

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090220\
 Data File : VD066524.D
 Acq On : 02 Sep 2020 15:53
 Operator : VA/SY
 Sample : VD0902SBSD01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0902SBSD01

Manual Integrations
 APPROVED

MMDadoda
 9/3/2020 4:57:25 PM

Quant Time: Sep 03 03:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	167728	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	228569	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	213708	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	111739	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	95326	52.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.70%	
35) Dibromofluoromethane	7.91	113	74083	53.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.78%	
50) Toluene-d8	10.34	98	286067	55.42	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.84%	
62) 4-Bromofluorobenzene	12.63	95	100308	54.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.02%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	30477	21.299	ug/l	90
3) Chloromethane	2.21	50	18961	22.042	ug/l	100
4) Vinyl Chloride	2.35	62	22339	21.295	ug/l	90
5) Bromomethane	2.76	94	18519	21.600	ug/l	95
6) Chloroethane	2.91	64	14325	20.298	ug/l	92
7) Trichlorofluoromethane	3.27	101	64950	20.312	ug/l	99
8) Diethyl Ether	3.70	74	12211	20.375	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	28049	21.063	ug/l	95
10) Methyl Iodide	4.30	142	28601	19.370	ug/l	100
11) Tert butyl alcohol	5.21	59	12328m	102.125	ug/l	
12) 1,1-Dichloroethene	4.06	96	26436	21.125	ug/l	83
13) Acrolein	3.92	56	5764	98.378	ug/l	96
14) Allyl chloride	4.71	41	30410	21.740	ug/l	95
15) Acrylonitrile	5.41	53	22494	104.663	ug/l	95
16) Acetone	4.16	43	26180	98.137	ug/l	93
17) Carbon Disulfide	4.40	76	74401	20.573	ug/l #	93
18) Methyl Acetate	4.72	43	9137	21.331	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	66168	20.264	ug/l	95
20) Methylene Chloride	4.96	84	35774	24.555	ug/l #	83
21) trans-1,2-Dichloroethene	5.47	96	30746	21.480	ug/l	88
22) Diisopropyl ether	6.37	45	57398	20.473	ug/l #	90
23) Vinyl Acetate	6.30	43	188306	104.475	ug/l	98
24) 1,1-Dichloroethane	6.26	63	45858	20.827	ug/l	95
25) 2-Butanone	7.21	43	27183	98.449	ug/l	98
26) 2,2-Dichloropropane	7.20	77	57423	20.582	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	33575	21.630	ug/l	93
28) Bromochloromethane	7.54	49	12227	19.194	ug/l #	94
29) Tetrahydrofuran	7.56	42	14465	101.909	ug/l	98
30) Chloroform	7.70	83	58439	20.554	ug/l	88
31) Cyclohexane	7.98	56	38791	21.144	ug/l	88
32) 1,1,1-Trichloroethane	7.90	97	64521	20.376	ug/l	98
36) 1,1-Dichloropropene	8.11	75	43371	21.646	ug/l	97
37) Ethyl Acetate	7.29	43	12459	20.715	ug/l #	83
38) Carbon Tetrachloride	8.09	117	62535	20.488	ug/l	95

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Manual Integrations
 APPROVED

MMDadoda
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Quant Time: Sep 03 03:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 02 15:08:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	47674	20.366	ug/l	90
40) Benzene	8.35	78	108505	20.993	ug/l	95
41) Methacrylonitrile	7.51	41	5304	16.950	ug/l #	90
42) 1,2-Dichloroethane	8.42	62	44753	20.467	ug/l	94
43) Isopropyl Acetate	8.45	43	25252	20.043	ug/l #	60
44) Trichloroethene	9.10	130	37192	20.848	ug/l	97
45) 1,2-Dichloropropane	9.38	63	21638	21.100	ug/l	89
46) Dibromomethane	9.47	93	14778	19.683	ug/l	93
47) Bromodichloromethane	9.66	83	43420	19.458	ug/l	96
48) Methyl methacrylate	9.45	41	12844	20.004	ug/l	93
49) 1,4-Dioxane	9.46	88	3036	349.347	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	57705	99.607	ug/l	96
52) Toluene	10.40	92	77165	20.989	ug/l	98
53) t-1,3-Dichloropropene	10.62	75	40310	19.772	ug/l	90
54) cis-1,3-Dichloropropene	10.08	75	44256	20.605	ug/l	95
55) 1,1,2-Trichloroethane	10.80	97	19761	20.830	ug/l	91
56) Ethyl methacrylate	10.66	69	22719	20.348	ug/l	98
57) 1,3-Dichloropropane	10.94	76	32924	21.015	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.94	63	49208	112.906	ug/l	97
59) 2-Hexanone	10.98	43	43433	103.806	ug/l	100
60) Dibromochloromethane	11.14	129	33951	21.642	ug/l	98
61) 1,2-Dibromoethane	11.24	107	19761	20.435	ug/l	97
64) Tetrachloroethene	10.87	164	33757	20.260	ug/l	94
65) Chlorobenzene	11.67	112	87094	20.714	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	37317	20.977	ug/l	97
67) Ethyl Benzene	11.74	91	154615	20.876	ug/l	99
68) m/p-Xylenes	11.86	106	121737	42.482	ug/l	100
69) o-Xylene	12.18	106	54143	19.946	ug/l	97
70) Styrene	12.20	104	95939	20.644	ug/l	97
71) Bromoform	12.36	173	19862	20.356	ug/l #	92
73) Isopropylbenzene	12.48	105	158140	21.180	ug/l	98
74) N-amyl acetate	12.29	43	22195	19.714	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	17708	20.071	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	14590m	20.756	ug/l	
77) Bromobenzene	12.76	156	40143	21.187	ug/l	97
78) n-propylbenzene	12.82	91	176997	21.754	ug/l	98
79) 2-Chlorotoluene	12.91	91	98481	20.920	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	137677	21.209	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	6121	19.392	ug/l	91
82) 4-Chlorotoluene	13.01	91	106185	21.000	ug/l	98
83) tert-Butylbenzene	13.23	119	117185	20.582	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	132899	20.470	ug/l	98
85) sec-Butylbenzene	13.40	105	149066	20.666	ug/l	100
86) p-Isopropyltoluene	13.52	119	152694	21.180	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	76150	21.670	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	74056	20.832	ug/l	97
89) n-Butylbenzene	13.84	91	124991	20.698	ug/l	97
90) Hexachloroethane	14.11	117	26752	20.678	ug/l	93
91) 1,2-Dichlorobenzene	13.89	146	64765	21.189	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	4602	19.723	ug/l	91

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ClientSampleId :
VD0902SBSD01

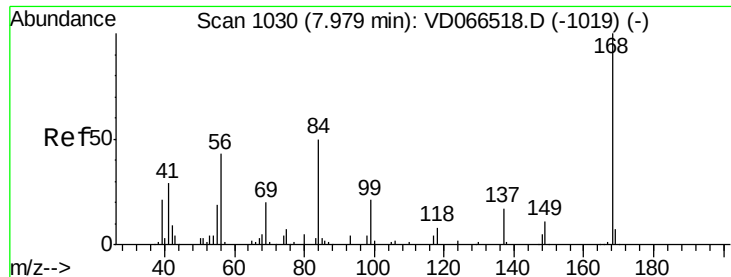
Manual Integrations
APPROVED

MMDadoda
9/3/2020 4:57:25 PM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090220S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 02 15:08:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	49272	20.423	ug/l	94
94) Hexachlorobutadiene	15.27	225	32065	20.503	ug/l	100
95) Naphthalene	15.41	128	76960	20.522	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	43527	20.880	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBSD01

Tot Ion:168 Resp: 167728

Ion Ratio Lower Upper

168 100

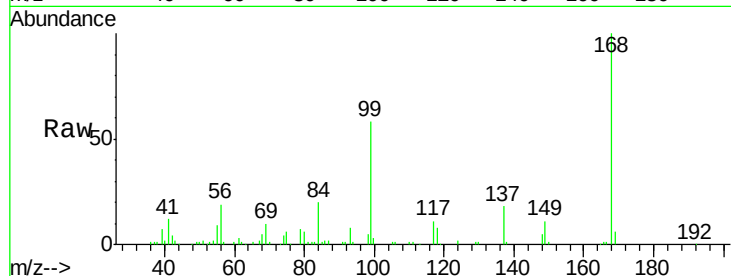
99 57.3 45.1 67.7

Manual Integrations

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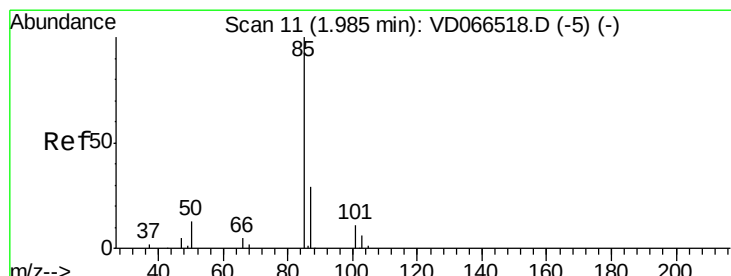
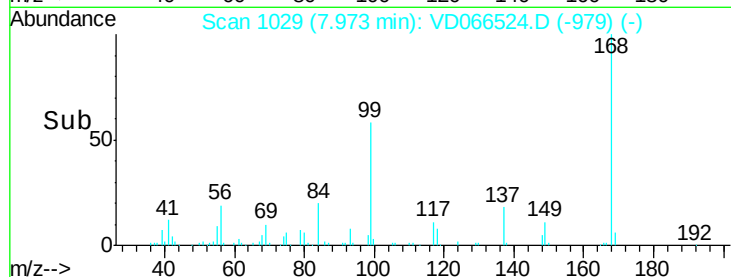
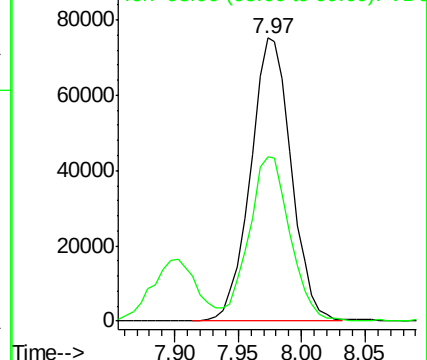
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 21.299 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD066524.D

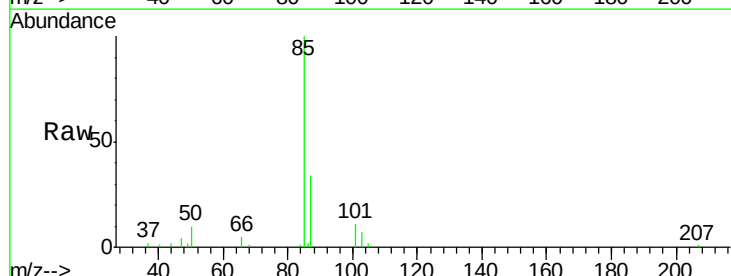
Acq: 02 Sep 2020 15:53

Tgt Ion: 85 Resp: 30477

Ion Ratio Lower Upper

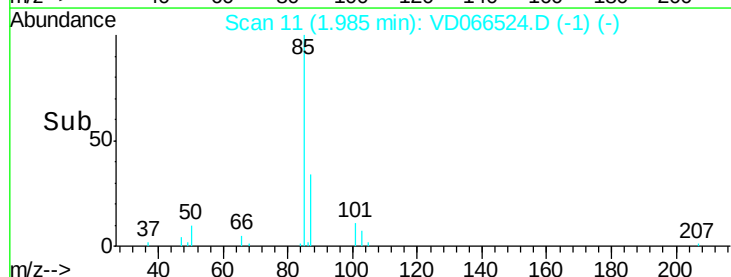
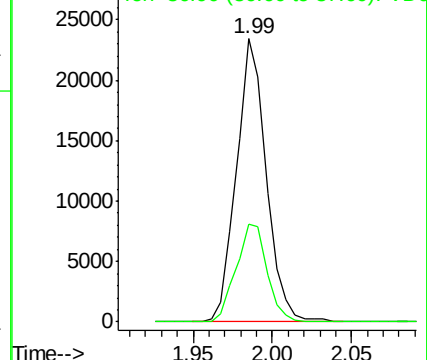
85 100

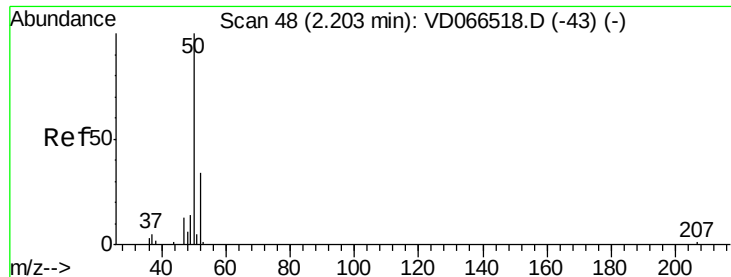
87 34.4 14.6 44.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 22.042 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBSD01

Tot Ion: 50 Resp: 18961

Ion Ratio Lower Upper

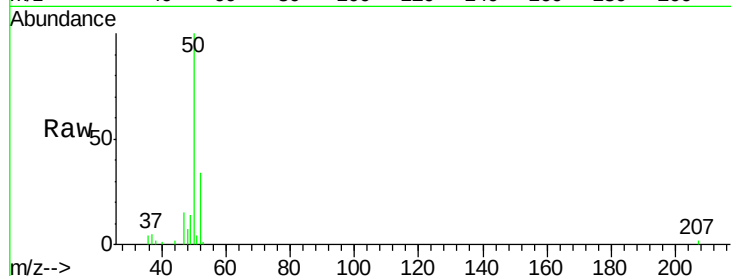
50 100

52 34.4 27.6 41.4

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

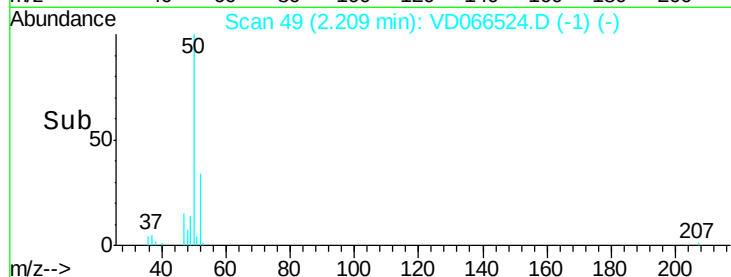
15000

10000

5000

0

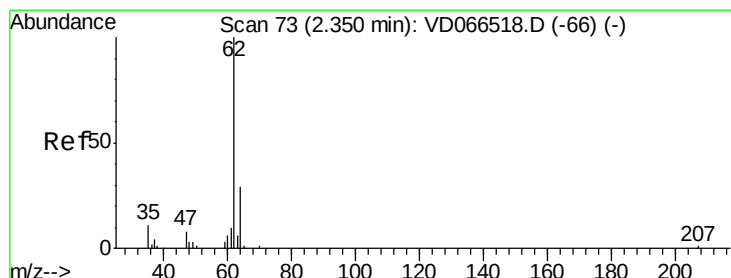
Time-->



2.21

2.20

2.25



#4

Vinyl Chloride

Concen: 21.295 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD066524.D

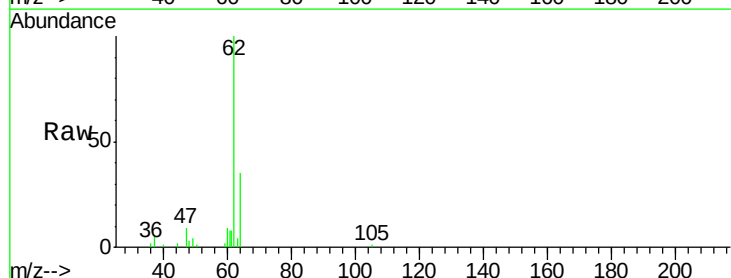
Acq: 02 Sep 2020 15:53

Tgt Ion: 62 Resp: 22339

Ion Ratio Lower Upper

62 100

64 34.6 23.4 35.2



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

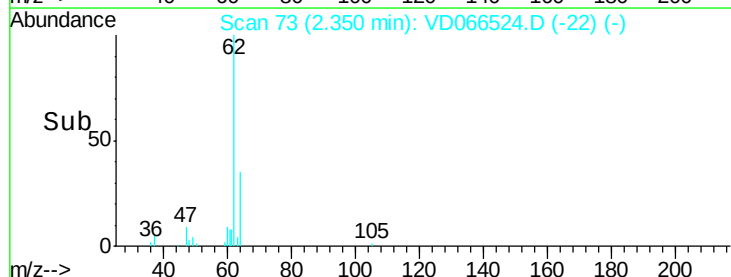
15000

10000

5000

0

Time-->

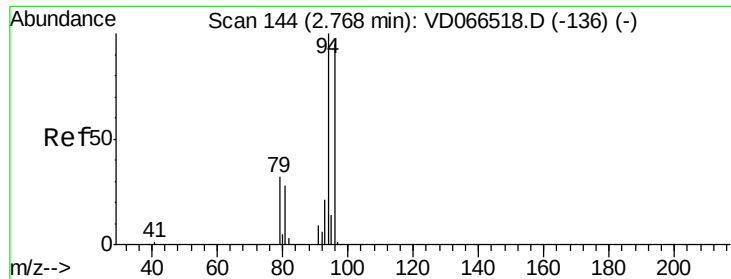


2.35

2.30

2.40

2.45



#5

Bromomethane

Concen: 21.600 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBSD01

Tot Ion: 94 Resp: 18519

Ion Ratio Lower Upper

94 100

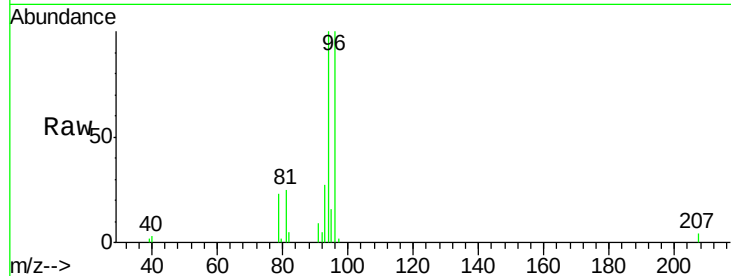
96 99.9 75.8 113.8

Manual Integrations

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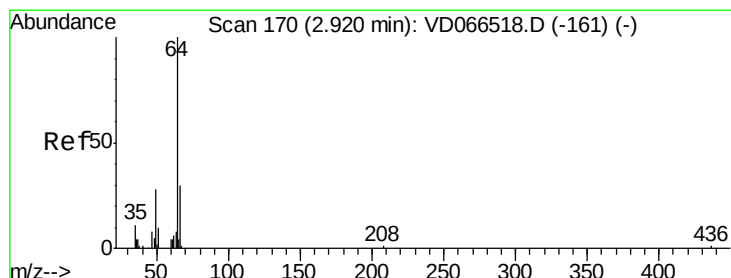
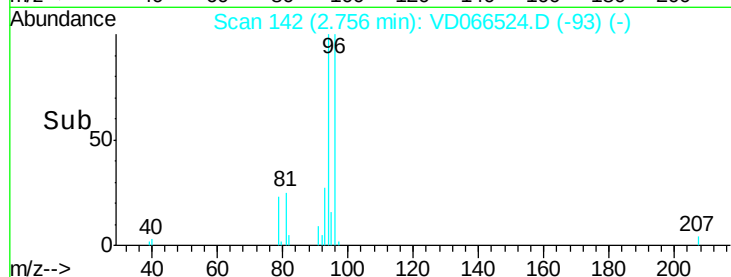
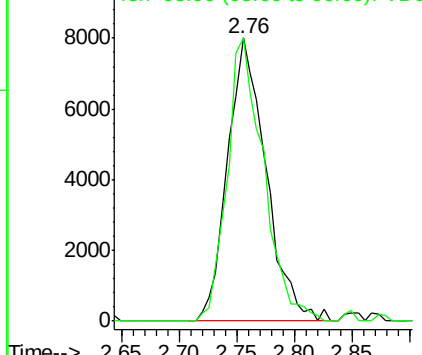
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.298 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD066524.D

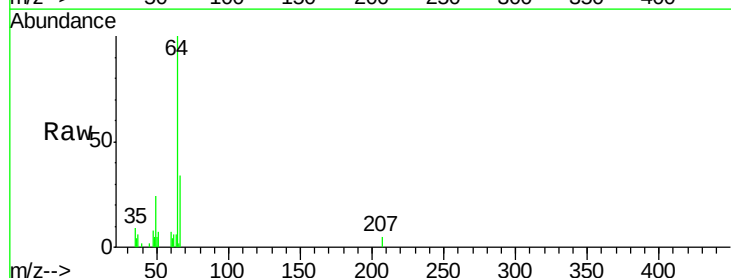
Acq: 02 Sep 2020 15:53

Tgt Ion: 64 Resp: 14325

Ion Ratio Lower Upper

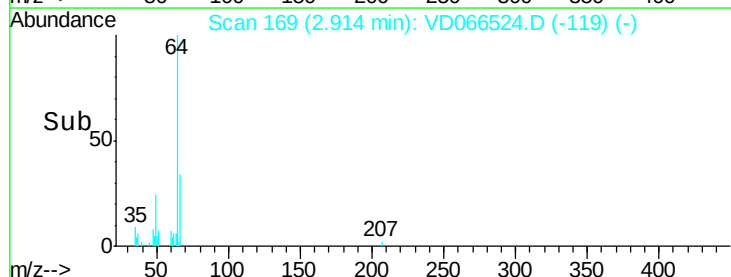
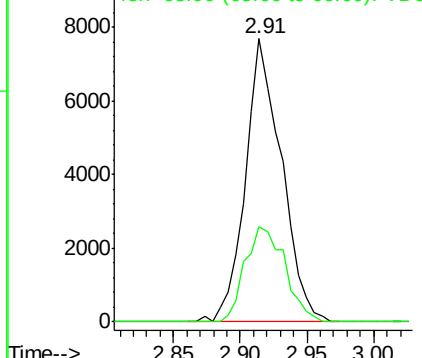
64 100

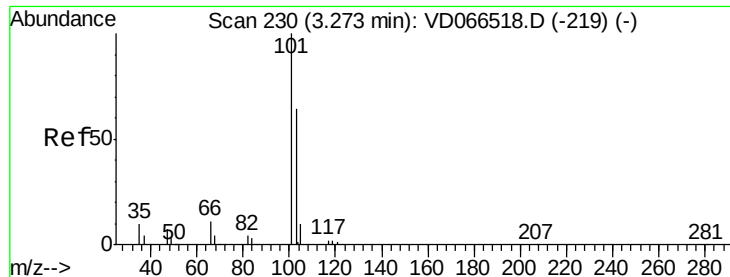
66 33.7 23.7 35.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

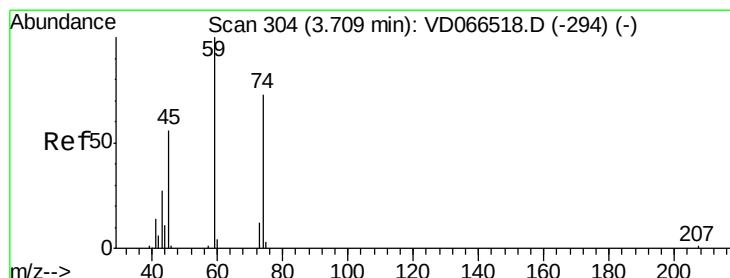
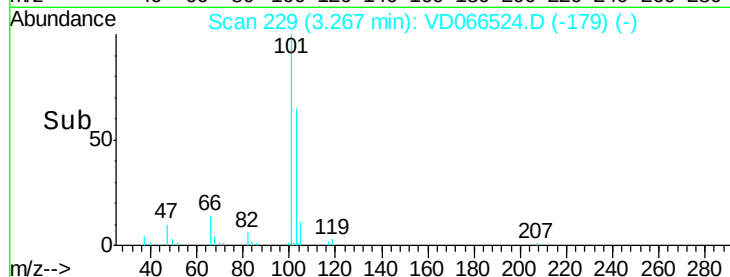
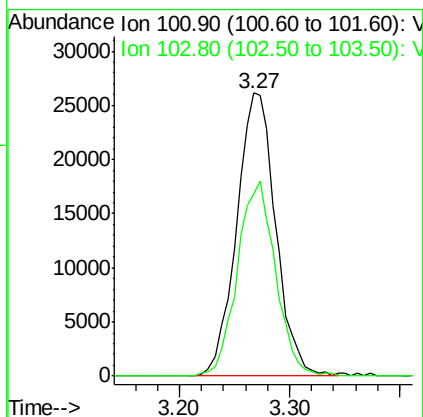
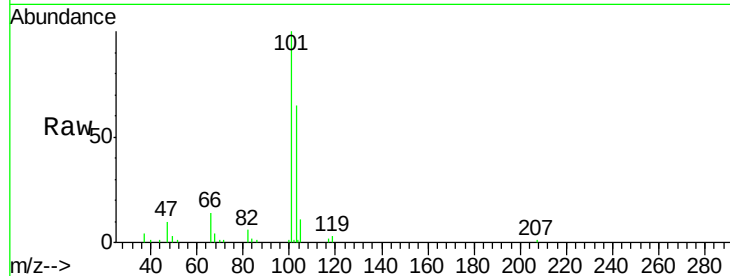
Trichlorofluoromethane
 Concen: 20.312 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
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 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.9	76.3

Manual Integrations
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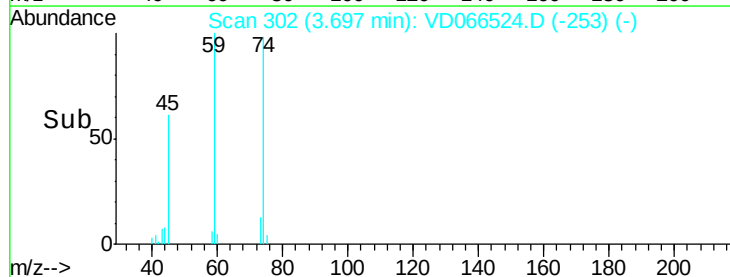
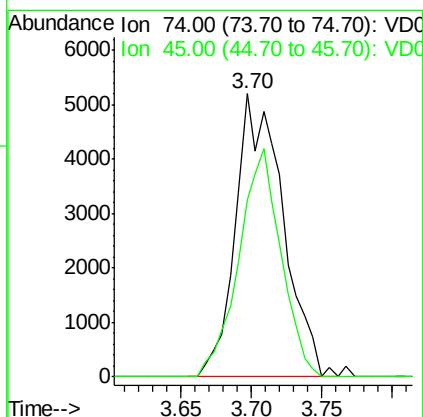
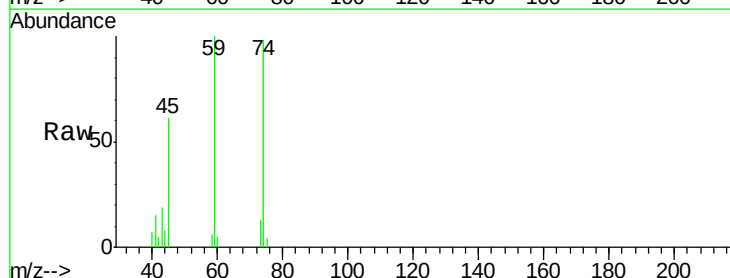
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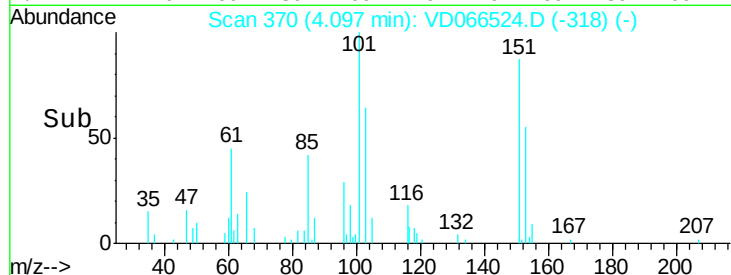
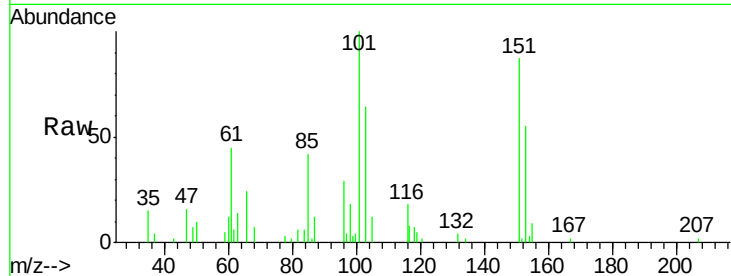
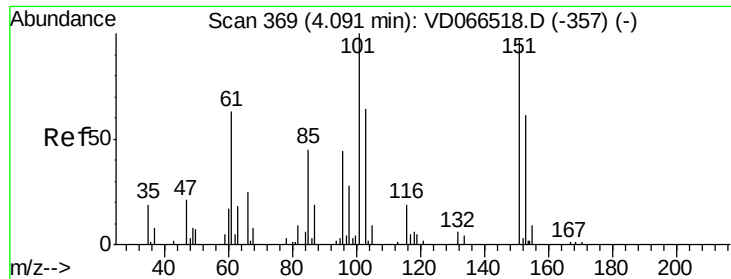


#8

Diethyl Ether
 Concen: 20.375 ug/l
 RT: 3.70 min Scan# 302
 Delta R.T. -0.01 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	71.6	38.6	115.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.063 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion:101 Resp: 28049

Ion Ratio Lower Upper

101 100

85 43.5 39.4 59.0

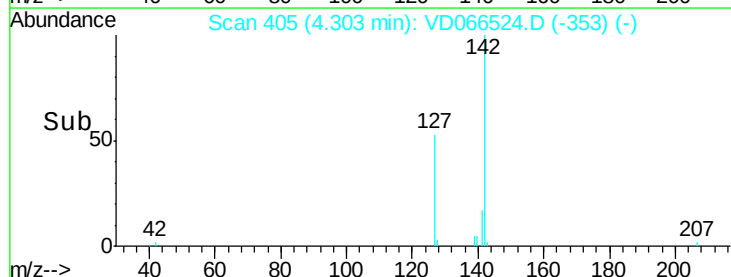
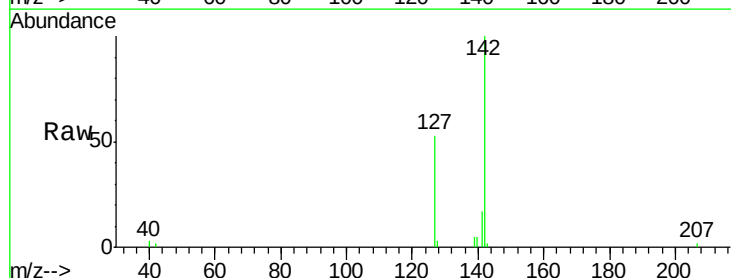
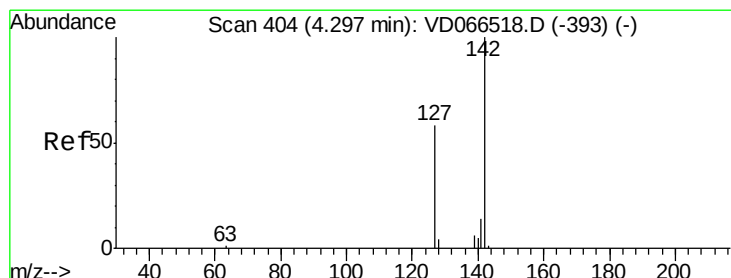
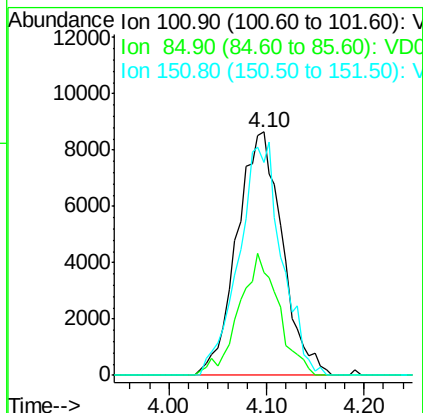
151 90.9 75.5 113.3

Manual Integrations

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#10

Methyl Iodide

Concen: 19.370 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

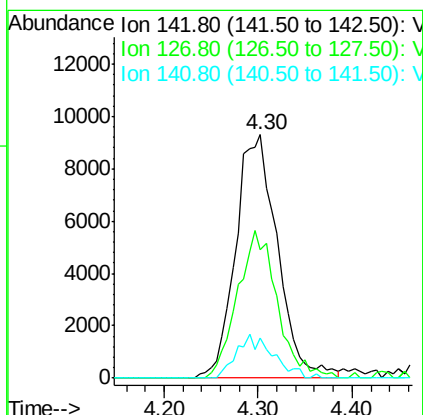
Tgt Ion:142 Resp: 28601

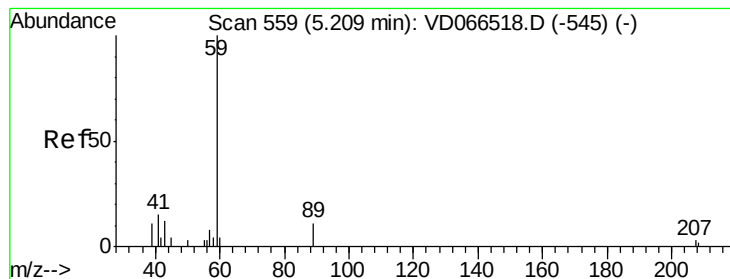
Ion Ratio Lower Upper

142 100

127 57.8 46.3 69.5

141 15.5 12.4 18.6





#11

Tert butyl alcohol

Concen: 102.125 ug/l m

RT: 5.21 min Scan# 560

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 59 Resp: 12328

Ion Ratio Lower Upper

59 100

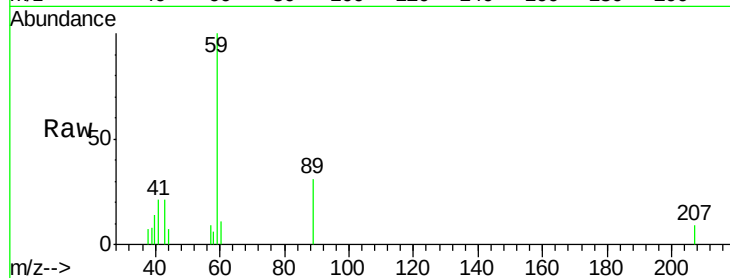
57 0.0 6.8 10.2#

Manual Integrations

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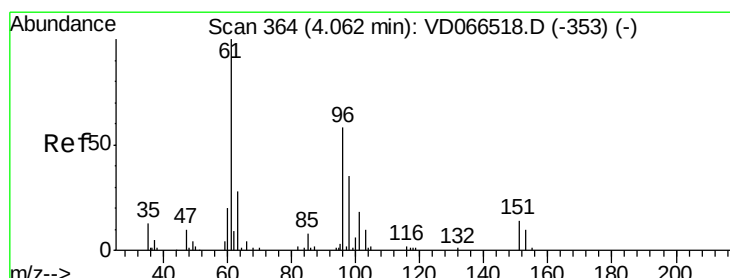
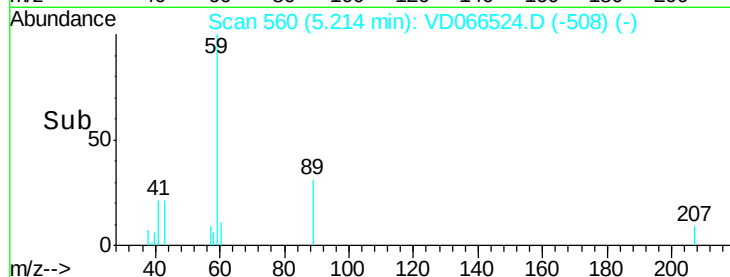
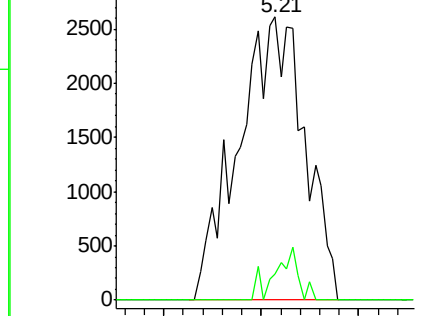
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 21.125 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

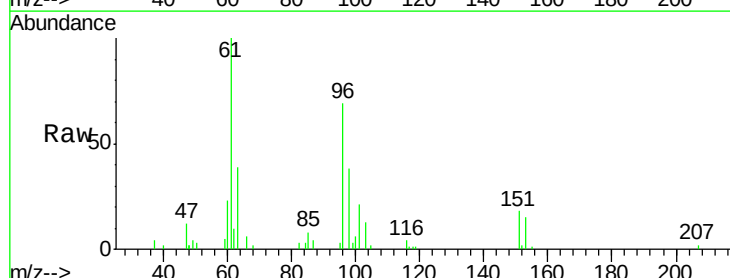
Tgt Ion: 96 Resp: 26436

Ion Ratio Lower Upper

96 100

61 144.4 137.5 206.3

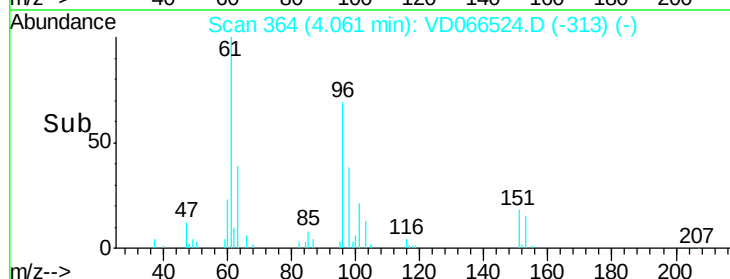
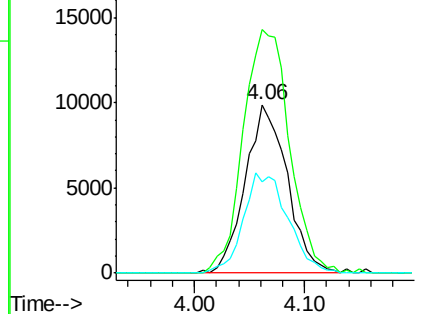
98 54.4 47.8 71.6

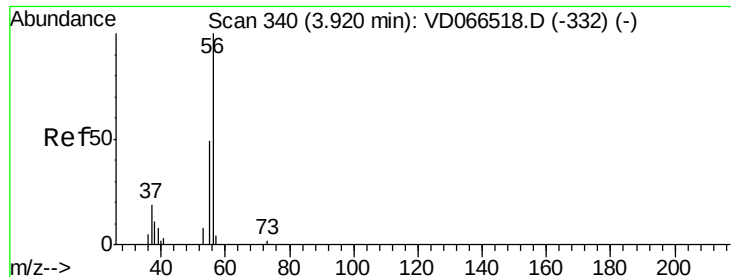


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 98.378 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBSD01

Tot Ion: 56 Resp: 5764

Ion Ratio Lower Upper

56 100

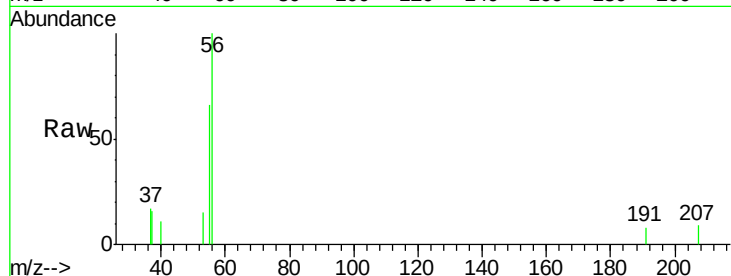
55 69.0 53.0 79.4

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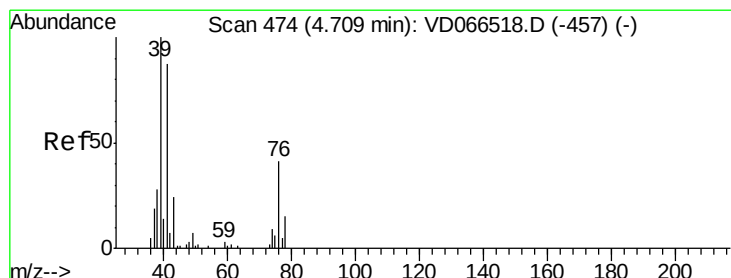
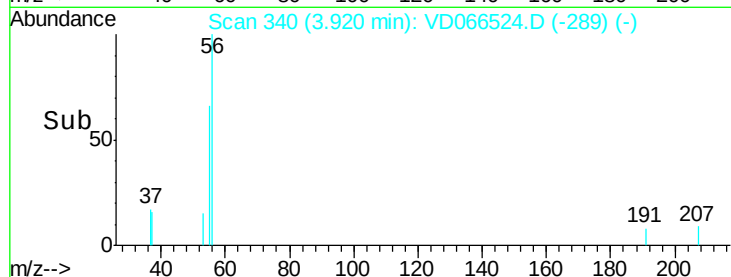
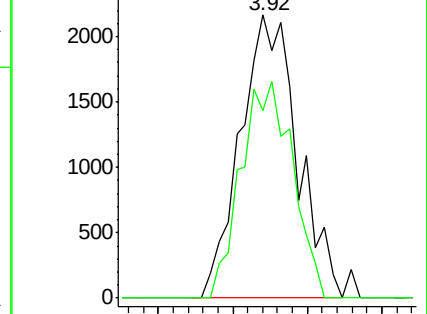
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.740 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

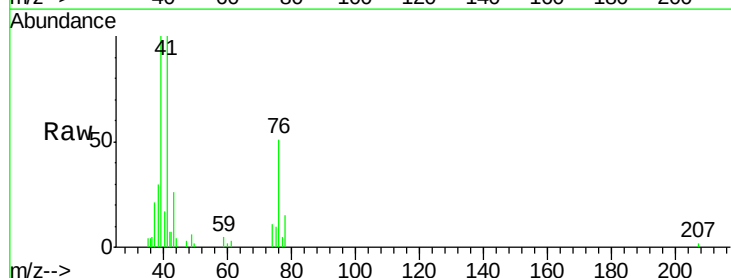
Tgt Ion: 41 Resp: 30410

Ion Ratio Lower Upper

41 100

39 110.4 93.8 140.8

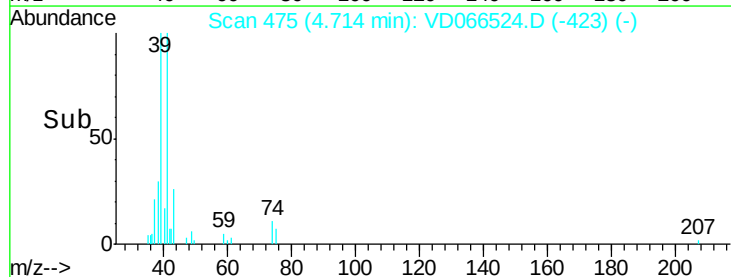
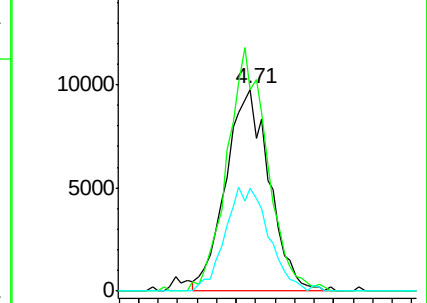
76 51.0 39.4 59.0

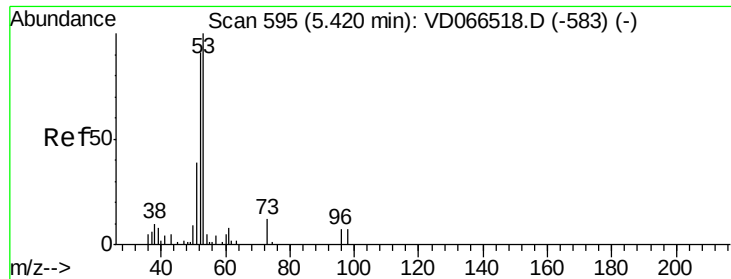


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 104.663 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

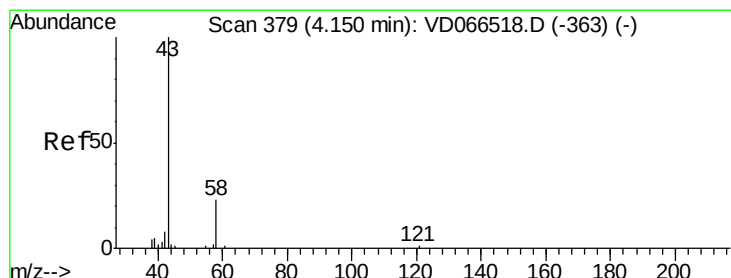
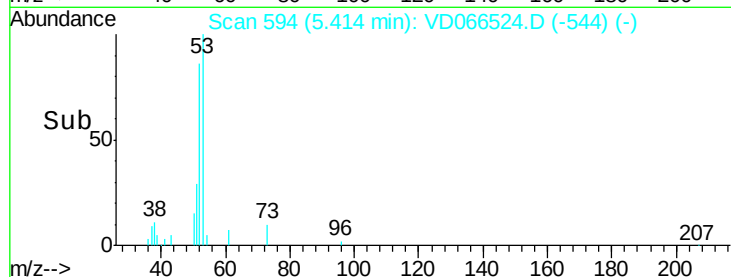
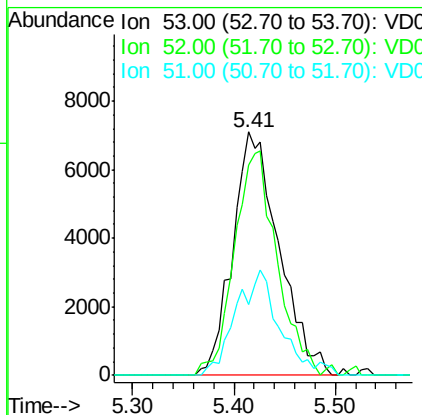
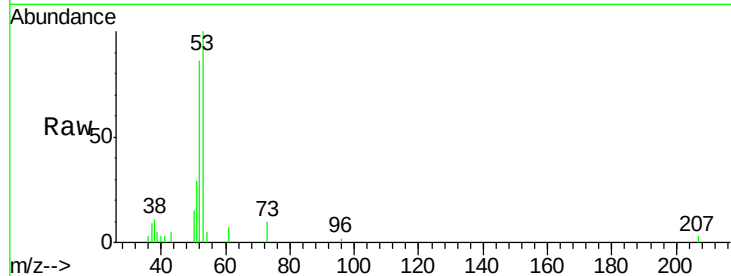
ClientSampleId :

VD0902SBSD01

Tot Ion:	53	Resp:	22494
Ion	Ratio	Lower	Upper
53	100		
52	84.7	71.0	106.4
51	39.8	35.8	53.6

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#16

Acetone

Concen: 98.137 ug/l

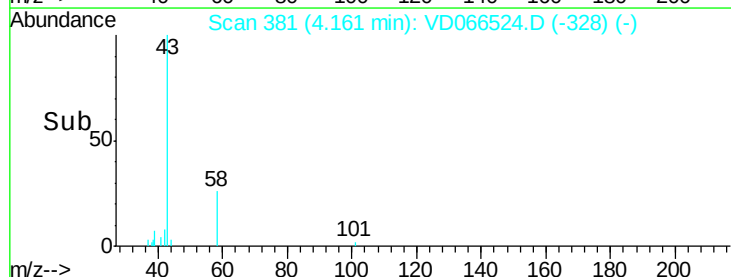
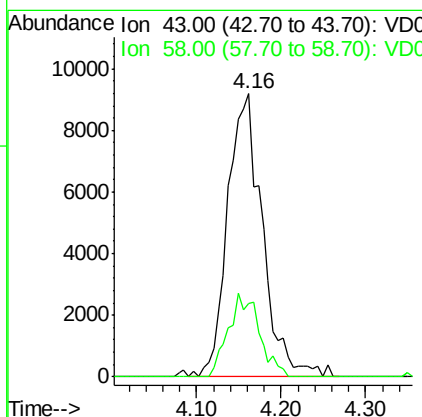
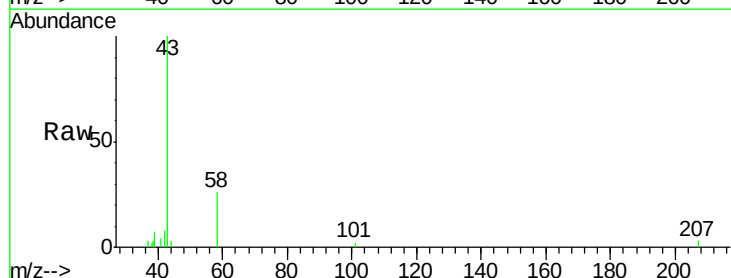
RT: 4.16 min Scan# 381

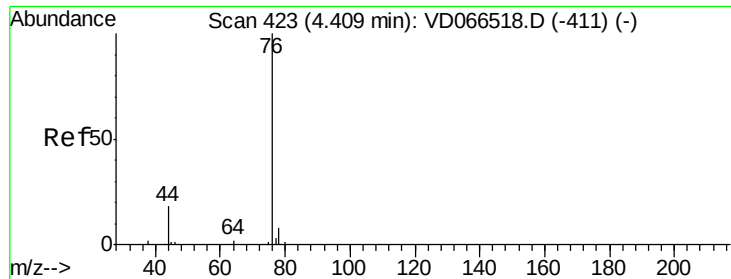
Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Tgt Ion:	43	Resp:	26180
Ion	Ratio	Lower	Upper
43	100		
58	25.8	18.1	27.1





#17

Carbon Disulfide

Concen: 20.573 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBSD01

Tot Ion: 76 Resp: 74401

Ion Ratio Lower Upper

76 100

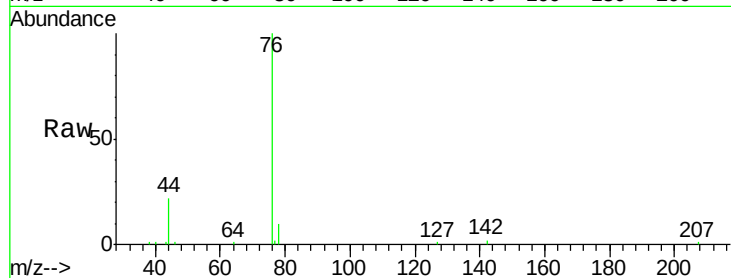
78 10.2 6.2 9.4#

Manual Integrations

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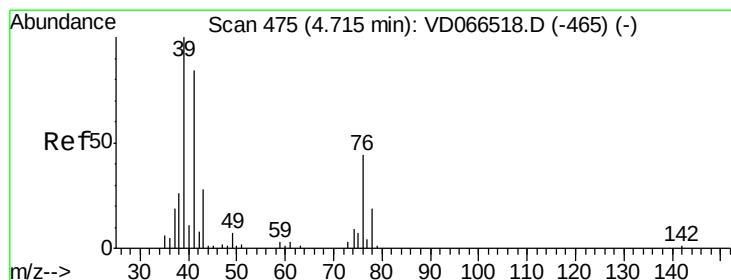
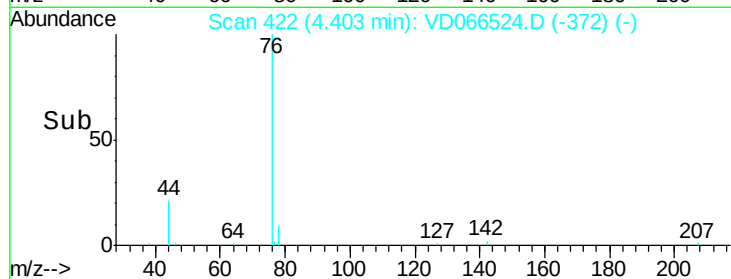
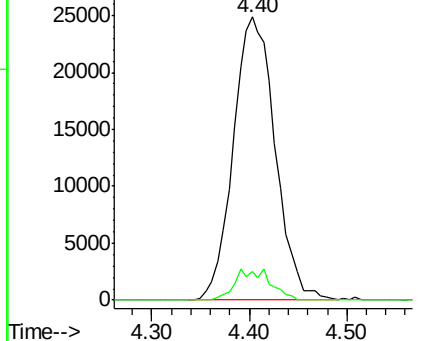
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.331 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD066524.D

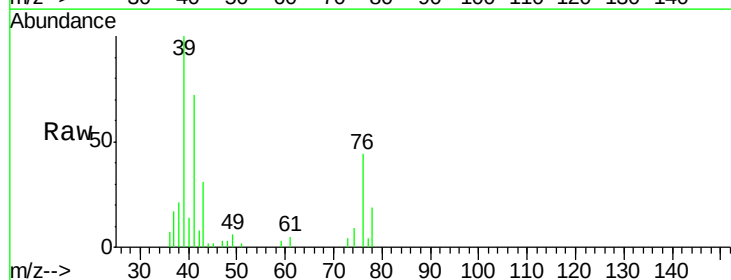
Acq: 02 Sep 2020 15:53

Tgt Ion: 43 Resp: 9137

Ion Ratio Lower Upper

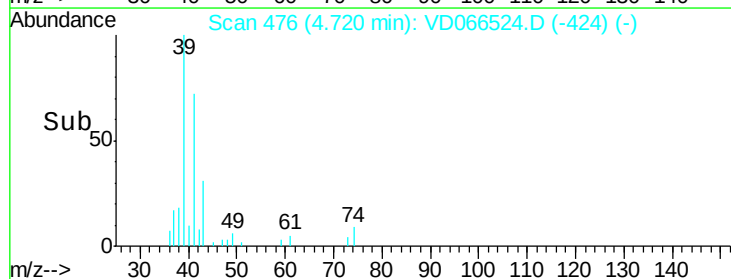
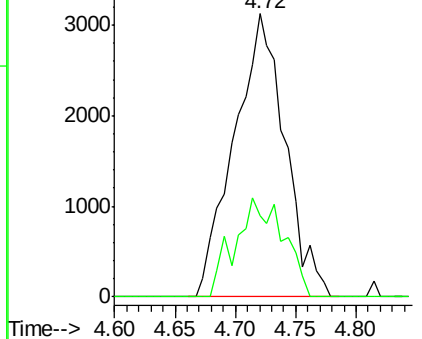
43 100

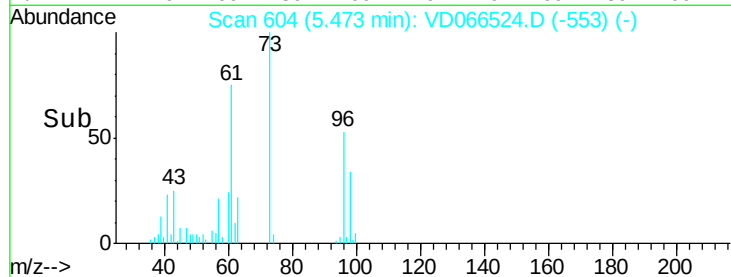
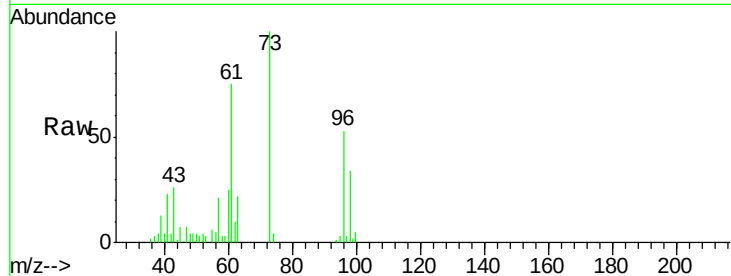
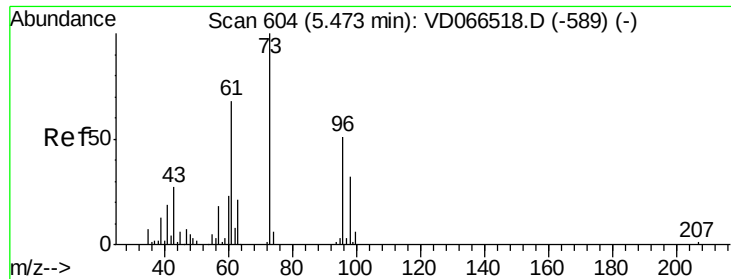
74 32.9 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





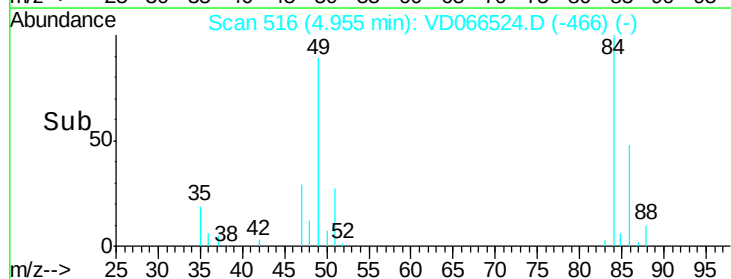
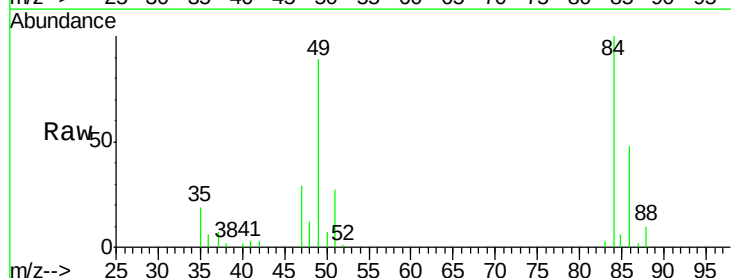
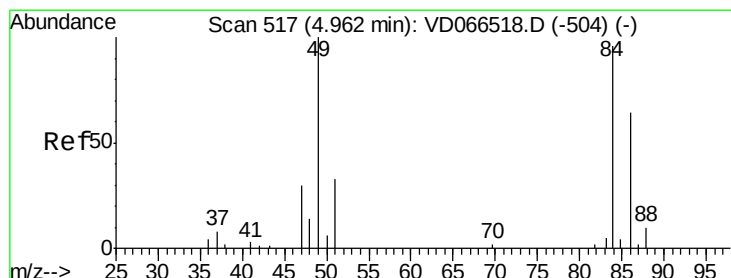
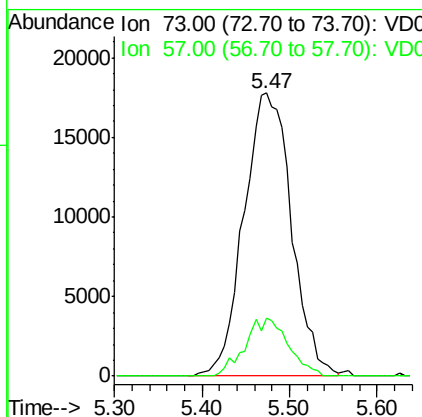
#19
Methyl tert-butyl Ether
Concen: 20.264 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tot Ion: 73 Resp: 66168
Ion Ratio Lower Upper
73 100
57 20.6 14.6 22.0

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

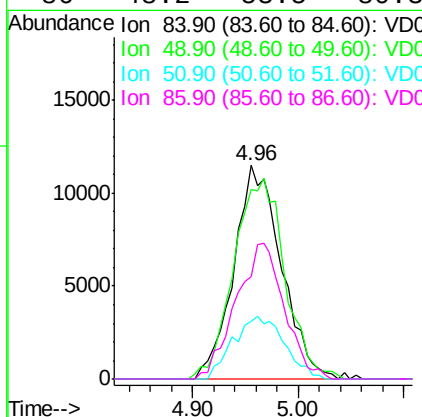
Manual Integrations
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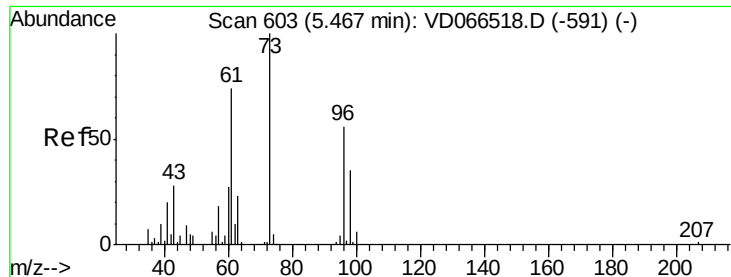
MMDadoda
9/3/2020 4:57:25 PM



#20
Methylene Chloride
Concen: 24.555 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion: 84 Resp: 35774
Ion Ratio Lower Upper
84 100
49 88.8 83.5 125.3
51 27.2 27.8 41.8#
86 48.2 53.5 80.3#





#21

trans-1,2-Dichloroethene

Concen: 21.480 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 96 Resp: 30746

Ion Ratio Lower Upper

96 100

61 114.6 106.6 160.0

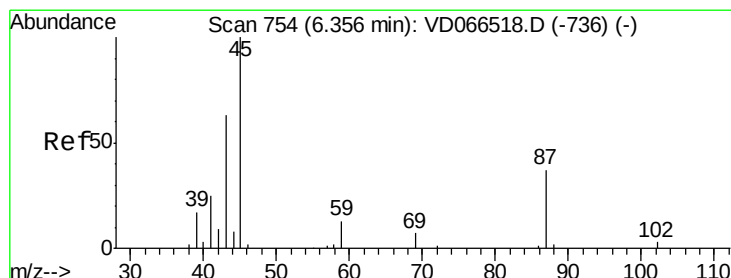
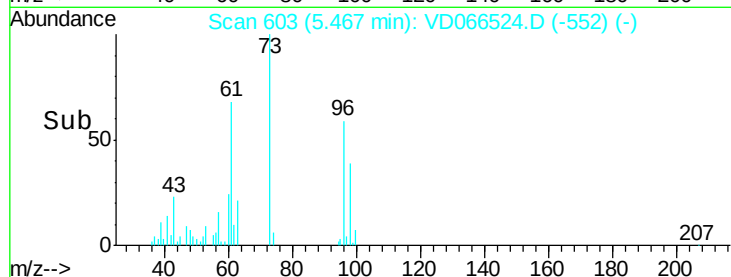
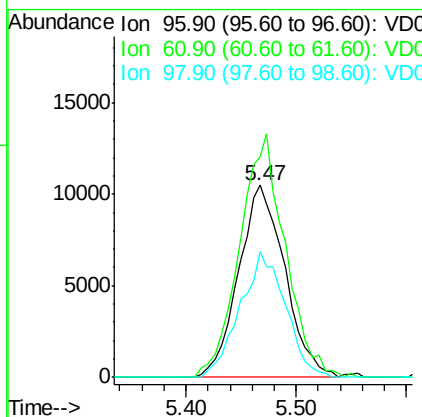
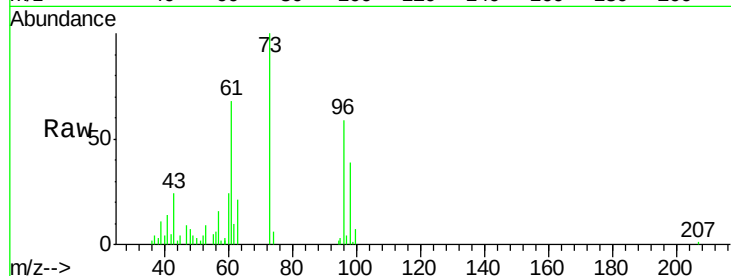
98 65.8 50.6 76.0

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#22

Diisopropyl ether

Concen: 20.473 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Tgt Ion: 45 Resp: 57398

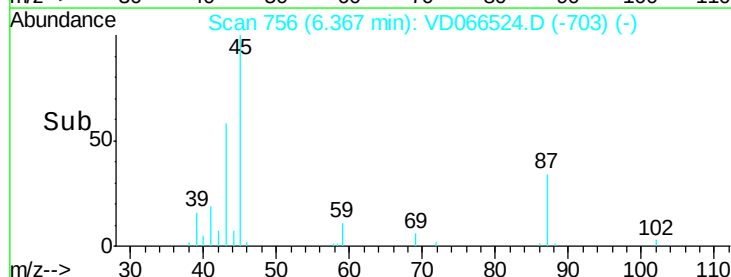
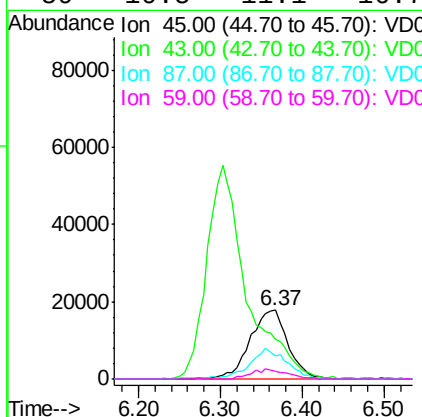
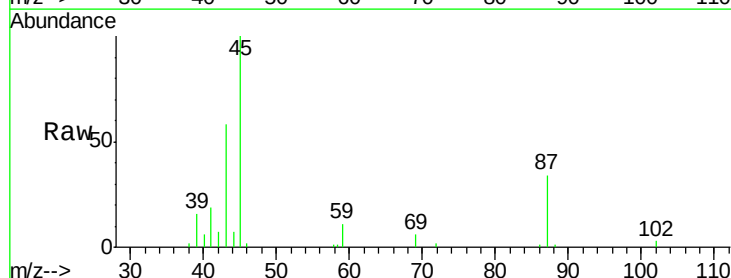
Ion Ratio Lower Upper

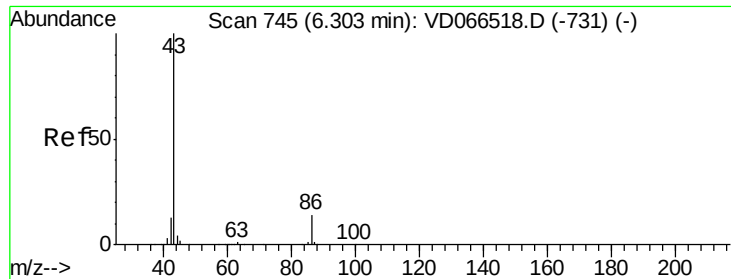
45 100

43 57.0 53.4 80.0

87 34.2 30.2 45.4

59 10.5 11.1 16.7#





#23

Vinyl Acetate

Concen: 104.475 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBSD01

Tot Ion: 43 Resp: 188306

Ion Ratio Lower Upper

43 100

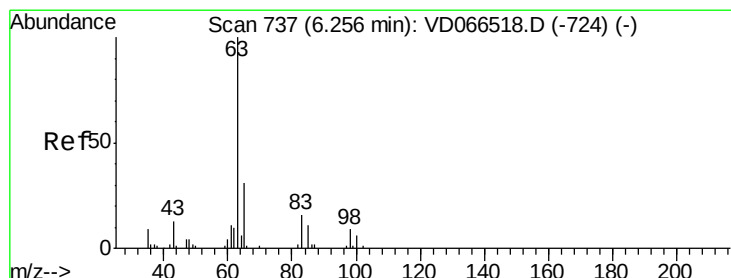
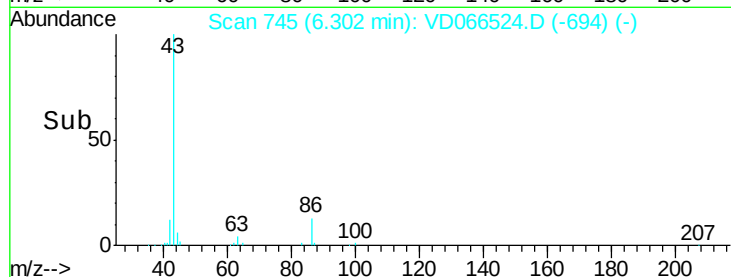
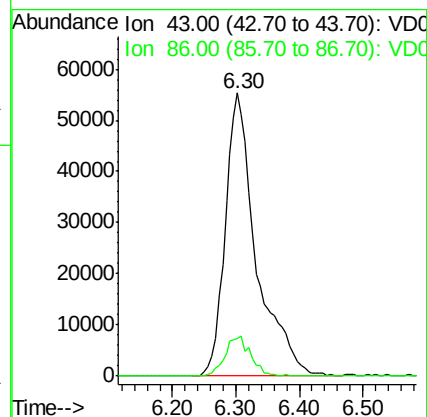
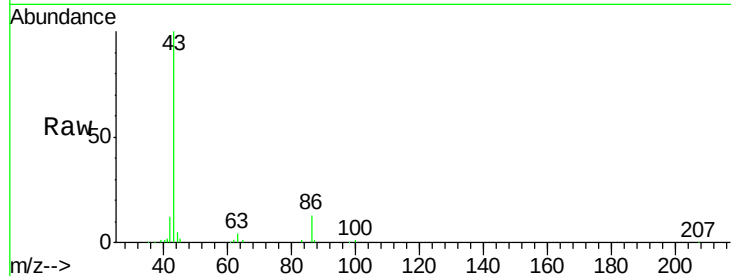
86 13.3 11.3 16.9

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#24

1,1-Dichloroethane

Concen: 20.827 ug/l

RT: 6.26 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

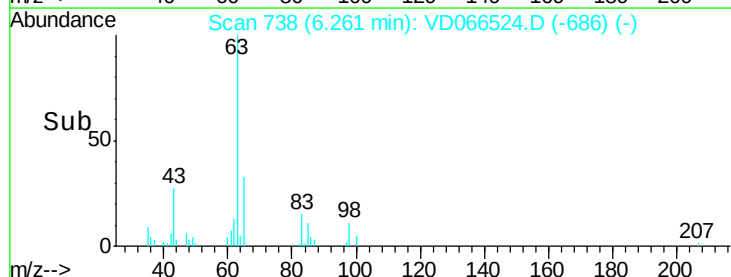
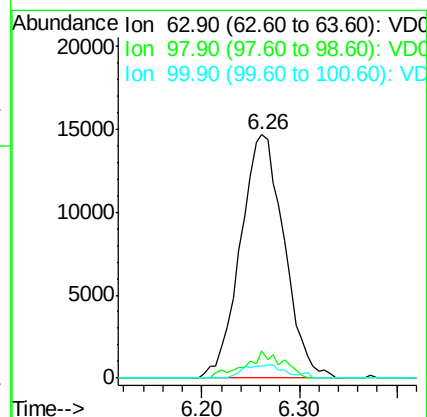
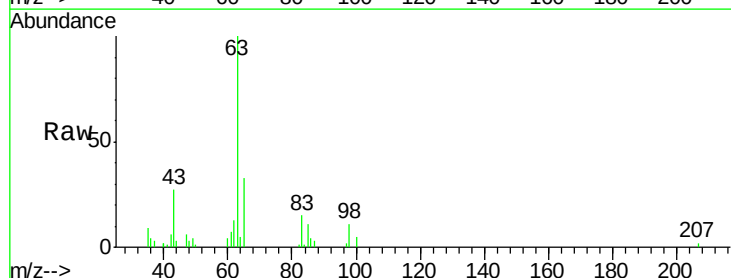
Tgt Ion: 63 Resp: 45858

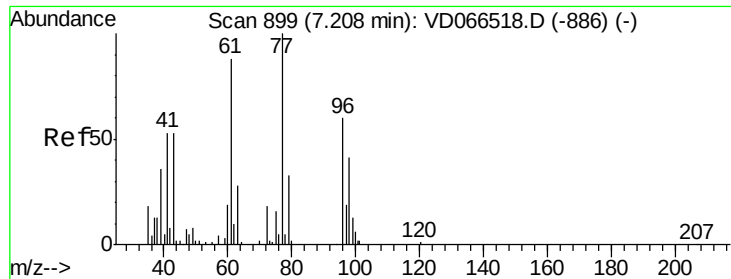
Ion Ratio Lower Upper

63 100

98 11.2 4.3 13.1

100 5.0 2.9 8.7





#25

2-Butanone

Concen: 98.449 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 43 Resp: 27183

Ion Ratio Lower Upper

43 100

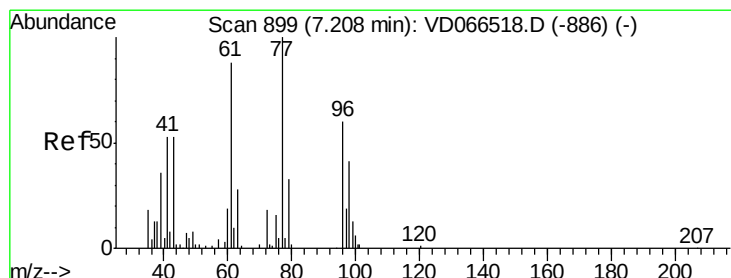
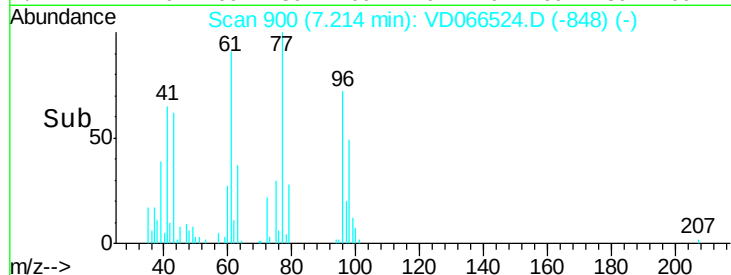
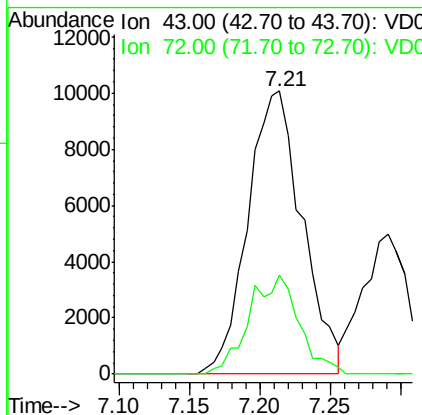
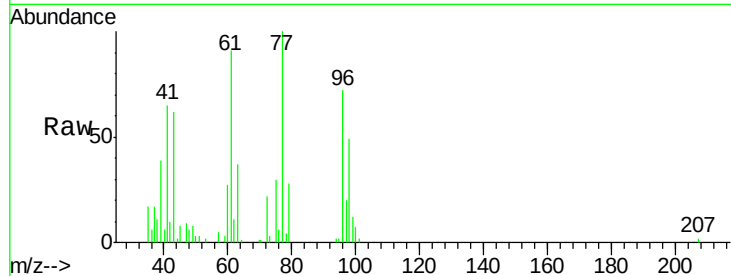
72 34.9 26.8 40.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.582 ug/l

RT: 7.20 min Scan# 898

Delta R.T. -0.01 min

Lab File: VD066524.D

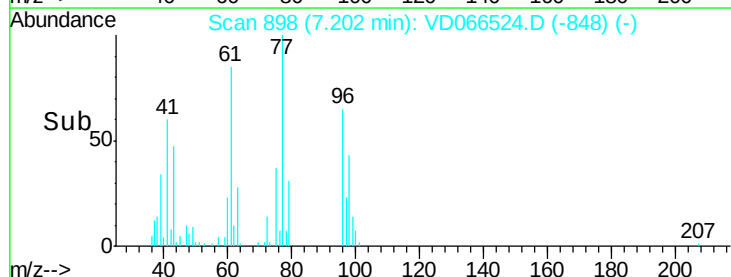
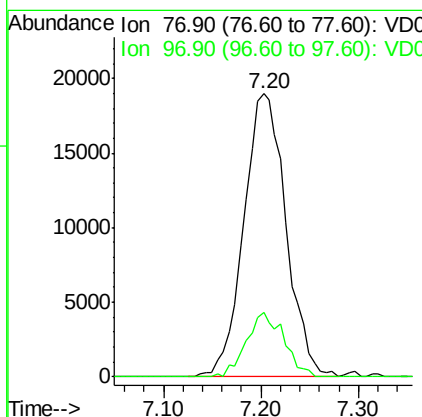
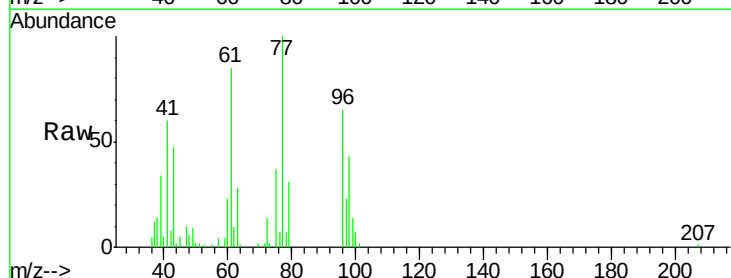
Acq: 02 Sep 2020 15:53

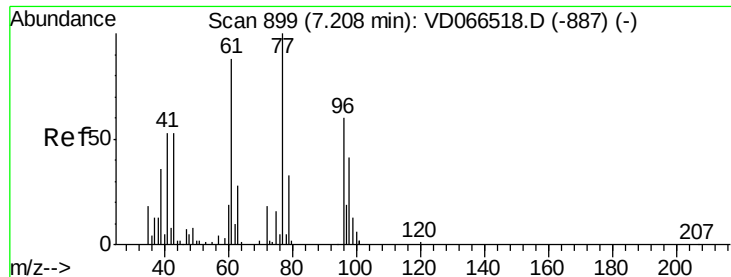
Tgt Ion: 77 Resp: 57423

Ion Ratio Lower Upper

77 100

97 20.3 10.2 30.4





#27

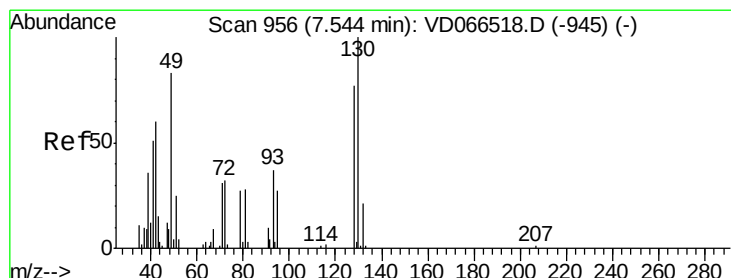
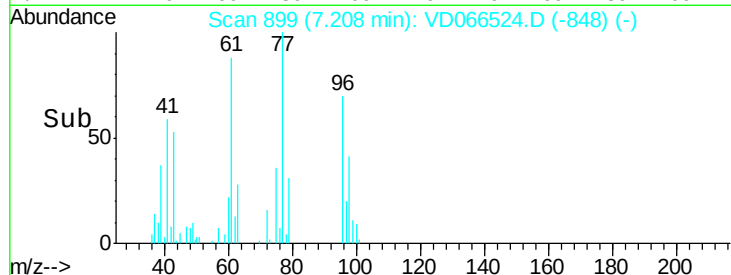
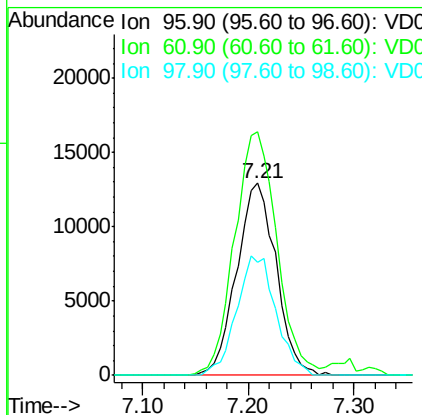
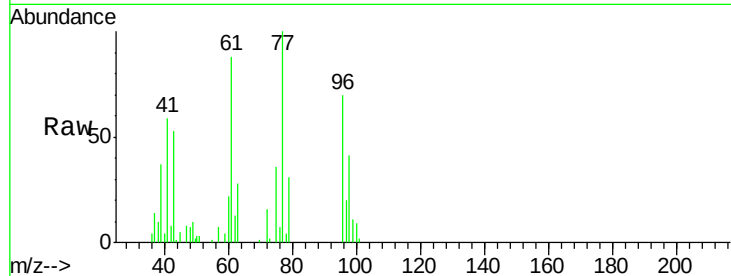
cis-1,2-Dichloroethene
 Concen: 21.630 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.8	0.0	292.8
98	61.8	0.0	130.2

Manual Integrations
 APPROVED

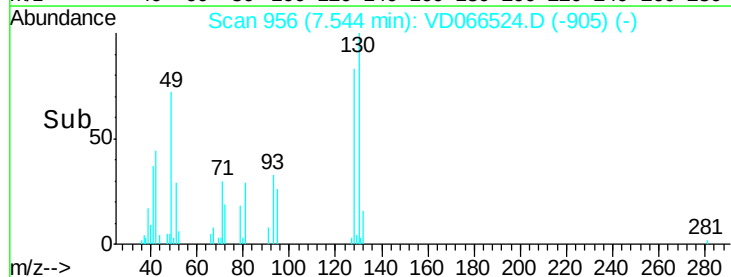
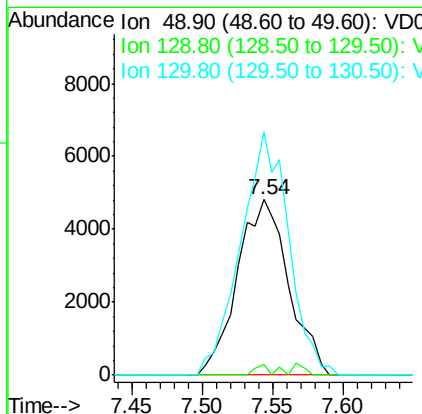
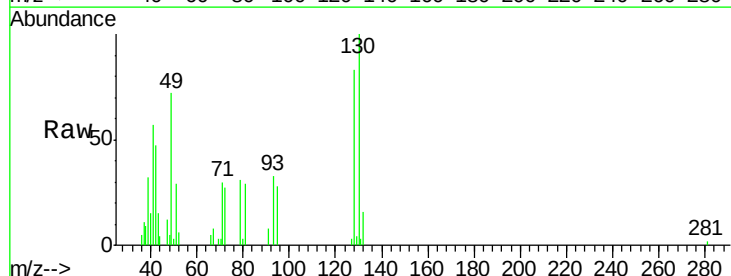
MMDadoda
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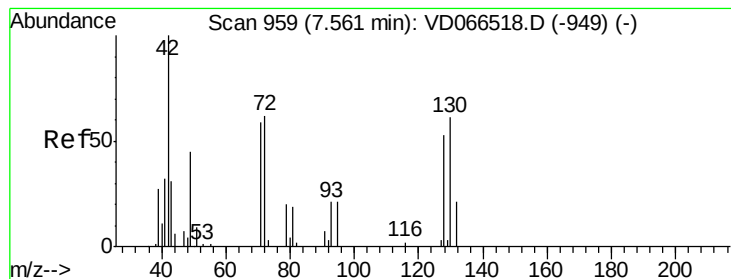


#28

Bromochloromethane
 Concen: 19.194 ug/l
 RT: 7.54 min Scan# 956
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.4	0.0	1.2#
130	129.4	98.0	147.0





#29

Tetrahydrofuran

Concen: 101.909 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

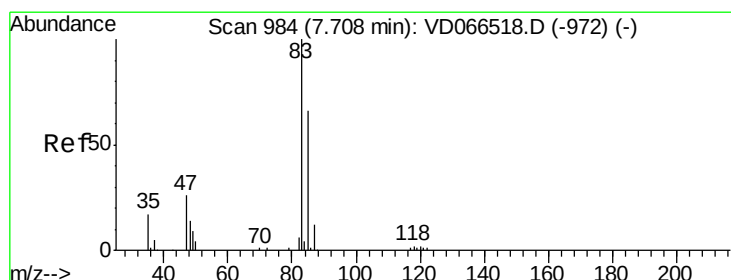
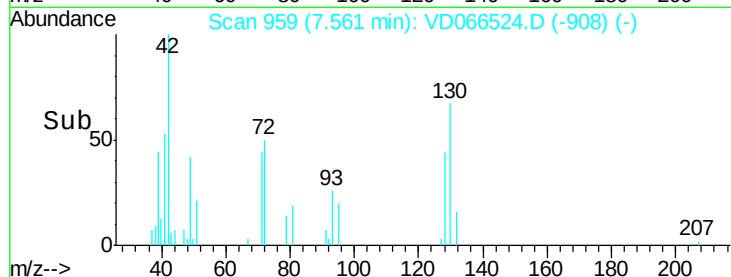
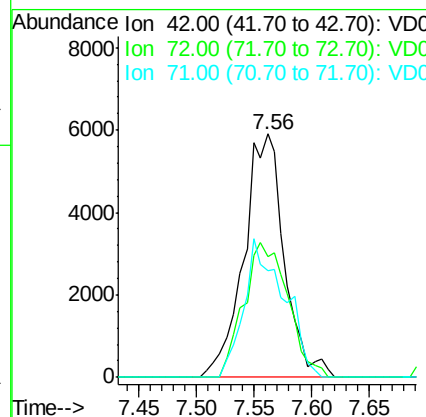
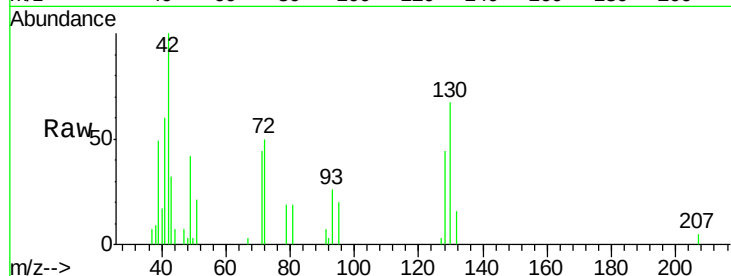
ClientSampleId :

VD0902SBS01

Tot Ion:	42	Resp:	14465
Ion	Ratio	Lower	Upper
42	100		
72	60.2	48.6	72.8
71	56.1	43.2	64.8

Manual Integrations
APPROVED

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#30

Chloroform

Concen: 20.554 ug/l

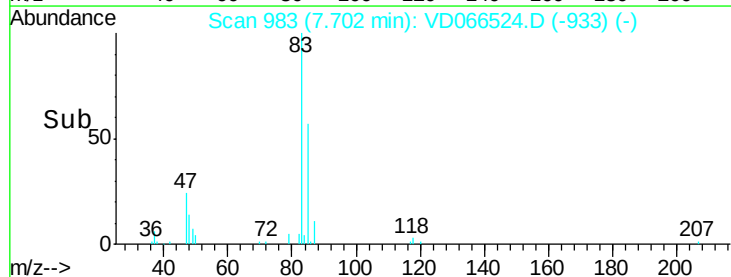
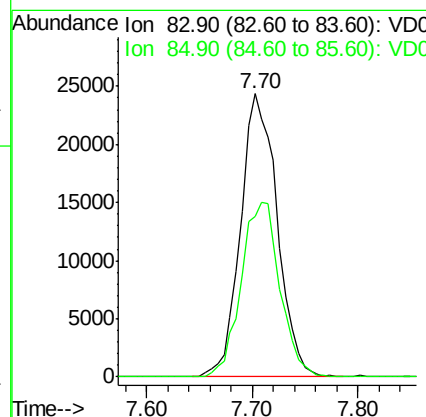
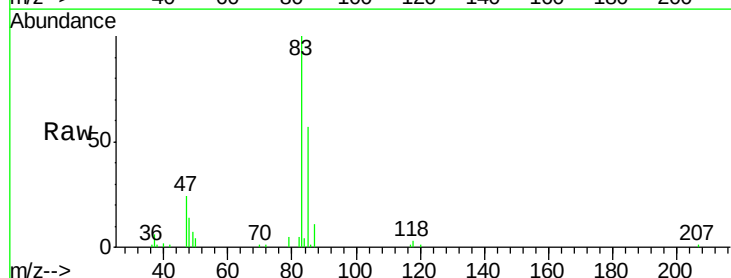
RT: 7.70 min Scan# 983

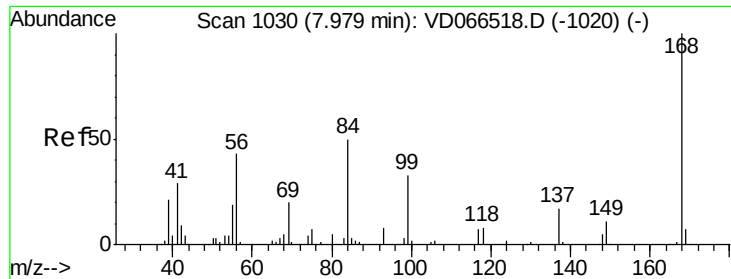
Delta R.T. -0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Tgt Ion:	83	Resp:	58439
Ion	Ratio	Lower	Upper
83	100		
85	56.6	52.6	79.0





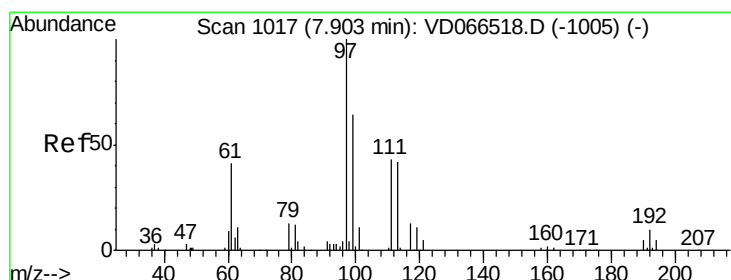
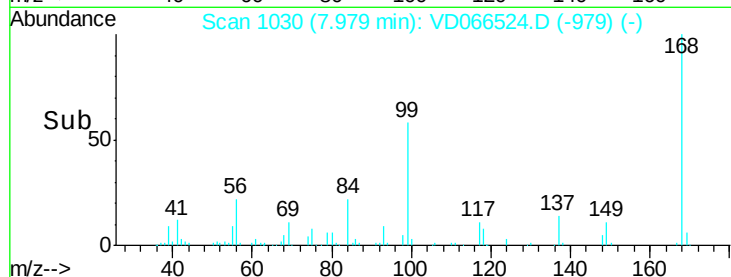
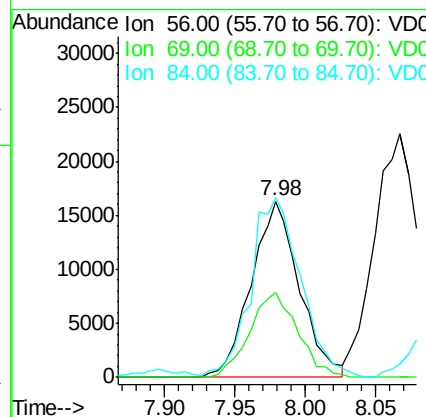
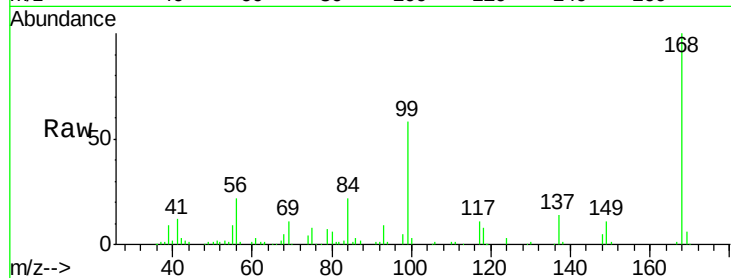
#31
Cyclohexane
Concen: 21.144 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	48.2	36.8	55.2
84	100.5	93.4	140.0

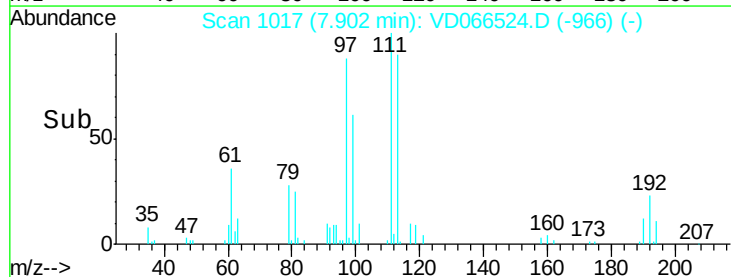
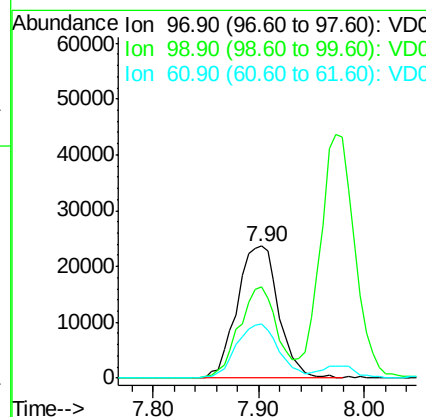
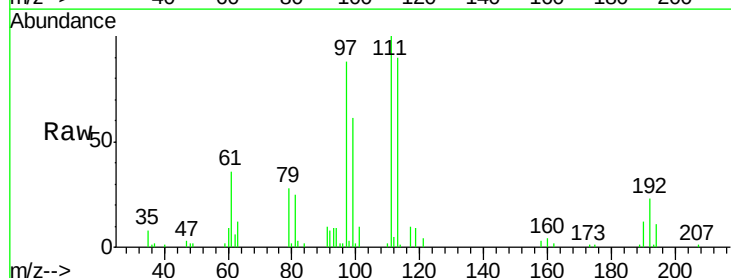
Manual Integrations
APPROVED

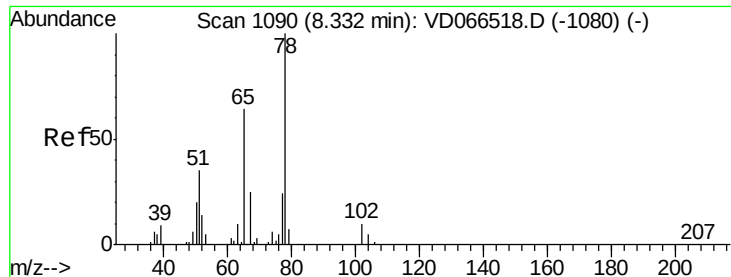
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 20.376 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.7	77.5
61	41.5	32.6	48.8





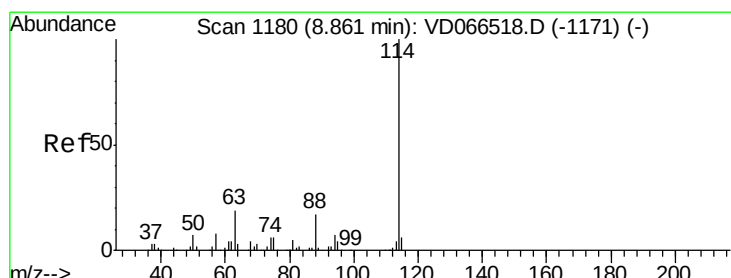
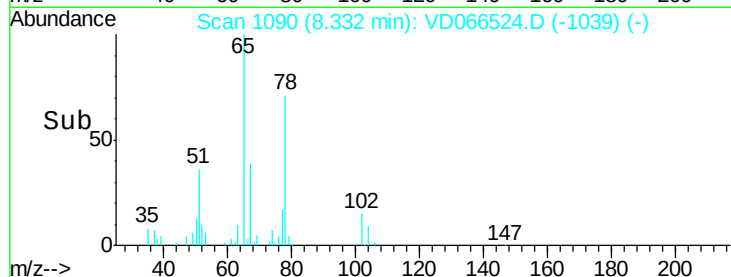
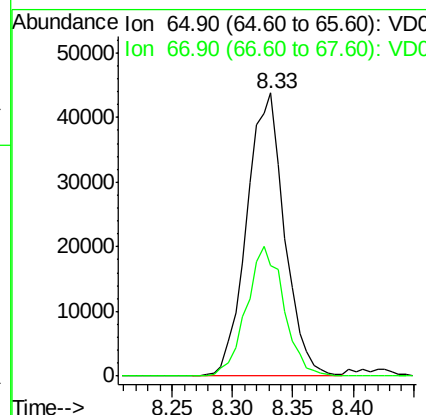
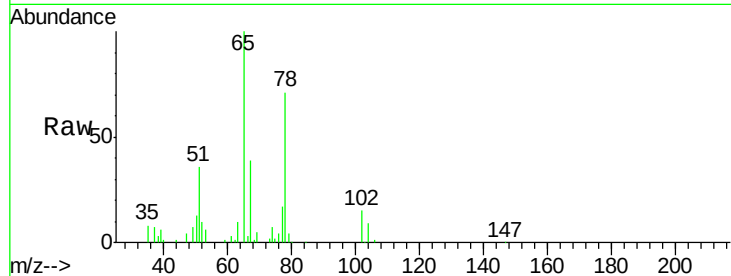
#33
 1,2-Dichloroethane-d4
 Concen: 52.846 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	45.2	0.0	88.2	

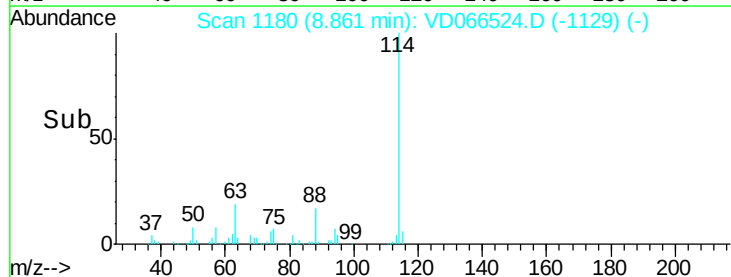
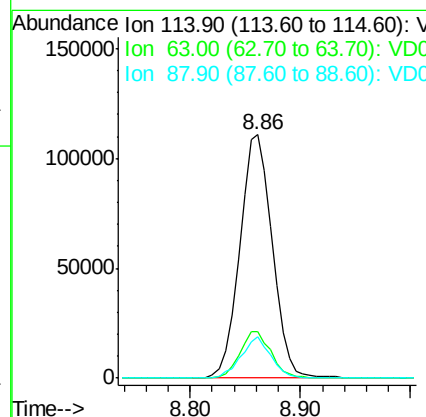
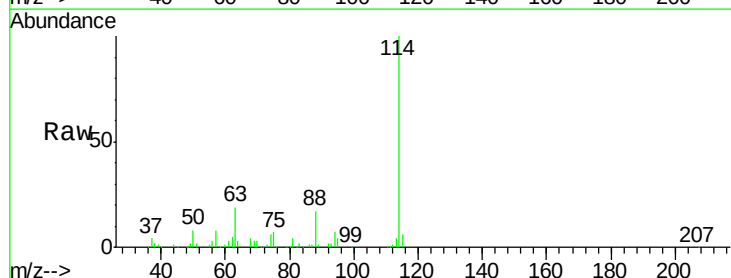
Manual Integrations
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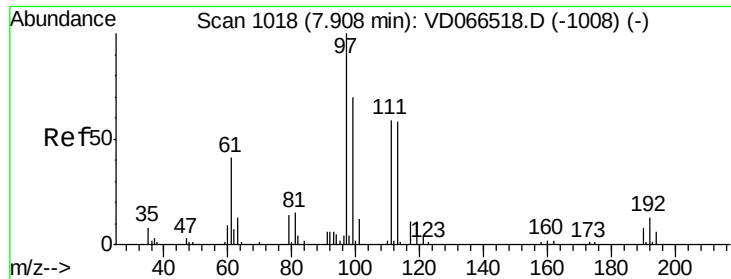
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.2	0.0	38.6	
88	16.9	0.0	33.6	





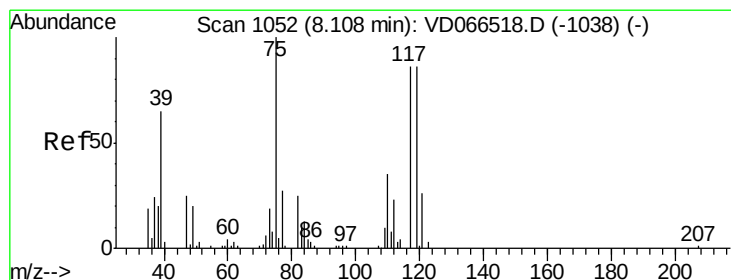
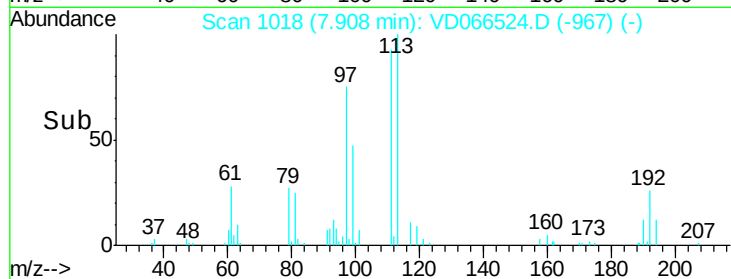
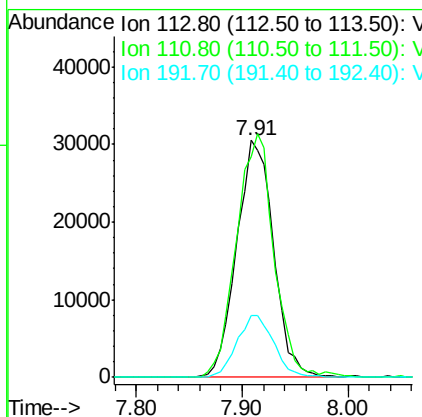
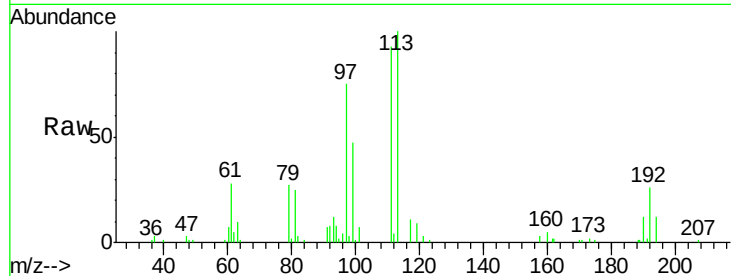
#35
 Dibromofluoromethane
 Concen: 53.889 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	74083		
111	104.7		82.5	123.7
192	26.1		20.7	31.1

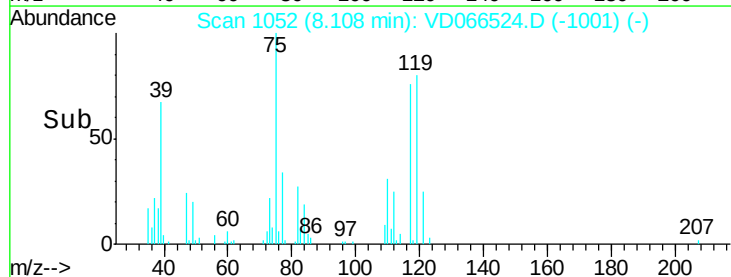
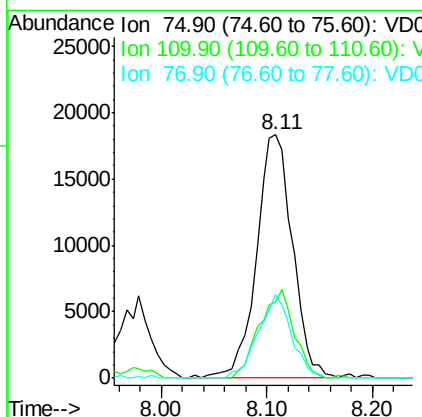
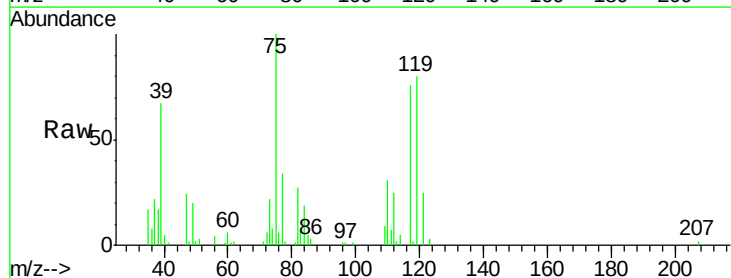
Manual Integrations
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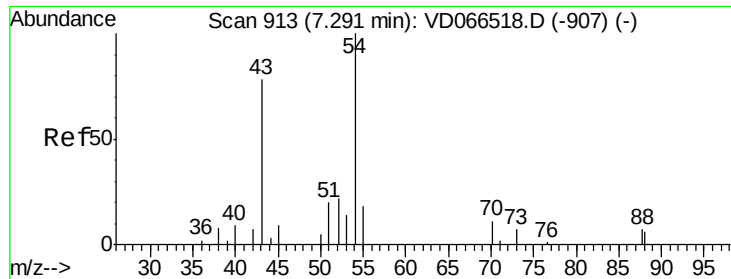
MMDadoda
 9/3/2020 4:57:25 PM



#36
 1,1-Dichloropropene
 Concen: 21.646 ug/l
 RT: 8.11 min Scan# 1052
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	43371		
110	34.7		18.4	55.2
77	31.6		24.6	36.8





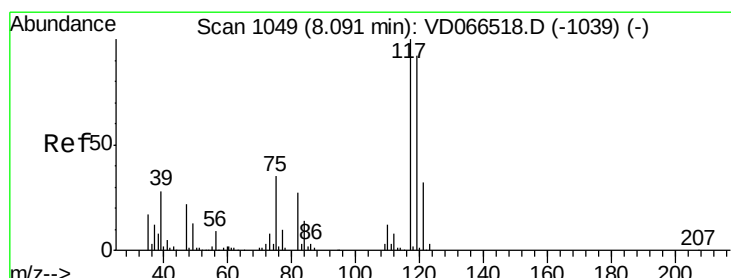
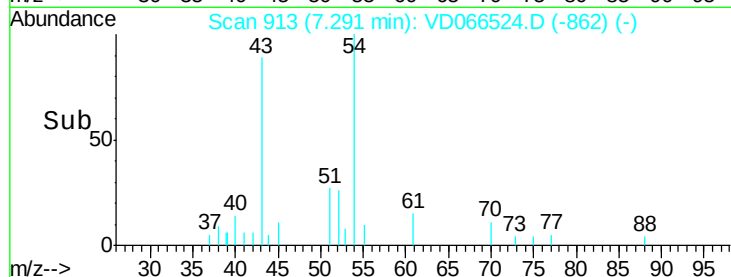
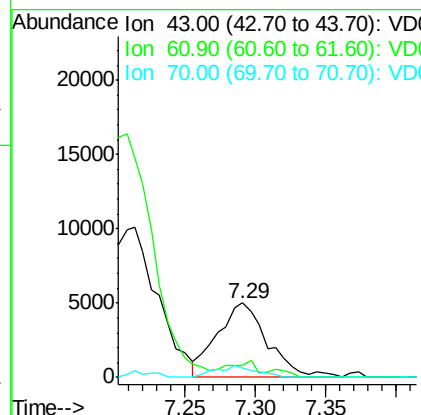
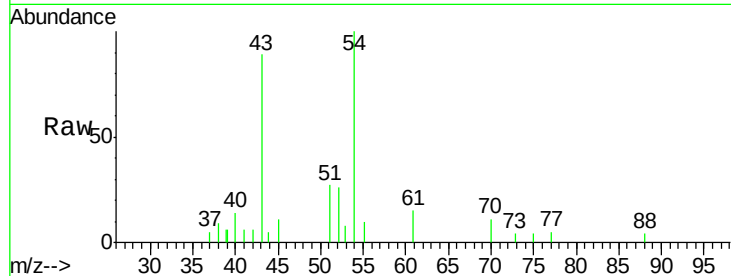
#37
Ethyl Acetate
Concen: 20.715 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	43	61	70
Resp	12459	0.0	12.5
Lower		10.7	10.2
Upper		16.1#	15.2

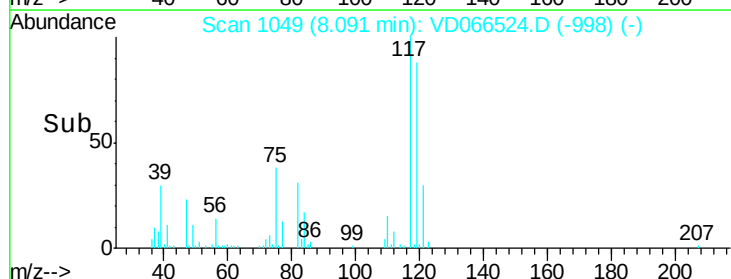
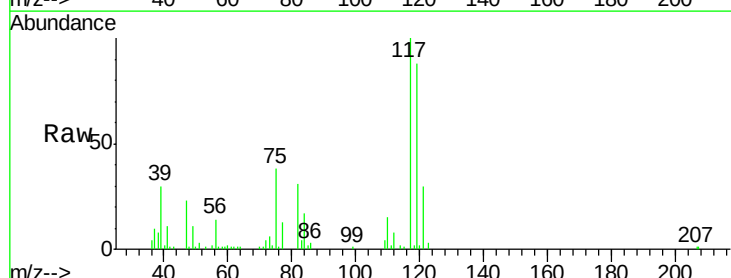
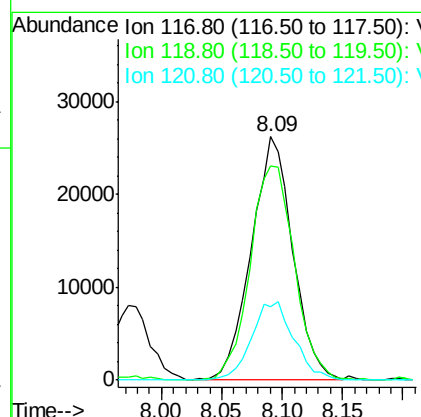
Manual Integrations
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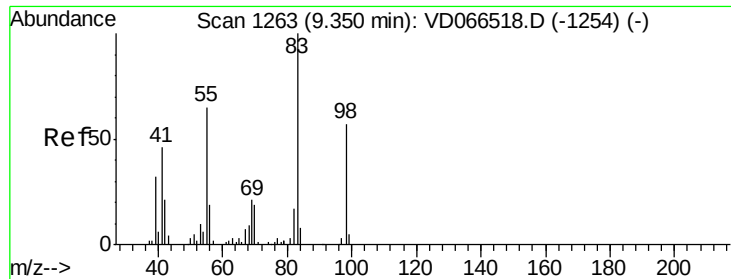
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#38
Carbon Tetrachloride
Concen: 20.488 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	117	119	121
Resp	62535	87.7	30.1
Lower		73.9	25.6
Upper		110.9	38.4





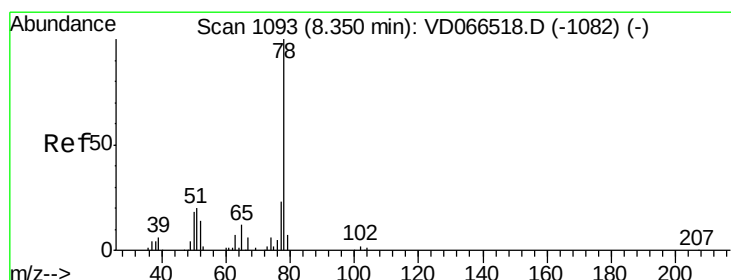
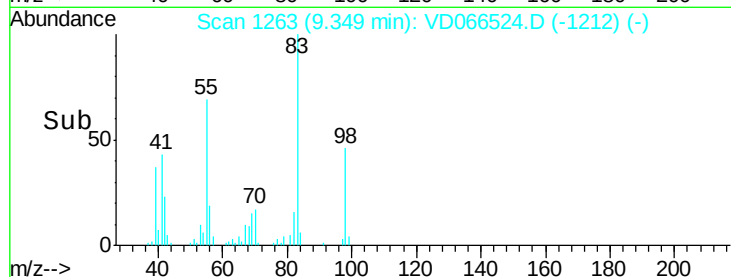
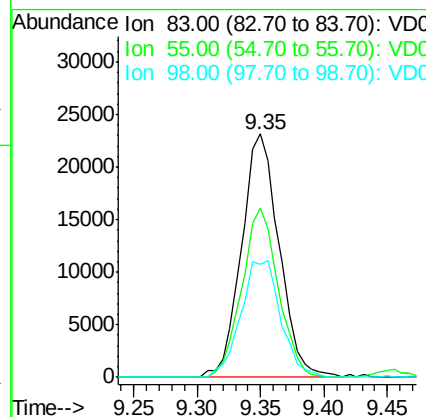
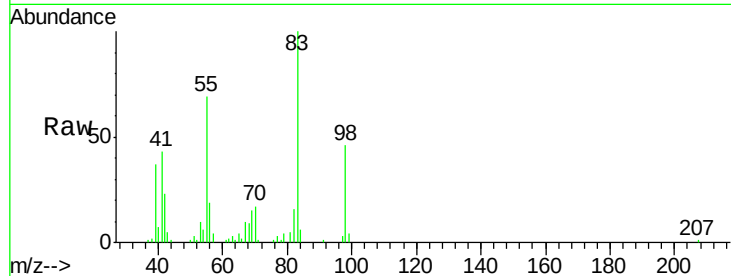
#39
Methylvlcyclohexane
Concen: 20.366 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	83	Resp	47674
Ion	Ratio	Lower	Upper
83	100		
55	69.3	52.2	78.2
98	46.4	45.6	68.4

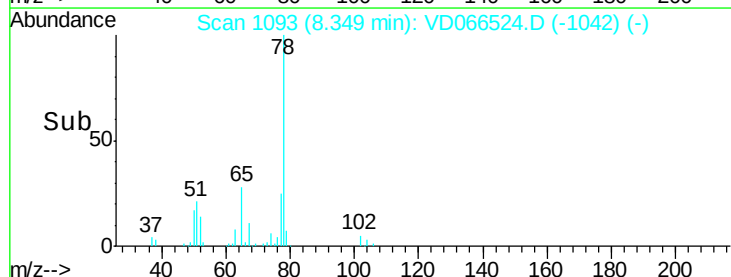
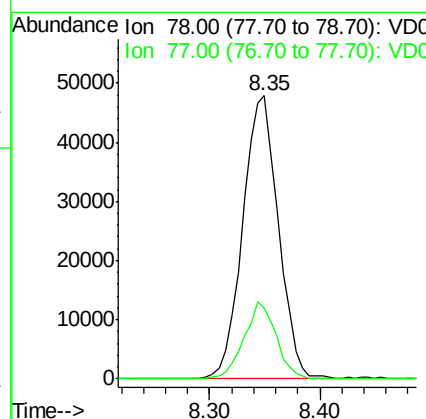
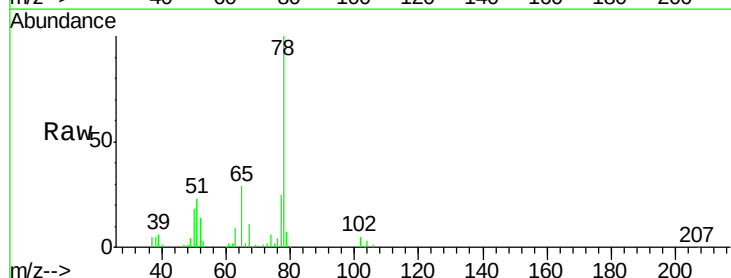
Manual Integrations
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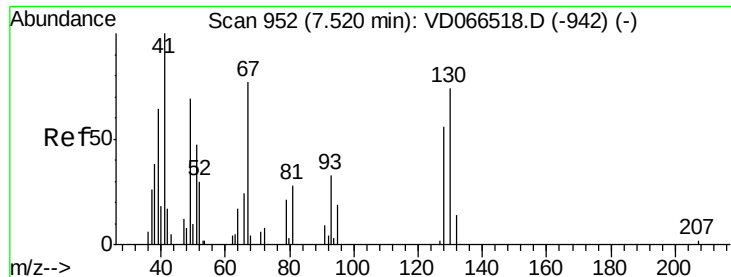
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#40
Benzene
Concen: 20.993 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	78	Resp	108505
Ion	Ratio	Lower	Upper
78	100		
77	25.0	18.1	27.1





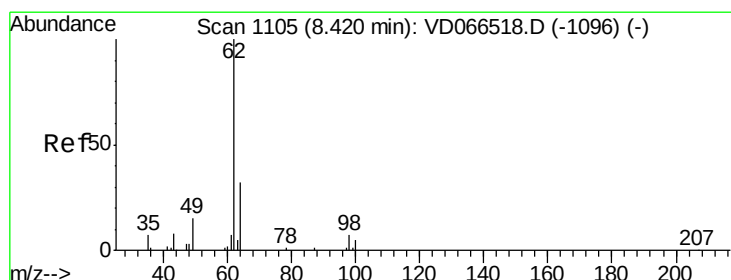
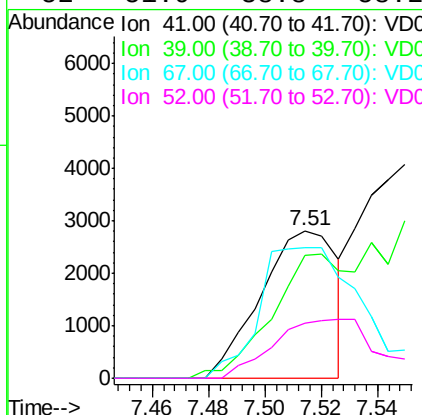
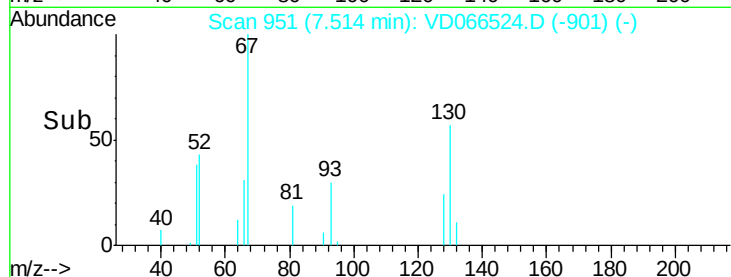
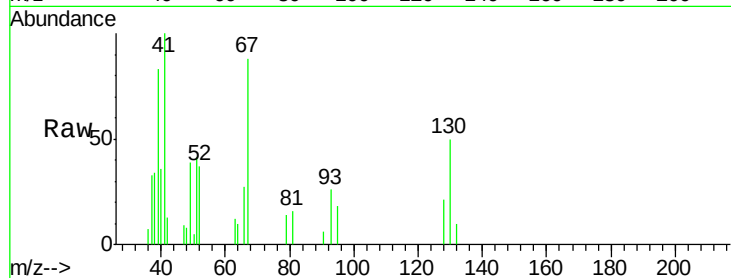
#41
Methacrylonitrile
Concen: 16.950 ug/l
RT: 7.51 min Scan# 951
Delta R.T. -0.01 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	88.0	0.0	0.0#
67	118.9	85.0	127.4
52	51.9	38.8	58.2

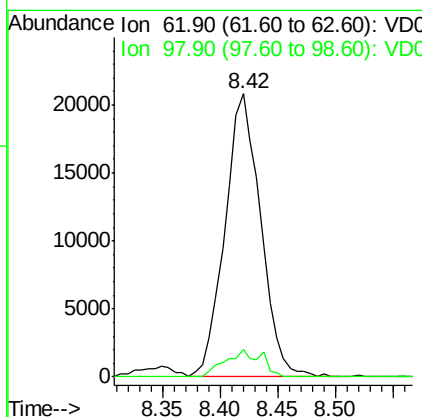
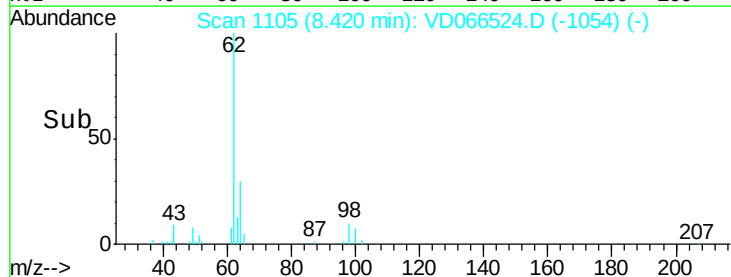
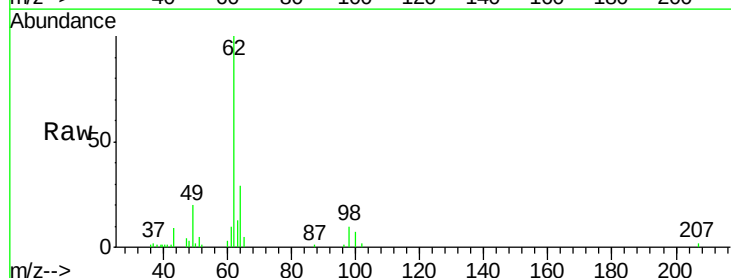
Manual Integrations
APPROVED

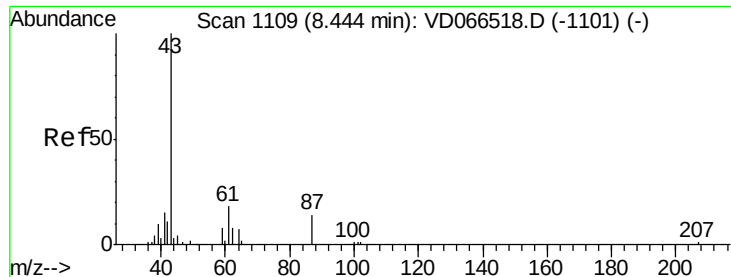
MMDadoda
9/3/2020 4:57:25 PM



#42
1,2-Dichloroethane
Concen: 20.467 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	15.2





#43

Isopropyl Acetate

Concen: 20.043 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

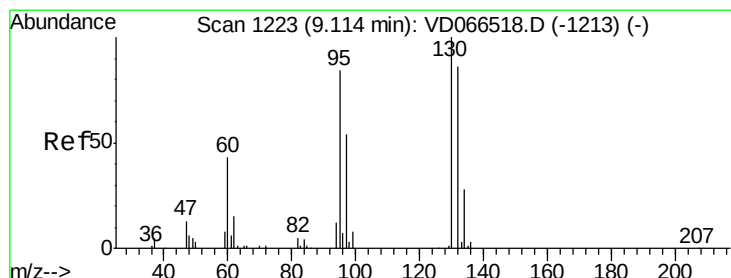
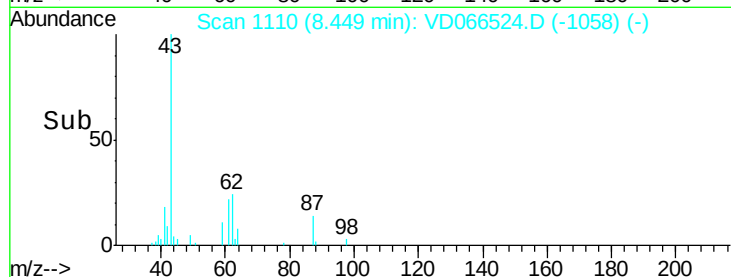
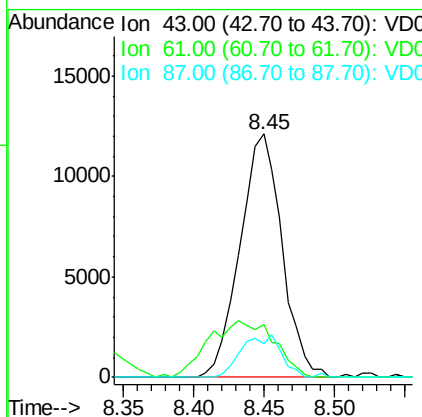
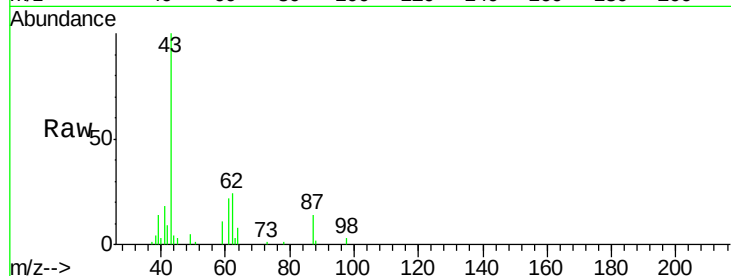
ClientSampleId :

VD0902SBS01

Tot Ion:	43	Resp:	25252
Ion Ratio	Lower	Upper	
43	100		
61	0.0	26.9	40.3#
87	16.5	12.9	19.3

Manual Integrations
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#44

Trichloroethene

Concen: 20.848 ug/l

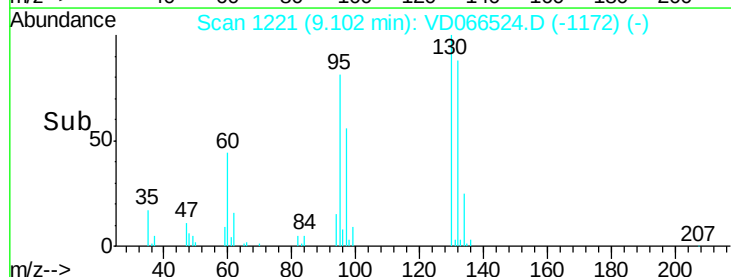
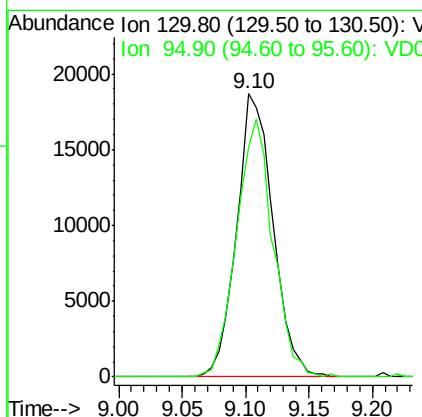
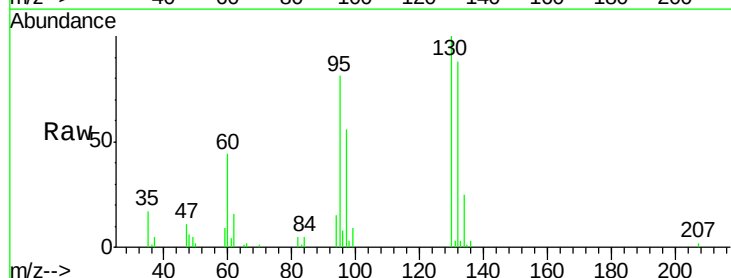
RT: 9.10 min Scan# 1221

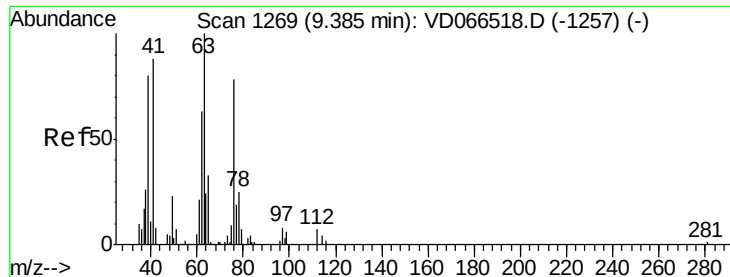
Delta R.T. -0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Tgt Ion:	130	Resp:	37192
Ion Ratio	Lower	Upper	
130	100		
95	81.0	0.0	167.2





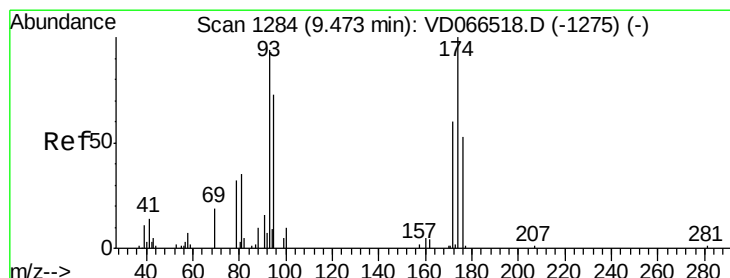
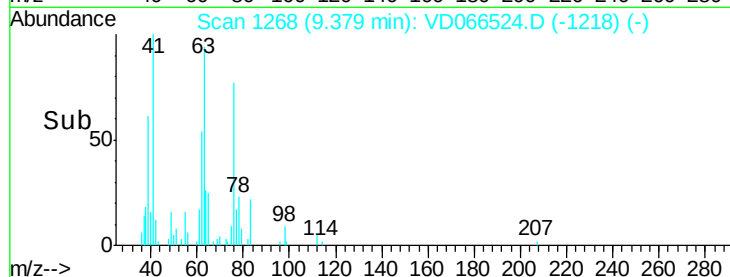
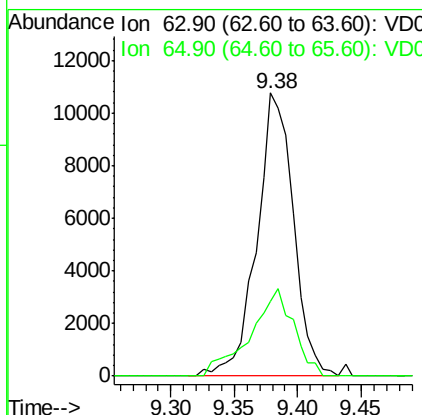
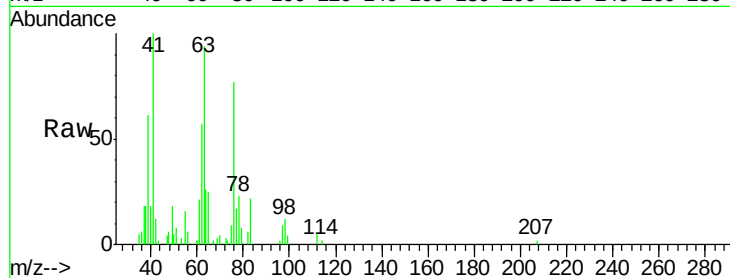
#45
 1,2-Dichloropropane
 Concen: 21.100 ug/l
 RT: 9.38 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
63	100		
65	26.5	26.2	39.4

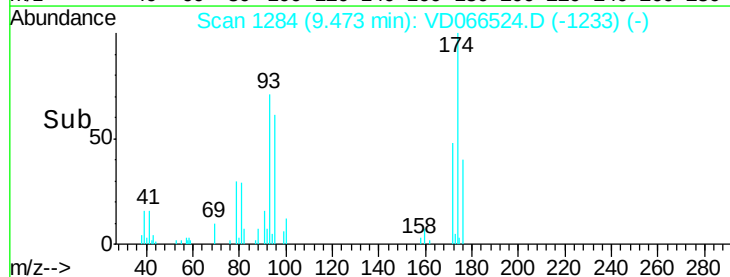
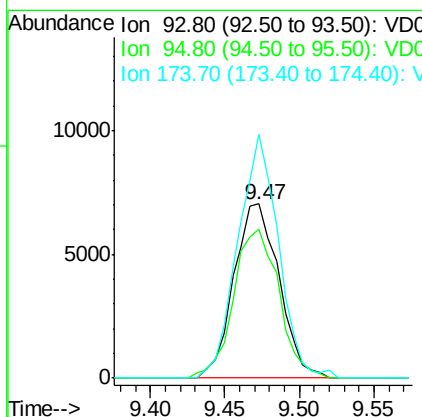
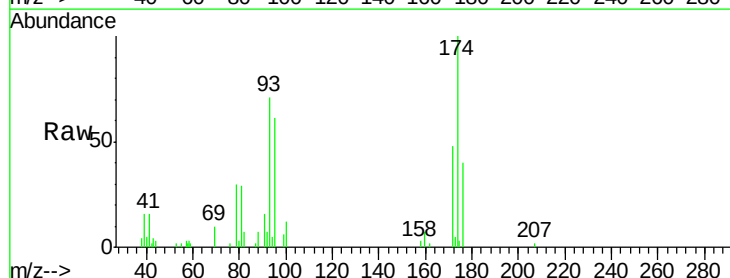
Manual Integrations
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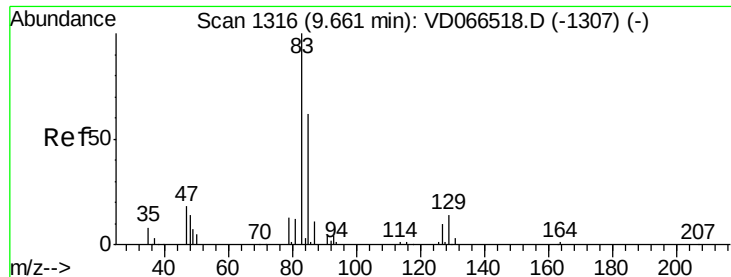
MMDadoda
 9/3/2020 4:57:25 PM



#46
 Dibromomethane
 Concen: 19.683 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	86.1	63.9	95.9
174	125.2	94.4	141.6





#47

Bromodichloromethane

Concen: 19.458 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

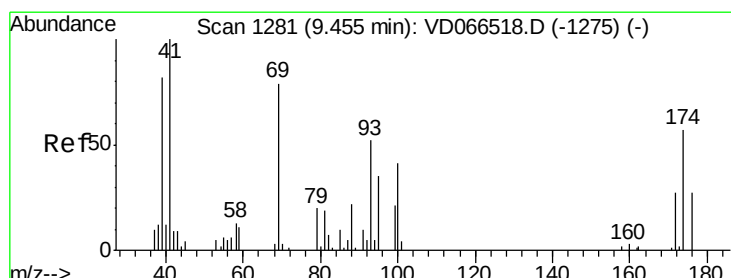
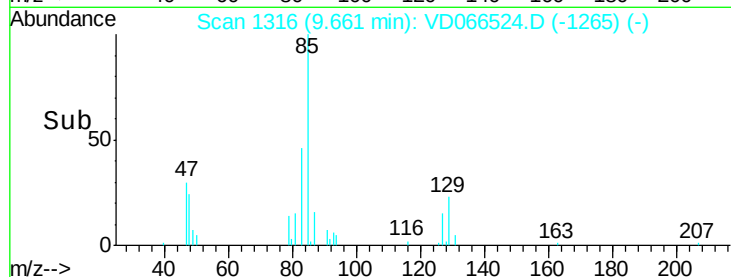
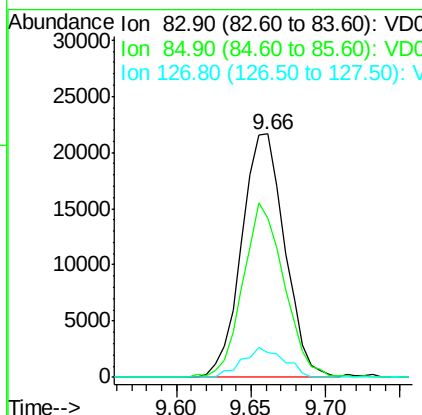
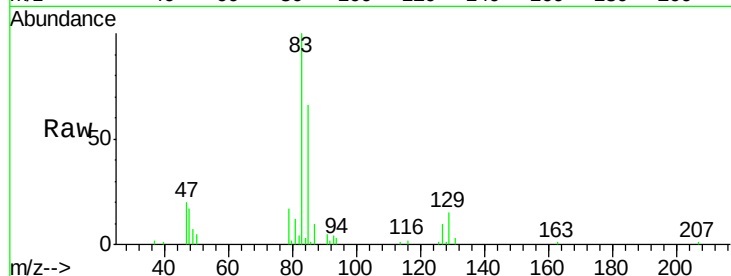
ClientSampleId :

VD0902SBSD01

Tot Ion:	83	Resp:	43420
Ion	Ratio	Lower	Upper
83	100		
85	65.6	49.6	74.4
127	10.1	7.8	11.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.004 ug/l

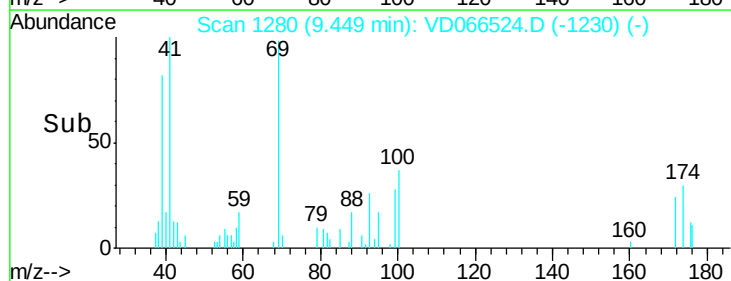
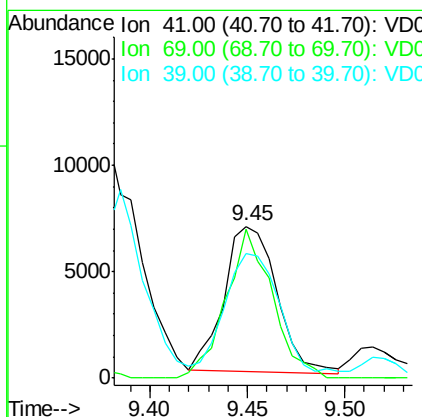
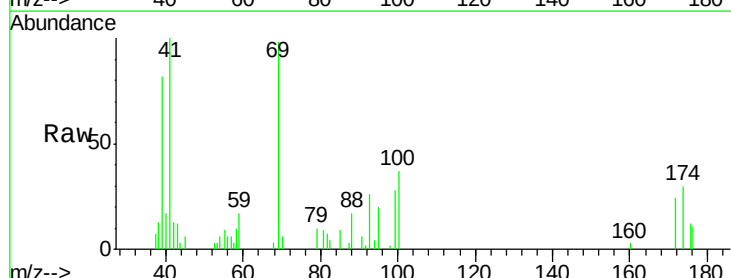
RT: 9.45 min Scan# 1280

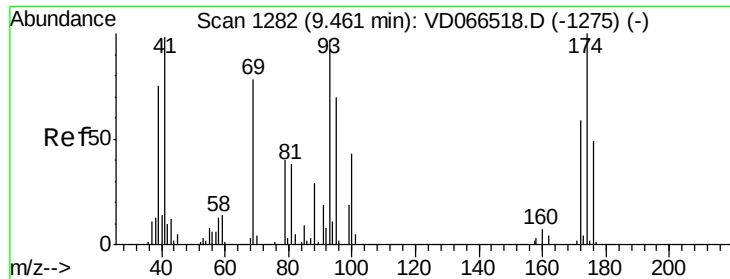
Delta R.T. -0.01 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Tgt Ion:	41	Resp:	12844
Ion	Ratio	Lower	Upper
41	100		
69	89.8	71.1	106.7
39	82.7	75.4	113.2





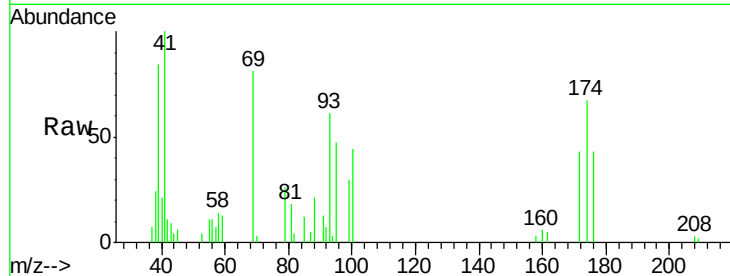
#49
1,4-Dioxane
Concen: 349.347 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	88	Resp	3036
Ion	Ratio	Lower	Upper
88	100		
43	45.7	33.8	50.6
58	64.1	46.2	69.4

Manual Integrations
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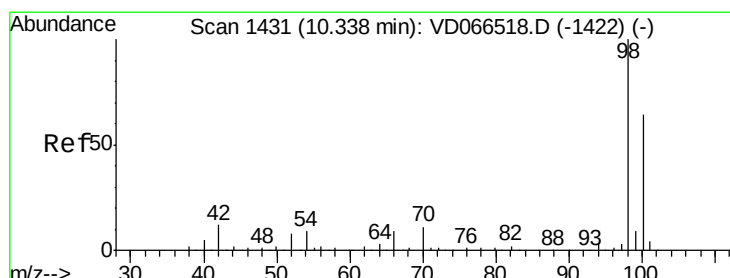
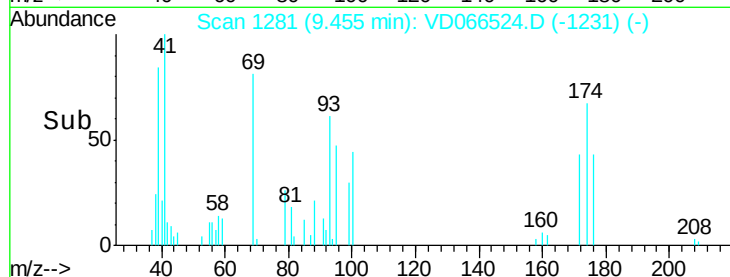
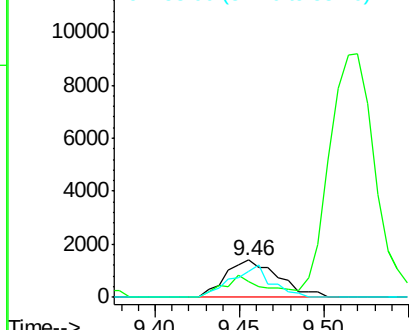


Abundance

Ion 88.00 (87.70 to 88.70): VDC

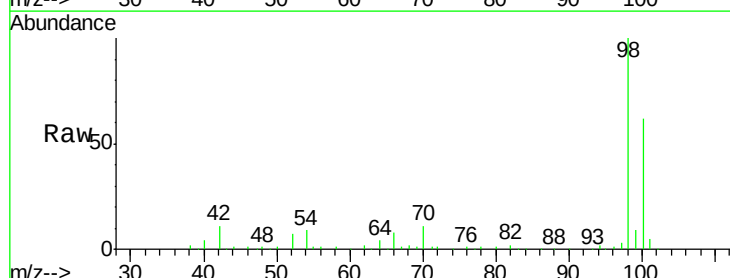
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 55.418 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

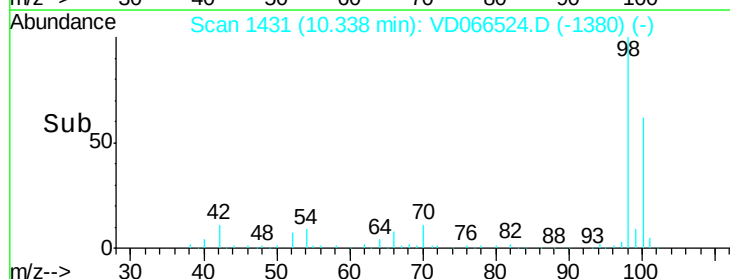
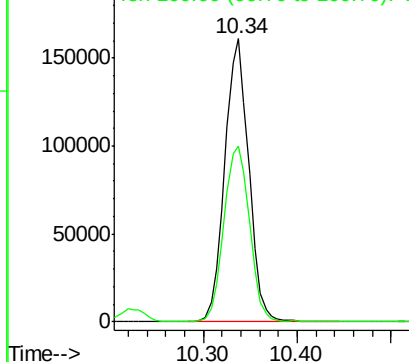
Tgt Ion	98	Resp	286067
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.8	79.2

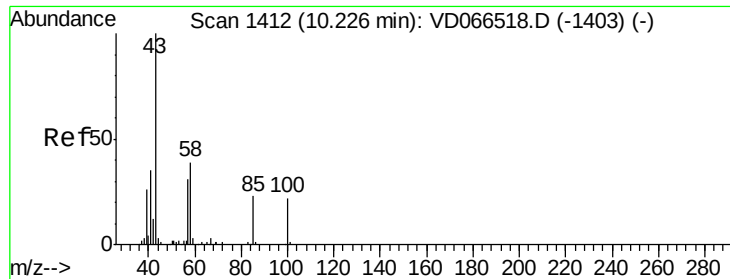


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 99.607 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 43 Resp: 57705

Ion Ratio Lower Upper

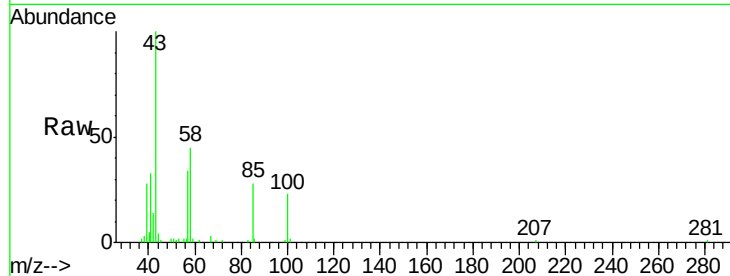
43 100

58 41.6 31.5 47.3

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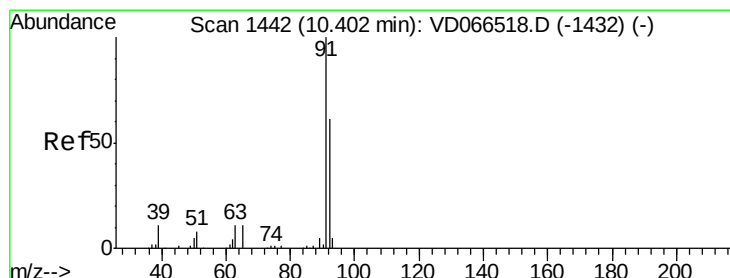
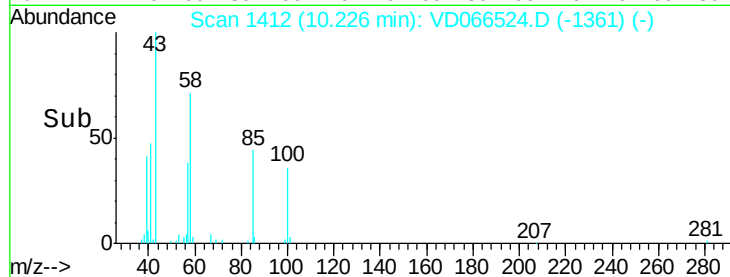
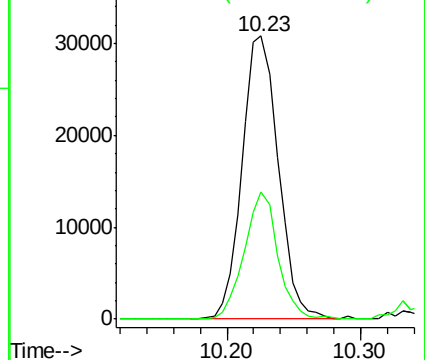
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 20.989 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD066524.D

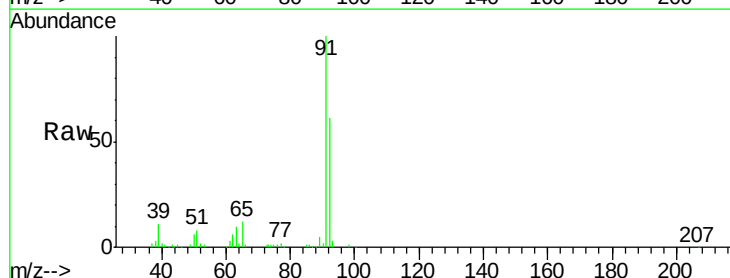
Acq: 02 Sep 2020 15:53

Tgt Ion: 92 Resp: 77165

Ion Ratio Lower Upper

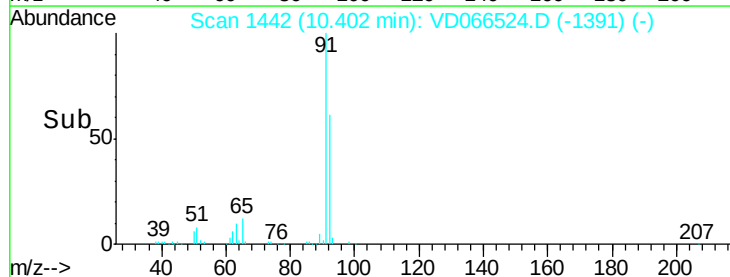
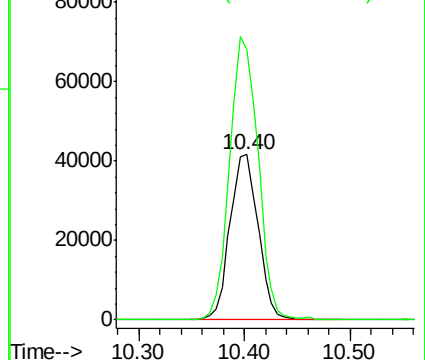
92 100

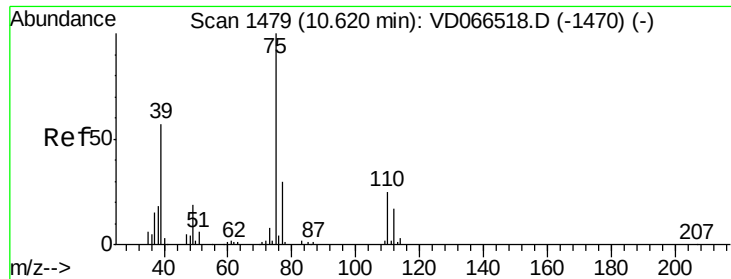
91 171.8 135.0 202.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





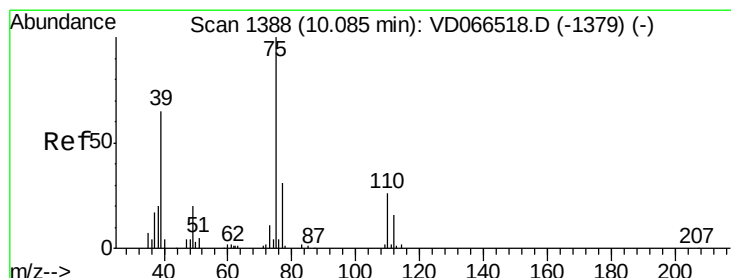
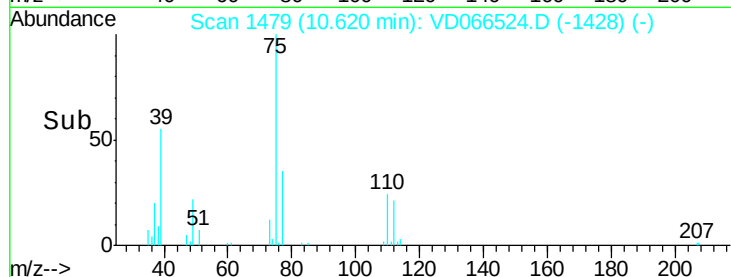
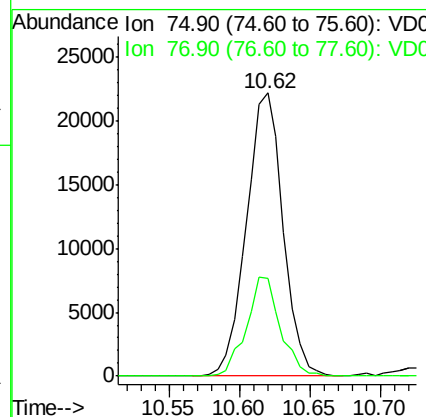
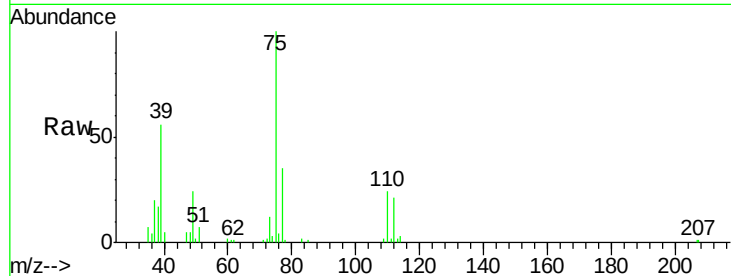
#53
t-1,3-Dichloropropene
Concen: 19.772 ug/l
RT: 10.62 min Scan# 1479
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBSD01

Tot Ion: 75 Resp: 40310
Ion Ratio Lower Upper
75 100
77 34.7 23.7 35.5

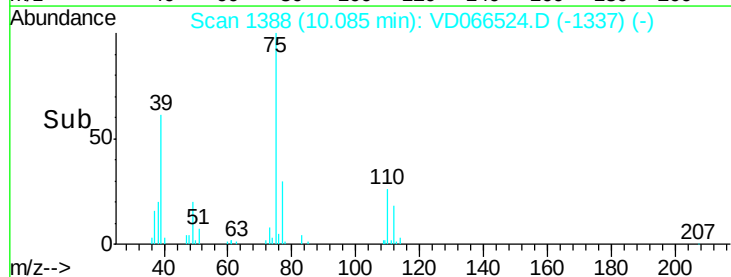
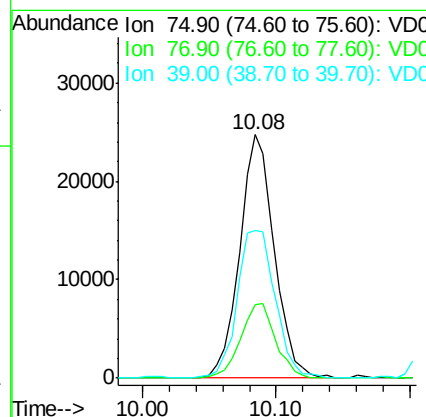
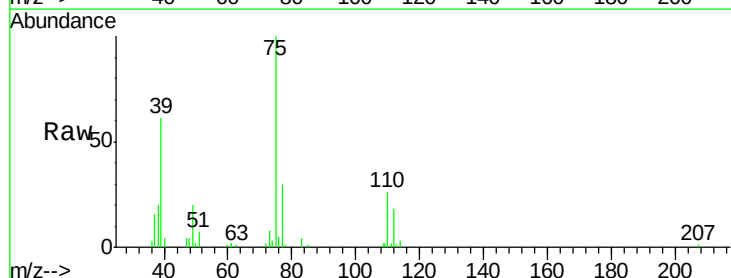
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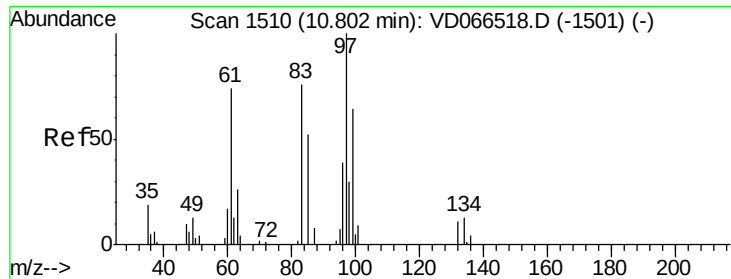
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#54
cis-1,3-Dichloropropene
Concen: 20.605 ug/l
RT: 10.08 min Scan# 1388
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion: 75 Resp: 44256
Ion Ratio Lower Upper
75 100
77 29.9 24.5 36.7
39 60.7 52.4 78.6





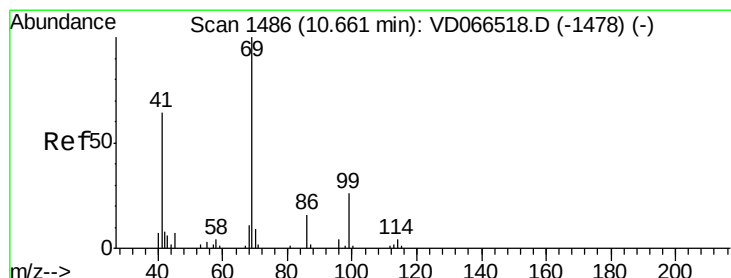
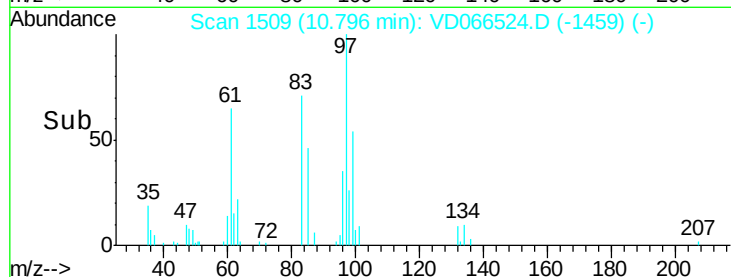
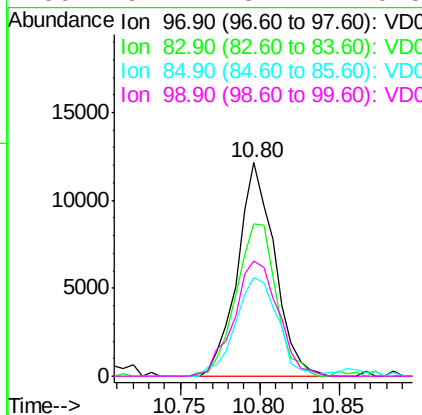
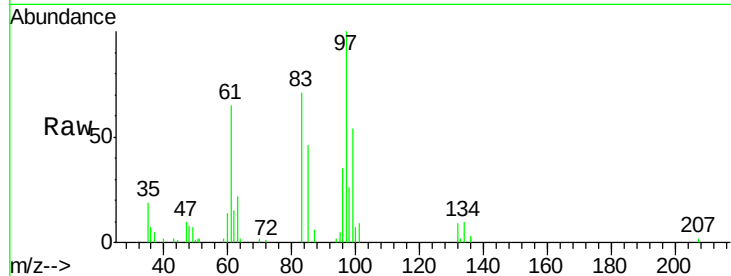
#55
 1,1,2-Trichloroethane
 Concen: 20.830 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion:	97	Resp:	19761
Ion	Ratio	Lower	Upper
97	100		
83	71.5	61.2	91.8
85	46.1	42.0	63.0
99	54.1	51.2	76.8

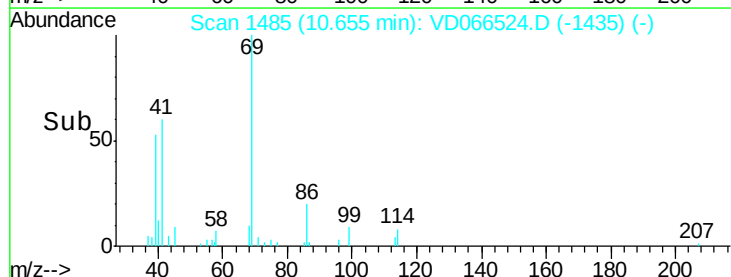
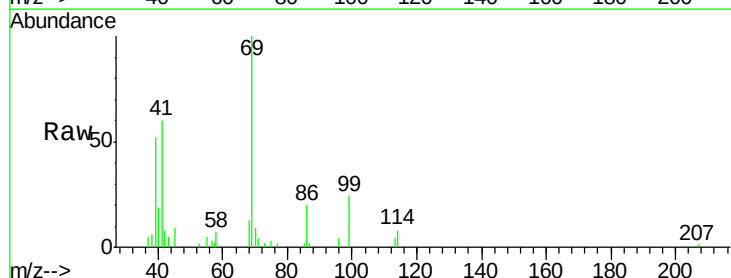
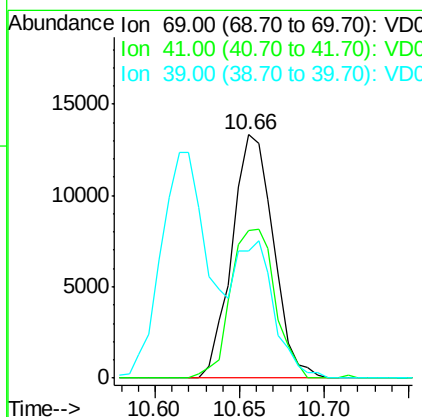
Manual Integrations
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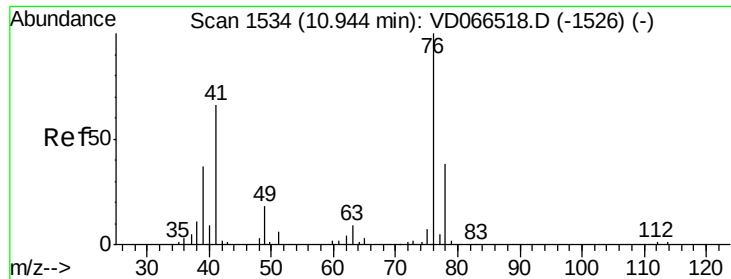
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 9/3/2020 4:57:25 PM



#56
 Ethyl methacrylate
 Concen: 20.348 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. -0.01 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion:	69	Resp:	22719
Ion	Ratio	Lower	Upper
69	100		
41	65.7	52.5	78.7
39	50.3	42.1	63.1





#57

1,3-Dichloropropane

Concen: 21.015 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion: 76 Resp: 32924

Ion Ratio Lower Upper

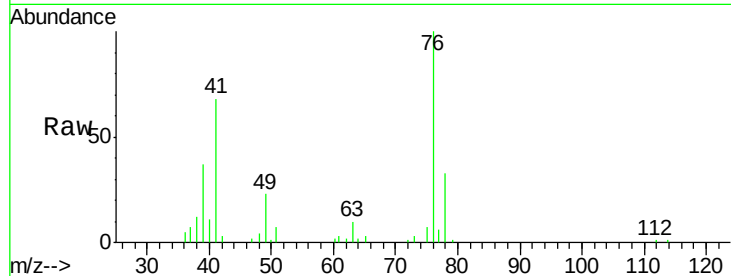
76 100

78 29.2 28.2 42.2

Manual Integrations
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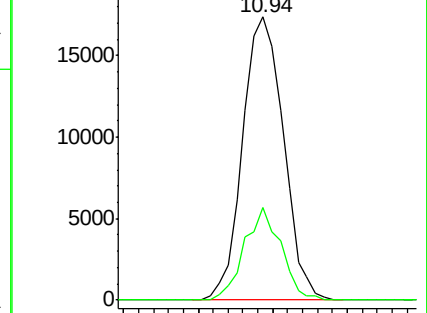
MMDadoda

9/3/2020 4:57:25 PM

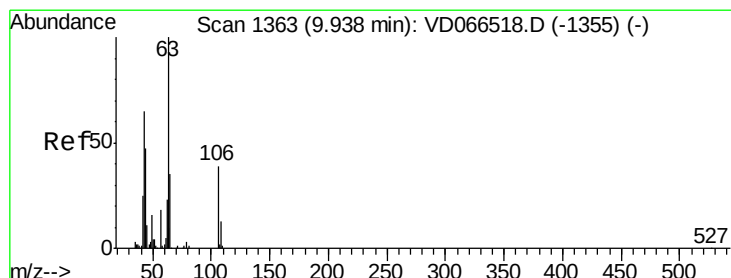
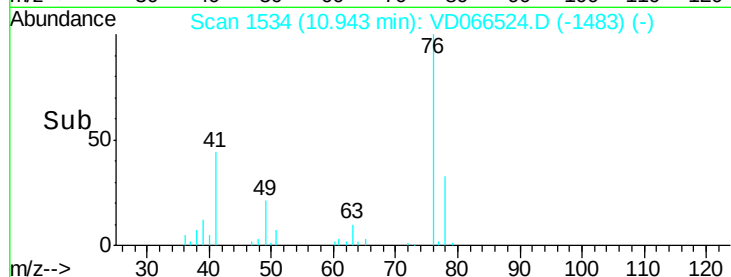


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time--> 10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 112.906 ug/l

RT: 9.94 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VD066524.D

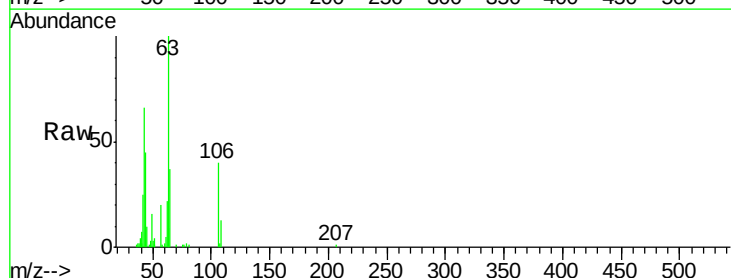
Acq: 02 Sep 2020 15:53

Tgt Ion: 63 Resp: 49208

Ion Ratio Lower Upper

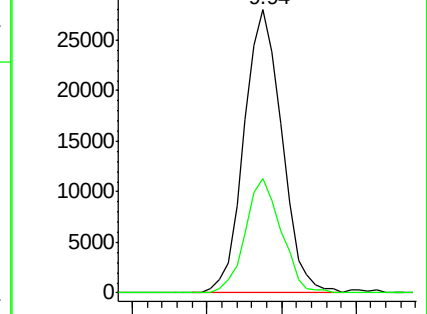
63 100

106 38.4 32.1 48.1

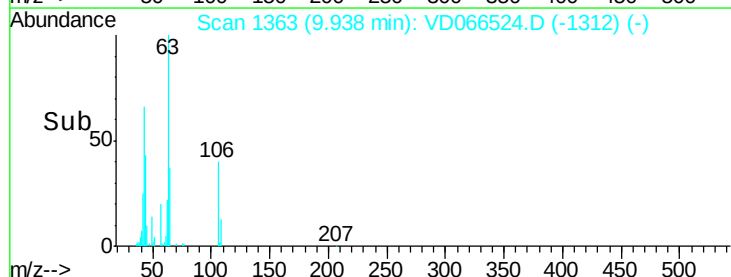


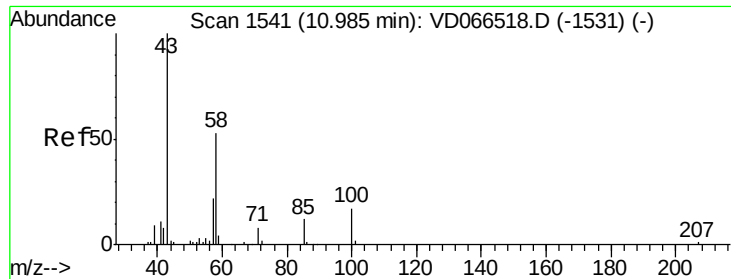
Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V



Time--> 9.85 9.90 9.95 10.00





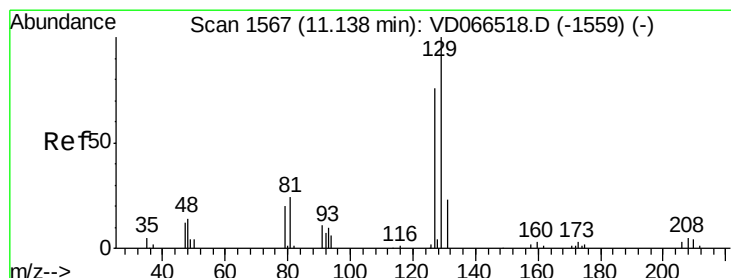
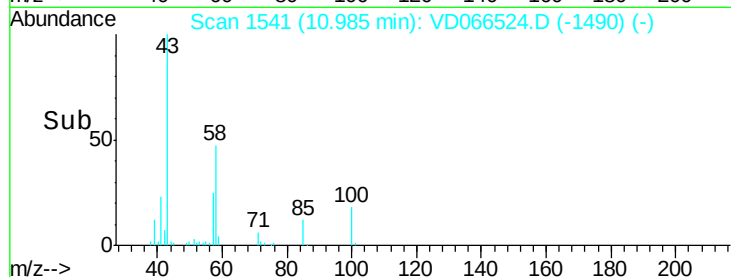
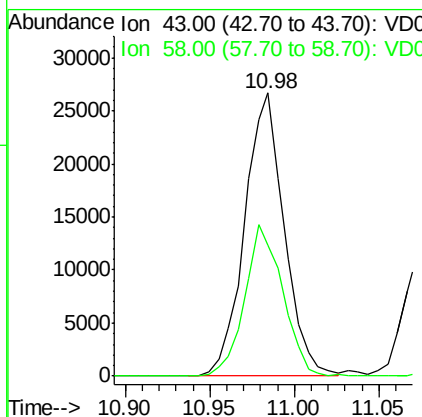
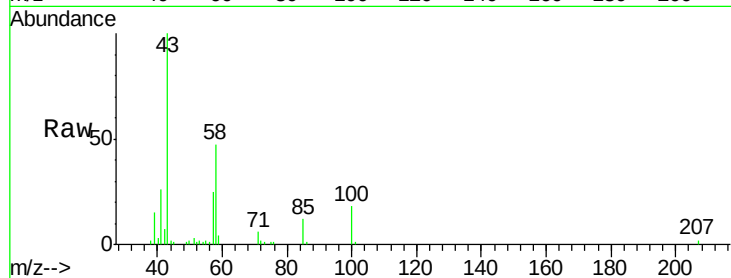
#59
2-Hexanone
Concen: 103.806 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBSD01

Tot Ion: 43 Resp: 43433
Ion Ratio Lower Upper
43 100
58 51.4 25.7 77.0

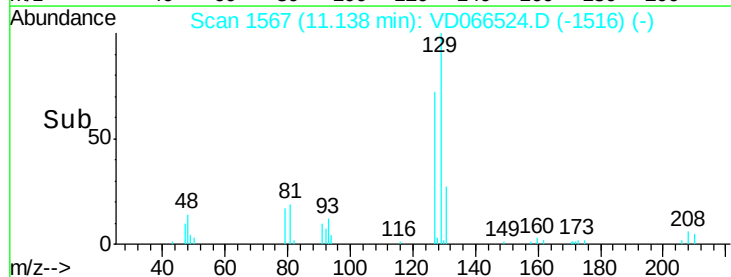
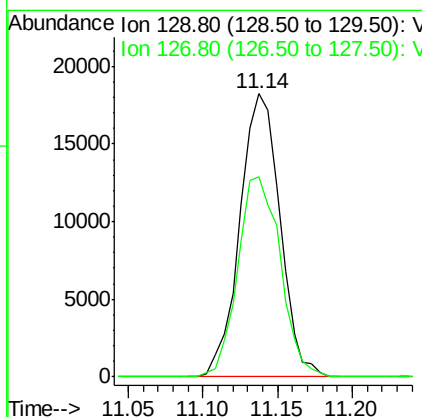
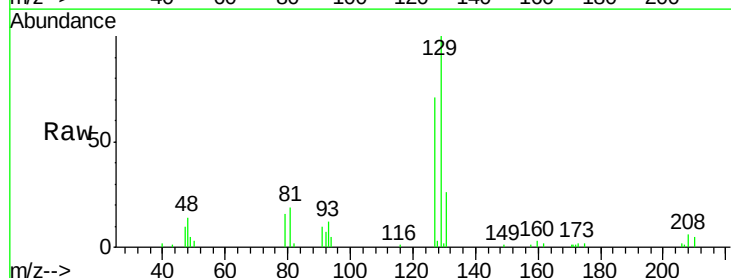
Manual Integrations
APPROVED

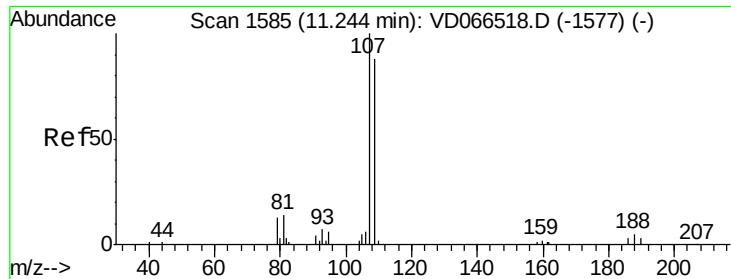
MMDadoda
9/3/2020 4:57:25 PM



#60
Dibromochloromethane
Concen: 21.642 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion: 129 Resp: 33951
Ion Ratio Lower Upper
129 100
127 74.9 38.2 114.6





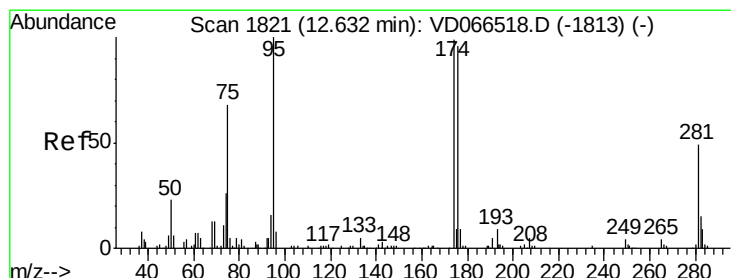
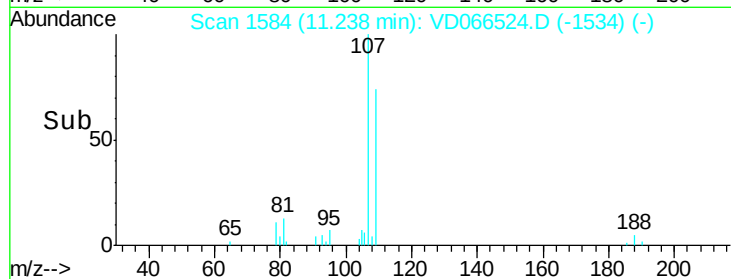
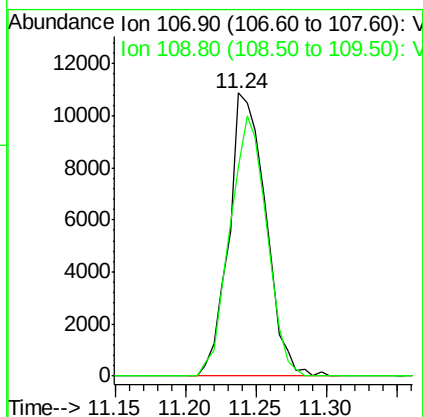
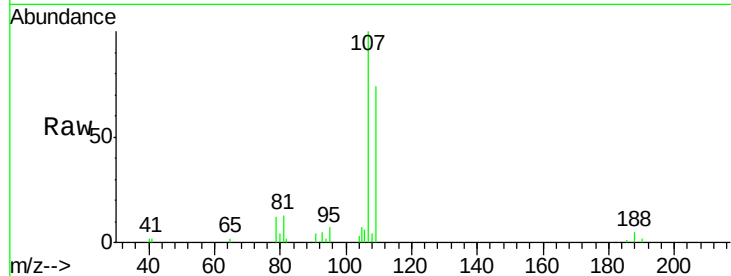
#61
 1,2-Dibromoethane
 Concen: 20.435 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.01 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	75.8	113.8

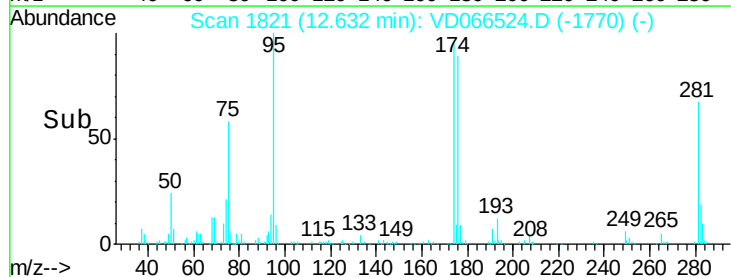
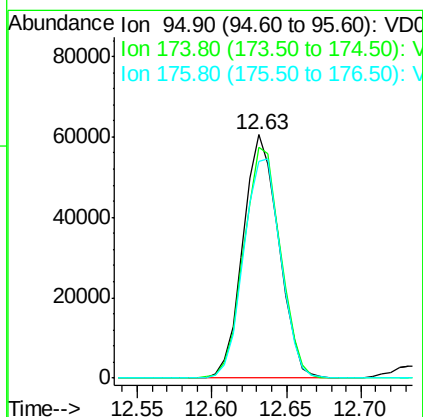
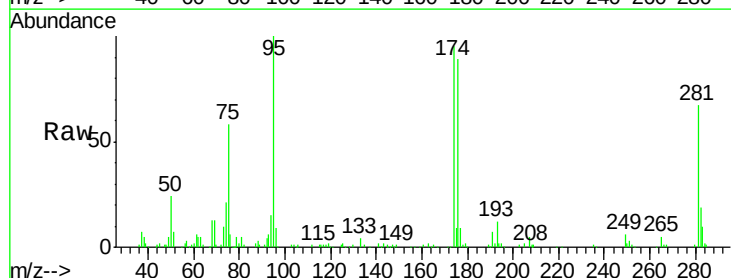
Manual Integrations
 APPROVED

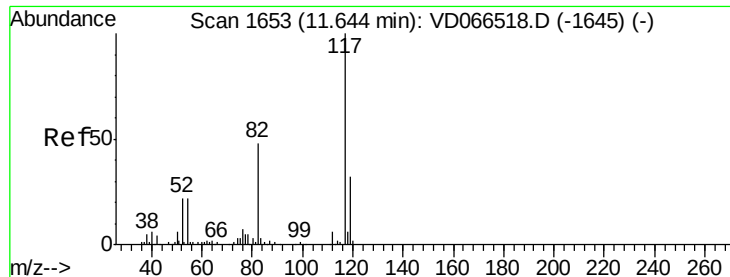
MMDadoda
 9/3/2020 4:57:25 PM



#62
 4-Bromofluorobenzene
 Concen: 54.513 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	96.9	0.0	203.2
176	93.2	0.0	198.6





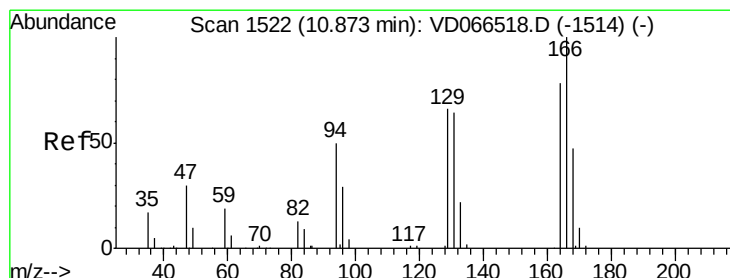
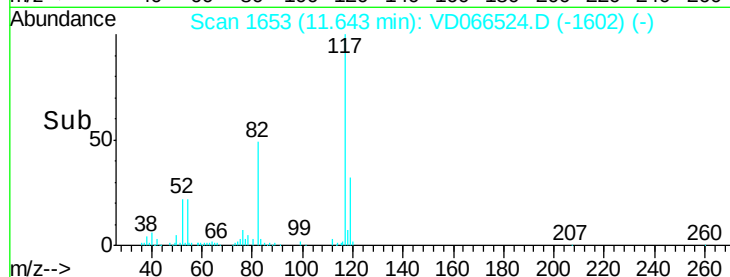
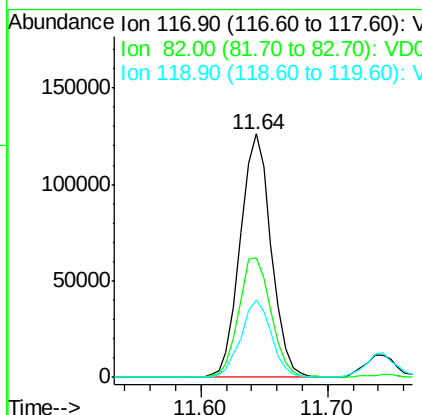
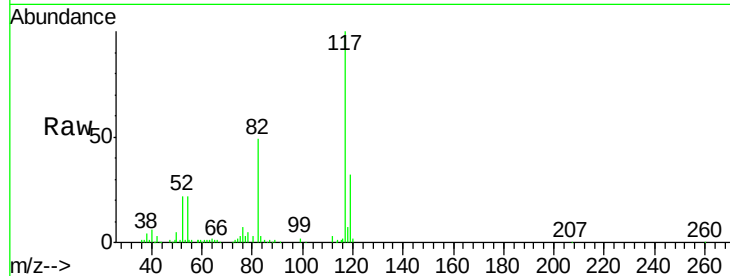
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	49.2	38.5	57.7
119	31.8	25.9	38.9

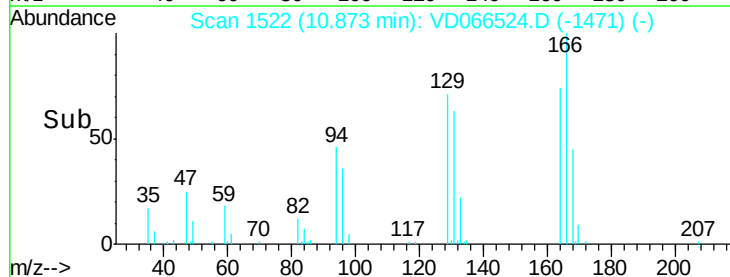
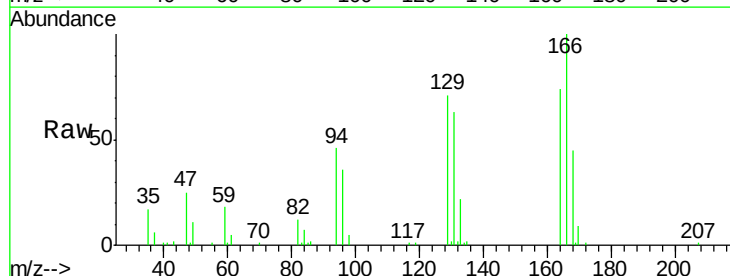
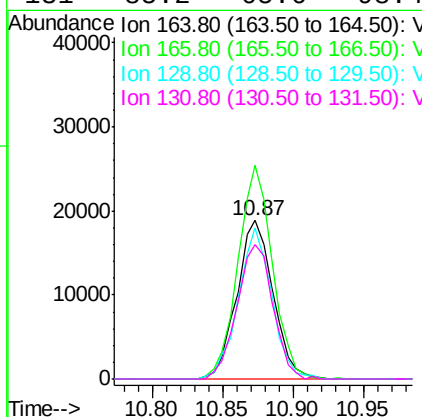
Manual Integrations
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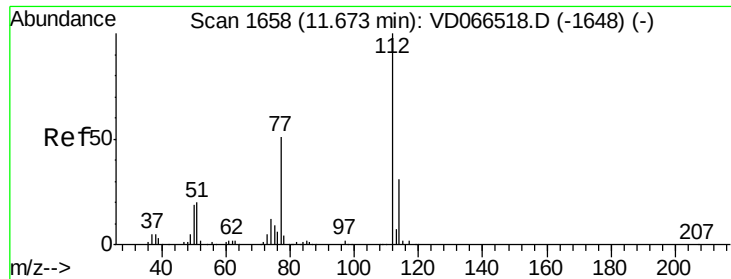
MMDadoda
9/3/2020 4:57:25 PM



#64
Tetrachloroethene
Concen: 20.260 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.8	103.0	154.6
129	95.6	68.3	102.5
131	85.2	65.6	98.4





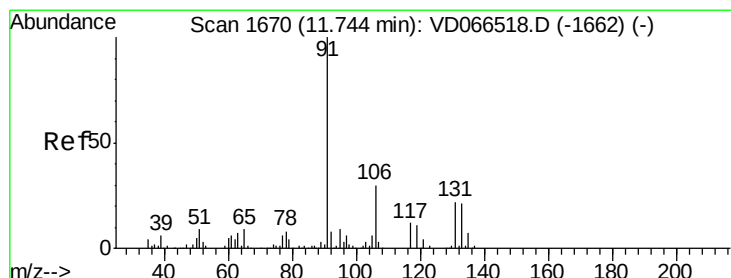
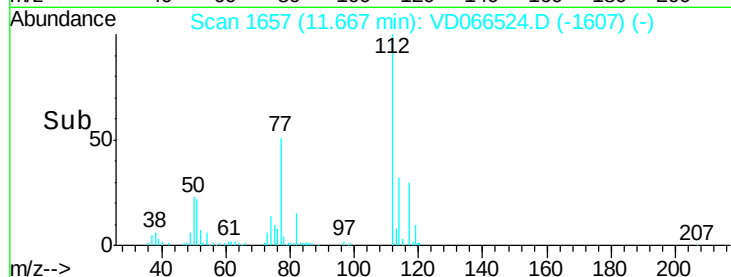
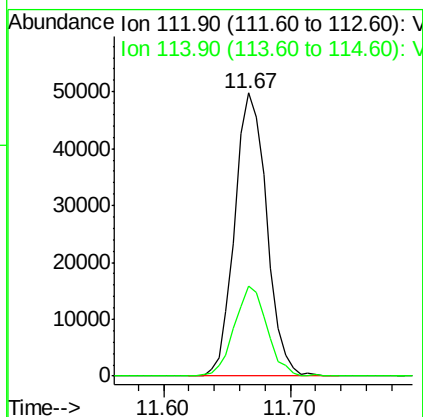
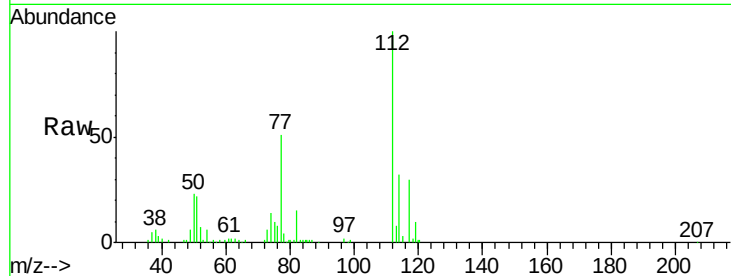
#65
Chlorobenzene
Concen: 20.714 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.6	24.8	37.2

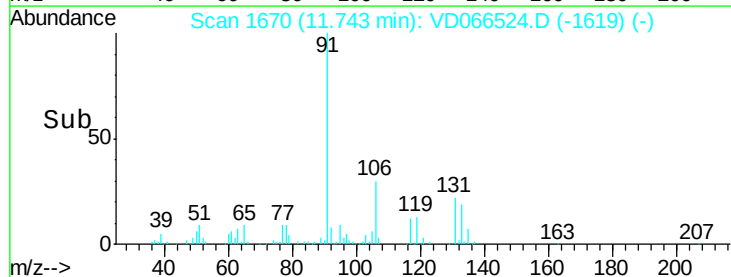
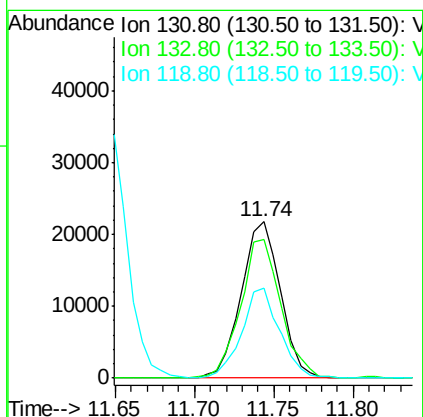
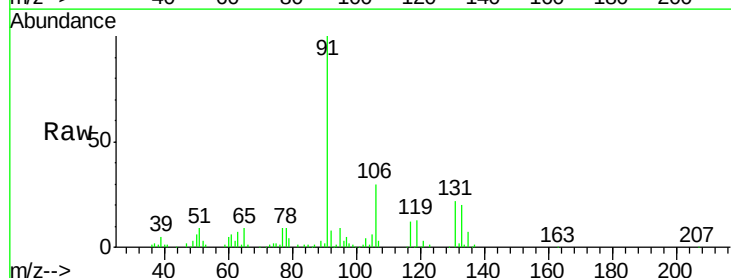
Manual Integrations
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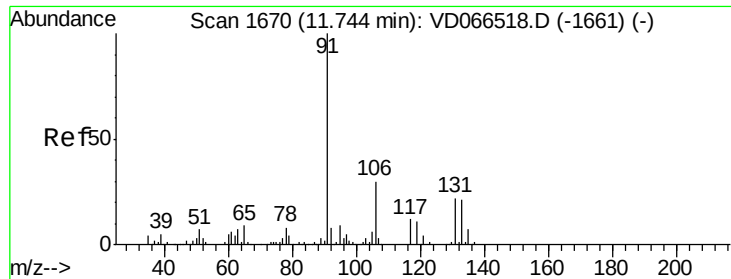
MMDadoda
9/3/2020 4:57:25 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.977 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
131	100		
133	91.6	47.5	142.5
119	55.8	27.2	81.6





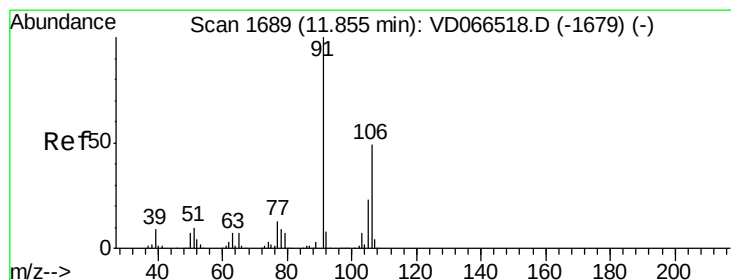
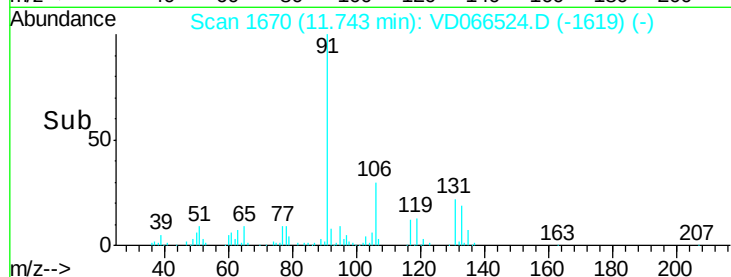
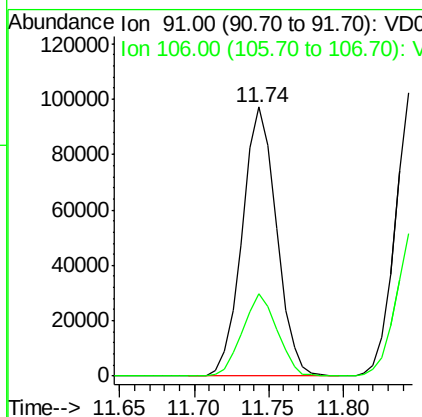
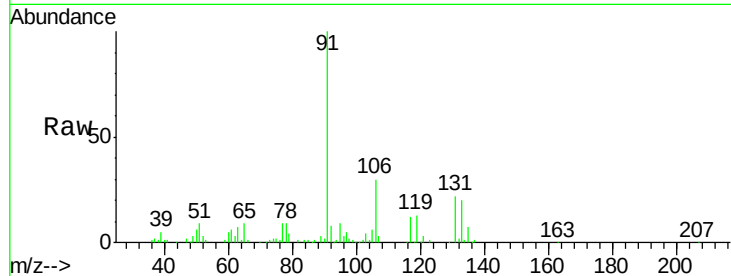
#67
Ethyl Benzene
Concen: 20.876 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion: 91 Resp: 154615
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0

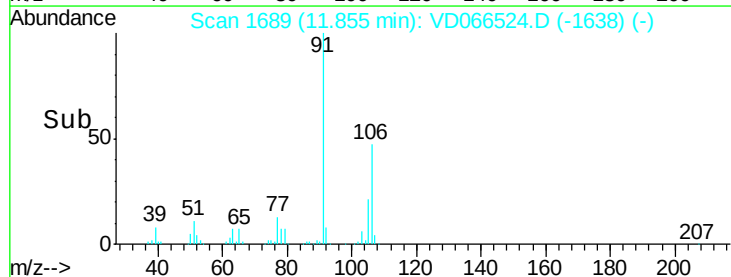
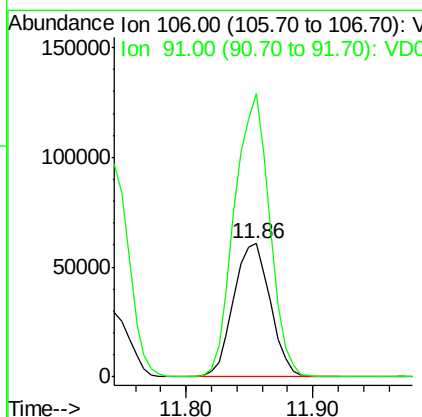
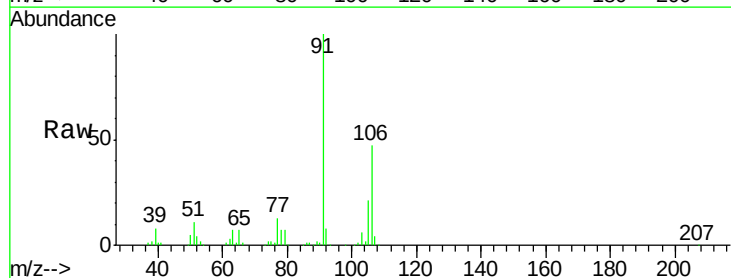
Manual Integrations
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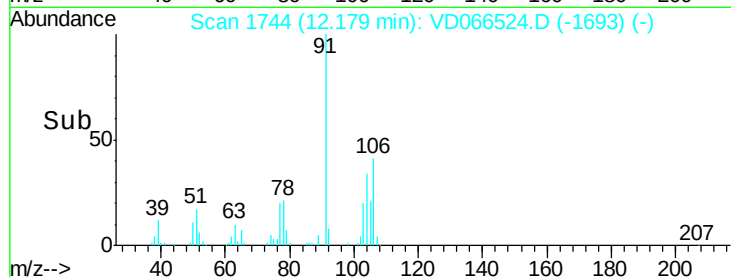
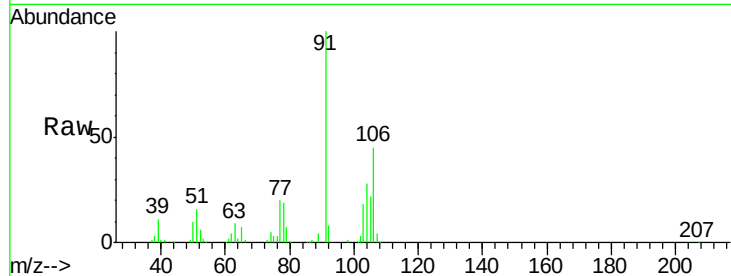
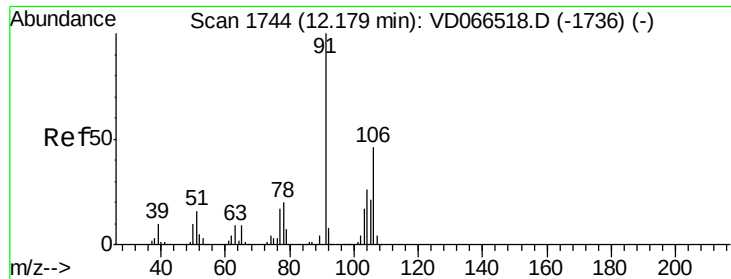
MMDadoda
9/3/2020 4:57:25 PM



#68
m/p-Xylenes
Concen: 42.482 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion: 106 Resp: 121737
Ion Ratio Lower Upper
106 100
91 203.6 163.3 244.9





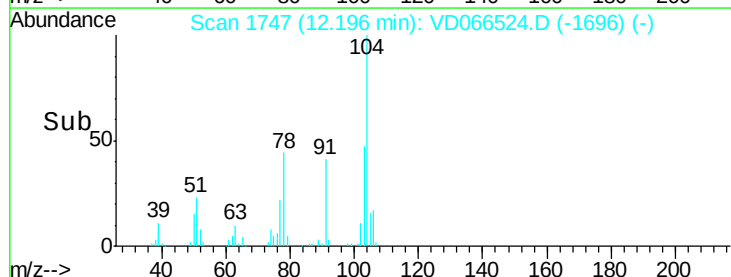
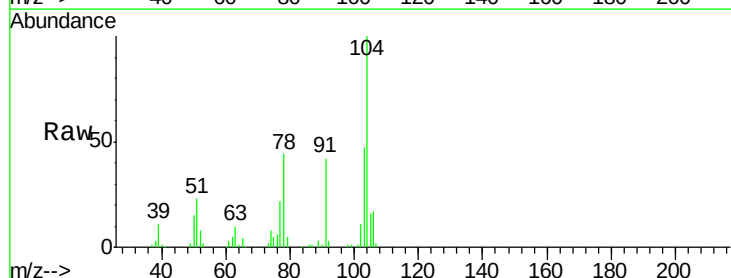
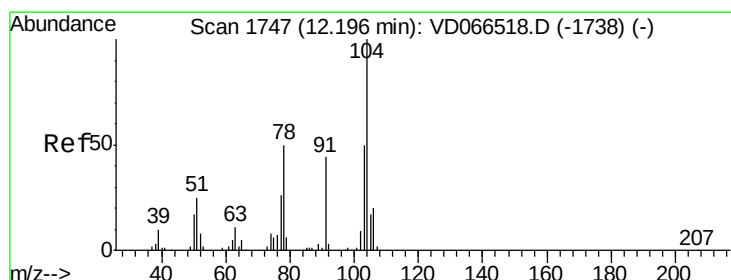
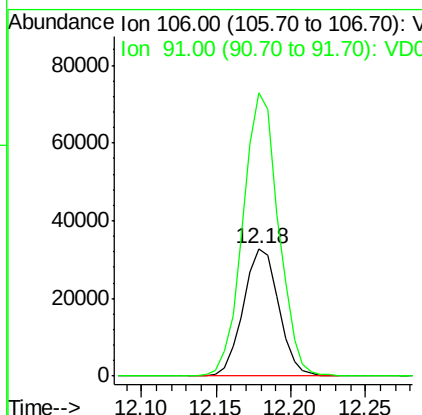
#69
o-Xylene
Concen: 19.946 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tot Ion:106 Resp: 54143
Ion Ratio Lower Upper
106 100
91 221.9 108.7 326.3

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

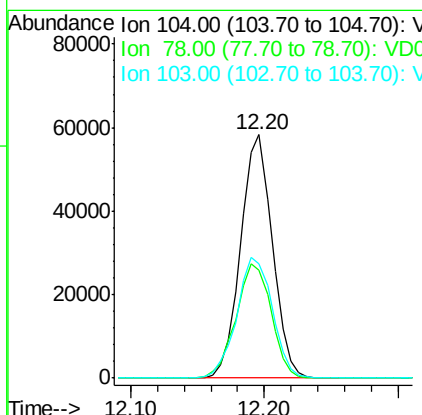
Manual Integrations
APPROVED

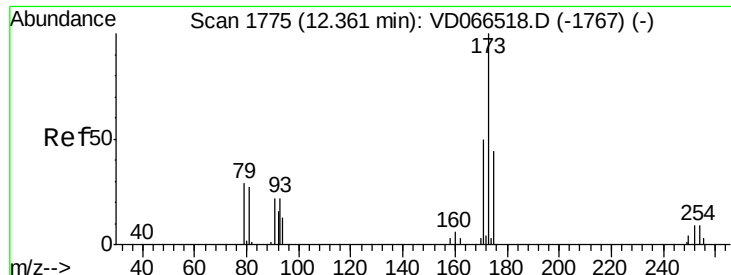
MMDadoda
9/3/2020 4:57:25 PM



#70
Styrene
Concen: 20.644 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion:104 Resp: 95939
Ion Ratio Lower Upper
104 100
78 52.3 44.3 66.5
103 55.7 44.1 66.1





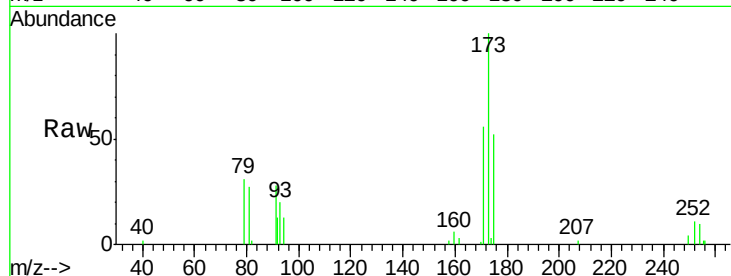
#71
Bromoform
Concen: 20.356 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.6	22.3	66.8
254	0.0	0.0	0.0

Manual Integrations
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9/3/2020 4:57:25 PM

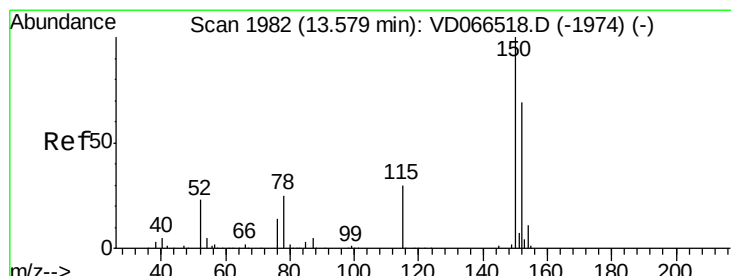
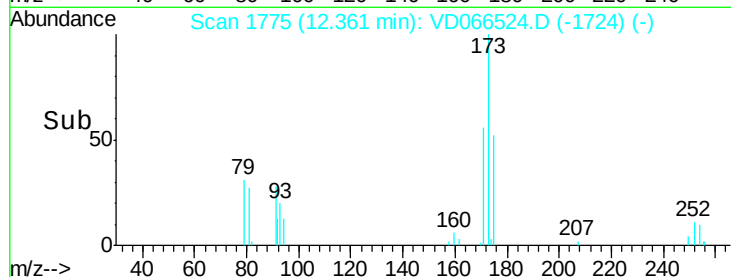
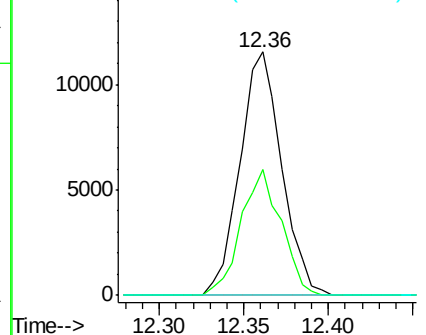


Abundance

Ion 172.70 (172.40 to 173.40): V

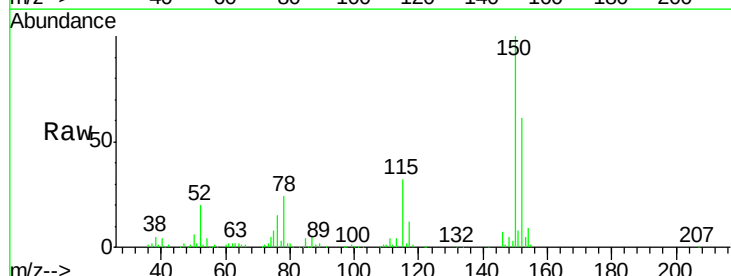
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	28.9	86.8
150	166.0	0.0	339.6

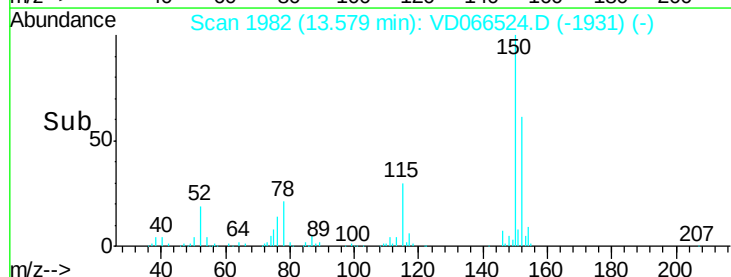
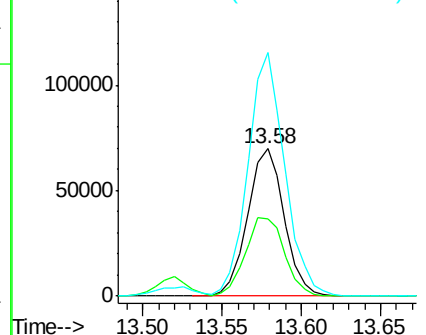


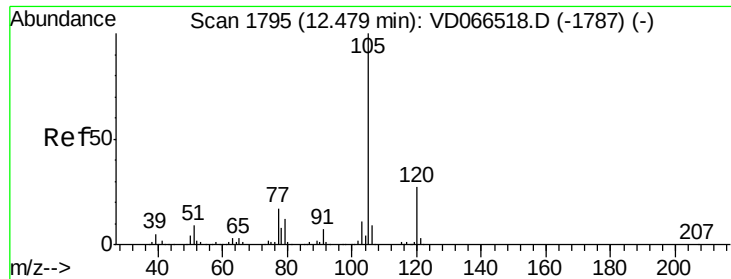
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.180 ug/l

RT: 12.48 min Scan# 1795

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion:105 Resp: 158140

Ion Ratio Lower Upper

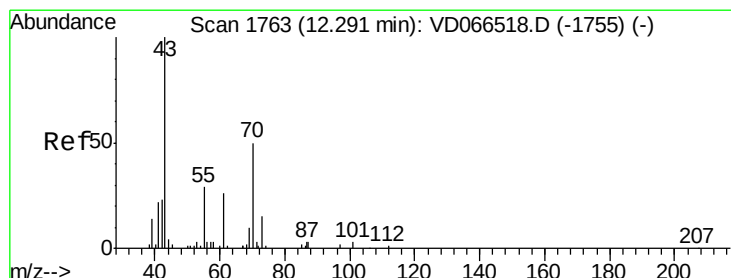
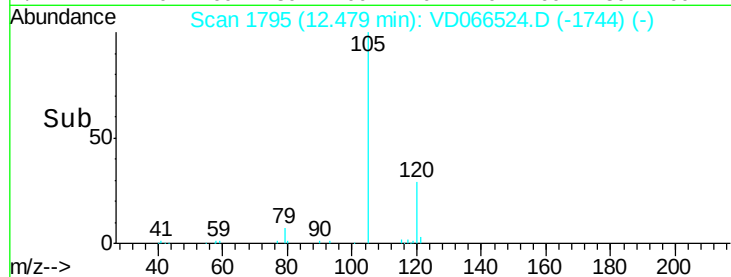
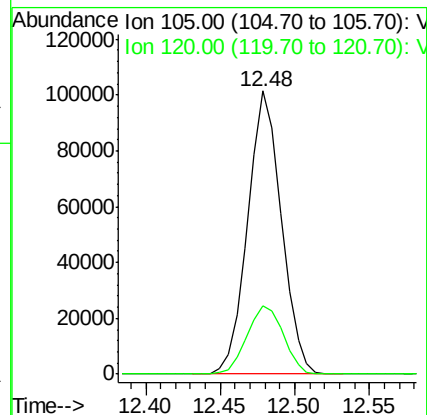
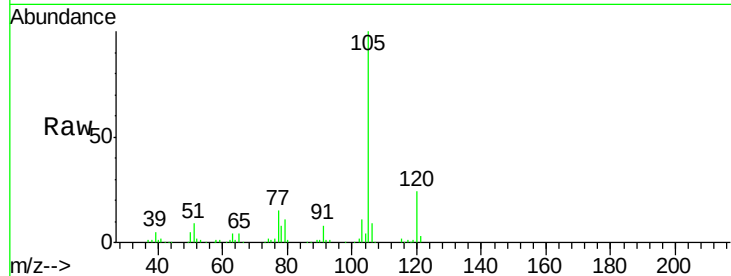
105 100

120 26.0 13.5 40.5

Manual Integrations
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#74

N-ethyl acetate

Concen: 19.714 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Tgt Ion: 43 Resp: 22195

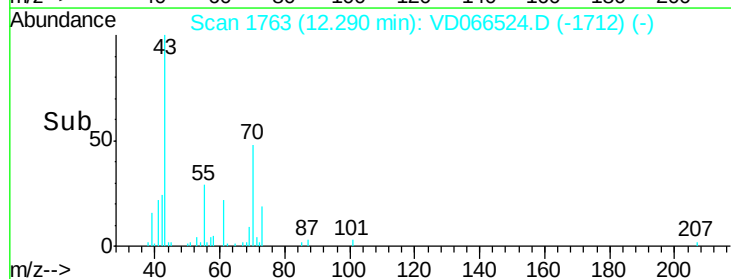
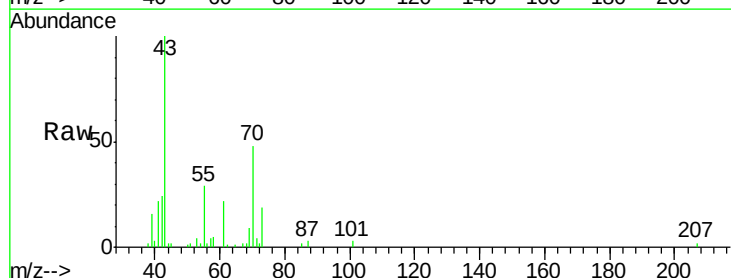
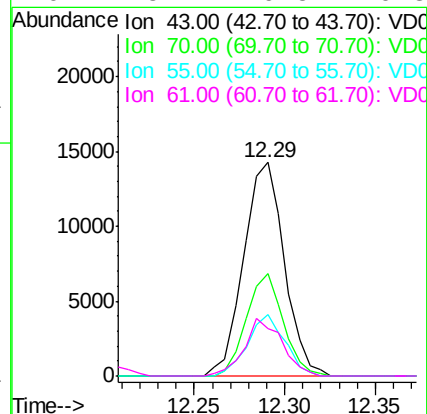
Ion Ratio Lower Upper

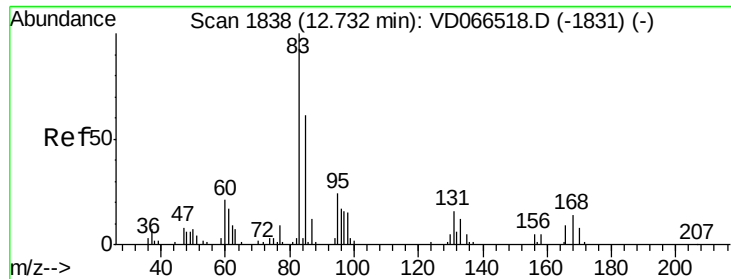
43 100

70 43.6 36.2 54.2

55 26.3 20.6 30.8

61 25.1 19.5 29.3





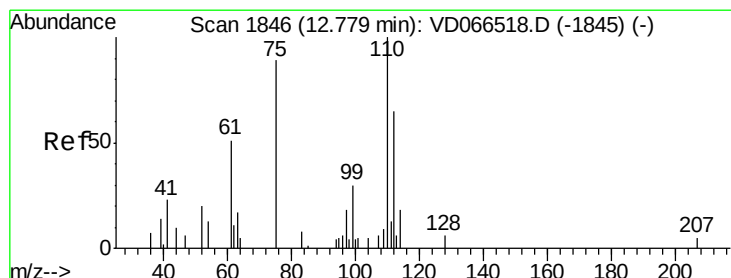
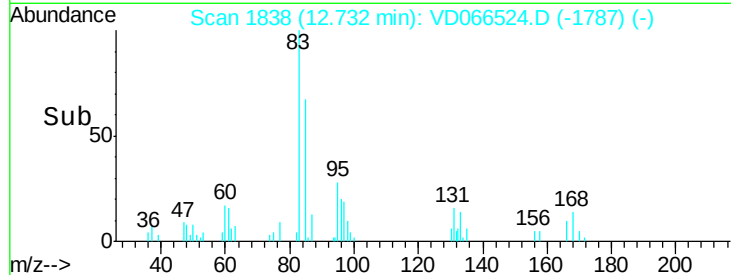
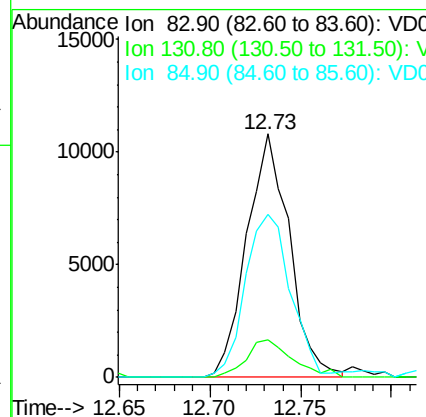
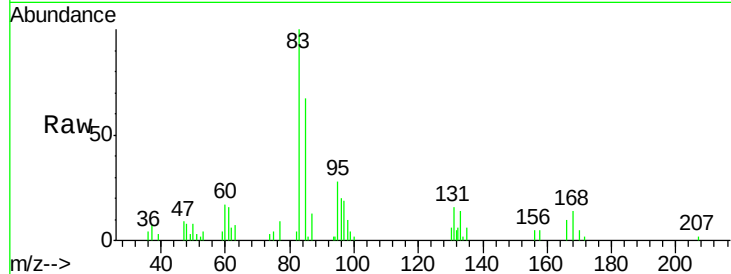
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.071 ug/l
 RT: 12.73 min Scan# 1838
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBSD01

Tot Ion	83	Resp	17708
Ion Ratio	100	Lower	Upper
83	100		
131	16.8	8.3	24.9
85	71.2	32.6	97.7

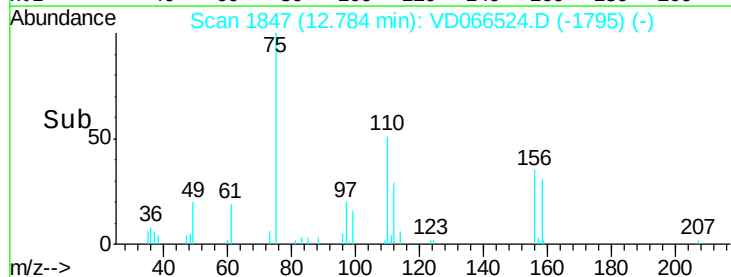
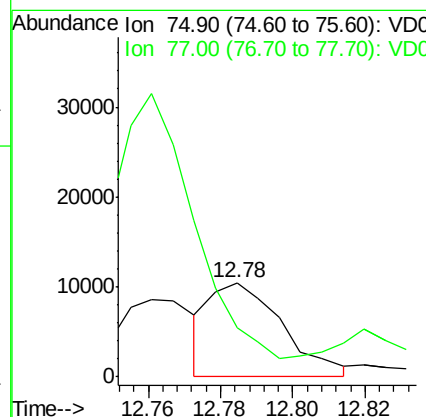
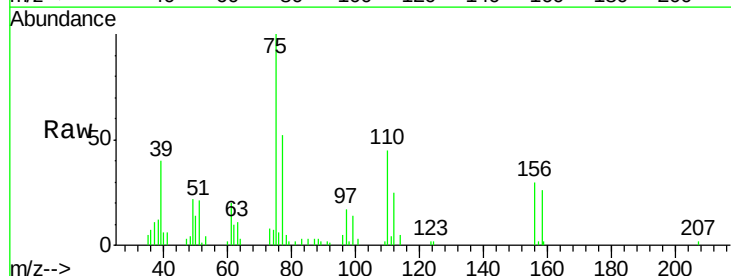
Manual Integrations
 APPROVED

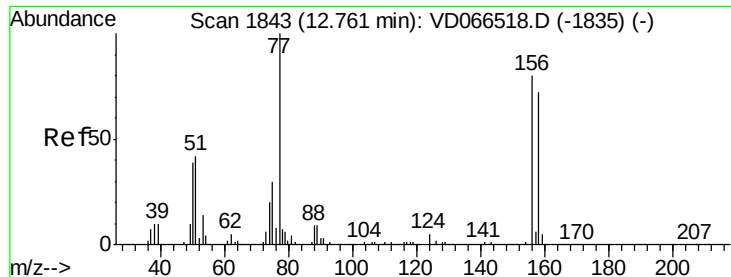
MMDadoda
 9/3/2020 4:57:25 PM



#76
 1,2,3-Trichloropropane
 Concen: 20.756 ug/l m
 RT: 12.78 min Scan# 1847
 Delta R.T. 0.01 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	75	Resp	14590
Ion Ratio	100	Lower	Upper
75	100		
77	383.8	196.9	590.7





#77

Bromobenzene

Concen: 21.187 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

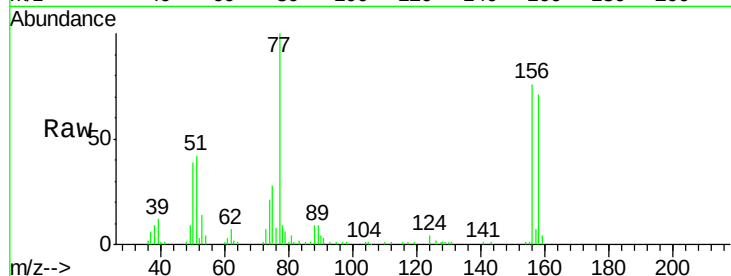
ClientSampleId :

VD0902SBSD01

Tot Ion:	156	Resp:	40143
Ion	Ratio	Lower	Upper
156	100		
77	139.5	71.0	213.2
158	95.8	49.5	148.7

Manual Integrations
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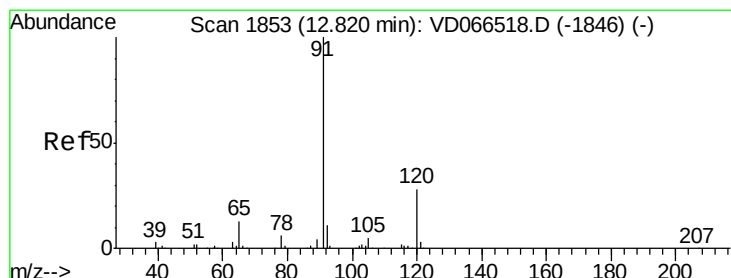
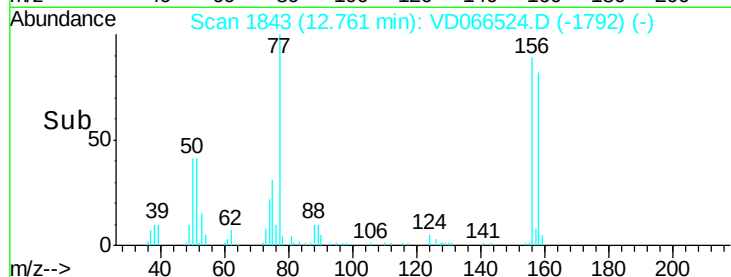
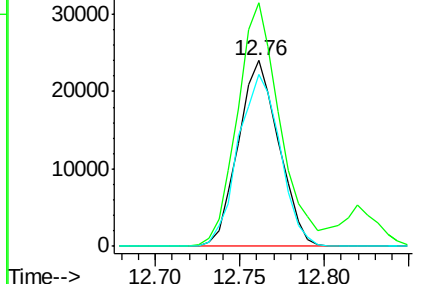
MMDadoda
9/3/2020 4:57:25 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.754 ug/l

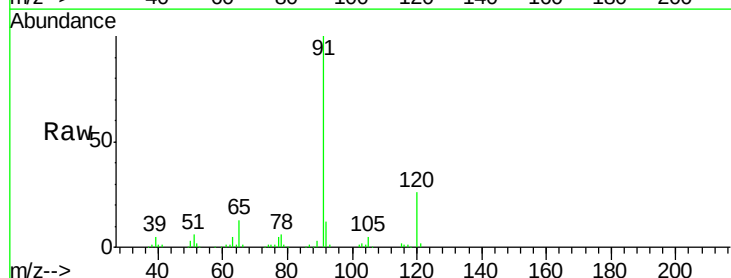
RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066524.D

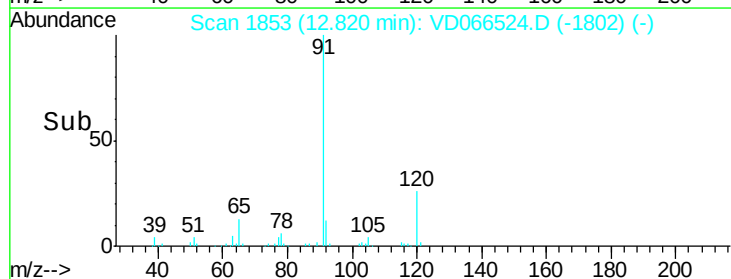
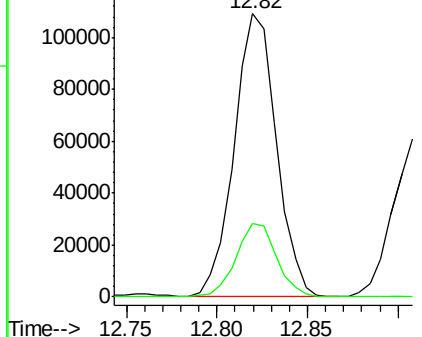
Acq: 02 Sep 2020 15:53

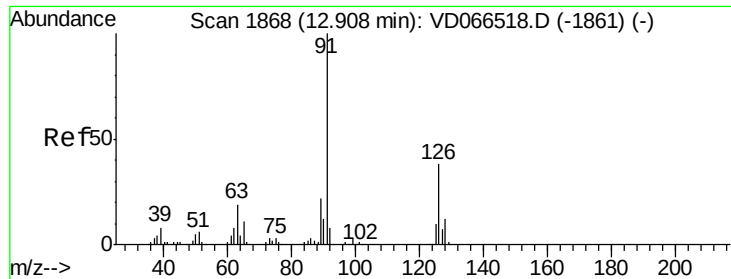
Tgt Ion:	91	Resp:	176997
Ion	Ratio	Lower	Upper
91	100		
120	24.9	13.0	39.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.920 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBSD01

Tot Ion: 91 Resp: 98481

Ion Ratio Lower Upper

91 100

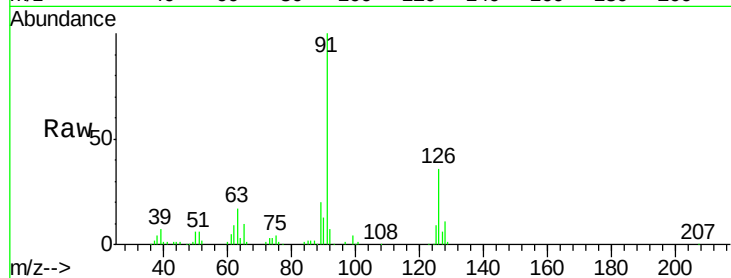
126 35.6 18.7 56.1

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VD066518.D (-1861) (-)

Ion 125.90 (125.60 to 126.60): VD066518.D (-1861) (-)

80000

60000

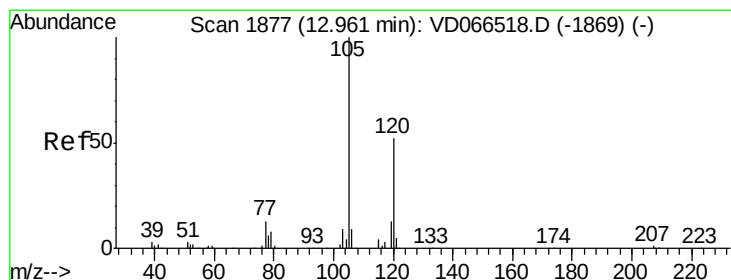
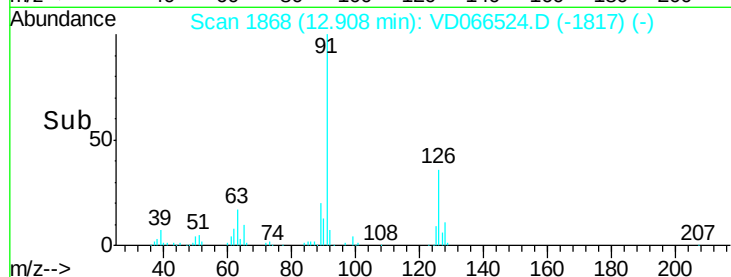
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 21.209 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD066524.D

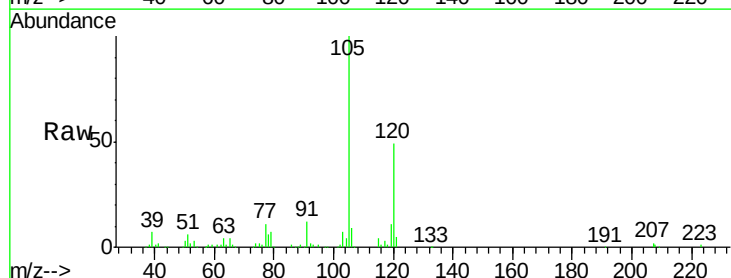
Acq: 02 Sep 2020 15:53

Tgt Ion:105 Resp: 137677

Ion Ratio Lower Upper

105 100

120 49.5 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VD066518.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD066518.D (-1869) (-)

100000

80000

60000

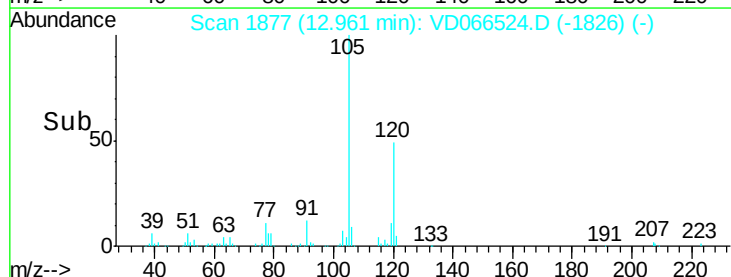
40000

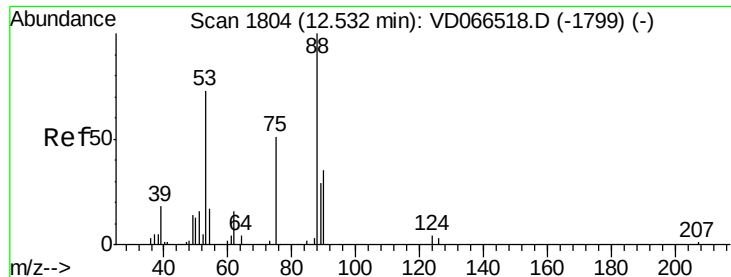
20000

0

12.90 12.95 13.00

Time-->





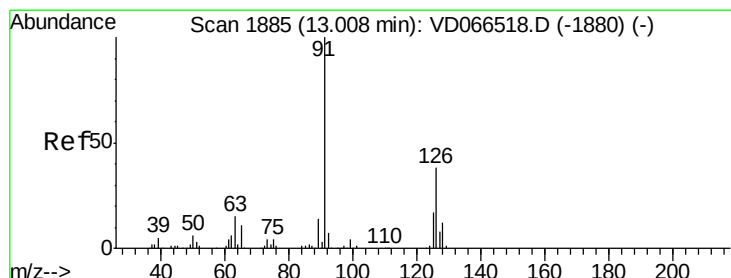
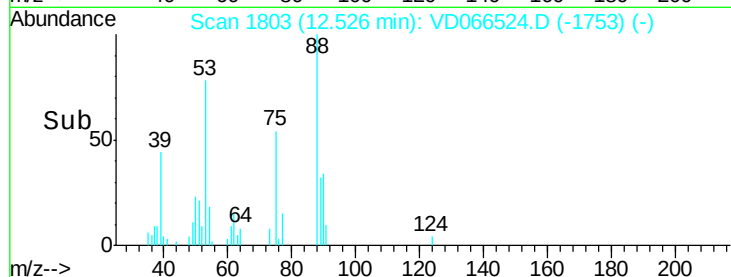
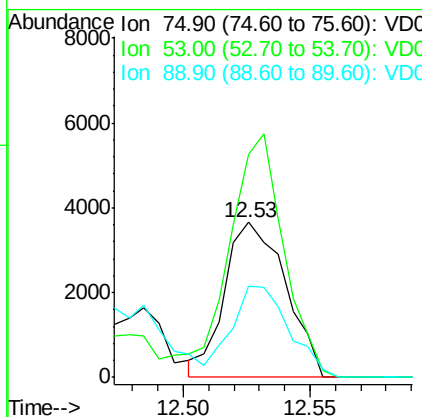
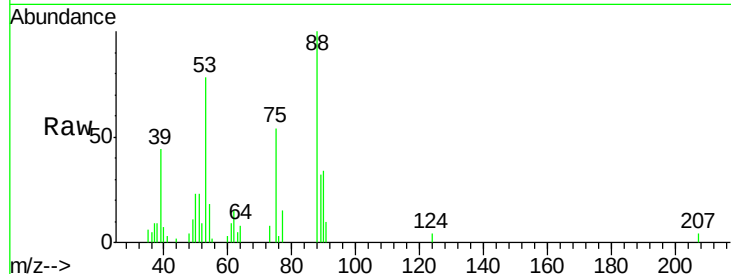
#81
trans-1,4-Dichloro-2-butene
Concen: 19.392 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.01 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	141.4	101.8	152.8
89	55.5	46.0	69.0

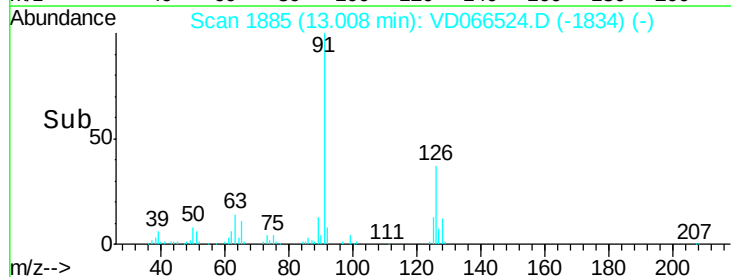
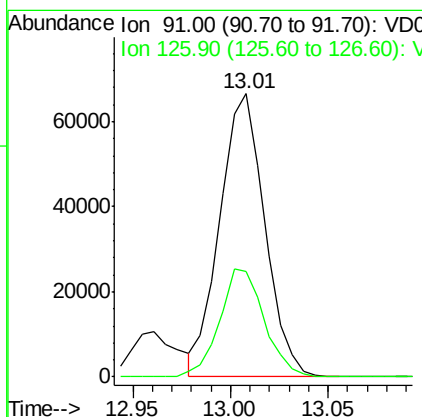
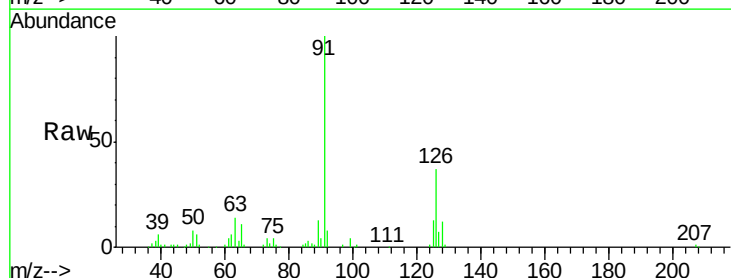
Manual Integrations
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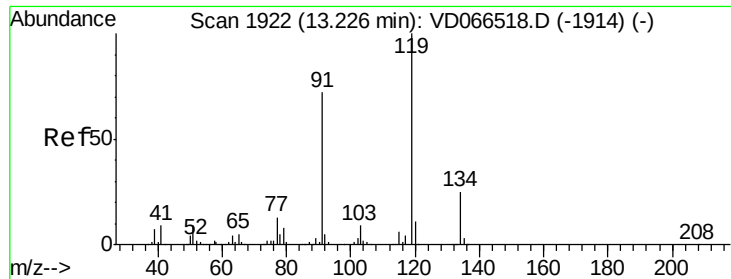
MMDadoda
9/3/2020 4:57:25 PM



#82
4-Chlorotoluene
Concen: 21.000 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.8	18.2	54.6





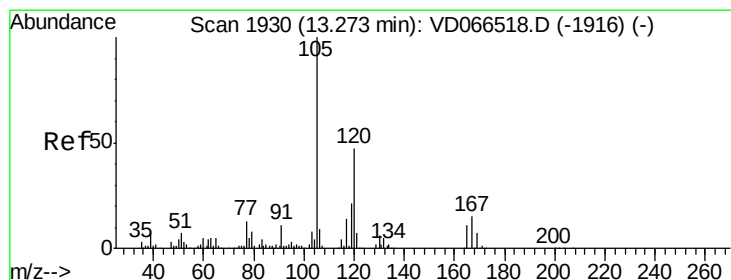
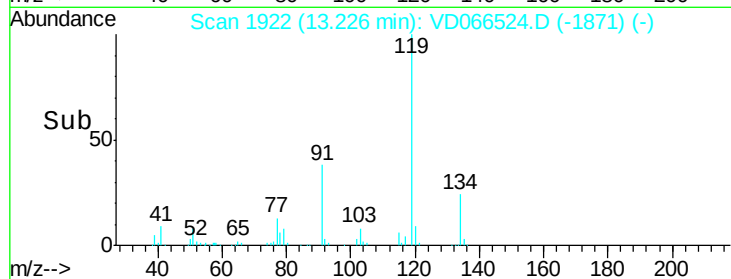
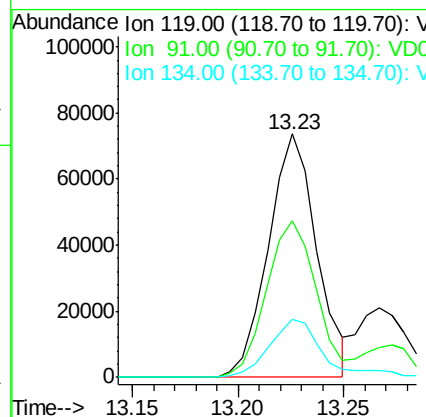
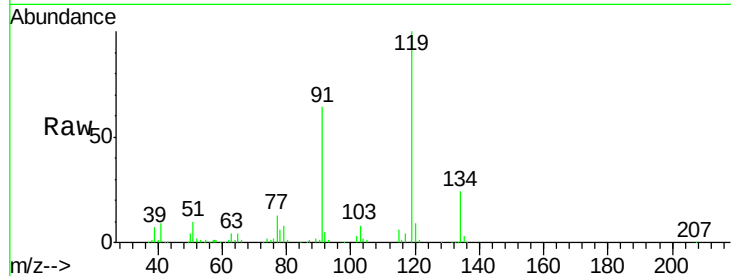
#83
 tert-Butylbenzene
 Concen: 20.582 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	117185		
91	67.6	34.4	103.2	
134	26.7	13.5	40.4	

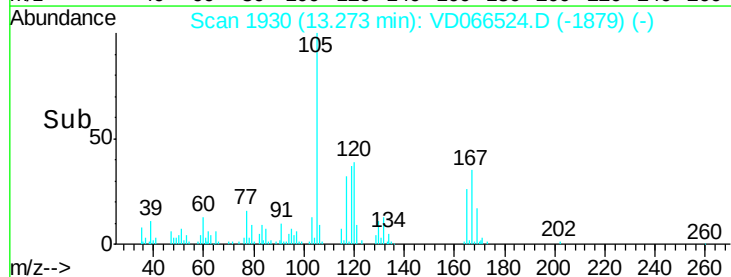
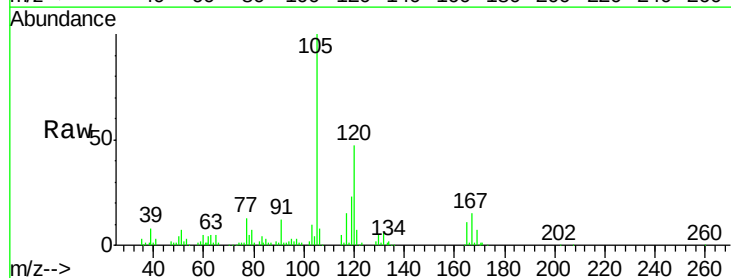
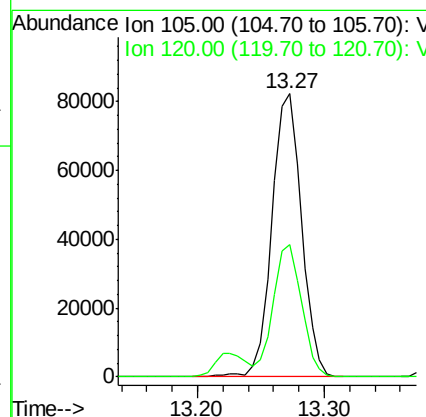
Manual Integrations
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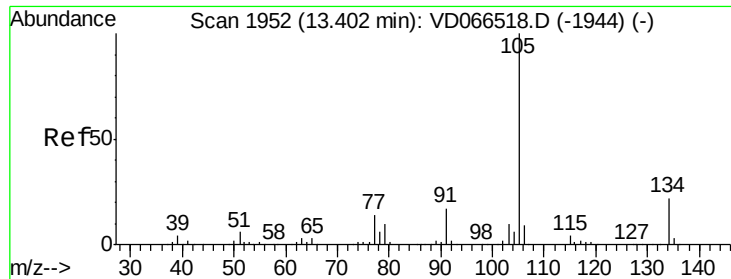
MMDadoda
 9/3/2020 4:57:25 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 20.470 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	132899		
120	44.8	21.7	65.1	





#85

sec-Butylbenzene

Concen: 20.666 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

ClientSampleId :

VD0902SBS01

Tot Ion:105 Resp: 149066

Ion Ratio Lower Upper

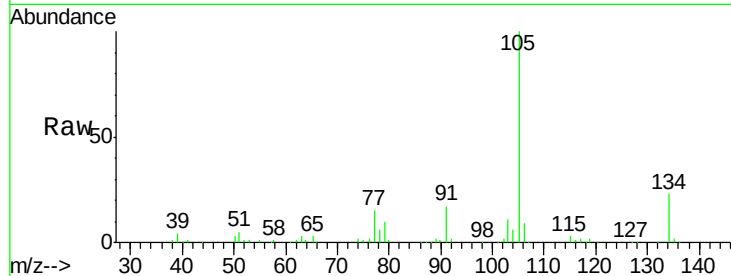
105 100

134 22.9 11.5 34.4

Manual Integrations
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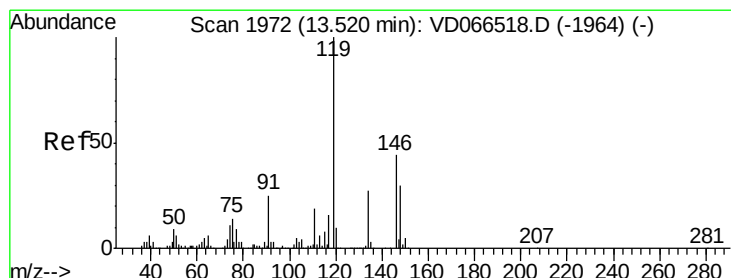
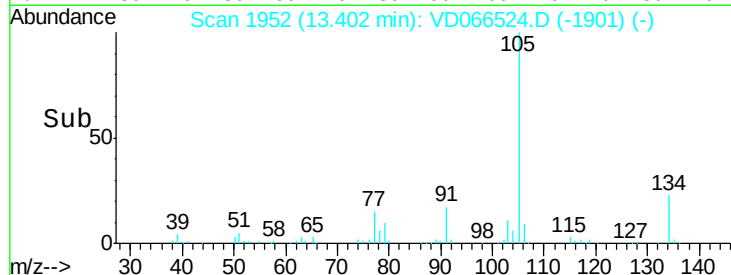
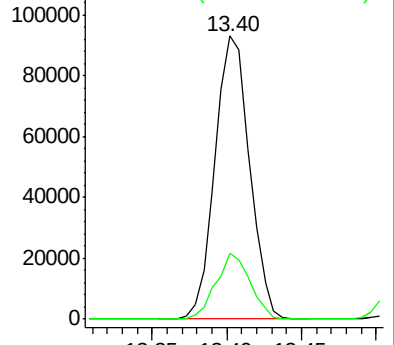
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.180 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

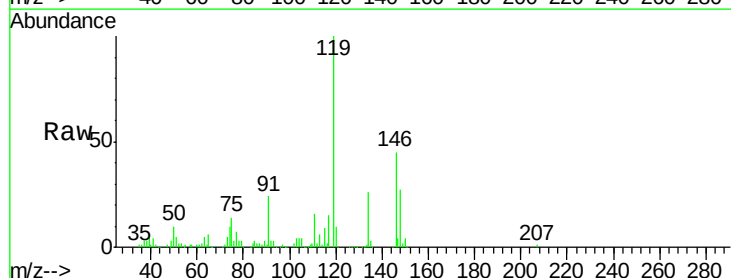
Tgt Ion:119 Resp: 152694

Ion Ratio Lower Upper

119 100

134 26.1 13.5 40.4

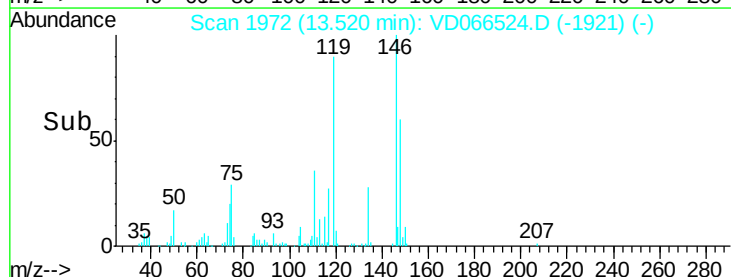
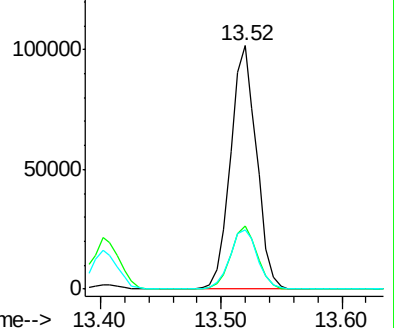
91 26.1 13.0 39.0

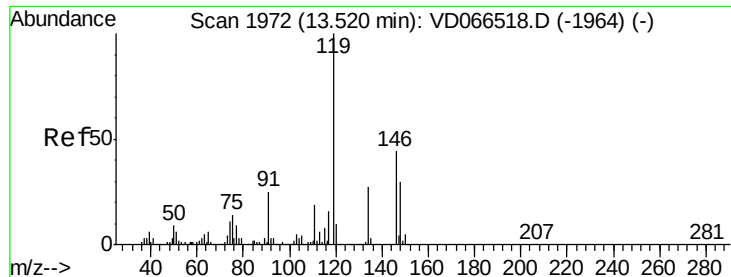


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 21.670 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Instrument :

MSVOA_D

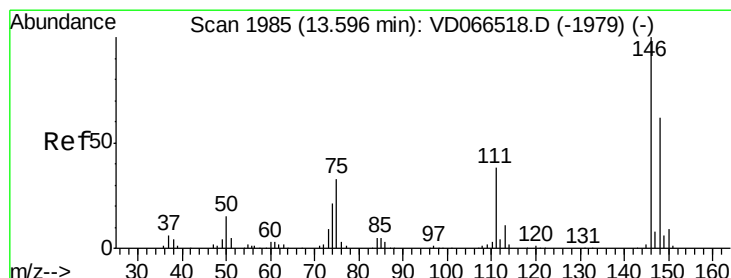
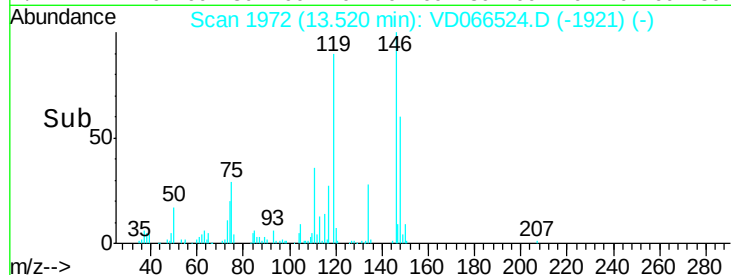
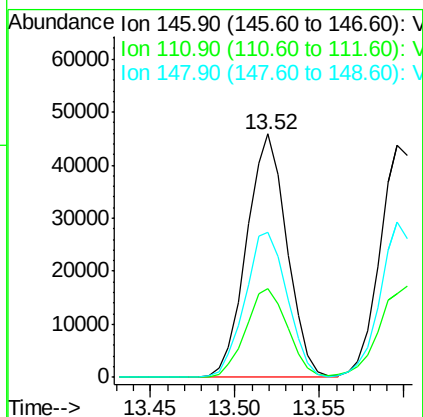
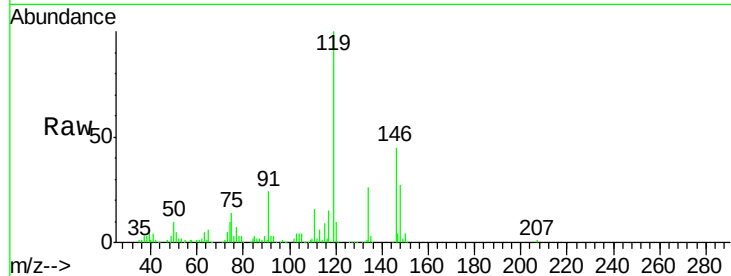
ClientSampleId :

VD0902SBS01

Tot Ion:	146	Resp:	76150
Ion Ratio	Lower	Upper	
146	100		
111	37.8	20.3	61.0
148	62.5	32.3	96.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 20.832 ug/l

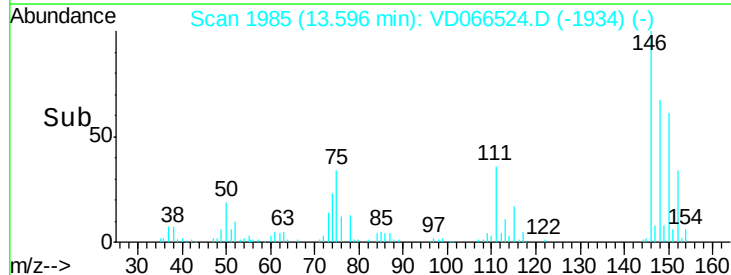
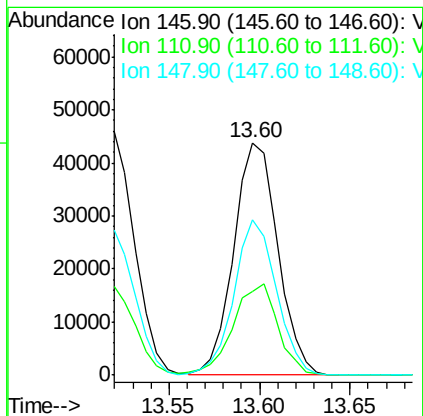
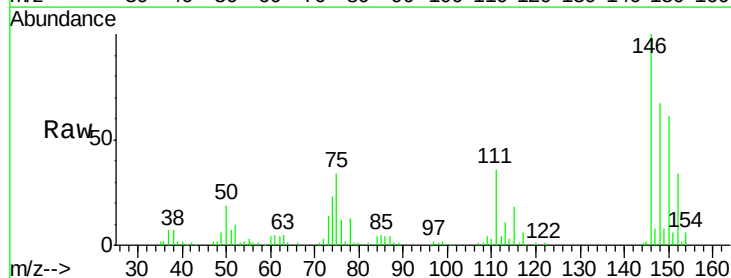
RT: 13.60 min Scan# 1985

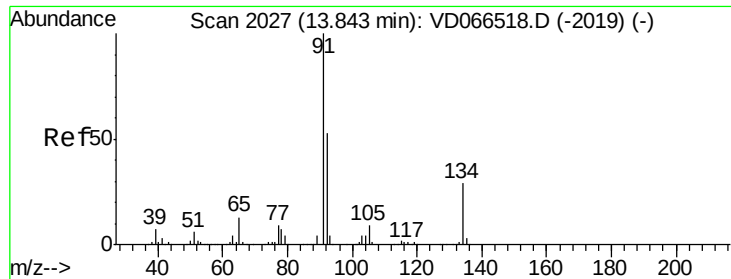
Delta R.T. -0.00 min

Lab File: VD066524.D

Acq: 02 Sep 2020 15:53

Tgt Ion:	146	Resp:	74056
Ion Ratio	Lower	Upper	
146	100		
111	40.3	18.4	55.4
148	64.5	31.5	94.5





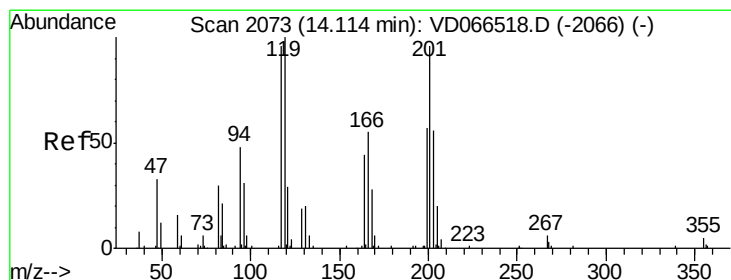
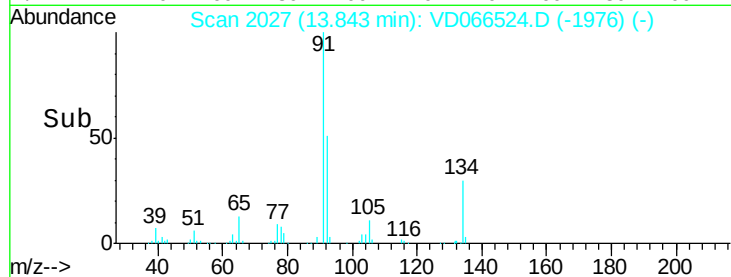
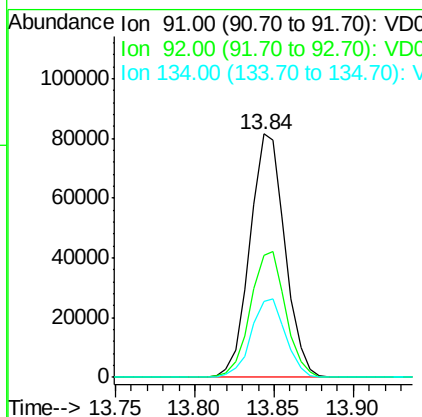
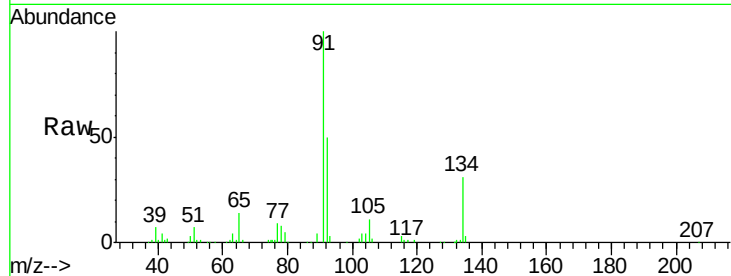
#89
n-Butylbenzene
Concen: 20.698 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	124991		
92	51.8	26.9	80.7	
134	31.4	15.0	45.1	

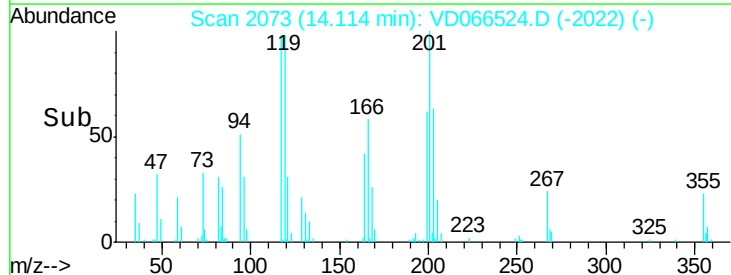
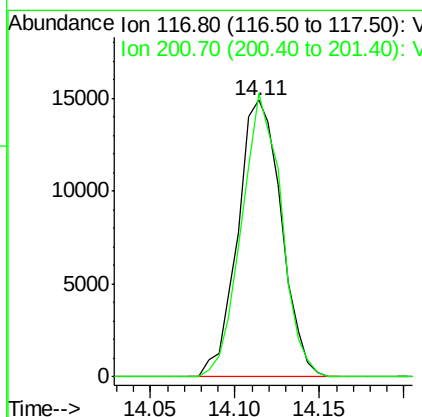
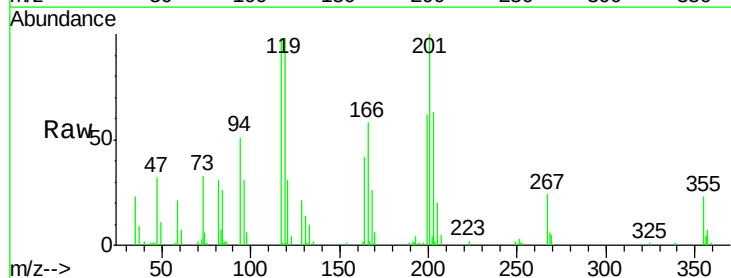
Manual Integrations
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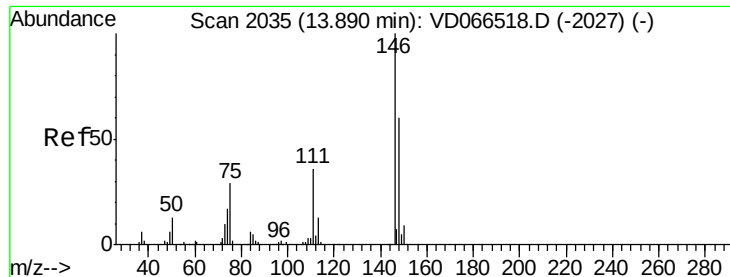
MMDadoda
9/3/2020 4:57:25 PM



#90
Hexachloroethane
Concen: 20.678 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	26752		
201	93.5	50.0	150.0	





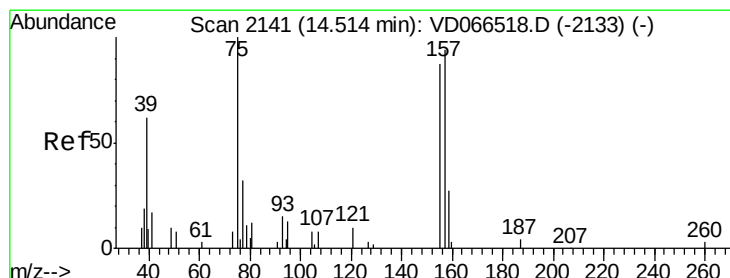
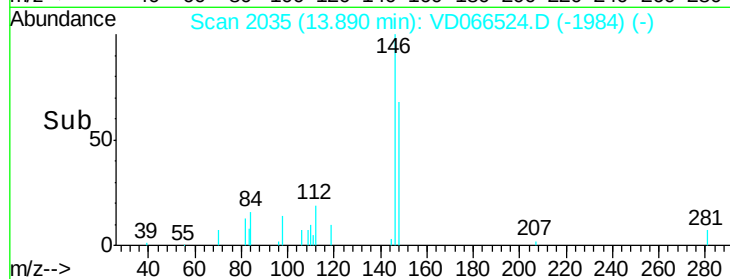
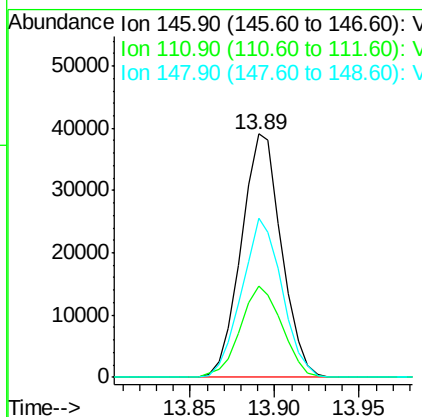
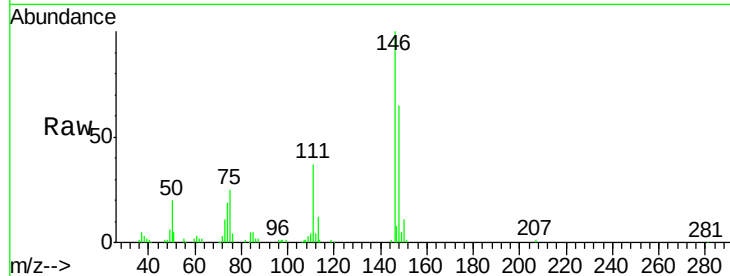
#91
 1,2-Dichlorobenzene
 Concen: 21.189 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	20.1	60.2
148	65.5	32.3	96.9

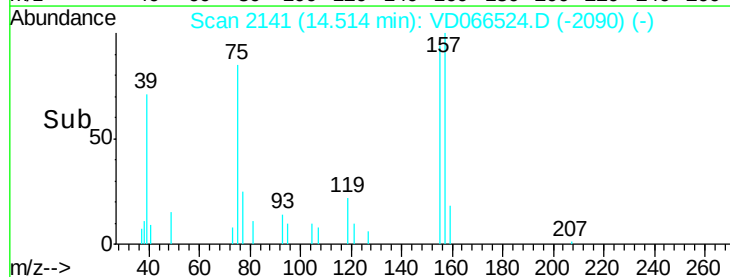
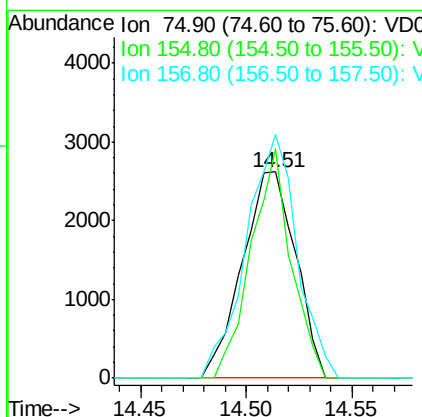
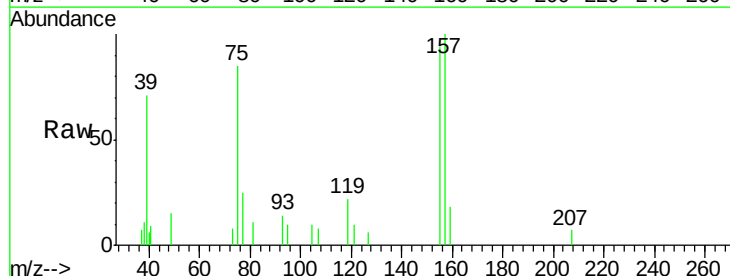
Manual Integrations
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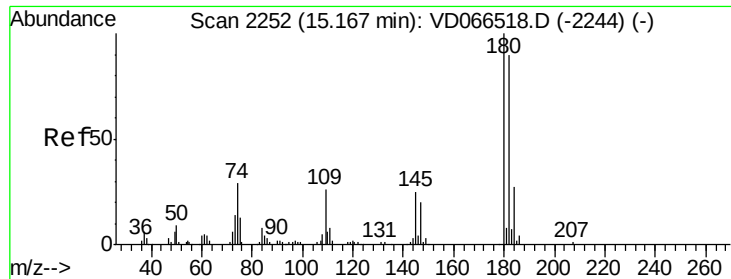
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.723 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.6	40.8	122.5
157	112.6	49.3	147.8





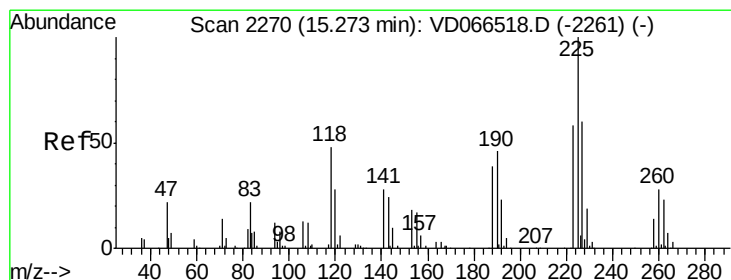
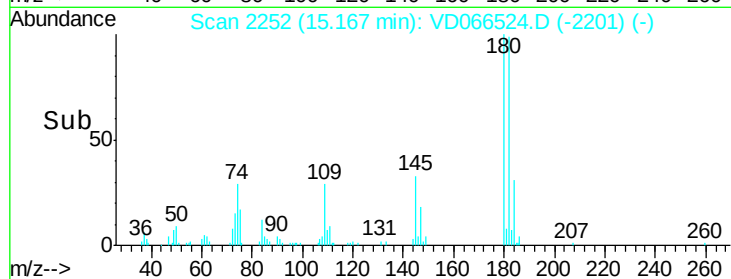
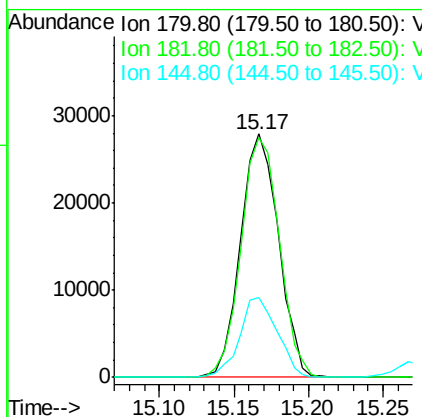
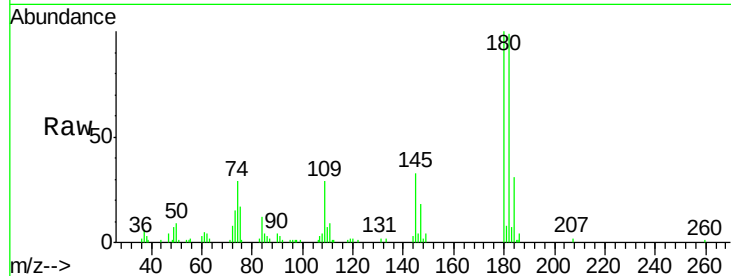
#93
 1,2,4-Trichlorobenzene
 Concen: 20.423 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0902SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49272		
182	99.5	46.9	140.6	
145	32.4	15.0	45.1	

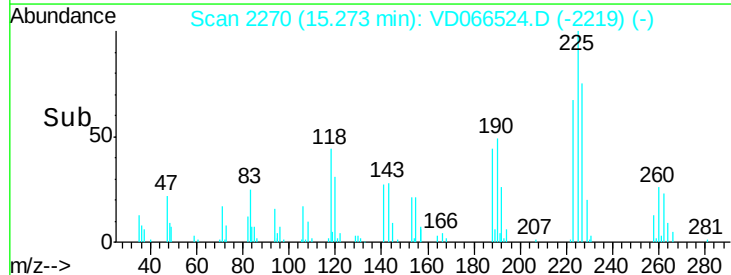
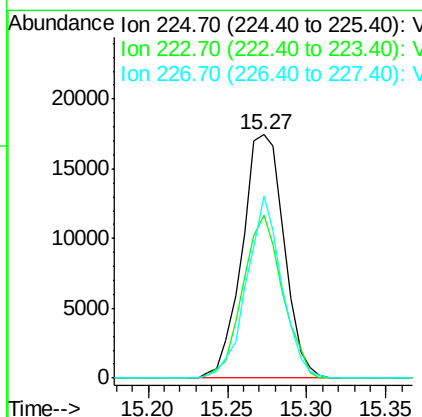
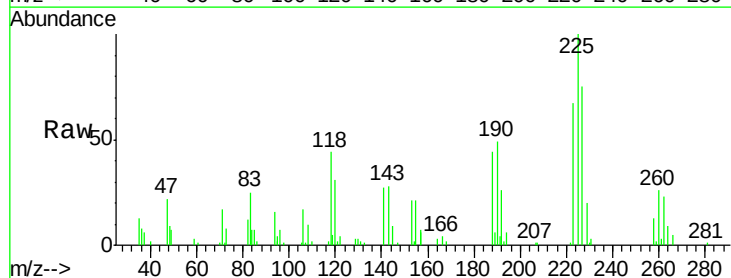
Manual Integrations
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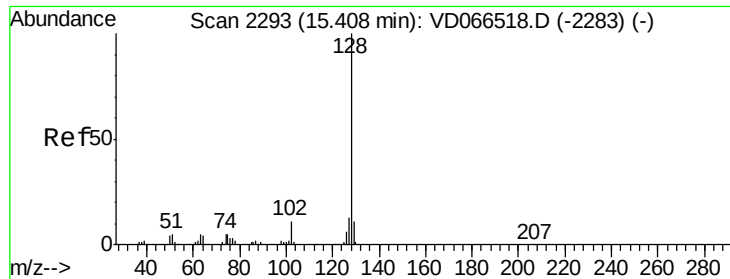
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#94
 Hexachlorobutadiene
 Concen: 20.503 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD066524.D
 Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	32065		
223	63.2	31.6	94.7	
227	62.6	31.4	94.3	





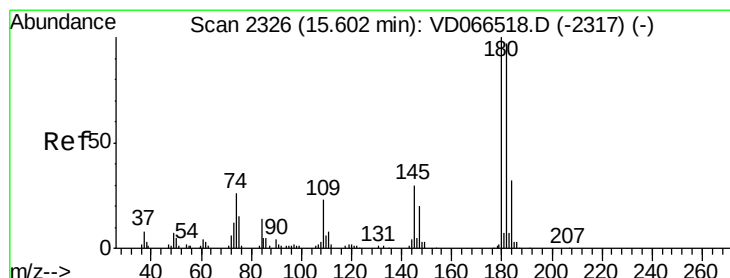
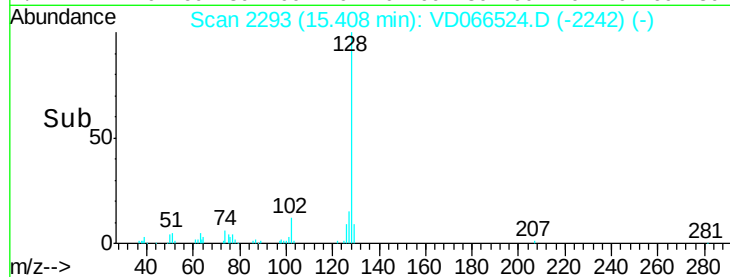
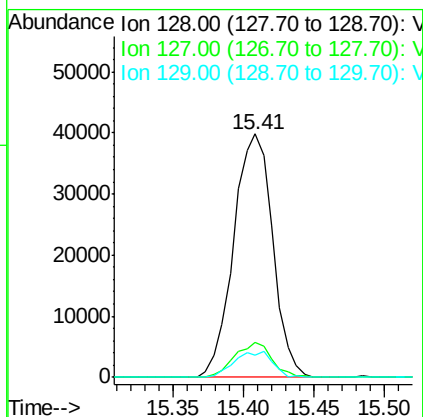
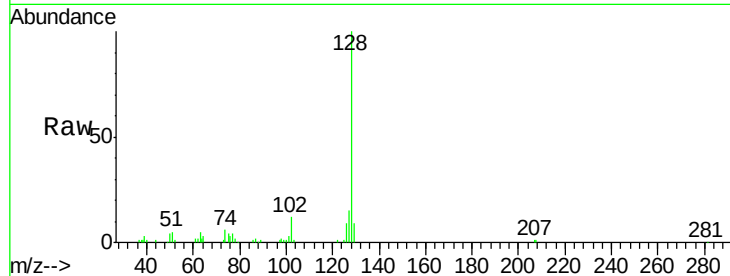
#95
Naphthalene
Concen: 20.522 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Instrument :
MSVOA_D
ClientSampleId :
VD0902SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.8	11.1	16.7
129	10.3	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.880 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD066524.D
Acq: 02 Sep 2020 15:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.7	47.5	142.5
145	30.9	16.2	48.6

