

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091620\
 Data File : VD066715.D
 Acq On : 16 Sep 2020 13:15
 Operator : VA/SY
 Sample : VD0916SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 1:05:03 PM

Quant Time: Sep 17 01:00:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.97	168	410512	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	690556	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	617722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236792	54.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.12%	
35) Dibromofluoromethane	7.91	113	221329	52.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.56%	
50) Toluene-d8	10.34	98	814357	53.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.98%	
62) 4-Bromofluorobenzene	12.63	95	278412	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	76124	22.443	ug/l	90
3) Chloromethane	2.21	50	93686	20.972	ug/l	99
4) Vinyl Chloride	2.35	62	95834	20.498	ug/l	90
5) Bromomethane	2.76	94	71884	21.674	ug/l	94
6) Chloroethane	2.92	64	58633	20.131	ug/l	89
7) Trichlorofluoromethane	3.27	101	164690	20.394	ug/l	95
8) Diethyl Ether	3.71	74	40003	19.783	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.10	101	86936	19.589	ug/l	96
10) Methyl Iodide	4.30	142	78681	18.686	ug/l	97
11) Tert butyl alcohol	5.21	59	36895	84.242	ug/l #	92
12) 1,1-Dichloroethene	4.06	96	81177	19.763	ug/l	94
13) Acrolein	3.93	56	29995	97.101	ug/l	93
14) Allyl chloride	4.71	41	130837	19.834	ug/l	99
15) Acrylonitrile	5.41	53	84520	95.414	ug/l	99
16) Acetone	4.15	43	80863	90.662	ug/l	97
17) Carbon Disulfide	4.41	76	268129	20.773	ug/l	97
18) Methyl Acetate	4.71	43	39673	18.573	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	183106	20.013	ug/l	94
20) Methylene Chloride	4.96	84	103252	16.621	ug/l	90
21) trans-1,2-Dichloroethene	5.47	96	98739	20.632	ug/l	98
22) Diisopropyl ether	6.36	45	275284	20.538	ug/l	95
23) Vinyl Acetate	6.30	43	755841	101.375	ug/l	100
24) 1,1-Dichloroethane	6.26	63	168115	19.765	ug/l	98
25) 2-Butanone	7.21	43	111900	96.348	ug/l	95
26) 2,2-Dichloropropane	7.20	77	155172	19.728	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	104799	20.017	ug/l	98
28) Bromochloromethane	7.55	49	72138	22.706	ug/l	100
29) Tetrahydrofuran	7.56	42	67625	95.167	ug/l	97
30) Chloroform	7.71	83	181046	19.999	ug/l	94
31) Cyclohexane	7.98	56	155288	20.071	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	168208	20.306	ug/l	98
36) 1,1-Dichloropropene	8.10	75	141936	19.991	ug/l	99
37) Ethyl Acetate	7.29	43	50760	18.885	ug/l #	95
38) Carbon Tetrachloride	8.09	117	151035	20.032	ug/l	98

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Quant Time: Sep 17 01:00:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 15 16:35:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	152398	18.766	ug/l	96
40) Benzene	8.34	78	375258	19.536	ug/l	100
41) Methacrylonitrile	7.53	41	29028m	20.400	ug/l	
42) 1,2-Dichloroethane	8.42	62	116087	19.508	ug/l	97
43) Isopropyl Acetate	8.45	43	98948	19.558	ug/l	99
44) Trichloroethene	9.11	130	99624	19.398	ug/l	99
45) 1,2-Dichloropropane	9.38	63	92845	19.552	ug/l	91
46) Dibromomethane	9.47	93	52347	20.061	ug/l	97
47) Bromodichloromethane	9.66	83	139950	19.683	ug/l	99
48) Methyl methacrylate	9.45	41	51011	19.823	ug/l	98
49) 1,4-Dioxane	9.46	88	10972	392.538	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	243900	93.642	ug/l	99
52) Toluene	10.40	92	243384	19.779	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	123489	19.441	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	147761	19.585	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	67985	19.761	ug/l	95
56) Ethyl methacrylate	10.66	69	73894	18.927	ug/l	95
57) 1,3-Dichloropropane	10.94	76	117963	19.538	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	190144	110.892	ug/l	98
59) 2-Hexanone	10.98	43	165306	94.457	ug/l	100
60) Dibromochloromethane	11.14	129	87500	19.519	ug/l	96
61) 1,2-Dibromoethane	11.24	107	65894	19.967	ug/l	98
64) Tetrachloroethene	10.87	164	81730	19.382	ug/l	96
65) Chlorobenzene	11.67	112	252416	19.736	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	94163	19.955	ug/l	98
67) Ethyl Benzene	11.74	91	454163	19.605	ug/l	97
68) m/p-Xylenes	11.85	106	347912	39.736	ug/l	100
69) o-Xylene	12.18	106	150130	19.404	ug/l	98
70) Styrene	12.20	104	269503	19.790	ug/l	98
71) Bromoform	12.36	173	46429	19.605	ug/l #	99
73) Isopropylbenzene	12.48	105	427915	19.844	ug/l	98
74) N-amyl acetate	12.28	43	85906	18.885	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	71217	19.435	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	56025m	22.659	ug/l	
77) Bromobenzene	12.76	156	92706	18.652	ug/l	97
78) n-propylbenzene	12.82	91	521517	19.839	ug/l	100
79) 2-Chlorotoluene	12.91	91	294900	19.840	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	367606	20.162	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	22852	19.947	ug/l	99
82) 4-Chlorotoluene	13.01	91	315178	20.054	ug/l	98
83) tert-Butylbenzene	13.23	119	291588	19.403	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	362127	19.874	ug/l	100
85) sec-Butylbenzene	13.40	105	429356	19.929	ug/l	98
86) p-Isopropyltoluene	13.52	119	386908	19.754	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	186319	19.540	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	185295	19.514	ug/l	99
89) n-Butylbenzene	13.84	91	360870	19.376	ug/l	99
90) Hexachloroethane	14.11	117	79440	19.743	ug/l	96
91) 1,2-Dichlorobenzene	13.89	146	157839	19.318	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	11426	19.290	ug/l	98

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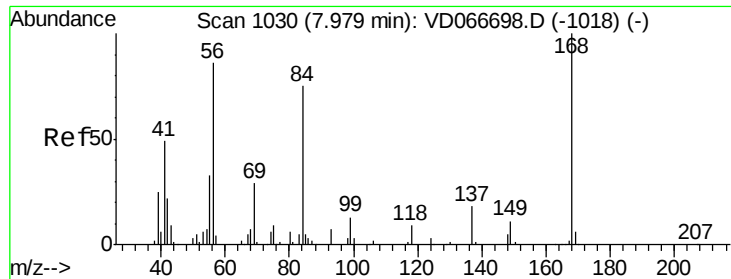
Manual Integrations
APPROVED

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091520S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	96157	19.458	ug/l	98
94) Hexachlorobutadiene	15.27	225	57939	19.460	ug/l	99
95) Naphthalene	15.41	128	158388	18.345	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	83130	19.259	ug/l	99

(#) = 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: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion:168 Resp: 410512

Ion Ratio Lower Upper

168 100

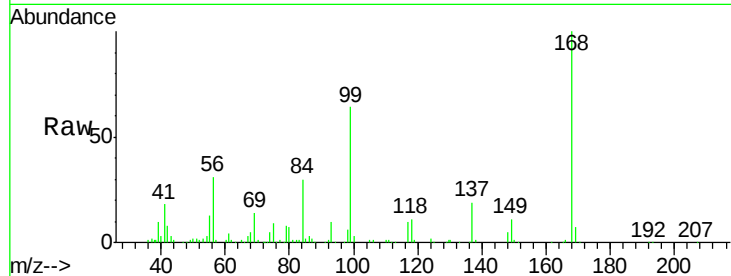
99 63.7 54.4 81.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.97

200000

150000

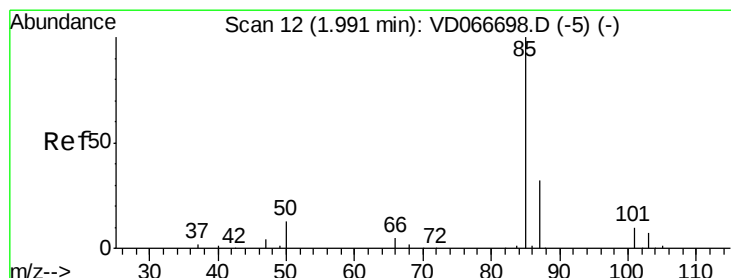
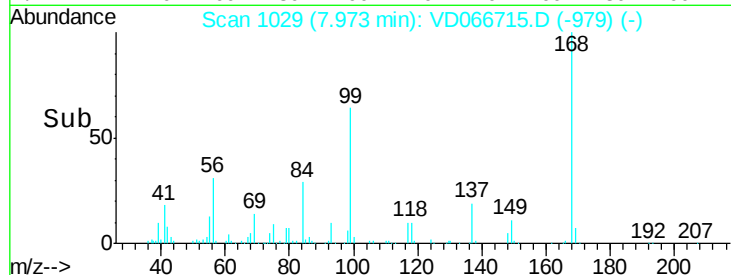
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 22.443 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD066715.D

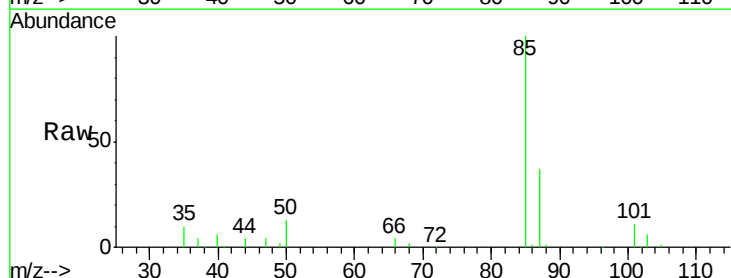
Acq: 16 Sep 2020 13:15

Tgt Ion: 85 Resp: 76124

Ion Ratio Lower Upper

85 100

87 37.0 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

50000

40000

30000

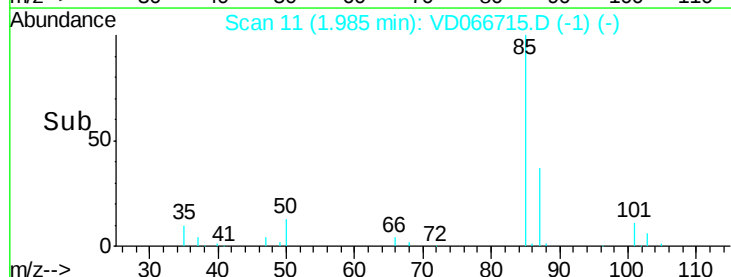
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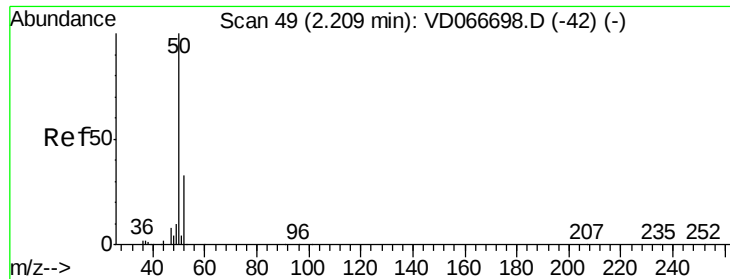
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.972 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 50 Resp: 93686

Ion Ratio Lower Upper

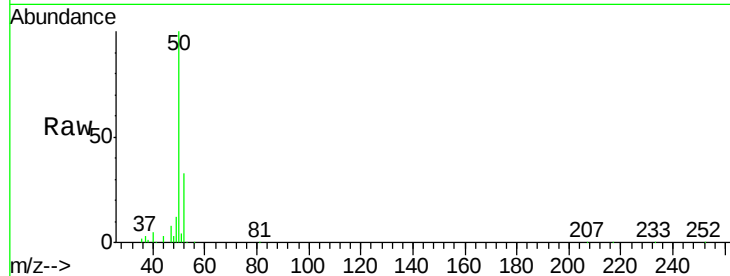
50 100

52 32.9 26.8 40.2

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

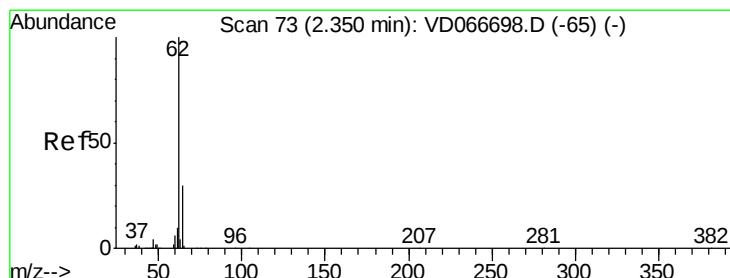
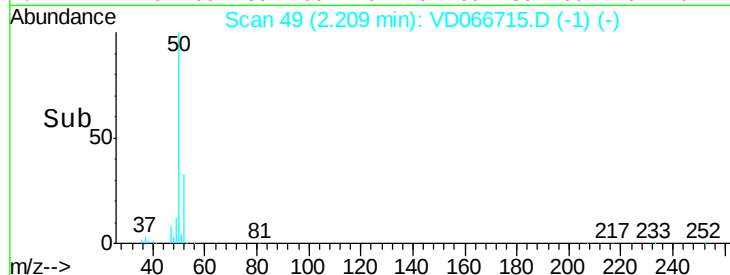
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 20.498 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD066715.D

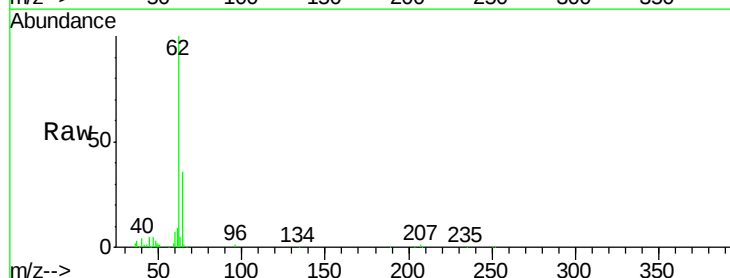
Acq: 16 Sep 2020 13:15

Tgt Ion: 62 Resp: 95834

Ion Ratio Lower Upper

62 100

64 36.2 24.4 36.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

60000

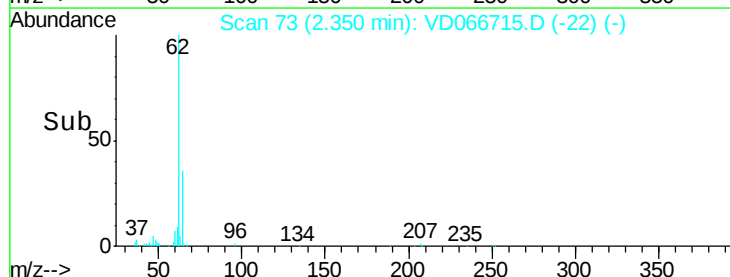
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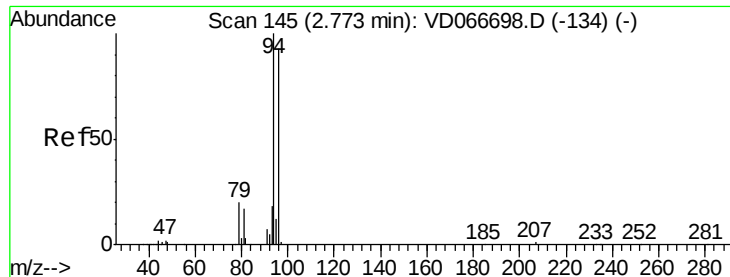
20000

0

Time-->

2.30 2.35 2.40





#5

Bromomethane

Concen: 21.674 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 94 Resp: 71884

Ion Ratio Lower Upper

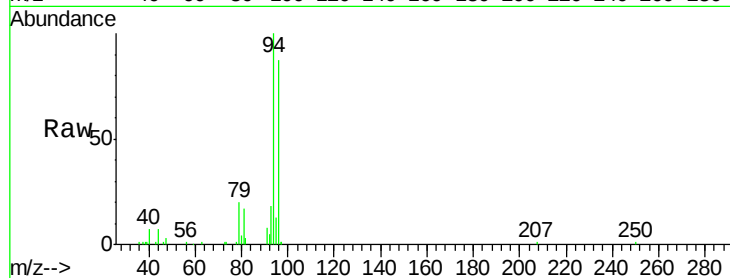
94 100

96 87.4 74.7 112.1

Manual Integrations
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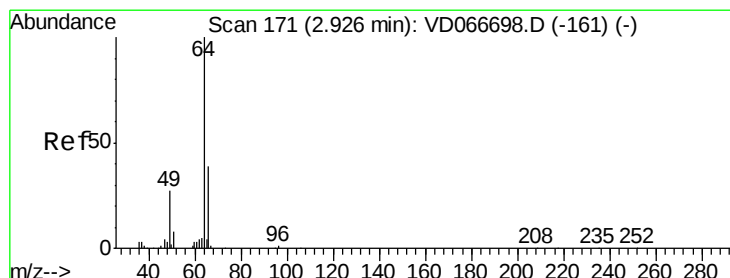
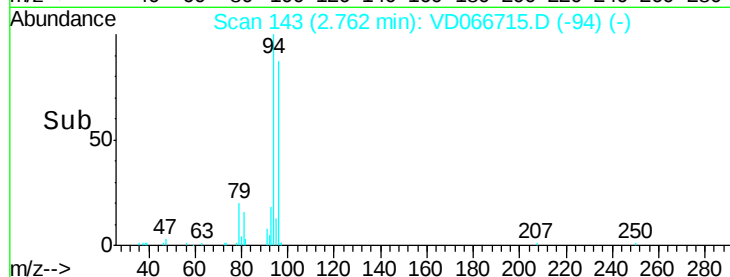
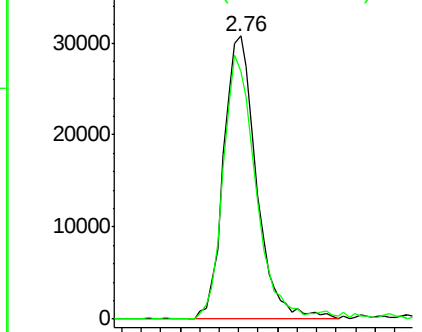
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 20.131 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD066715.D

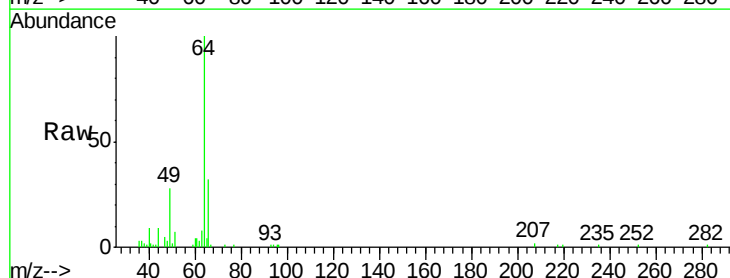
Acq: 16 Sep 2020 13:15

Tgt Ion: 64 Resp: 58633

Ion Ratio Lower Upper

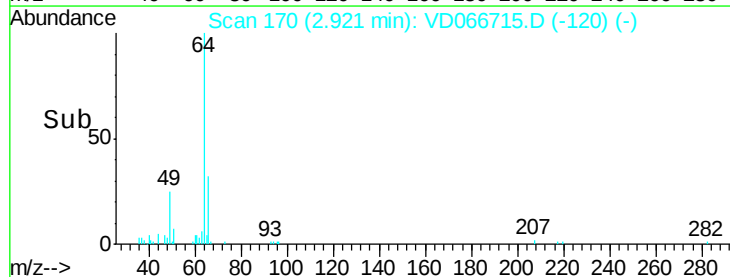
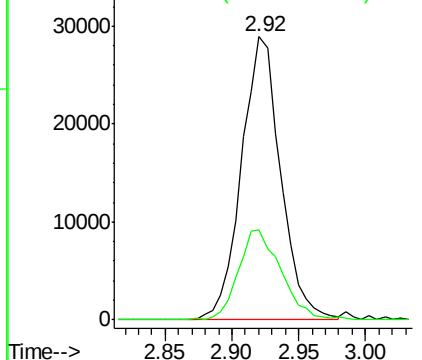
64 100

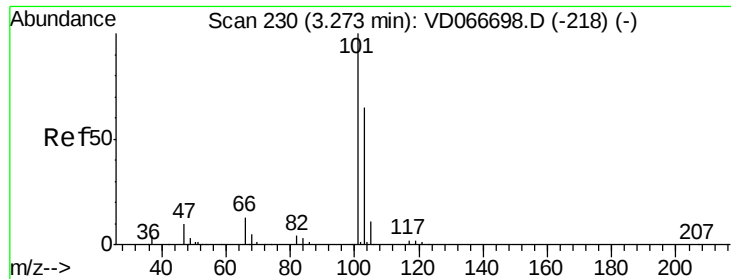
66 31.8 30.9 46.3



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

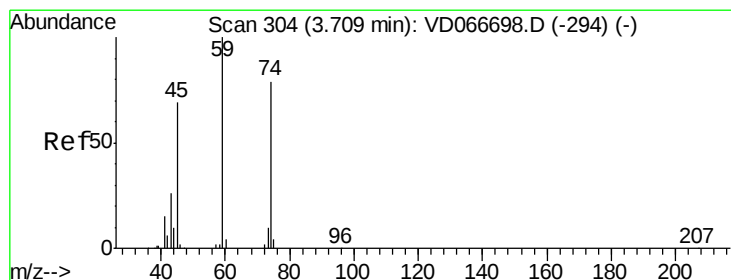
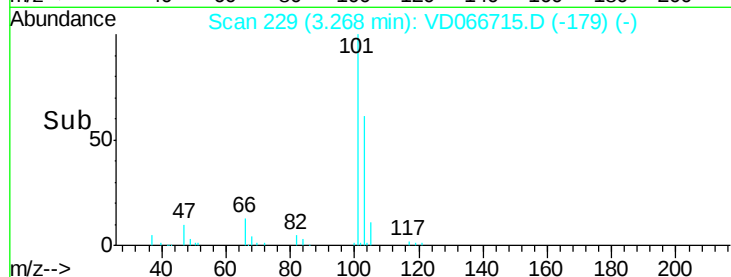
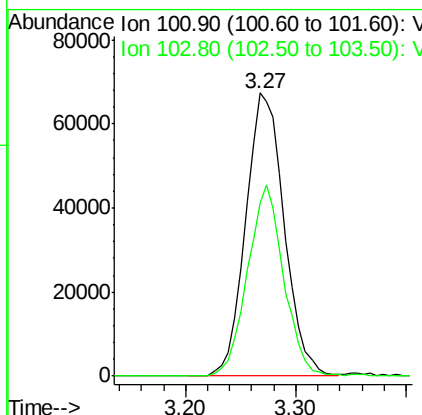
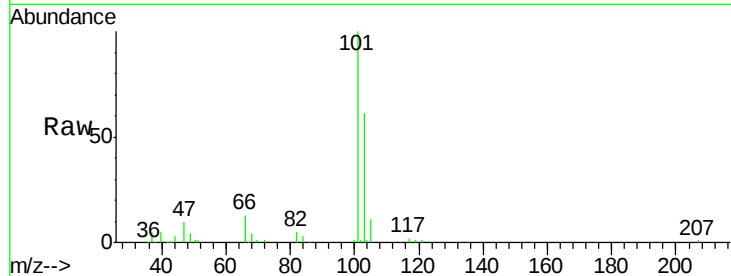
Trichlorofluoromethane
 Concen: 20.394 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		164690		
103	61.1	51.8	77.8		

Manual Integrations
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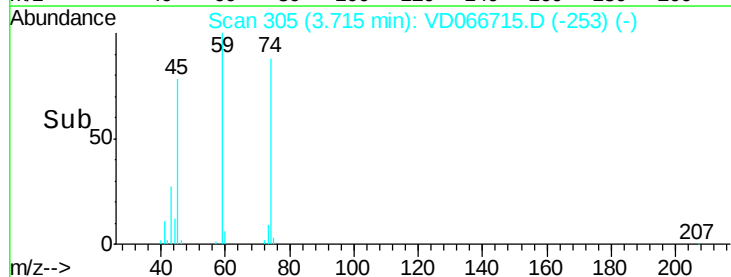
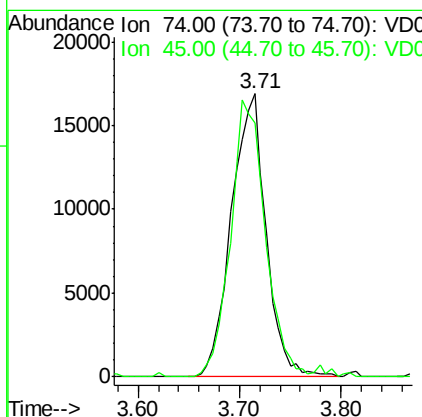
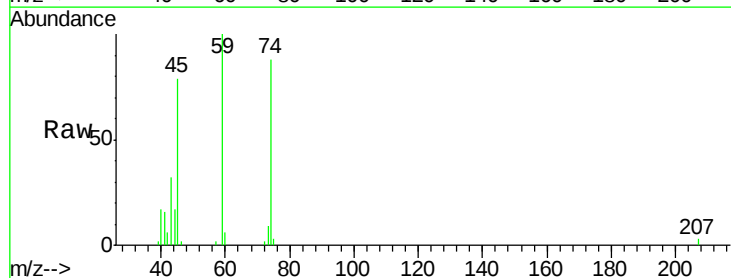
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 9/17/2020 1:05:03 PM

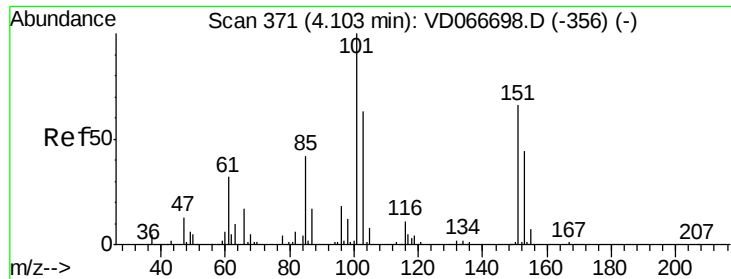


#8

Diethyl Ether
 Concen: 19.783 ug/l
 RT: 3.71 min Scan# 305
 Delta R.T. 0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		40003		
45	98.0	48.0	144.0		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.589 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

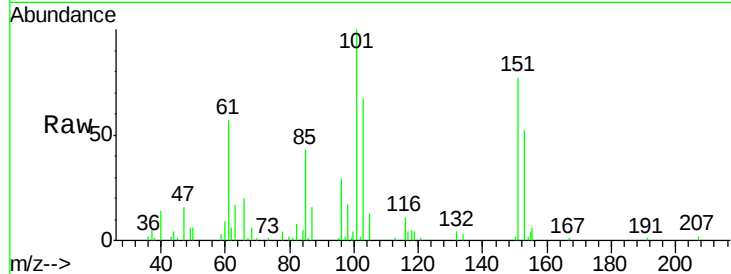
ClientSampleId :

VD0916SBS01

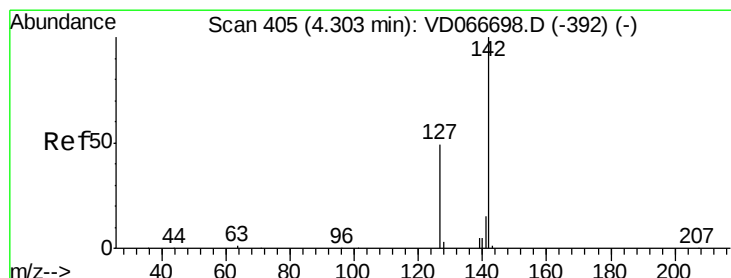
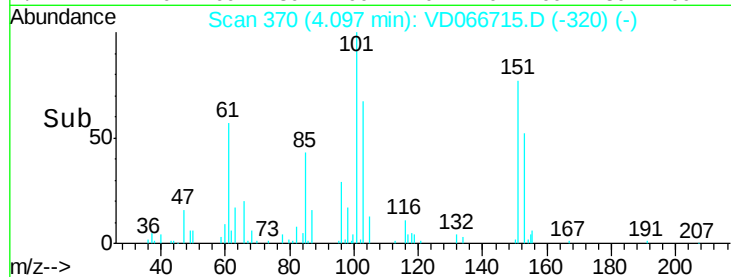
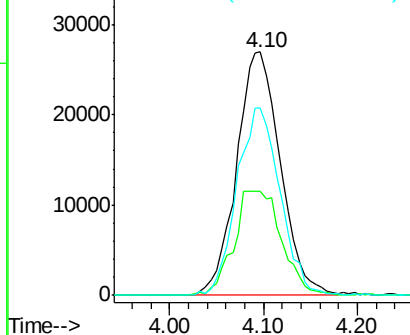
Tot Ion:	101	Resp:	86936
Ion Ratio	Lower	Upper	
101	100		
85	46.8	36.3	54.5
151	76.1	58.0	87.0

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



#10

Methyl Iodide

Concen: 18.686 ug/l

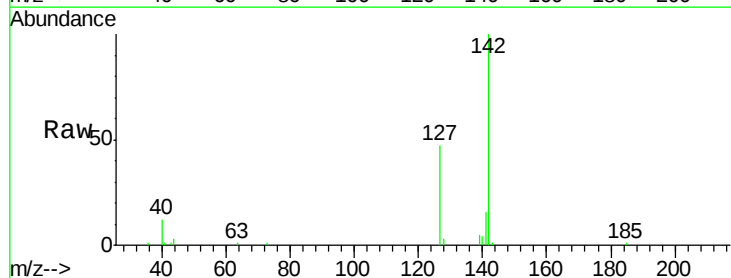
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

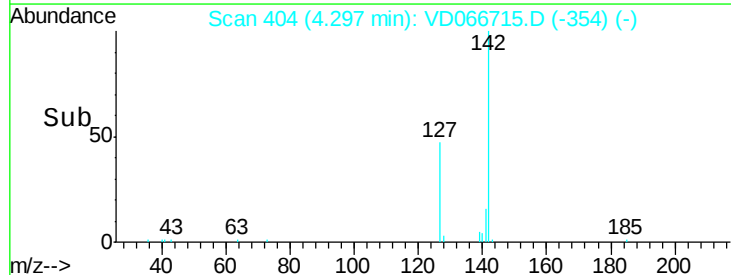
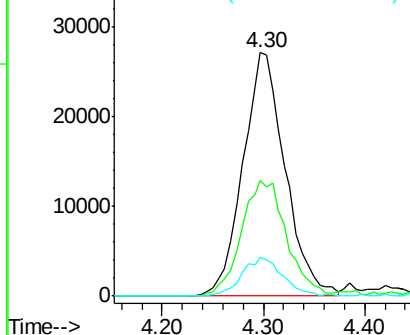
Lab File: VD066715.D

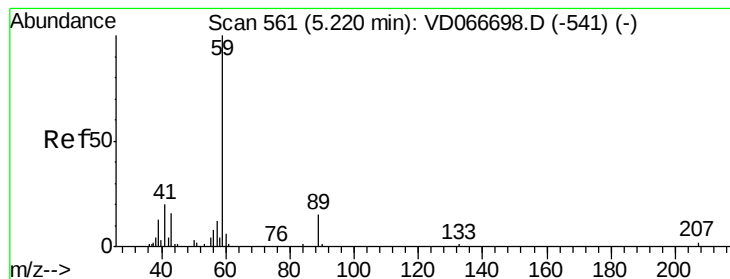
Acq: 16 Sep 2020 13:15

Tgt Ion:	142	Resp:	78681
Ion Ratio	Lower	Upper	
142	100		
127	50.7	39.0	58.4
141	15.4	11.7	17.5



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





#11

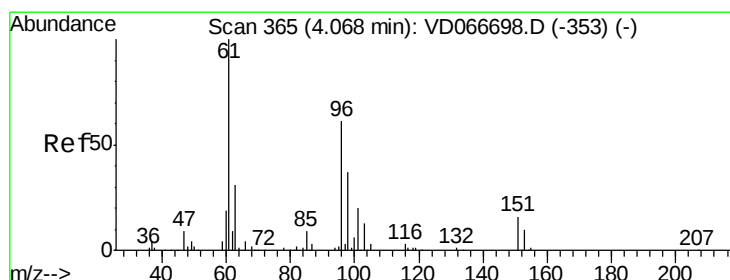
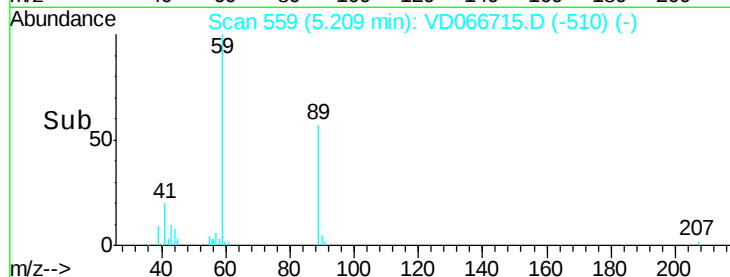
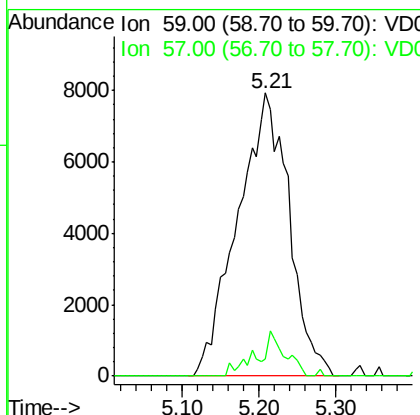
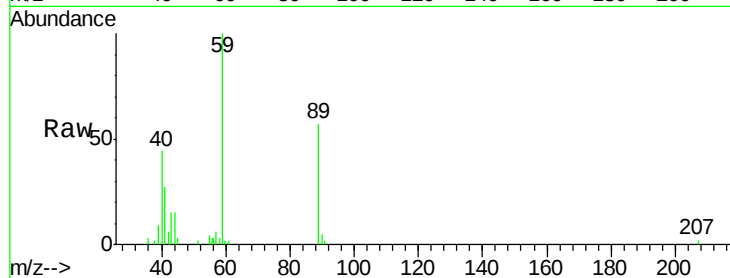
Tert butyl alcohol
 Concen: 84.242 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion: 59 Resp: 36895
 Ion Ratio Lower Upper
 59 100
 57 5.6 6.7 10.1#

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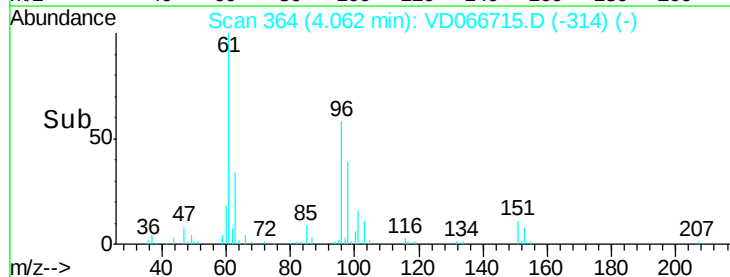
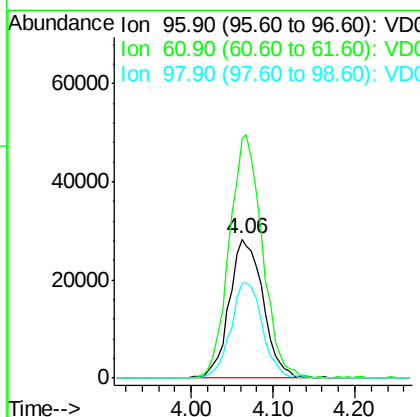
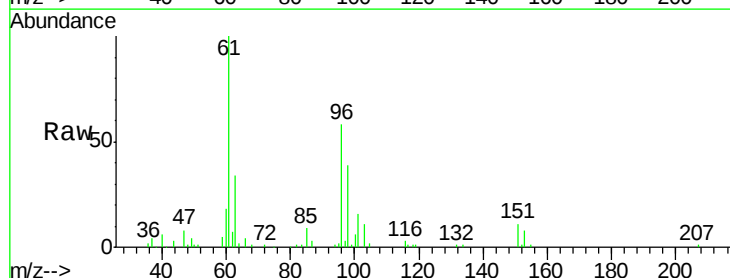
MMDadoda
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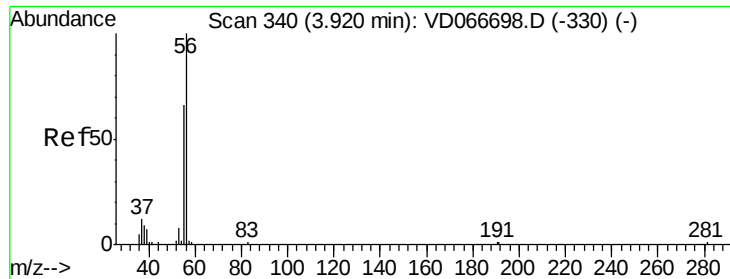


#12

1,1-Dichloroethene
 Concen: 19.763 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion: 96 Resp: 81177
 Ion Ratio Lower Upper
 96 100
 61 172.4 131.9 197.9
 98 67.9 49.1 73.7





#13

Acrolein

Concen: 97.101 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 56 Resp: 29995

Ion Ratio Lower Upper

56 100

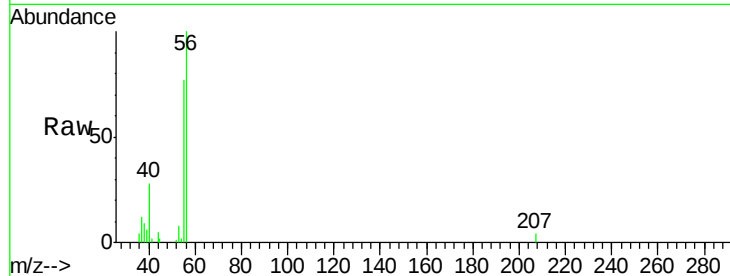
55 74.0 54.7 82.1

Manual Integrations

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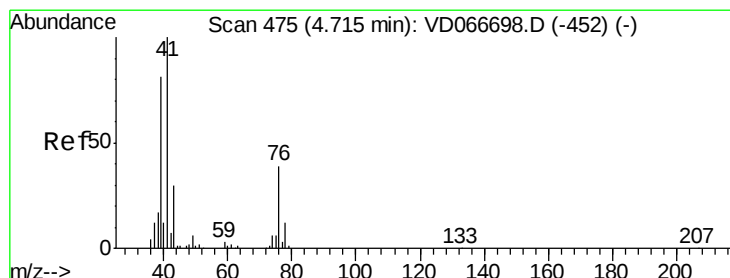
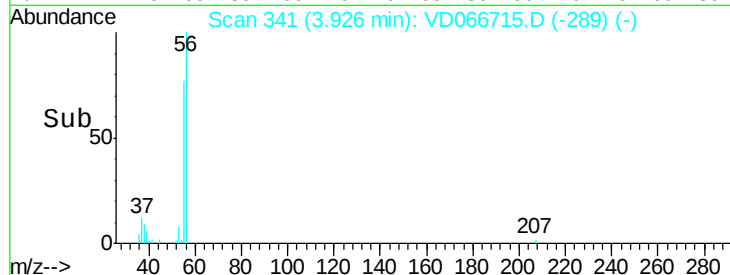
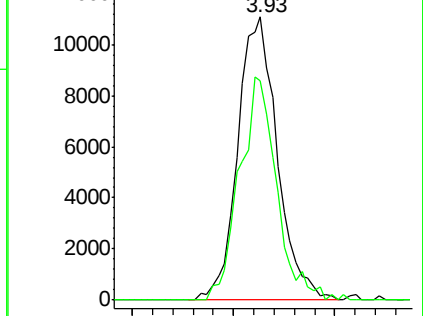
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 19.834 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

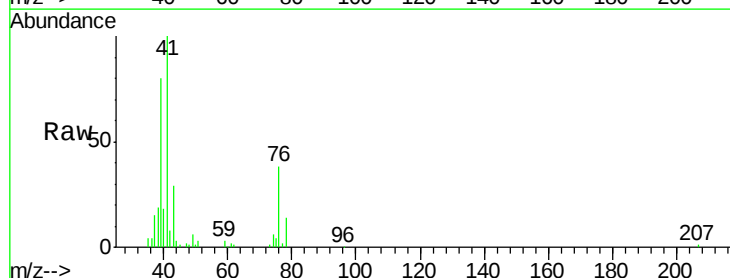
Tgt Ion: 41 Resp: 130837

Ion Ratio Lower Upper

41 100

39 76.4 60.6 90.8

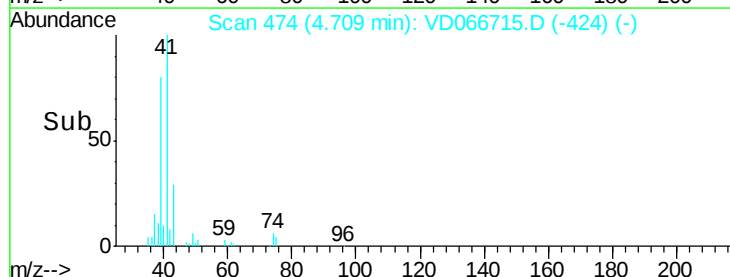
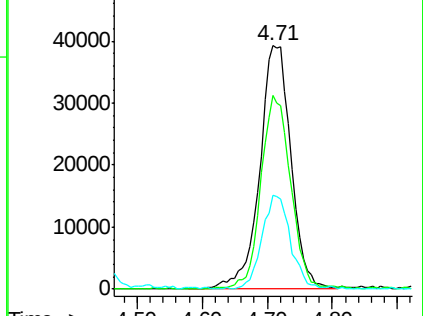
76 35.0 29.2 43.8

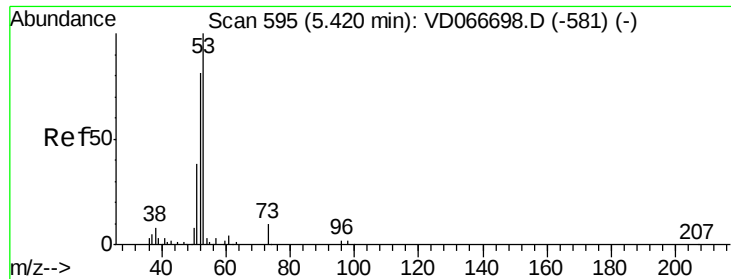


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 95.414 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

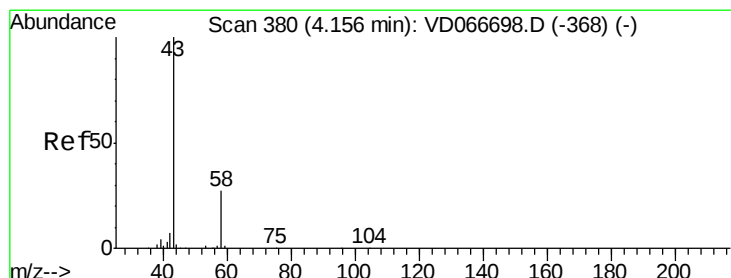
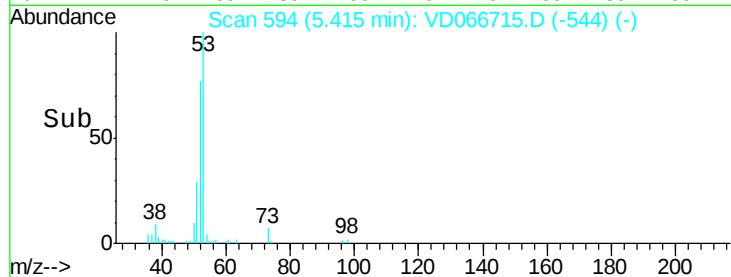
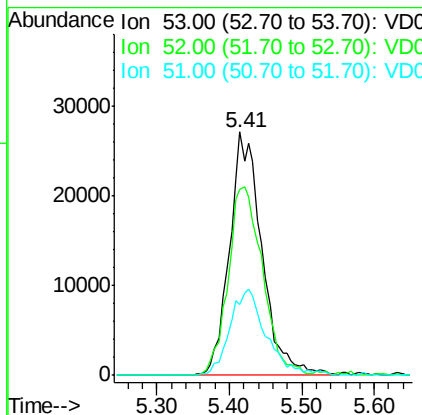
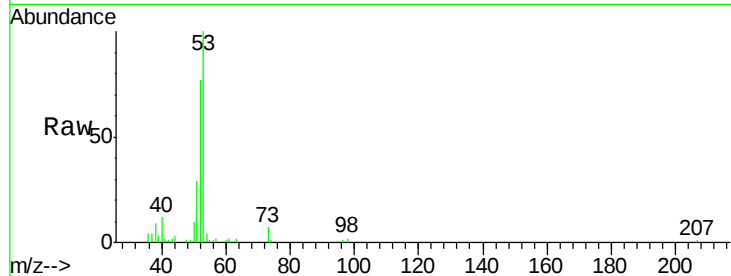
ClientSampleId :

VD0916SBS01

Tot Ion:	53	Resp:	84520
Ion Ratio	Lower	Upper	
53	100		
52	82.4	66.6	99.8
51	39.7	31.0	46.6

Manual Integrations
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#16

Acetone

Concen: 90.662 ug/l

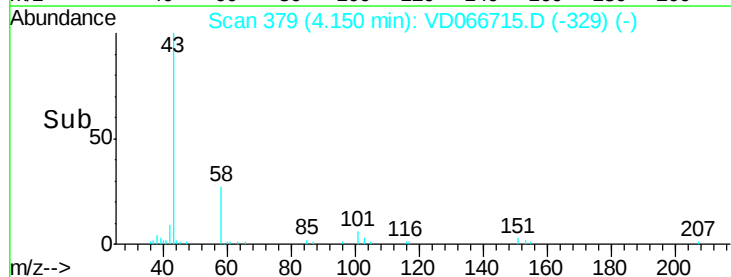
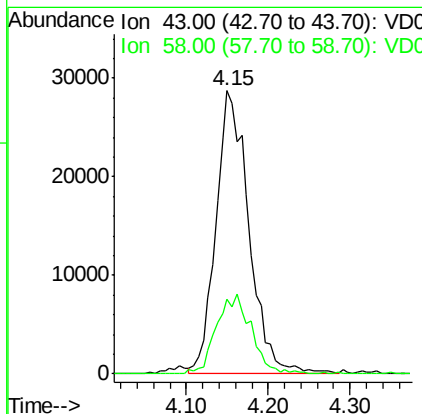
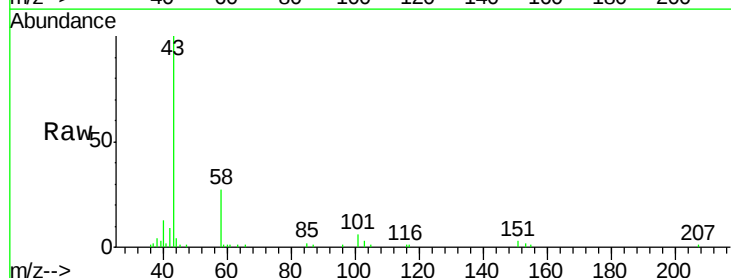
RT: 4.15 min Scan# 379

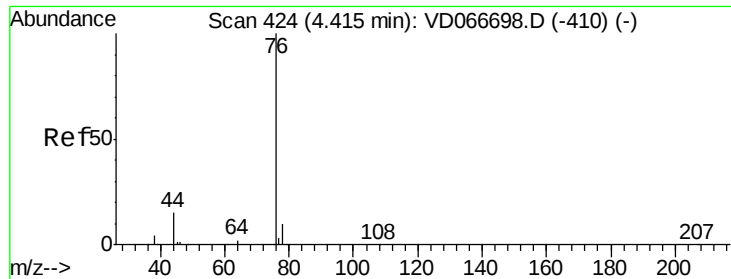
Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion:	43	Resp:	80863
Ion Ratio	Lower	Upper	
43	100		
58	25.7	21.9	32.9





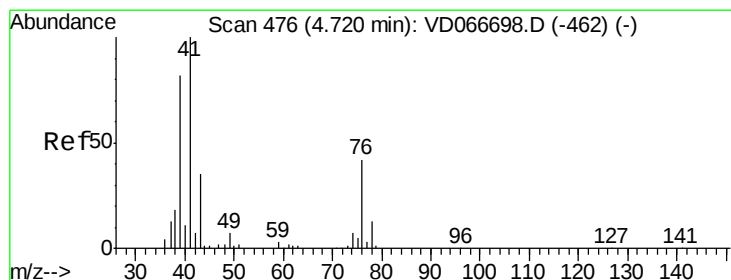
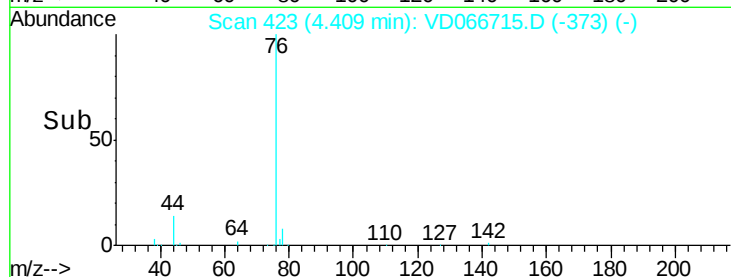
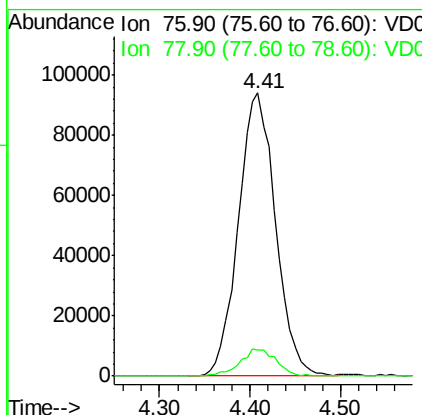
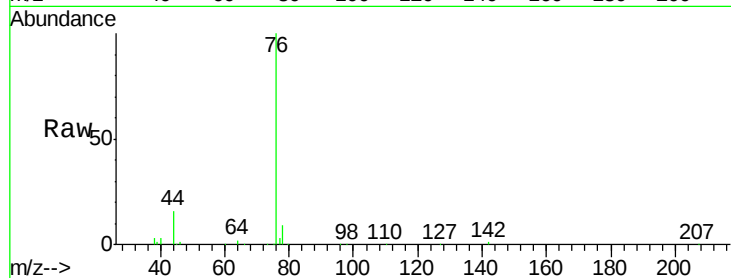
#17
Carbon Disulfide
Concen: 20.773 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.0	8.0	12.0

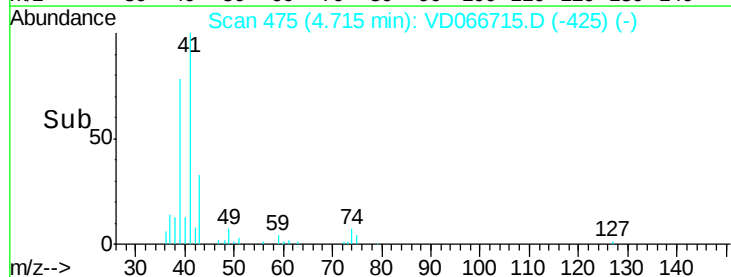
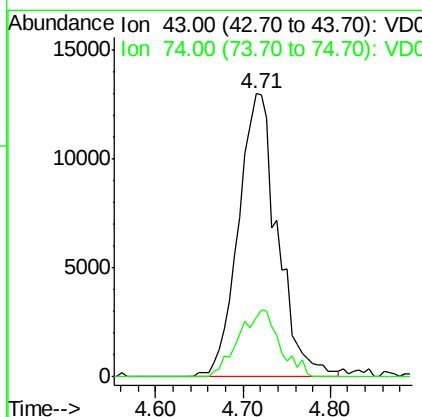
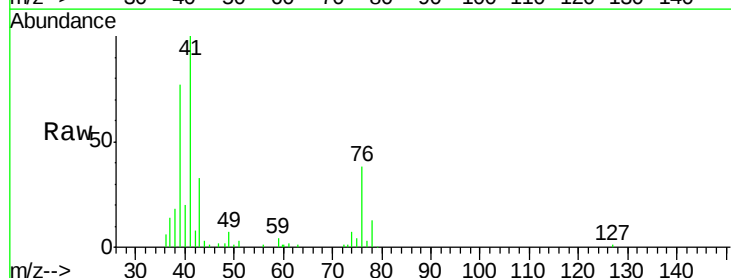
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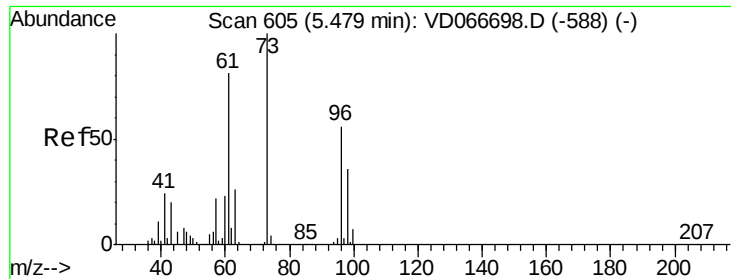
MMDadoda
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#18
Methyl Acetate
Concen: 18.573 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.8	18.6	28.0





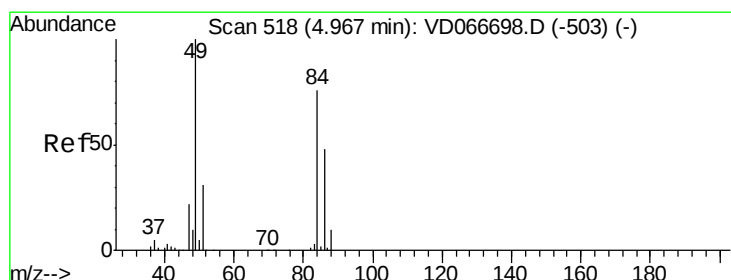
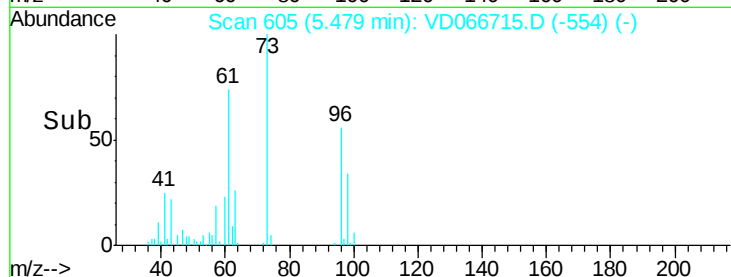
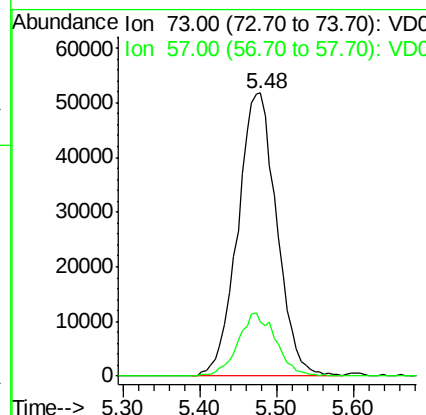
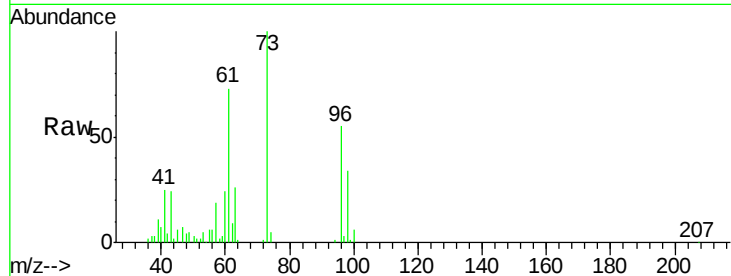
#19
Methyl tert-butyl Ether
Concen: 20.013 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 73 Resp: 183106
Ion Ratio Lower Upper
73 100
57 19.3 17.8 26.6

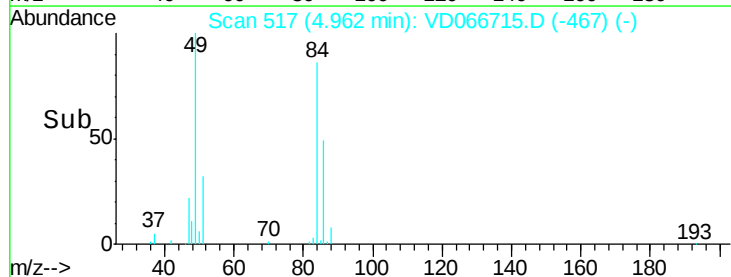
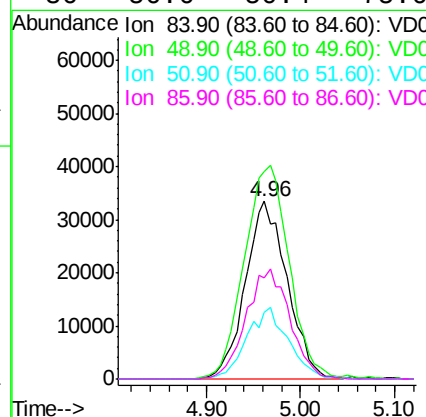
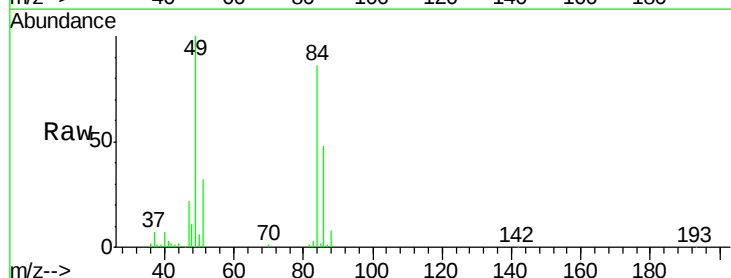
Manual Integrations
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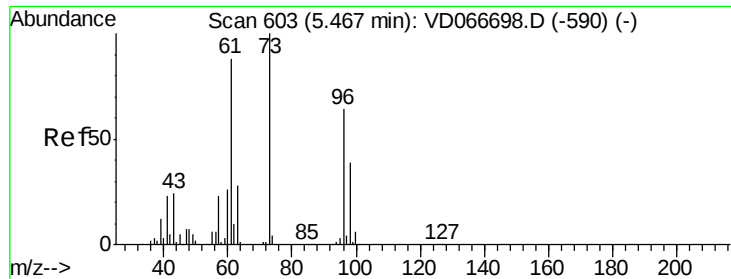
MMDadoda
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#20
Methylene Chloride
Concen: 16.621 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 84 Resp: 103252
Ion Ratio Lower Upper
84 100
49 116.7 105.0 157.6
51 37.5 32.2 48.4
86 56.6 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: 20.632 ug/l

RT: 5.47 min Scan# 603

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

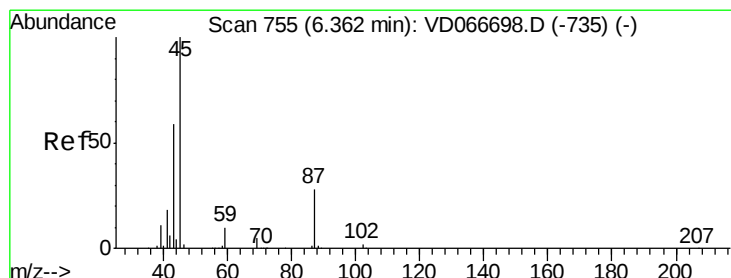
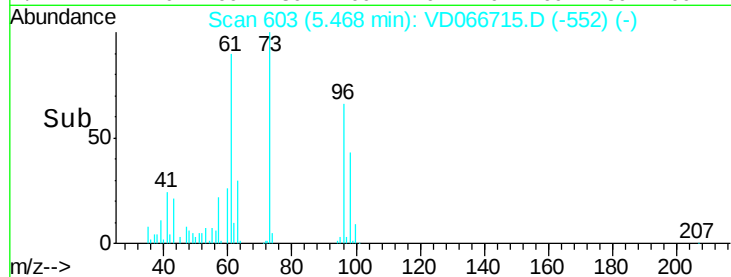
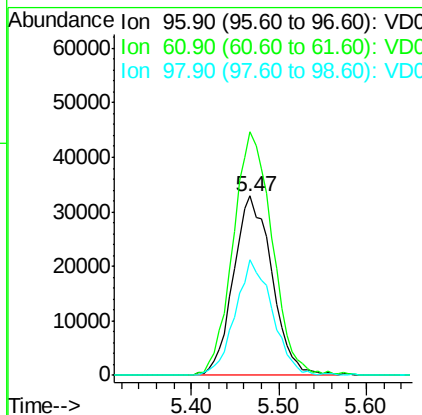
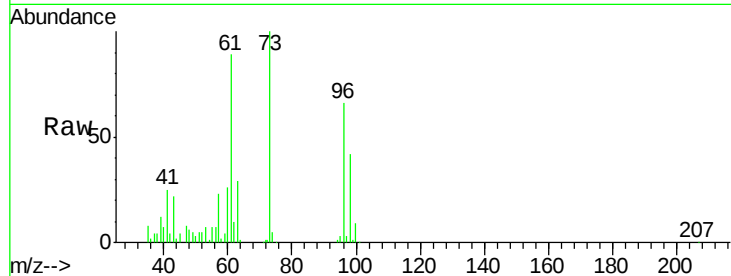
ClientSampleId :

VD0916SBS01

Tot Ion:	96	Resp:	98739
Ion	Ratio	Lower	Upper
96	100		
61	135.9	110.6	166.0
98	64.2	49.2	73.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.538 ug/l

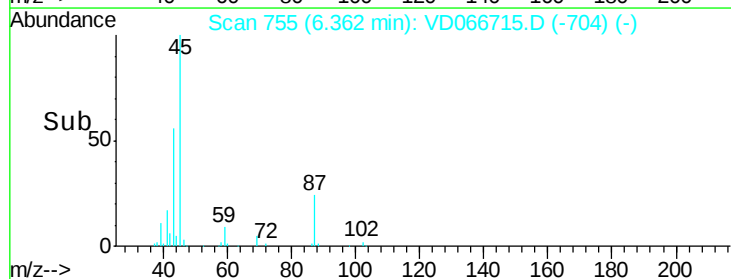
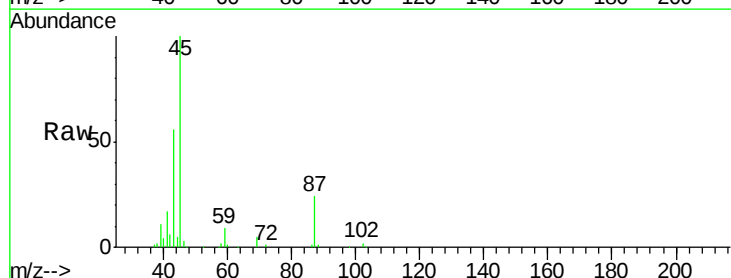
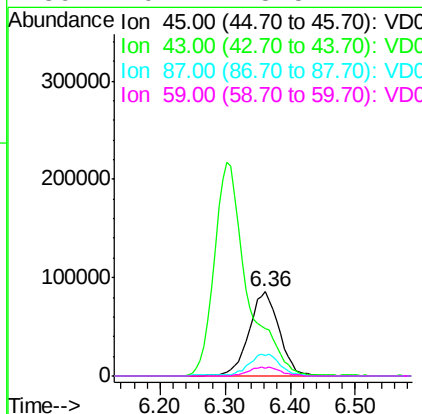
RT: 6.36 min Scan# 755

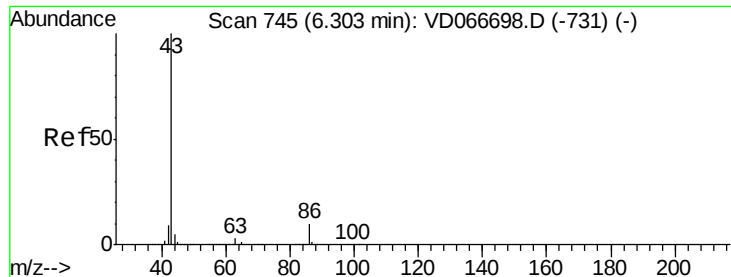
Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion:	45	Resp:	275284
Ion	Ratio	Lower	Upper
45	100		
43	55.1	46.9	70.3
87	24.4	22.4	33.6
59	9.4	8.5	12.7





#23

Vinyl Acetate

Concen: 101.375 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 43 Resp: 755841

Ion Ratio Lower Upper

43 100

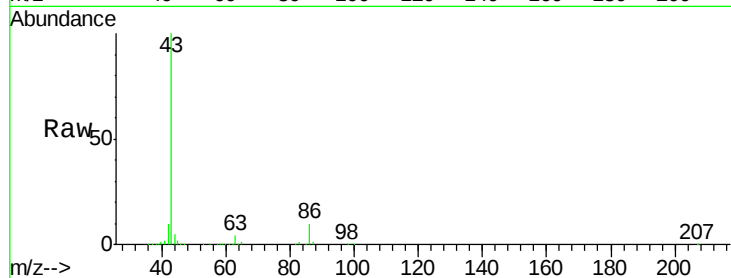
86 9.7 7.8 11.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

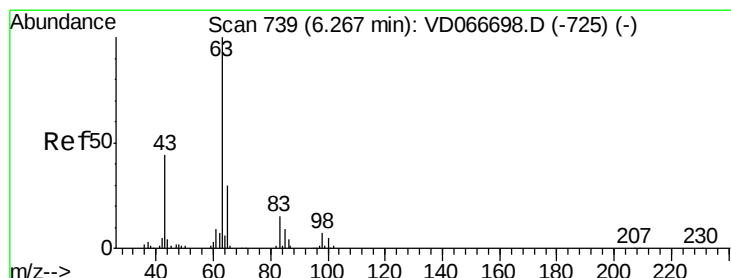
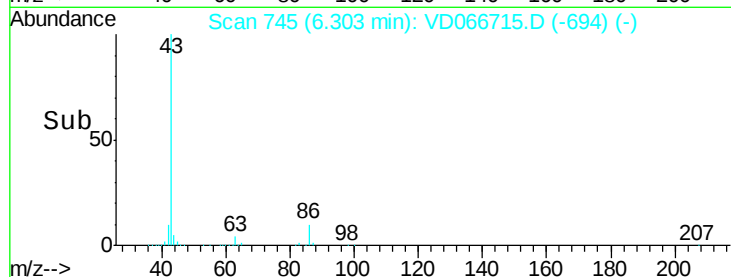
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 19.765 ug/l

RT: 6.26 min Scan# 737

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

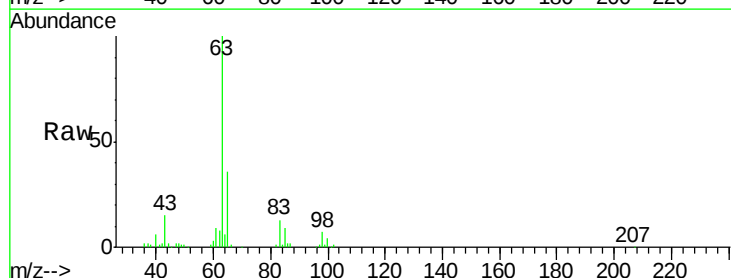
Tgt Ion: 63 Resp: 168115

Ion Ratio Lower Upper

63 100

98 7.3 3.4 10.2

100 4.2 2.6 8.0



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

60000

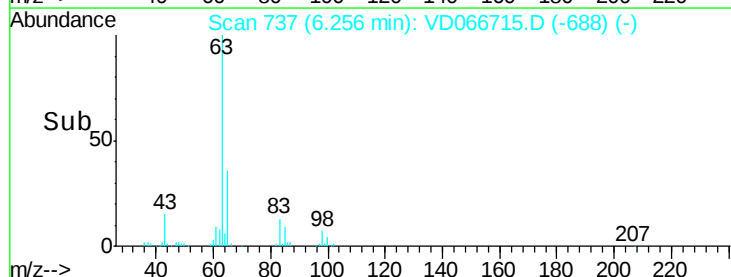
40000

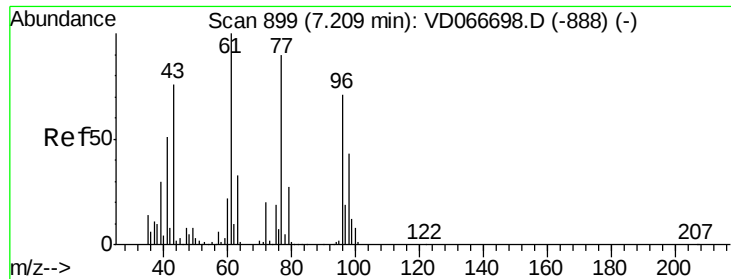
20000

0

6.10 6.20 6.30 6.40

Time-->





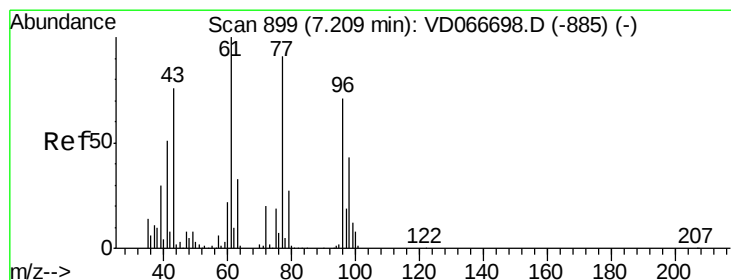
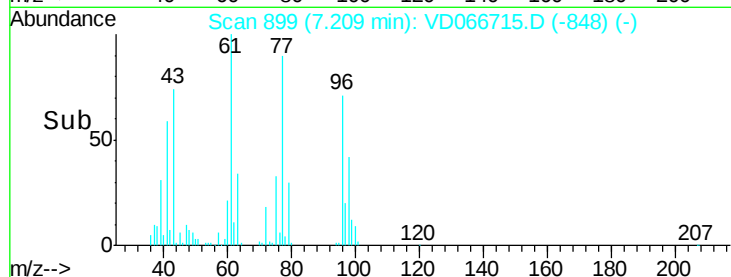
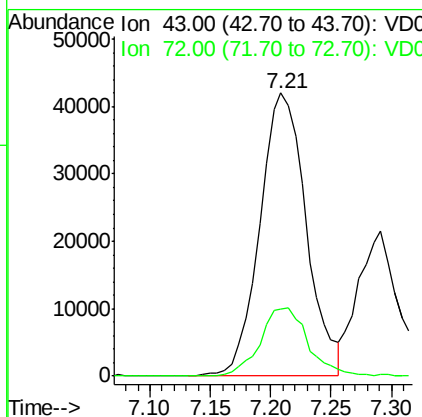
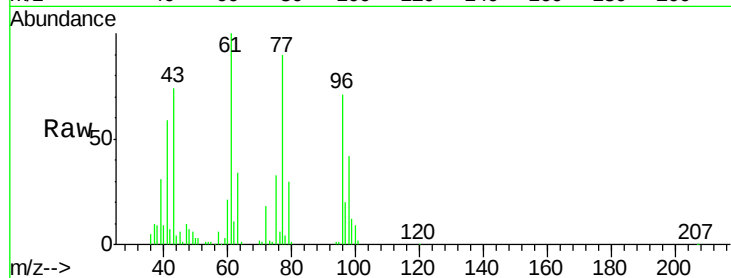
#25
2-Butanone
Concen: 96.348 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 43 Resp: 111900
Ion Ratio Lower Upper
43 100
72 23.6 21.0 31.4

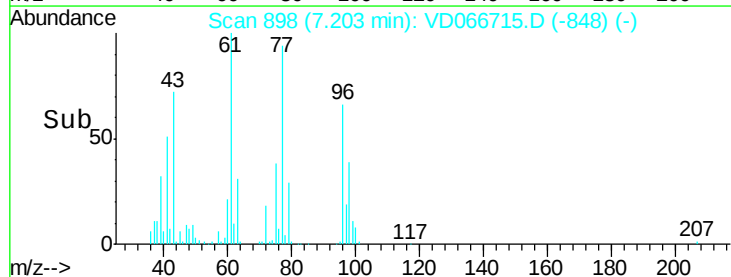
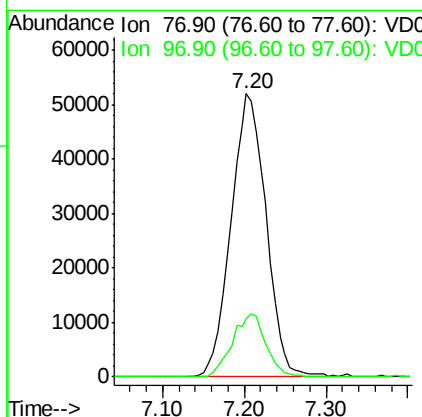
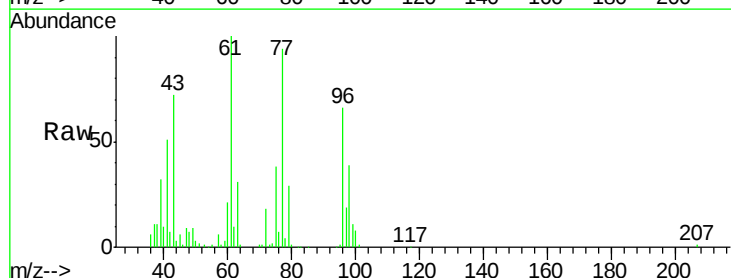
Manual Integrations
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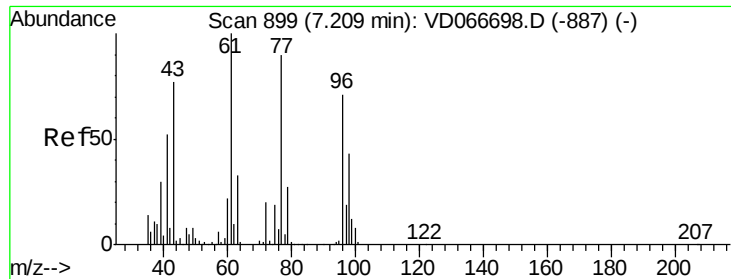
MMDadoda
9/17/2020 1:05:03 PM



#26
2,2-Dichloropropane
Concen: 19.728 ug/l
RT: 7.20 min Scan# 898
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 77 Resp: 155172
Ion Ratio Lower Upper
77 100
97 21.3 10.6 31.8





#27

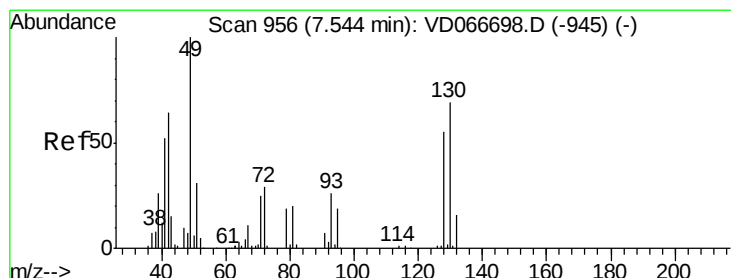
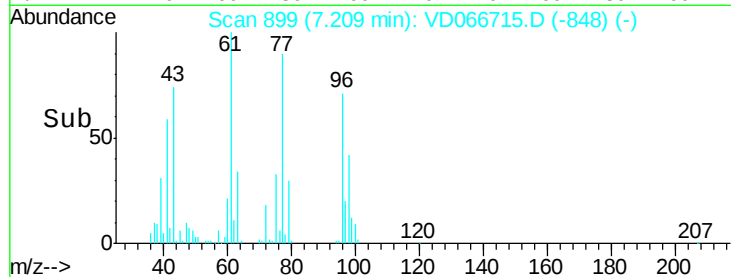
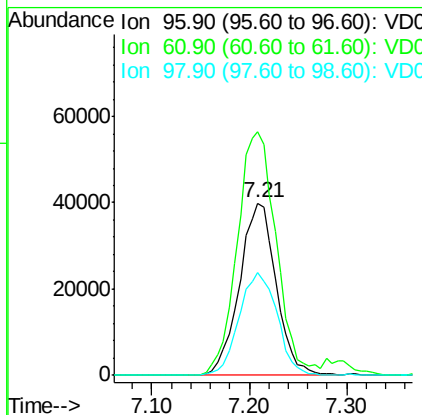
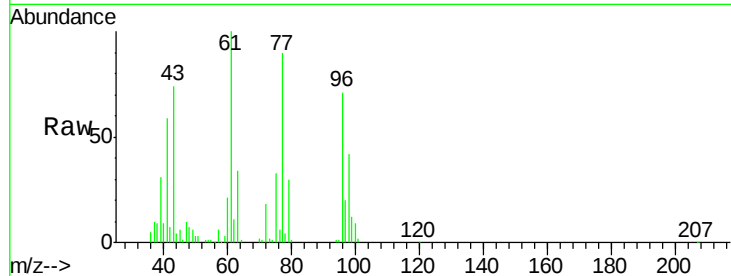
cis-1,2-Dichloroethene
 Concen: 20.017 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	104799		
61	148.3		0.0	292.4
98	61.5		0.0	127.0

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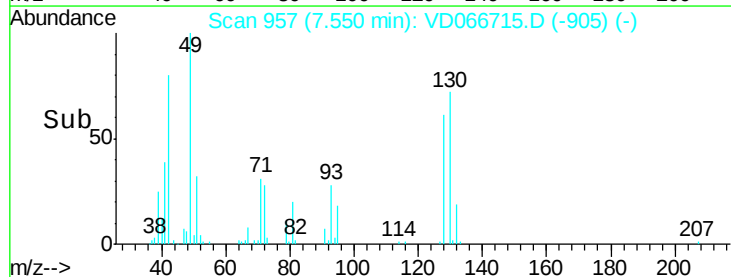
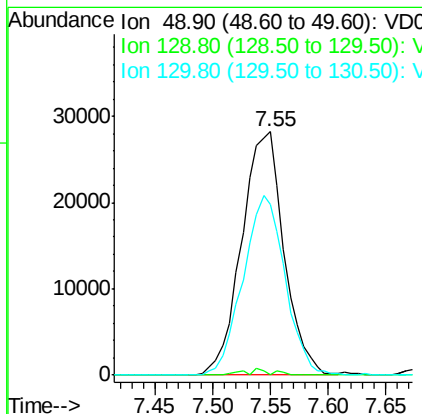
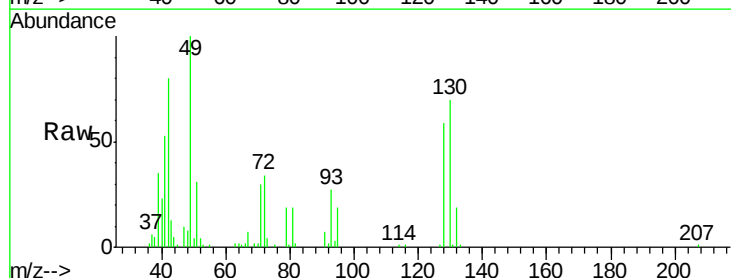
MMDadoda
 9/17/2020 1:05:03 PM

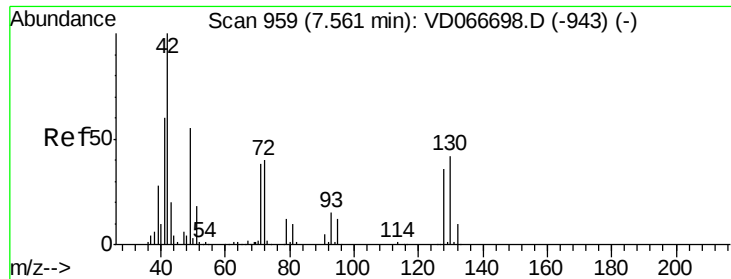


#28

Bromochloromethane
 Concen: 22.706 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72138		
129	0.4		0.0	3.8
130	73.0		58.6	88.0





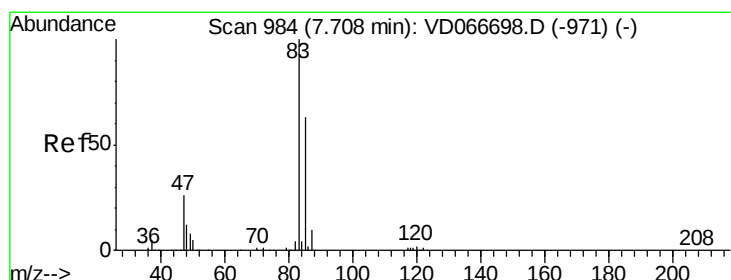
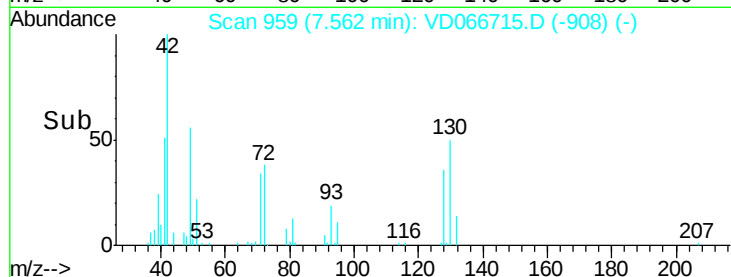
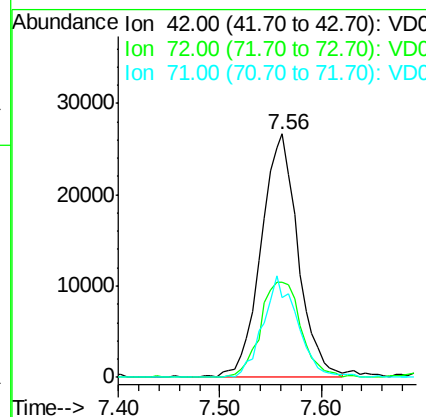
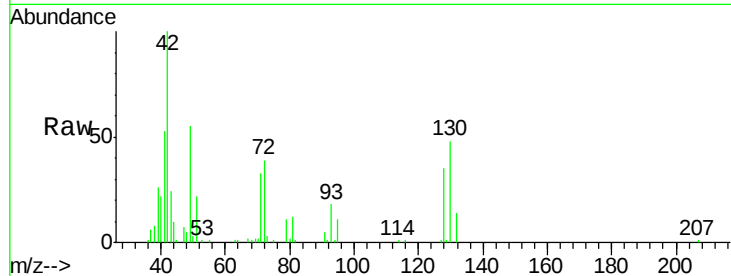
#29
Tetrahydrofuran
Concen: 95.167 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.2	32.6	48.8
71	38.7	30.6	45.8

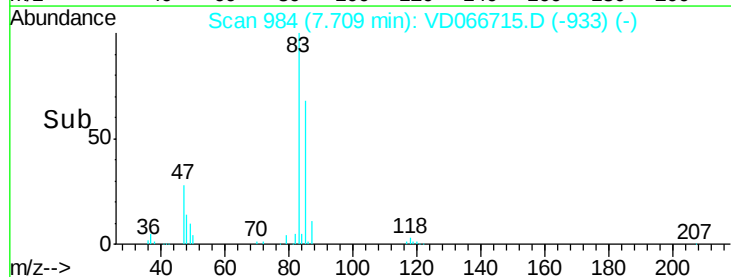
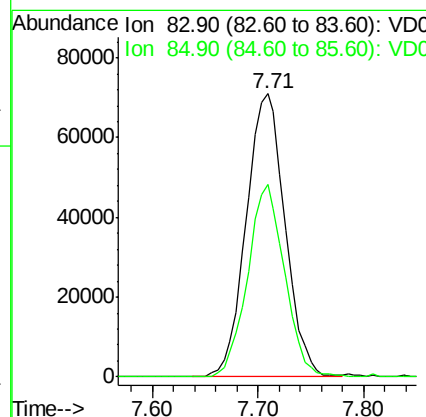
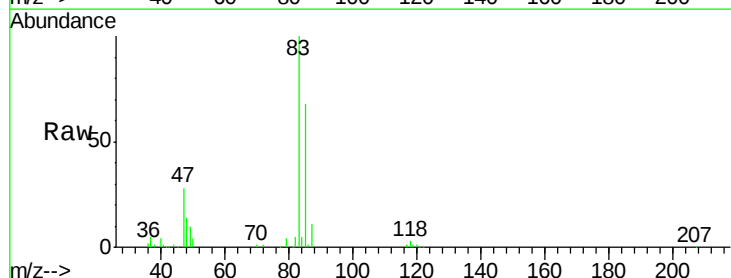
Manual Integrations
APPROVED

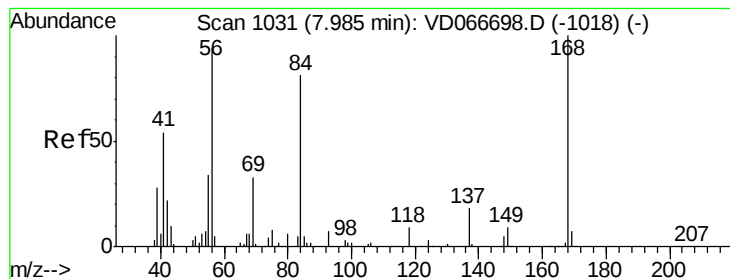
MMDadoda
9/17/2020 1:05:03 PM



#30
Chloroform
Concen: 19.999 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.2	50.6	76.0





#31

Cyclohexane

Concen: 20.071 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

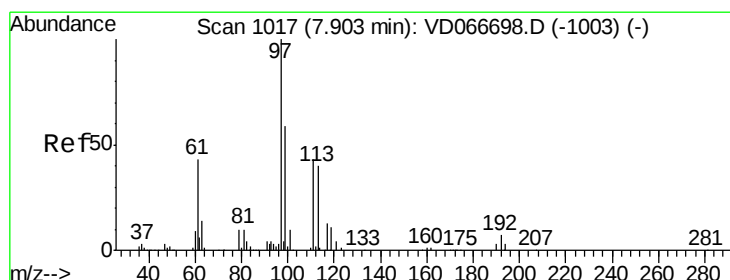
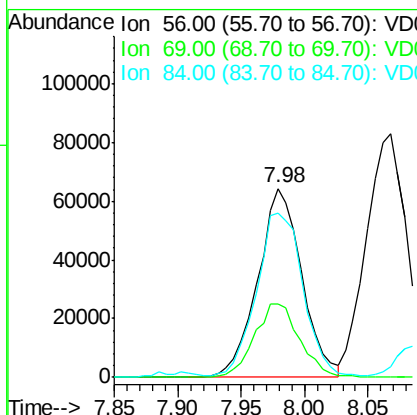
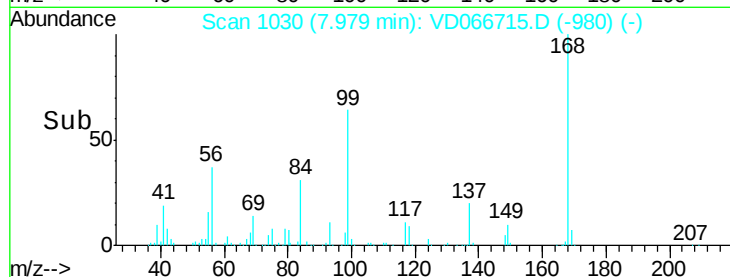
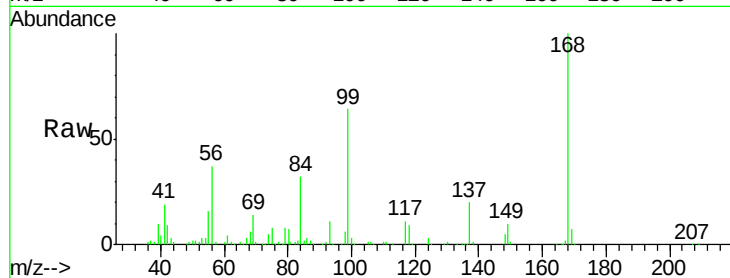
ClientSampleId :

VD0916SBS01

Tot Ion	56	Resp	155288
Ion Ratio	Lower	Upper	
56	100		
69	38.6	27.7	41.5
84	85.1	68.5	102.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 20.306 ug/l

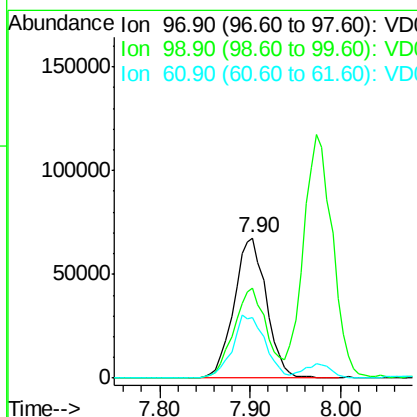
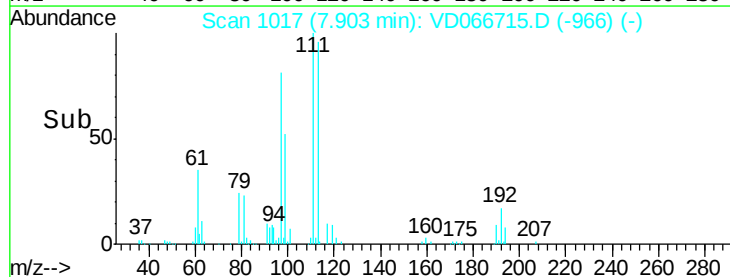
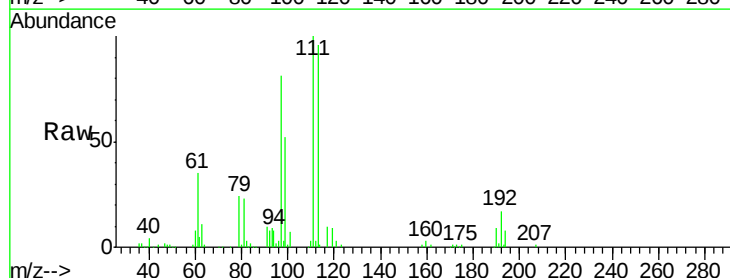
RT: 7.90 min Scan# 1017

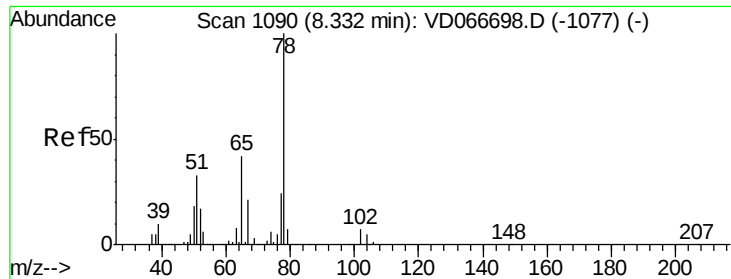
Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion	97	Resp	168208
Ion Ratio	Lower	Upper	
97	100		
99	65.2	51.0	76.4
61	45.2	35.2	52.8





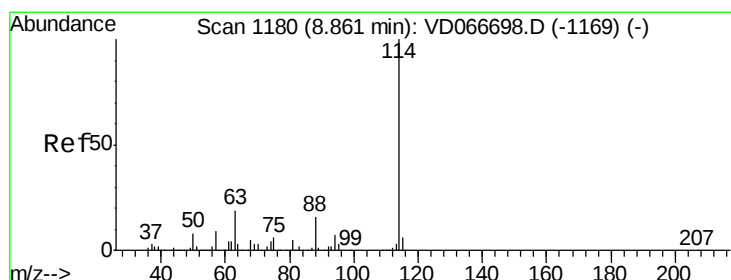
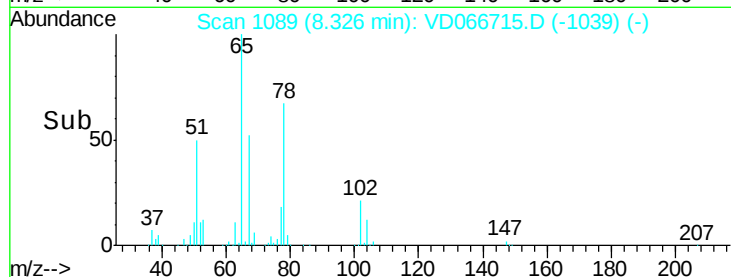
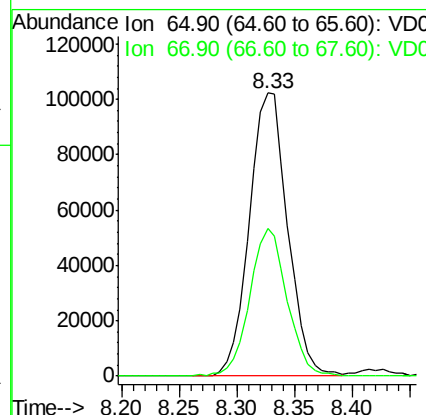
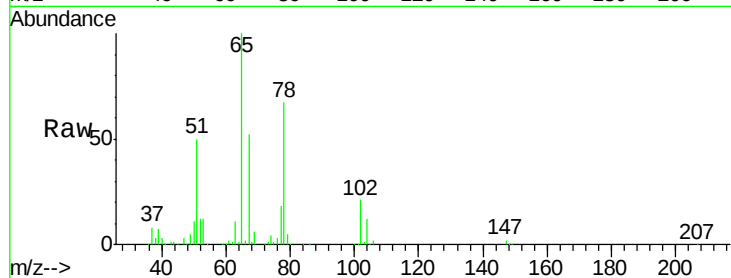
#33
 1,2-Dichloroethane-d4
 Concen: 54.063 ug/l
 RT: 8.33 min Scan# 1089
 Delta R.T. -0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	236792		
67	50.8	0.0	102.2	

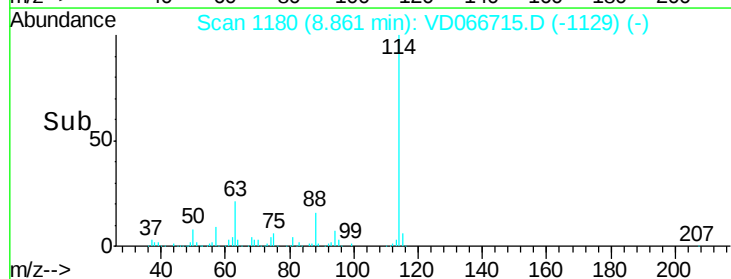
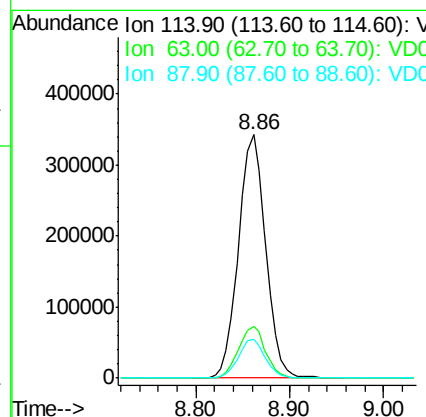
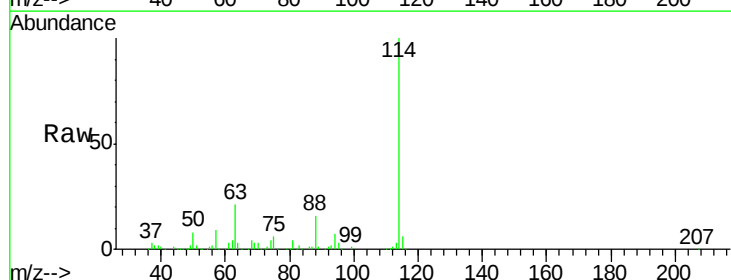
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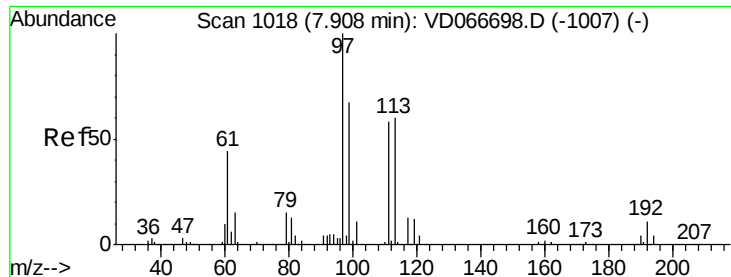
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.86 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	690556		
63	21.1	0.0	37.6	
88	16.1	0.0	32.2	





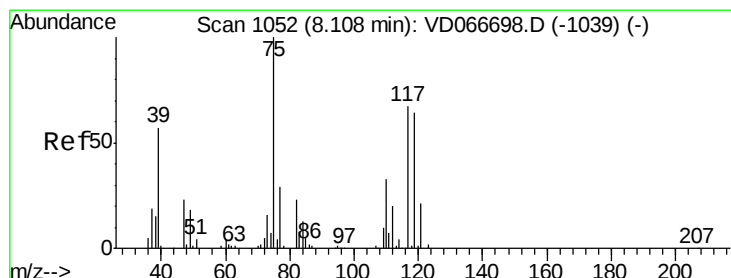
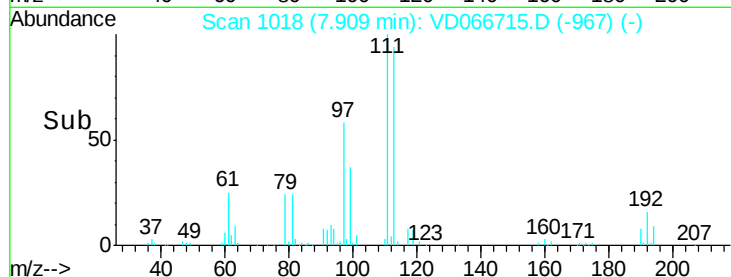
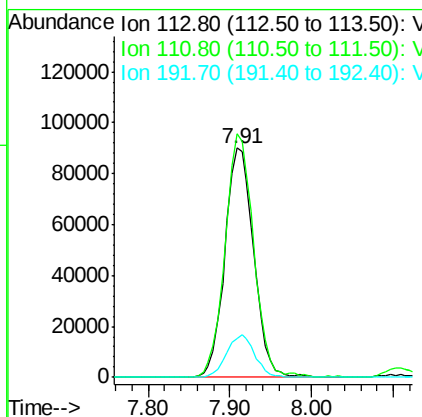
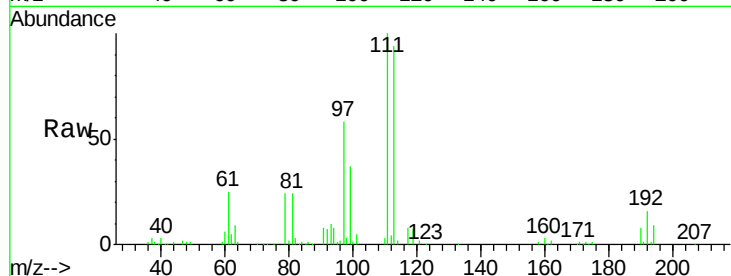
#35
Dibromofluoromethane
Concen: 52.277 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221329		
111	105.0	83.2	124.8	
192	18.0	14.8	22.2	

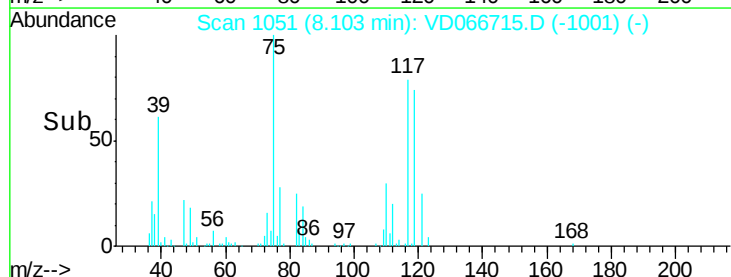
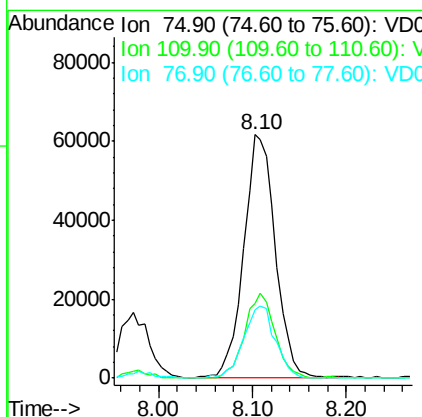
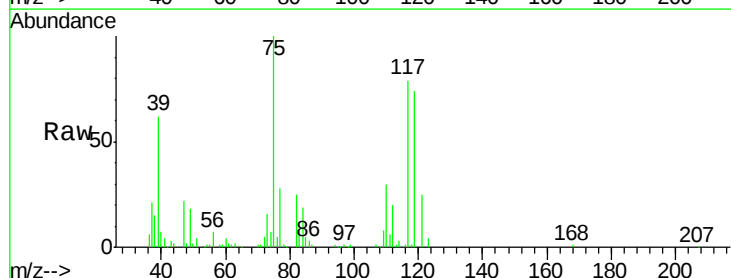
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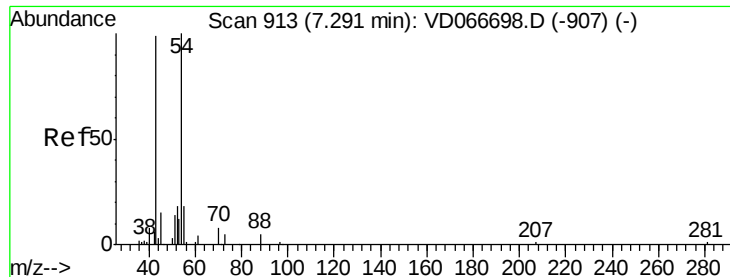
MMDadoda
9/17/2020 1:05:03 PM



#36
1,1-Dichloropropene
Concen: 19.991 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	141936		
110	33.6	17.1	51.2	
77	30.2	25.0	37.6	





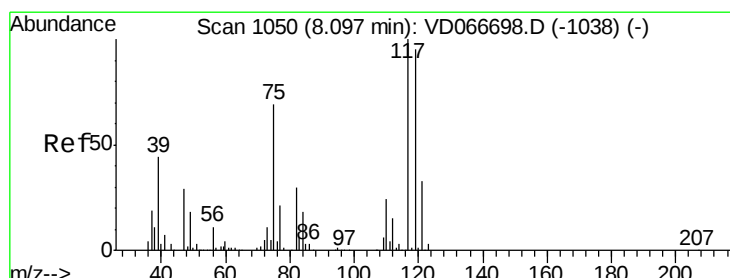
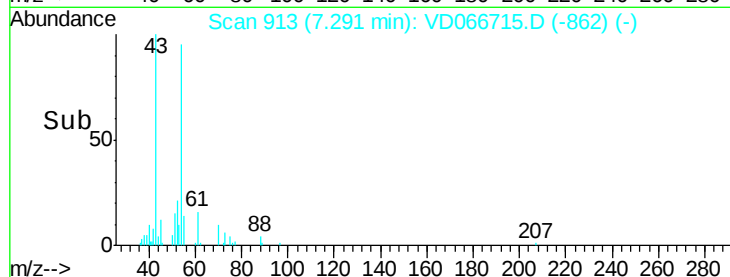
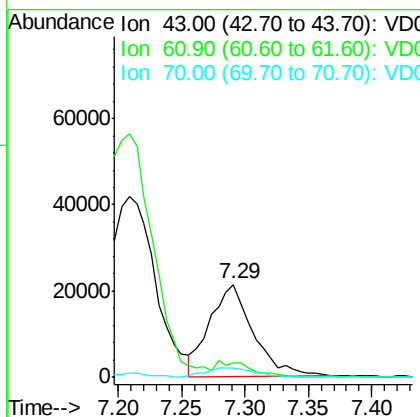
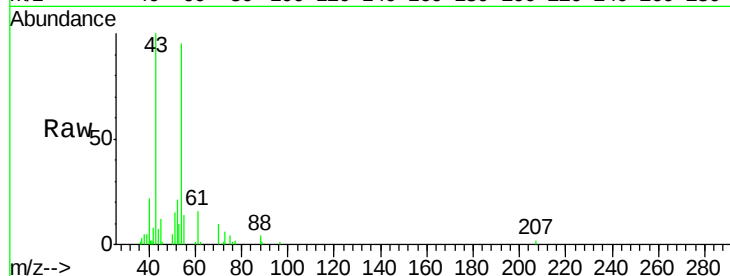
#37
Ethyl Acetate
Concen: 18.885 ug/l
RT: 7.29 min Scan# 913
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	10.4	15.6
70	11.7	7.5	11.3

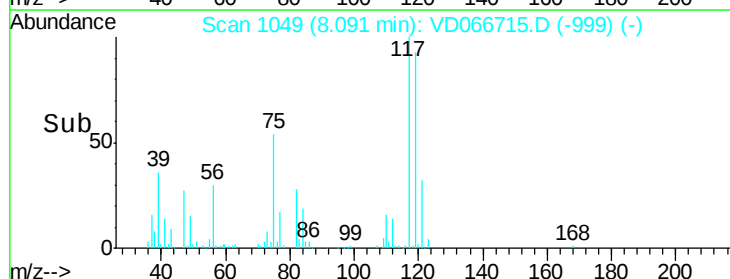
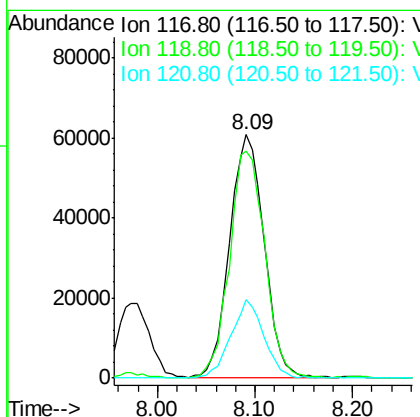
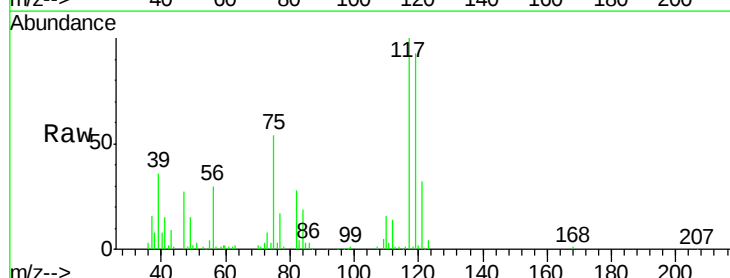
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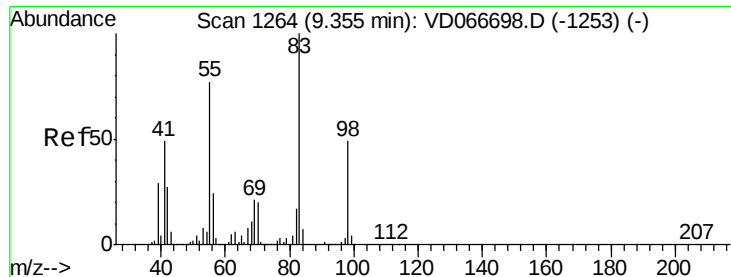
MMDadoda
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#38
Carbon Tetrachloride
Concen: 20.032 ug/l
RT: 8.09 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.8	75.8	113.6
121	32.1	26.2	39.4





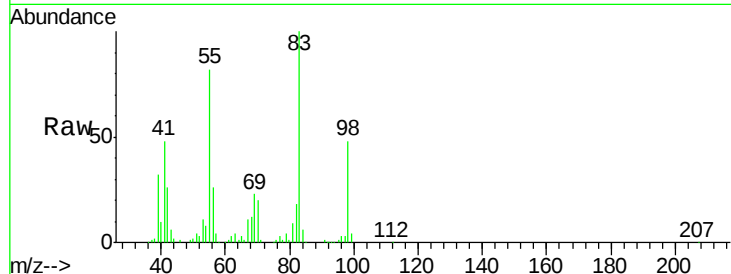
#39
Methvlcvclohexane
Concen: 18.766 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

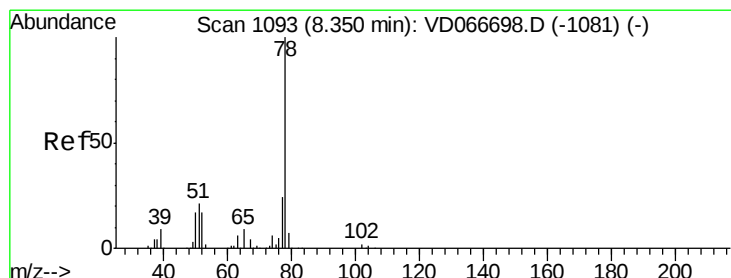
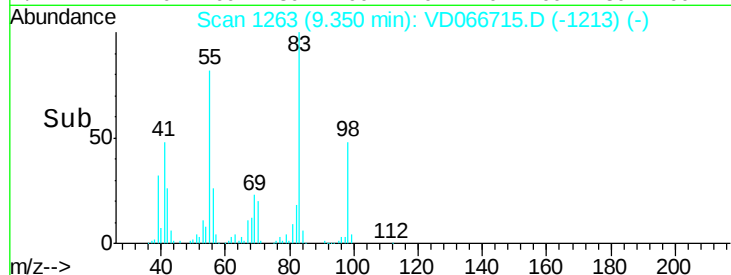
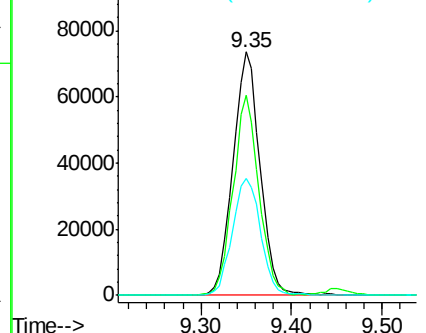
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	82.2	61.5	92.3	
98	47.9	39.3	58.9	

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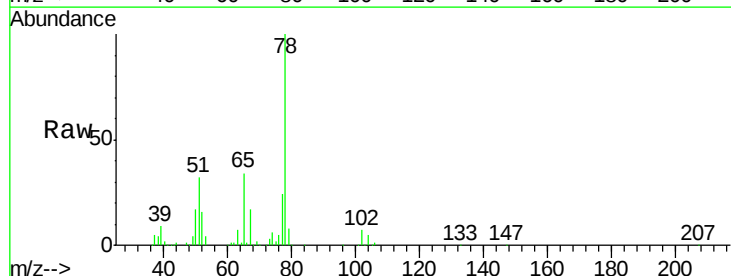


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

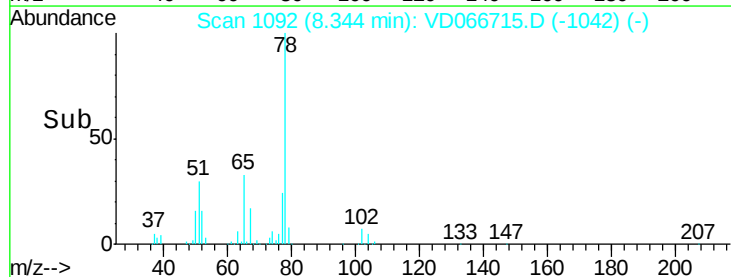
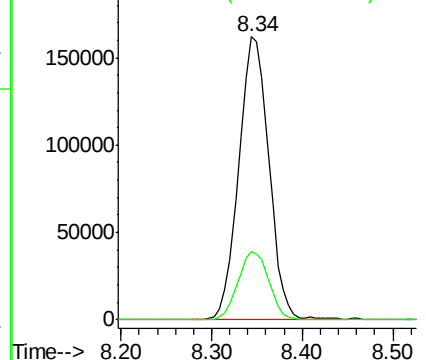


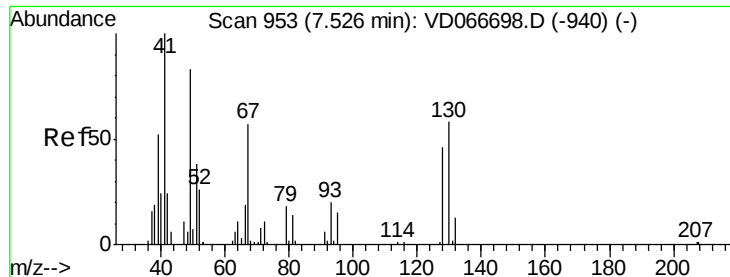
#40
Benzene
Concen: 19.536 ug/l
RT: 8.34 min Scan# 1092
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.0	19.3	28.9	



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





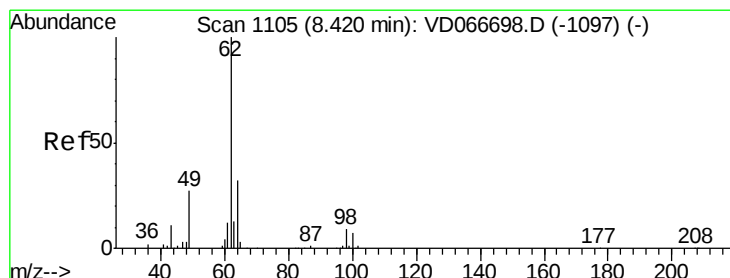
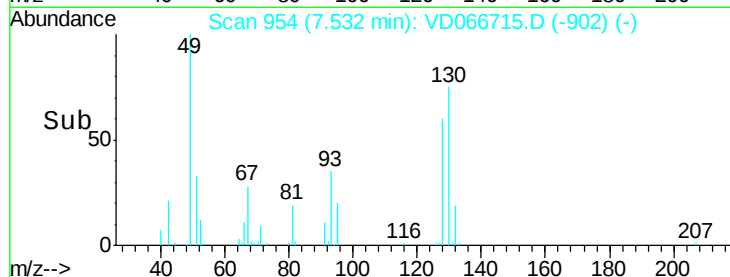
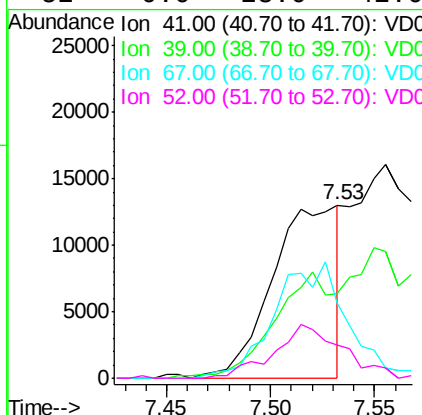
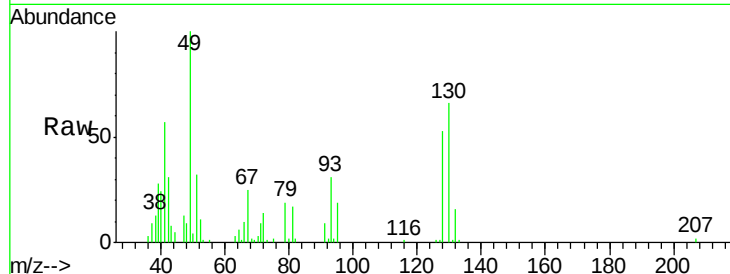
#41
Methacrylonitrile
Concen: 20.400 ug/l m
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.8	59.3	88.9
67	0.0	62.3	93.5#
52	0.0	28.0	42.0#

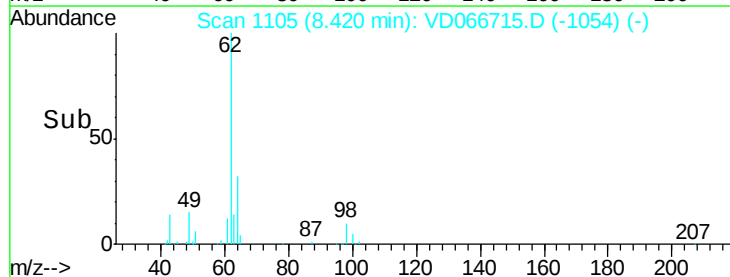
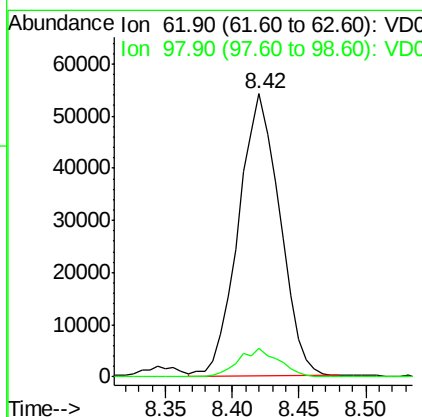
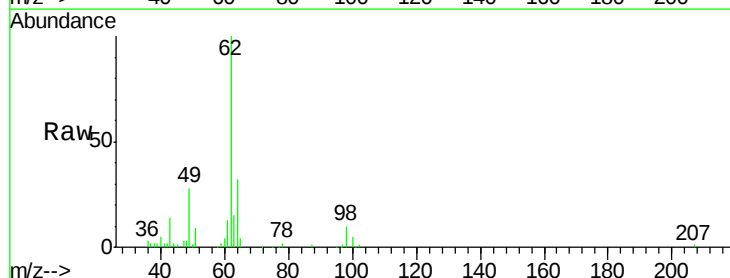
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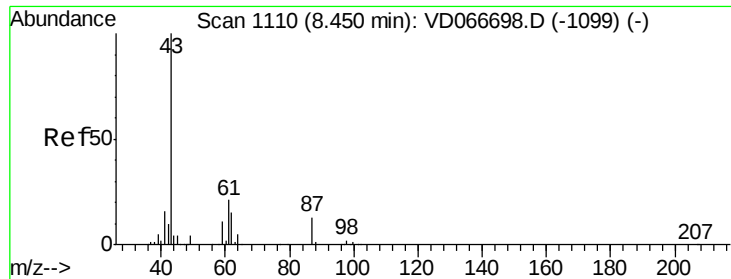
MMDadoda
9/17/2020 1:05:03 PM



#42
1,2-Dichloroethane
Concen: 19.508 ug/l
RT: 8.42 min Scan# 1105
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.558 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

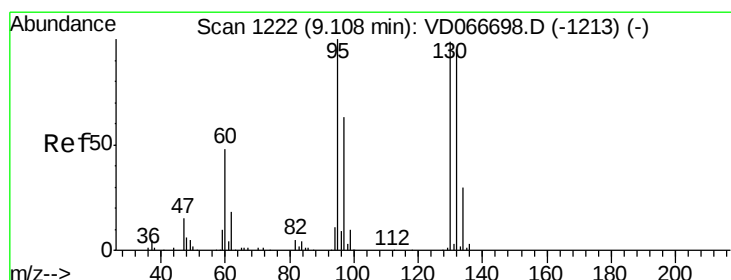
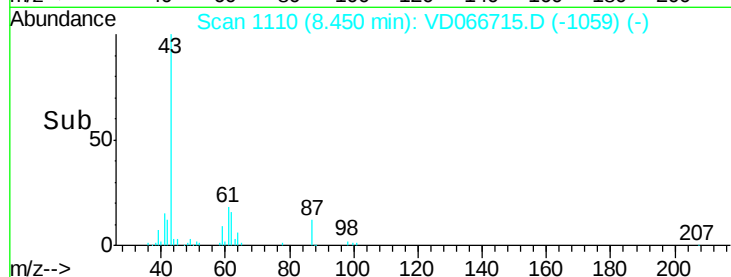
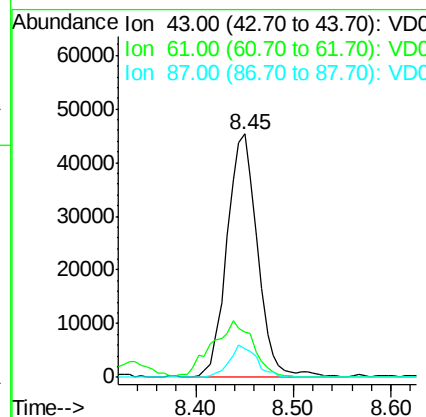
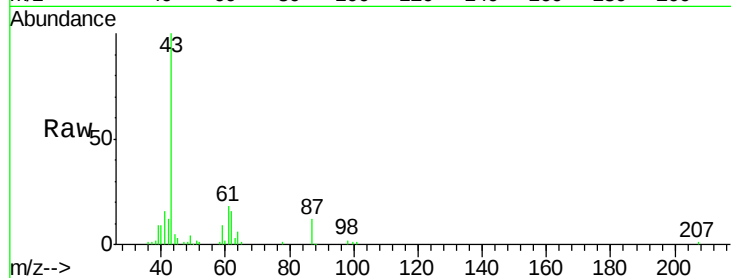
ClientSampleId :

VD0916SBS01

Tot Ion:	43	Resp:	98948
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.8	37.2
87	12.0	10.4	15.6

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#44

Trichloroethene

Concen: 19.398 ug/l

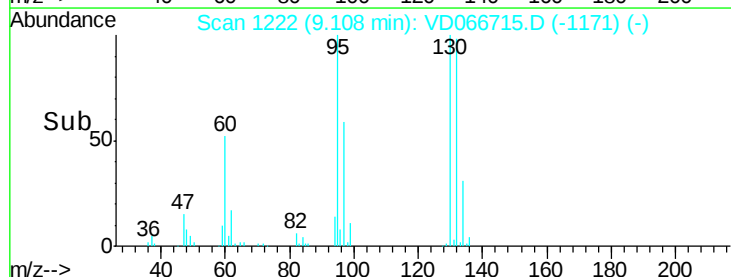
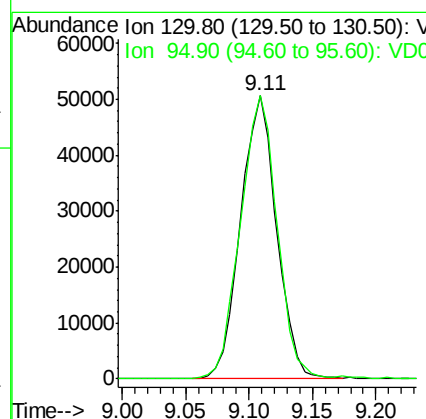
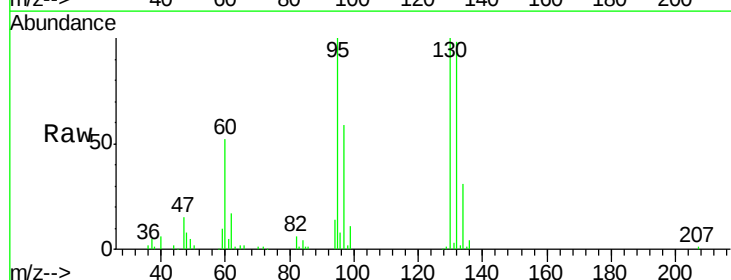
RT: 9.11 min Scan# 1222

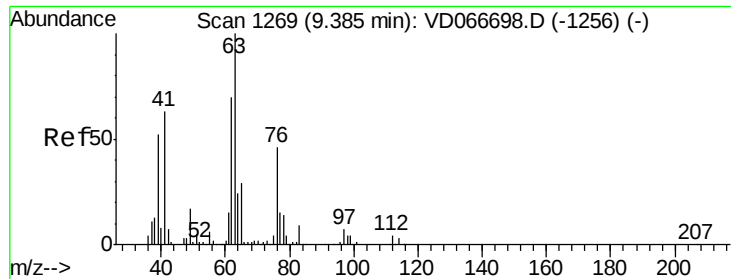
Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion:	130	Resp:	99624
Ion	Ratio	Lower	Upper
130	100		
95	100.1	0.0	201.4





#45

1,2-Dichloropropane

Concen: 19.552 ug/l

RT: 9.38 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion: 63 Resp: 92845

Ion Ratio Lower Upper

63 100

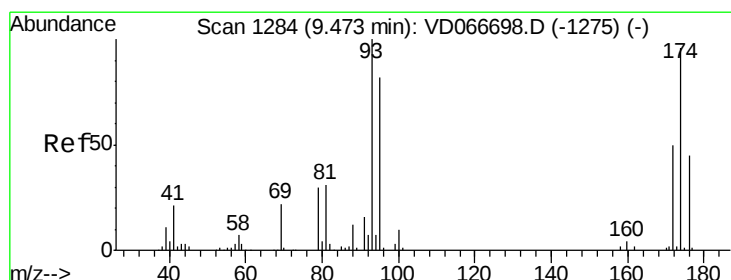
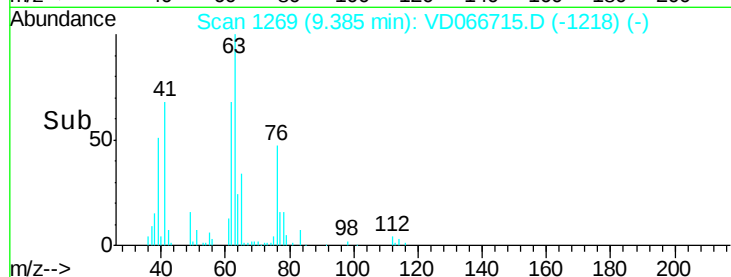
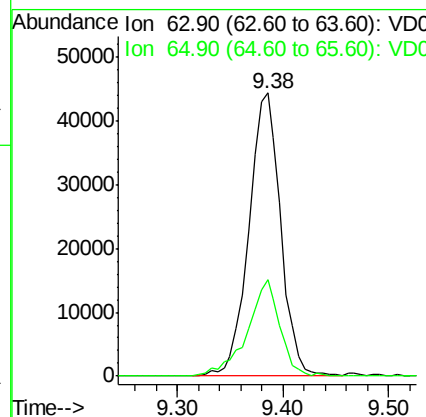
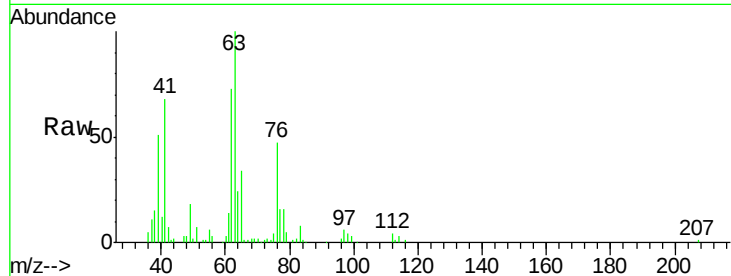
65 33.9 23.4 35.0

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#46

Dibromomethane

Concen: 20.061 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

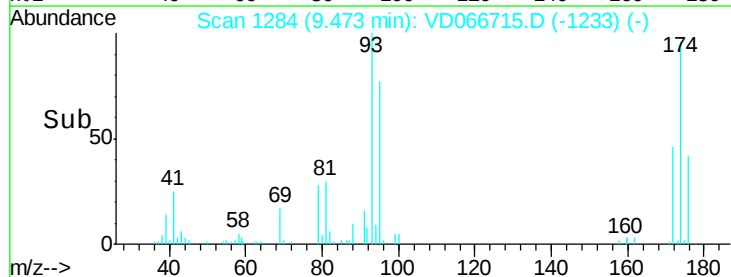
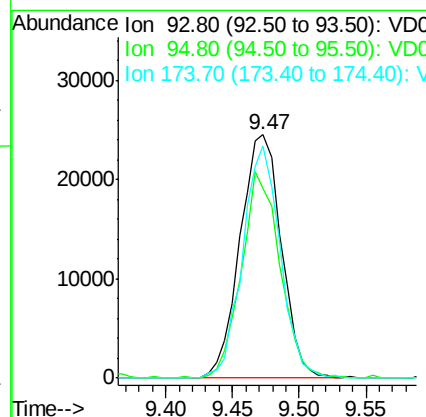
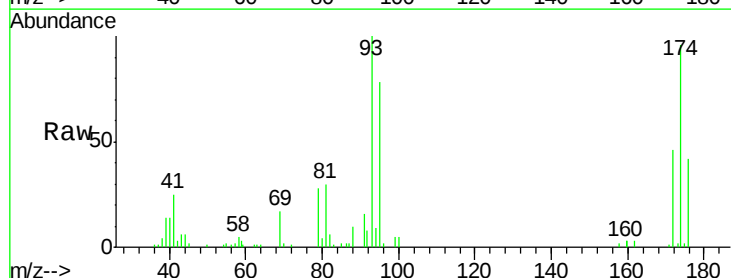
Tgt Ion: 93 Resp: 52347

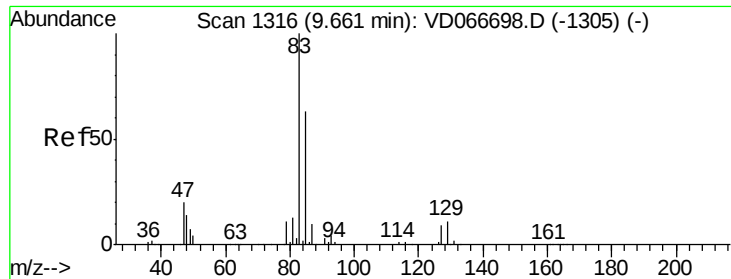
Ion Ratio Lower Upper

93 100

95 79.7 66.0 99.0

174 87.1 72.3 108.5





#47

Bromodichloromethane

Concen: 19.683 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

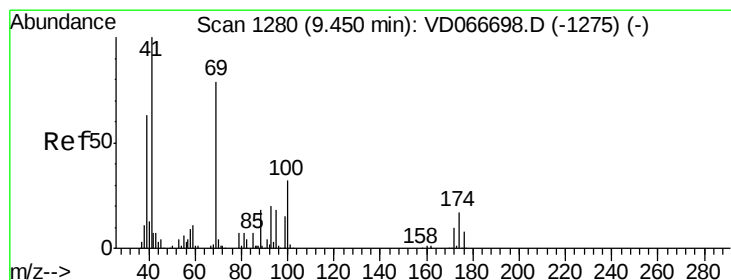
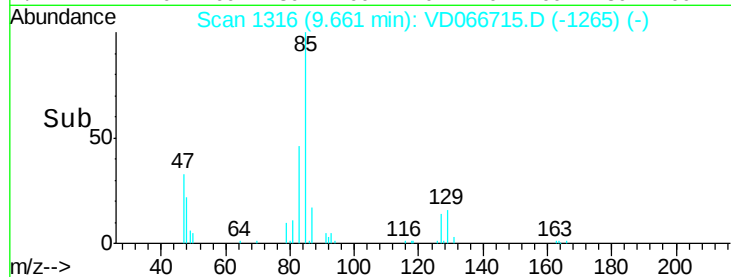
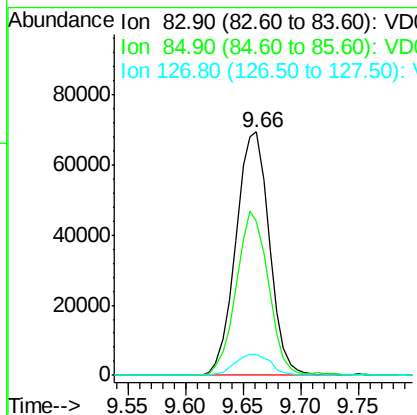
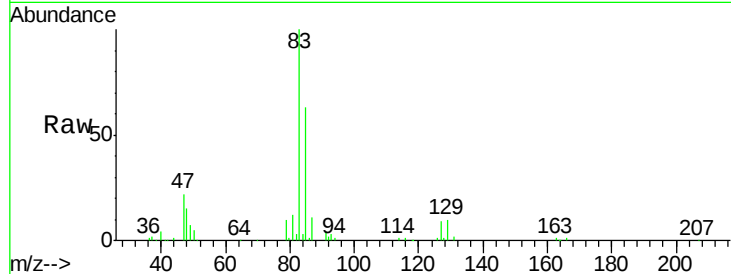
ClientSampleId :

VD0916SBS01

Tot Ion:	83	Resp:	139950
Ion	Ratio	Lower	Upper
83	100		
85	63.1	50.1	75.1
127	8.6	6.9	10.3

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#48

Methyl methacrylate

Concen: 19.823 ug/l

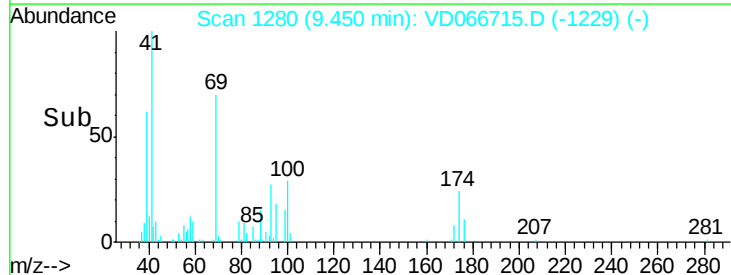
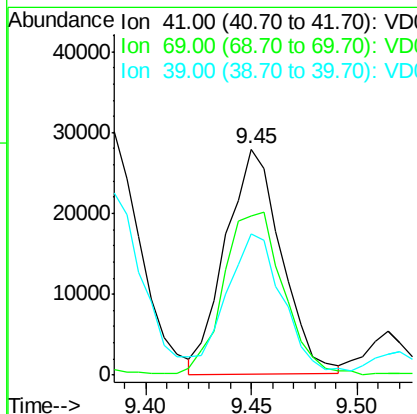
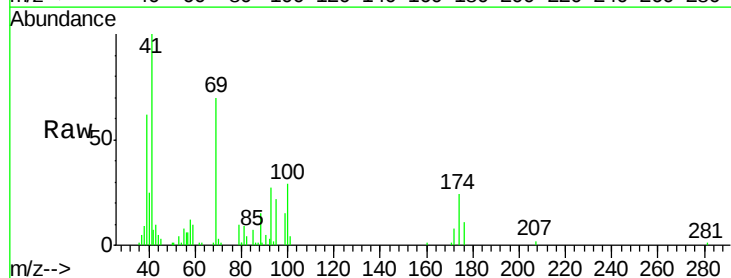
RT: 9.45 min Scan# 1280

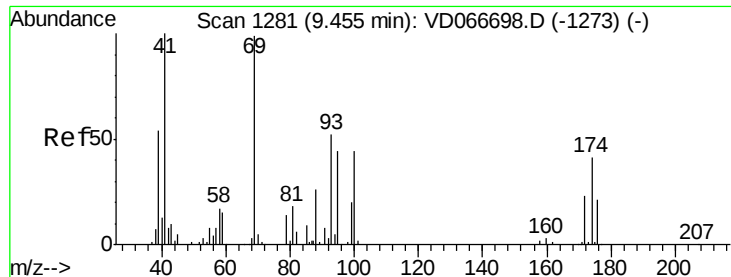
Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion:	41	Resp:	51011
Ion	Ratio	Lower	Upper
41	100		
69	78.0	62.4	93.6
39	59.9	44.8	67.2





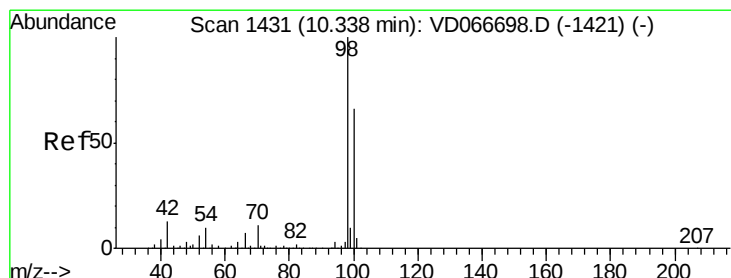
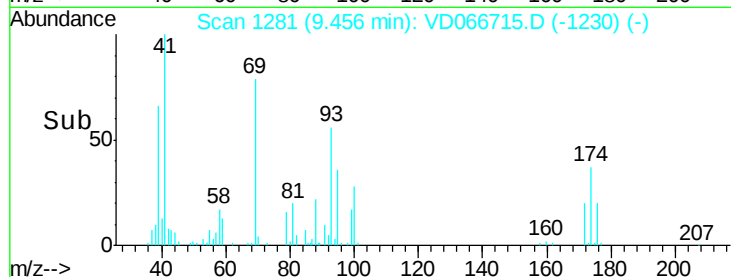
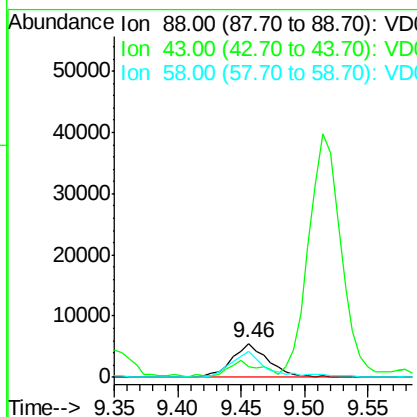
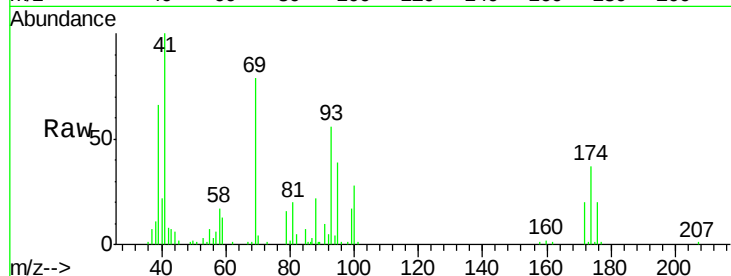
#49
1,4-Dioxane
Concen: 392.538 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	88	Resp	10972
Ion	Ratio	Lower	Upper
88	100		
43	35.9	29.3	43.9
58	70.4	51.4	77.2

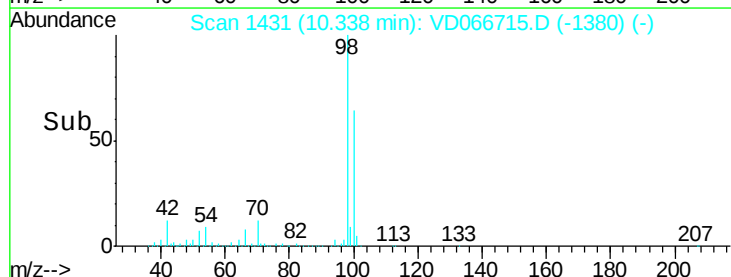
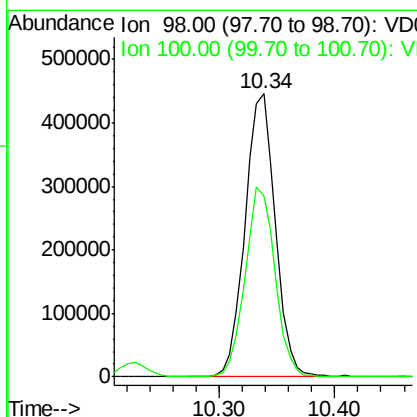
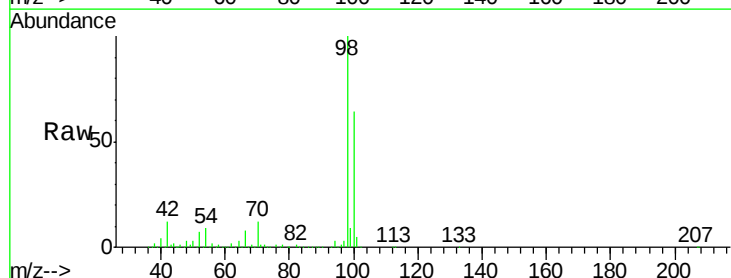
Manual Integrations
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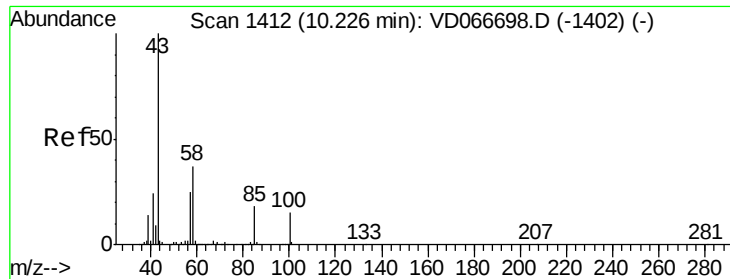
MMDadoda
9/17/2020 1:05:03 PM



#50
Toluene-d8
Concen: 53.989 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	98	Resp	814357
Ion	Ratio	Lower	Upper
98	100		
100	66.5	52.7	79.1





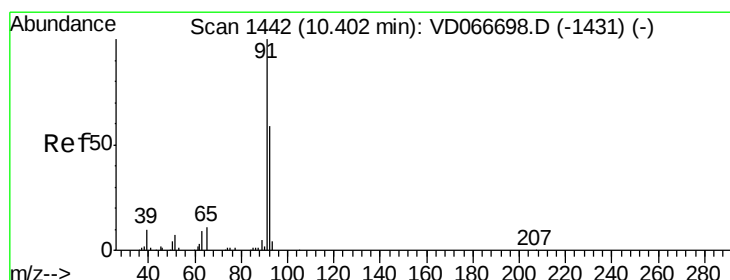
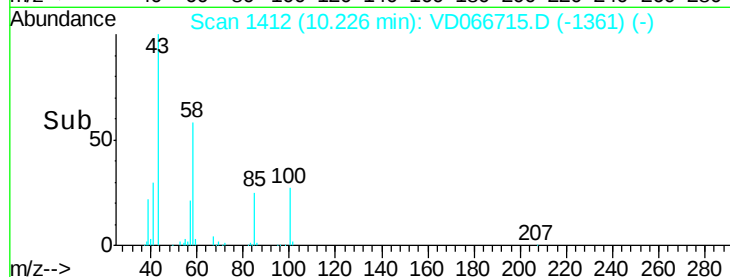
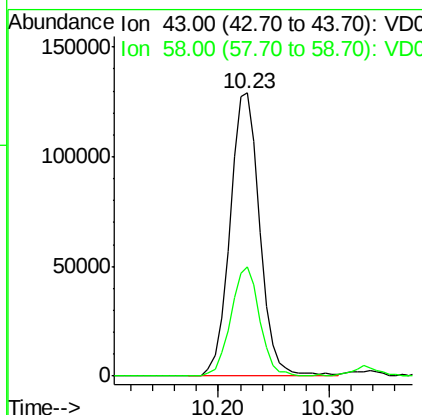
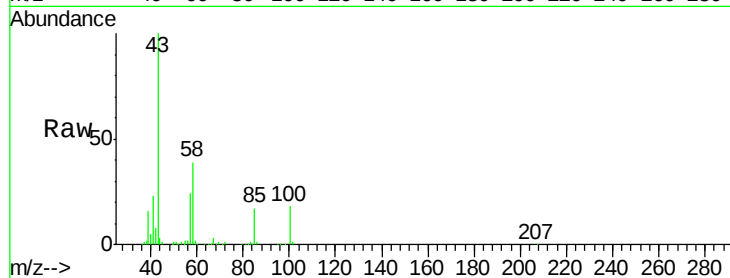
#51
4-Methyl-2-Pentanone
Concen: 93.642 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	37.4	30.4	45.6

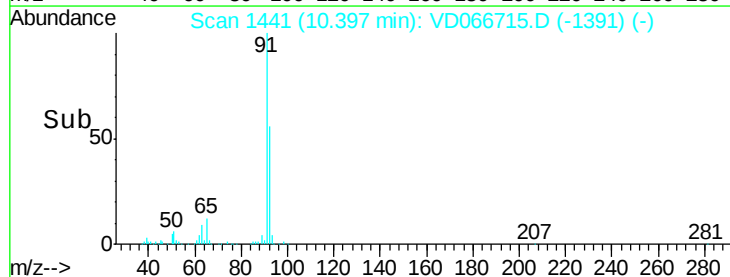
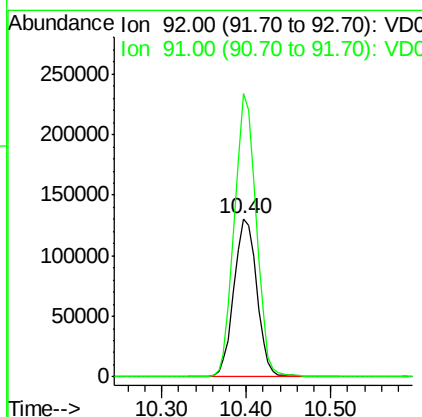
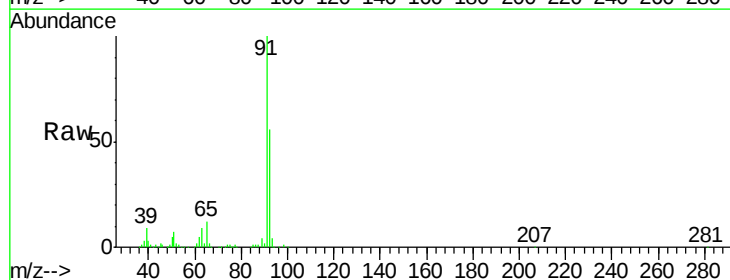
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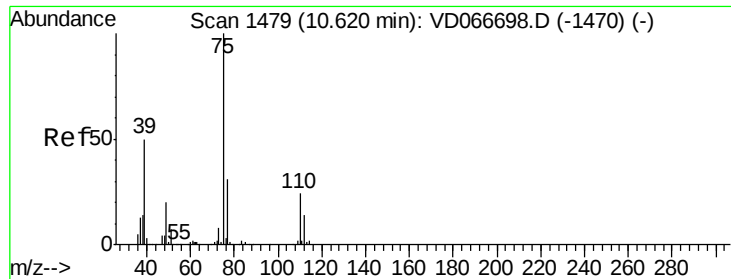
MMDadoda
9/17/2020 1:05:03 PM



#52
Toluene
Concen: 19.779 ug/l
RT: 10.40 min Scan# 1441
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
92	100		
91	170.7	135.8	203.8





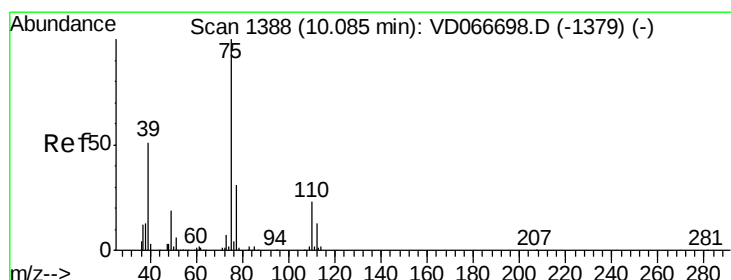
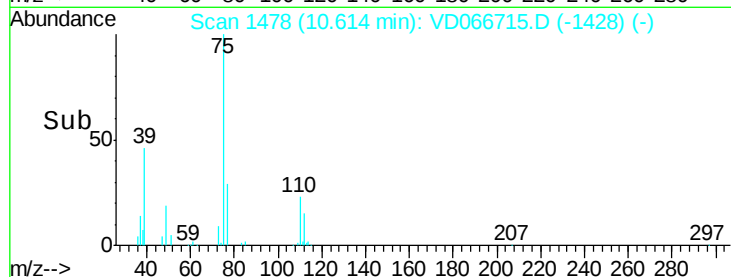
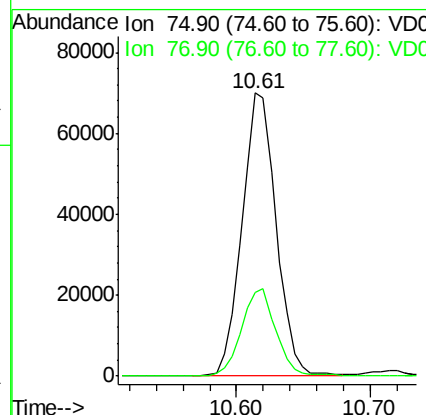
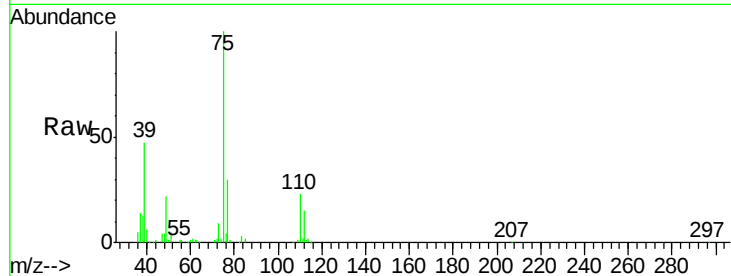
#53
 t-1,3-Dichloropropene
 Concen: 19.441 ug/l
 RT: 10.61 min Scan# 1478
 Delta R.T. -0.01 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	29.6	24.6	36.8

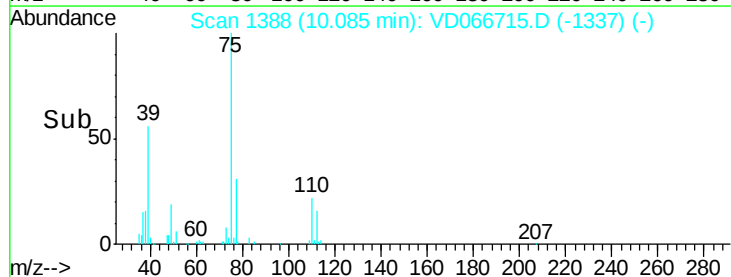
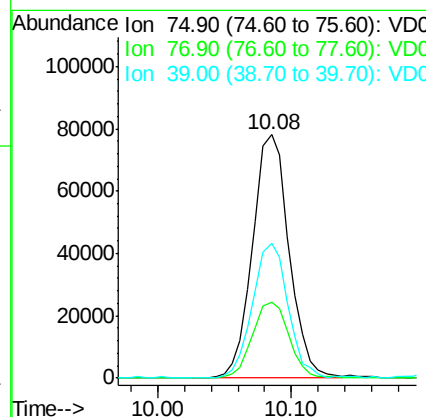
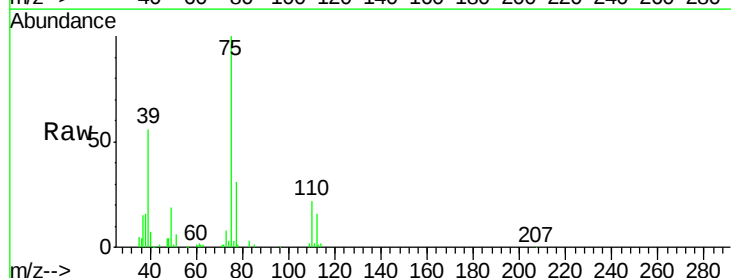
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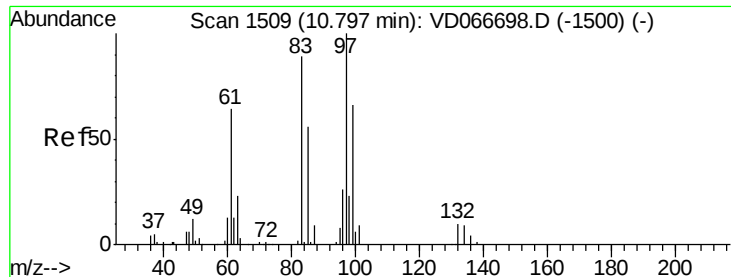
MMDadoda
 9/17/2020 1:05:03 PM



#54
 cis-1,3-Dichloropropene
 Concen: 19.585 ug/l
 RT: 10.08 min Scan# 1388
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.0	37.6
39	55.3	40.6	61.0





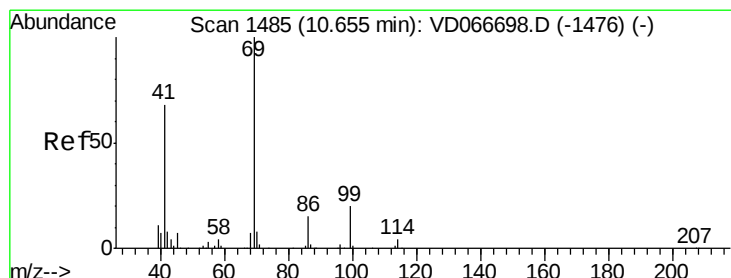
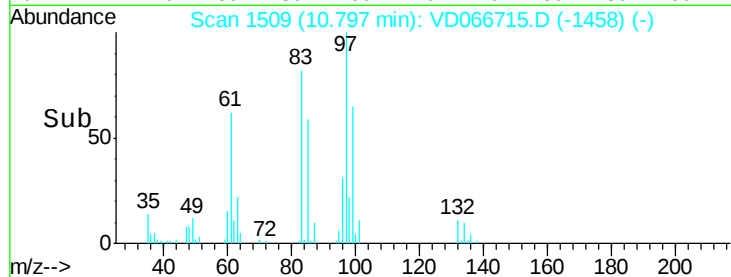
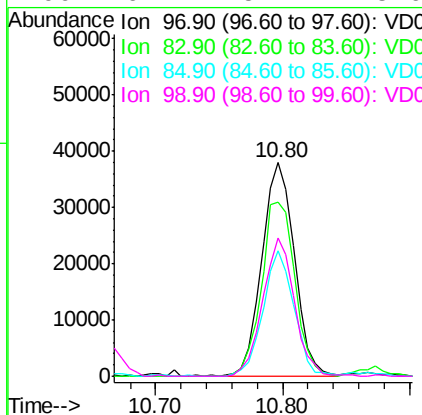
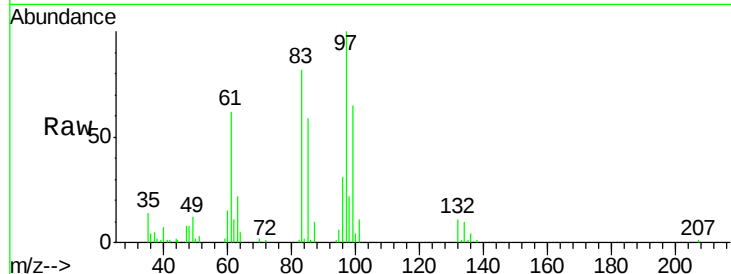
#55
 1,1,2-Trichloroethane
 Concen: 19.761 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	81.5	71.4	107.2
85	58.5	44.7	67.1
99	64.7	52.4	78.6

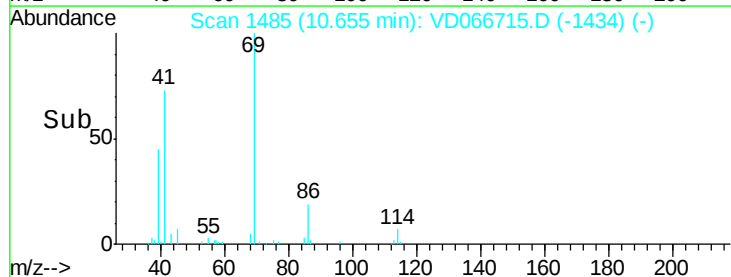
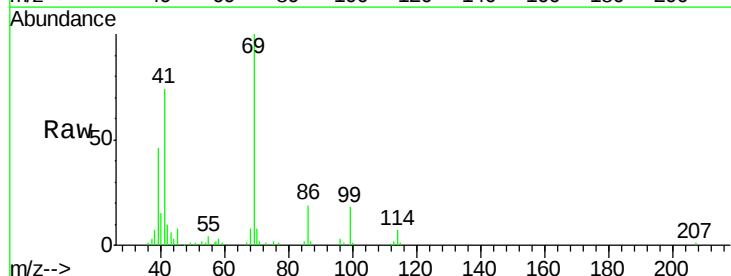
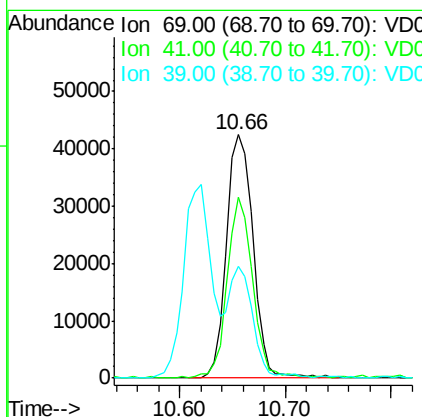
Manual Integrations
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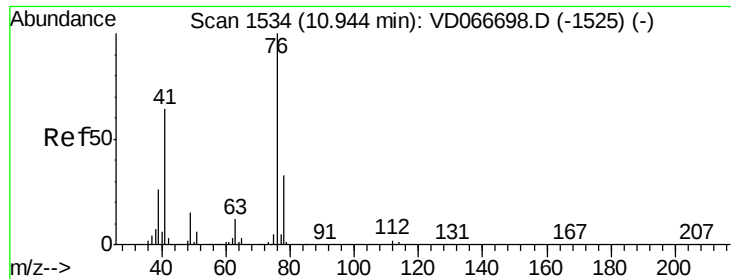
MMDadoda
 9/17/2020 1:05:03 PM



#56
 Ethyl methacrylate
 Concen: 18.927 ug/l
 RT: 10.66 min Scan# 1485
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
69	100		
41	70.7	55.5	83.3
39	43.1	29.7	44.5





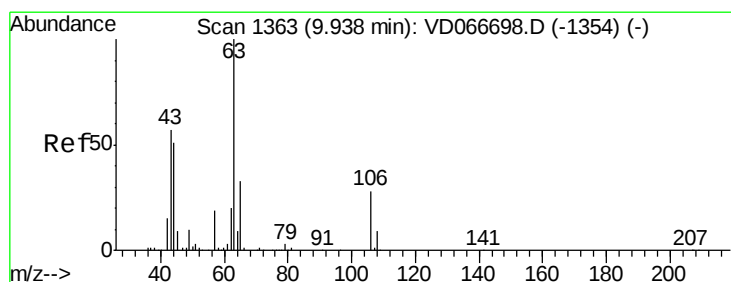
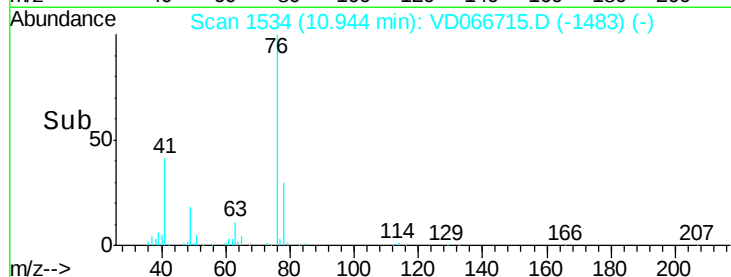
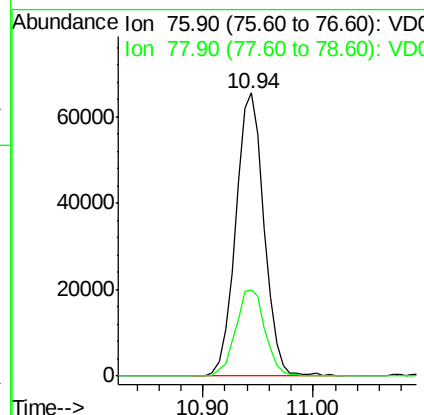
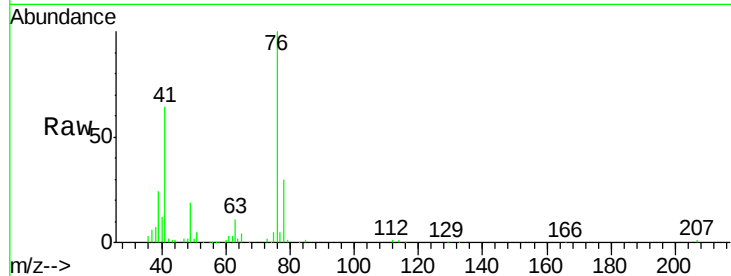
#57
 1,3-Dichloropropane
 Concen: 19.538 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion: 76 Resp: 117963
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.2 39.2

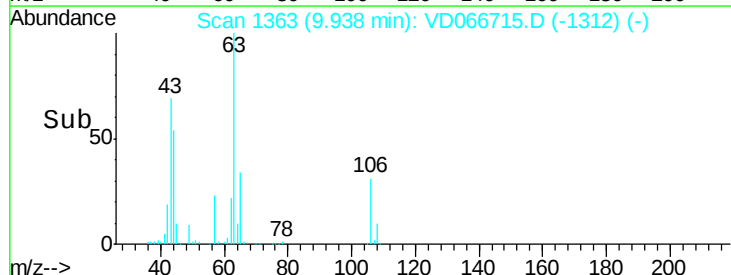
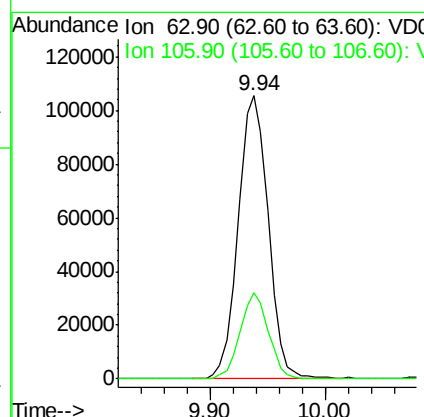
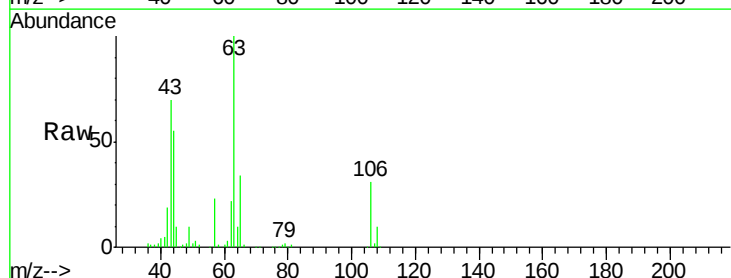
Manual Integrations
 APPROVED

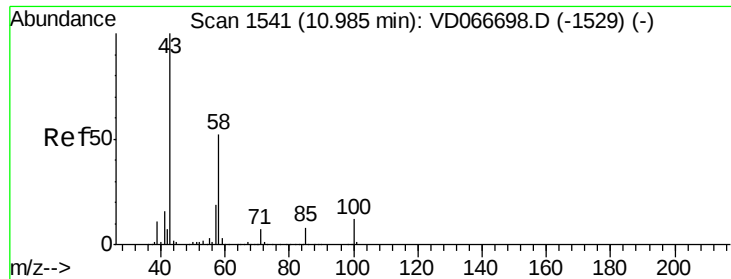
MMDadoda
 9/17/2020 1:05:03 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 110.892 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion: 63 Resp: 190144
 Ion Ratio Lower Upper
 63 100
 106 28.9 22.2 33.4





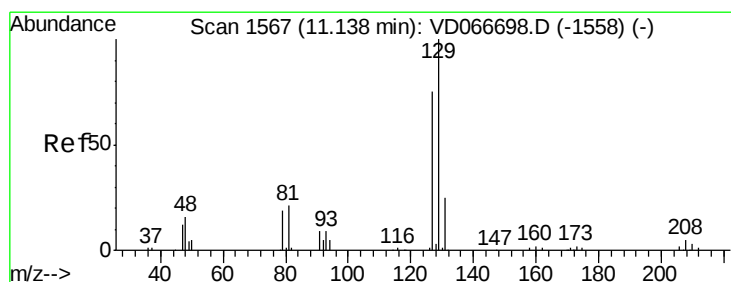
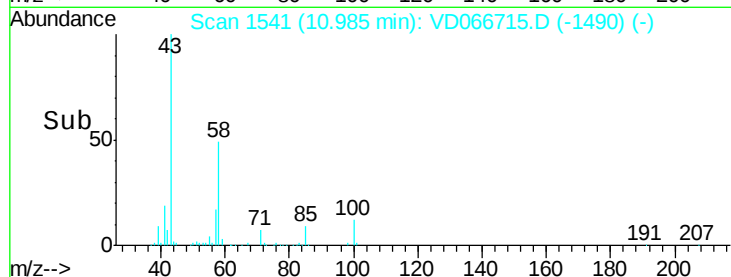
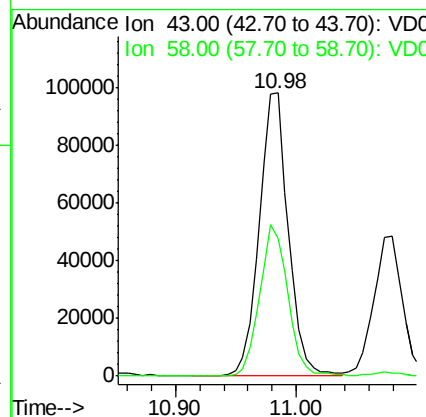
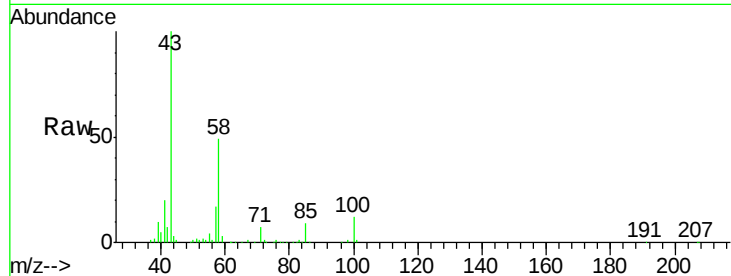
#59
2-Hexanone
Concen: 94.457 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 43 Resp: 165306
Ion Ratio Lower Upper
43 100
58 52.0 26.2 78.5

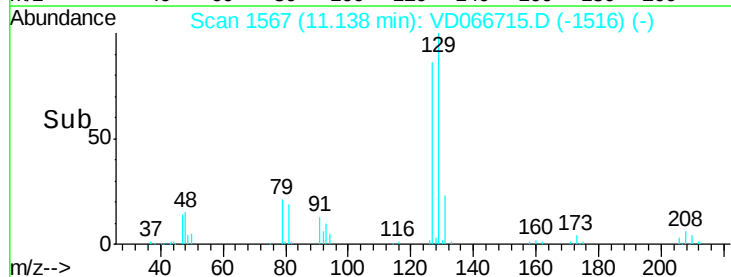
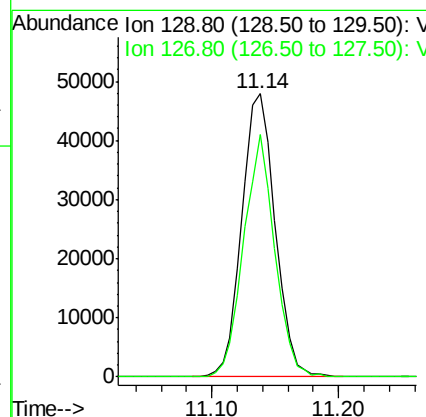
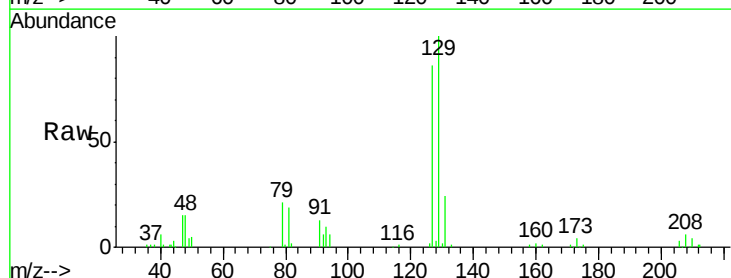
Manual Integrations
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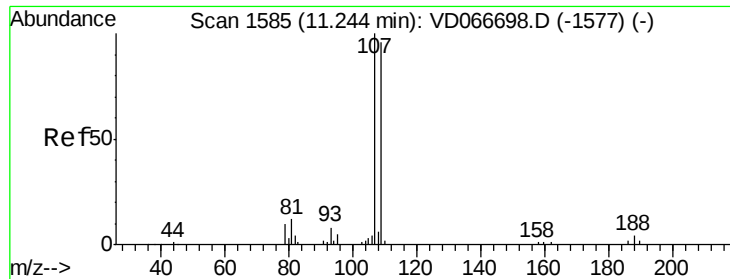
MMDadoda
9/17/2020 1:05:03 PM



#60
Dibromochloromethane
Concen: 19.519 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 129 Resp: 87500
Ion Ratio Lower Upper
129 100
127 79.8 38.1 114.3





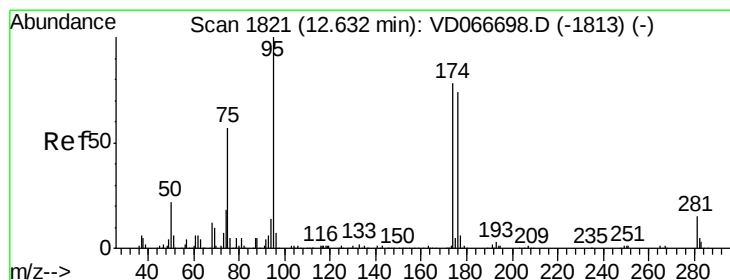
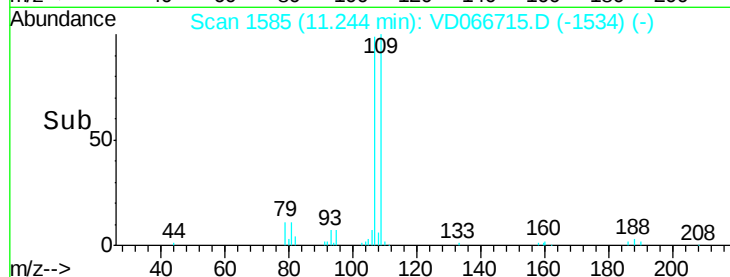
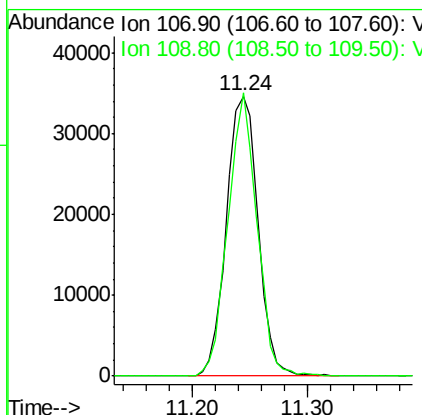
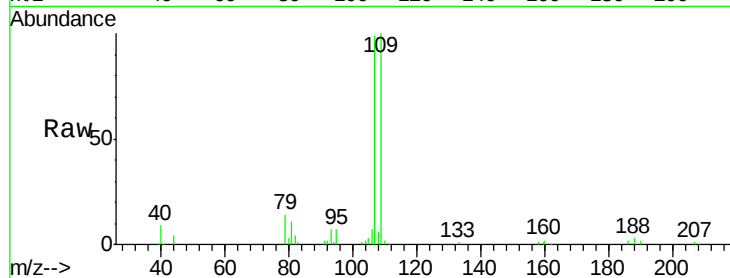
#61
 1,2-Dibromoethane
 Concen: 19.967 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	75.6	113.4

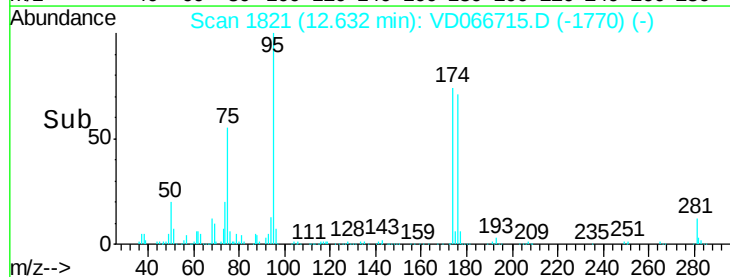
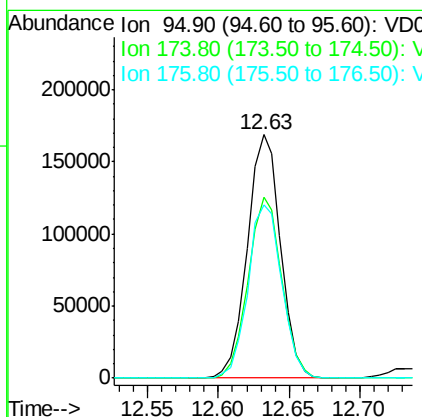
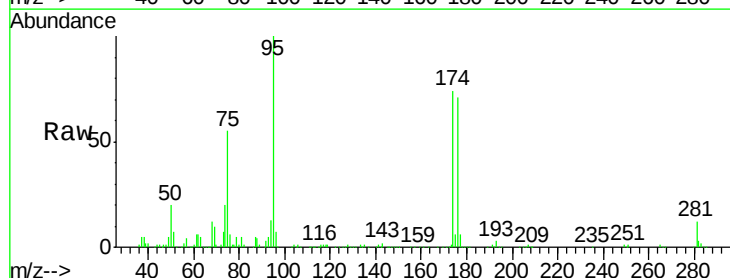
Manual Integrations
 APPROVED

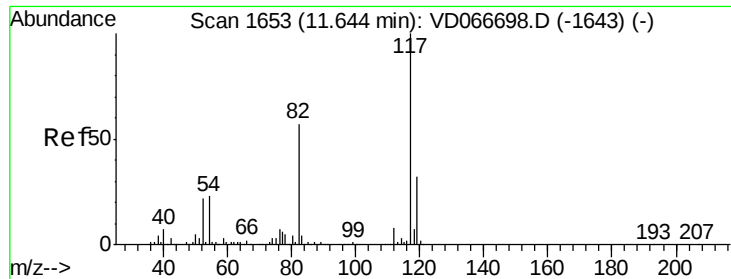
MMDadoda
 9/17/2020 1:05:03 PM



#62
 4-Bromofluorobenzene
 Concen: 53.471 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.4	0.0	156.6
176	72.9	0.0	150.2





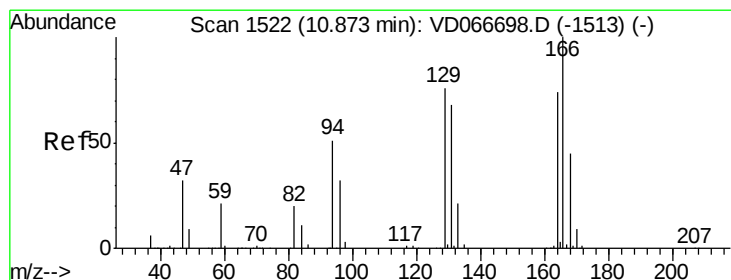
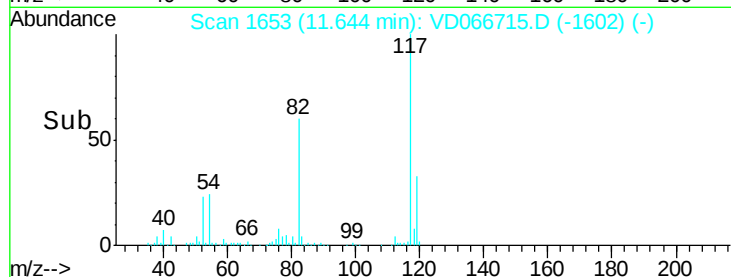
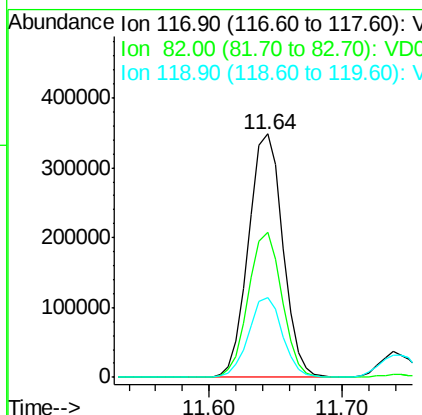
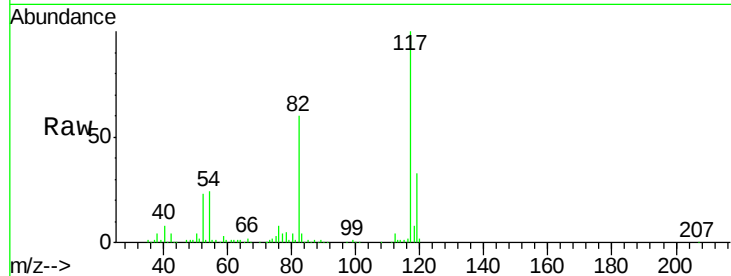
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	617722		
82	59.7		45.4	68.0
119	32.6		25.8	38.6

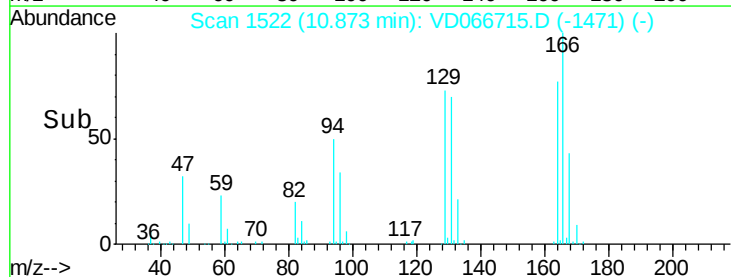
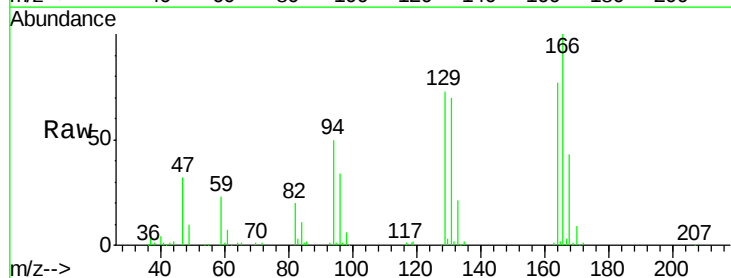
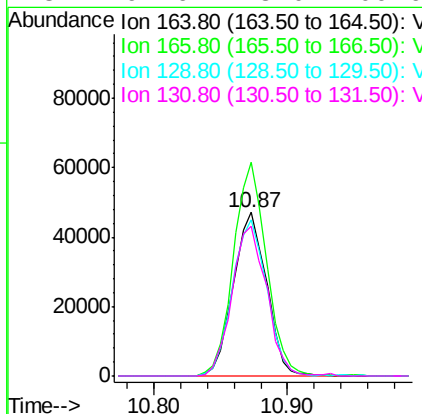
Manual Integrations
APPROVED

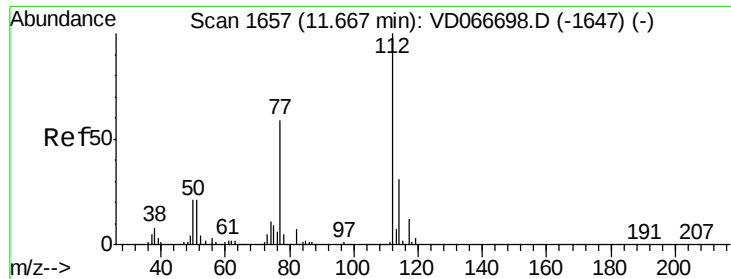
MMDadoda
9/17/2020 1:05:03 PM



#64
Tetrachloroethene
Concen: 19.382 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	81730		
166	130.4		107.5	161.3
129	95.0		81.4	122.0
131	91.6		73.0	109.6





#65

Chlorobenzene

Concen: 19.736 ug/l

RT: 11.67 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion:112 Resp: 252416

Ion Ratio Lower Upper

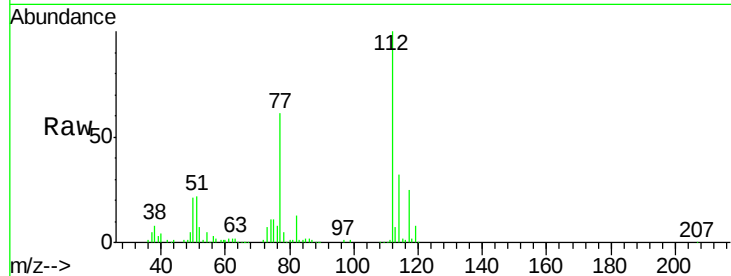
112 100

114 32.5 25.0 37.6

Manual Integrations
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.67

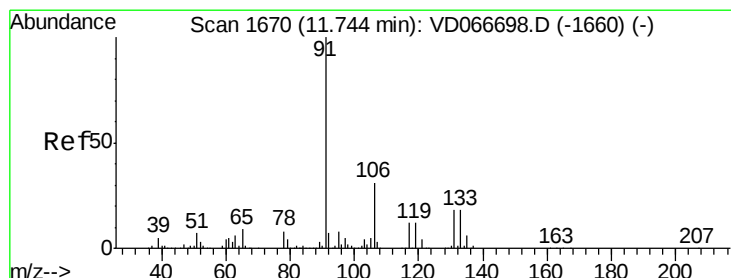
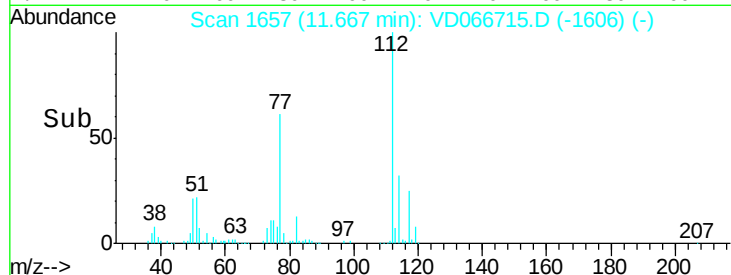
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 19.955 ug/l

RT: 11.74 min Scan# 1670

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

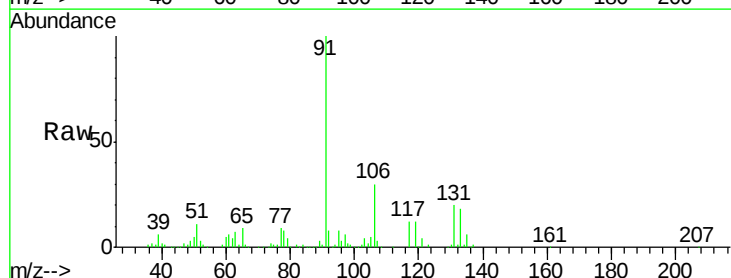
Tgt Ion:131 Resp: 94163

Ion Ratio Lower Upper

131 100

133 94.5 47.8 143.3

119 64.1 33.6 100.8



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

11.74

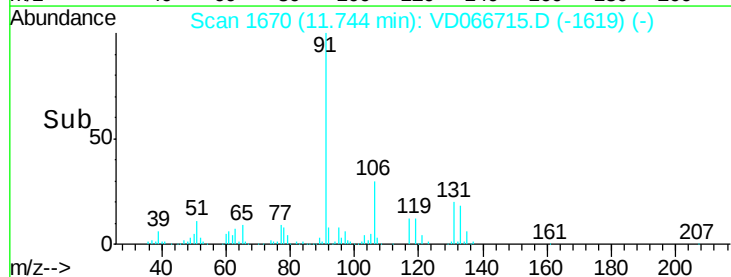
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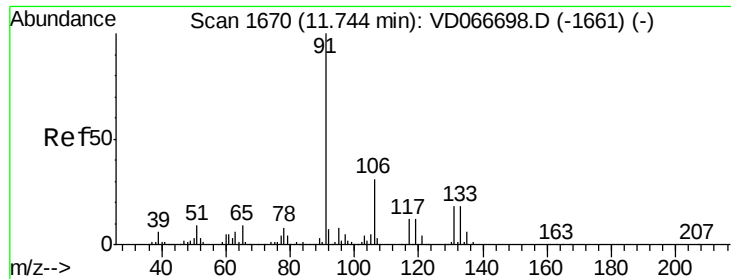
100000

50000

0

Time-->





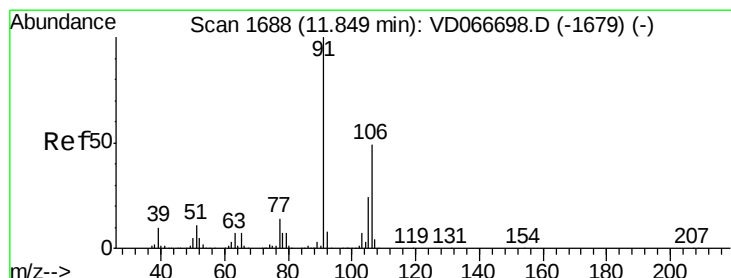
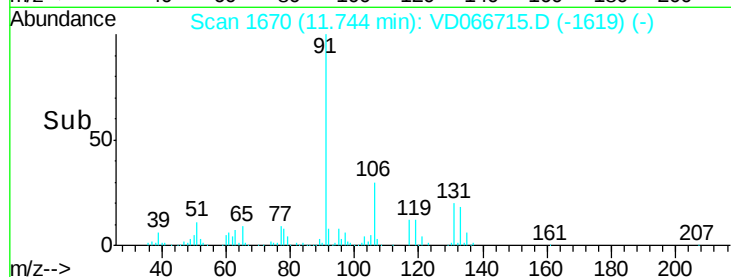
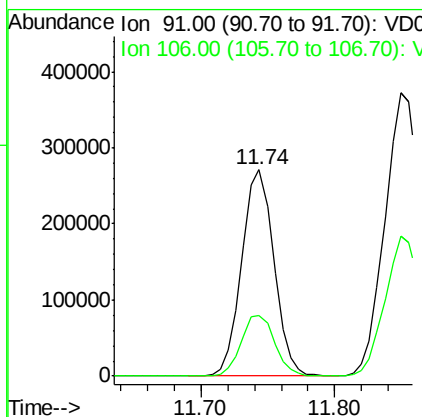
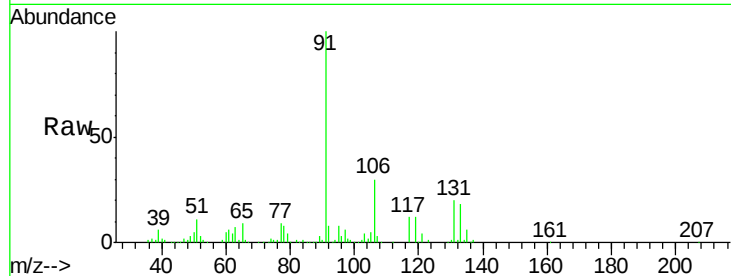
#67
Ethyl Benzene
Concen: 19.605 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 91 Resp: 454163
Ion Ratio Lower Upper
91 100
106 29.5 25.1 37.7

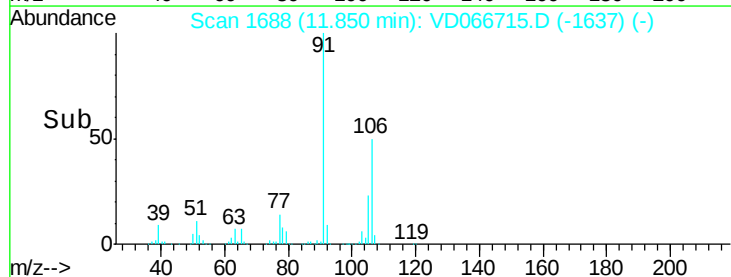
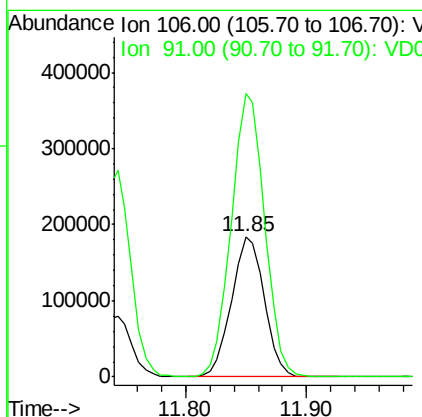
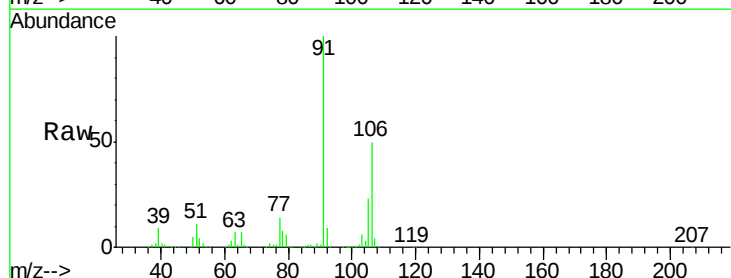
Manual Integrations
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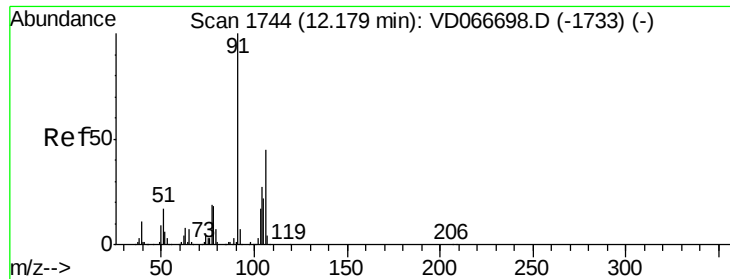
MMDadoda
9/17/2020 1:05:03 PM



#68
m/p-Xylenes
Concen: 39.736 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion: 106 Resp: 347912
Ion Ratio Lower Upper
106 100
91 205.9 164.8 247.2





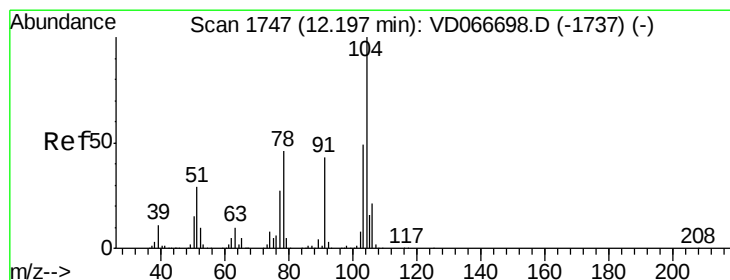
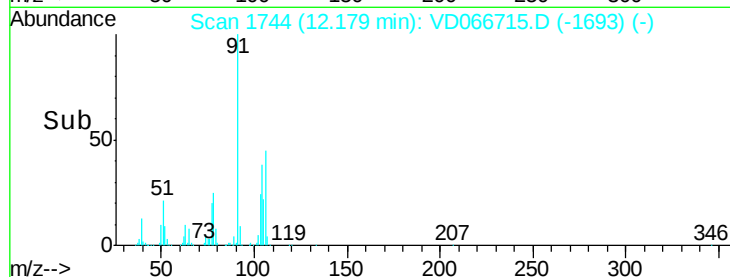
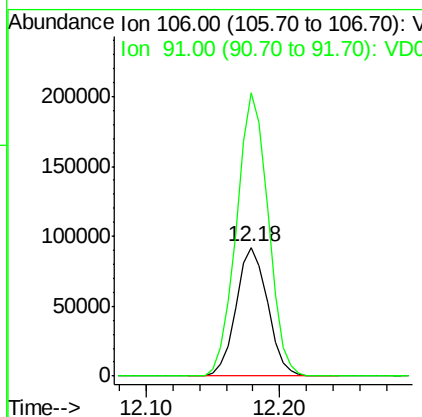
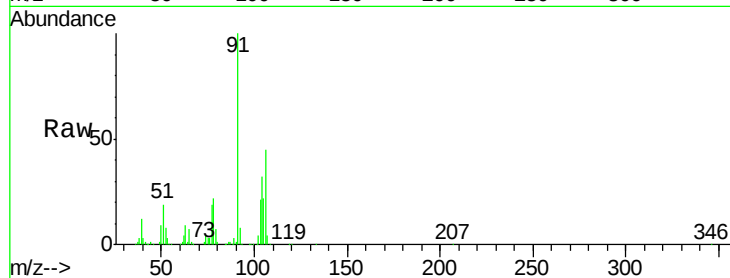
#69
o-Xylene
Concen: 19.404 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
106	100	150130		
91	221.5	109.4	328.2	

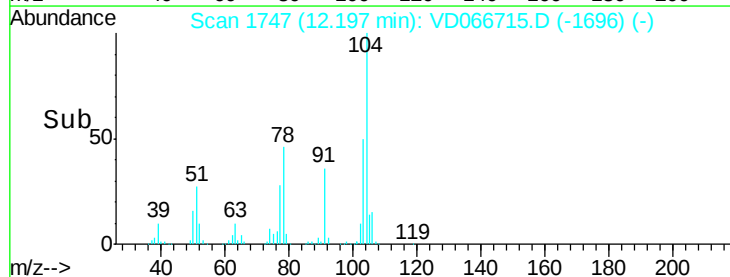
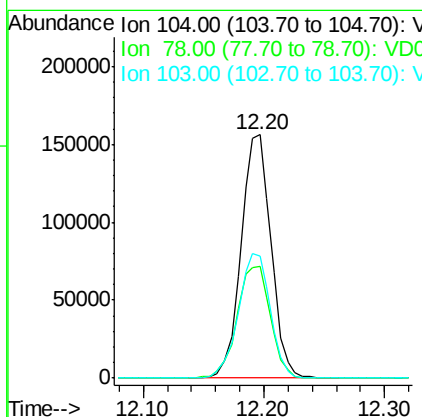
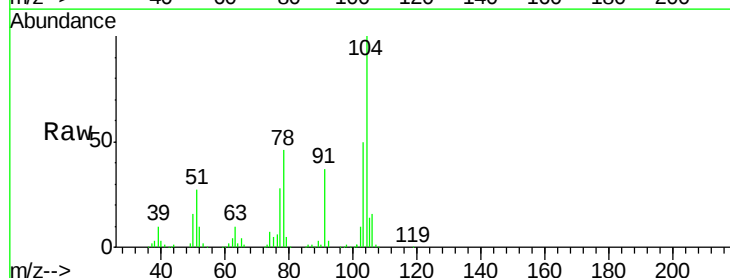
Manual Integrations
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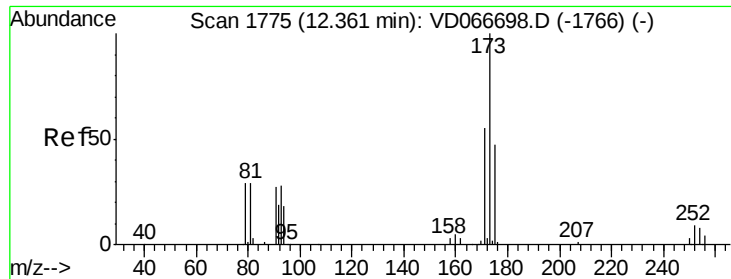
MMDadoda
9/17/2020 1:05:03 PM



#70
Styrene
Concen: 19.790 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	269503		
78	51.6	40.2	60.4	
103	54.6	42.5	63.7	





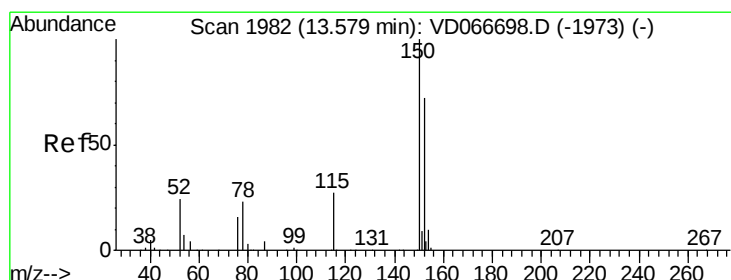
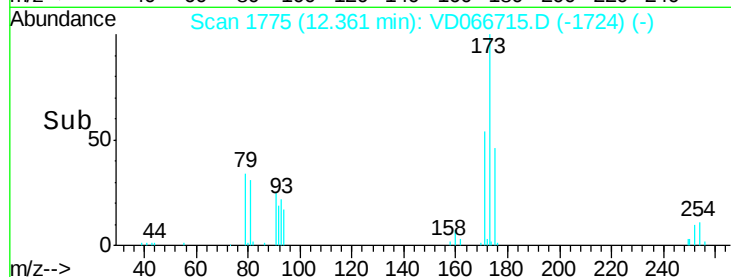
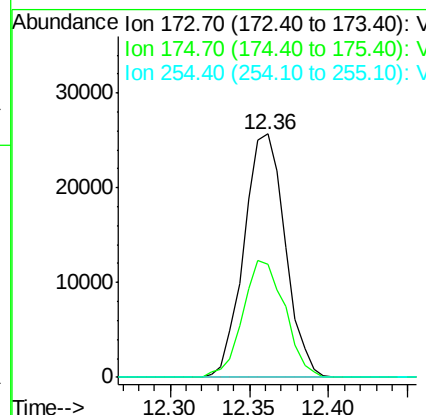
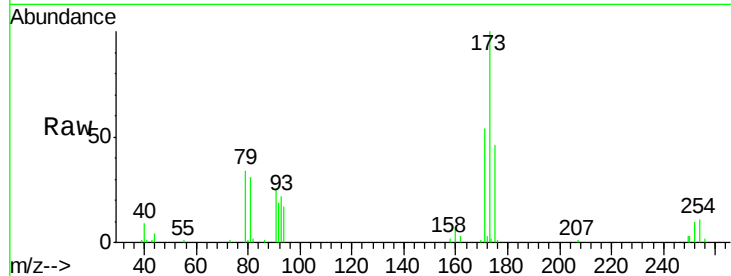
#71
Bromoform
Concen: 19.605 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.3	72.8
254	0.0	0.1	0.1#

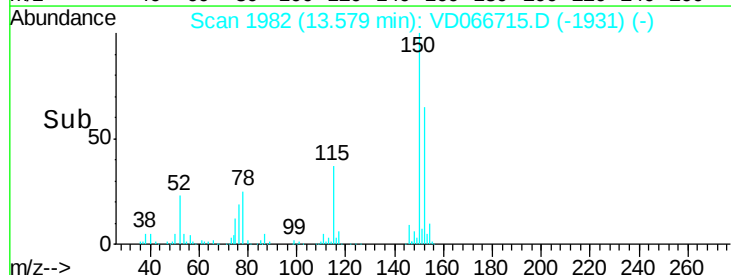
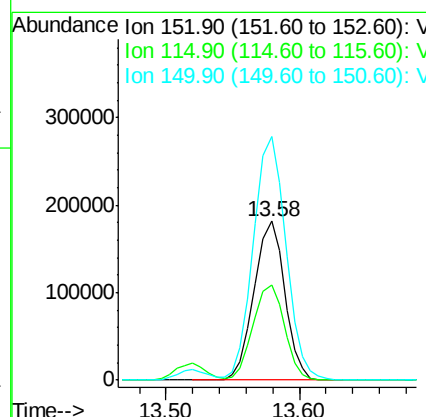
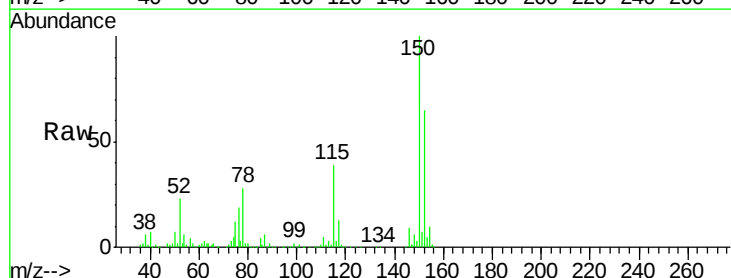
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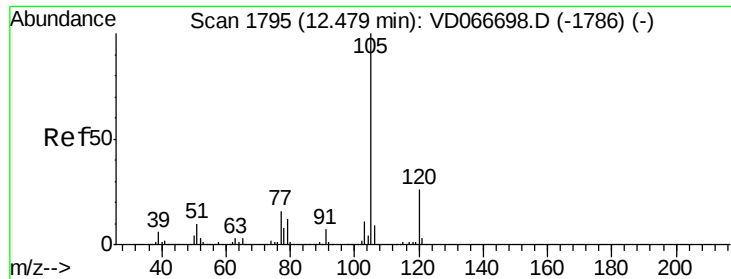
MMDadoda
9/17/2020 1:05:03 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	61.6	30.5	91.5
150	163.1	0.0	344.6





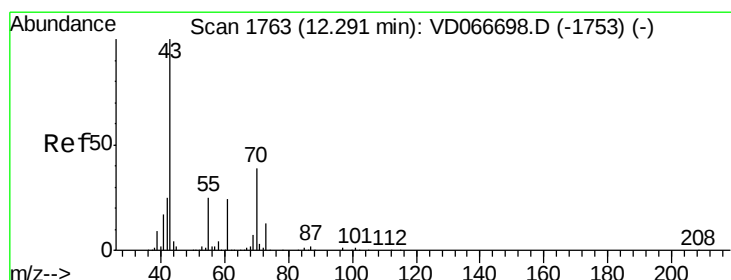
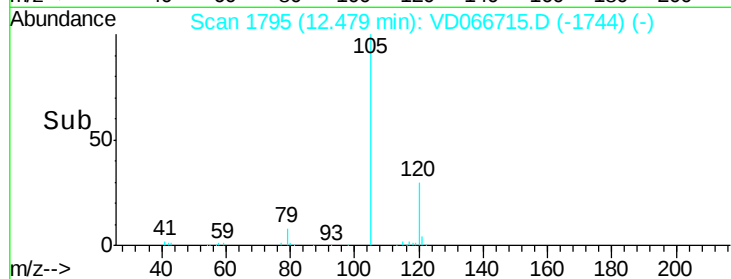
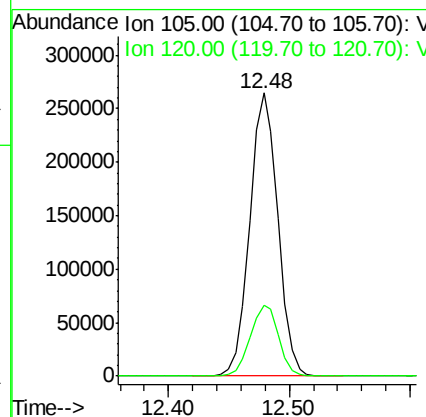
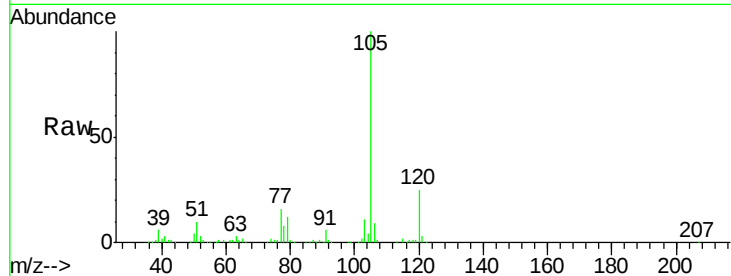
#73
Isopropylbenzene
Concen: 19.844 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.3	13.1	39.1

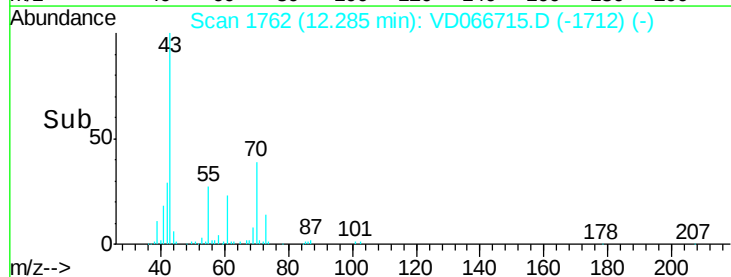
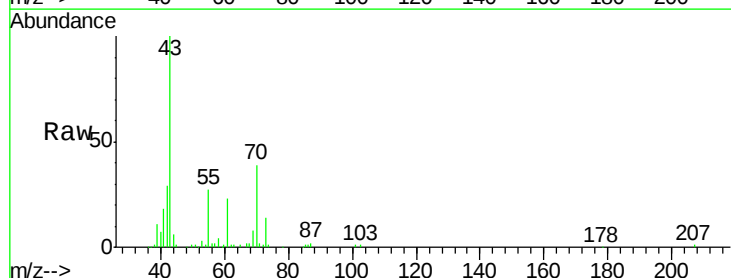
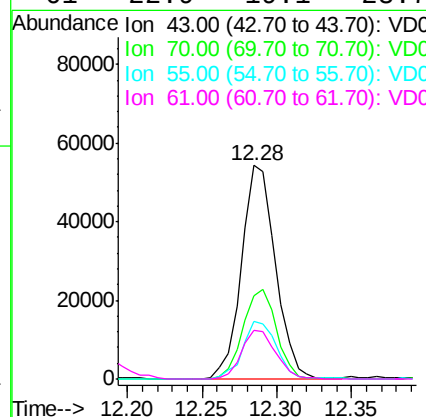
Manual Integrations
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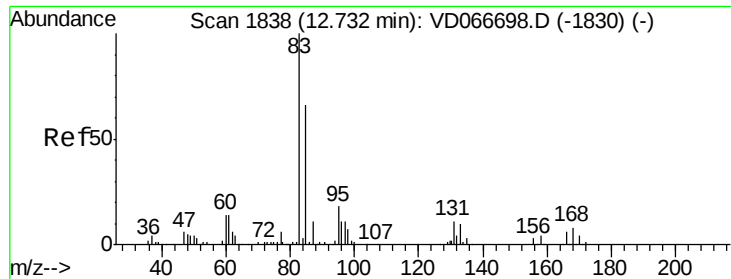
MMDadoda
9/17/2020 1:05:03 PM



#74
N-ethyl acetate
Concen: 18.885 ug/l
RT: 12.28 min Scan# 1762
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.3	33.0	49.4
55	27.2	20.6	30.8
61	22.9	19.1	28.7





#75

1,1,2,2-Tetrachloroethane

Concen: 19.435 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

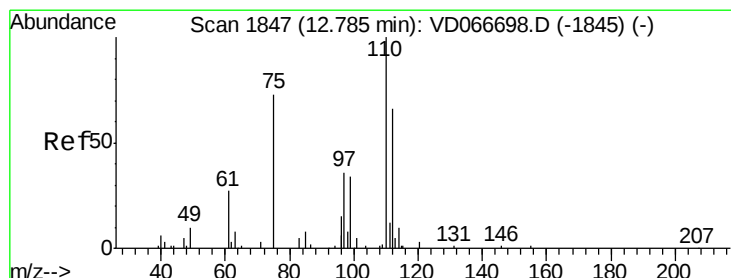
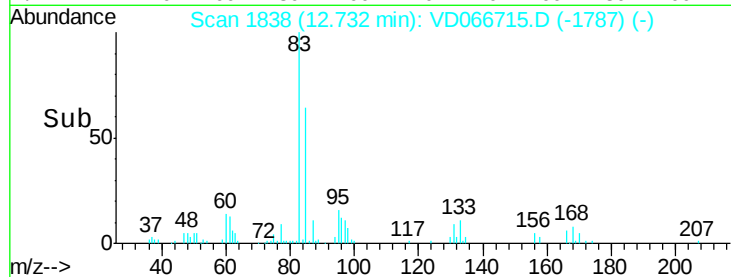
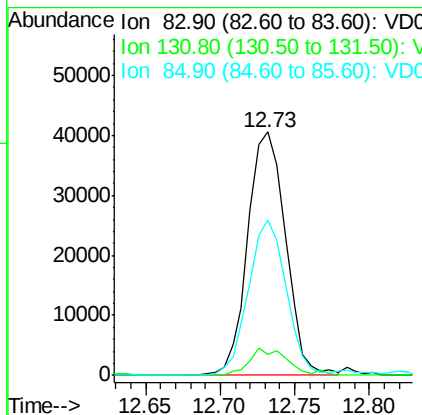
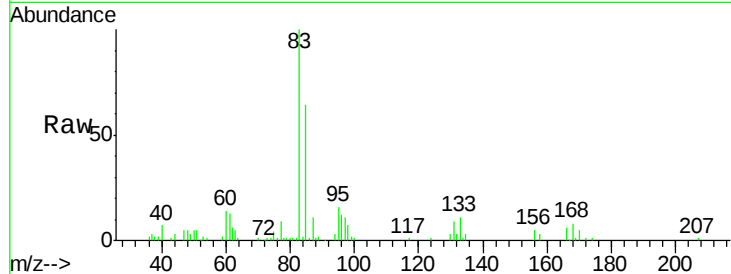
ClientSampleId :

VD0916SBS01

Tot Ion:	83	Resp:	71217
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.8	17.3
85	63.5	33.3	99.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.659 ug/l m

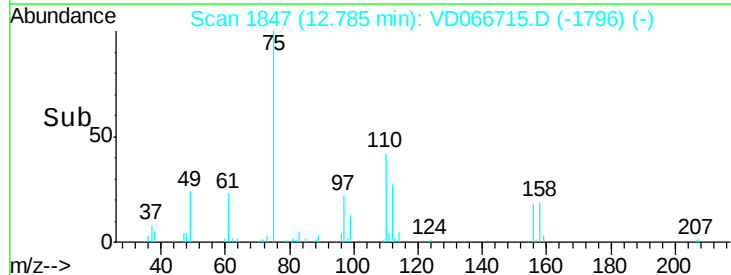
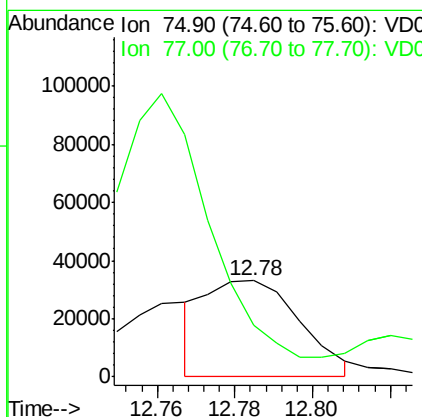
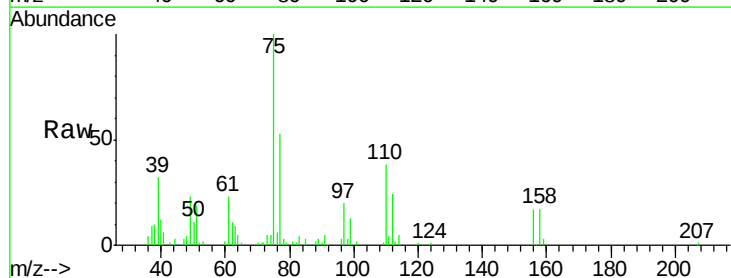
RT: 12.78 min Scan# 1847

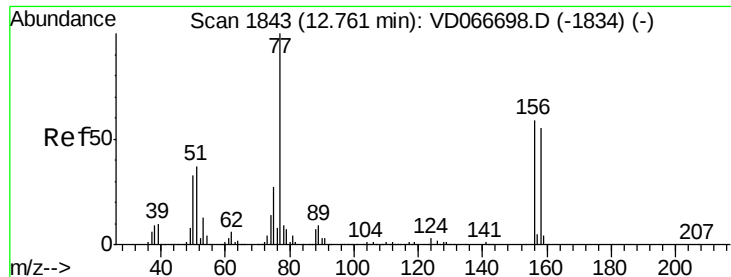
Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion:	75	Resp:	56025
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 18.652 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

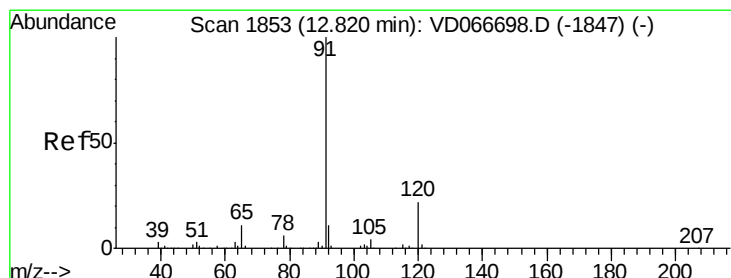
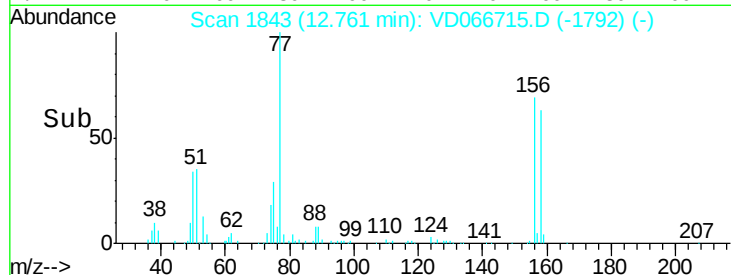
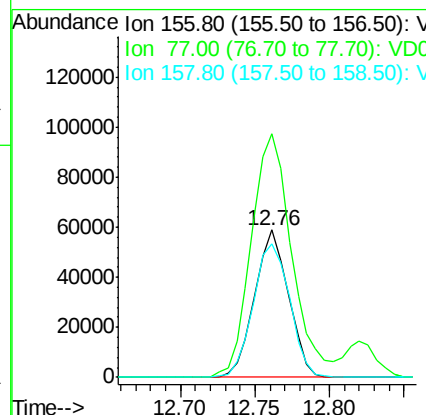
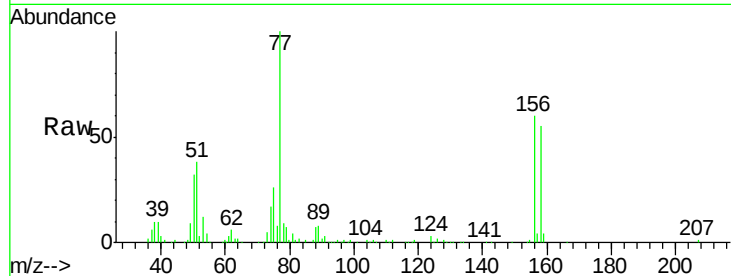
ClientSampleId :

VD0916SBS01

Tot Ion:156 Resp: 92706
 Ion Ratio Lower Upper
 156 100
 77 197.0 95.8 287.3
 158 97.1 48.4 145.0

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#78

n-propylbenzene

Concen: 19.839 ug/l

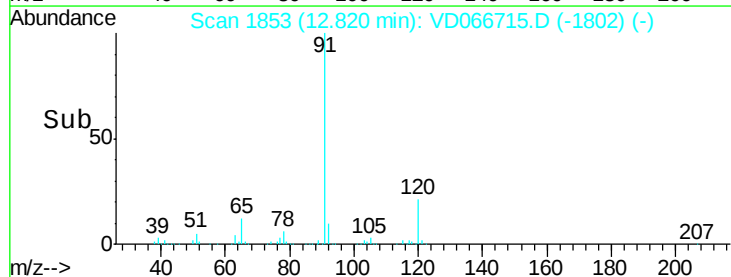
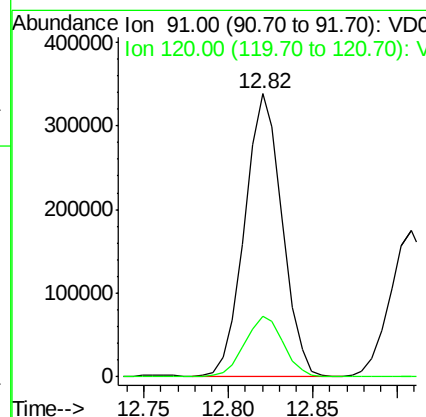
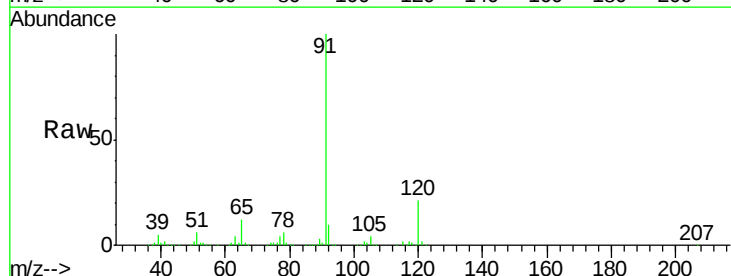
RT: 12.82 min Scan# 1853

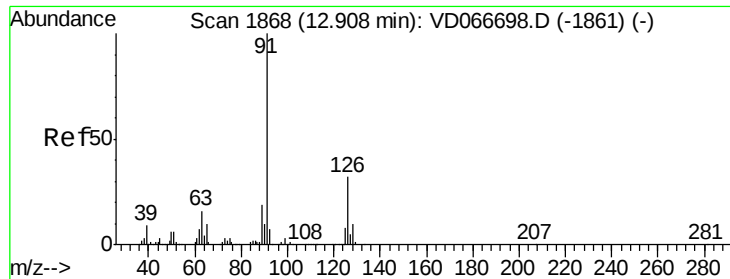
Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion: 91 Resp: 521517
 Ion Ratio Lower Upper
 91 100
 120 22.0 10.9 32.9





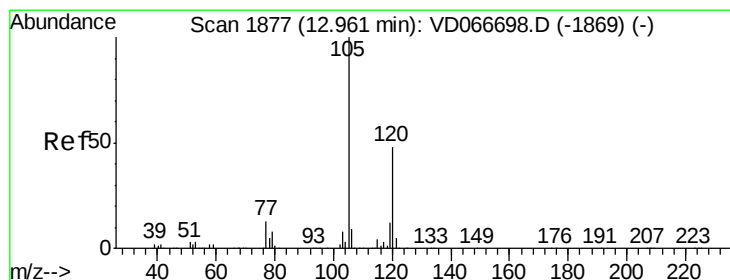
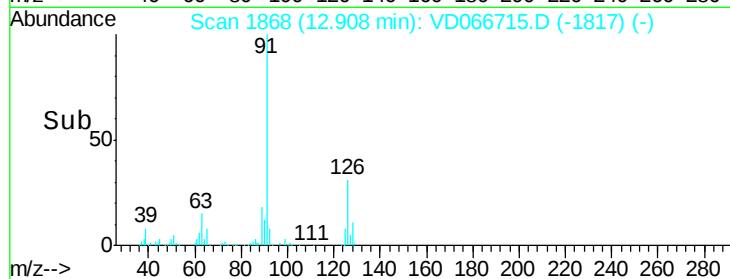
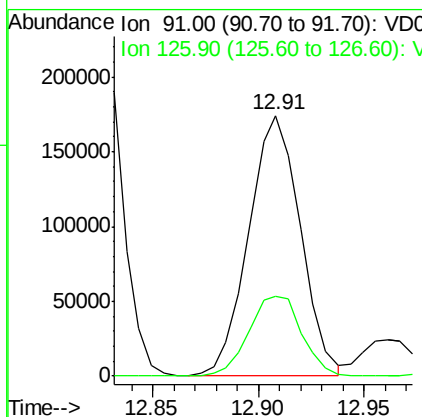
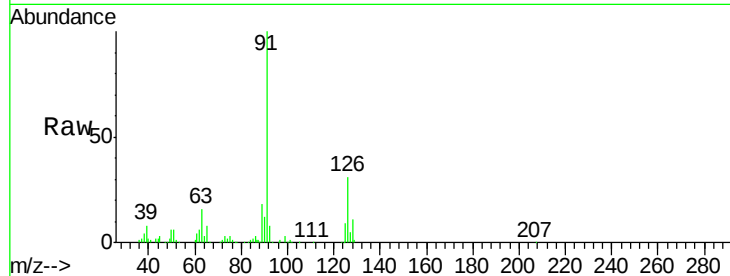
#79
2-Chlorotoluene
Concen: 19.840 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion: 91 Resp: 294900
Ion Ratio Lower Upper
91 100
126 31.7 16.2 48.6

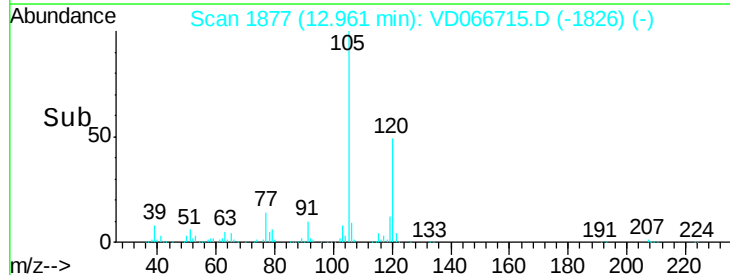
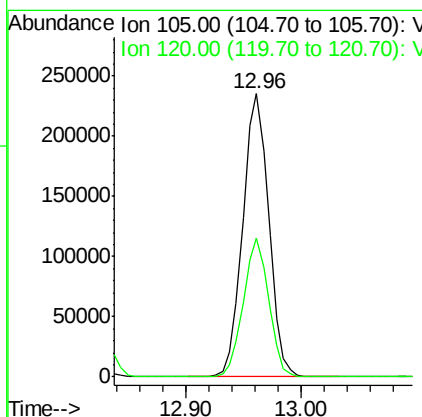
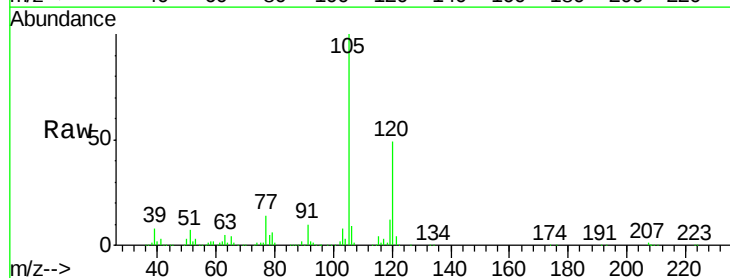
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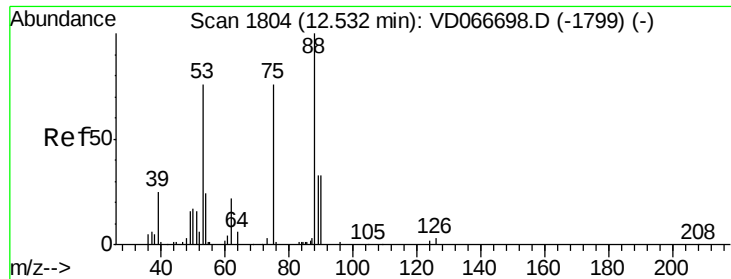
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#80
1,3,5-Trimethylbenzene
Concen: 20.162 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion:105 Resp: 367606
Ion Ratio Lower Upper
105 100
120 48.0 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 19.947 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

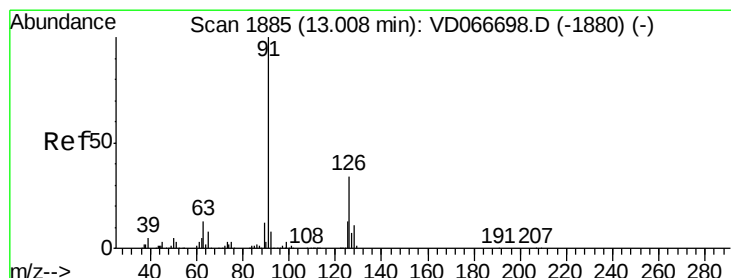
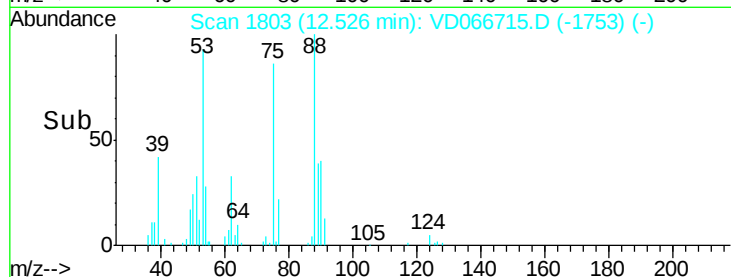
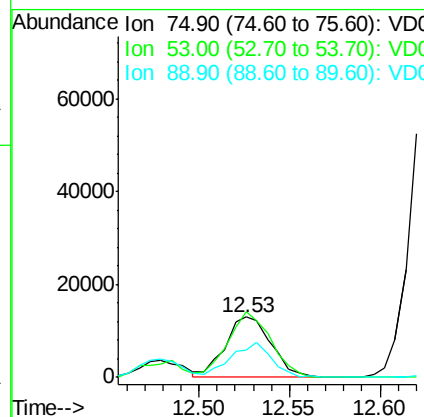
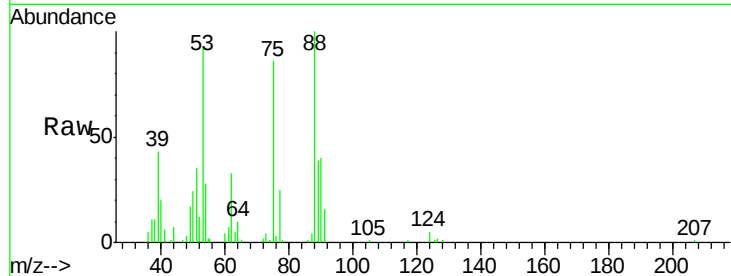
ClientSampleId :

VD0916SBS01

Tot Ion:	75	Resp:	22852
Ion	Ratio	Lower	Upper
75	100		
53	101.7	82.2	123.4
89	50.6	39.6	59.4

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#82

4-Chlorotoluene

Concen: 20.054 ug/l

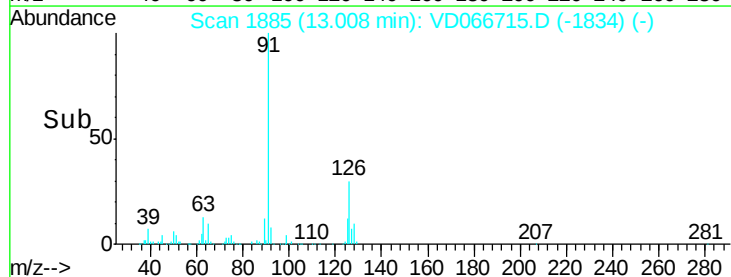
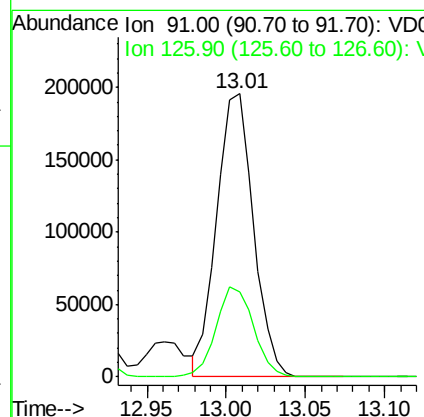
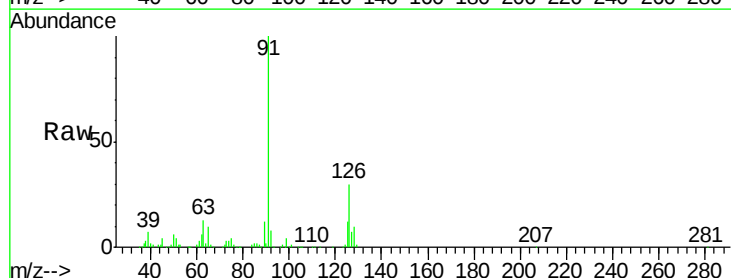
RT: 13.01 min Scan# 1885

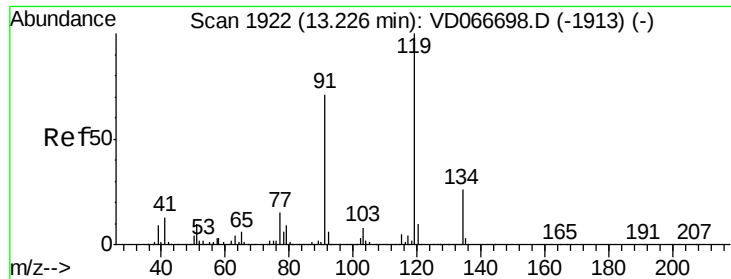
Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Tgt Ion:	91	Resp:	315178
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.8	50.4





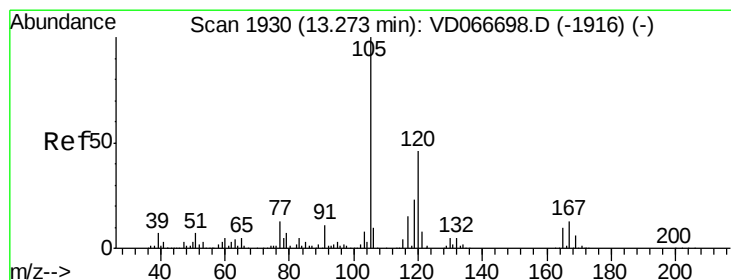
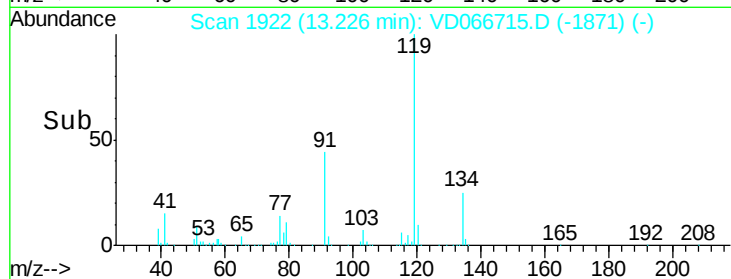
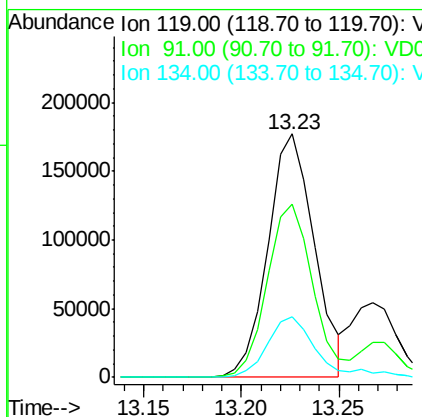
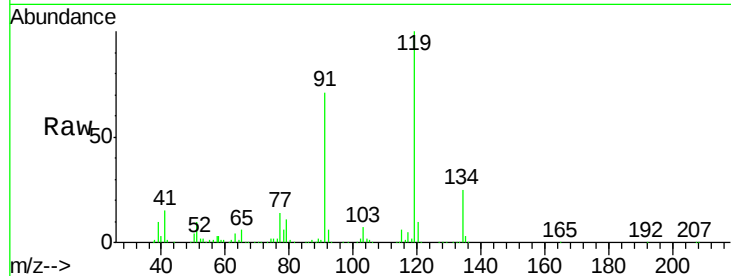
#83
tert-Butylbenzene
Concen: 19.403 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	291588		
91	70.7	35.0	105.1	
134	26.5	13.6	40.8	

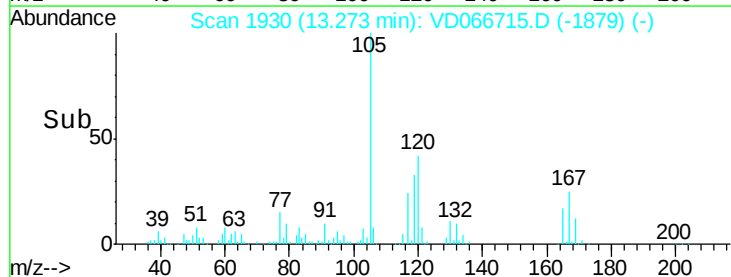
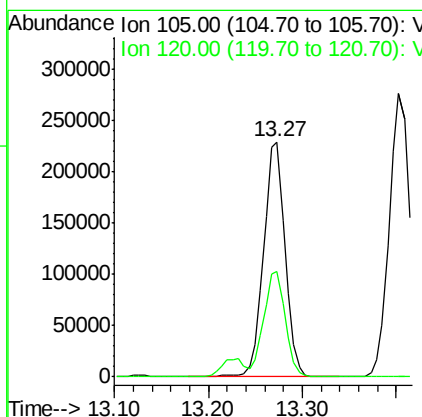
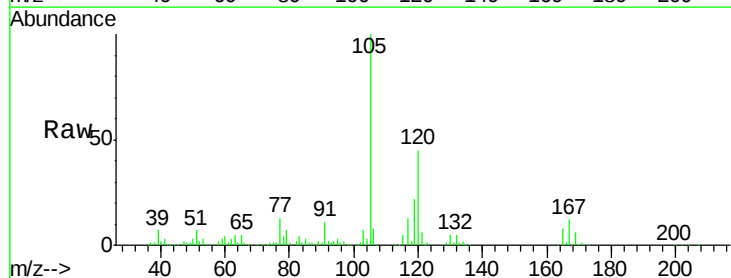
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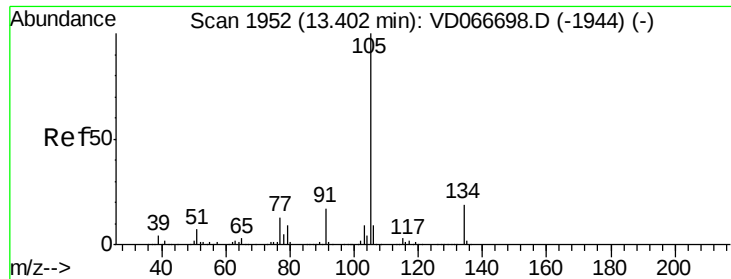
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#84
1,2,4-Trimethylbenzene
Concen: 19.874 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	362127		
120	44.9	22.4	67.2	





#85

sec-Butylbenzene

Concen: 19.929 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

Instrument :

MSVOA_D

ClientSampleId :

VD0916SBS01

Tot Ion:105 Resp: 429356

Ion Ratio Lower Upper

105 100

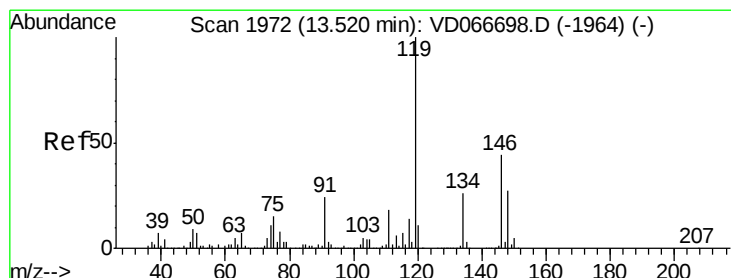
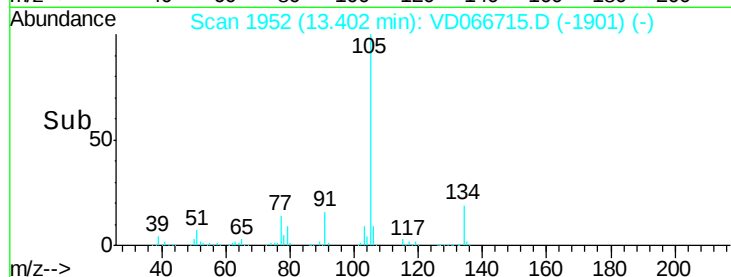
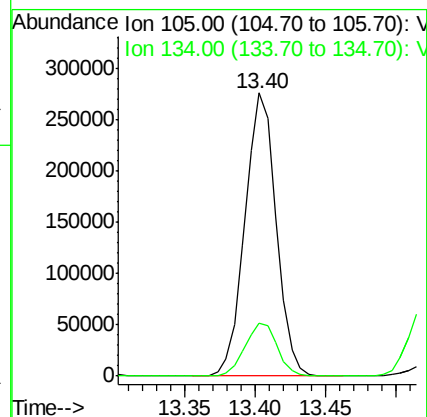
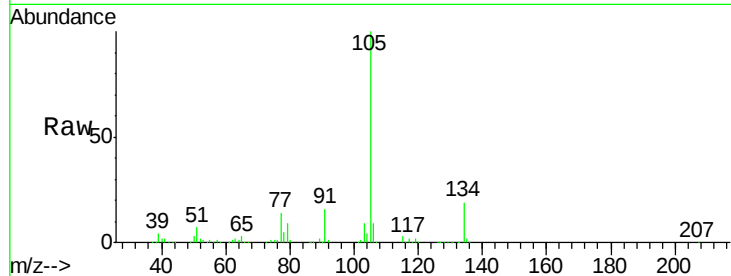
134 19.2 10.0 30.0

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#86

p-Isopropyltoluene

Concen: 19.754 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD066715.D

Acq: 16 Sep 2020 13:15

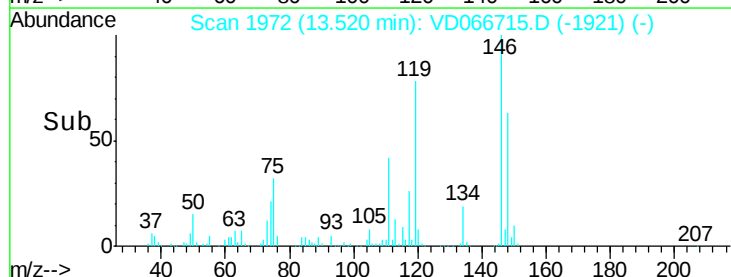
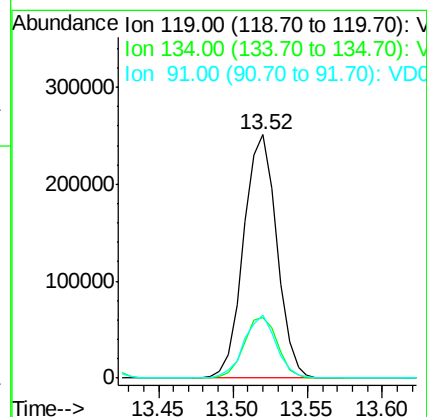
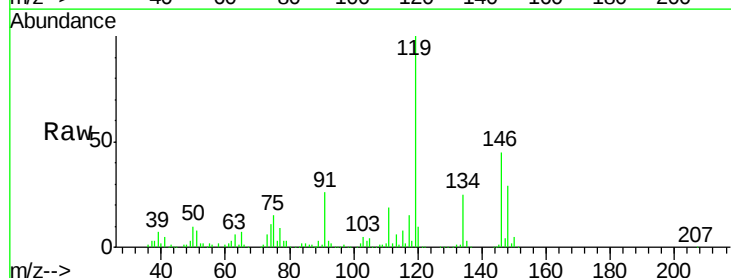
Tgt Ion:119 Resp: 386908

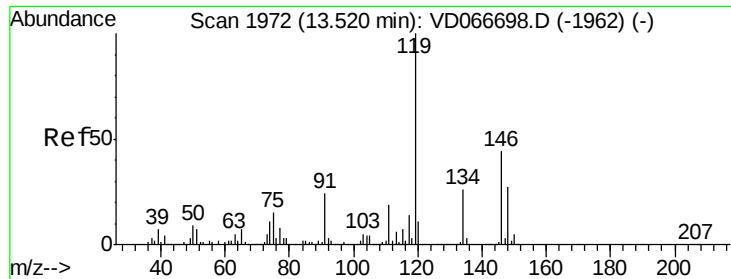
Ion Ratio Lower Upper

119 100

134 25.3 12.9 38.7

91 25.5 12.3 36.9





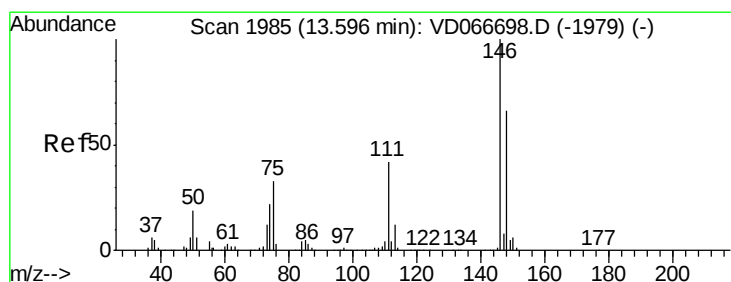
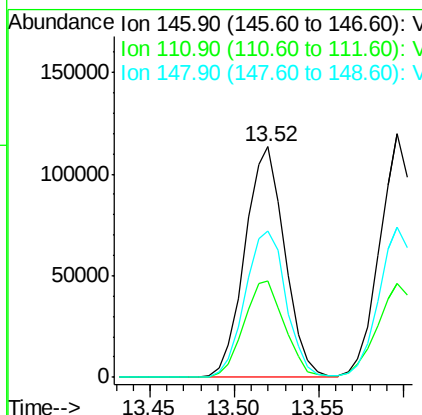
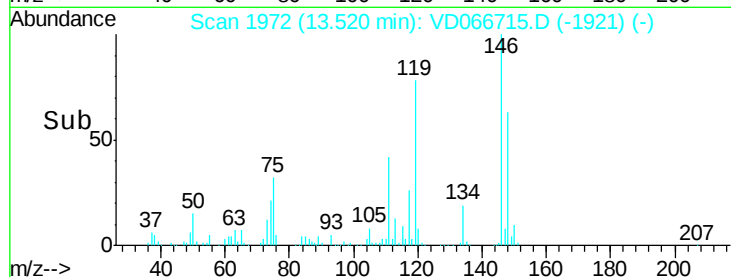
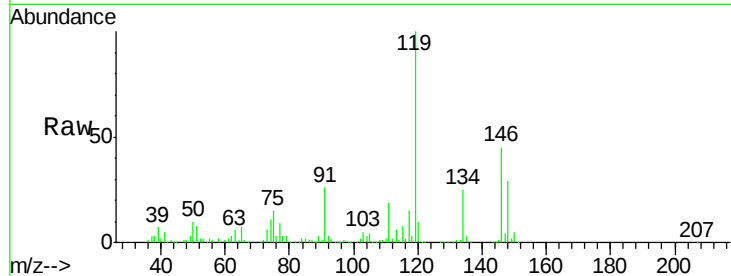
#87
 1,3-Dichlorobenzene
 Concen: 19.540 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	186319		
111	42.7	21.1	63.3	
148	65.0	31.4	94.2	

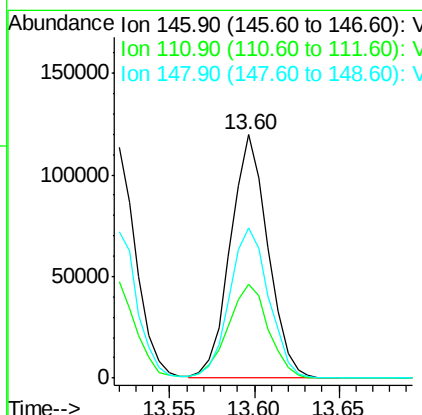
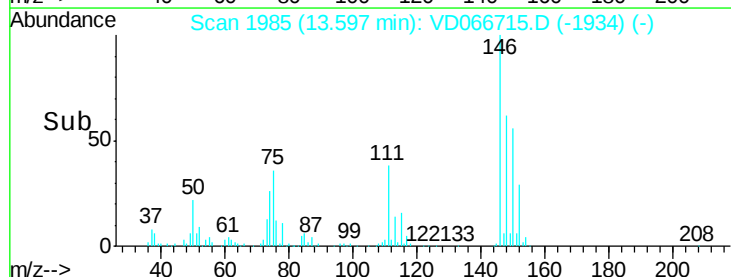
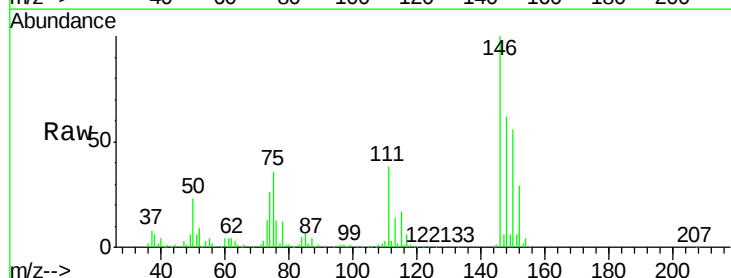
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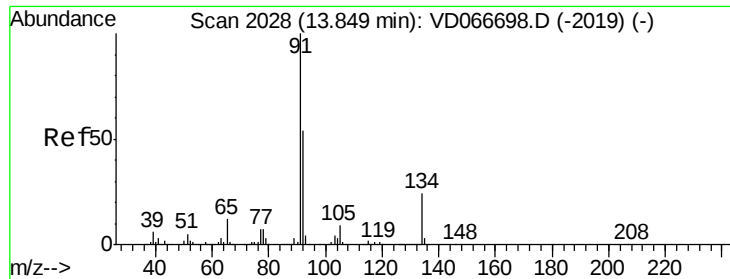
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#88
 1,4-Dichlorobenzene
 Concen: 19.514 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	185295		
111	41.7	20.5	61.6	
148	64.5	32.7	98.1	





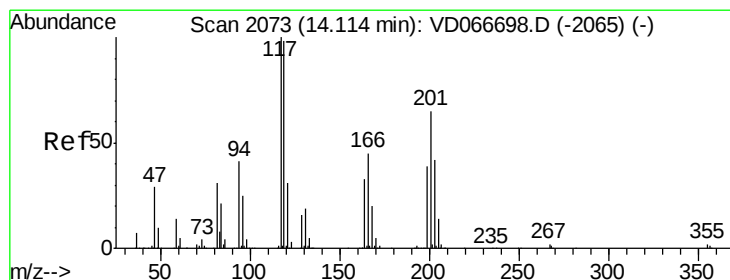
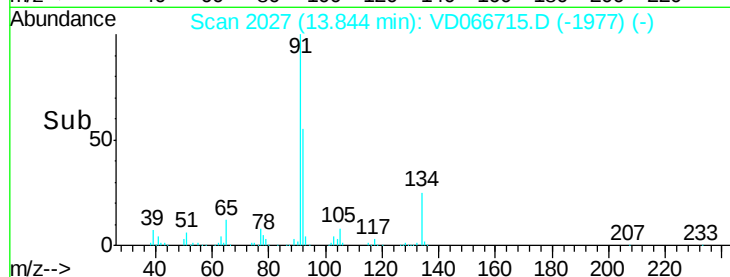
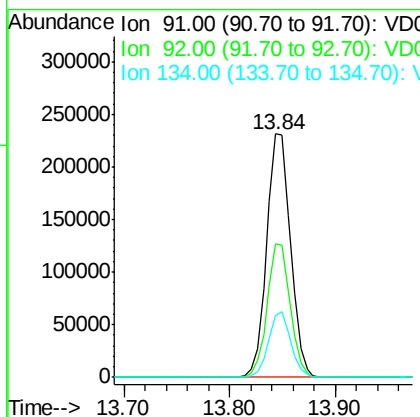
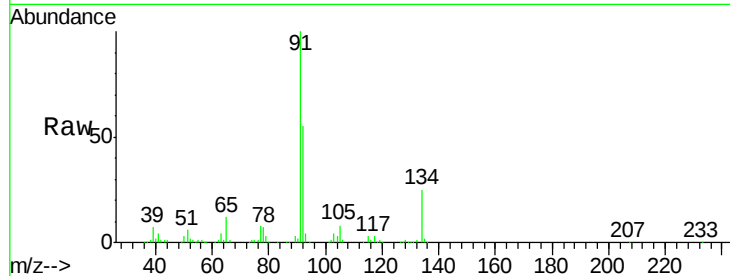
#89
n-Butylbenzene
Concen: 19.376 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	360870		
92	52.9	27.0	81.0	
134	25.1	12.4	37.0	

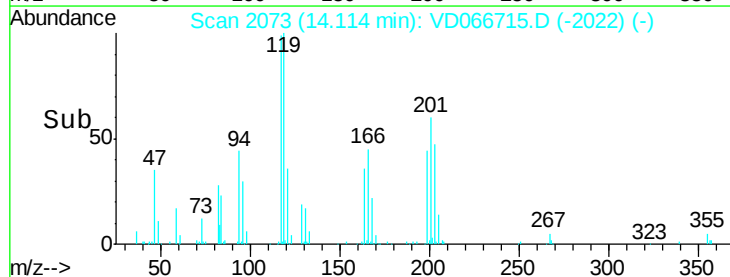
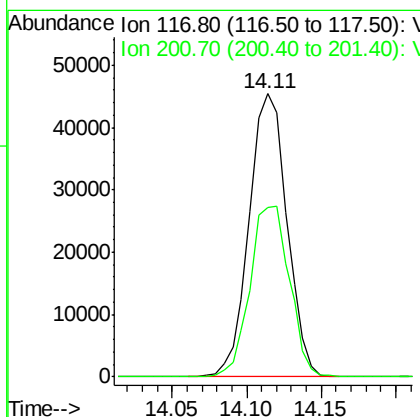
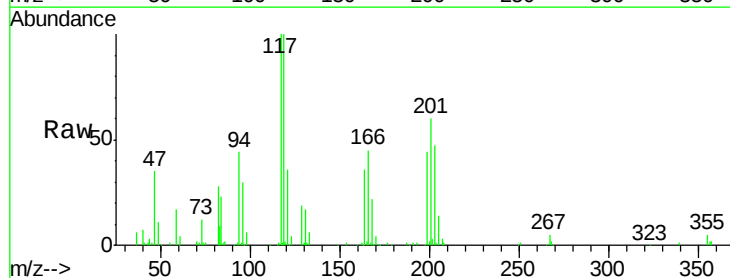
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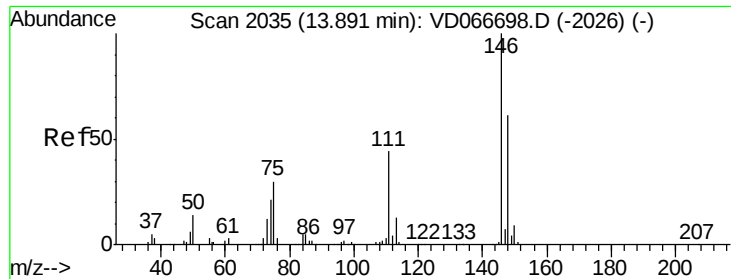
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#90
Hexachloroethane
Concen: 19.743 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	79440		
201	63.0	33.1	99.3	





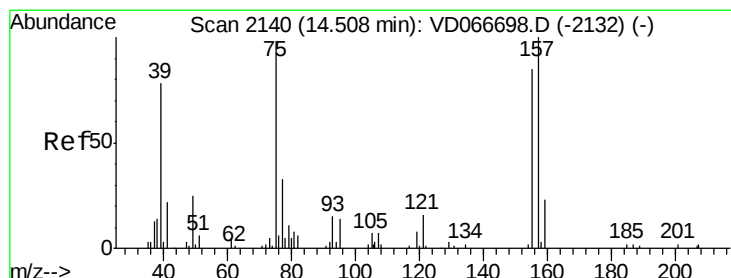
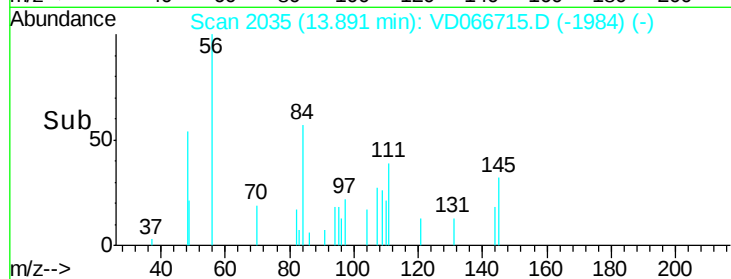
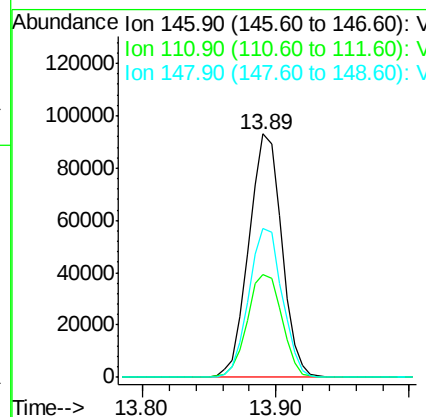
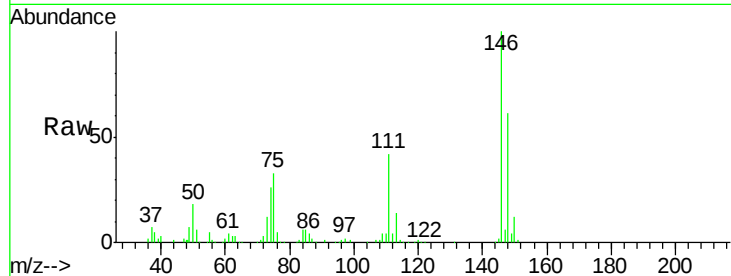
#91
 1,2-Dichlorobenzene
 Concen: 19.318 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.5	21.6	64.6
148	62.1	31.4	94.3

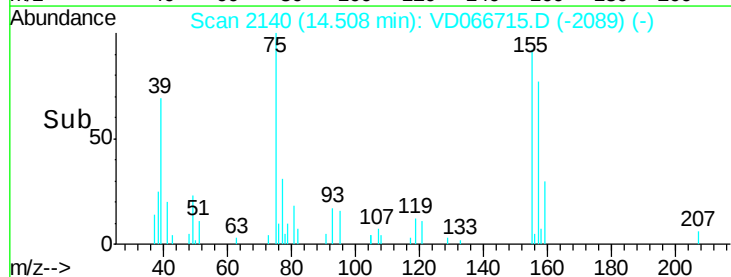
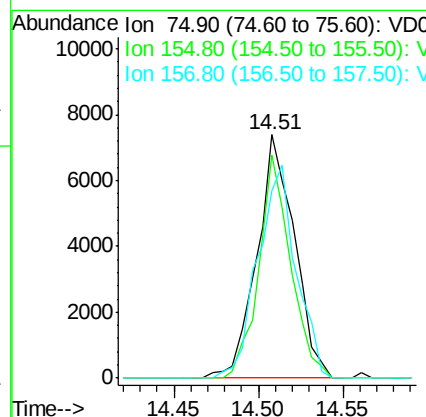
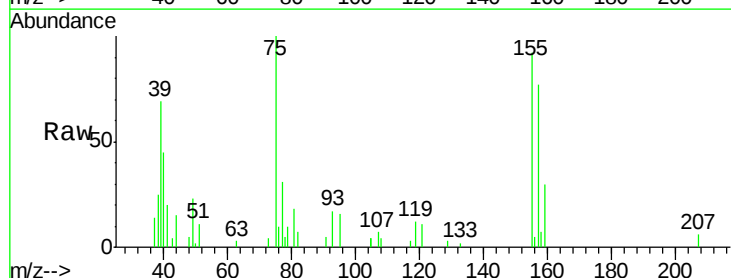
Manual Integrations
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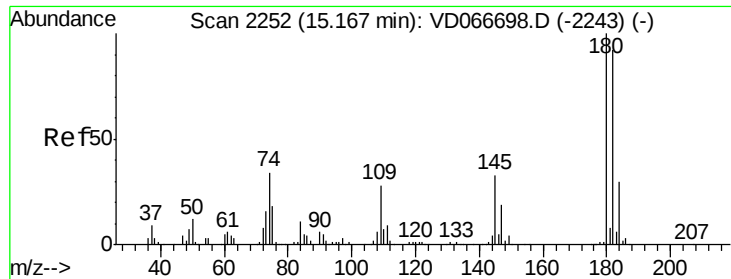
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.290 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	77.8	38.9	116.7
157	89.4	46.4	139.2





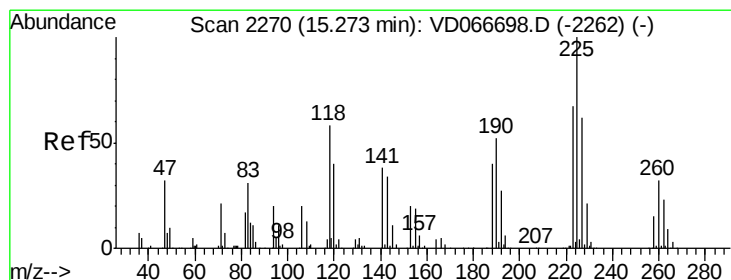
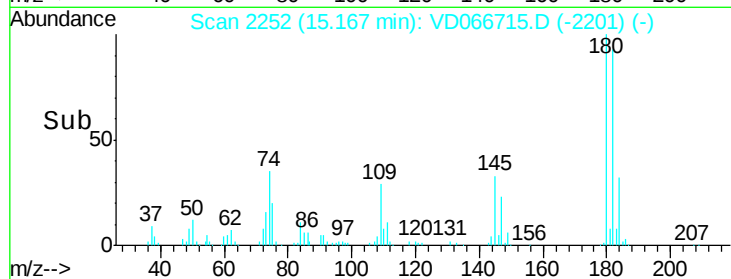
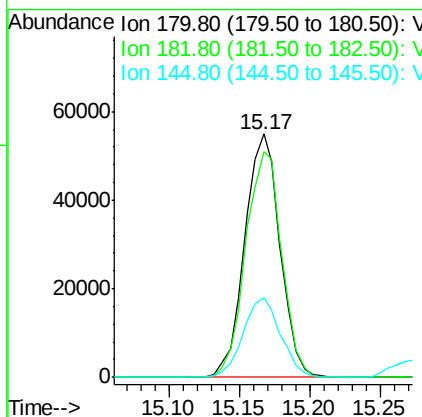
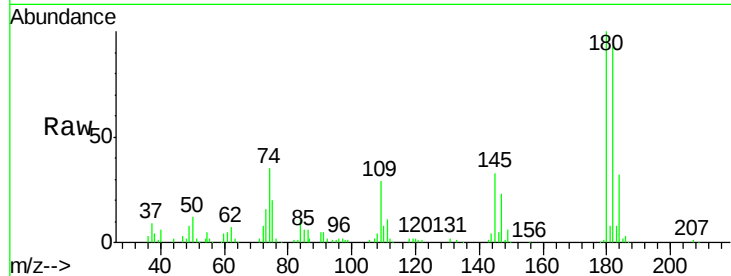
#93
 1,2,4-Trichlorobenzene
 Concen: 19.458 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0916SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	96157		
182	94.9	46.6	139.7	
145	34.6	16.5	49.5	

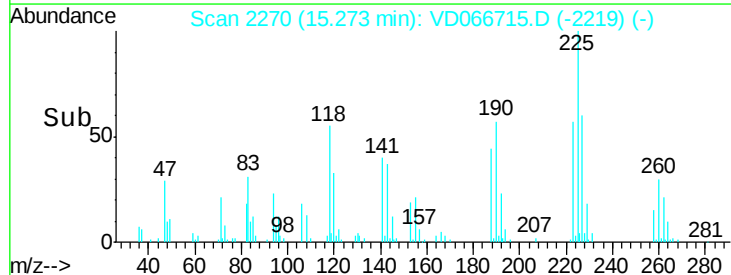
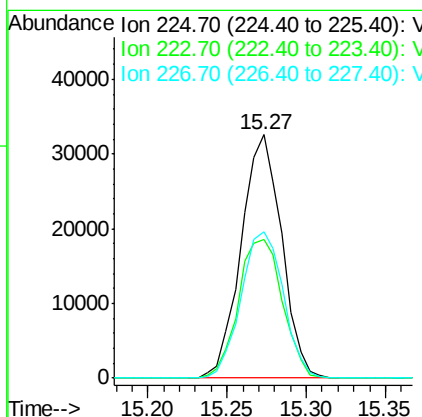
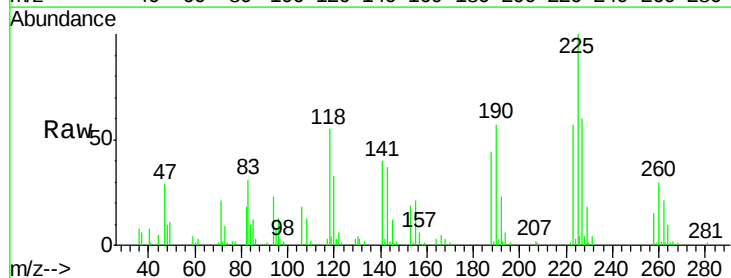
Manual Integrations
 APPROVED

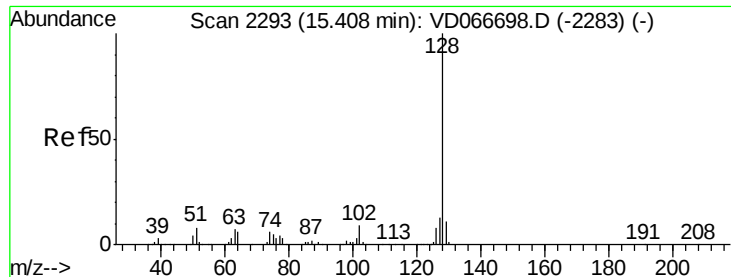
MMDadoda
 9/17/2020 1:05:03 PM



#94
 Hexachlorobutadiene
 Concen: 19.460 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD066715.D
 Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	57939		
223	61.9	31.9	95.9	
227	62.9	31.3	93.9	





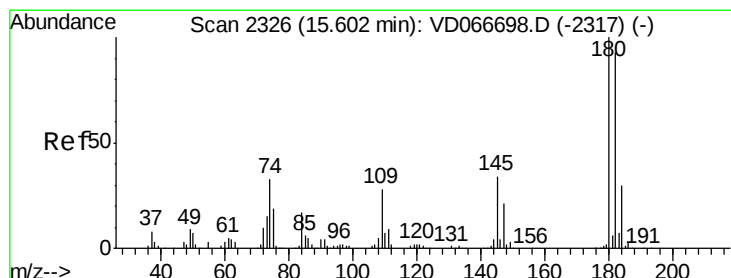
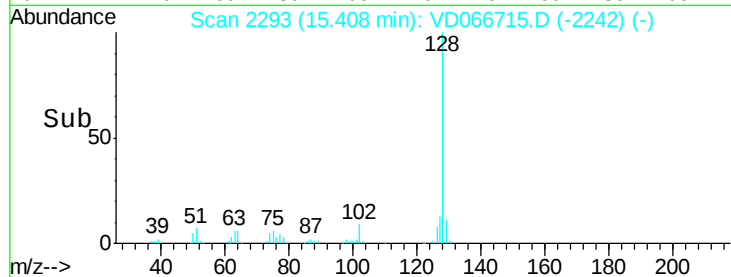
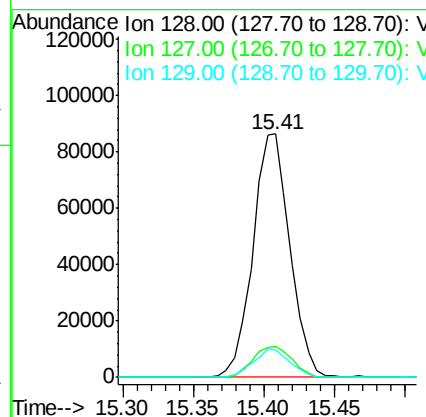
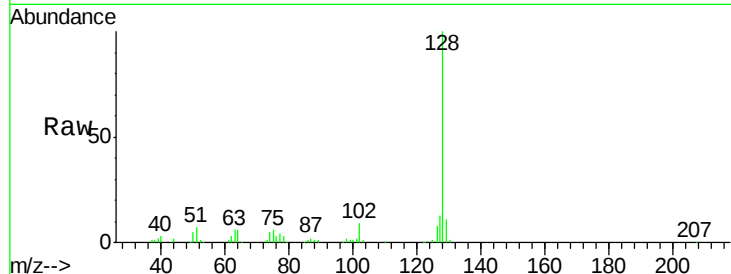
#95
Naphthalene
Concen: 18.345 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Instrument :
MSVOA_D
ClientSampleId :
VD0916SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.5	15.7
129	11.6	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
9/17/2020 1:05:03 PM



#96
1,2,3-Trichlorobenzene
Concen: 19.259 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD066715.D
Acq: 16 Sep 2020 13:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	46.6	139.8
145	34.0	17.1	51.3

