 94 Resp: 31770

Ion Ratio Lower Upper

94 100

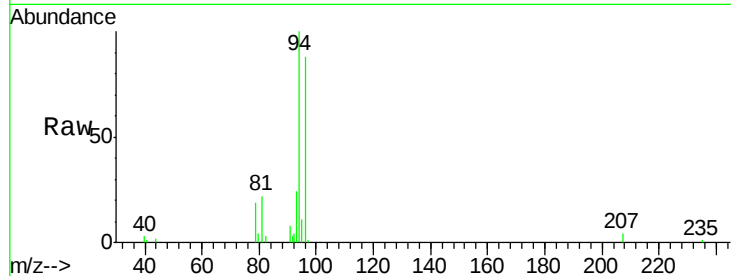
96 88.5 73.8 110.6

Manual Integrations

APPROVED

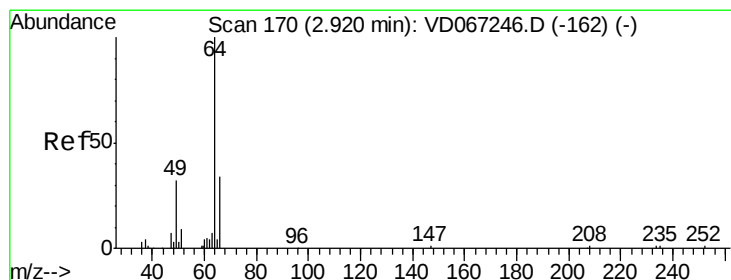
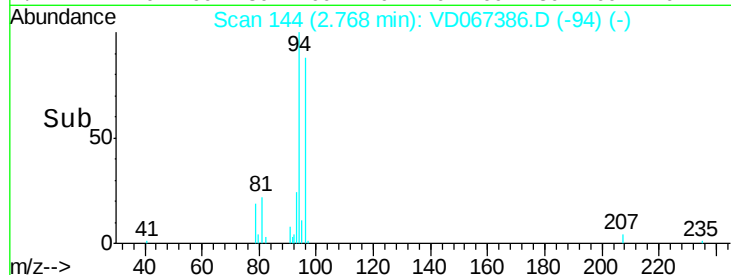
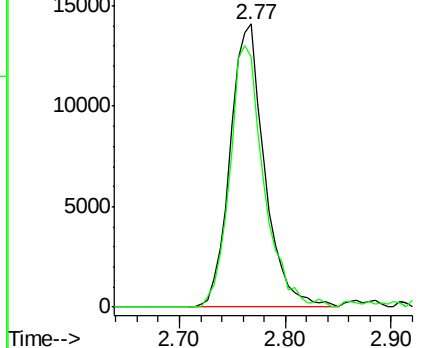
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.054 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067386.D

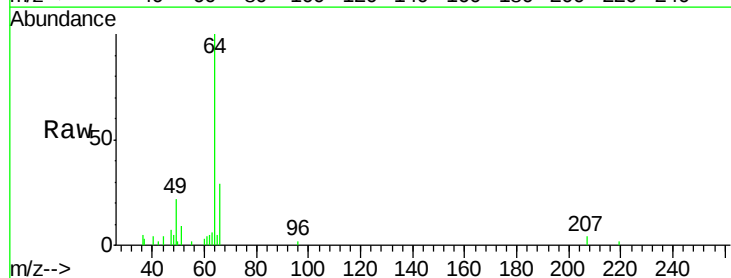
Acq: 26 Oct 2020 12:22

Tgt Ion: 64 Resp: 25431

Ion Ratio Lower Upper

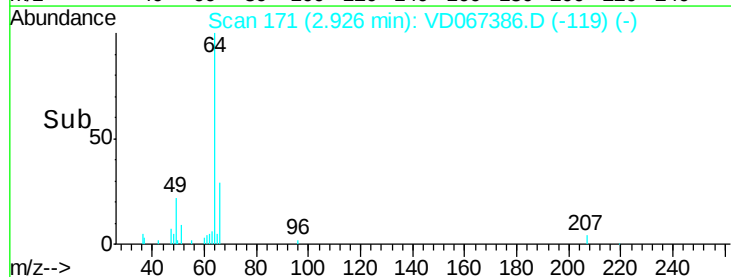
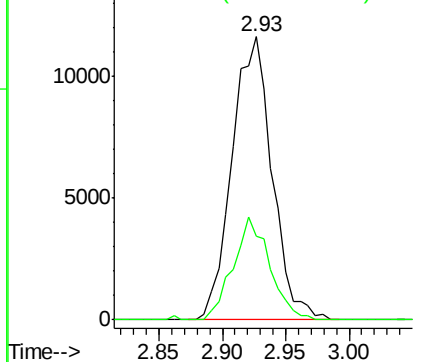
64 100

66 29.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

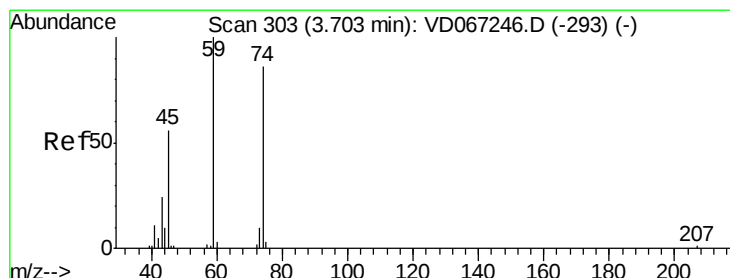
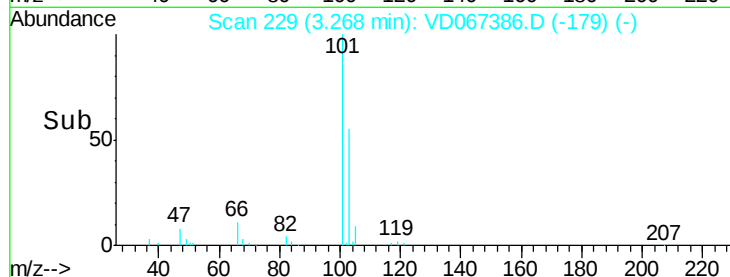
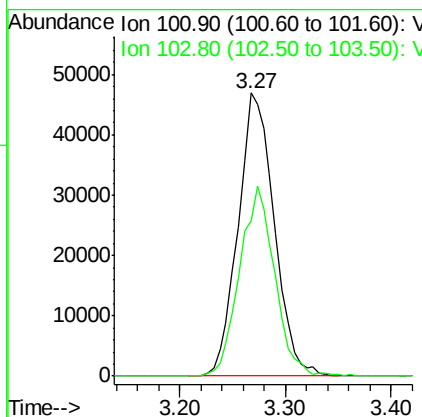
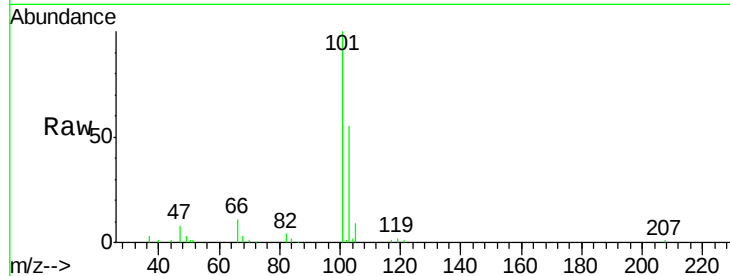
Trichlorofluoromethane
 Concen: 20.666 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	54.8	53.1	79.7

Manual Integrations
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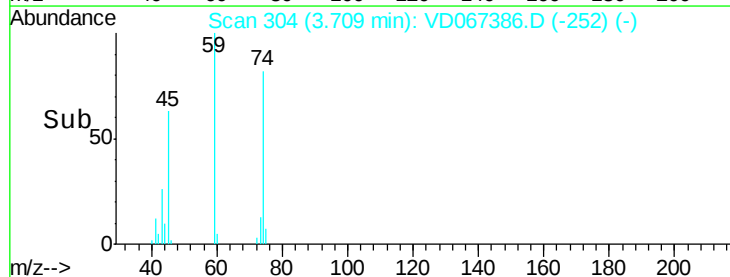
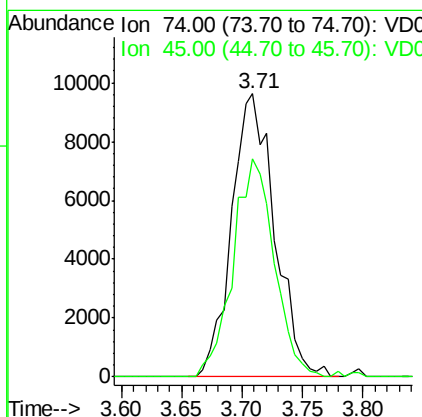
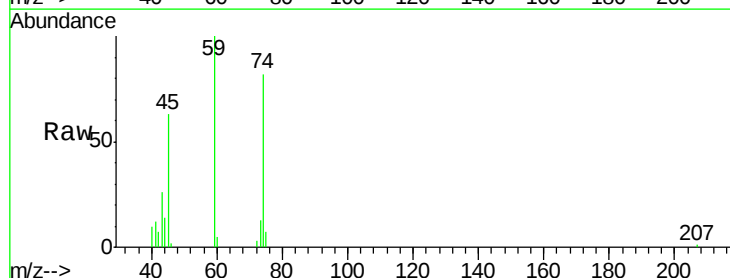
MMDadoda
 10/27/2020 11:45:47 AM

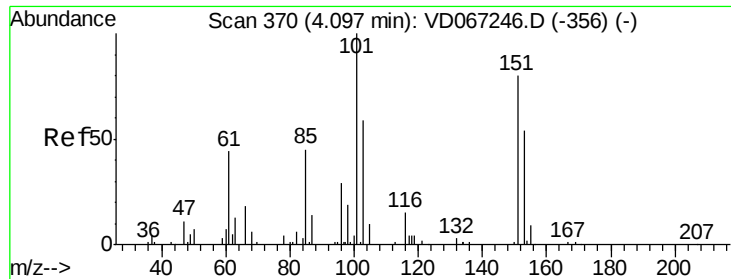


#8

Diethyl Ether
 Concen: 19.356 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.7	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.516 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

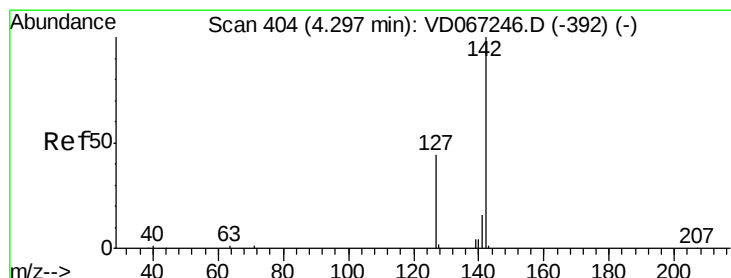
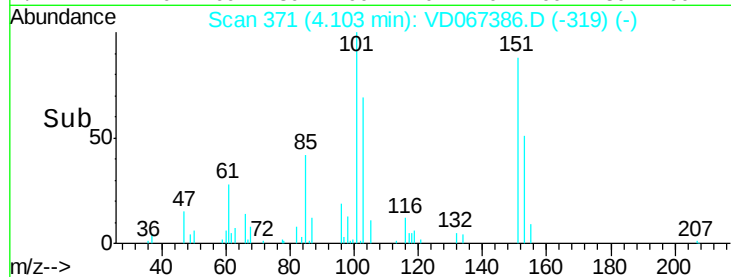
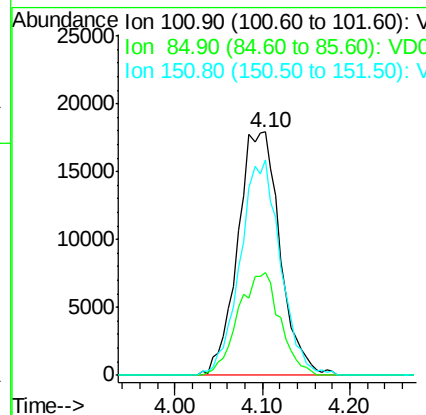
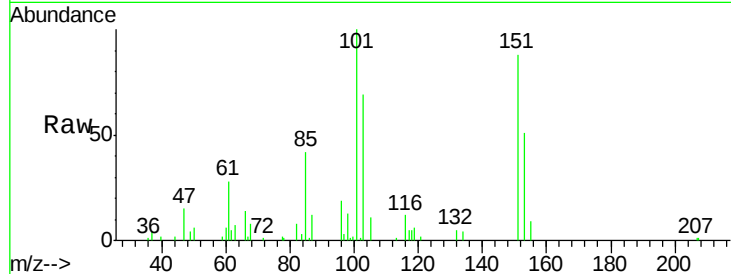
ClientSampleId :

VD1026SBS01

Tot Ion:	101	Resp:	58824
Ion Ratio	Lower	Upper	
101	100		
85	41.9	34.2	51.4
151	84.4	66.3	99.5

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#10

Methyl Iodide

Concen: 19.366 ug/l

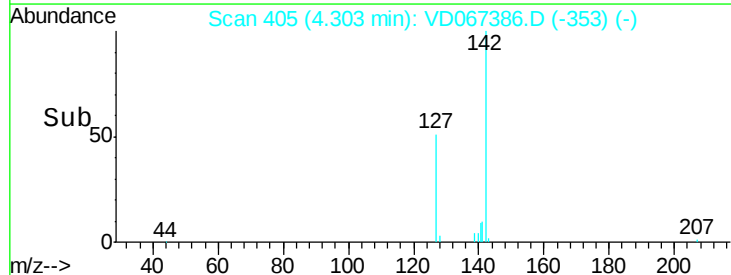
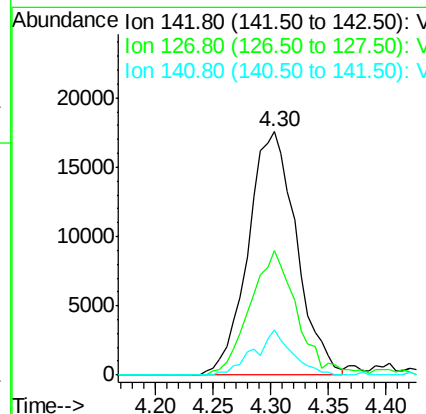
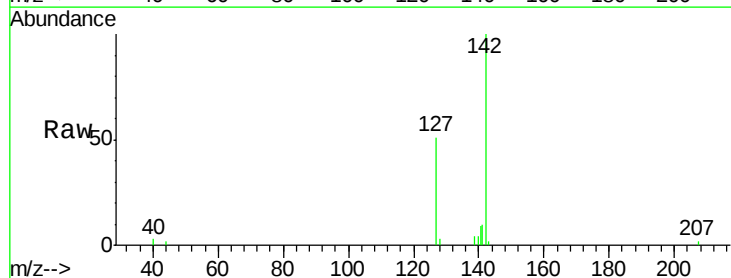
RT: 4.30 min Scan# 405

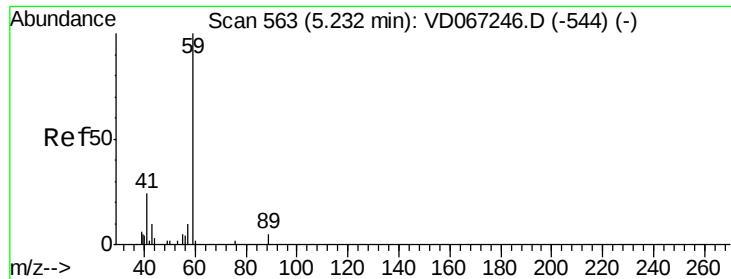
Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Tgt Ion:	142	Resp:	51221
Ion Ratio	Lower	Upper	
142	100		
127	49.7	38.4	57.6
141	14.4	11.6	17.4





#11

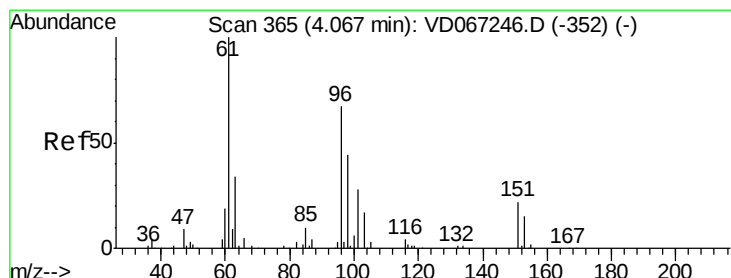
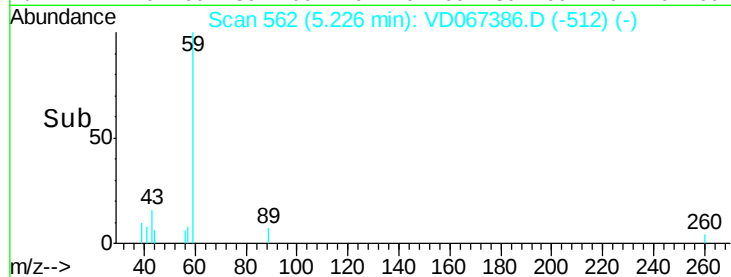
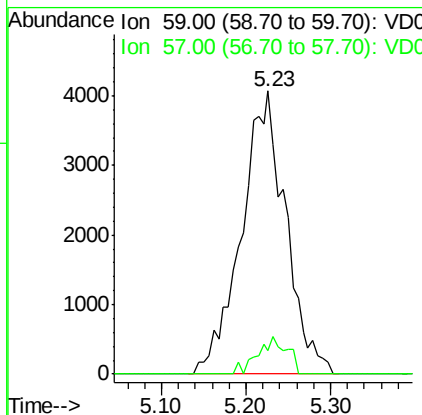
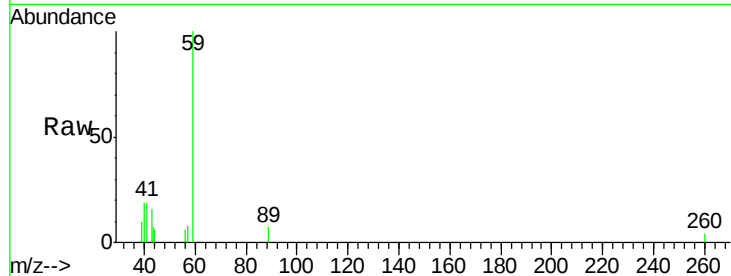
Tert butyl alcohol
Concen: 56.349 ug/l
RT: 5.23 min Scan# 562
Delta R.T. -0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 59 Resp: 14819
Ion Ratio Lower Upper
59 100
57 8.8 5.1 7.7#

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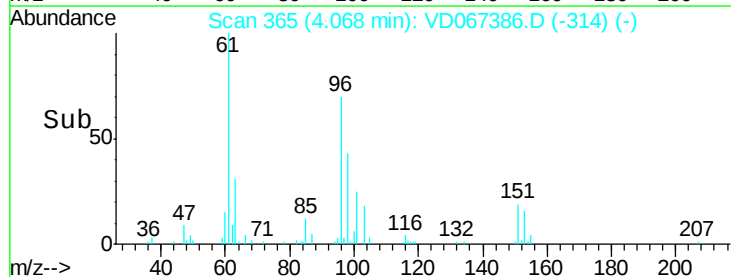
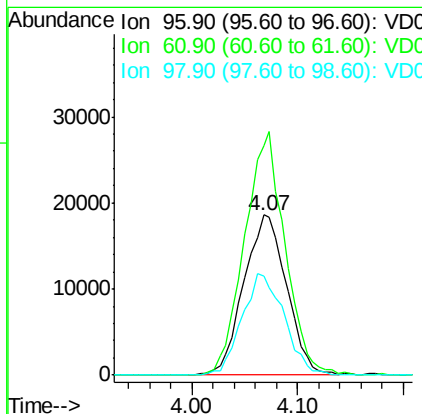
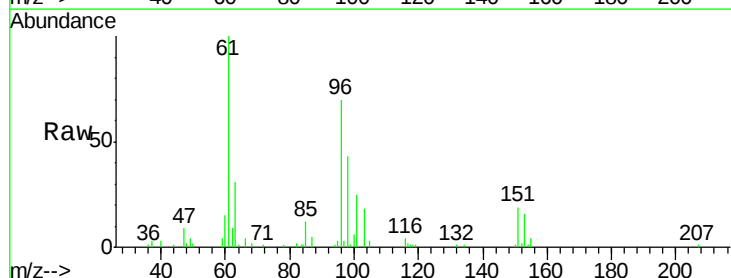
MMDadoda
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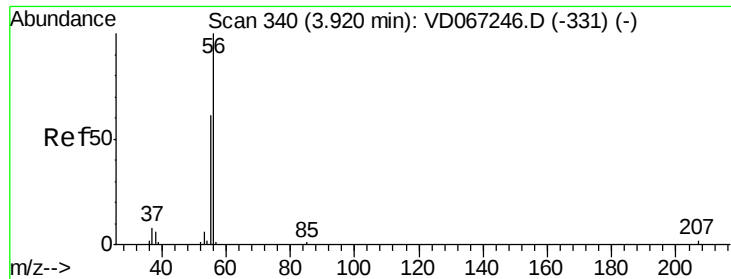


#12

1,1-Dichloroethene
Concen: 20.374 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion: 96 Resp: 52187
Ion Ratio Lower Upper
96 100
61 143.1 118.6 177.8
98 62.0 51.8 77.6





#13

Acrolein

Concen: 63.047 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 56 Resp: 8420

Ion Ratio Lower Upper

56 100

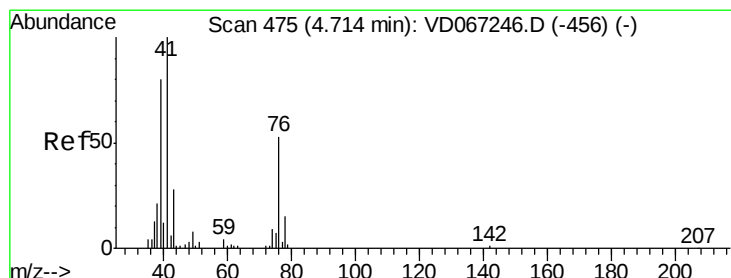
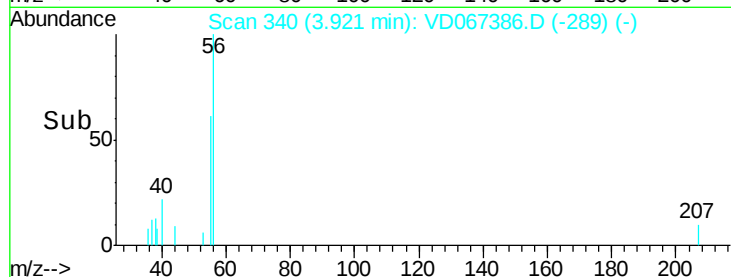
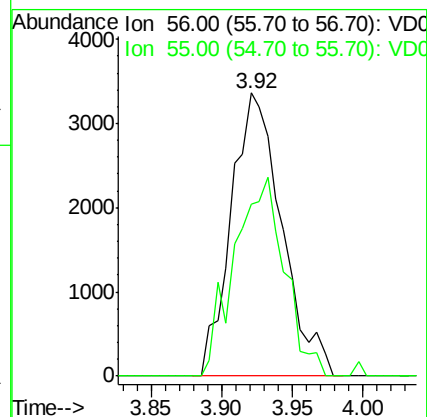
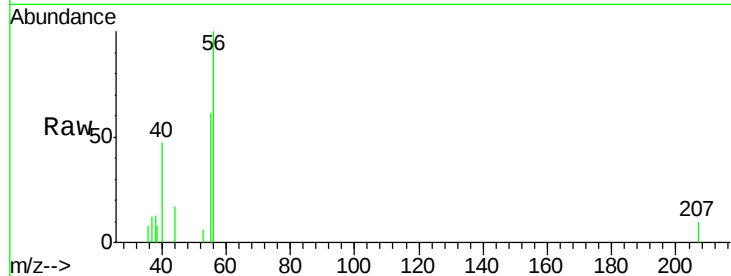
55 69.8 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.898 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

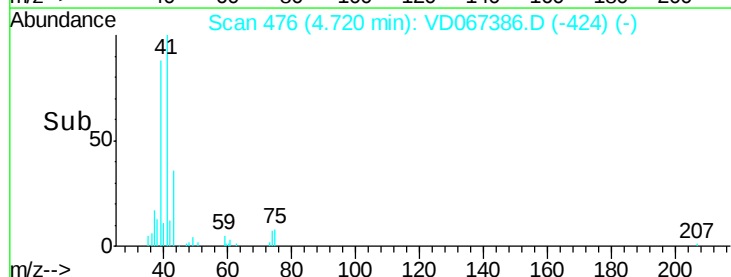
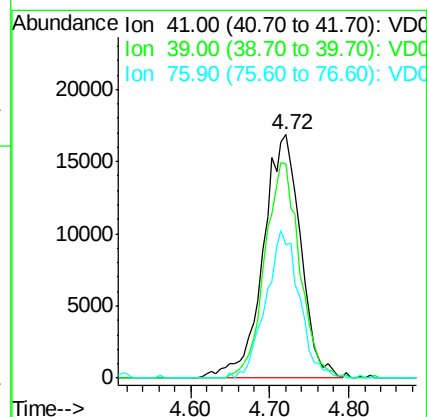
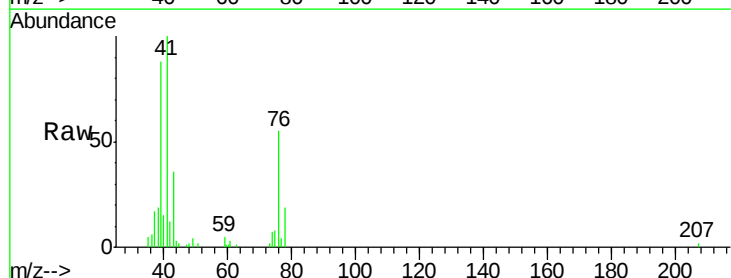
Tgt Ion: 41 Resp: 55435

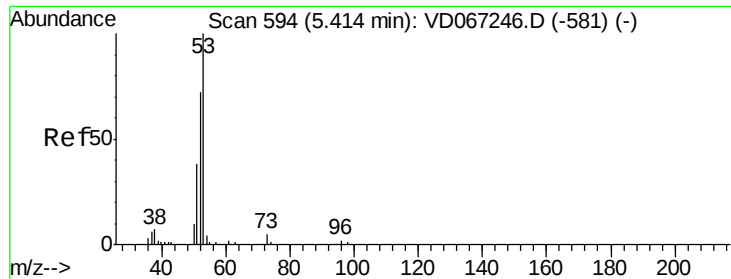
Ion Ratio Lower Upper

41 100

39 82.2 63.8 95.6

76 54.3 40.4 60.6





#15

Acrylonitrile

Concen: 99.105 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

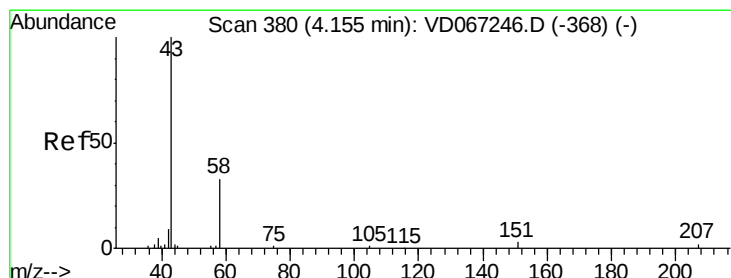
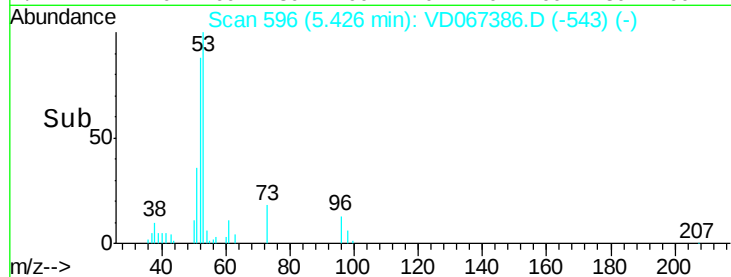
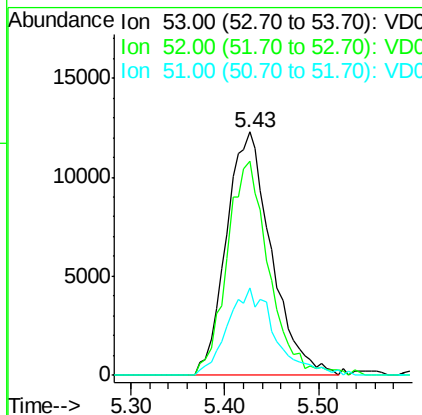
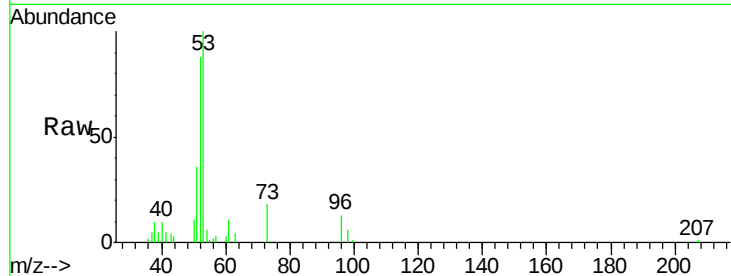
ClientSampleId :

VD1026SBS01

Tot Ion:	53	Resp:	40836
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.6	98.4
51	37.7	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 94.352 ug/l

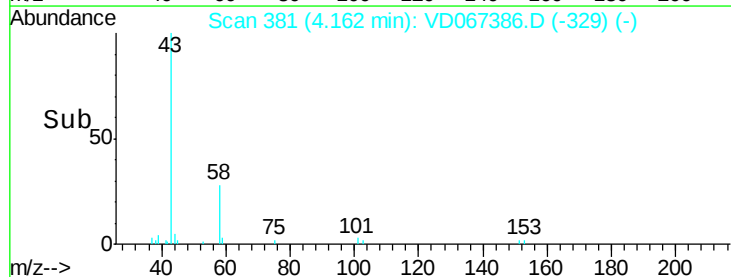
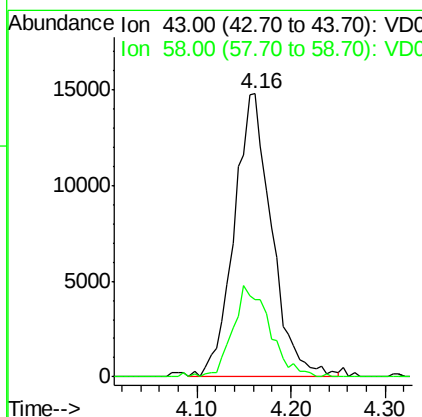
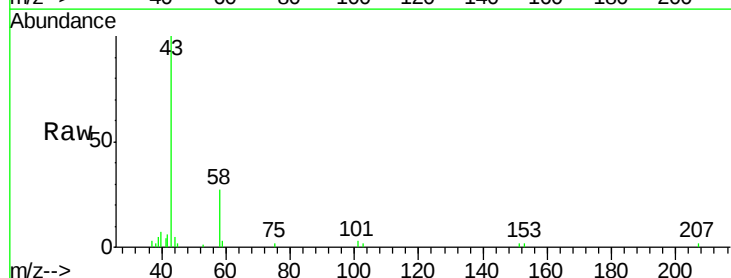
RT: 4.16 min Scan# 381

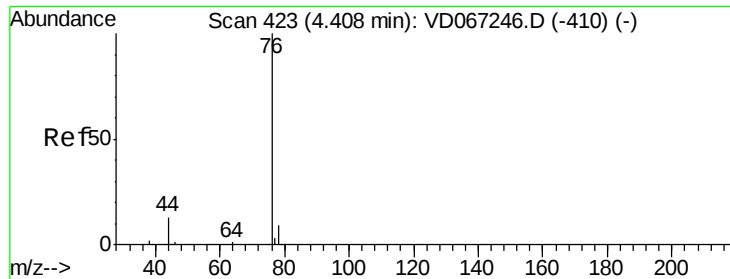
Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Tgt Ion:	43	Resp:	41087
Ion	Ratio	Lower	Upper
43	100		
58	27.3	26.1	39.1





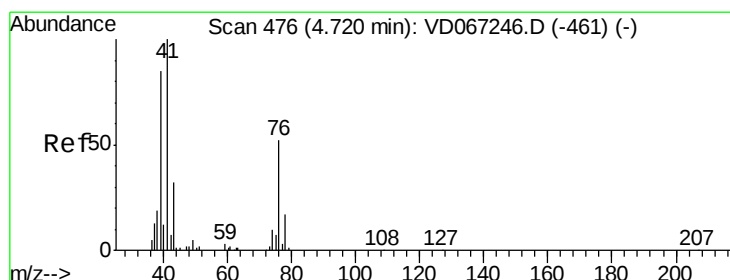
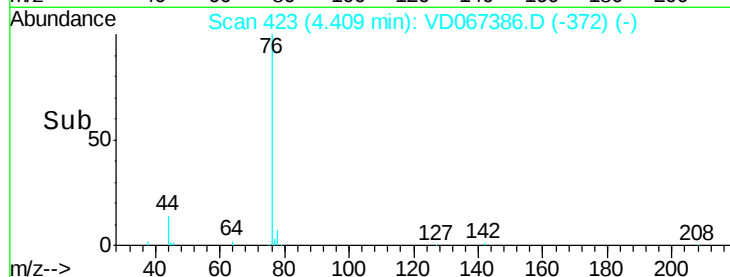
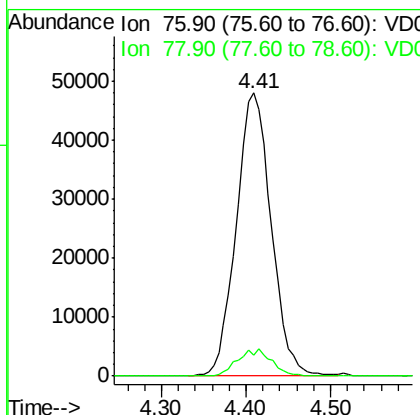
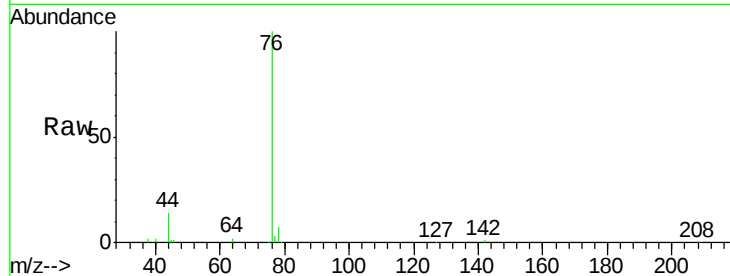
#17
Carbon Disulfide
Concen: 18.834 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 76 Resp: 137529
Ion Ratio Lower Upper
76 100
78 7.3 7.4 11.0#

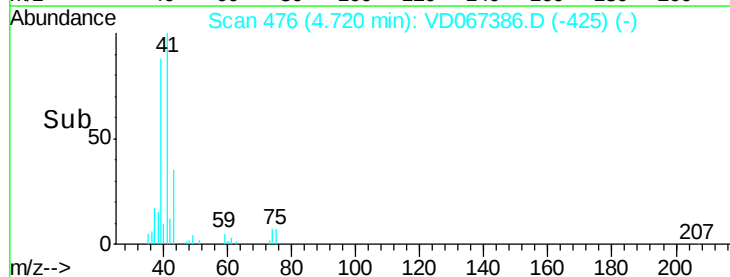
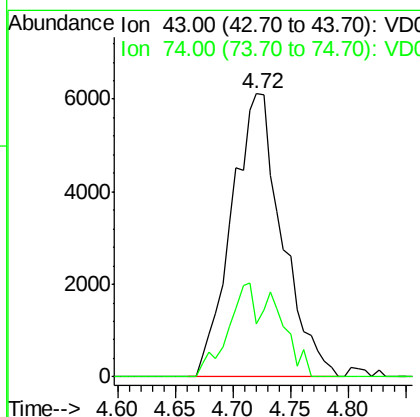
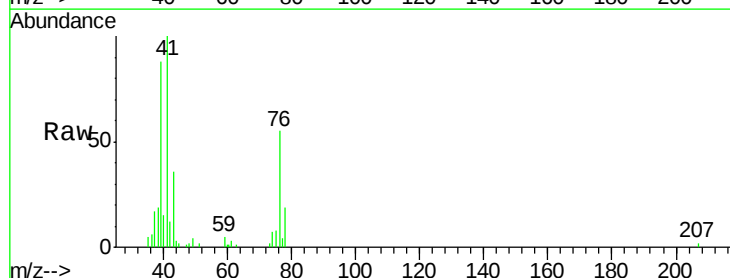
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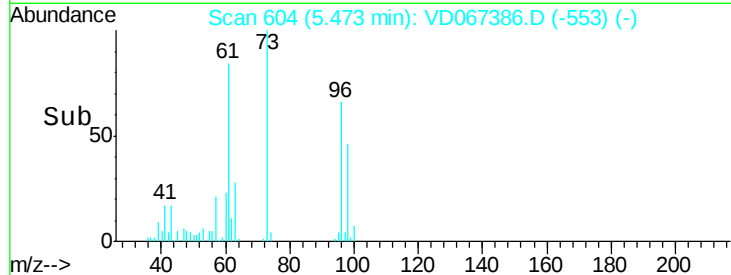
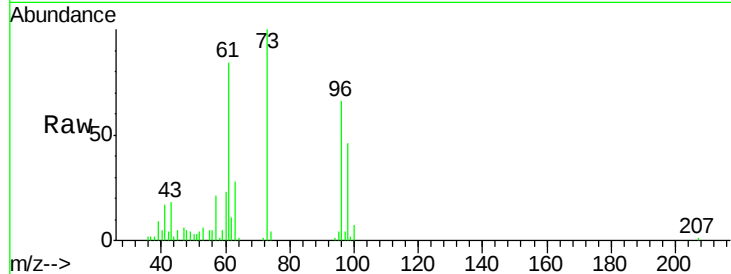
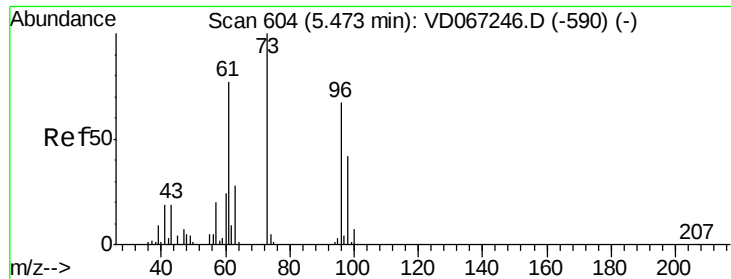
MMDadoda
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#18
Methyl Acetate
Concen: 18.754 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion: 43 Resp: 18627
Ion Ratio Lower Upper
43 100
74 18.1 26.6 39.8#





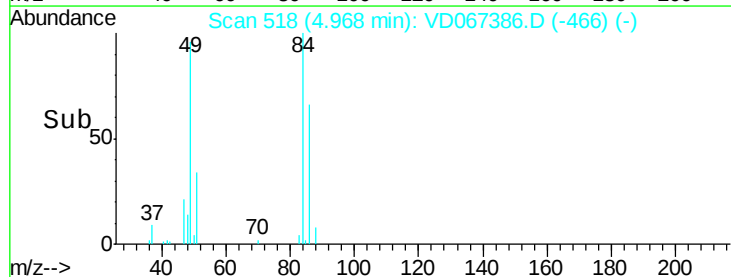
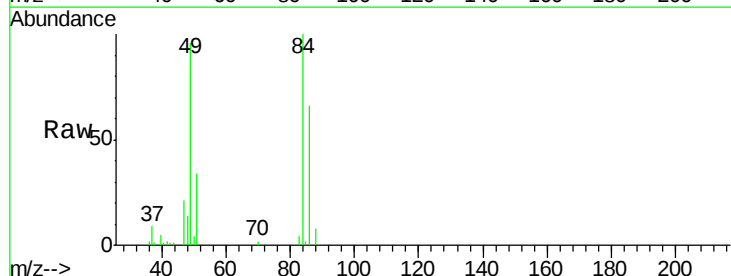
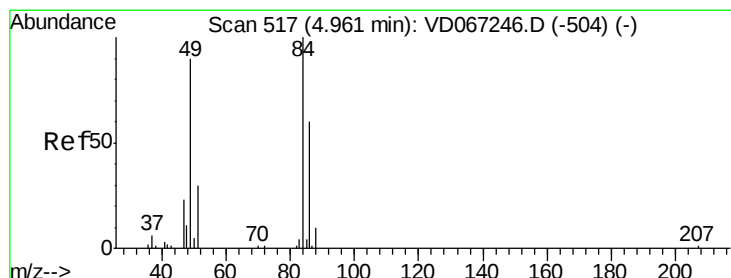
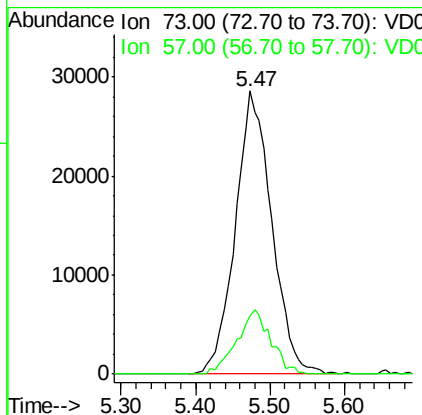
#19
Methvl tert-butvl Ether
Concen: 18.973 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tot Ion: 73 Resp: 96635
Ion Ratio Lower Upper
73 100
57 20.7 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

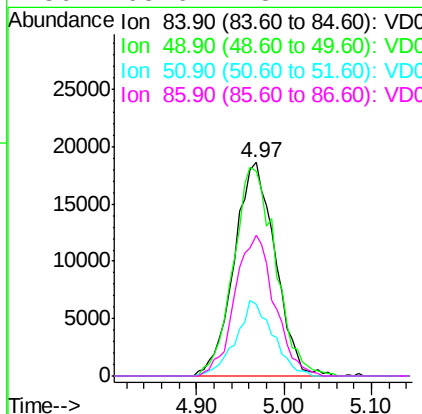
Manual Integrations
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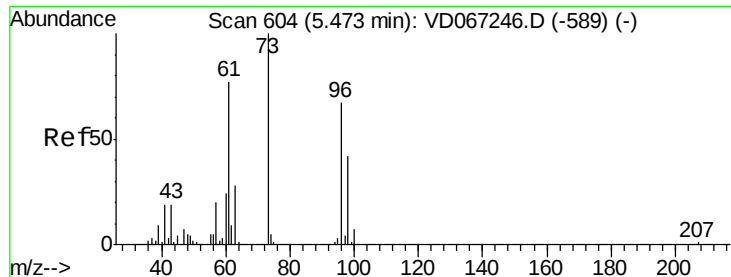
MMDadoda
10/27/2020 11:45:47 AM



#20
Methylene Chloride
Concen: 18.527 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion: 84 Resp: 59560
Ion Ratio Lower Upper
84 100
49 96.0 72.2 108.2
51 33.9 23.8 35.8
86 65.6 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.194 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

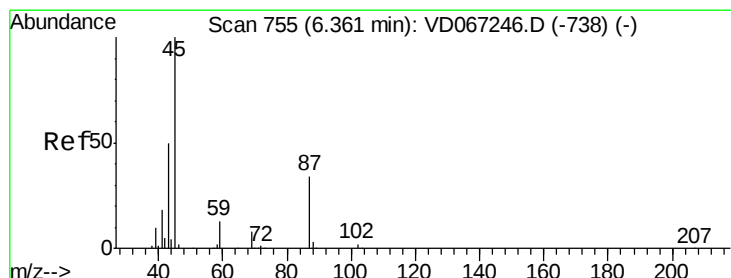
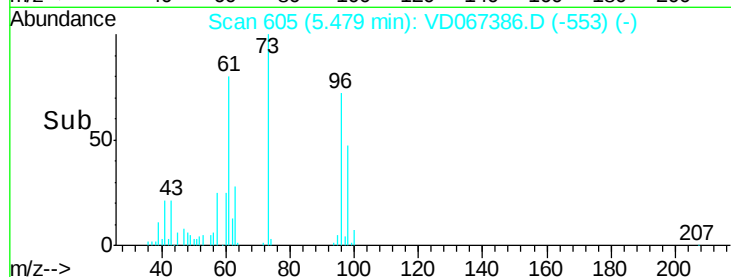
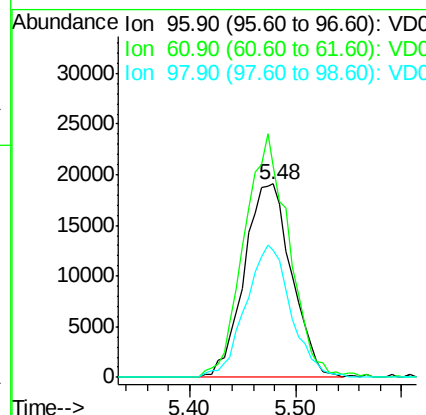
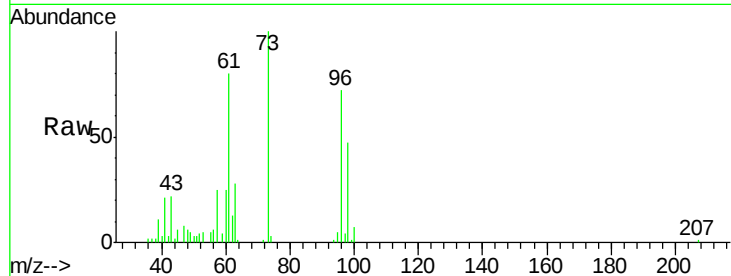
ClientSampleId :

VD1026SBS01

Tot Ion:	96	Resp:	59525
Ion	Ratio	Lower	Upper
96	100		
61	109.9	92.0	138.0
98	65.5	49.8	74.8

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#22

Diisopropyl ether

Concen: 20.526 ug/l

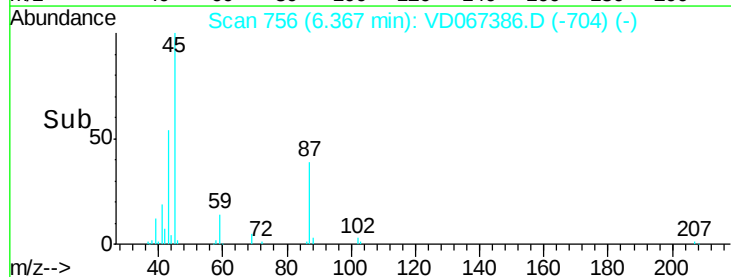
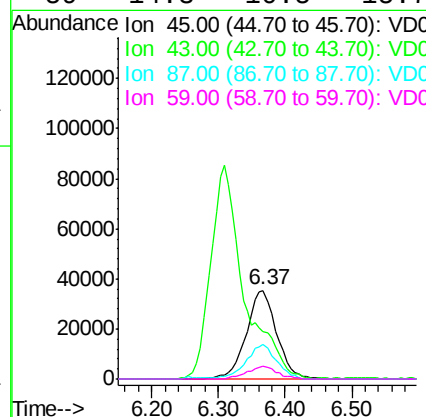
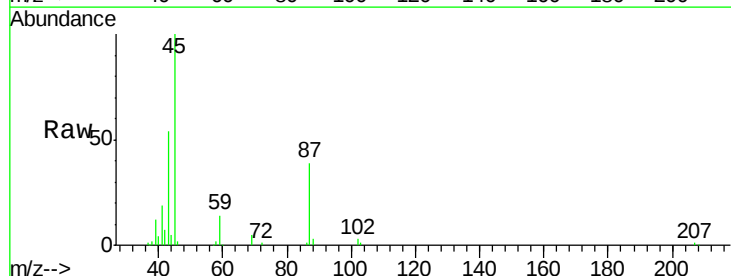
RT: 6.37 min Scan# 756

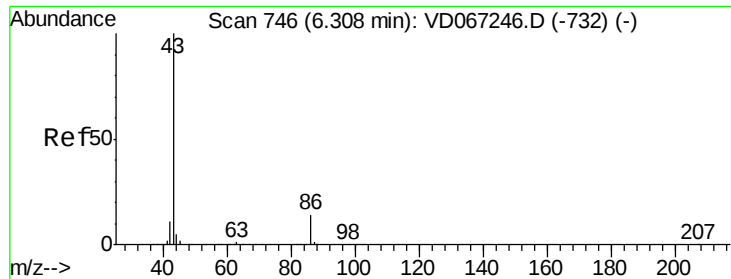
Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Tgt Ion:	45	Resp:	109990
Ion	Ratio	Lower	Upper
45	100		
43	53.3	48.0	72.0
87	38.5	28.5	42.7
59	14.3	10.5	15.7





#23

Vinyl Acetate

Concen: 97.072 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleID :

VD1026SBS01

Tot Ion: 43 Resp: 295932

Ion Ratio Lower Upper

43 100

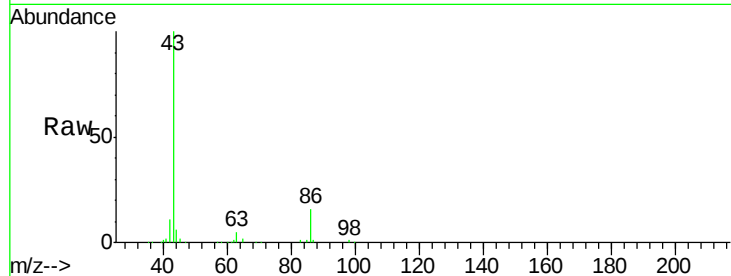
86 15.6 11.0 16.6

Manual Integrations

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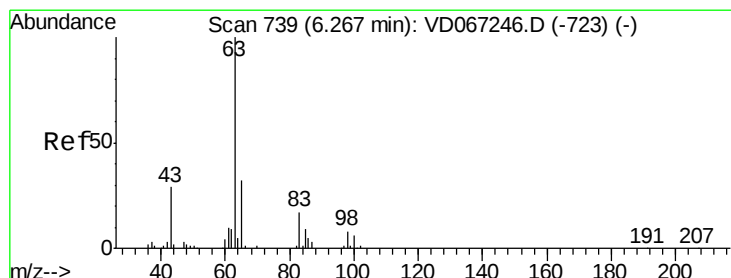
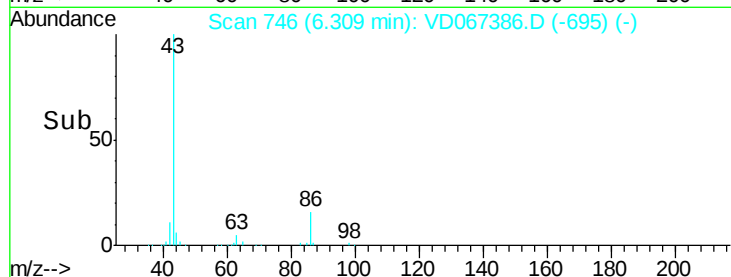
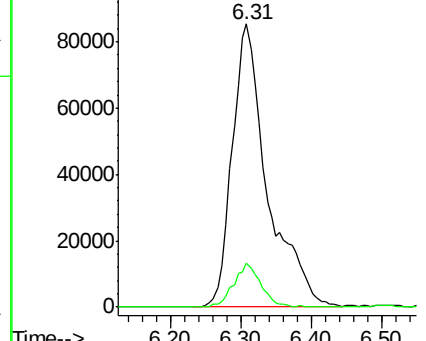
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.753 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

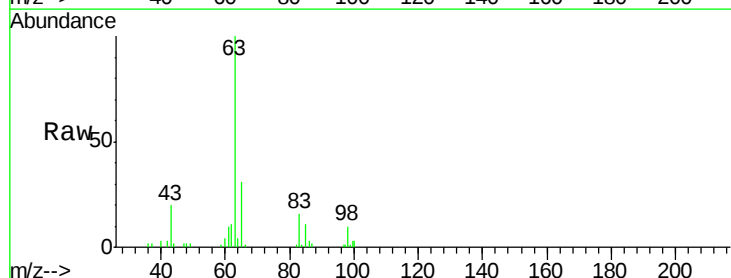
Tgt Ion: 63 Resp: 95192

Ion Ratio Lower Upper

63 100

98 9.6 4.0 12.2

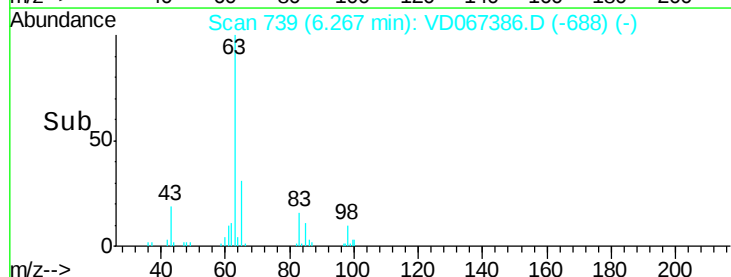
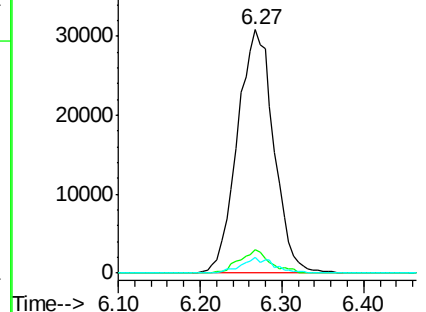
100 6.4 2.8 8.4

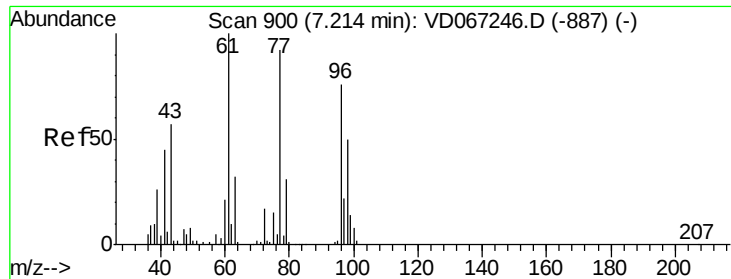


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 95.041 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 43 Resp: 47177

Ion Ratio Lower Upper

43 100

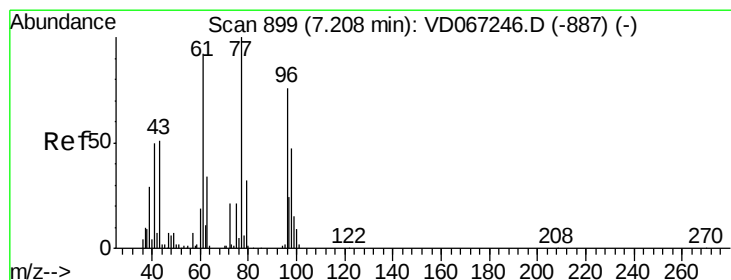
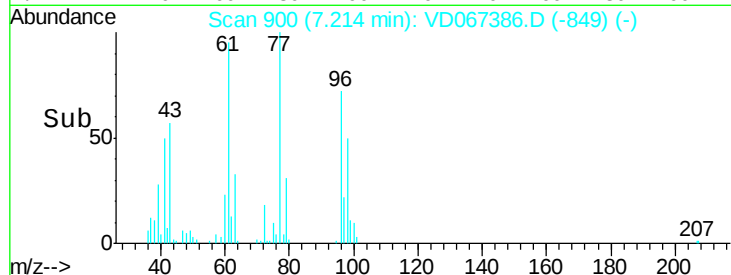
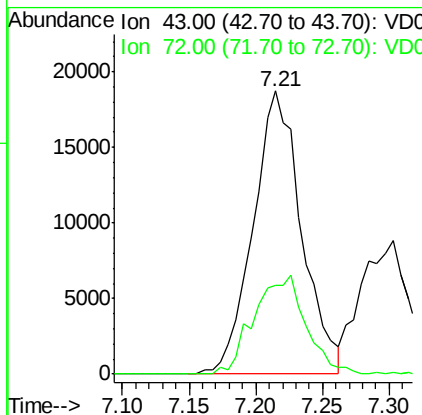
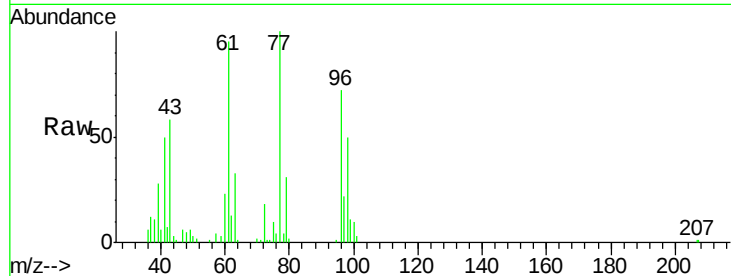
72 31.3 23.7 35.5

Manual Integrations

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MMDadoda

10/27/2020 11:45:47 AM



#26

2,2-Dichloropropane

Concen: 20.789 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067386.D

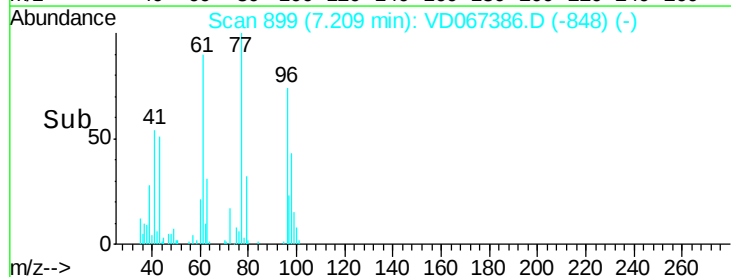
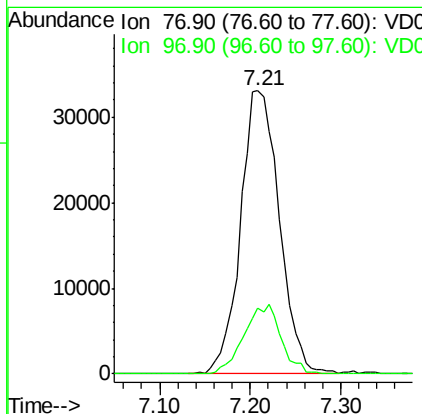
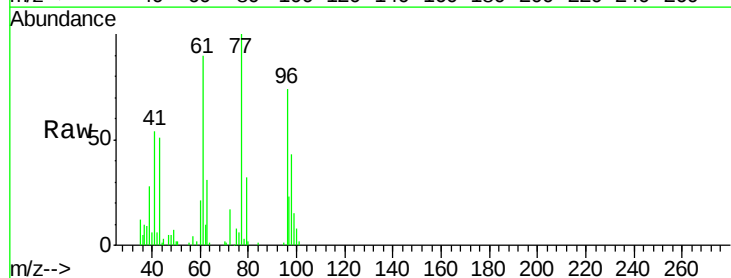
Acq: 26 Oct 2020 12:22

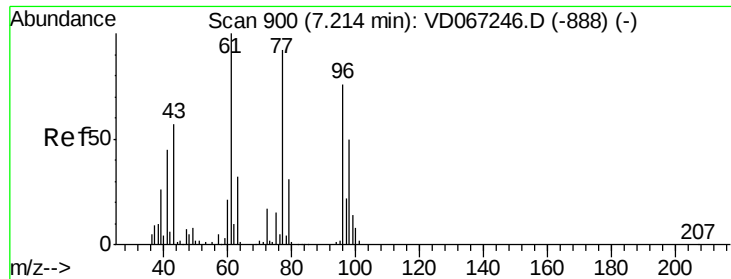
Tgt Ion: 77 Resp: 98287

Ion Ratio Lower Upper

77 100

97 23.5 11.4 34.2





#27

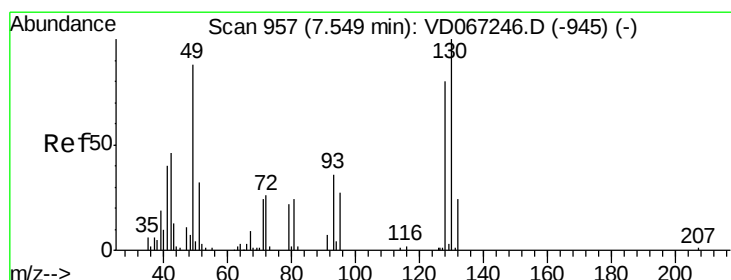
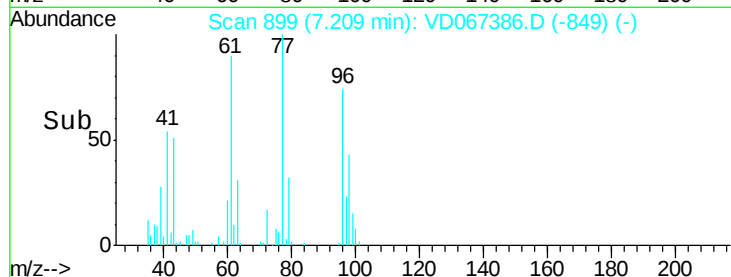
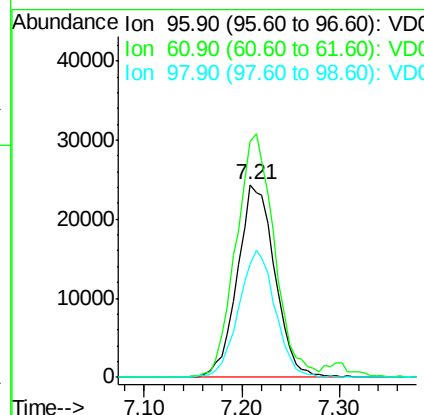
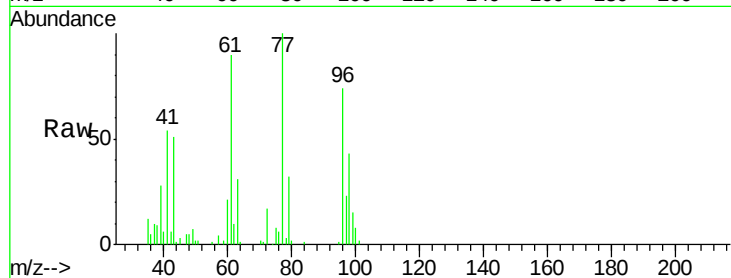
cis-1,2-Dichloroethene
Concen: 20.139 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	129.5	0.0	255.4
98	64.2	0.0	128.0

Manual Integrations
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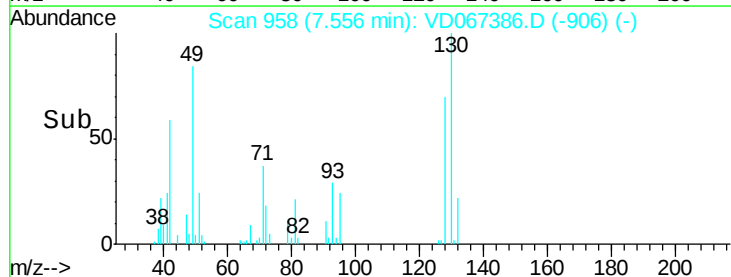
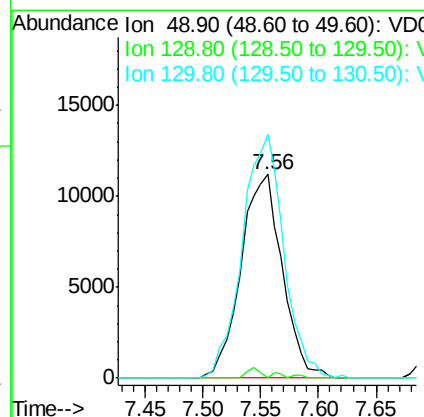
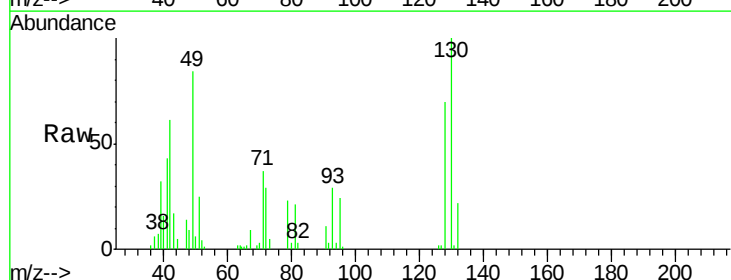
MMDadoda
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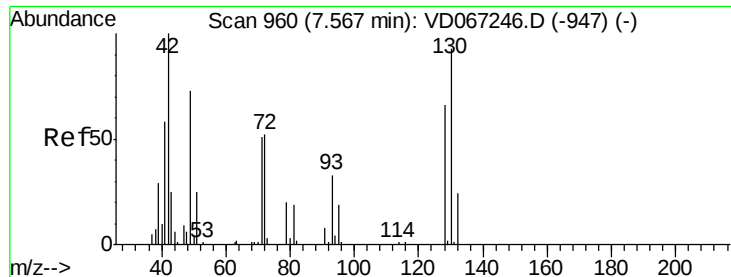


#28

Bromochloromethane
Concen: 17.826 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.7	0.0	1.6
130	120.2	91.0	136.6





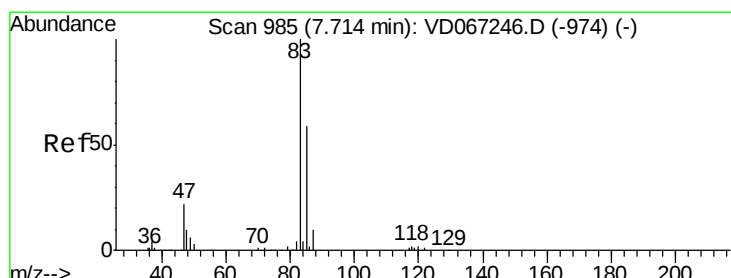
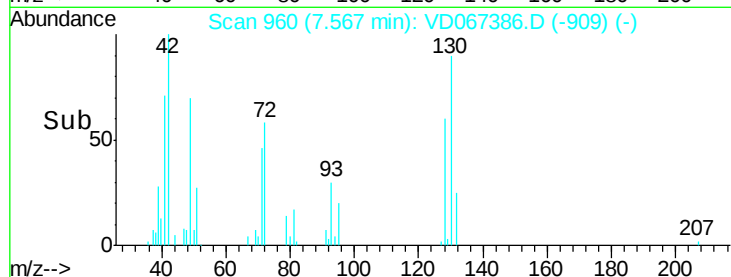
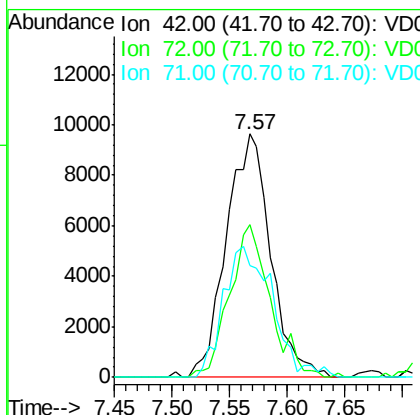
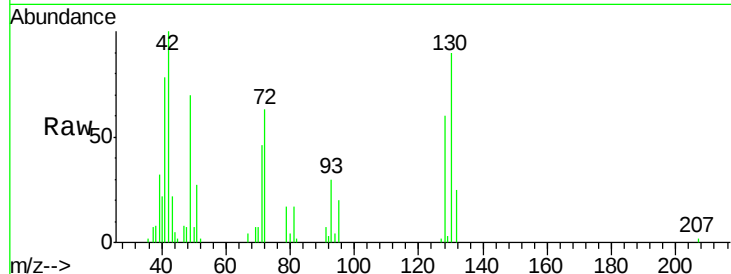
#29
Tetrahydrofuran
Concen: 93.052 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.8	43.2	64.8
71	59.5	39.4	59.0

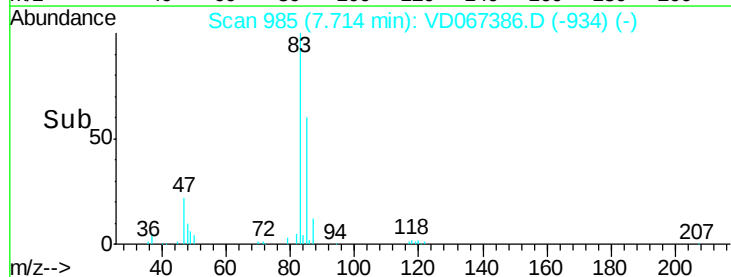
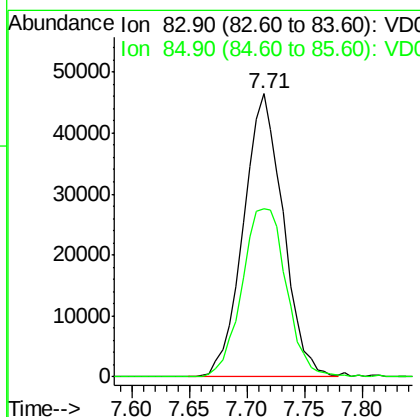
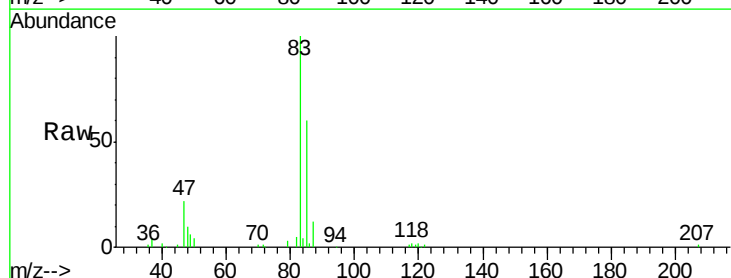
Manual Integrations
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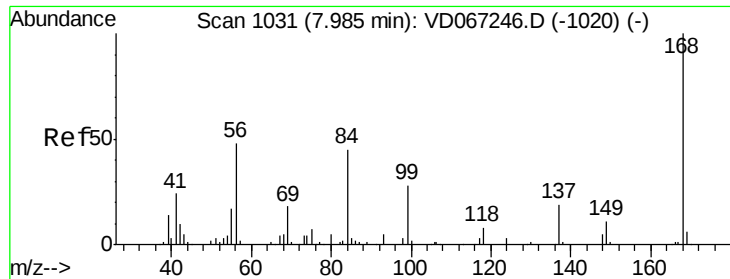
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#30
Chloroform
Concen: 20.309 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	47.3	70.9





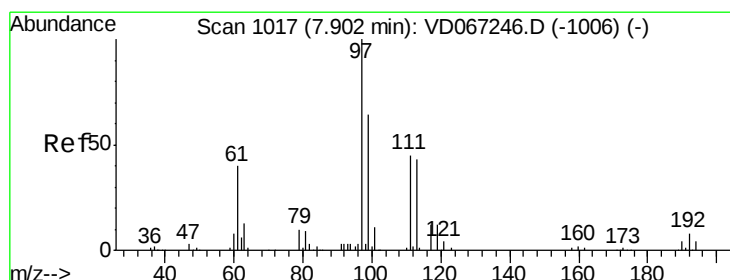
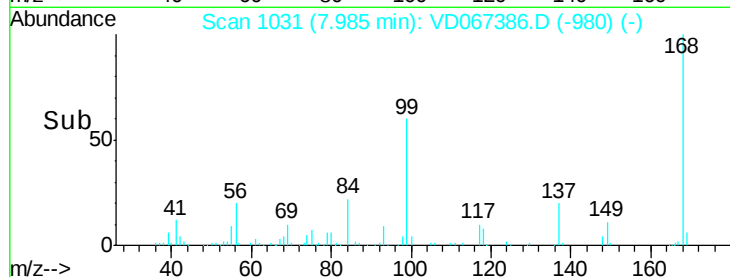
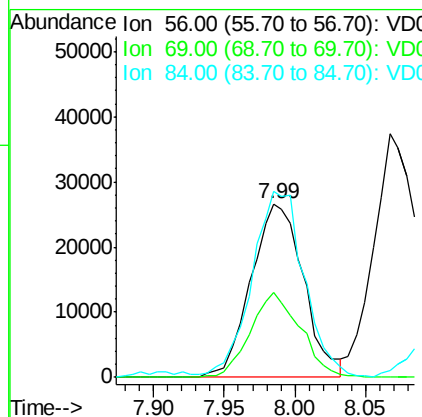
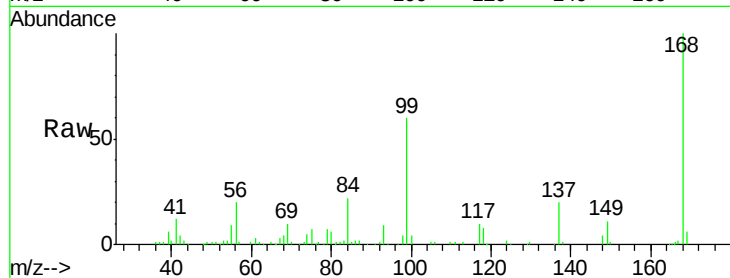
#31
Cyclohexane
Concen: 19.421 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.9	29.8	44.6#
84	105.7	76.6	114.8

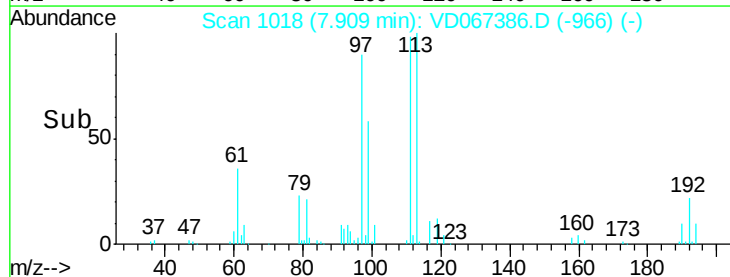
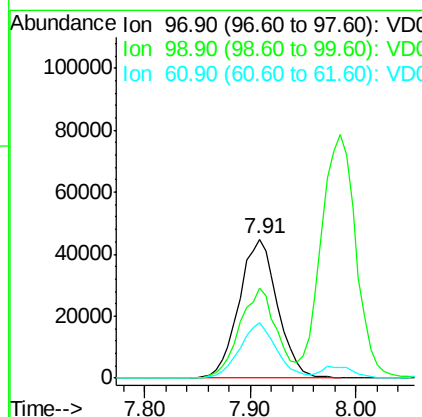
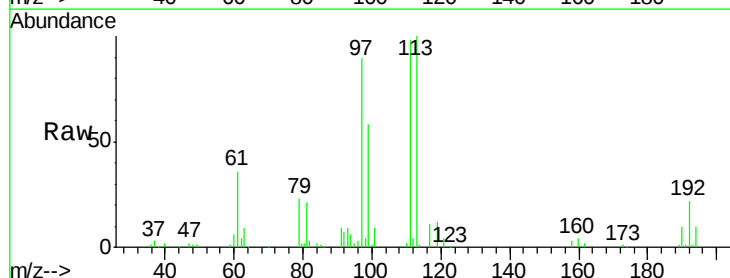
Manual Integrations
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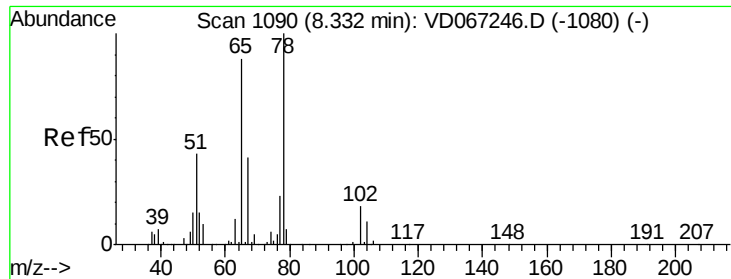
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.058 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.4	50.2	75.4
61	37.7	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 48.615 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 65 Resp: 151161

Ion Ratio Lower Upper

65 100

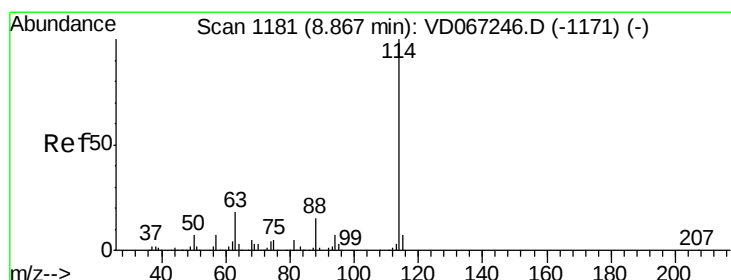
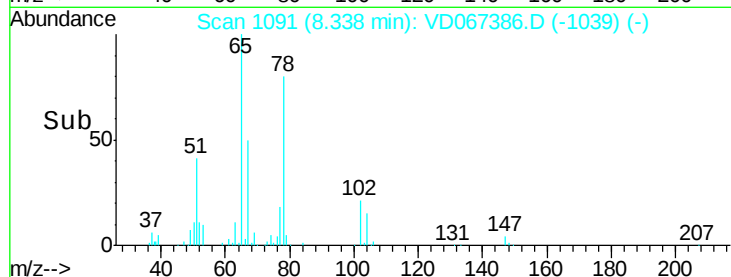
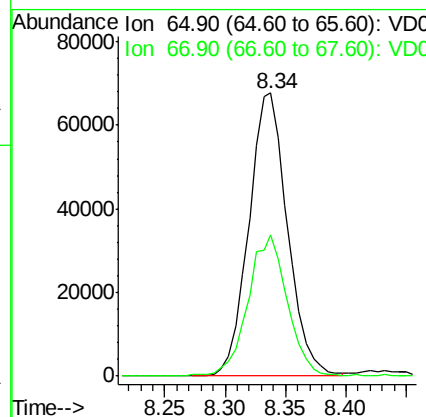
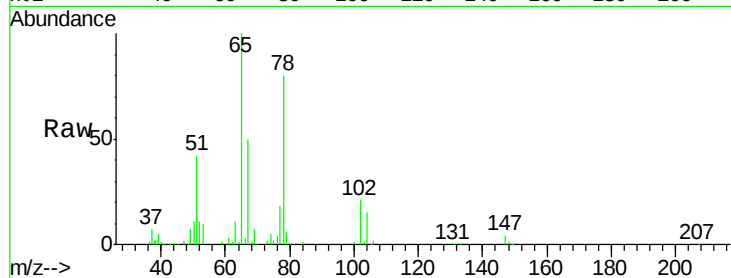
67 50.5 0.0 103.8

Manual Integrations

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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: VD067386.D

Acq: 26 Oct 2020 12:22

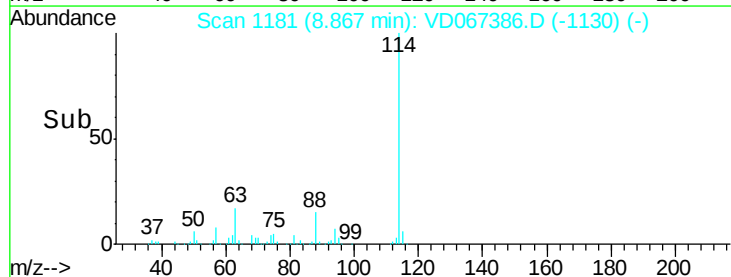
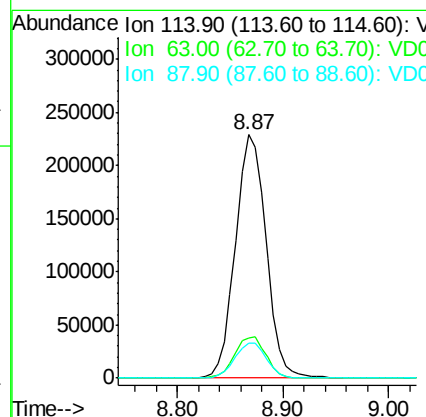
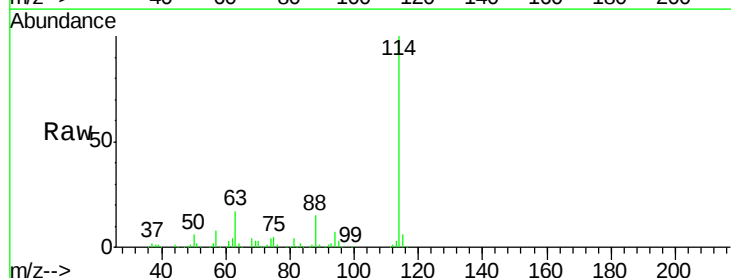
Tgt Ion: 114 Resp: 461069

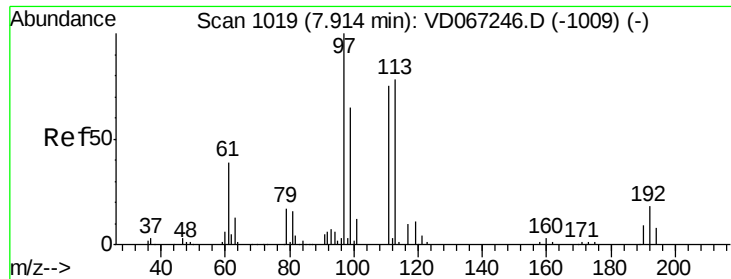
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 14.6 0.0 30.6





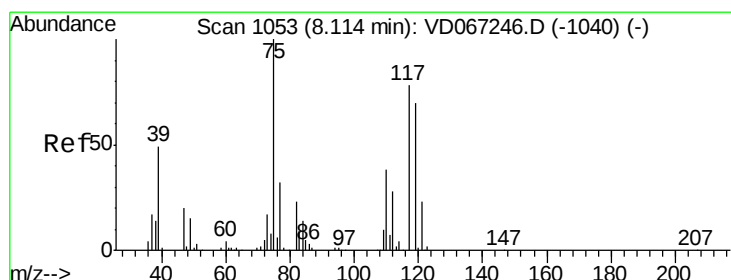
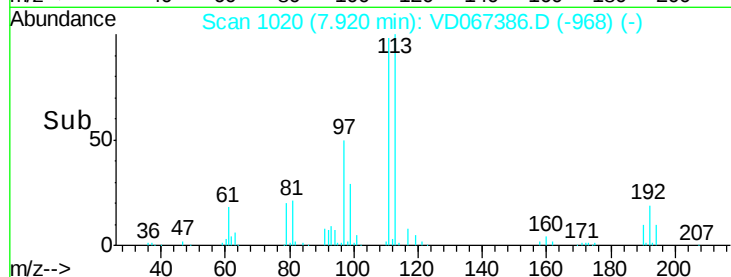
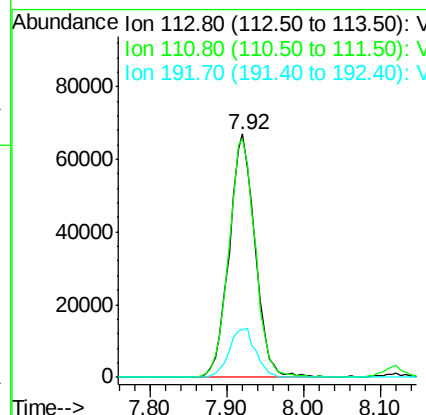
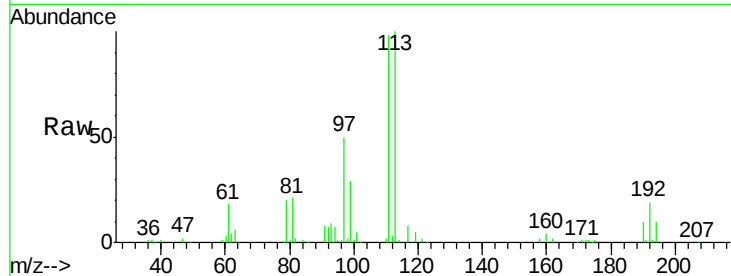
#35
 Dibromofluoromethane
 Concen: 51.051 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156645		
111	99.8	81.6	122.4	
192	20.7	17.0	25.4	

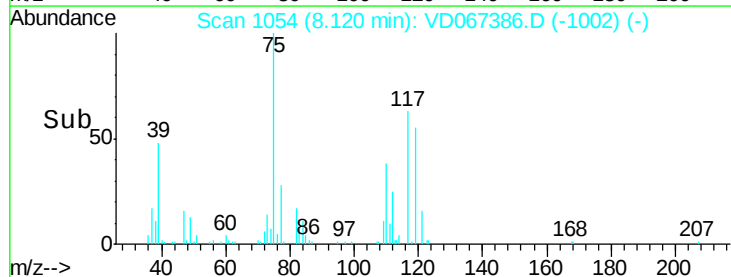
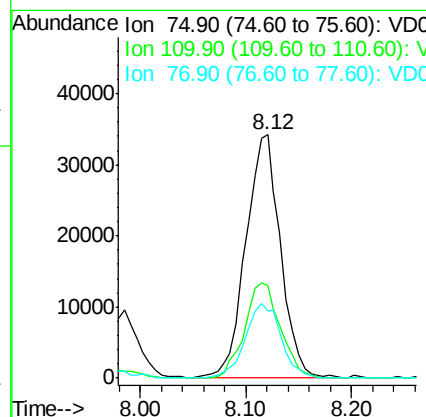
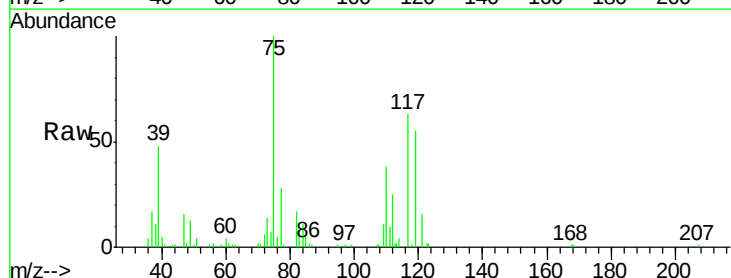
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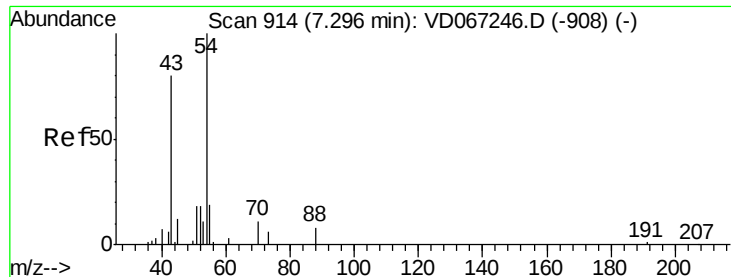
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#36
 1,1-Dichloropropene
 Concen: 20.014 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	78214		
110	40.2	19.6	58.7	
77	31.6	24.6	37.0	





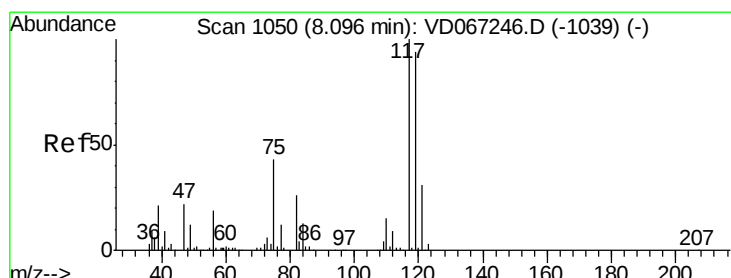
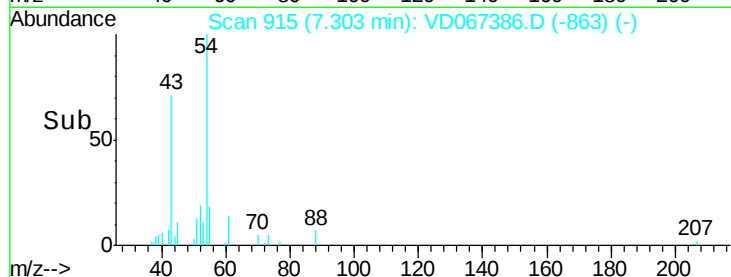
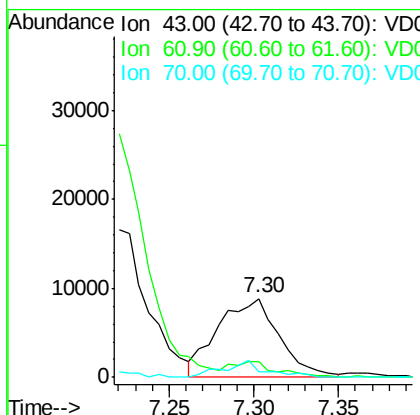
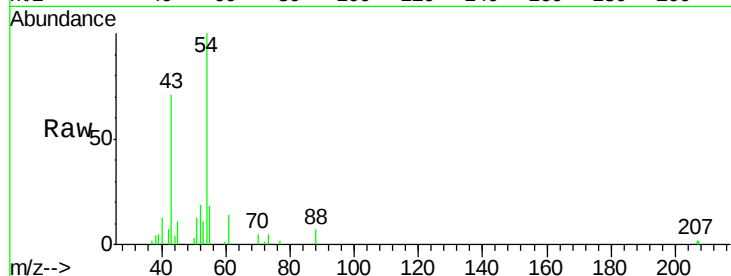
#37
Ethyl Acetate
Concen: 19.529 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.2	15.6	23.4#
70	14.2	10.4	15.6

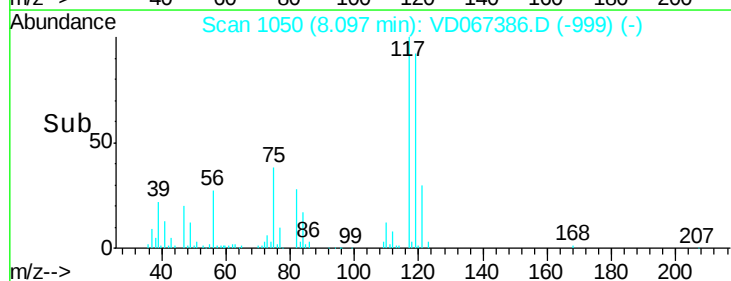
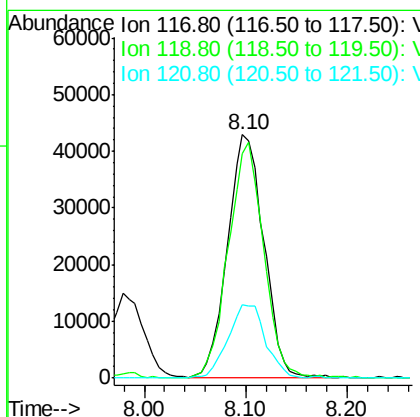
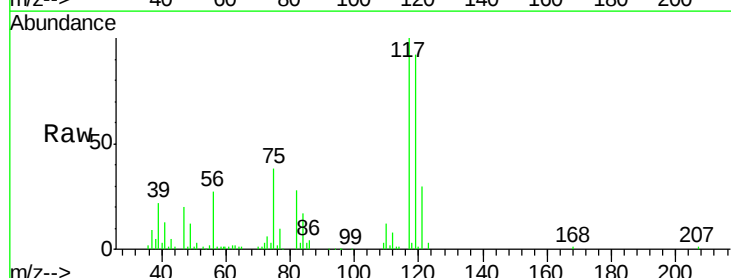
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#38
Carbon Tetrachloride
Concen: 21.409 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.0	75.0	112.4
121	30.4	24.9	37.3





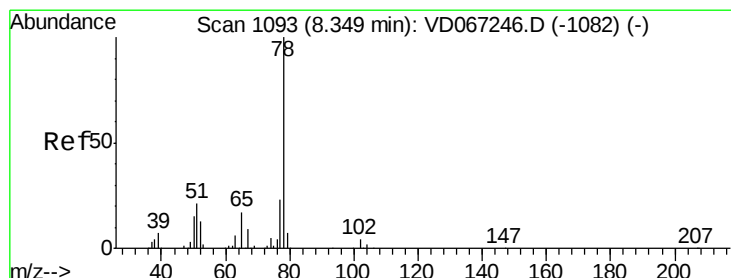
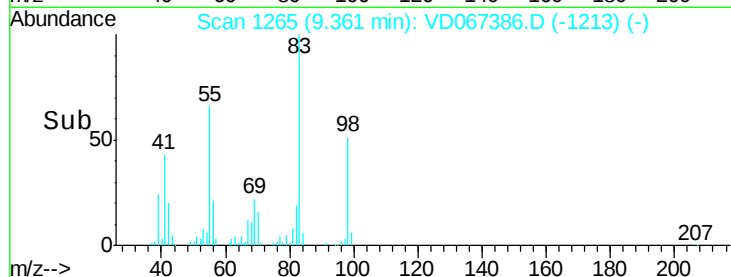
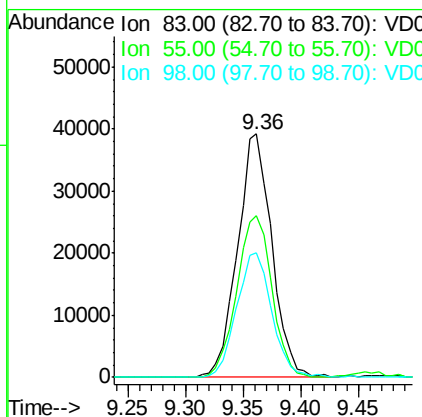
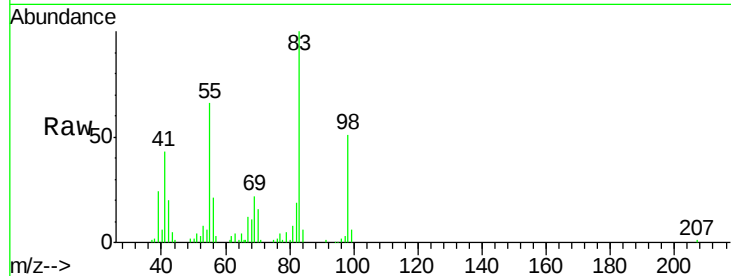
#39
Methvlcvclohexane
Concen: 19.883 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	53.3	79.9
98	51.2	41.0	61.4

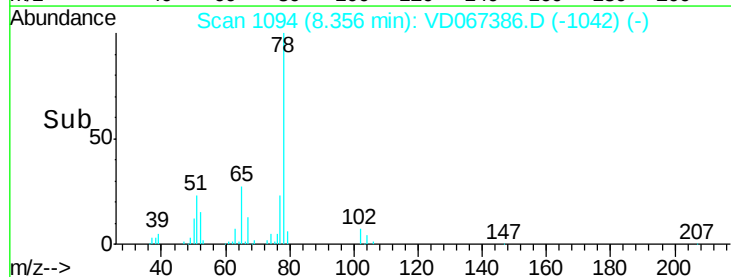
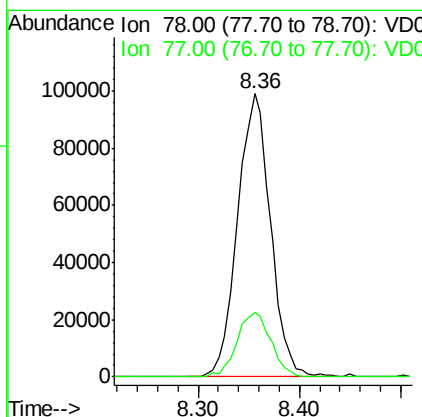
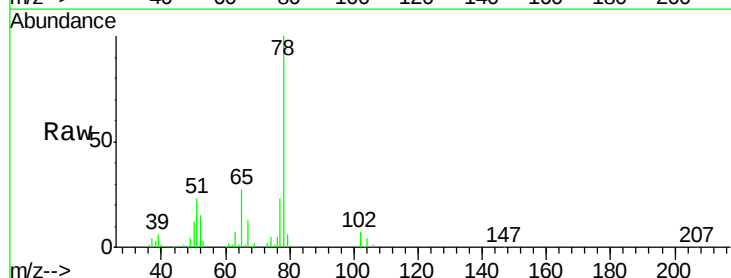
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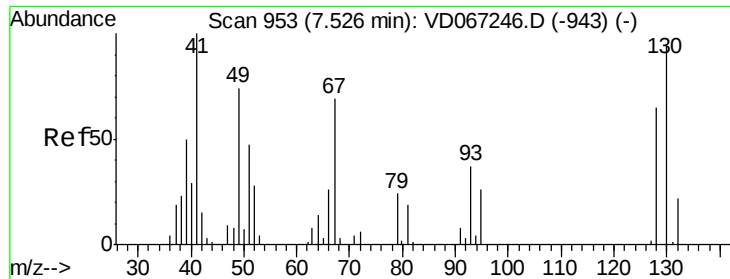
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#40
Benzene
Concen: 20.822 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	18.3	27.5





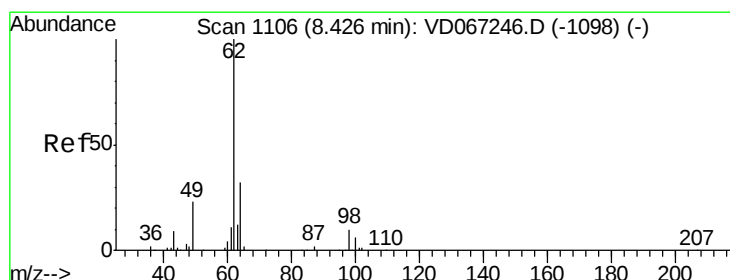
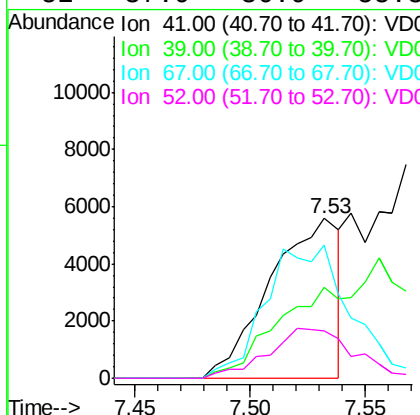
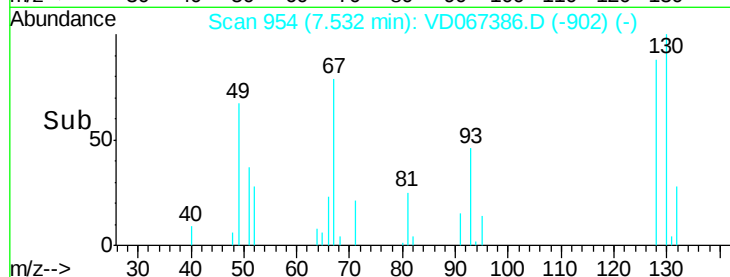
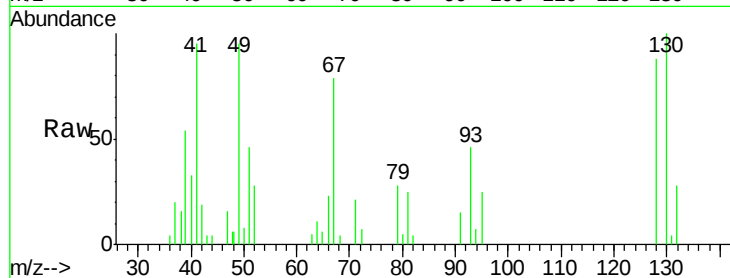
#41
Methacrylonitrile
Concen: 18.939 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		11767		
39	0.0	60.0	90.0#		
67	101.1	88.9	133.3		
52	37.9	36.9	55.3		

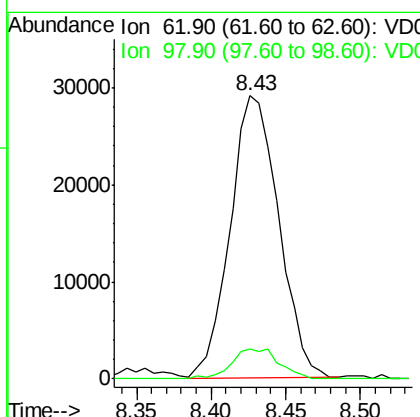
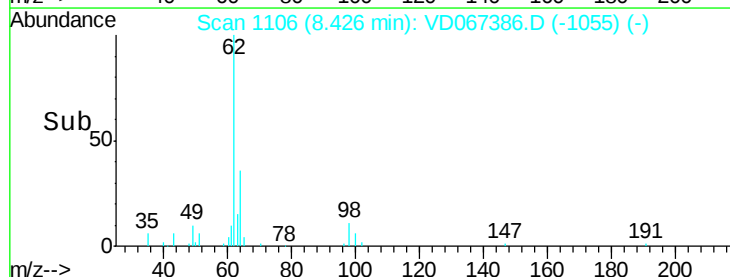
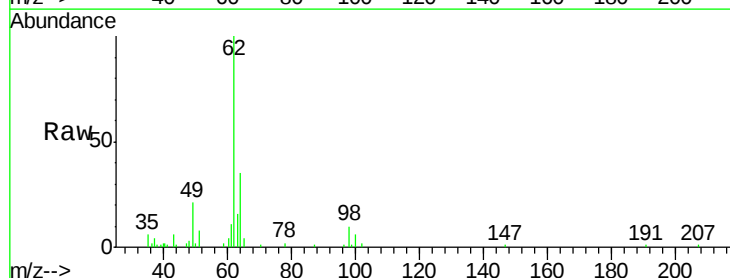
Manual Integrations
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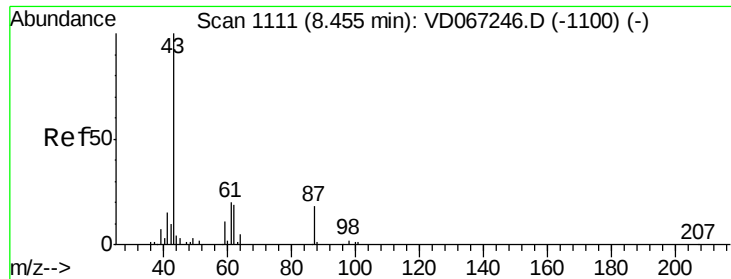
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#42
1,2-Dichloroethane
Concen: 19.508 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		65450		
98	10.5	0.0	19.4		





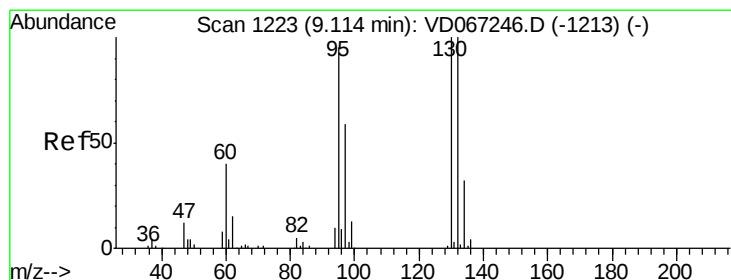
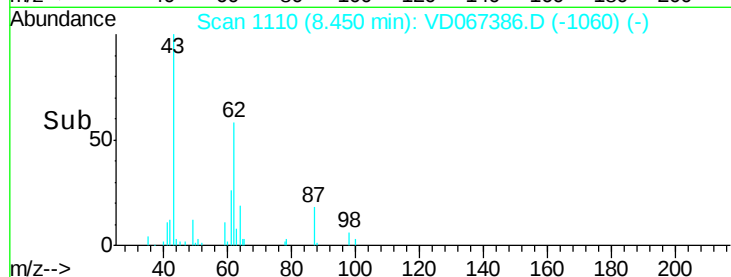
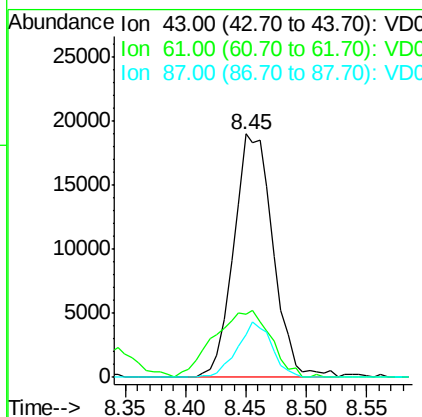
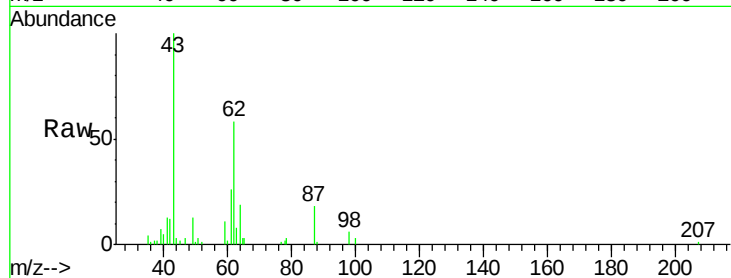
#43
Isopropyl Acetate
Concen: 18.851 ug/l
RT: 8.45 min Scan# 1110
Delta R.T. -0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.4	29.5	44.3
87	20.1	14.2	21.4

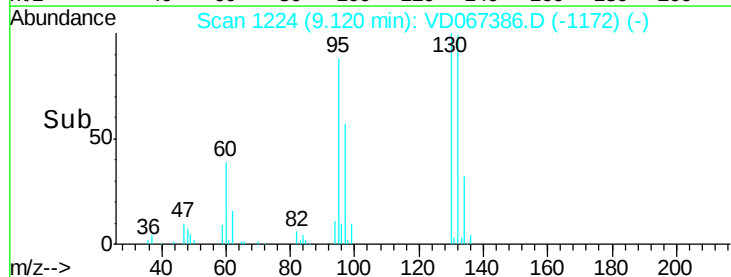
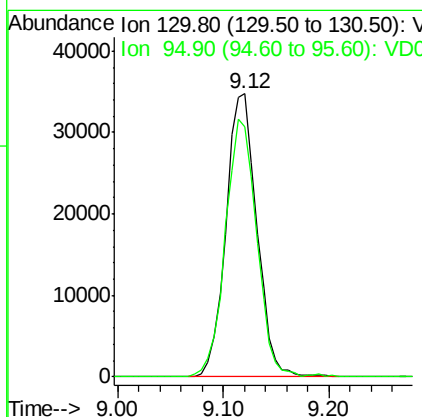
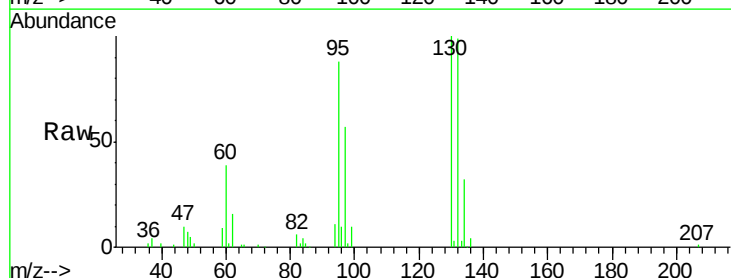
Manual Integrations
APPROVED

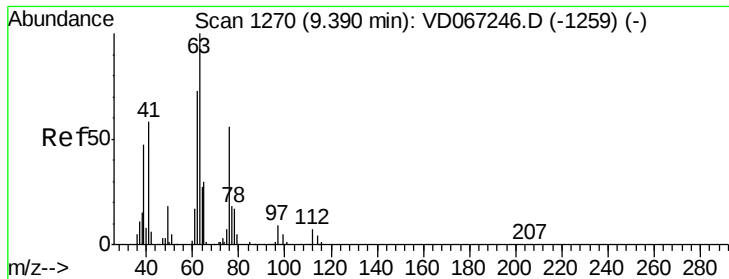
MMDadoda
10/27/2020 11:45:47 AM



#44
Trichloroethene
Concen: 20.411 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
130	100		
95	88.3	0.0	190.6





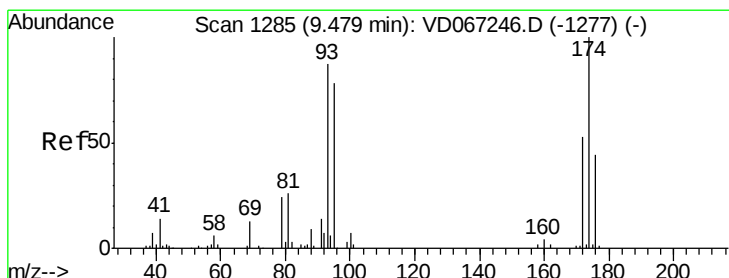
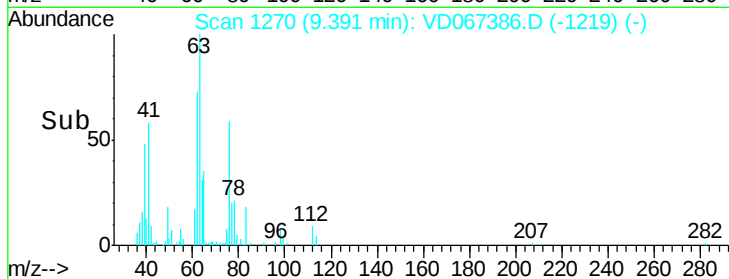
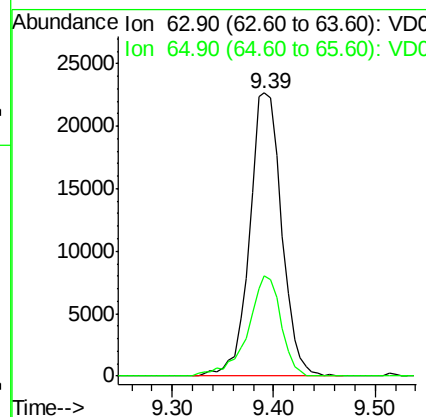
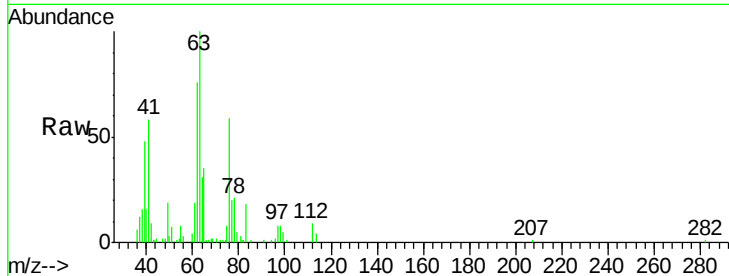
#45
 1,2-Dichloropropane
 Concen: 19.940 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.2	24.6	36.8

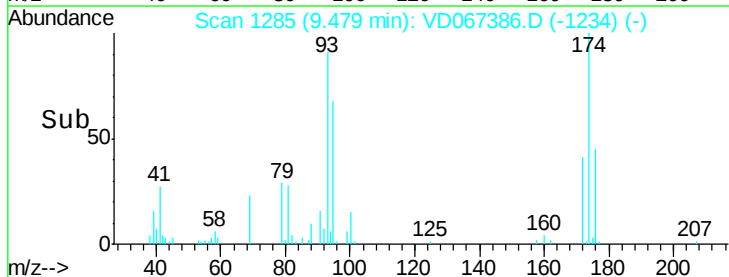
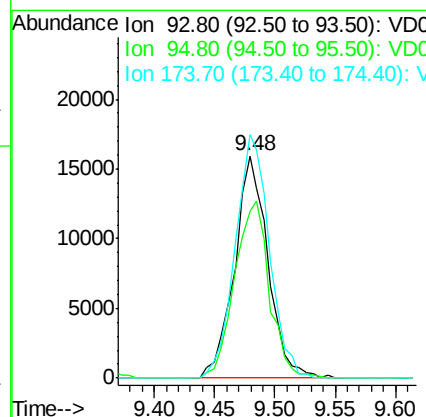
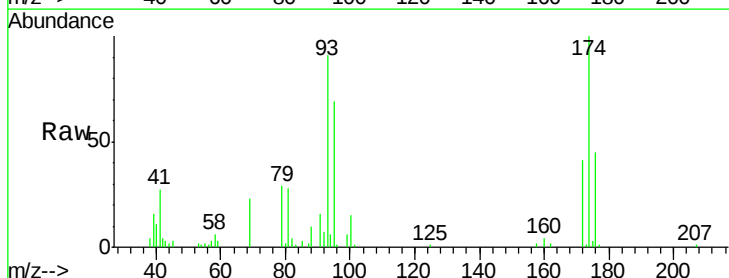
Manual Integrations
 APPROVED

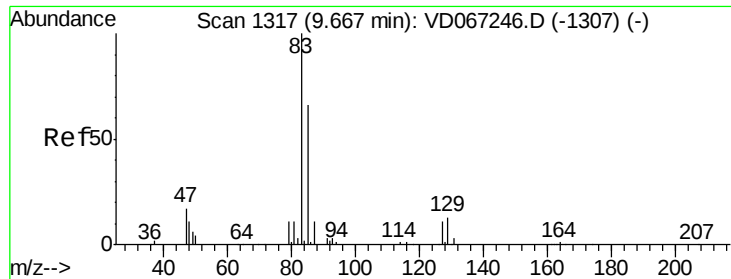
MMDadoda
 10/27/2020 11:45:47 AM



#46
 Dibromomethane
 Concen: 19.836 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.6	68.0	102.0
174	111.9	91.8	137.6





#47

Bromodichloromethane

Concen: 21.379 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

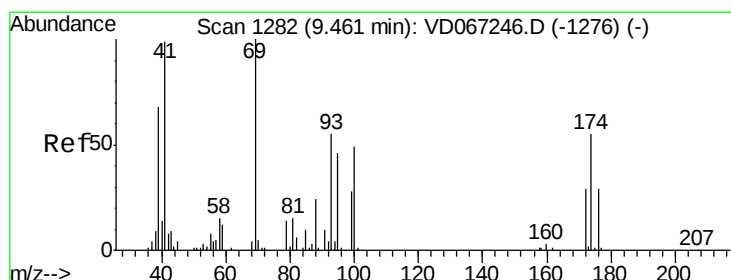
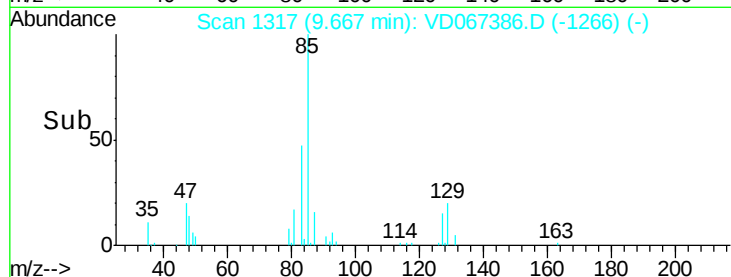
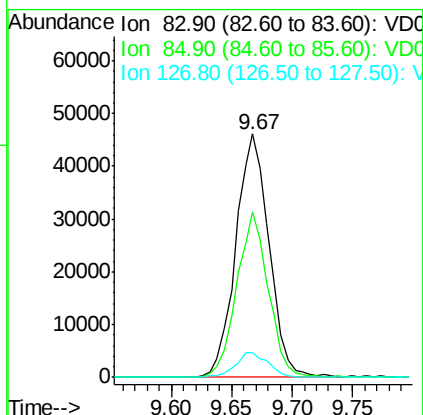
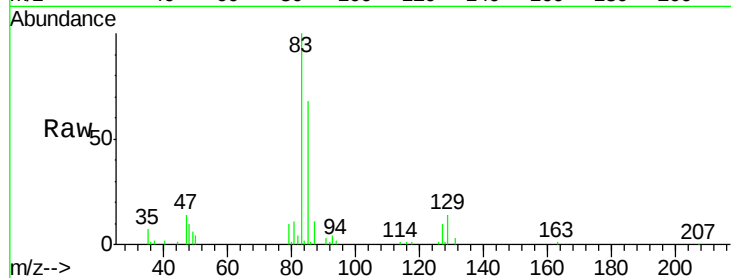
ClientSampleId :

VD1026SBS01

Tot Ion:	83	Resp:	88669
Ion	Ratio	Lower	Upper
83	100		
85	68.0	53.1	79.7
127	10.2	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/27/2020 11:45:47 AM



#48

Methyl methacrylate

Concen: 19.268 ug/l

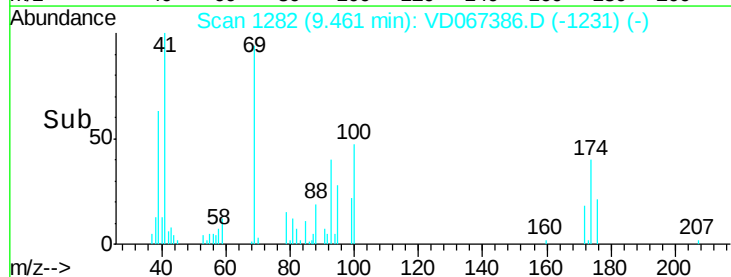
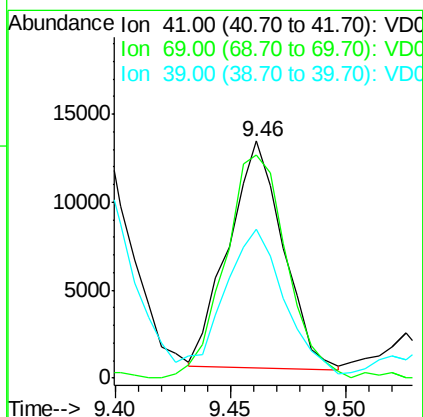
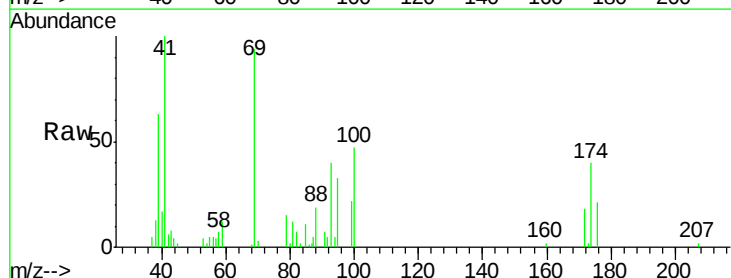
RT: 9.46 min Scan# 1282

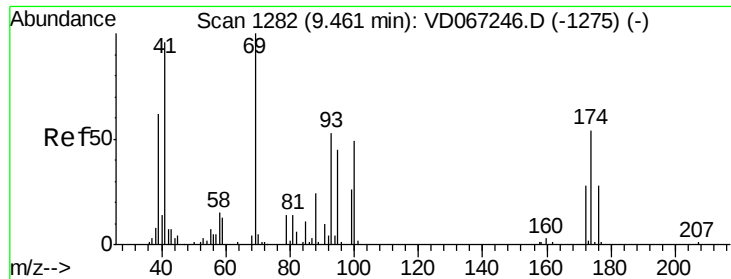
Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Tgt Ion:	41	Resp:	21362
Ion	Ratio	Lower	Upper
41	100		
69	110.0	89.0	133.6
39	74.2	60.2	90.2





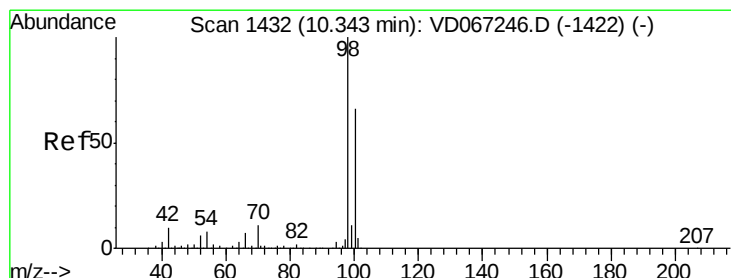
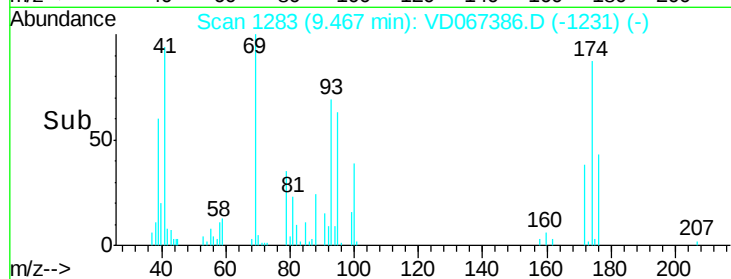
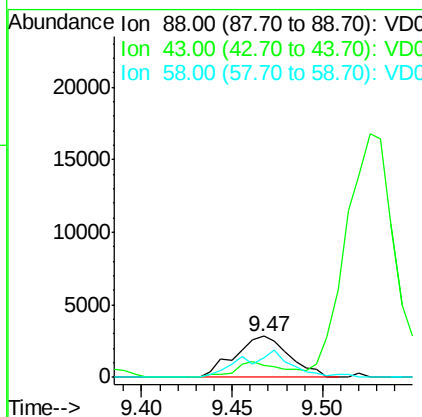
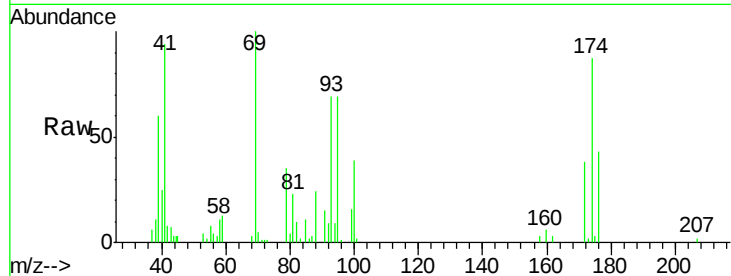
#49
1,4-Dioxane
Concen: 372.851 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	23.9	35.9
58	61.1	51.0	76.6

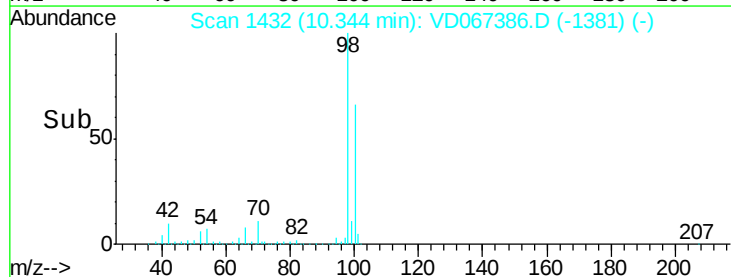
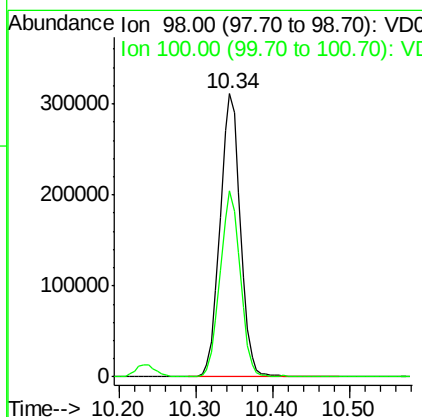
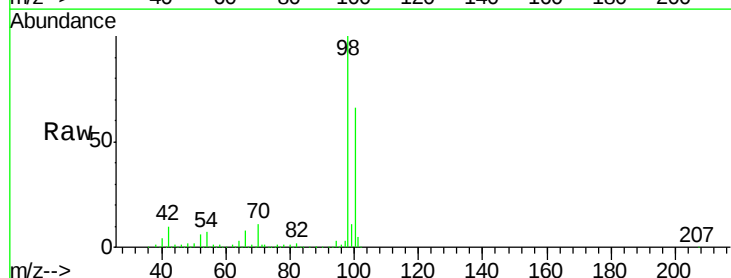
Manual Integrations
APPROVED

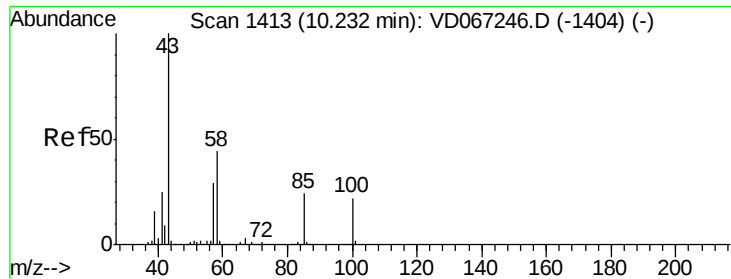
MMDadoda
10/27/2020 11:45:47 AM



#50
Toluene-d8
Concen: 51.107 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 95.308 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 43 Resp: 108452

Ion Ratio Lower Upper

43 100

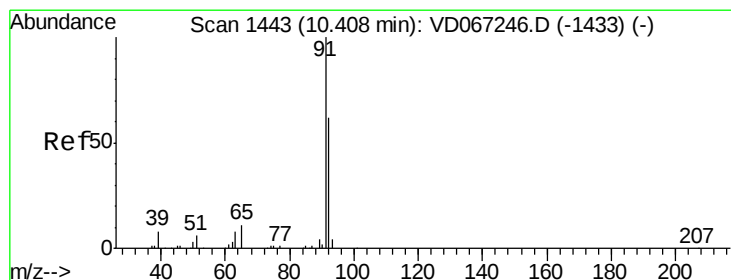
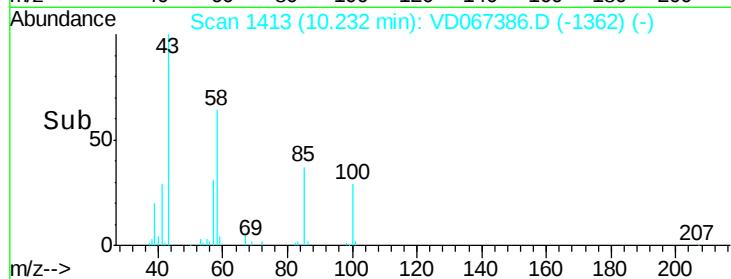
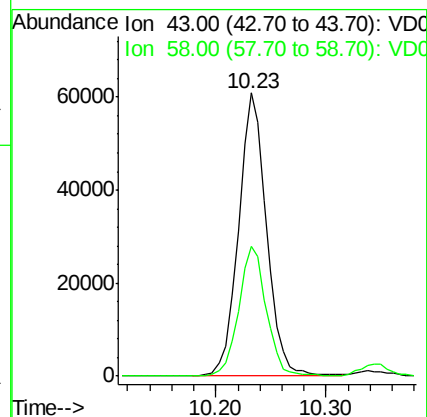
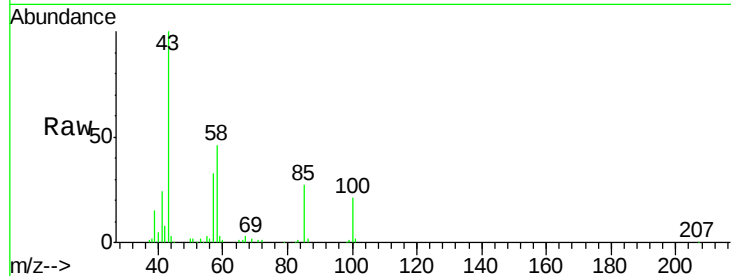
58 45.2 35.7 53.5

Manual Integrations

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MMDadoda

10/27/2020 11:45:47 AM



#52

Toluene

Concen: 21.090 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067386.D

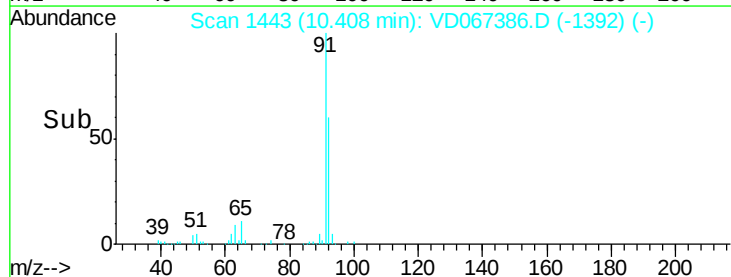
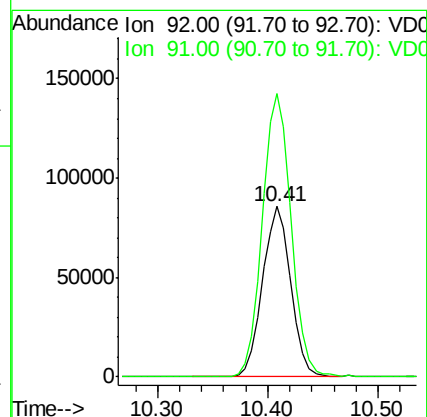
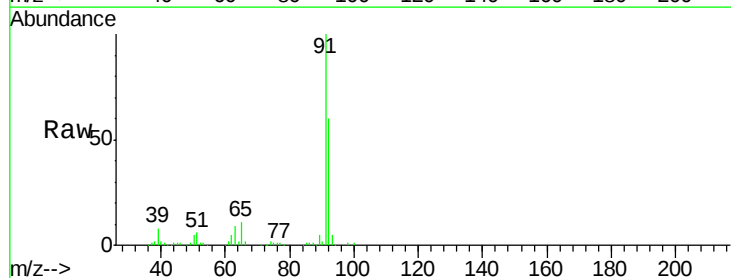
Acq: 26 Oct 2020 12:22

Tgt Ion: 92 Resp: 153995

Ion Ratio Lower Upper

92 100

91 169.2 133.8 200.8





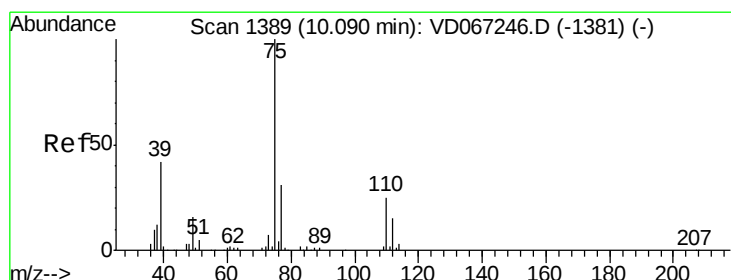
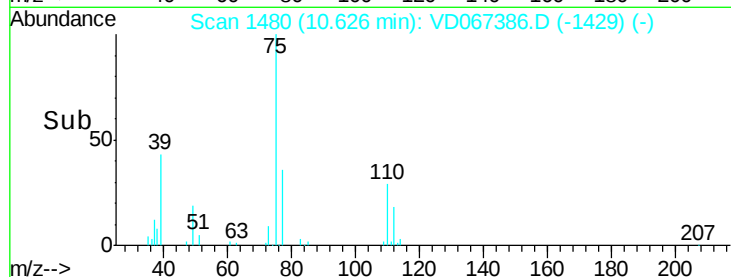
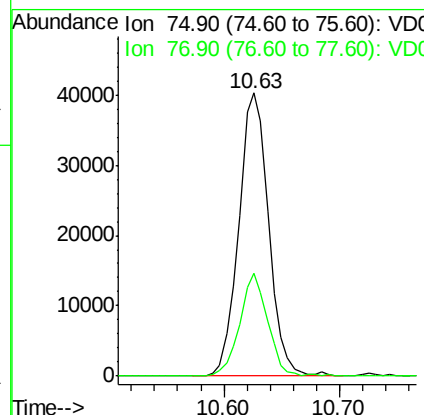
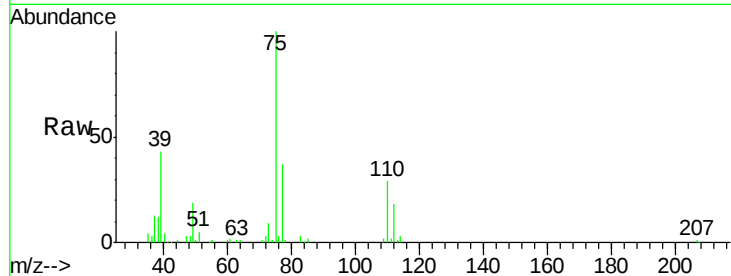
#53
 t-1,3-Dichloropropene
 Concen: 19.810 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion: 75 Resp: 72176
 Ion Ratio Lower Upper
 75 100
 77 36.6 26.5 39.7

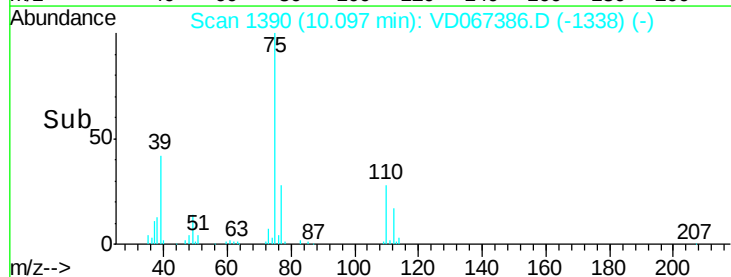
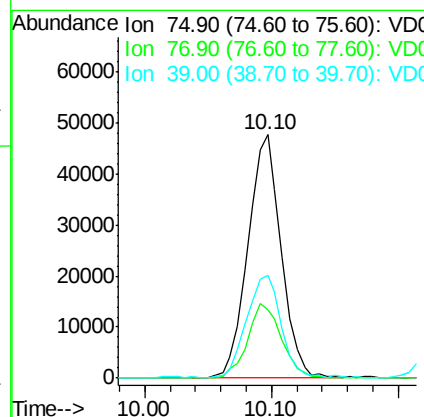
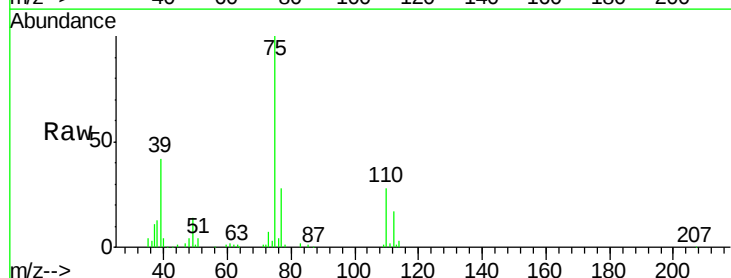
Manual Integrations
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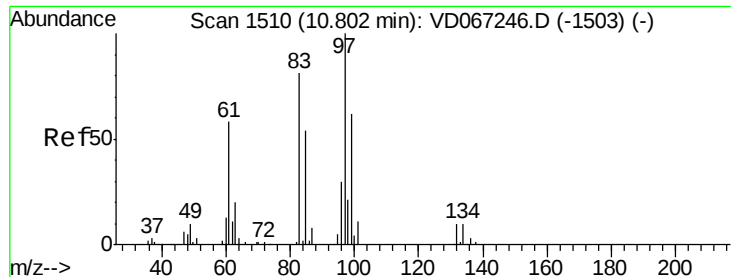
MMDadoda
 10/27/2020 11:45:47 AM



#54
 cis-1,3-Dichloropropene
 Concen: 20.328 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. 0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion: 75 Resp: 86680
 Ion Ratio Lower Upper
 75 100
 77 28.3 24.5 36.7
 39 41.8 33.7 50.5





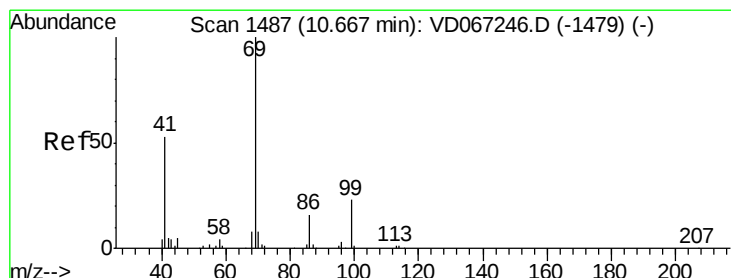
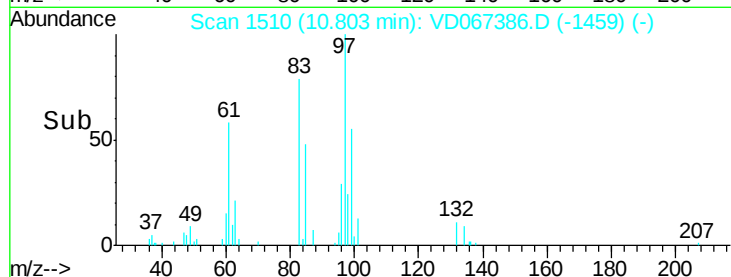
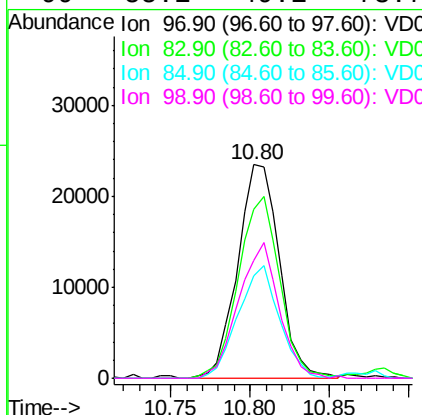
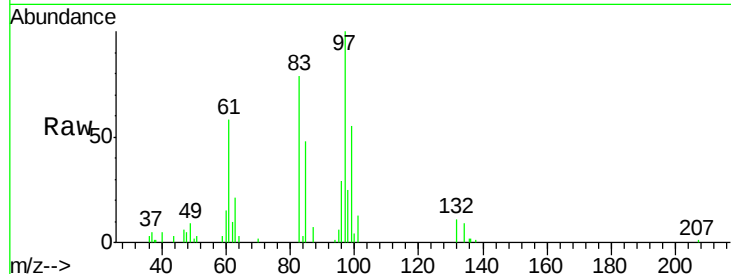
#55
 1,1,2-Trichloroethane
 Concen: 20.415 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	43095		
83	79.1		64.9	97.3
85	48.0		43.3	64.9
99	55.1		49.1	73.7

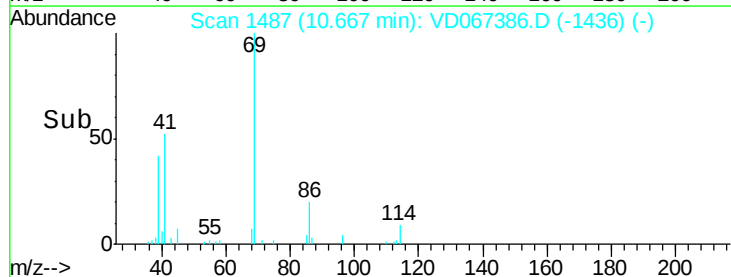
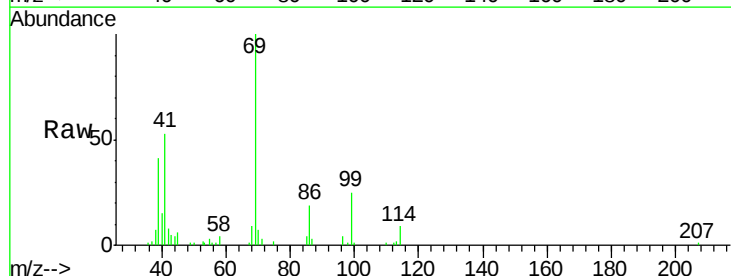
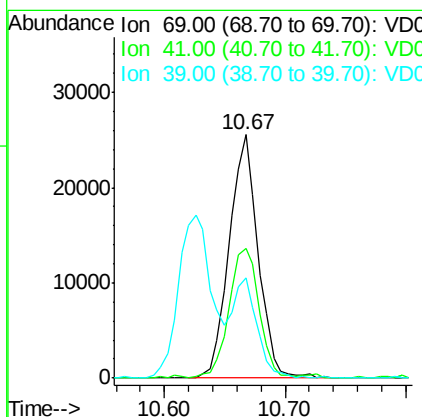
Manual Integrations
 APPROVED

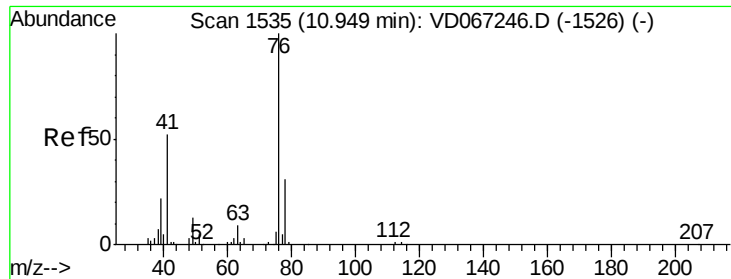
MMDadoda
 10/27/2020 11:45:47 AM



#56
 Ethyl methacrylate
 Concen: 19.408 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	42491		
41	55.9		44.7	67.1
39	35.2		26.2	39.2





#57

1,3-Dichloropropane

Concen: 20.514 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 76 Resp: 68917

Ion Ratio Lower Upper

76 100

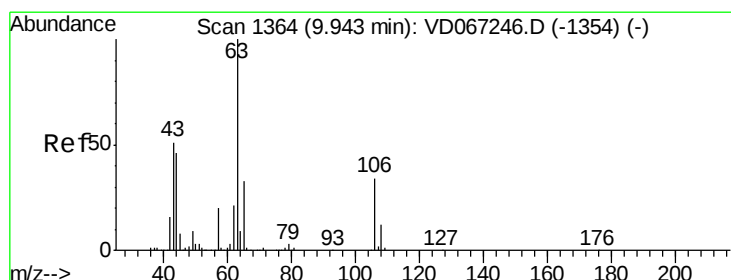
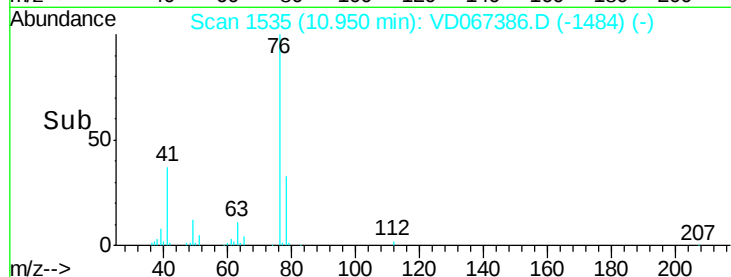
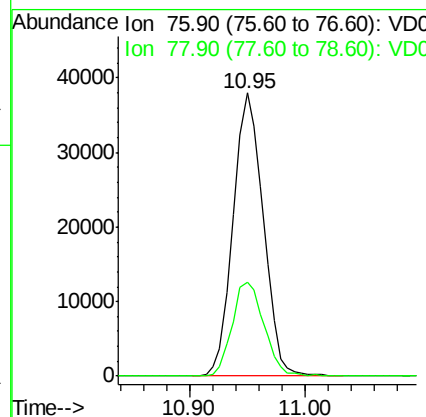
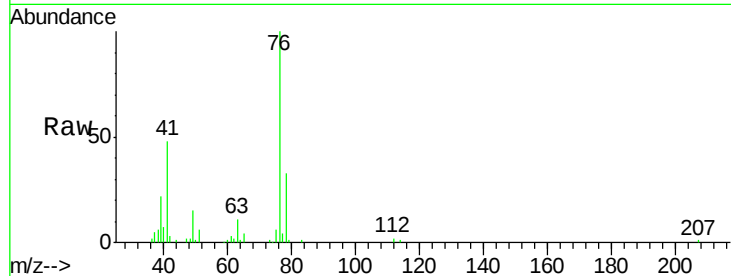
78 34.8 26.8 40.2

Manual Integrations

APPROVED

MMDadoda

10/27/2020 11:45:47 AM



#58

2-Chloroethyl Vinyl ether

Concen: 97.838 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067386.D

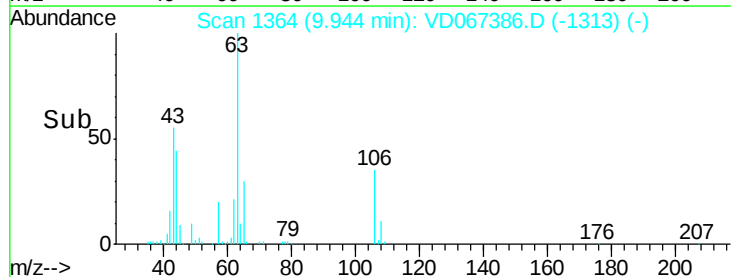
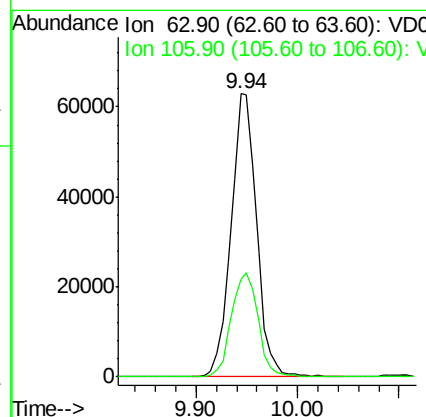
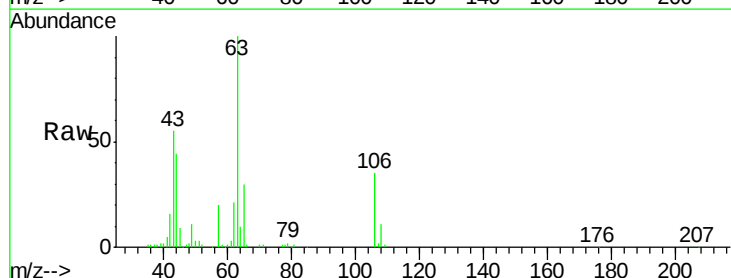
Acq: 26 Oct 2020 12:22

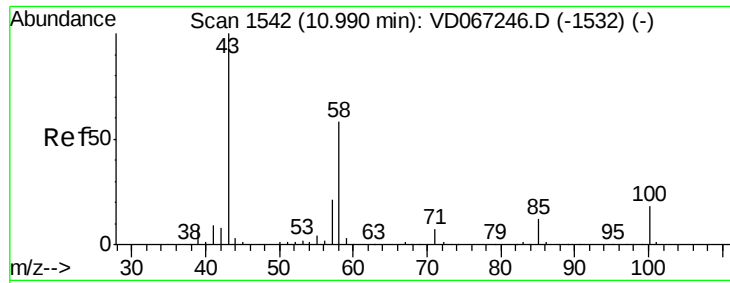
Tgt Ion: 63 Resp: 109883

Ion Ratio Lower Upper

63 100

106 38.3 27.8 41.6





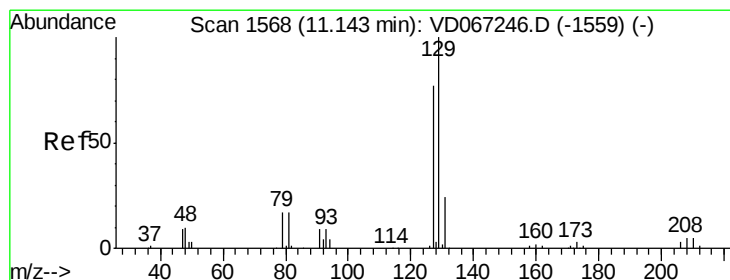
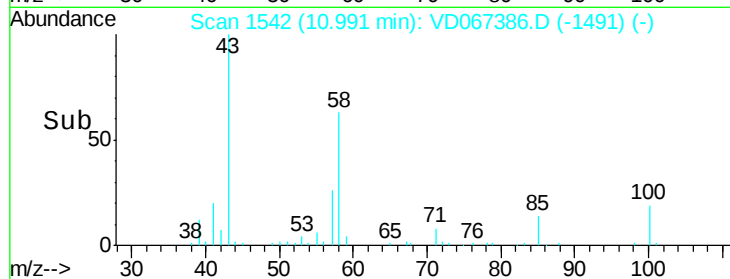
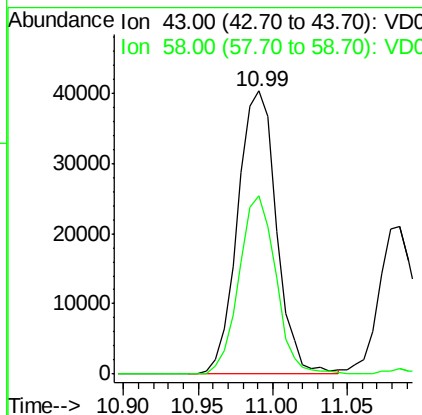
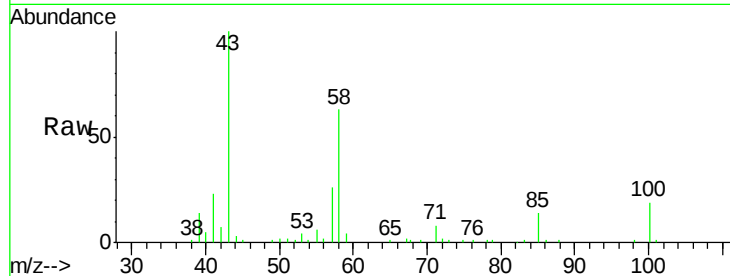
#59
2-Hexanone
Concen: 93.605 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 43 Resp: 72784
Ion Ratio Lower Upper
43 100
58 59.6 29.3 87.9

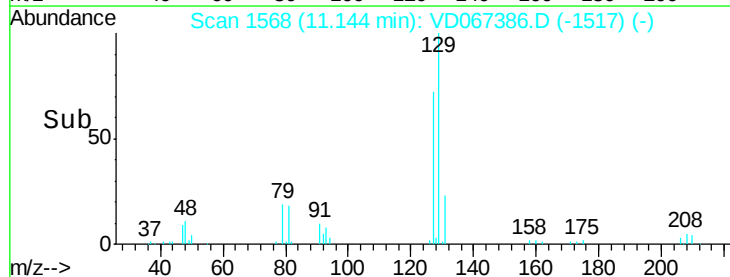
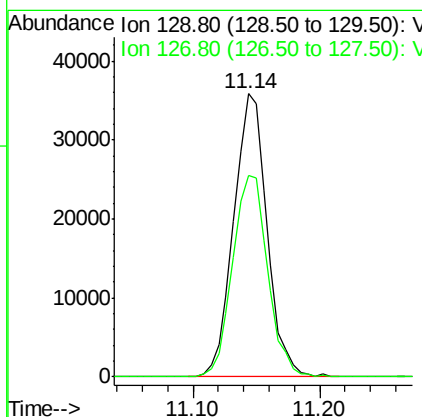
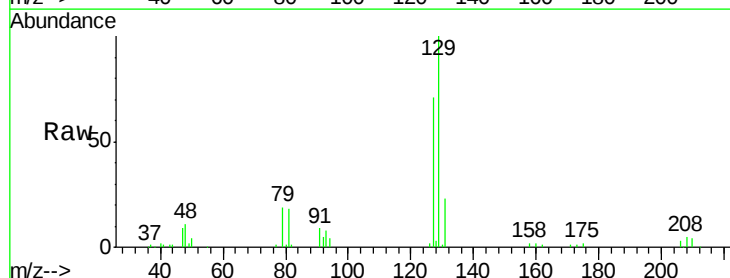
Manual Integrations
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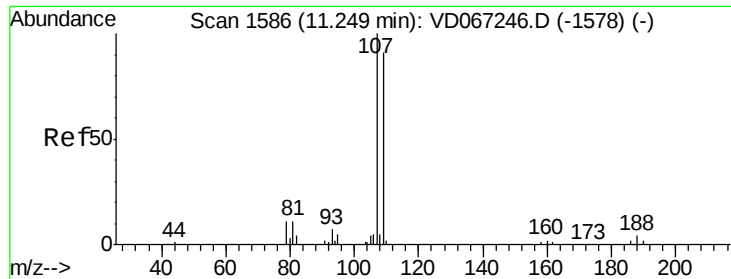
MMDadoda
10/27/2020 11:45:47 AM



#60
Dibromochloromethane
Concen: 21.132 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion: 129 Resp: 65056
Ion Ratio Lower Upper
129 100
127 75.2 38.3 114.8





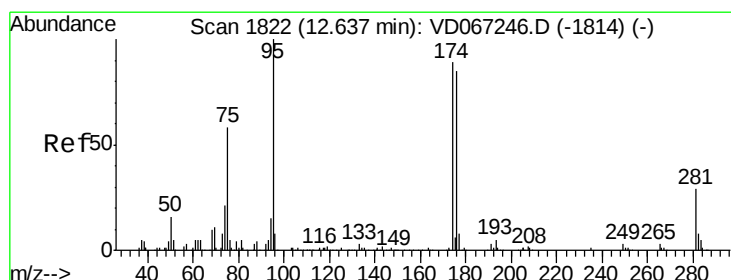
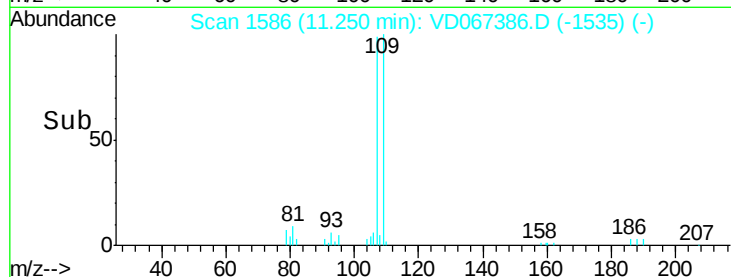
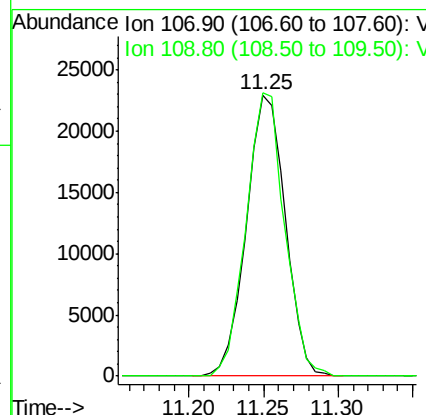
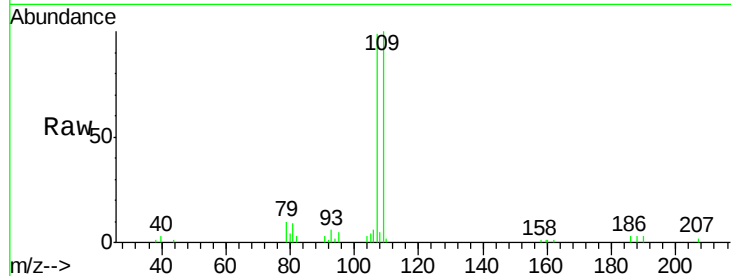
#61
 1,2-Dibromoethane
 Concen: 19.874 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	99.6	74.6	112.0

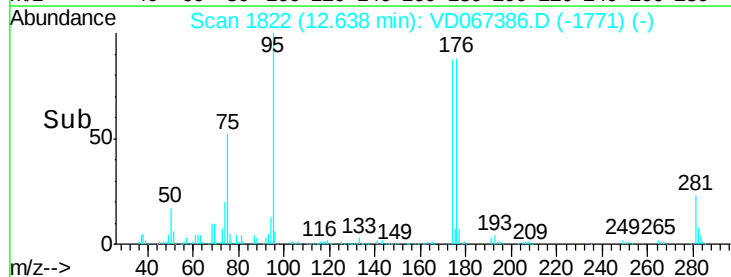
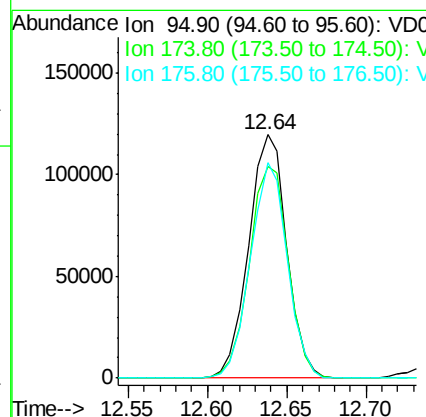
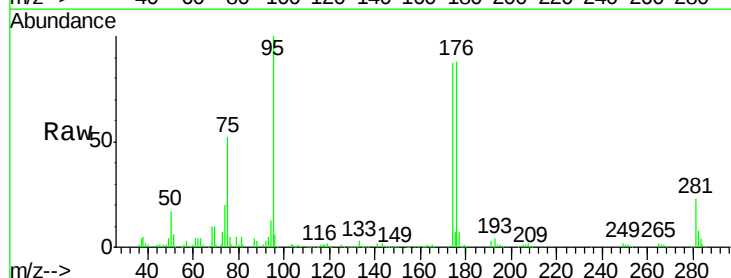
Manual Integrations
 APPROVED

MMDadoda
 10/27/2020 11:45:47 AM



#62
 4-Bromofluorobenzene
 Concen: 51.733 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.8	0.0	175.2
176	85.8	0.0	168.6





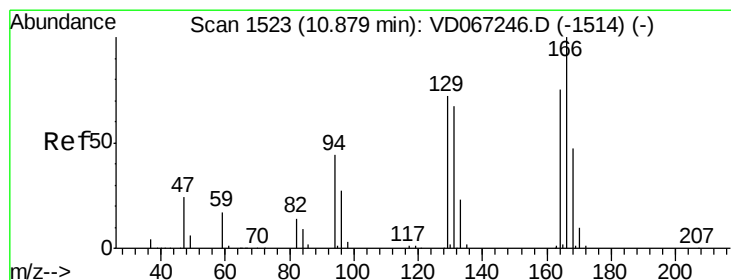
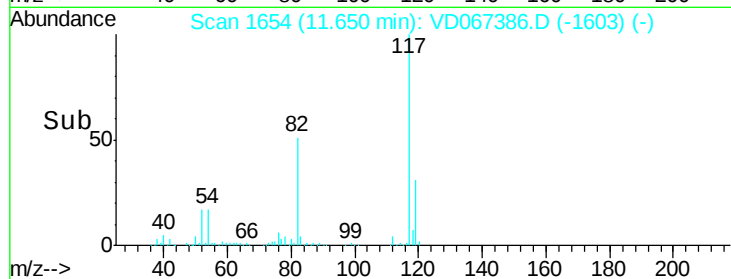
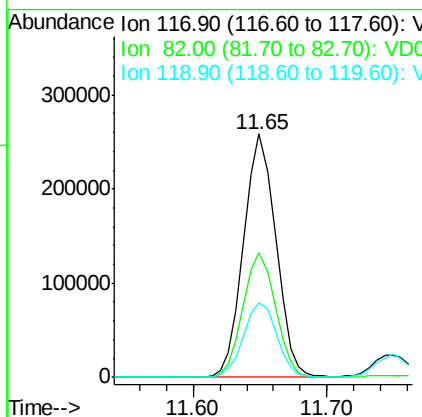
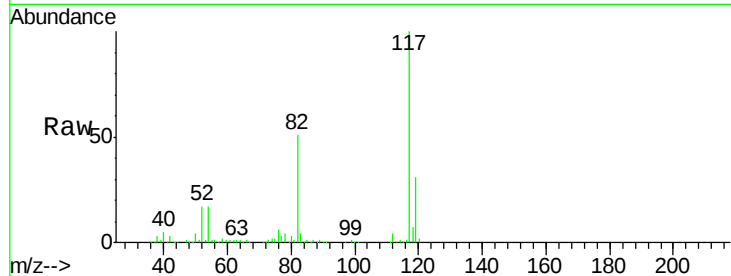
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.2	39.9	59.9
119	30.7	24.9	37.3

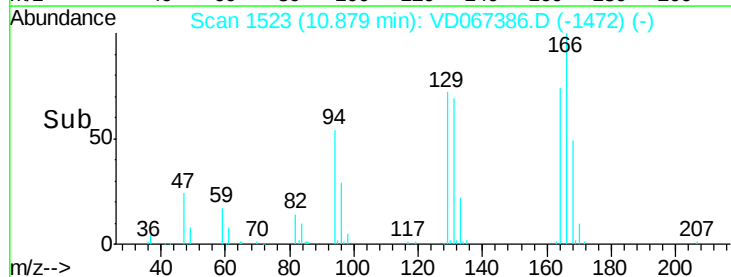
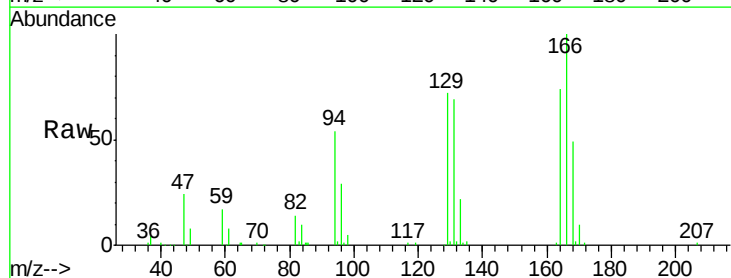
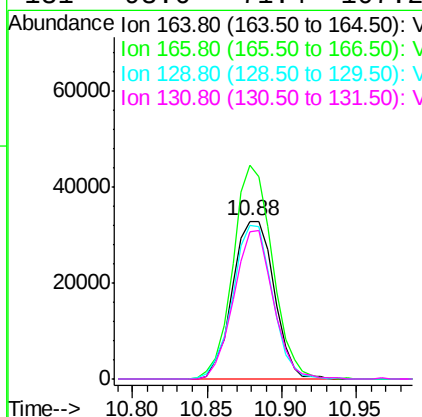
Manual Integrations
APPROVED

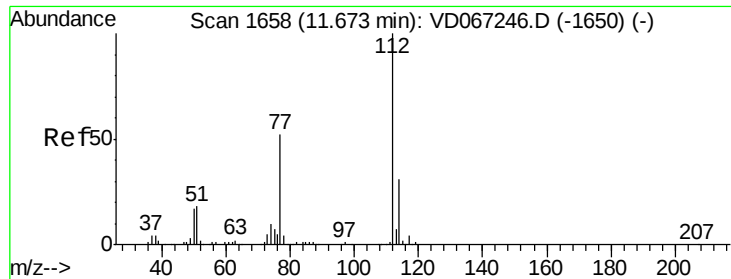
MMDadoda
10/27/2020 11:45:47 AM



#64
Tetrachloroethene
Concen: 20.223 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	135.2	107.3	160.9
129	96.8	77.3	115.9
131	93.6	71.4	107.2





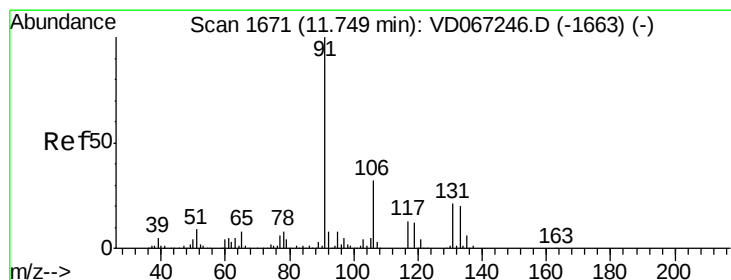
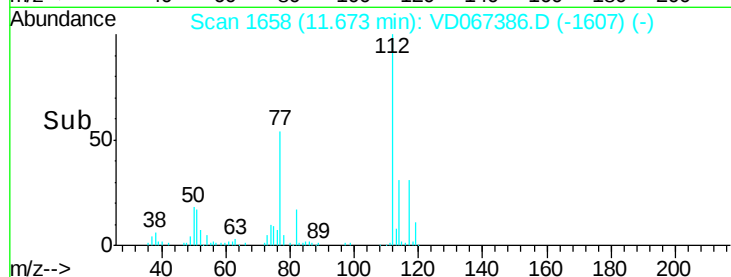
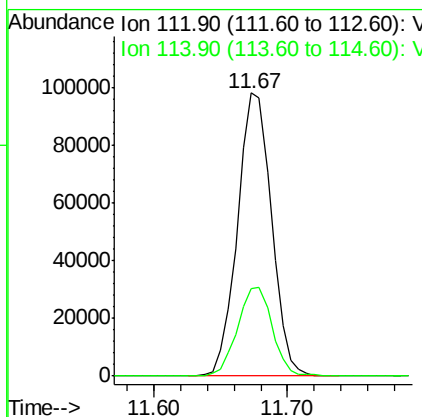
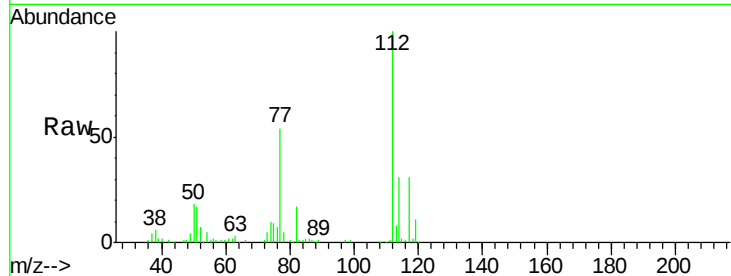
#65
Chlorobenzene
Concen: 20.743 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.8	25.0	37.4

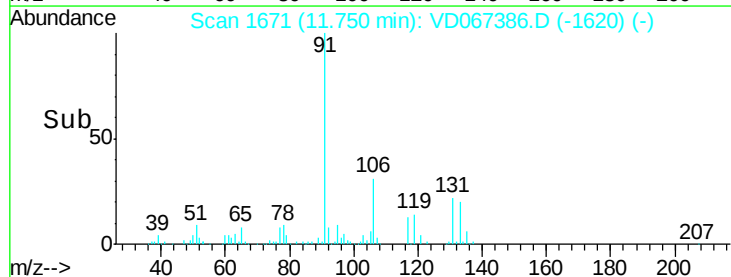
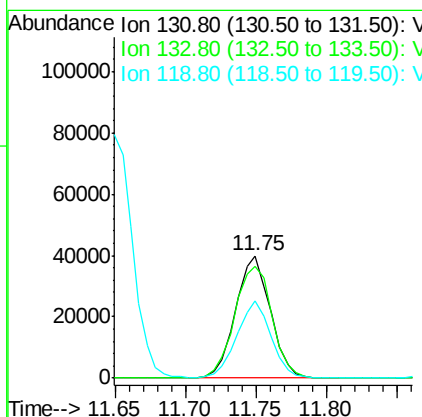
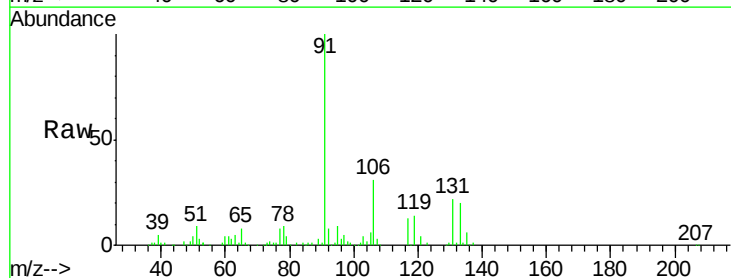
Manual Integrations
APPROVED

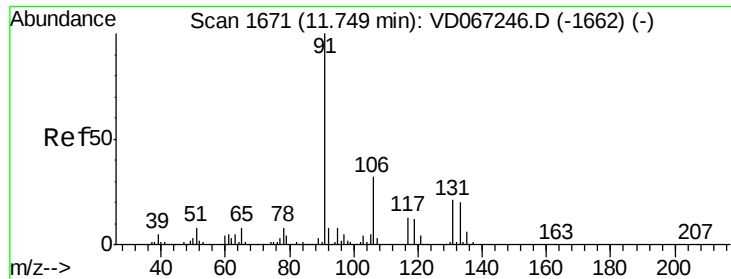
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.750 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
131	100		
133	98.9	48.1	144.3
119	61.9	30.0	90.0





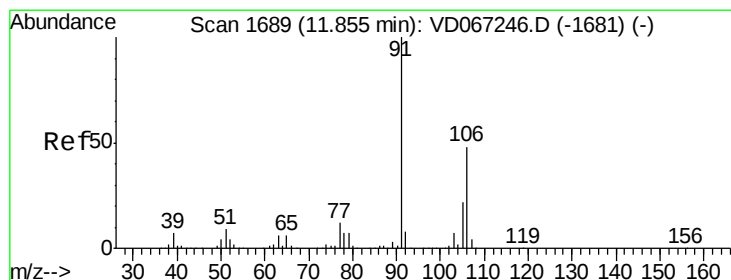
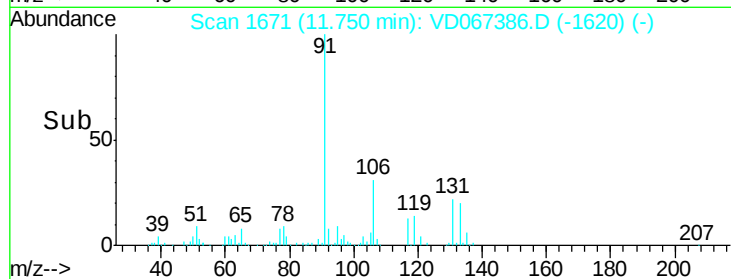
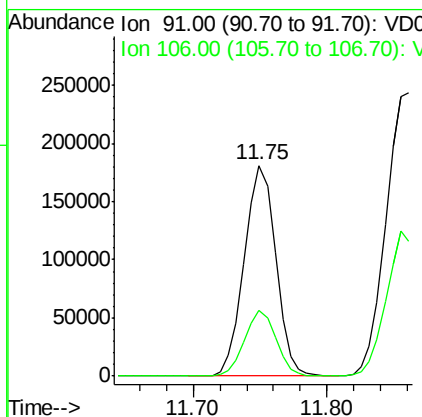
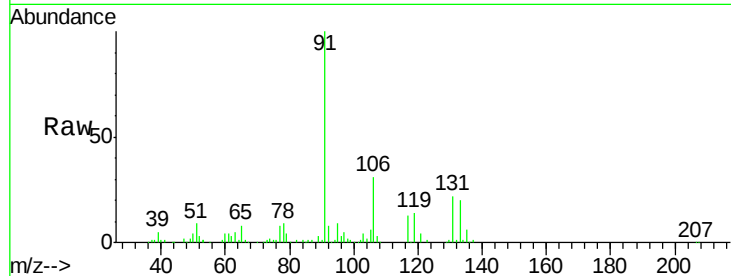
#67
Ethyl Benzene
Concen: 20.727 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion: 91 Resp: 295886
Ion Ratio Lower Upper
91 100
106 31.3 25.4 38.0

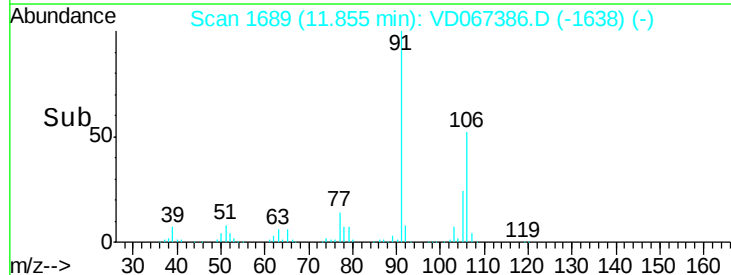
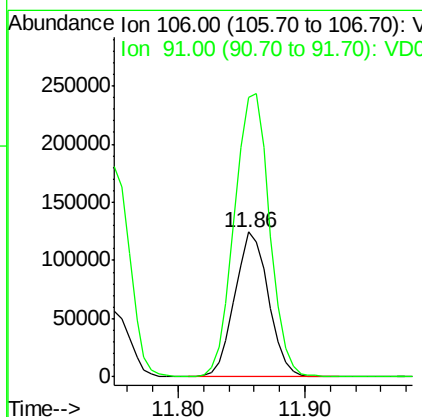
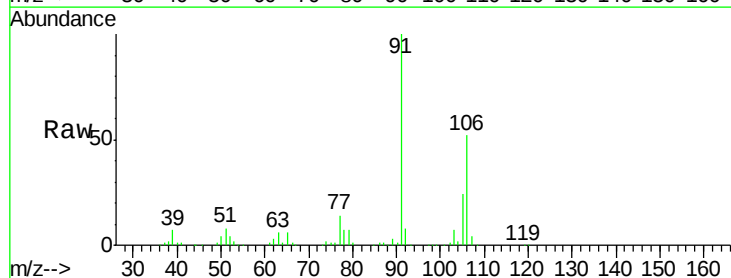
Manual Integrations
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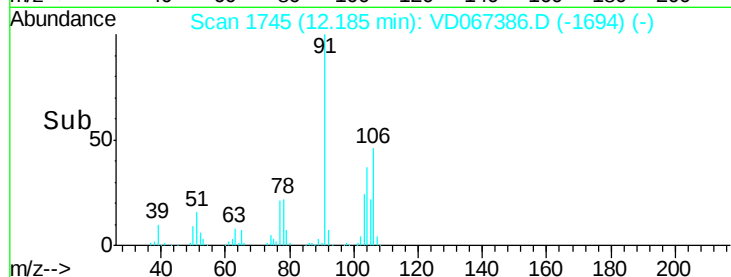
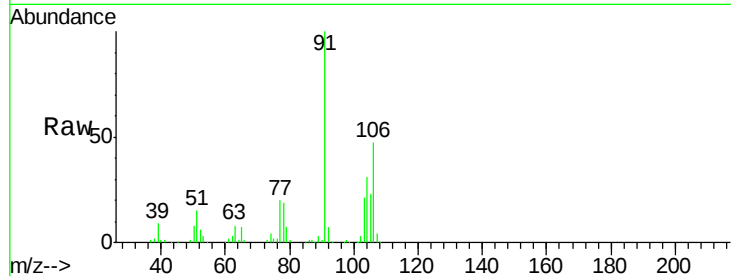
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#68
m/p-Xylenes
Concen: 41.812 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion: 106 Resp: 229847
Ion Ratio Lower Upper
106 100
91 203.9 163.8 245.8





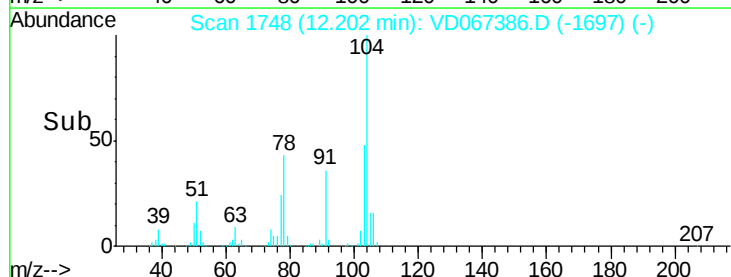
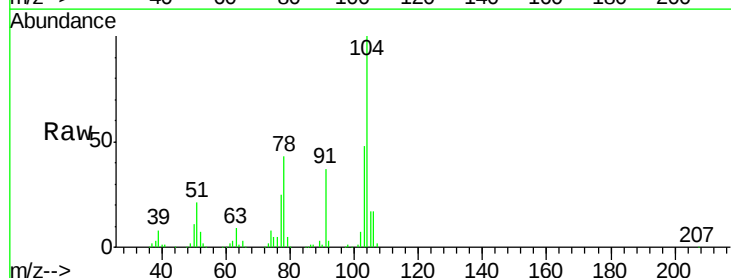
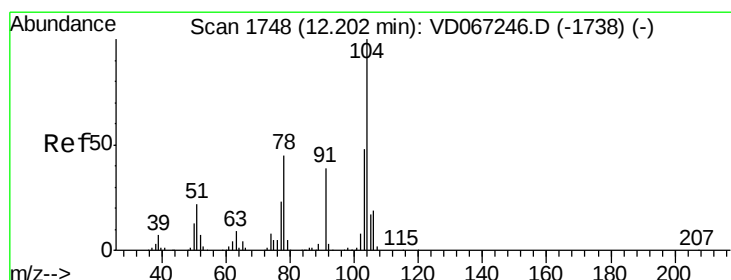
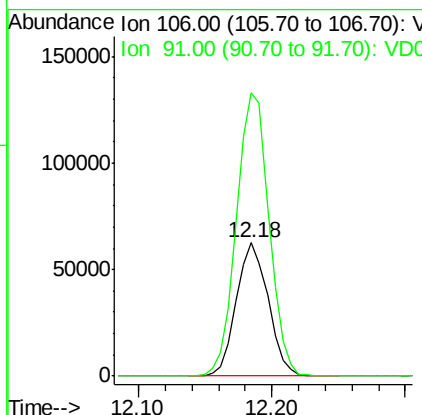
#69
o-Xylene
Concen: 20.317 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tot Ion	Ratio	Resp	Lower	Upper
106	100	103424		
91	216.9	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

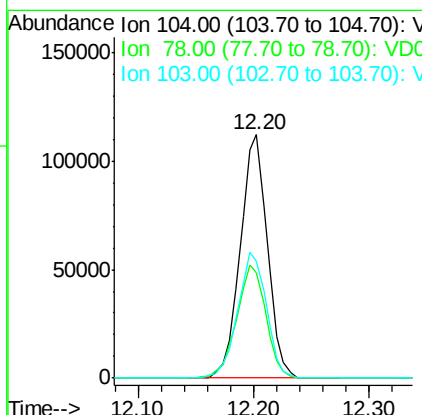
Manual Integrations
APPROVED

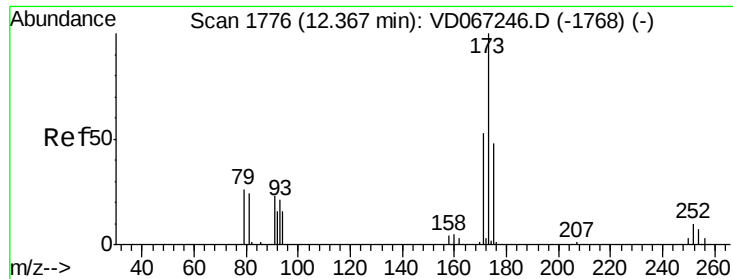
MMDadoda
10/27/2020 11:45:47 AM



#70
Styrene
Concen: 20.887 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	183031		
78	49.9	39.8	59.6	
103	54.8	42.6	64.0	





#71

Bromoform

Concen: 20.434 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

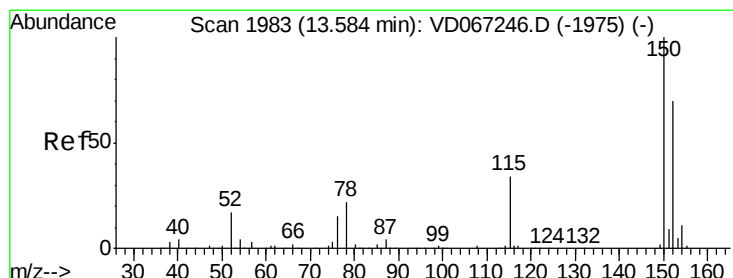
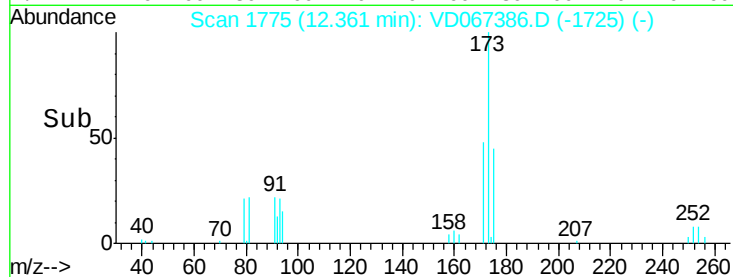
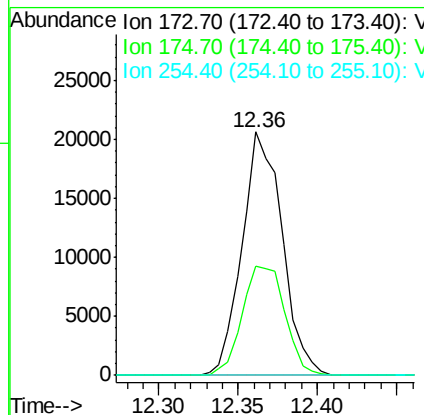
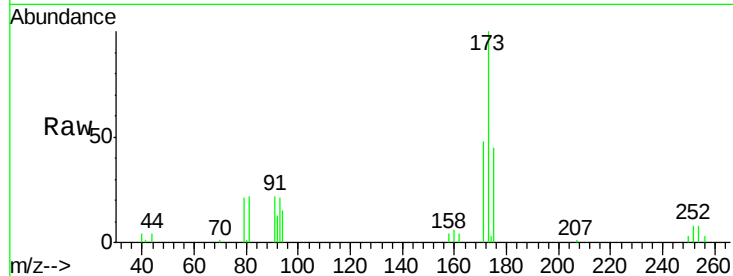
ClientSampleId :

VD1026SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.2	72.6
254	0.0	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

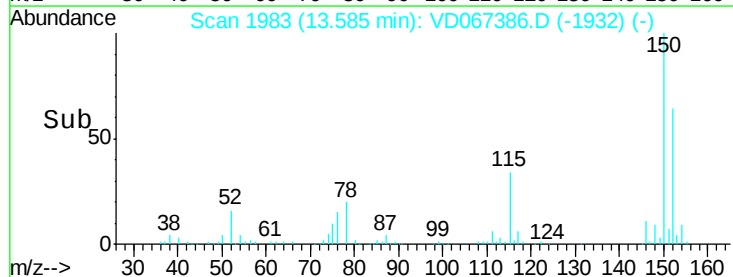
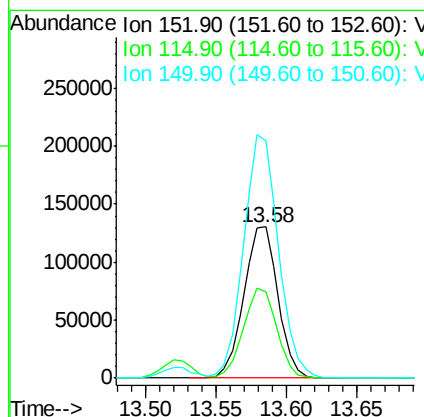
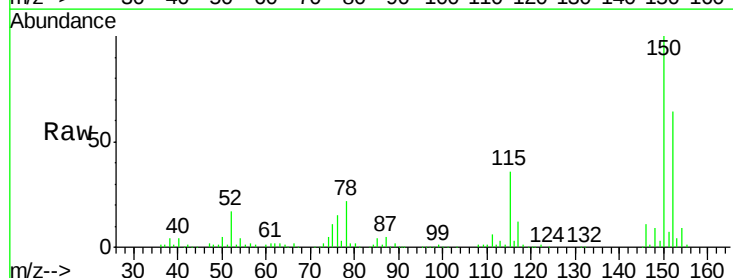
RT: 13.58 min Scan# 1983

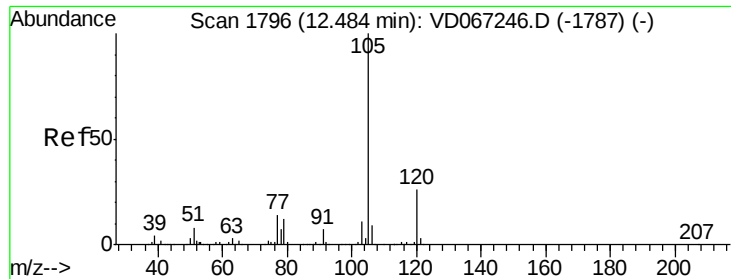
Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.4	29.3	87.9
150	164.1	0.0	339.0





#73

Isopropylbenzene

Concen: 21.290 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 105 Resp: 298475

Ion Ratio Lower Upper

105 100

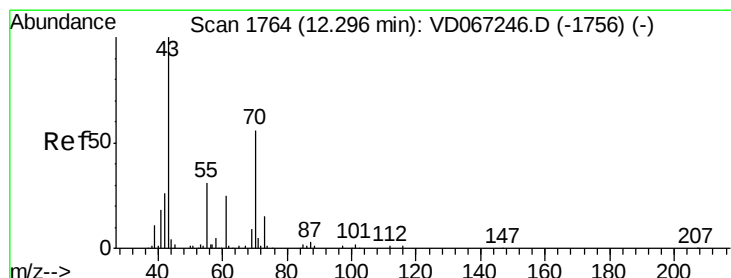
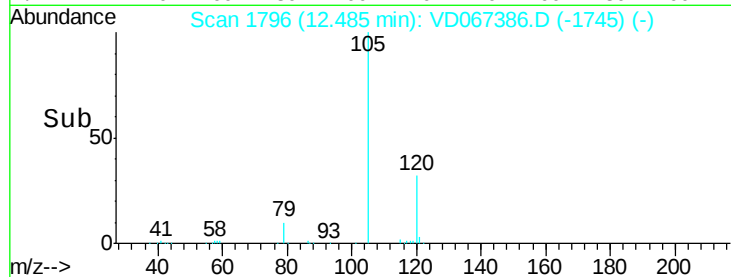
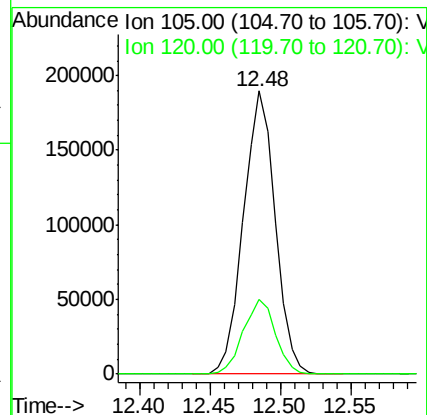
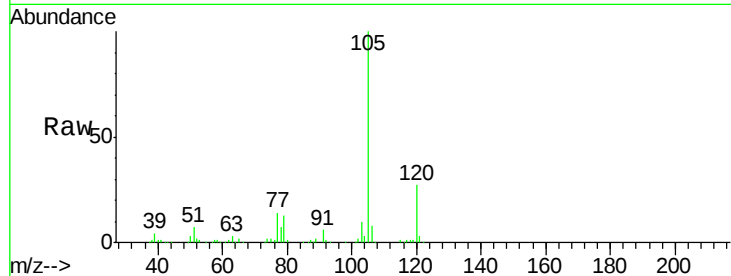
120 26.8 13.3 39.8

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#74

N-ethyl acetate

Concen: 19.075 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Tgt Ion: 43 Resp: 40389

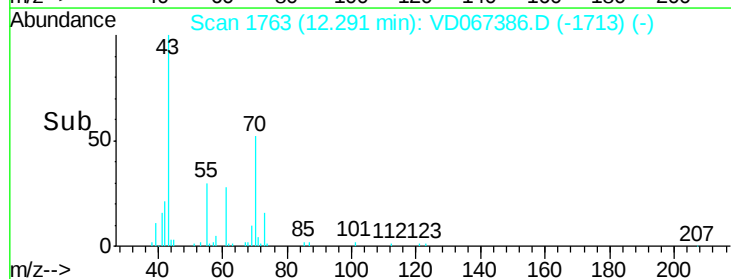
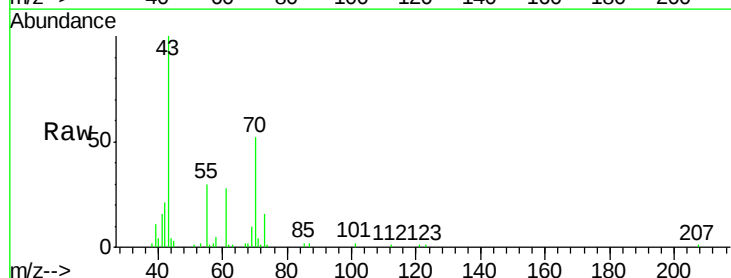
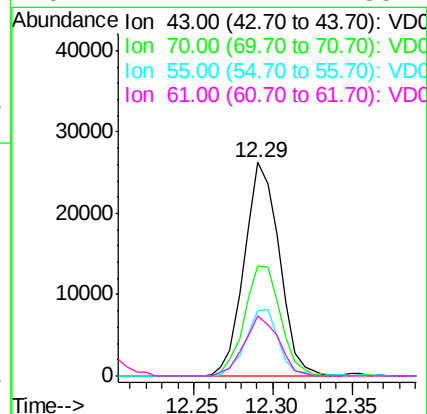
Ion Ratio Lower Upper

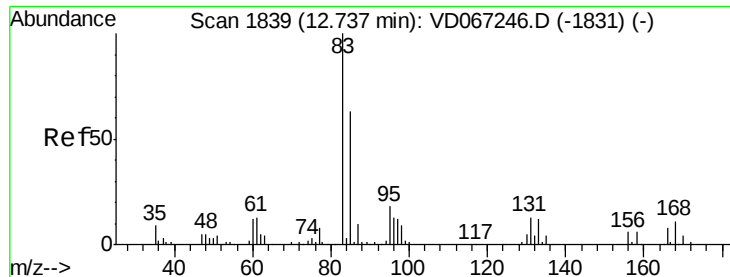
43 100

70 53.5 42.7 64.1

55 29.0 24.0 36.0

61 27.4 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 19.841 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

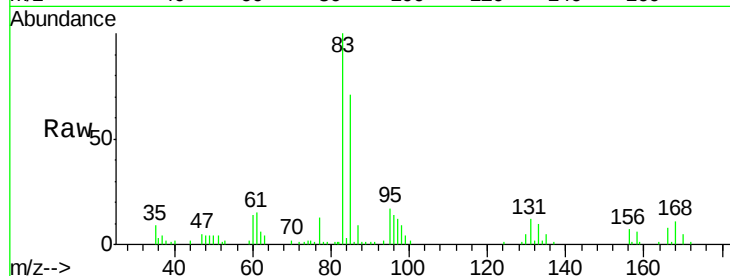
ClientSampleId :

VD1026SBS01

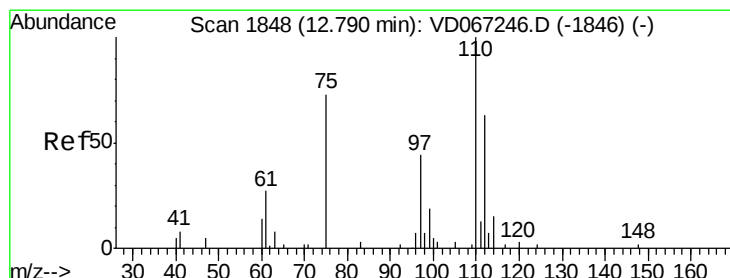
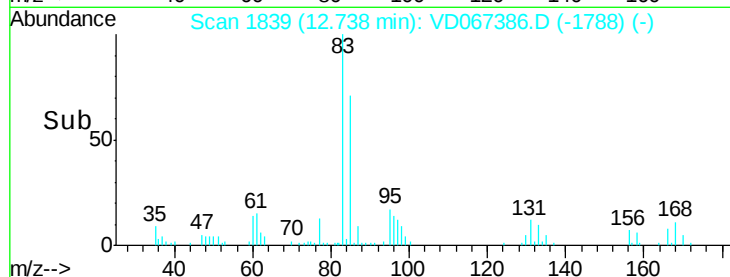
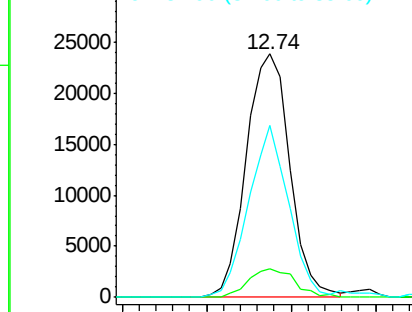
Tot Ion:	83	Resp:	42621
Ion	Ratio	Lower	Upper
83	100		
131	12.5	6.5	19.5
85	64.8	32.6	97.7

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 16.412 ug/l m

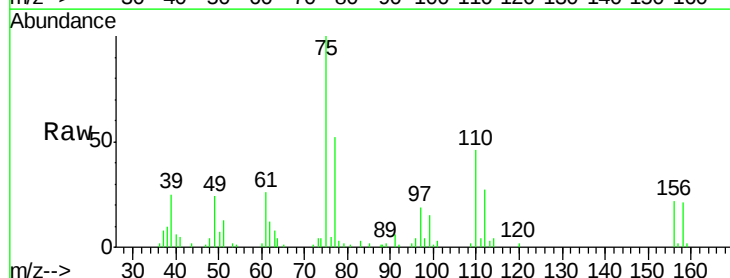
RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

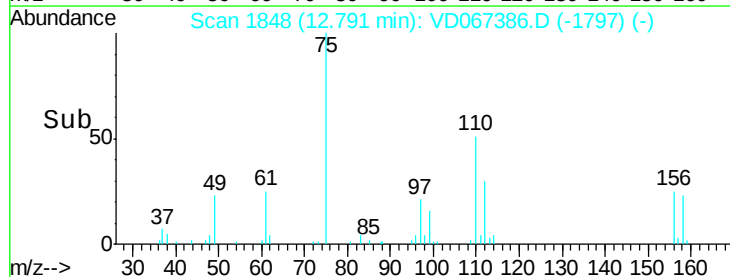
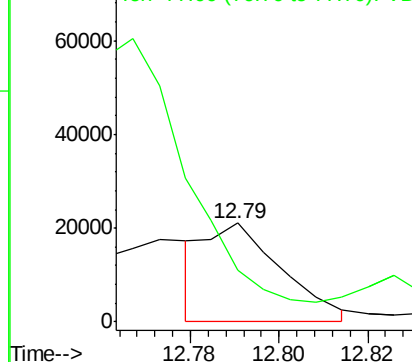
Lab File: VD067386.D

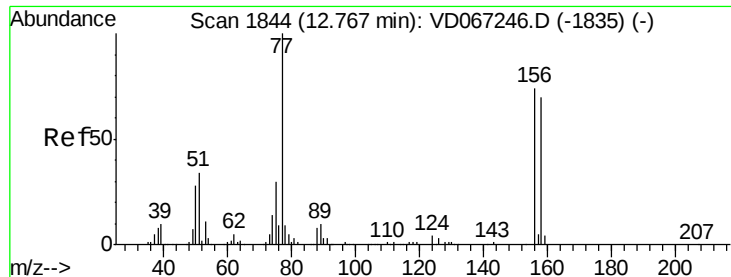
Acq: 26 Oct 2020 12:22

Tgt Ion:	75	Resp:	25127
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 20.895 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

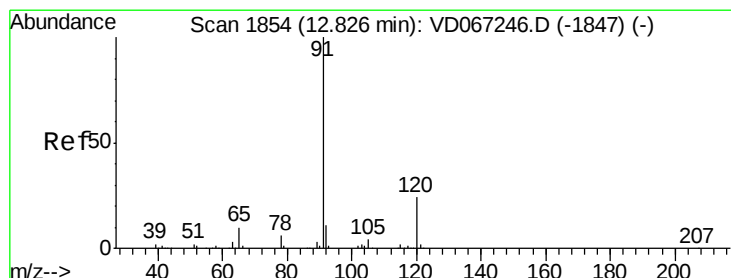
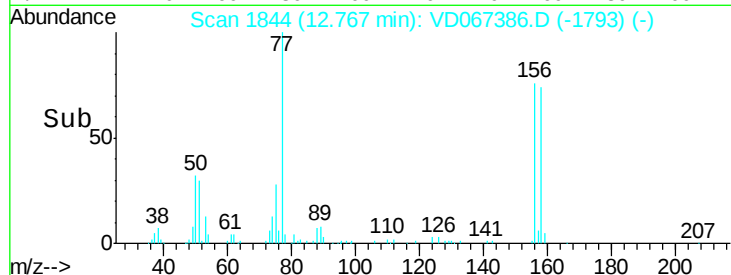
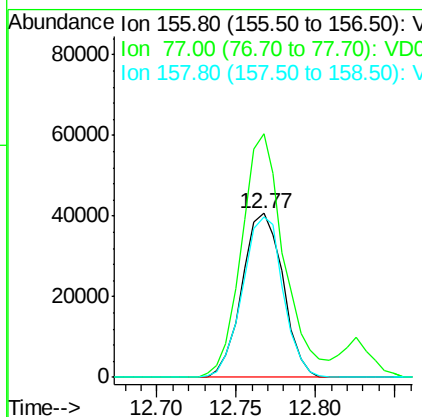
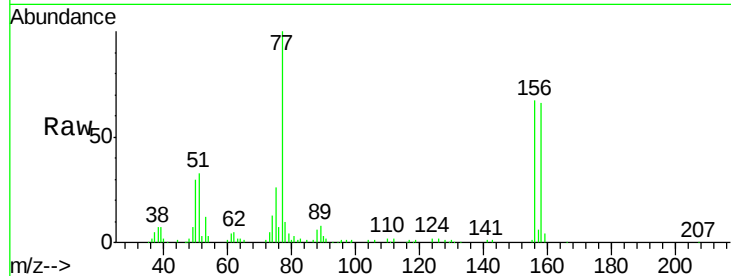
ClientSampleId :

VD1026SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	154.9	78.0	233.8
158	96.8	49.1	147.3

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#78

n-propylbenzene

Concen: 20.882 ug/l

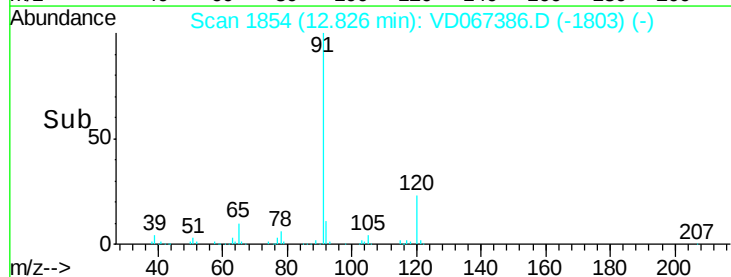
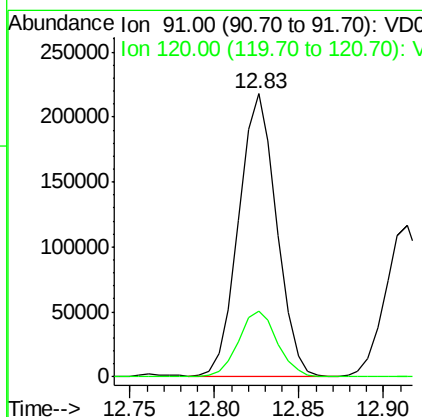
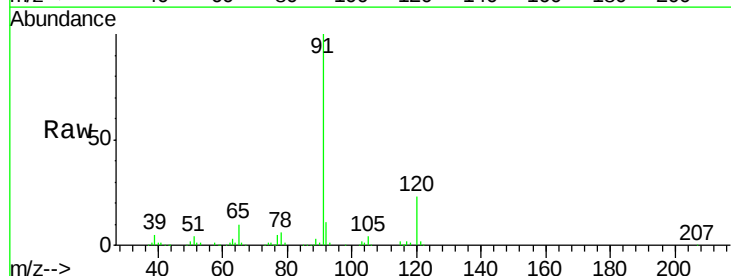
RT: 12.83 min Scan# 1854

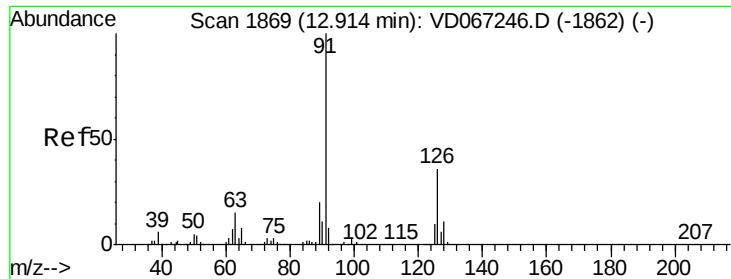
Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.8	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.717 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067386.D

Acq: 26 Oct 2020 12:22

Instrument :

MSVOA_D

ClientSampleId :

VD1026SBS01

Tot Ion: 91 Resp: 195145

Ion Ratio Lower Upper

91 100

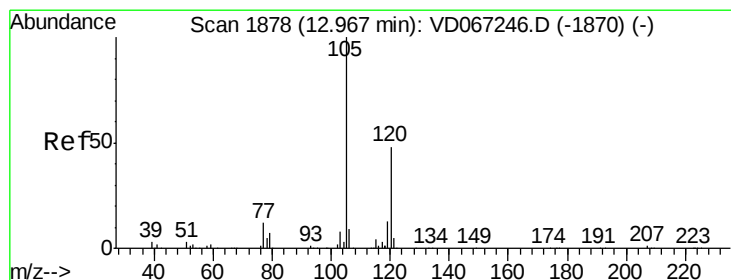
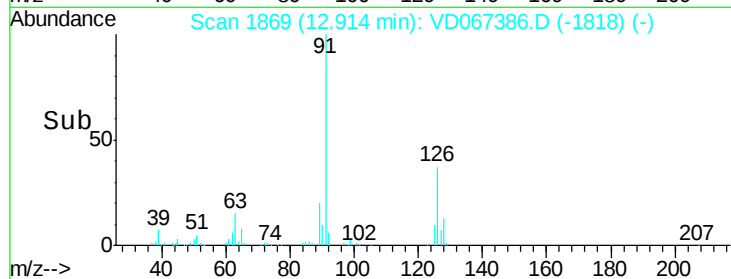
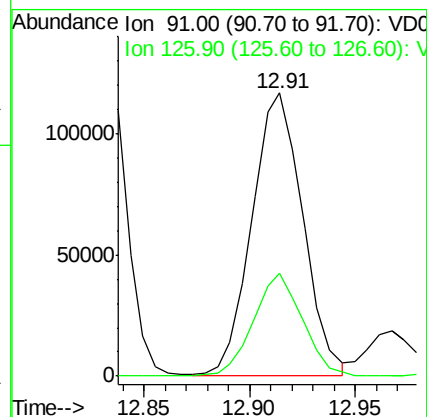
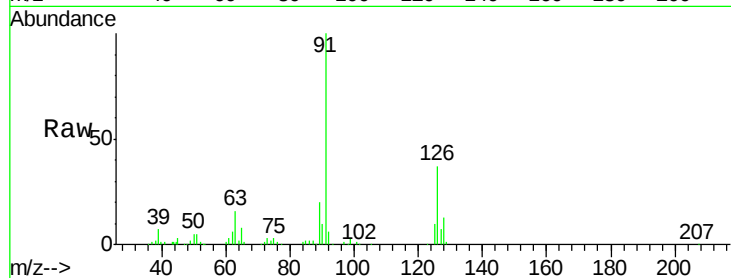
126 35.2 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.348 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067386.D

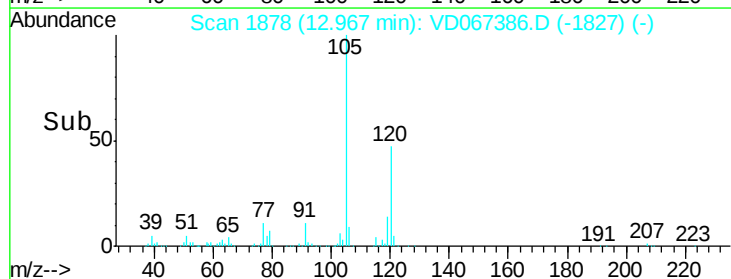
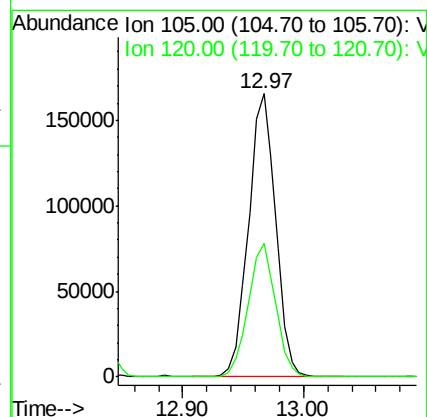
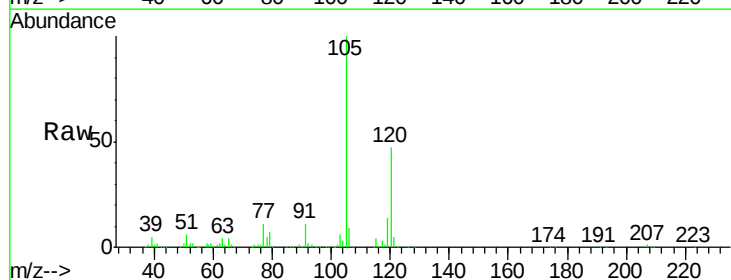
Acq: 26 Oct 2020 12:22

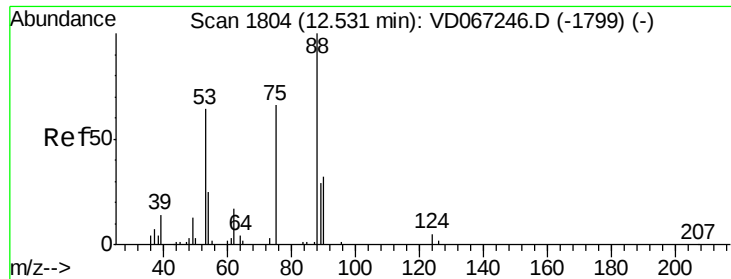
Tgt Ion: 105 Resp: 260075

Ion Ratio Lower Upper

105 100

120 47.6 24.3 72.8





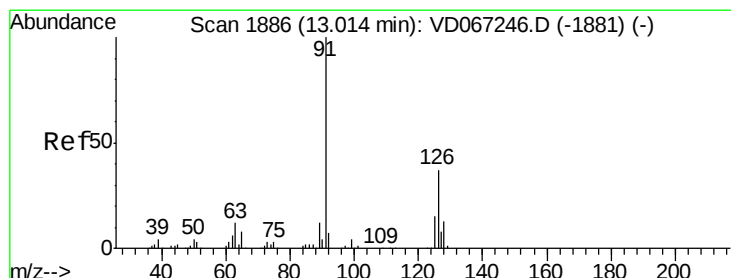
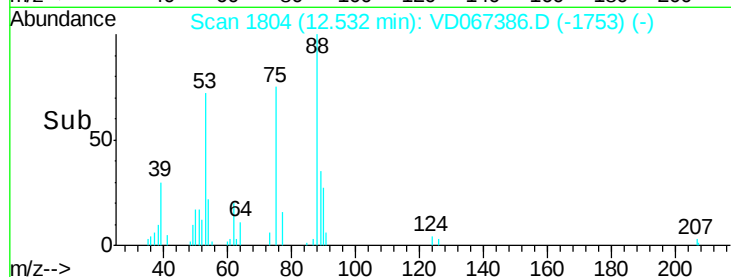
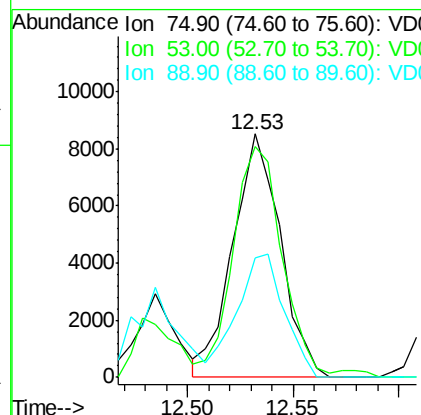
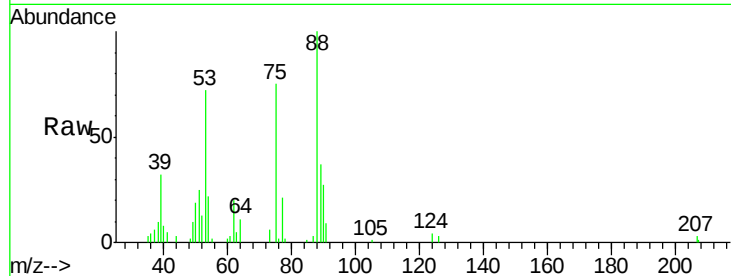
#81
trans-1,4-Dichloro-2-butene
Concen: 19.697 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	78.5	117.7
89	50.8	39.9	59.9

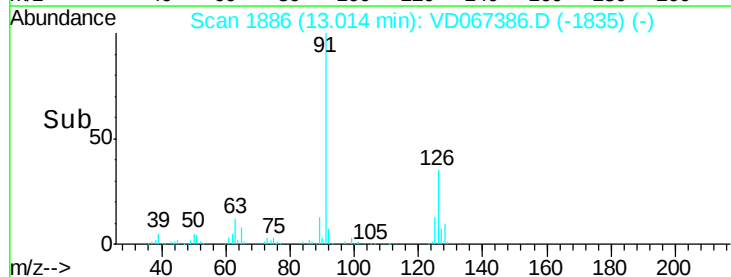
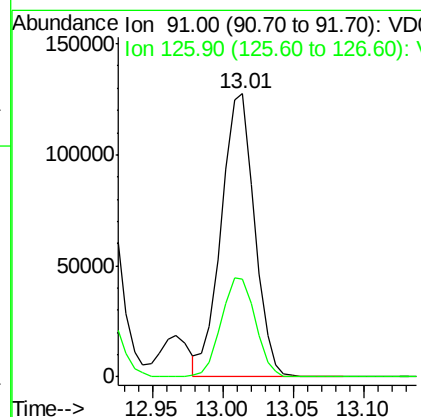
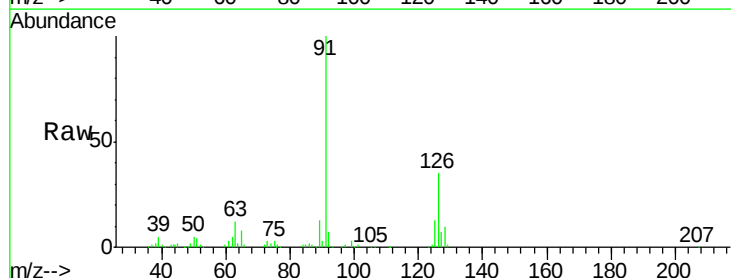
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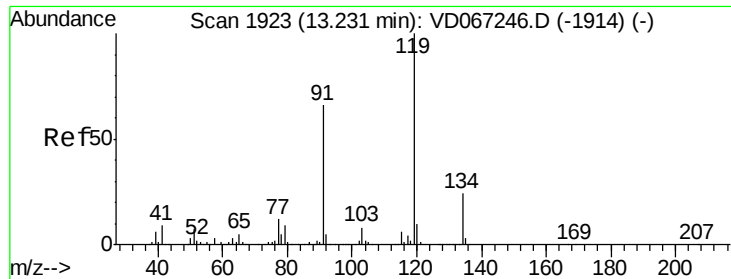
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.884 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.2	17.8	53.5





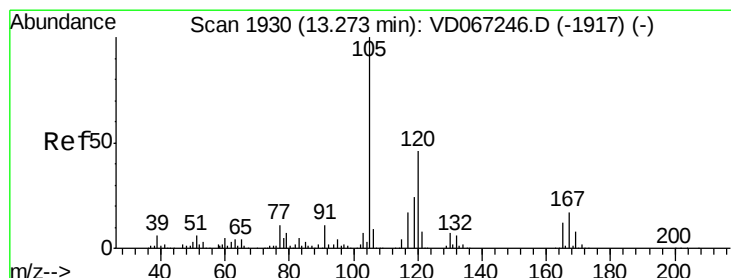
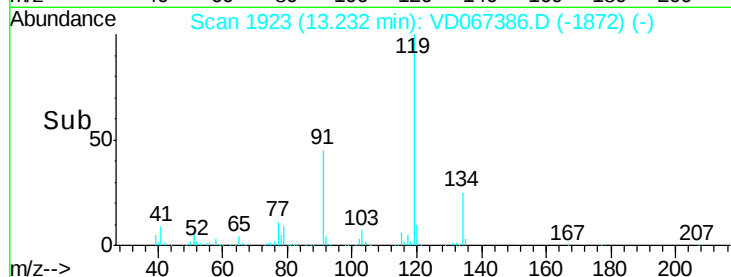
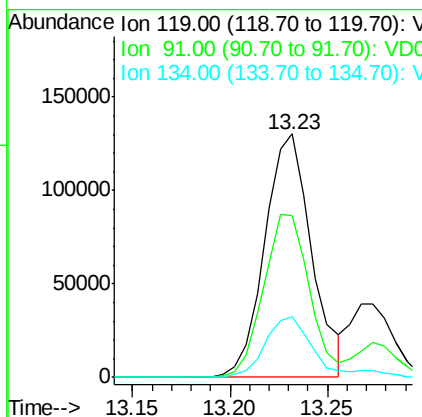
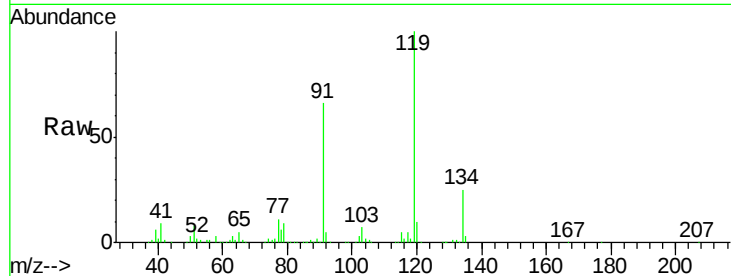
#83
tert-Butylbenzene
Concen: 21.057 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	216698		
91	65.5		33.1	99.2
134	26.2		13.3	39.9

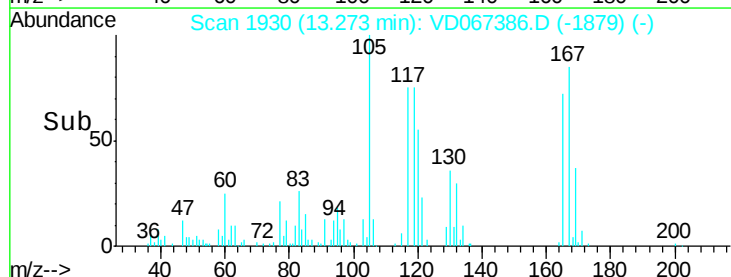
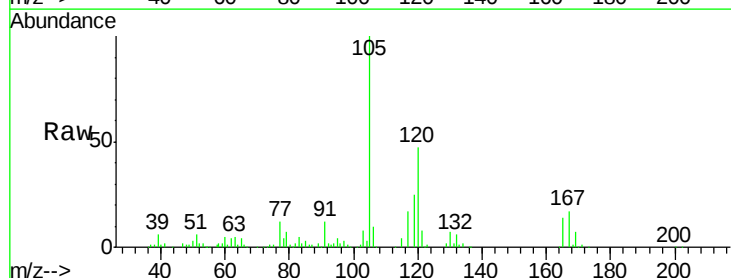
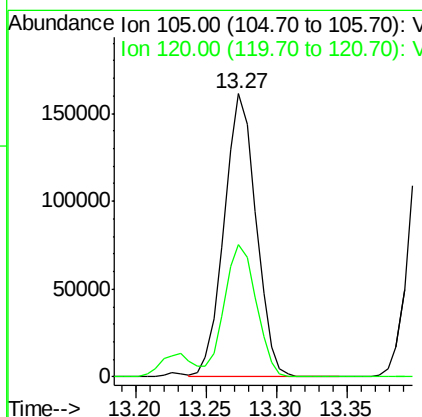
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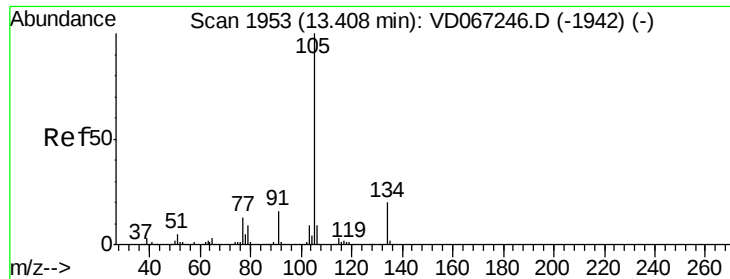
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 21.164 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	254832		
120	46.3		22.4	67.3





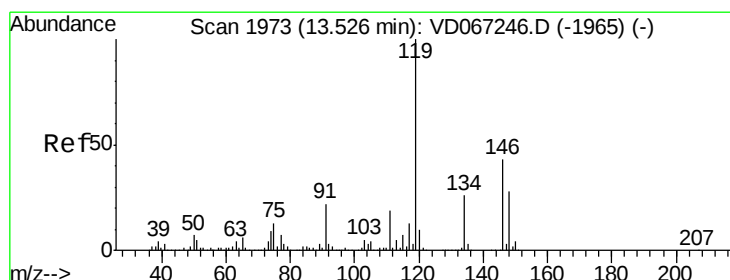
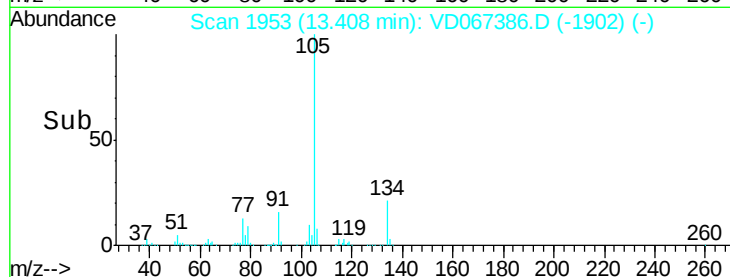
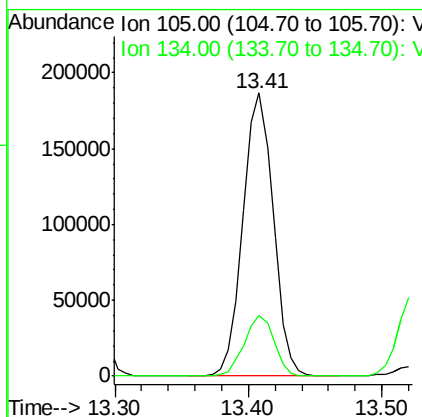
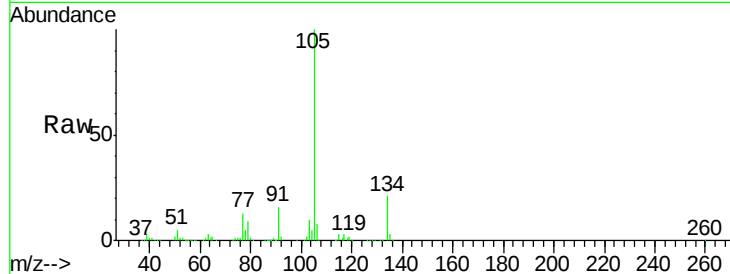
#85
 sec-Butylbenzene
 Concen: 20.731 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.5

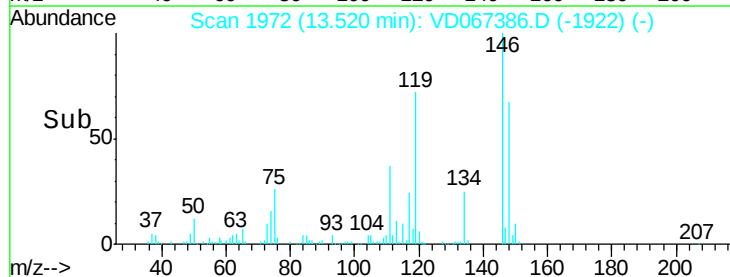
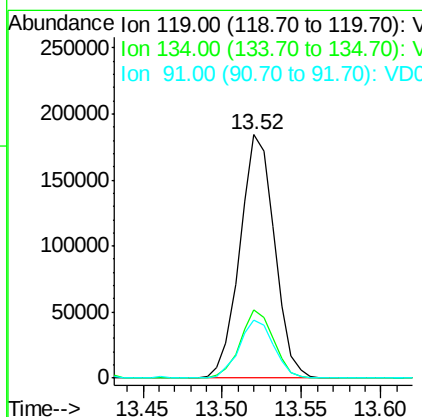
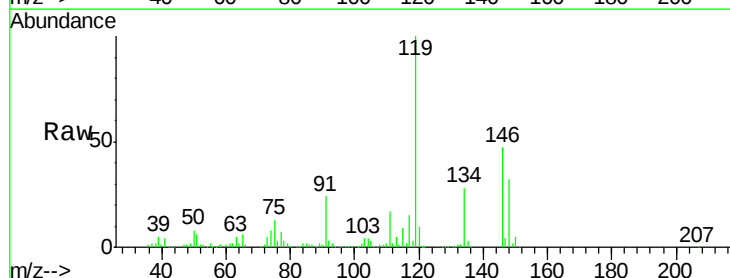
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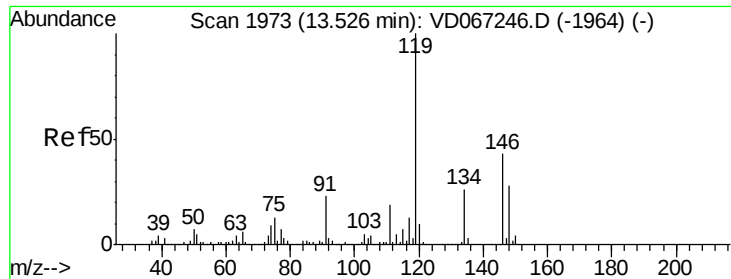
MMDadoda
 10/27/2020 11:45:47 AM



#86
 p-Isopropyltoluene
 Concen: 20.893 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.1	13.1	39.3
91	23.9	11.9	35.9





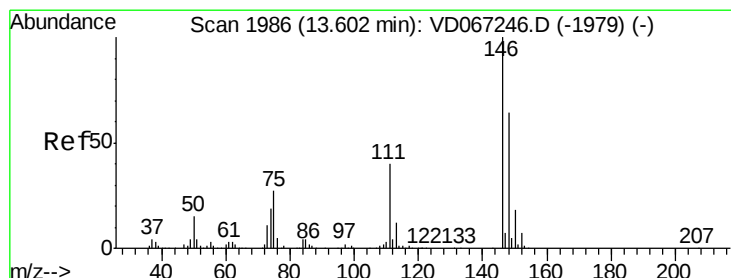
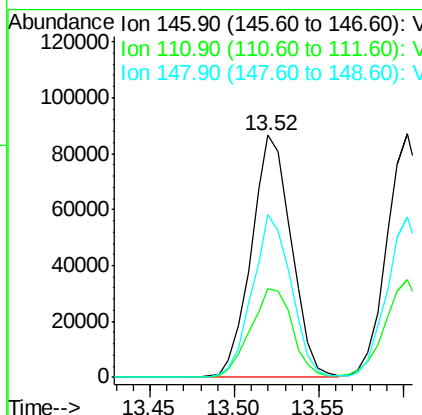
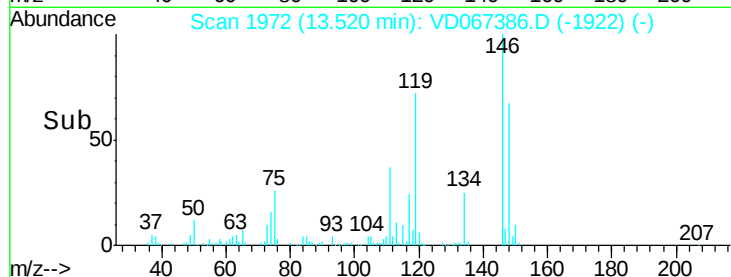
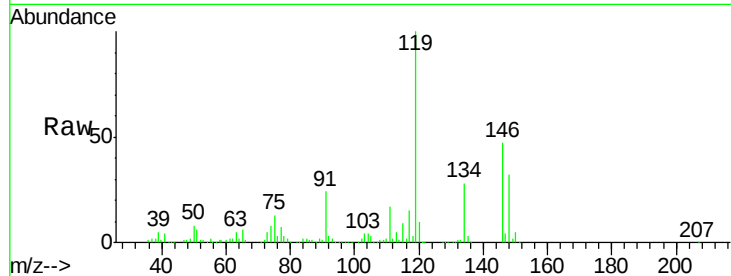
#87
 1,3-Dichlorobenzene
 Concen: 21.207 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	142666		
111	38.2	21.1	63.3	
148	65.3	31.9	95.9	

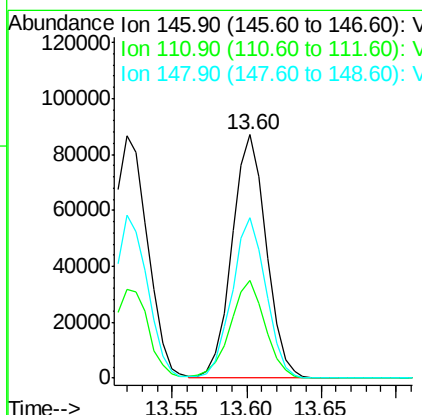
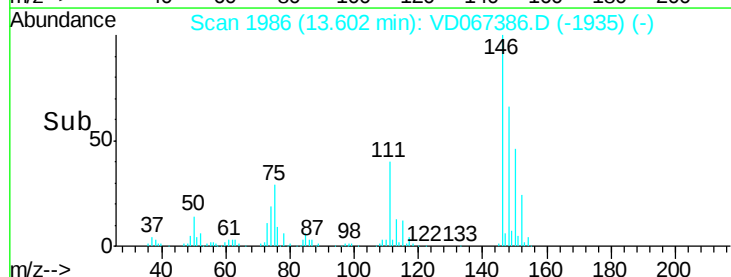
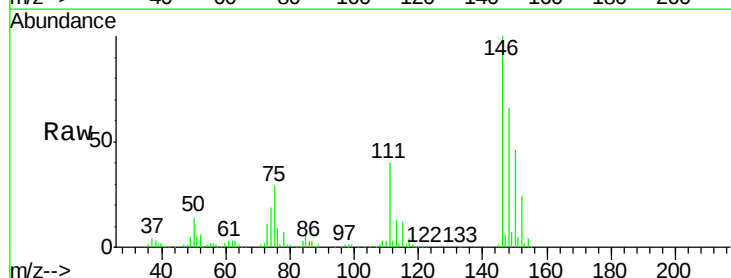
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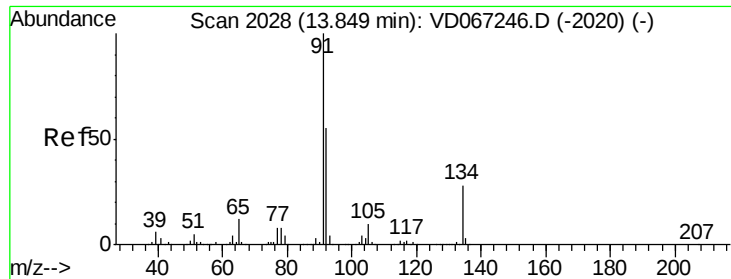
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#88
 1,4-Dichlorobenzene
 Concen: 20.905 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139333		
111	41.0	19.9	59.7	
148	65.6	31.9	95.9	





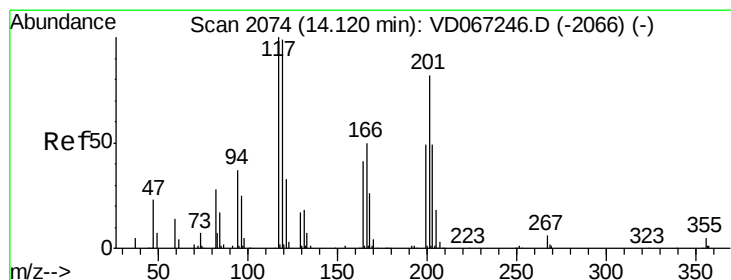
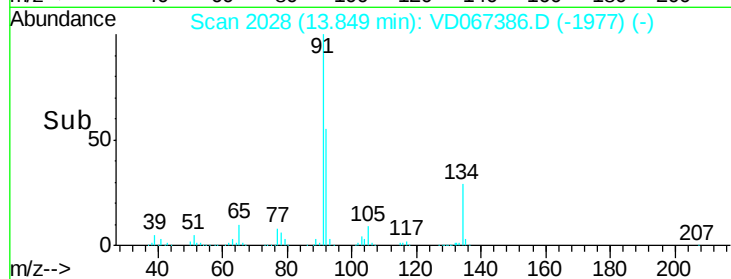
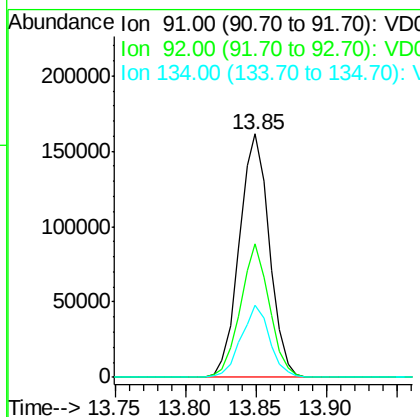
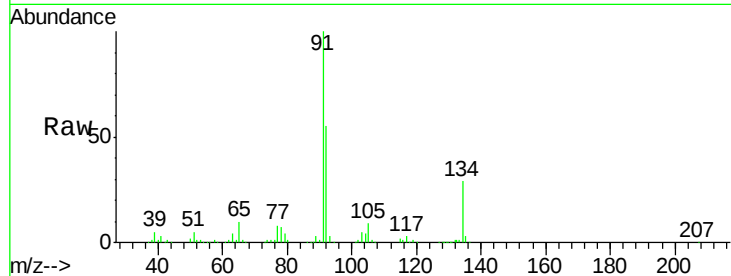
#89
n-Butylbenzene
Concen: 20.502 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	240390		
92	53.1	26.7	80.0	
134	28.0	14.2	42.6	

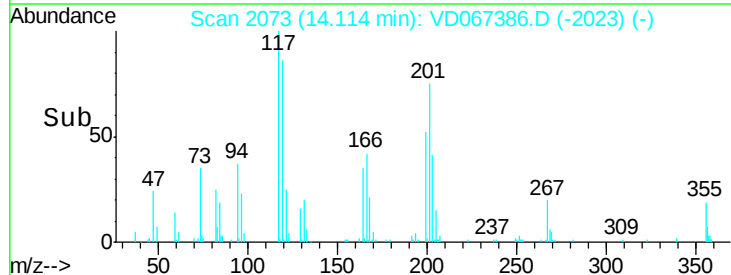
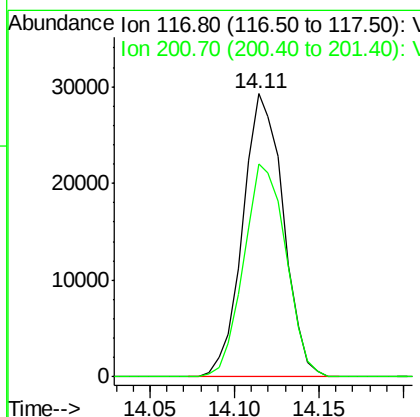
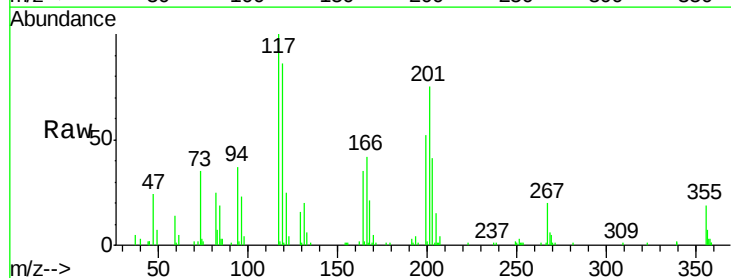
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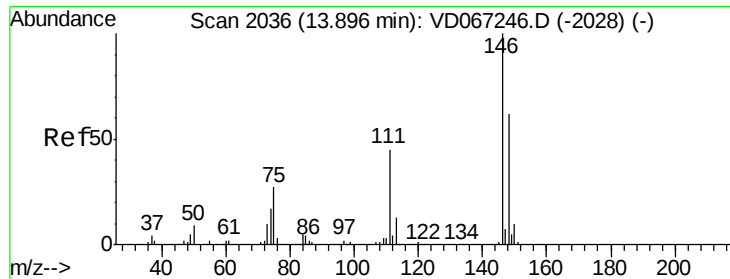
MMDadoda
10/27/2020 11:45:47 AM



#90
Hexachloroethane
Concen: 20.973 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	48780		
201	78.8	40.8	122.2	





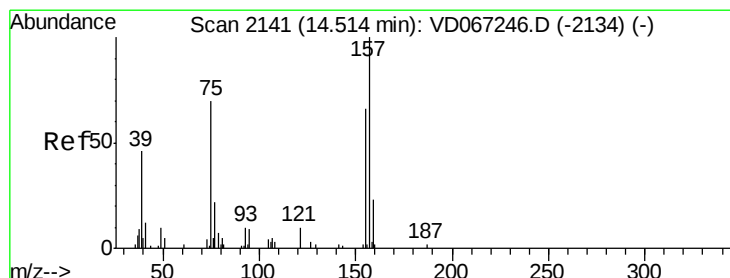
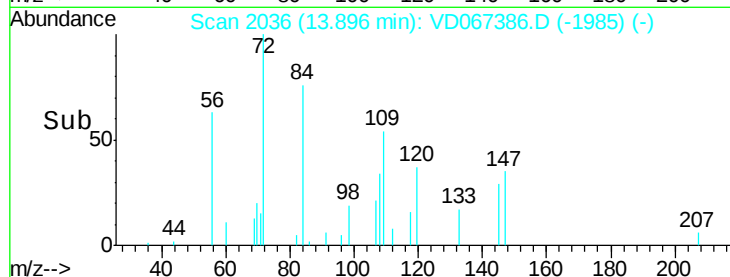
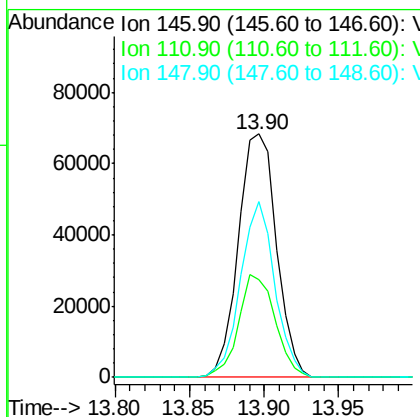
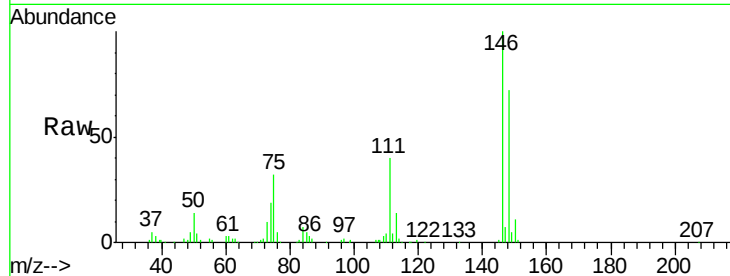
#91
 1,2-Dichlorobenzene
 Concen: 20.608 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	22.0	66.0
148	65.1	32.5	97.5

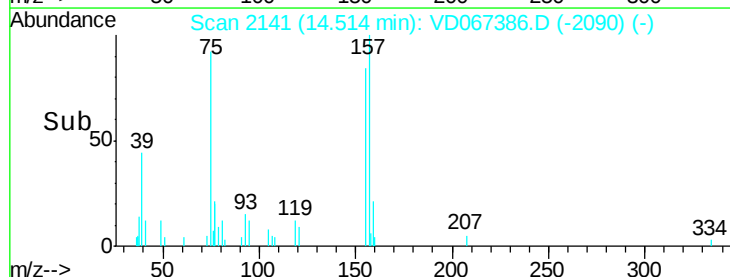
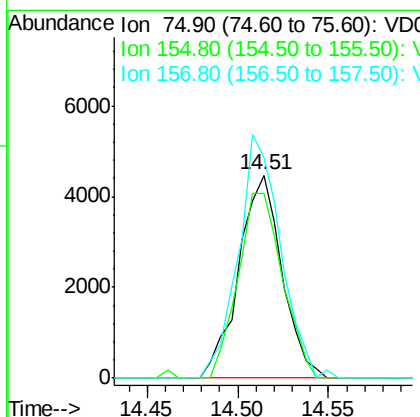
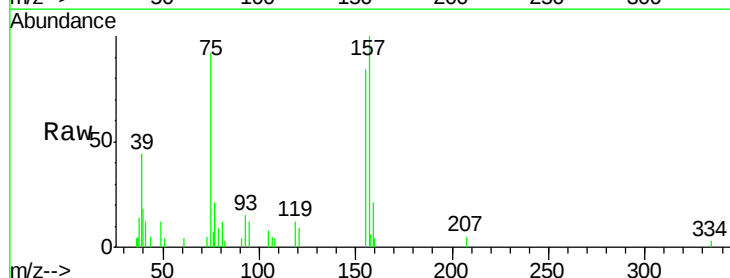
Manual Integrations
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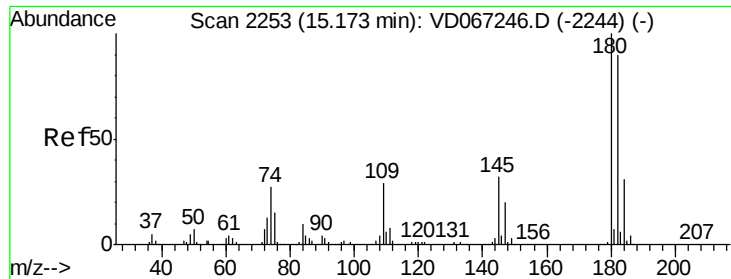
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 10/27/2020 11:45:47 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.980 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.5	44.8	134.4
157	117.4	62.5	187.4





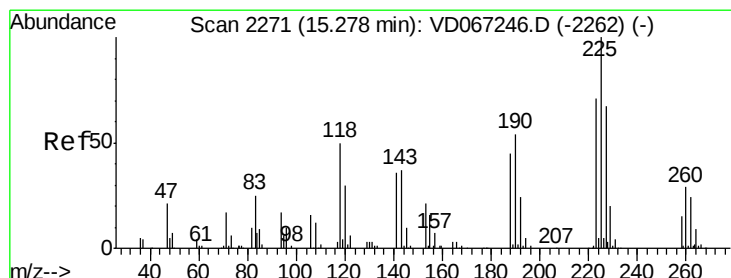
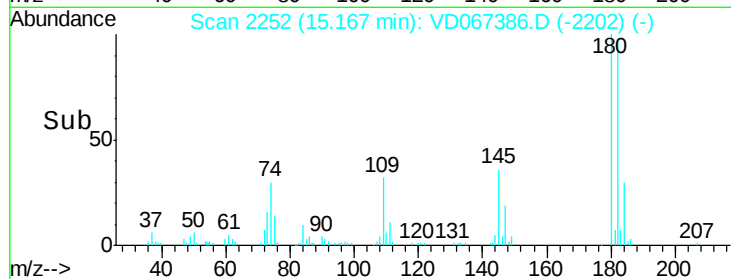
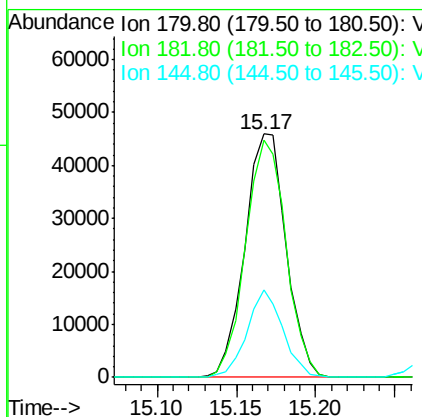
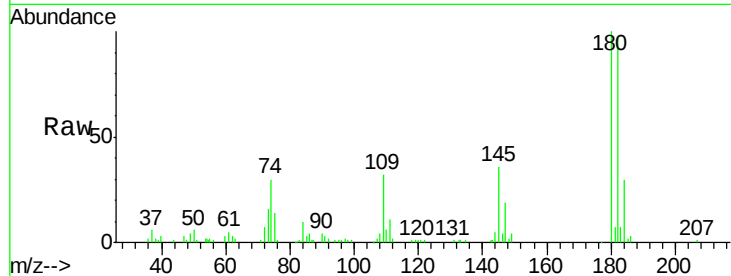
#93
 1,2,4-Trichlorobenzene
 Concen: 20.932 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1026SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	48.1	144.4
145	31.3	16.3	48.9

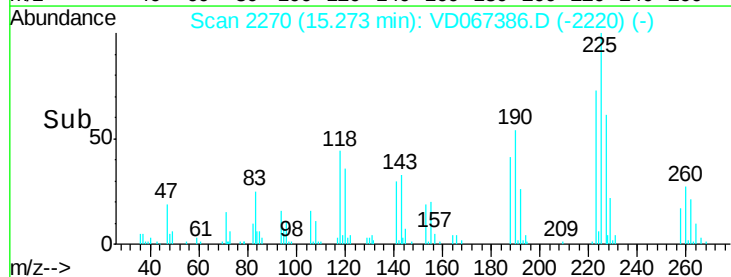
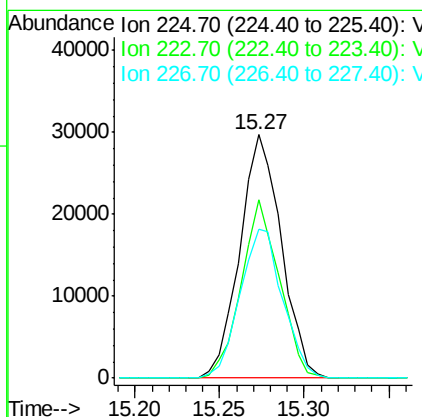
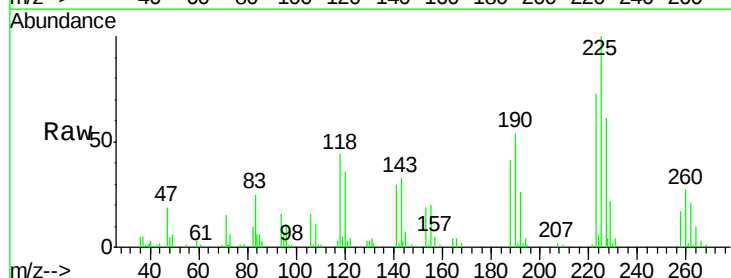
Manual Integrations
 APPROVED

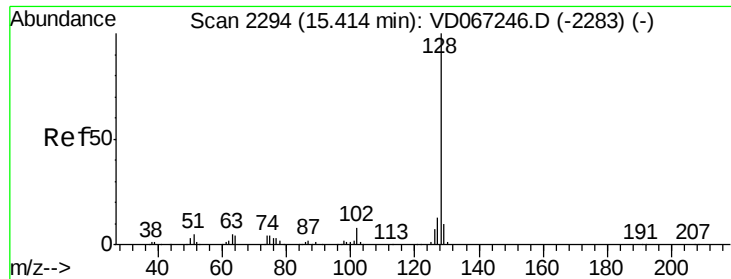
MMDadoda
 10/27/2020 11:45:47 AM



#94
 Hexachlorobutadiene
 Concen: 20.639 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067386.D
 Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
225	100		
223	67.4	31.9	95.7
227	62.9	31.2	93.6





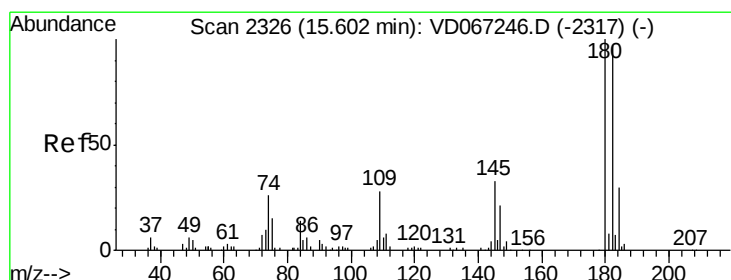
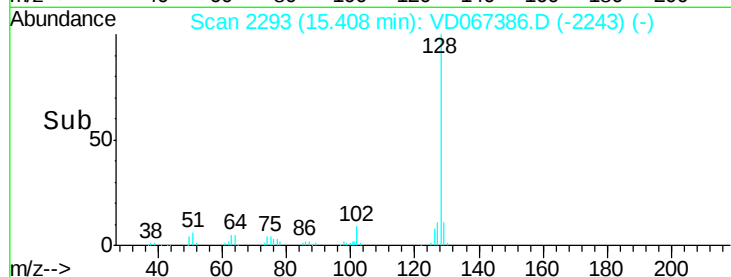
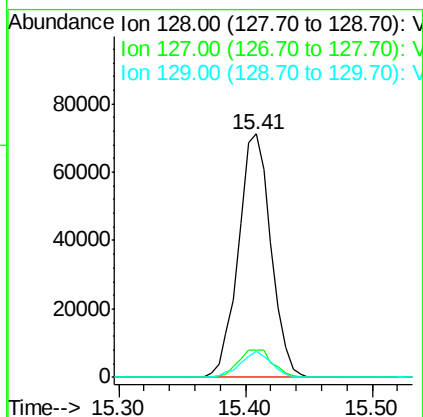
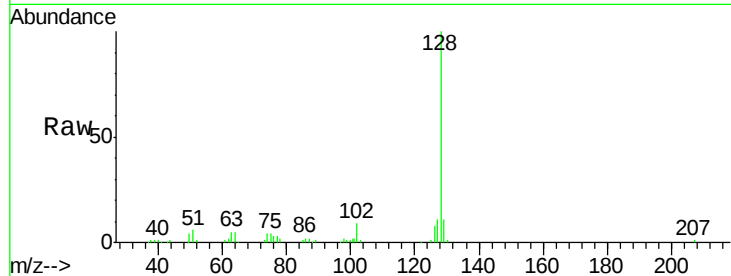
#95
Naphthalene
Concen: 19.440 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Instrument :
MSVOA_D
ClientSampleId :
VD1026SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.4	15.6
129	10.3	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/27/2020 11:45:47 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.277 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067386.D
Acq: 26 Oct 2020 12:22

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	48.1	144.3
145	32.4	17.3	51.9

