

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067034.D
 Acq On : 02 Oct 2020 14:37
 Operator : VA/SY
 Sample : L4213-02MS
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:28 PM

Quant Time: Oct 03 05:07:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	268372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	427730	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	387722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	172291	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	168926	65.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	130.70%	
35) Dibromofluoromethane	7.91	113	165639	59.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	118.30%	
50) Toluene-d8	10.34	98	567047	55.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.14%	
62) 4-Bromofluorobenzene	12.63	95	182076	52.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.98	85	115984	54.090	ug/l	93
3) Chloromethane	2.21	50	103748	48.542	ug/l	98
4) Vinyl Chloride	2.35	62	99562	46.458	ug/l	100
5) Bromomethane	2.77	94	79301	58.111	ug/l	98
6) Chloroethane	2.93	64	64040	49.069	ug/l	95
7) Trichlorofluoromethane	3.28	101	229625	48.228	ug/l	98
8) Diethyl Ether	3.71	74	74444	63.051	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	129483	48.114	ug/l	100
10) Methyl Iodide	4.30	142	132044	50.497	ug/l	99
11) Tert butyl alcohol	5.21	59	43693	297.681	ug/l	100
12) 1,1-Dichloroethene	4.07	96	119896	47.392	ug/l	97
13) Acrolein	3.93	56	49605	286.589	ug/l	100
14) Allyl chloride	4.71	41	169356	51.530	ug/l	99
15) Acrylonitrile	5.43	53	154715	356.036	ug/l	97
16) Acetone	4.16	43	149632	379.205	ug/l	98
17) Carbon Disulfide	4.41	76	339795	43.765	ug/l	100
18) Methyl Acetate	4.72	43	86030	86.746	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	314230	68.040	ug/l	95
20) Methylene Chloride	4.97	84	171237	63.052	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	140622	48.842	ug/l	96
22) Diisopropyl ether	6.37	45	375350	62.558	ug/l	93
23) Vinyl Acetate	6.31	43	999161	293.871	ug/l	98
24) 1,1-Dichloroethane	6.27	63	252398	54.508	ug/l	97
25) 2-Butanone	7.21	43	190420	340.374	ug/l	99
26) 2,2-Dichloropropane	7.21	77	210438	53.430	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	166501	54.149	ug/l	98
28) Bromochloromethane	7.54	49	115065	64.345	ug/l	97
29) Tetrahydrofuran	7.56	42	116276	361.471	ug/l	96
30) Chloroform	7.71	83	281284	55.998	ug/l	98
31) Cyclohexane	7.98	56	164620	42.405	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	238299	51.189	ug/l	97
36) 1,1-Dichloropropene	8.11	75	181039	45.408	ug/l	98
37) Ethyl Acetate	7.29	43	90736	65.695	ug/l	98
38) Carbon Tetrachloride	8.10	117	213275	49.440	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	160288	38.027	ug/l	95
40) Benzene	8.35	78	579647	52.344	ug/l	99
41) Methacrylonitrile	7.53	41	45391m	60.832	ug/l	
42) 1,2-Dichloroethane	8.43	62	188132	60.798	ug/l	100
43) Isopropyl Acetate	8.45	43	171232	67.297	ug/l	100
44) Trichloroethene	9.11	130	158118	47.817	ug/l	98
45) 1,2-Dichloropropane	9.38	63	150814	57.962	ug/l	97
46) Dibromomethane	9.47	93	93294	62.385	ug/l	98
47) Bromodichloromethane	9.66	83	229141	58.945	ug/l	99
48) Methyl methacrylate	9.46	41	88548	67.929	ug/l	90
49) 1,4-Dioxane	9.46	88	21837	1399.098	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	455739	359.593	ug/l	100
52) Toluene	10.40	92	374115	52.445	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	205249	59.077	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	243918	57.494	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	131928	63.453	ug/l	99
56) Ethyl methacrylate	10.66	69	149978	69.868	ug/l	99
57) 1,3-Dichloropropane	10.94	76	216291	64.151	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	434199	363.419	ug/l	99
59) 2-Hexanone	10.98	43	308373	364.551	ug/l	98
60) Dibromochloromethane	11.14	129	170117	61.388	ug/l	94
61) 1,2-Dibromoethane	11.24	107	130704	65.434	ug/l	99
64) Tetrachloroethene	10.87	164	137129	48.649	ug/l	91
65) Chlorobenzene	11.67	112	387313	50.227	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	168200	57.342	ug/l	99
67) Ethyl Benzene	11.74	91	653424	49.455	ug/l	98
68) m/p-Xylenes	11.86	106	518641	100.724	ug/l	99
69) o-Xylene	12.18	106	242493	52.663	ug/l	97
70) Styrene	12.20	104	414756	52.456	ug/l	99
71) Bromoform	12.36	173	97186	63.828	ug/l #	97
73) Isopropylbenzene	12.48	105	602688	51.517	ug/l	99
74) N-amyl acetate	12.29	43	141422	67.246	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	139456	70.751	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	108634m	72.388	ug/l	
77) Bromobenzene	12.77	156	163514	57.885	ug/l	99
78) n-propylbenzene	12.82	91	659398	47.693	ug/l	99
79) 2-Chlorotoluene	12.91	91	412319	52.123	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	511229	51.722	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	41015	68.138	ug/l	96
82) 4-Chlorotoluene	13.01	91	411924	48.943	ug/l	99
83) tert-Butylbenzene	13.23	119	419638	50.417	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	517419	52.455	ug/l	99
85) sec-Butylbenzene	13.41	105	510172	43.525	ug/l	99
86) p-Isopropyltoluene	13.52	119	467545	43.024	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	261140	47.460	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	264025	47.990	ug/l	99
89) n-Butylbenzene	13.85	91	351460	35.388	ug/l	99
90) Hexachloroethane	14.11	117	90963	47.786	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	247849	51.578	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21417	67.405	ug/l	97

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Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	120539	38.780	ug/l	94
94) Hexachlorobutadiene	15.28	225	46569	24.396	ug/l	98
95) Naphthalene	15.41	128	278274	53.675	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	110357	40.900	ug/l	99

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

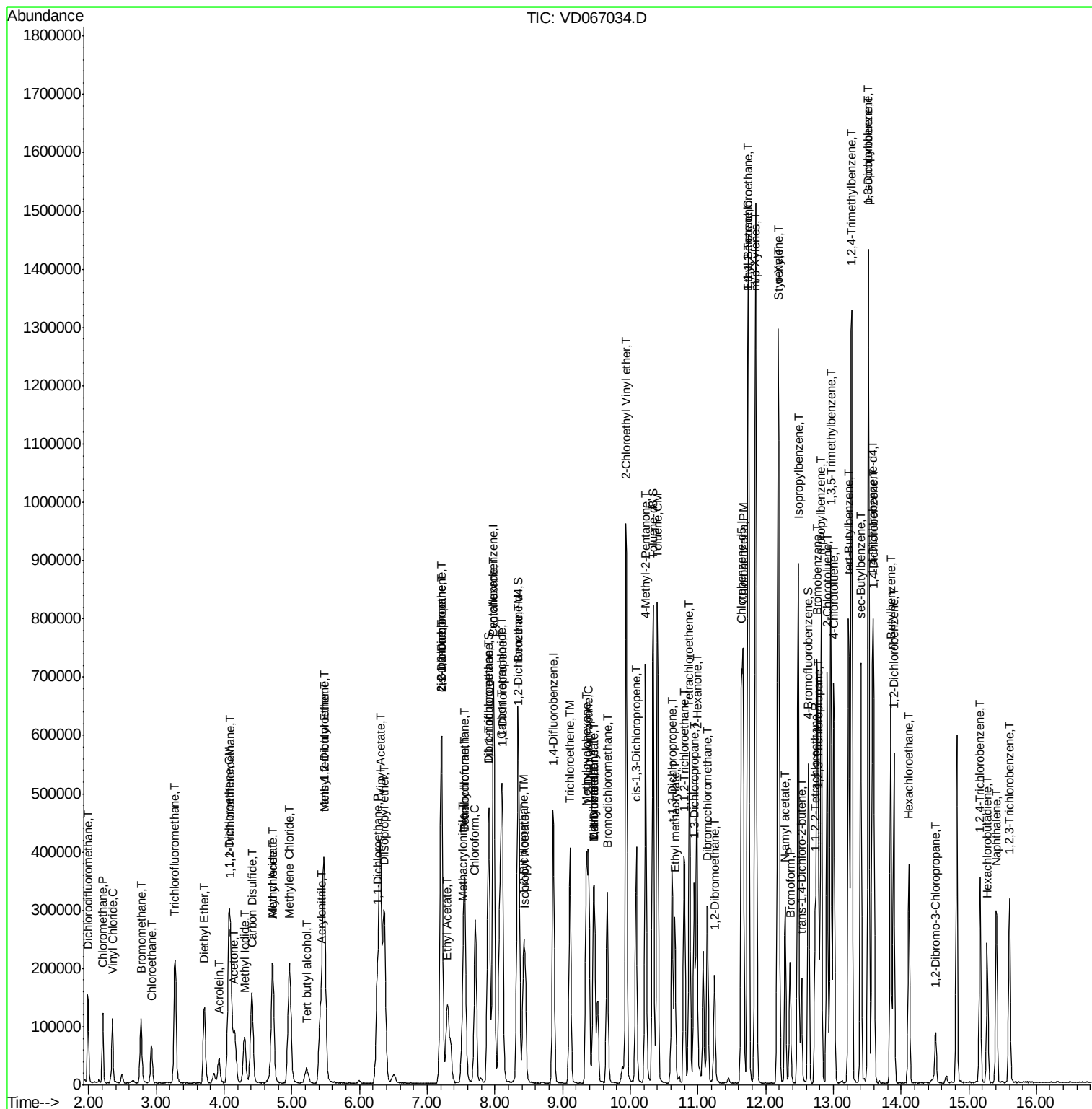
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100220\
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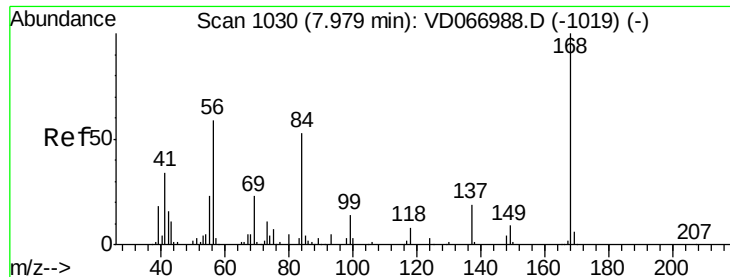
Instrument :
 MSVOA_D
 ClientSampleId :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion:168 Resp: 268372

Ion Ratio Lower Upper

168 100

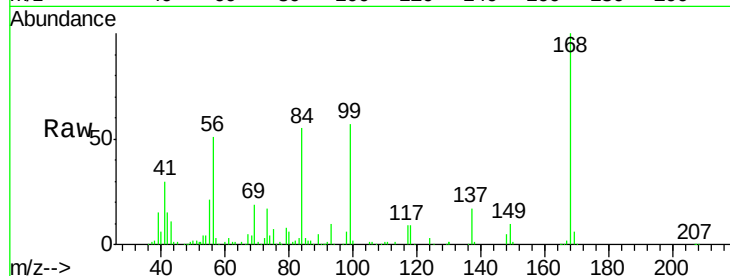
99 56.4 44.1 66.1

Manual Integrations

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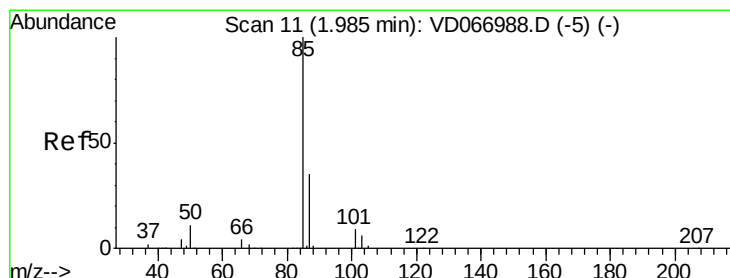
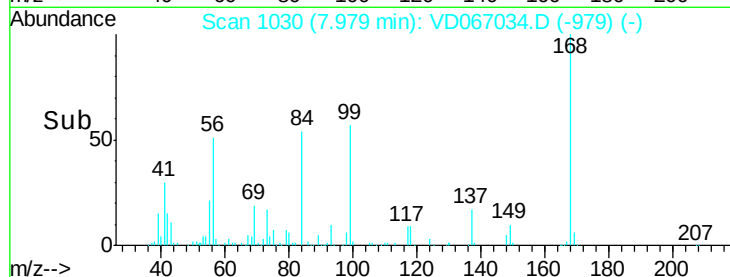
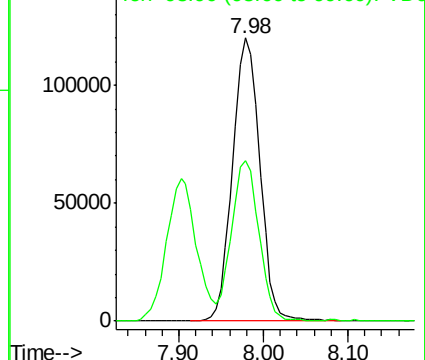
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 54.090 ug/l

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067034.D

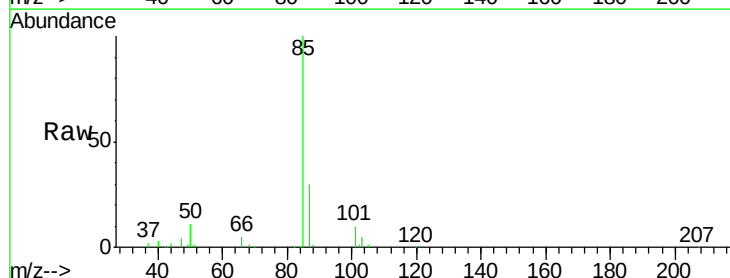
Acq: 02 Oct 2020 14:37

Tgt Ion: 85 Resp: 115984

Ion Ratio Lower Upper

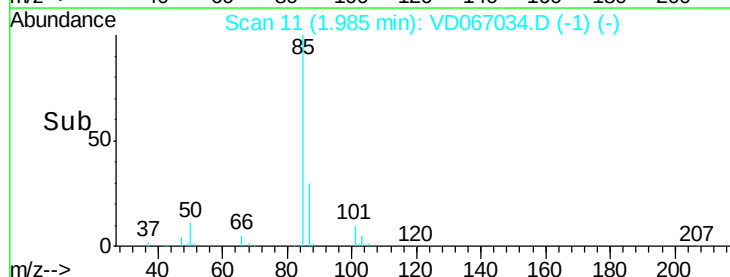
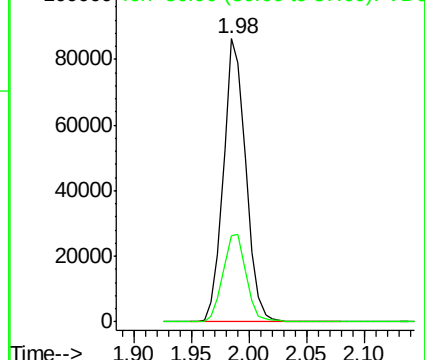
85 100

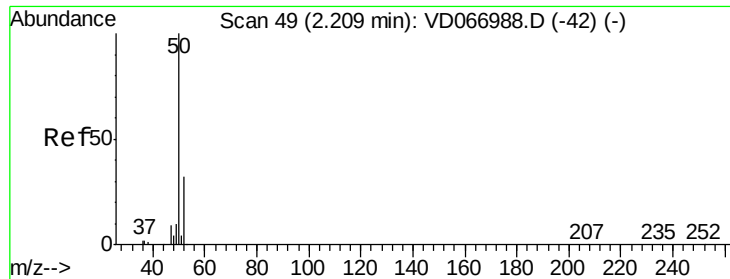
87 30.4 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 48.542 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion: 50 Resp: 103748

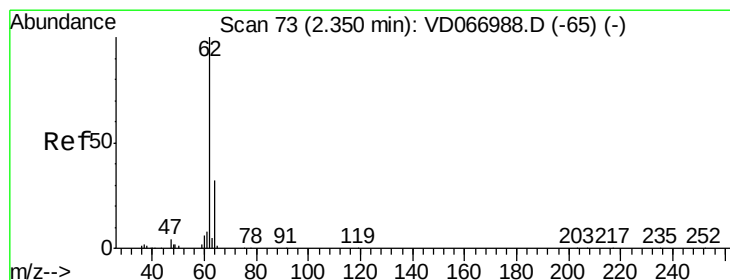
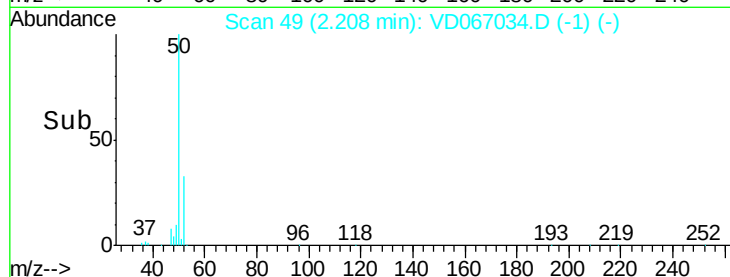
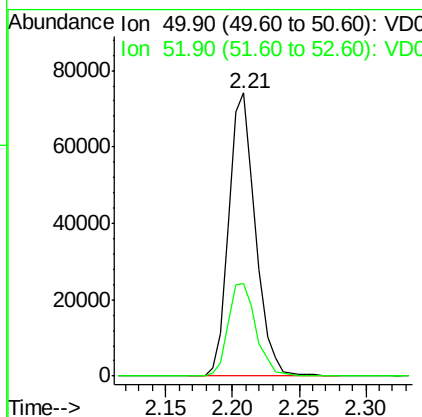
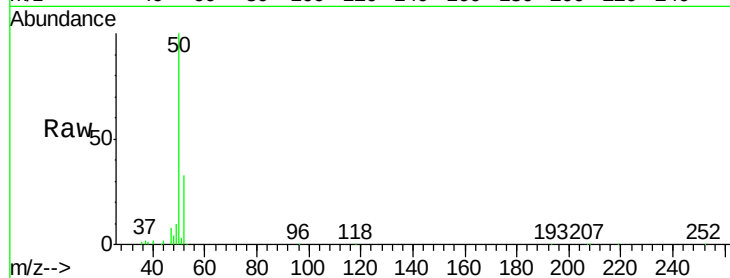
Ion Ratio Lower Upper

50 100

52 32.7 25.3 37.9

Manual Integrations
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#4

Vinyl Chloride

Concen: 46.458 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067034.D

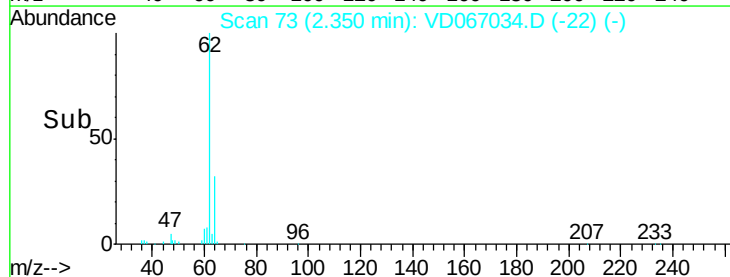
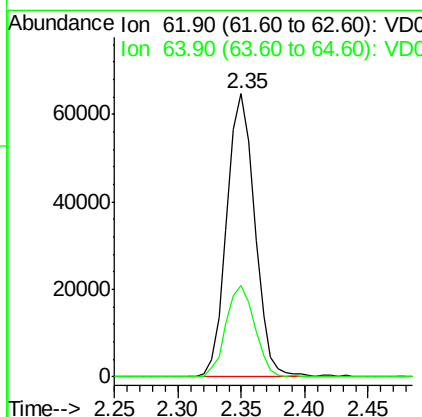
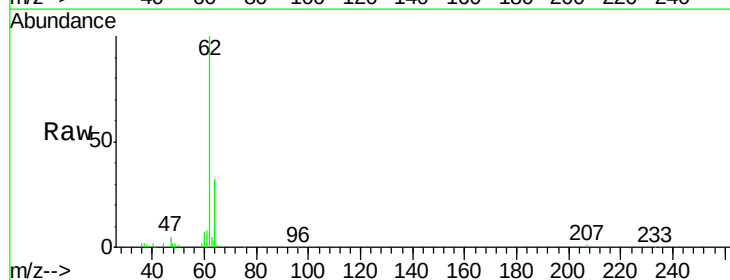
Acq: 02 Oct 2020 14:37

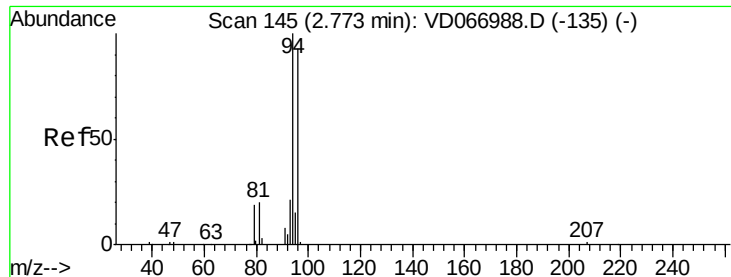
Tgt Ion: 62 Resp: 99562

Ion Ratio Lower Upper

62 100

64 32.2 25.8 38.8





#5

Bromomethane

Concen: 58.111 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion: 94 Resp: 79301

Ion Ratio Lower Upper

94 100

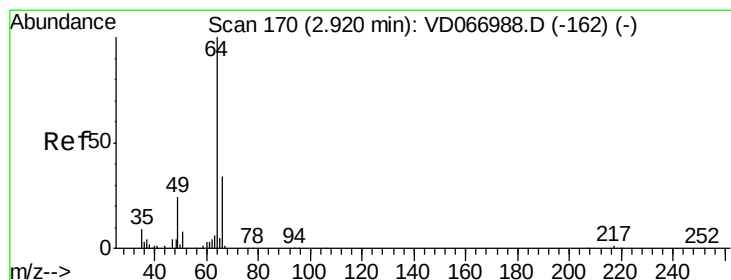
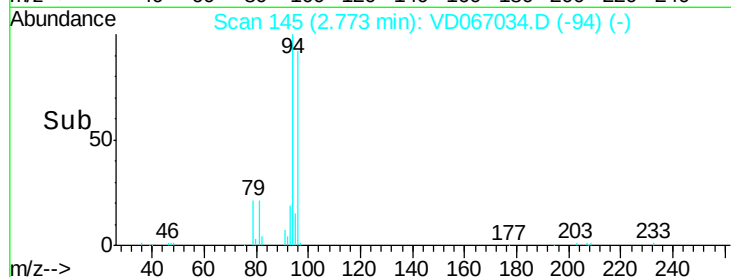
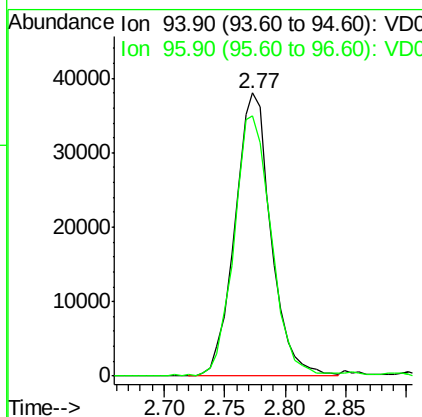
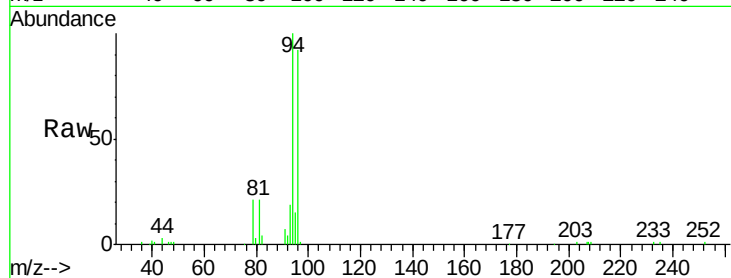
96 91.3 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 49.069 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067034.D

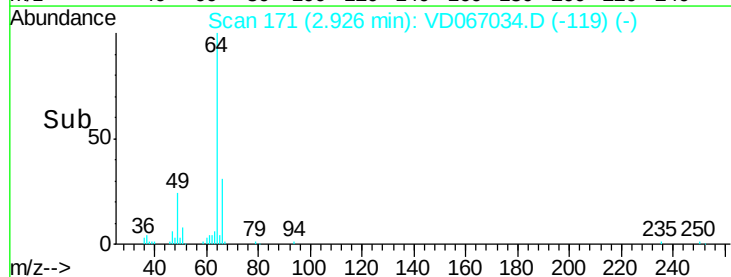
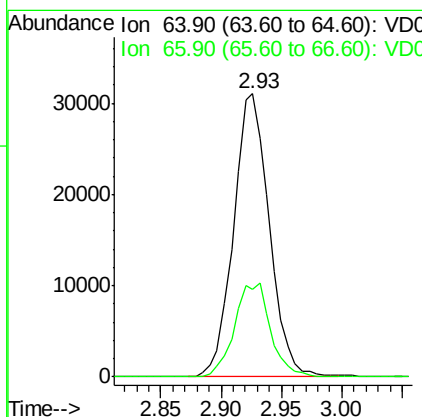
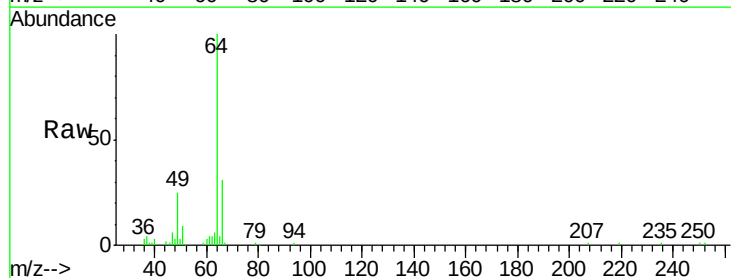
Acq: 02 Oct 2020 14:37

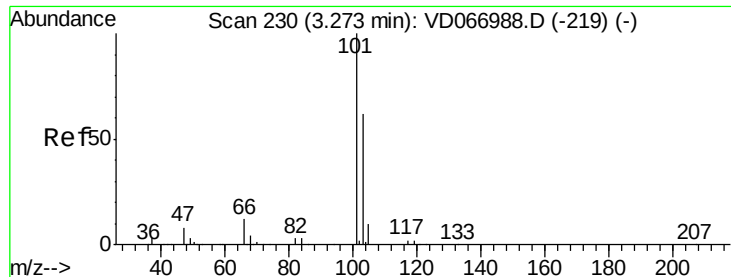
Tgt Ion: 64 Resp: 64040

Ion Ratio Lower Upper

64 100

66 30.9 27.0 40.6





#7

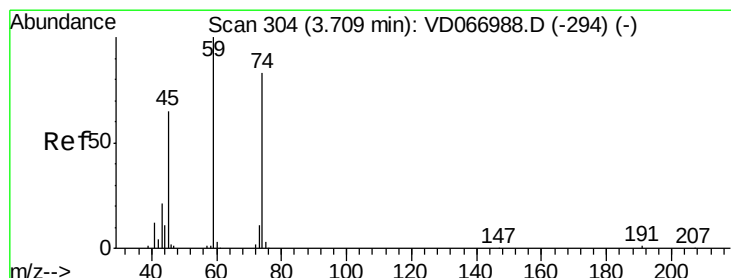
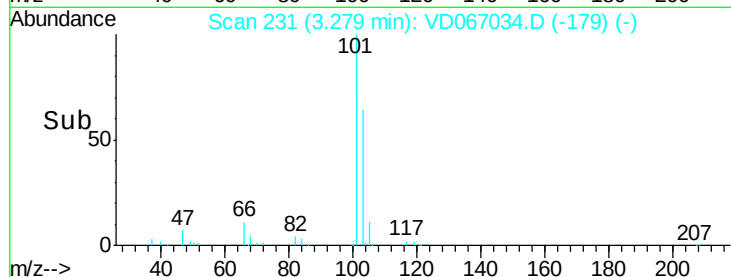
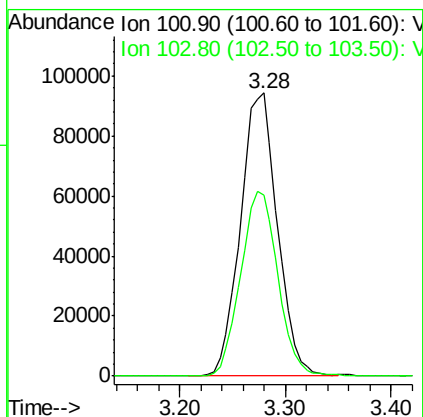
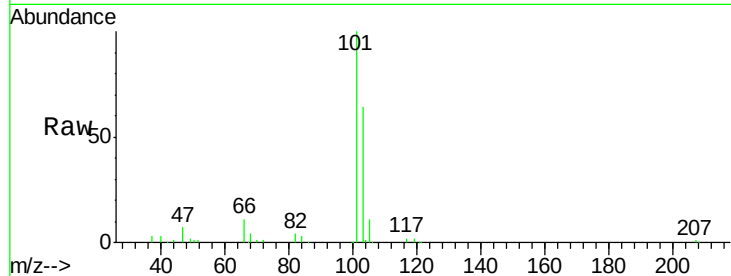
Trichlorofluoromethane
Concen: 48.228 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067034.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	229625		
103	63.9	49.8	74.8	

Manual Integrations
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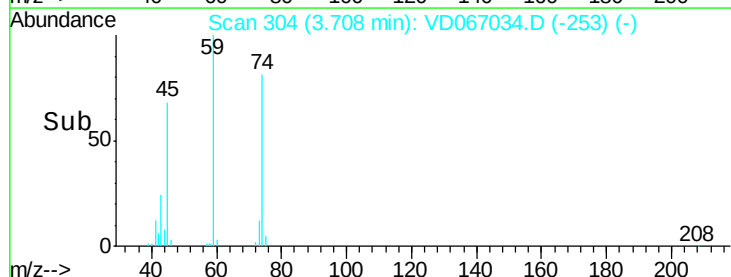
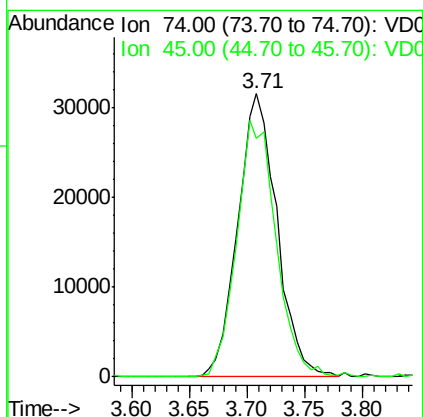
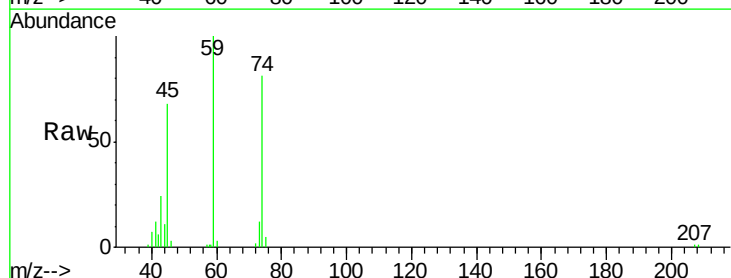
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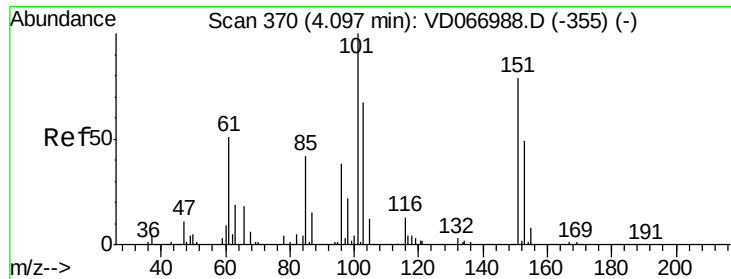


#8

Diethyl Ether
Concen: 63.051 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	74444		
45	91.3	43.1	129.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.114 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

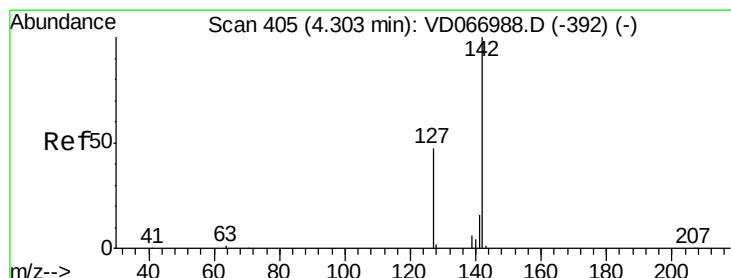
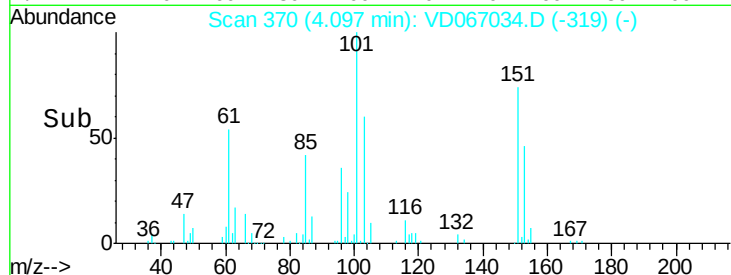
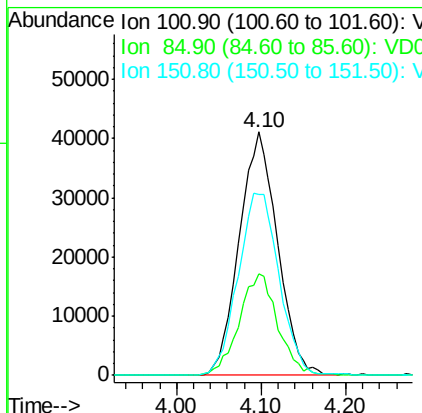
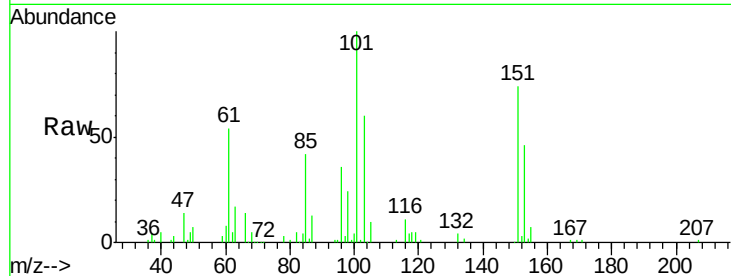
ClientSampleId :

B-15(3-4)MS

Tot Ion:	101	Resp:	129483
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.8	50.8
151	80.0	63.8	95.8

Manual Integrations
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10/5/2020 5:34:28 PM



#10

Methyl Iodide

Concen: 50.497 ug/l

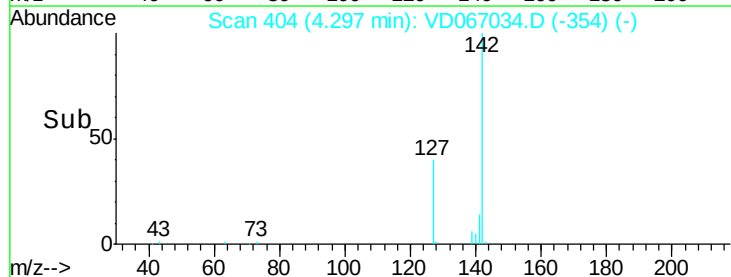
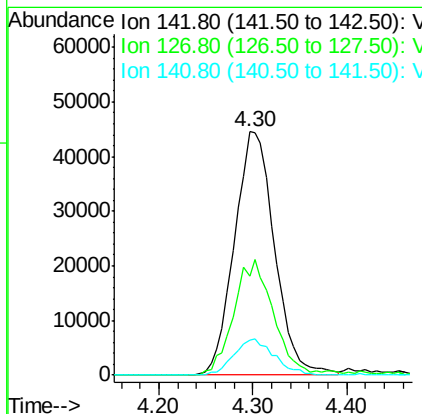
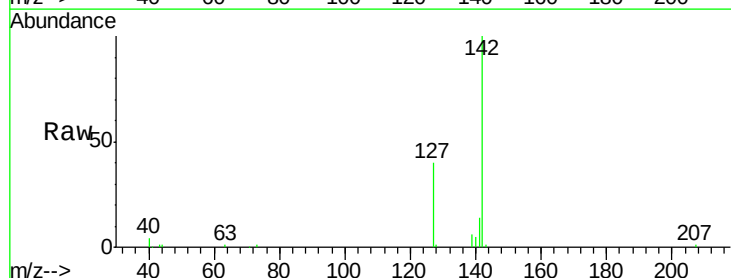
RT: 4.30 min Scan# 404

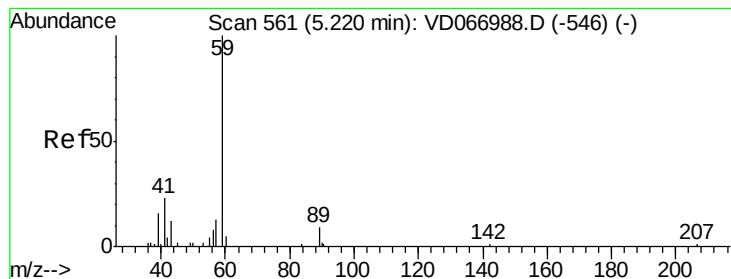
Delta R.T. -0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Tgt Ion:	142	Resp:	132044
Ion Ratio	Lower	Upper	
142	100		
127	46.4	36.3	54.5
141	15.0	12.0	18.0





#11

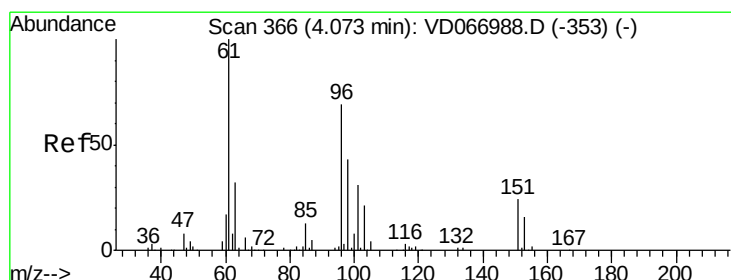
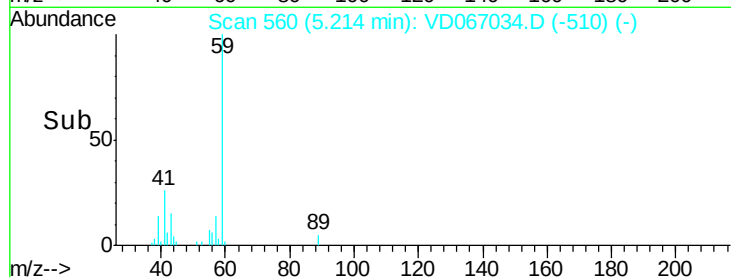
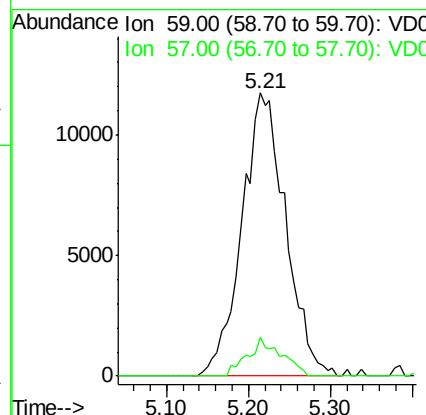
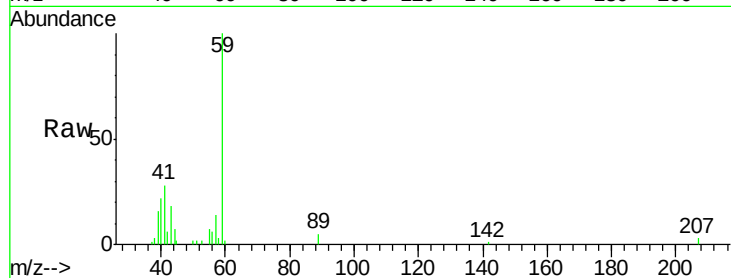
Tert butyl alcohol
 Concen: 297.681 ug/l
 RT: 5.21 min Scan# 560
 Delta R.T. -0.01 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampled :
 B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.2	12.4

Manual Integrations
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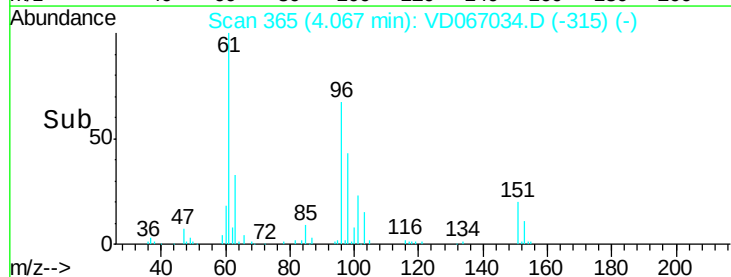
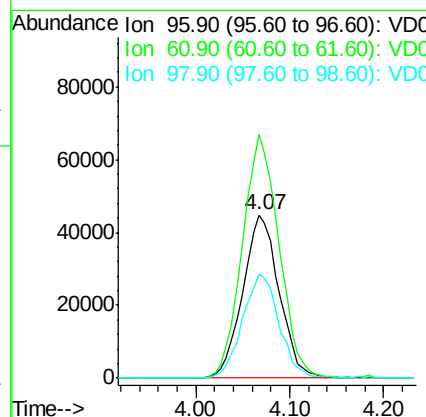
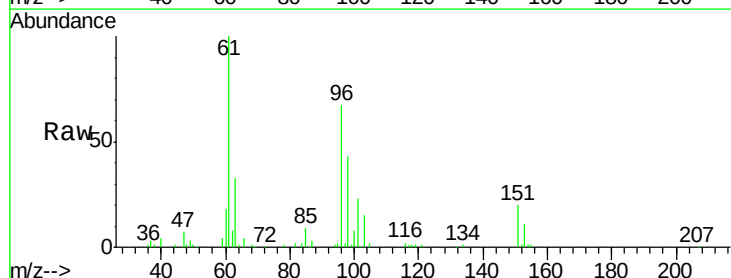
MMDadoda
 10/5/2020 5:34:28 PM

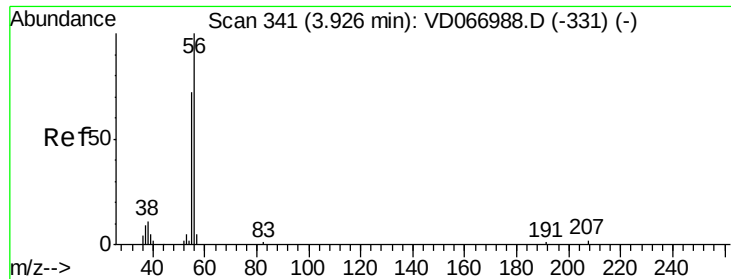


#12

1,1-Dichloroethene
 Concen: 47.392 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.2	116.4	174.6
98	64.1	49.9	74.9





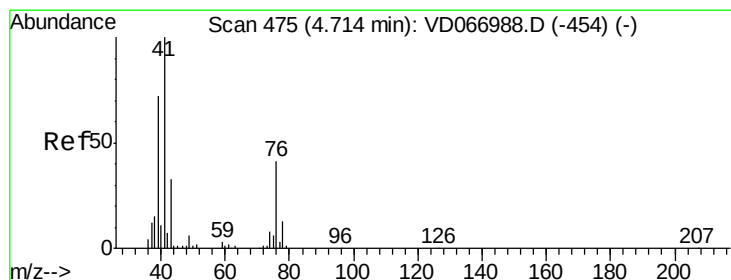
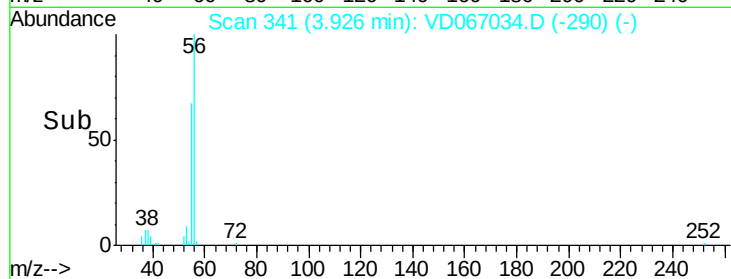
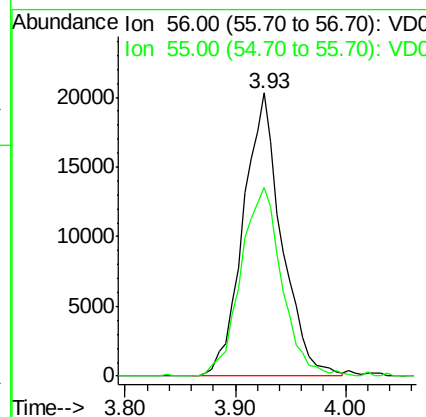
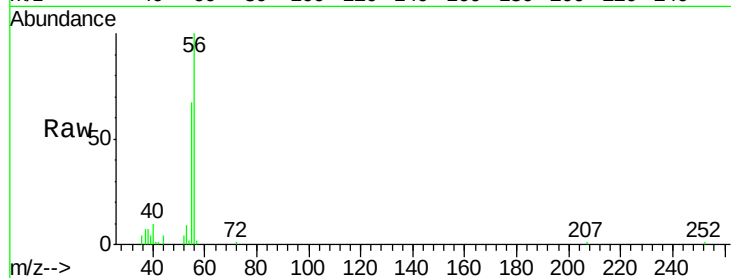
#13
Acrolein
Concen: 286.589 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.3	56.9	85.3

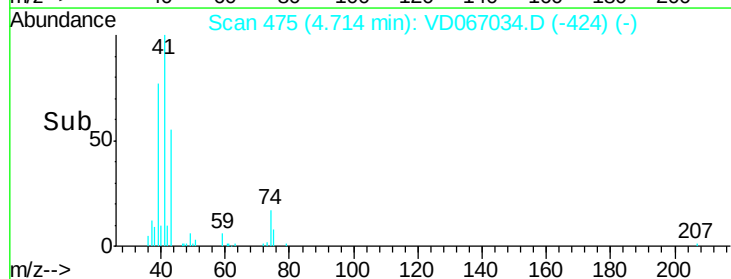
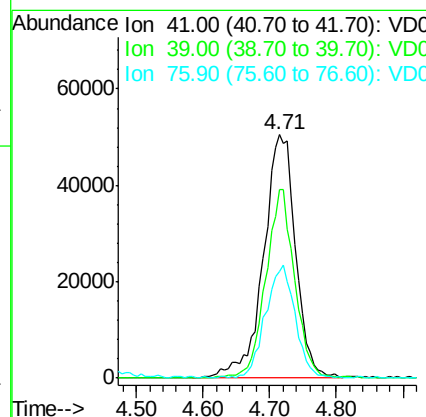
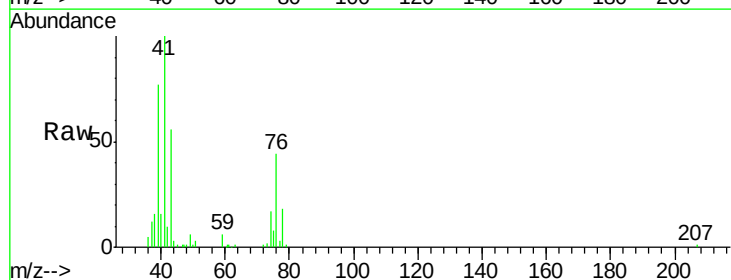
Manual Integrations
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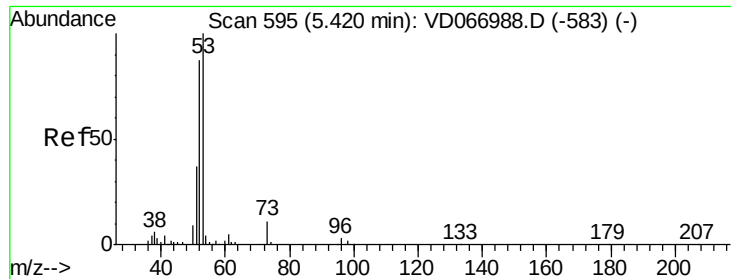
MMDadoda
10/5/2020 5:34:28 PM



#14
Allyl chloride
Concen: 51.530 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
41	100		
39	69.5	56.2	84.2
76	42.6	34.2	51.2





#15

Acrylonitrile

Concen: 356.036 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

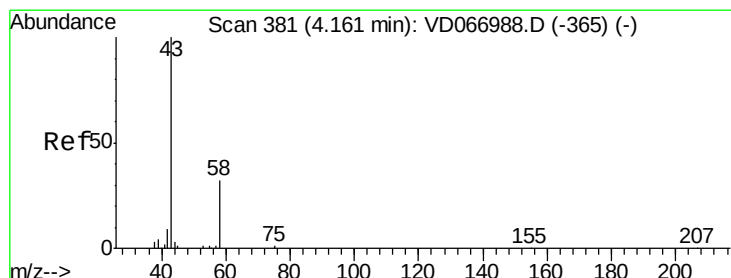
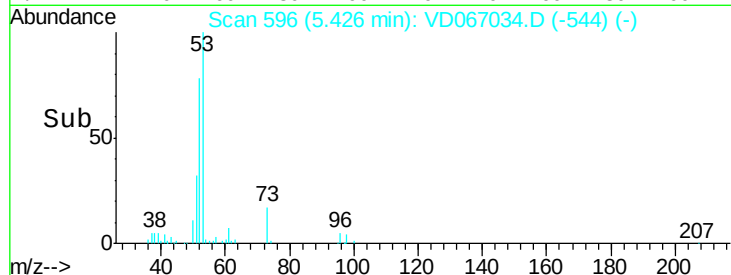
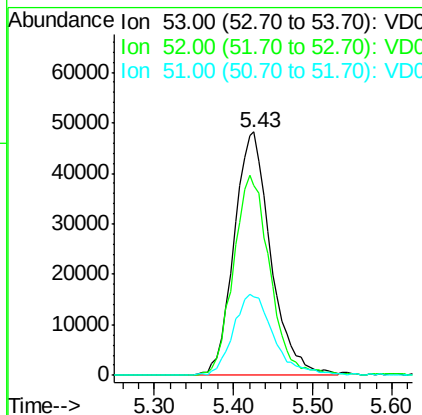
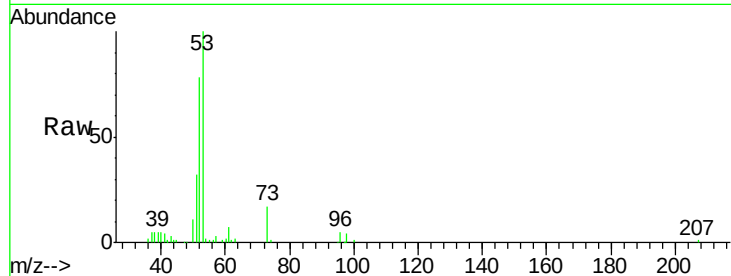
ClientSampleId :

B-15(3-4)MS

Tot Ion:	53	Resp:	154715
Ion	Ratio	Lower	Upper
53	100		
52	81.6	67.3	100.9
51	36.3	30.2	45.2

Manual Integrations
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10/5/2020 5:34:28 PM



#16

Acetone

Concen: 379.205 ug/l

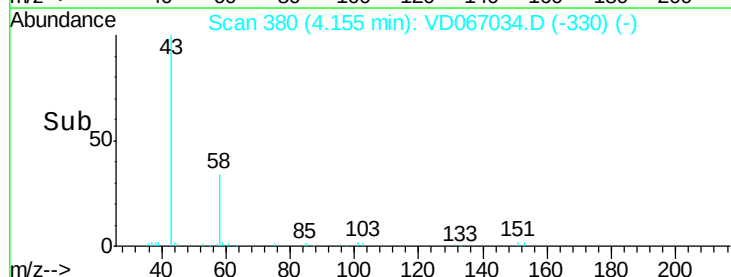
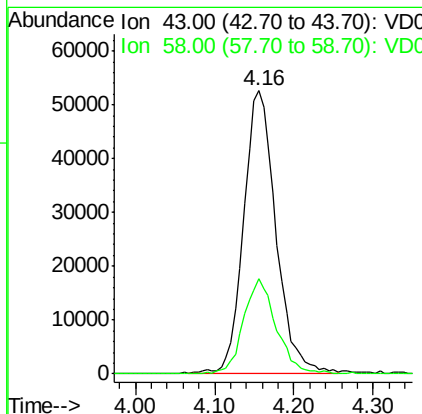
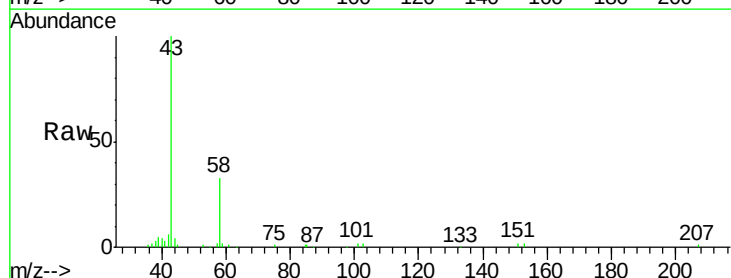
RT: 4.16 min Scan# 380

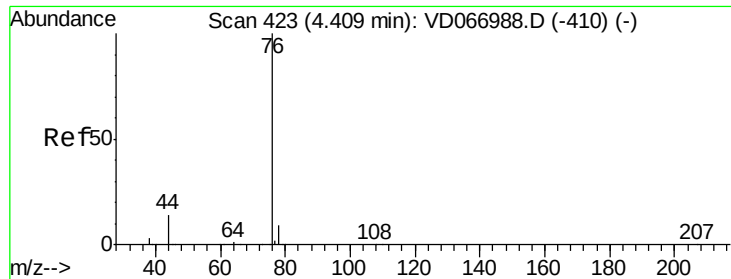
Delta R.T. -0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Tgt Ion:	43	Resp:	149632
Ion	Ratio	Lower	Upper
43	100		
58	33.4	25.9	38.9





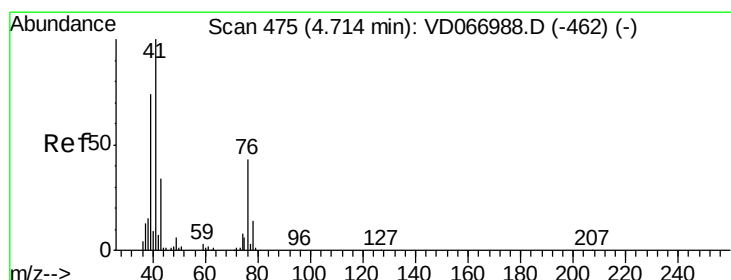
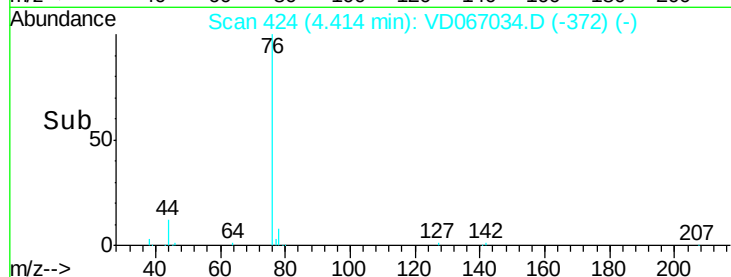
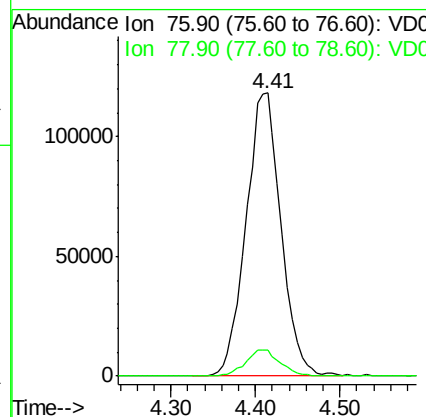
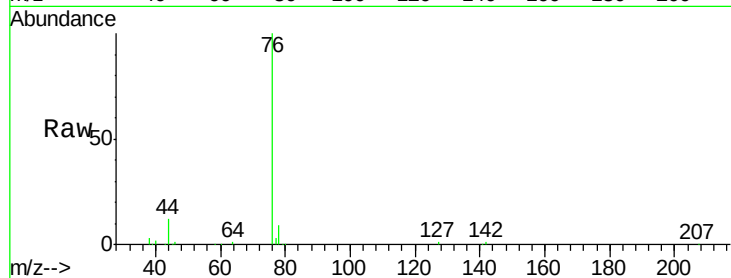
#17
Carbon Disulfide
Concen: 43.765 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampled :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.5	11.3

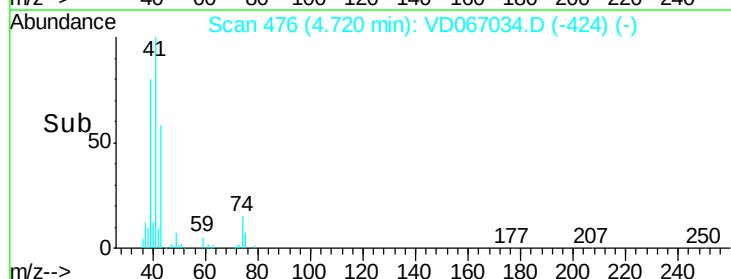
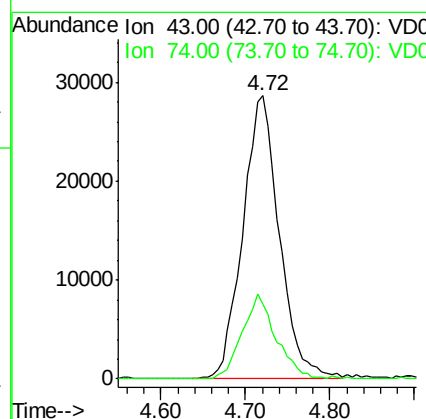
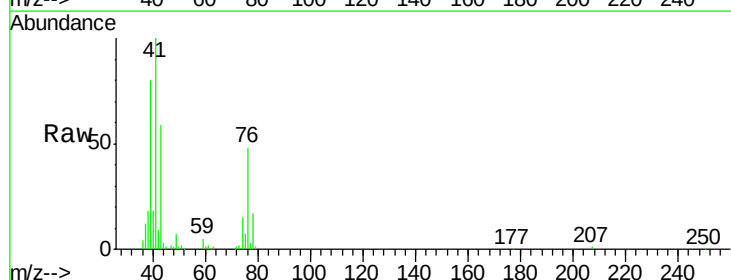
Manual Integrations
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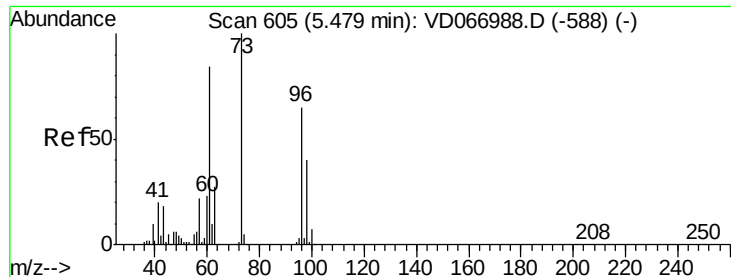
MMDadoda
10/5/2020 5:34:28 PM



#18
Methyl Acetate
Concen: 86.746 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
43	100		
74	27.5	21.5	32.3





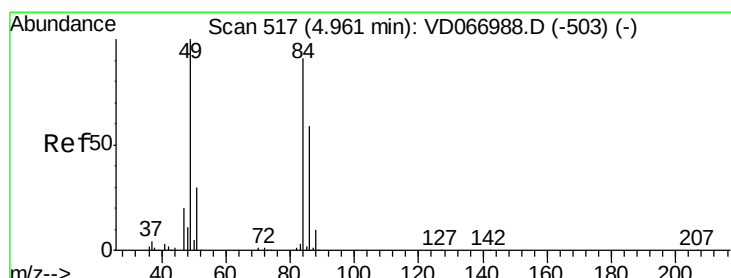
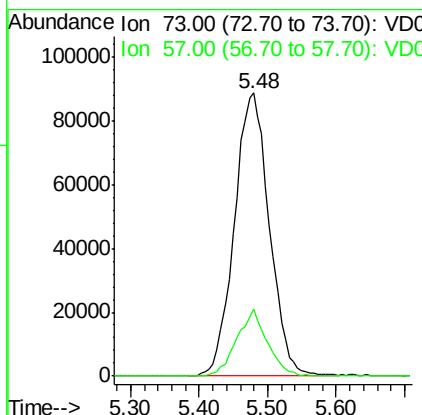
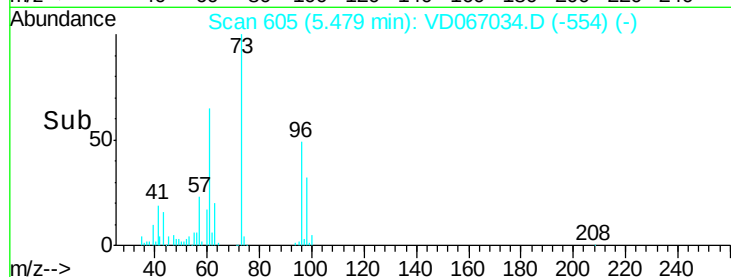
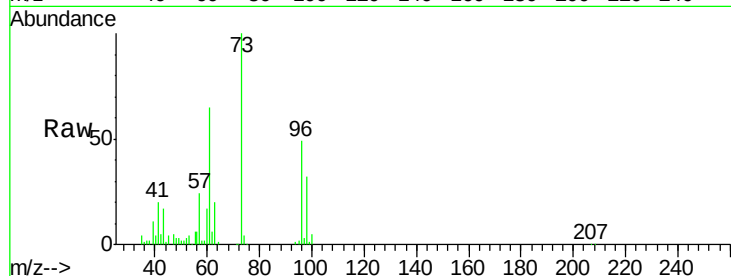
#19
Methyl tert-butyl Ether
Concen: 68.040 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampled :
B-15(3-4)MS

Tot Ion: 73 Resp: 314230
Ion Ratio Lower Upper
73 100
57 23.9 17.4 26.0

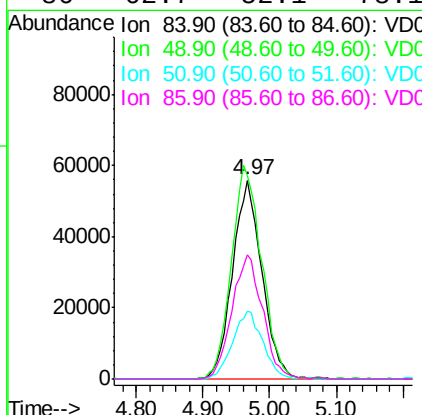
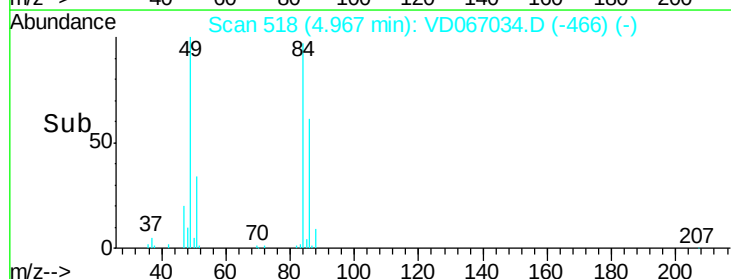
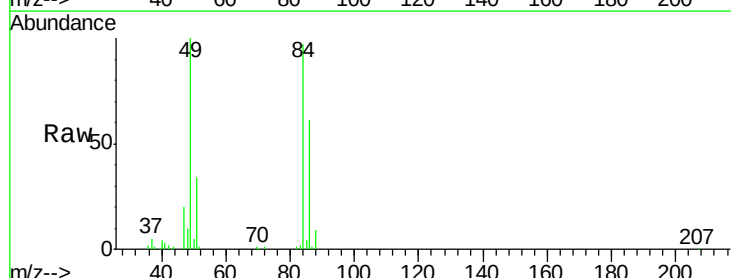
Manual Integrations
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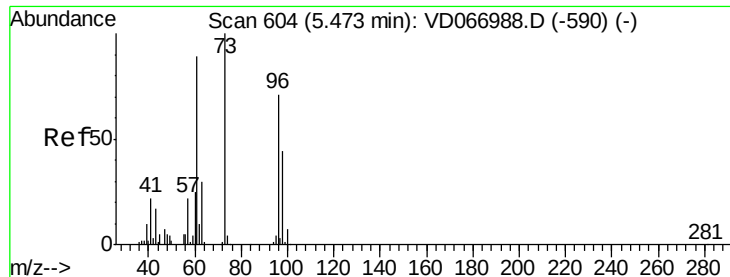
MMDadoda
10/5/2020 5:34:28 PM



#20
Methylene Chloride
Concen: 63.052 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion: 84 Resp: 171237
Ion Ratio Lower Upper
84 100
49 102.6 88.2 132.2
51 34.4 26.6 39.8
86 62.7 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 48.842 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

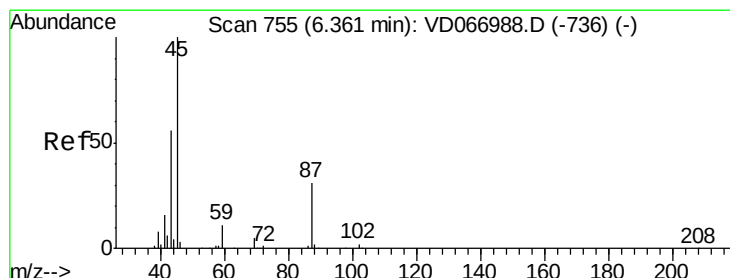
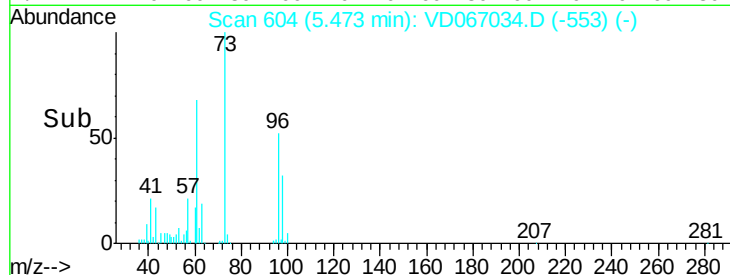
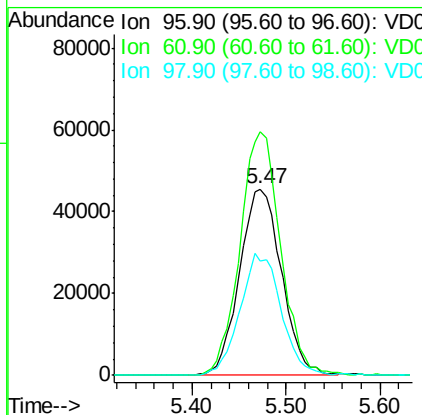
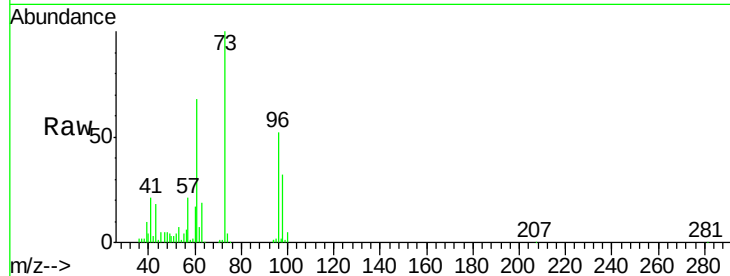
ClientSampleId :

B-15(3-4)MS

Tot Ion:	96	Resp:	140622
Ion	Ratio	Lower	Upper
96	100		
61	130.5	99.6	149.4
98	61.5	49.4	74.2

Manual Integrations
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10/5/2020 5:34:28 PM



#22

Diisopropyl ether

Concen: 62.558 ug/l

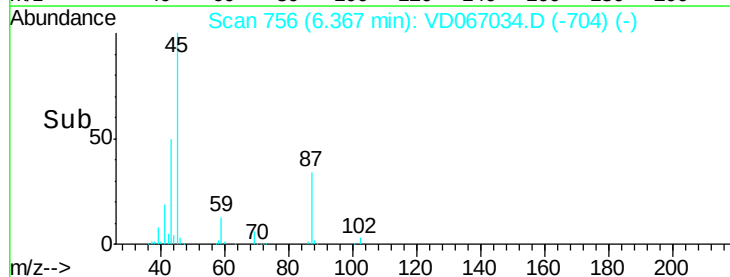
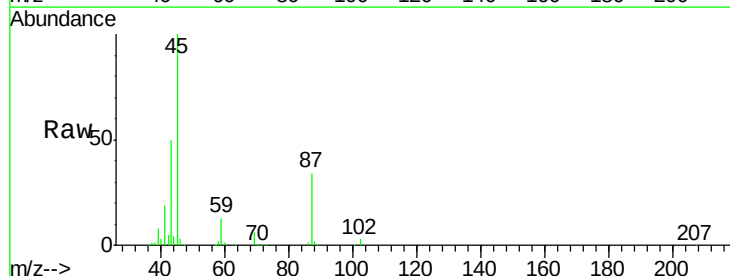
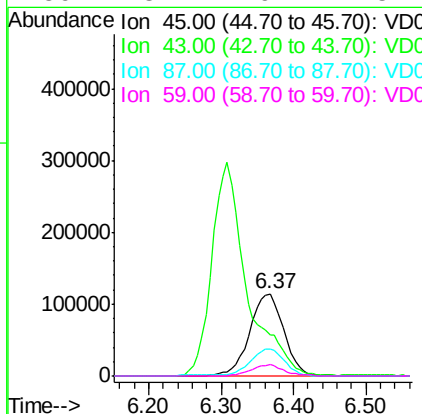
RT: 6.37 min Scan# 755

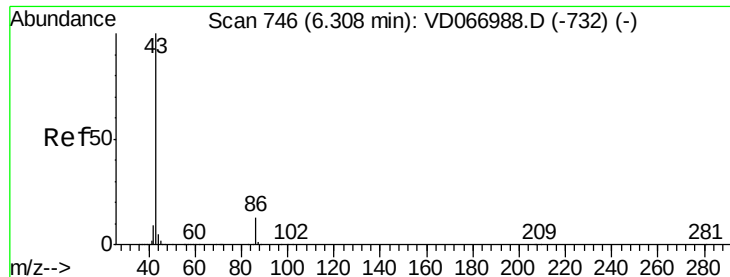
Delta R.T. 0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Tgt Ion:	45	Resp:	375350
Ion	Ratio	Lower	Upper
45	100		
43	49.6	45.2	67.8
87	33.3	25.6	38.4
59	13.4	9.1	13.7





#23

Vinyl Acetate

Concen: 293.871 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion: 43 Resp: 999161

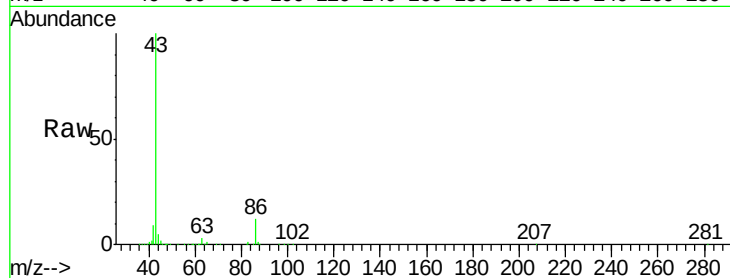
Ion Ratio Lower Upper

43 100

86 11.8 10.2 15.2

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

6.31

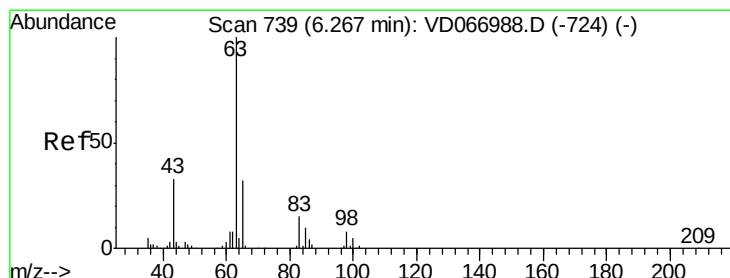
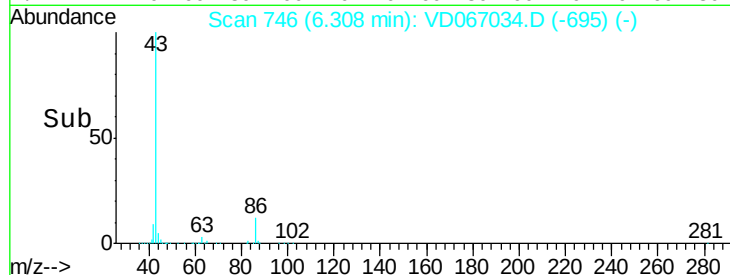
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 54.508 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

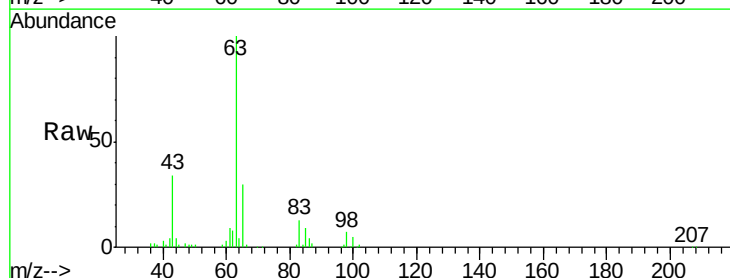
Tgt Ion: 63 Resp: 252398

Ion Ratio Lower Upper

63 100

98 7.0 4.2 12.6

100 4.5 2.6 7.8



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

6.27

100000

80000

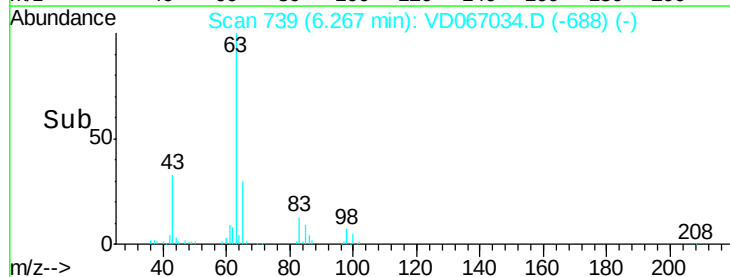
60000

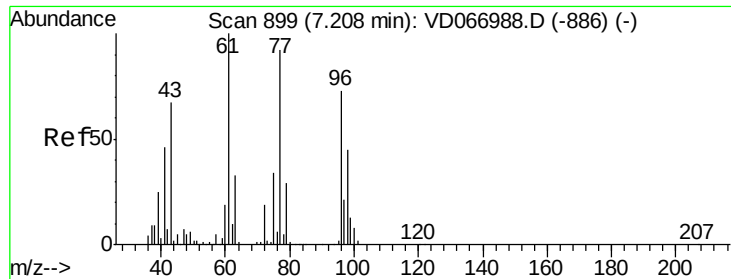
40000

20000

0

Time-->





#25

2-Butanone

Concen: 340.374 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion: 43 Resp: 190420

Ion Ratio Lower Upper

43 100

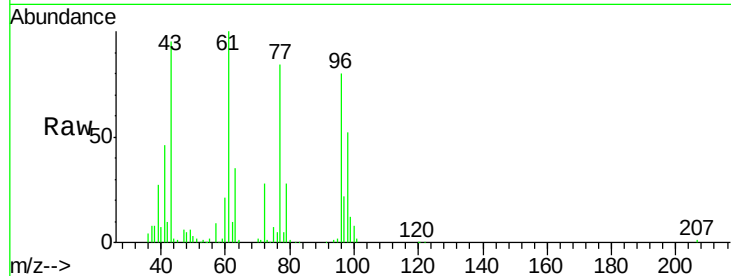
72 29.3 22.8 34.2

Manual Integrations

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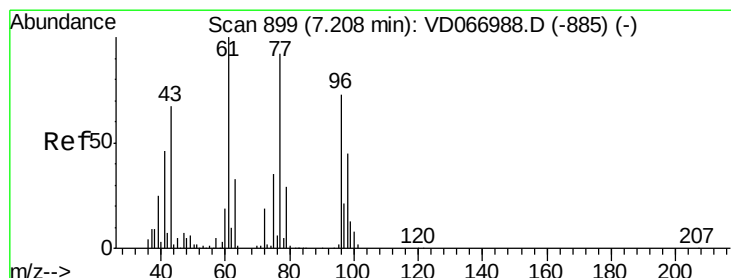
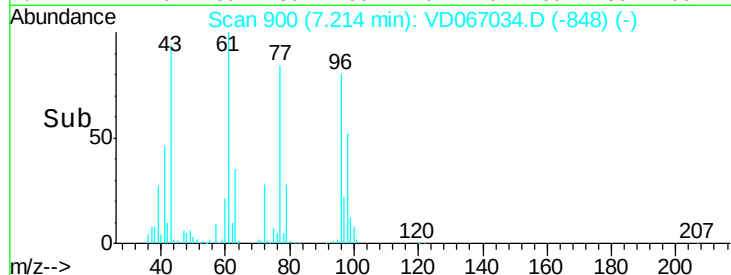
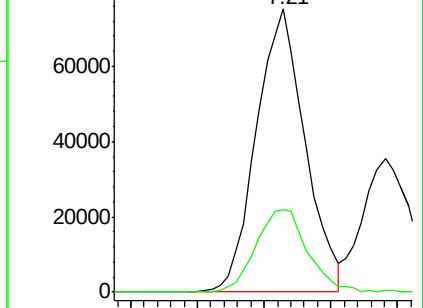
MMDadoda

10/5/2020 5:34:28 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 53.430 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067034.D

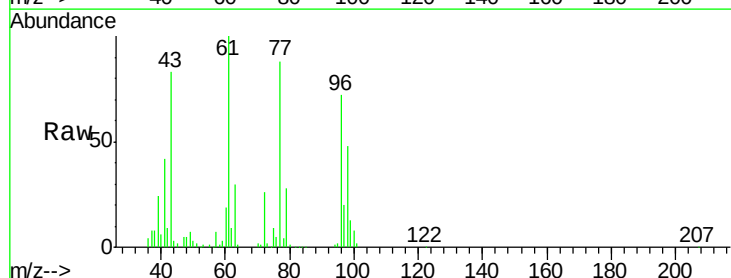
Acq: 02 Oct 2020 14:37

Tgt Ion: 77 Resp: 210438

Ion Ratio Lower Upper

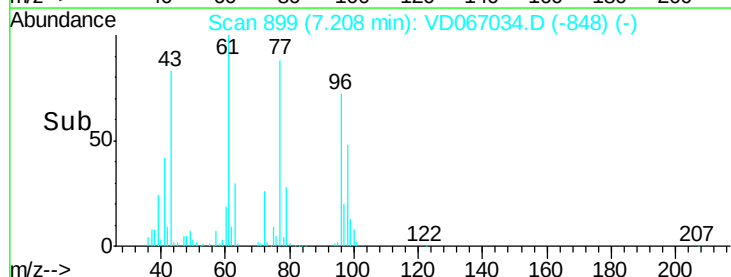
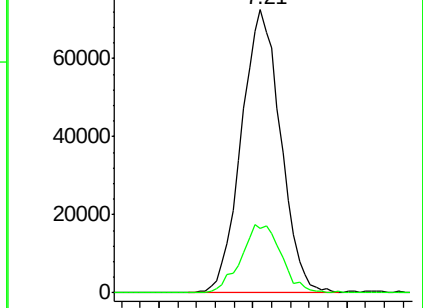
77 100

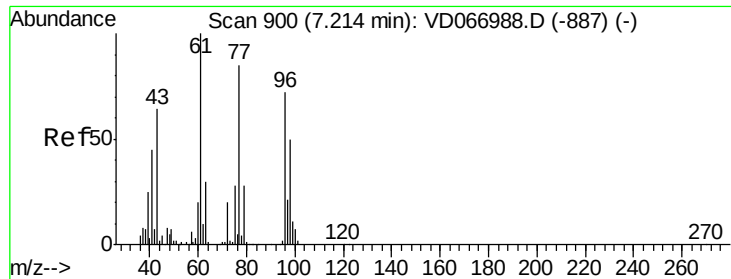
97 24.6 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

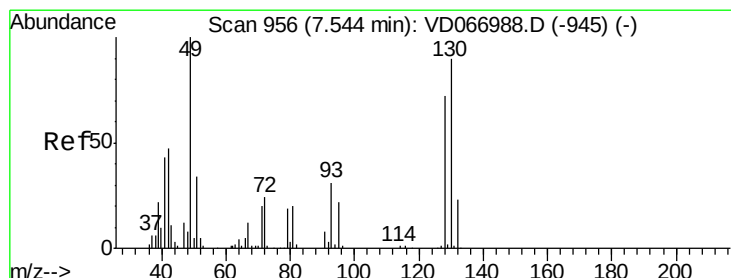
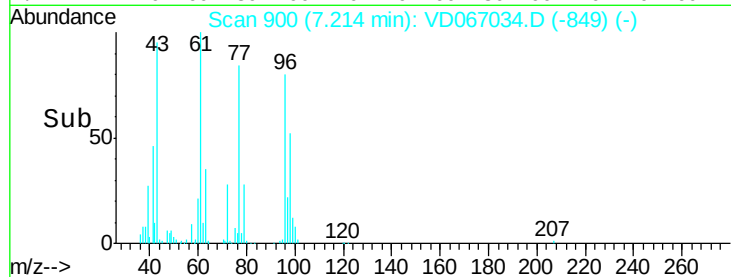
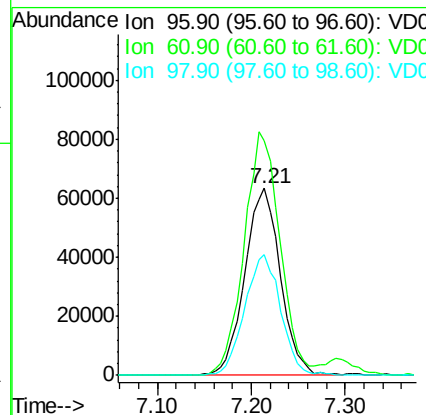
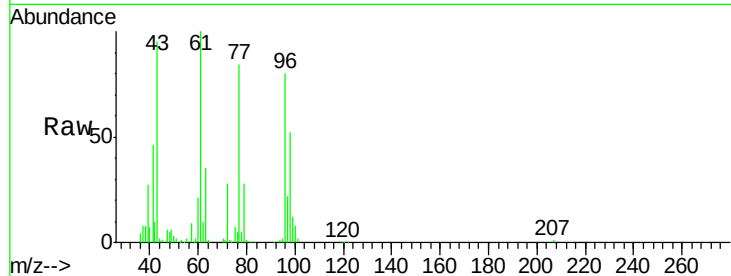
cis-1,2-Dichloroethene
Concen: 54.149 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampled :
B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
96	100	166501		
61	130.9		0.0	269.2
98	65.1		0.0	129.4

Manual Integrations
APPROVED

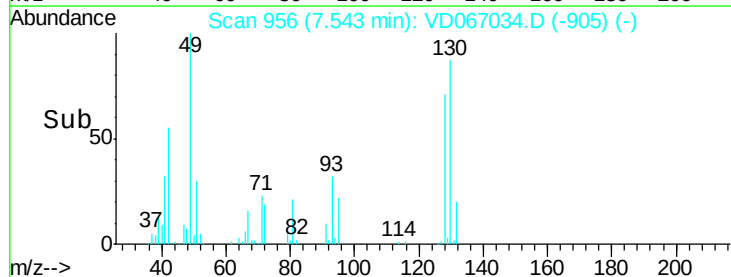
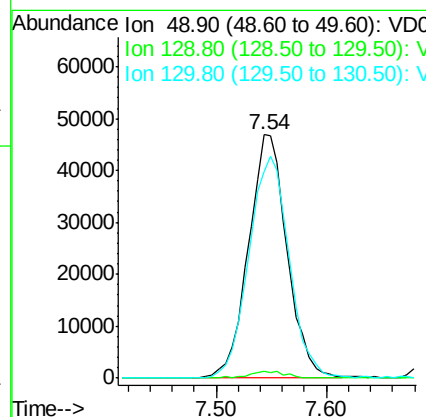
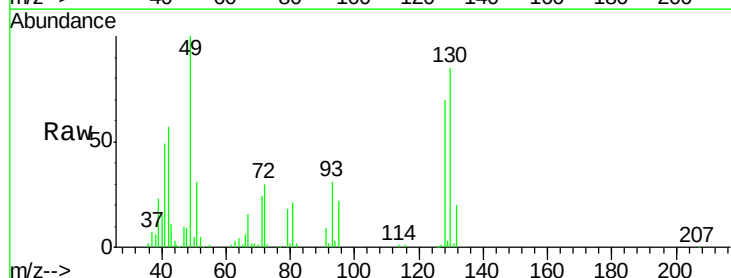
MMDadoda
10/5/2020 5:34:28 PM

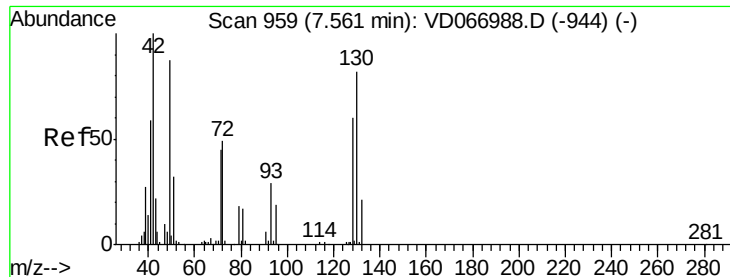


#28

Bromochloromethane
Concen: 64.345 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	115065		
129	2.6		0.0	4.6
130	95.2		74.1	111.1





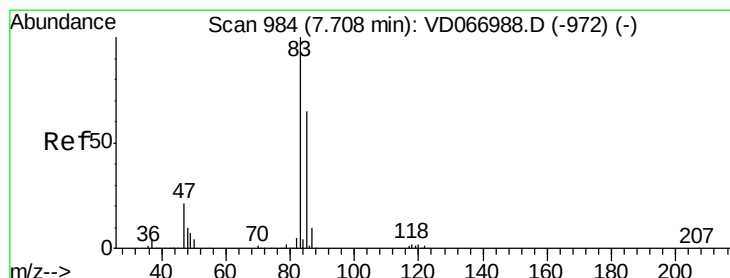
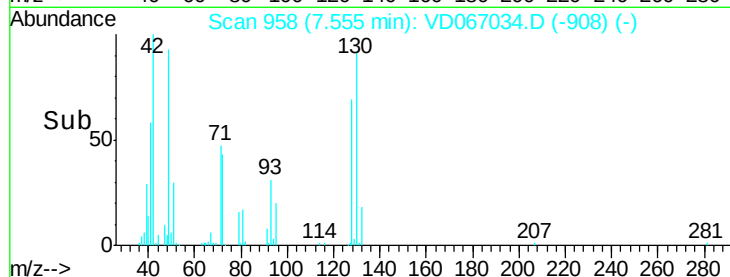
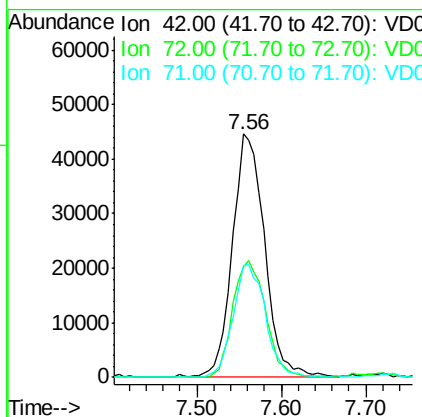
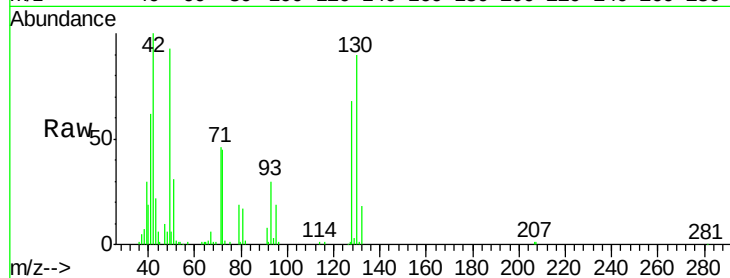
#29
Tetrahydrofuran
Concen: 361.471 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.01 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
42	100		
72	49.9	39.1	58.7
71	47.2	34.2	51.4

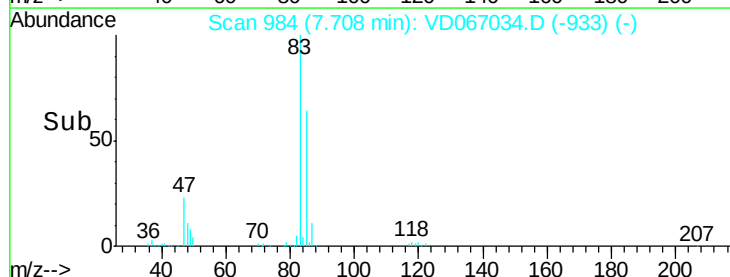
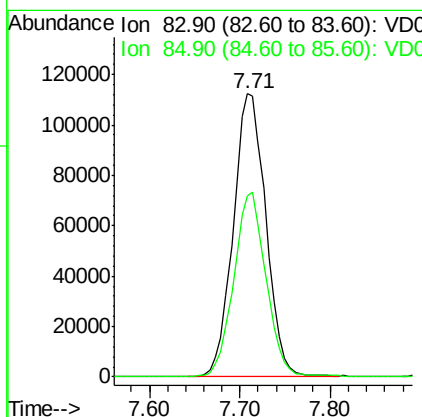
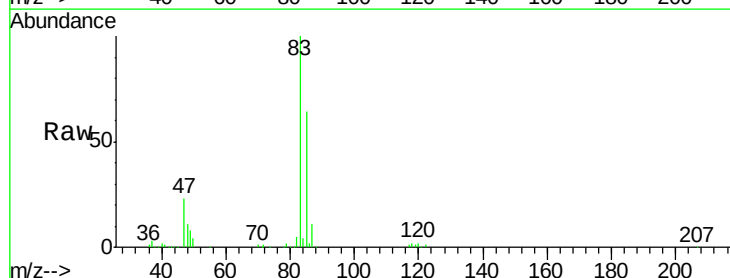
Manual Integrations
APPROVED

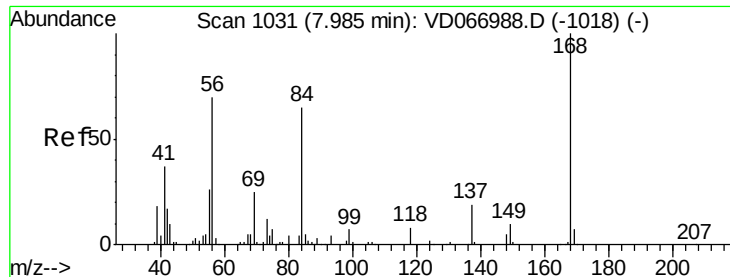
MMDadoda
10/5/2020 5:34:28 PM



#30
Chloroform
Concen: 55.998 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.3	78.5





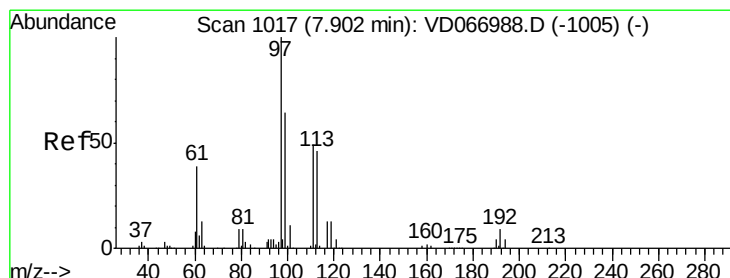
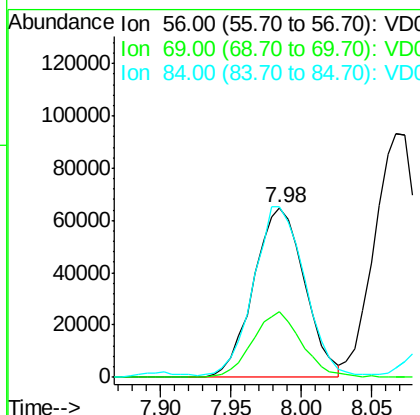
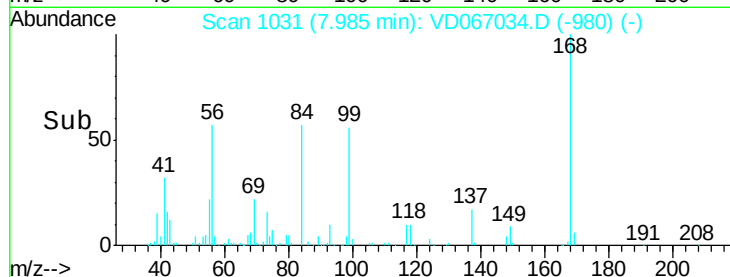
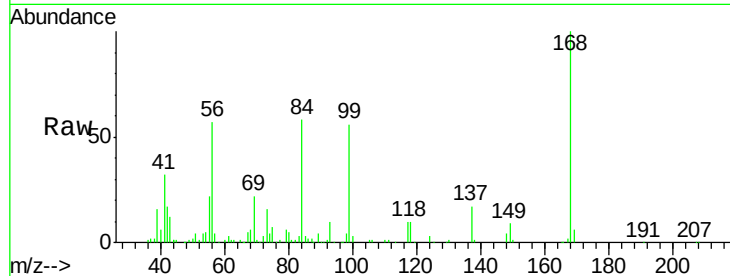
#31
Cyclohexane
Concen: 42.405 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.0	29.0	43.6
84	99.0	74.2	111.2

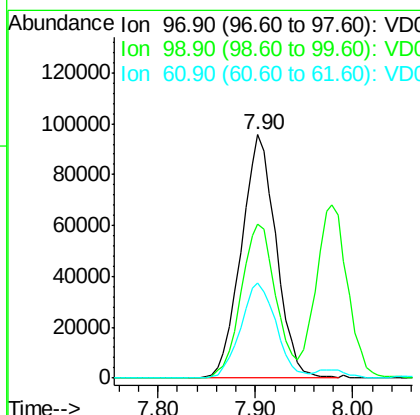
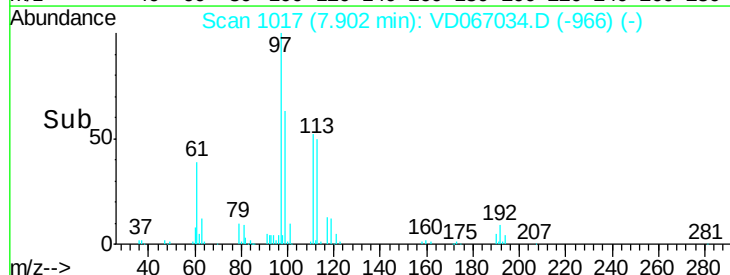
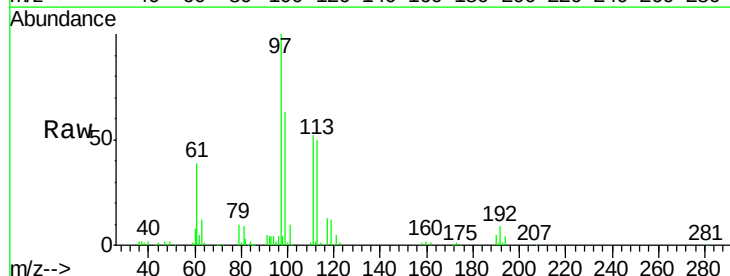
Manual Integrations
APPROVED

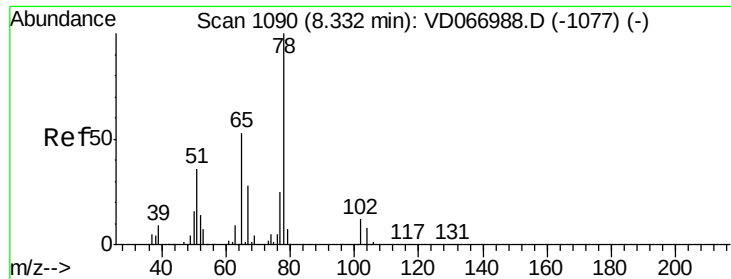
MMDadoda
10/5/2020 5:34:28 PM



#32
1,1,1-Trichloroethane
Concen: 51.189 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.6	78.8
61	39.8	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 65.350 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion: 65 Resp: 168926

Ion Ratio Lower Upper

65 100

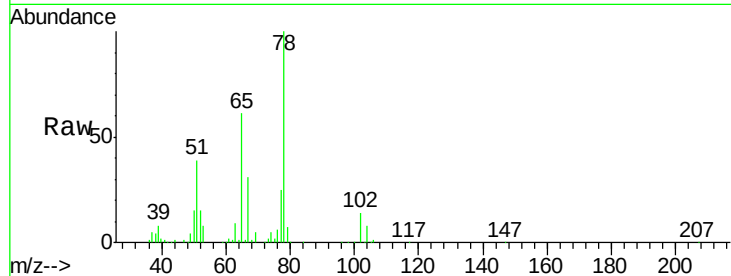
67 51.4 0.0 106.8

Manual Integrations

APPROVED

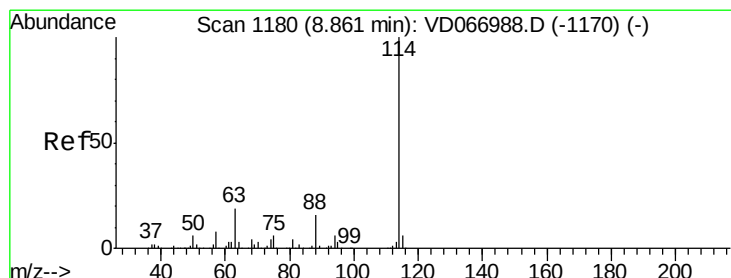
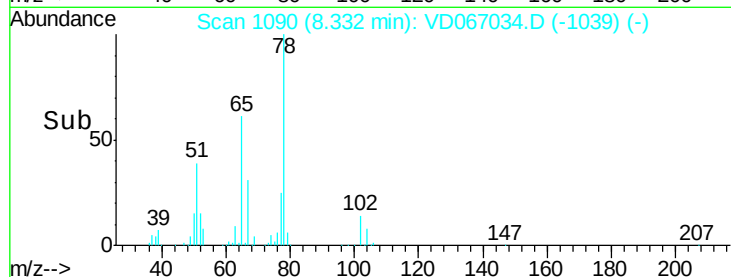
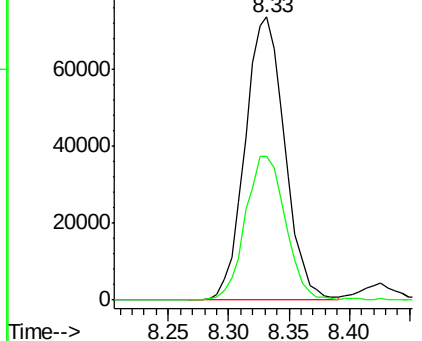
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

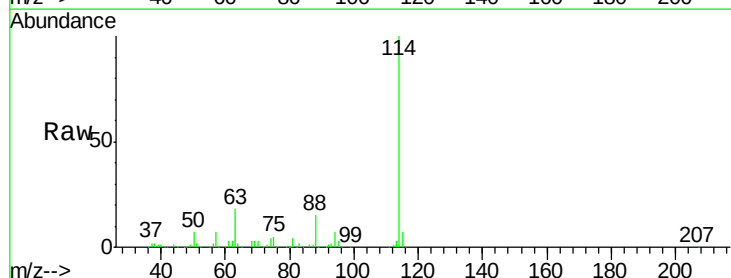
Tgt Ion: 114 Resp: 427730

Ion Ratio Lower Upper

114 100

63 18.3 0.0 38.4

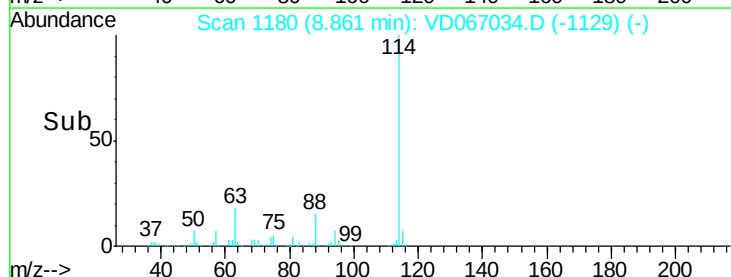
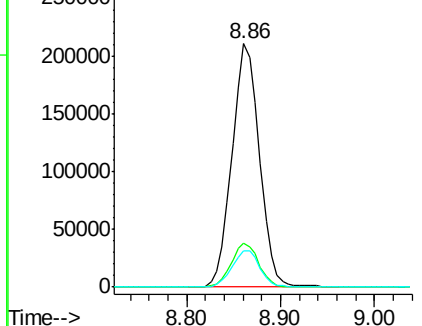
88 14.7 0.0 31.2

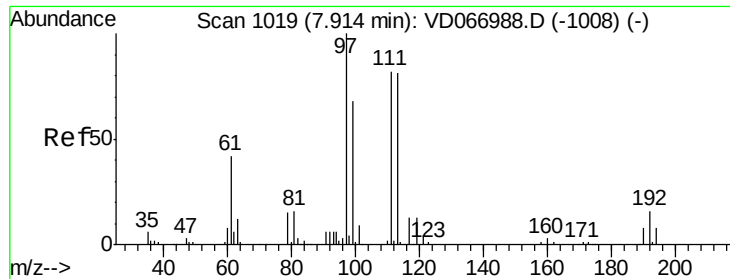


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





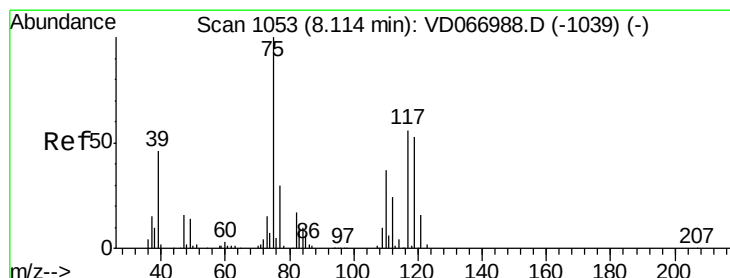
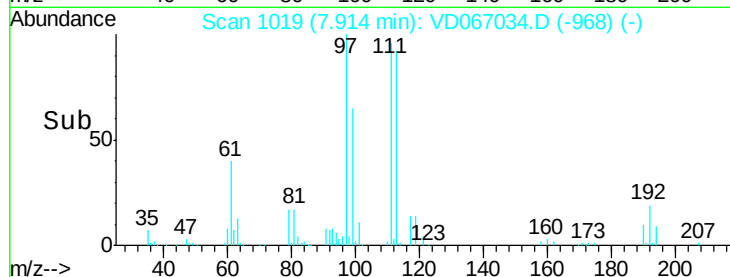
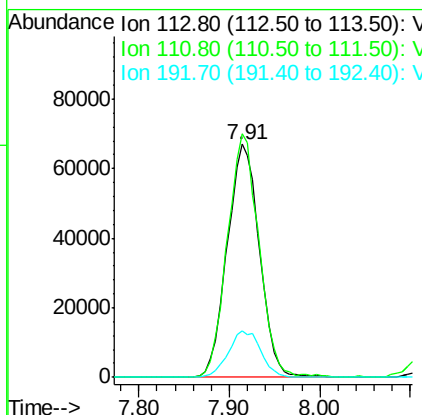
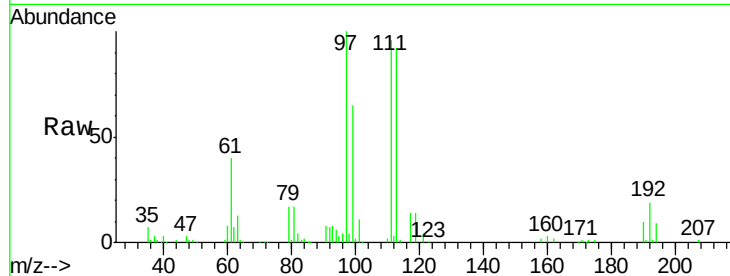
#35
 Dibromofluoromethane
 Concen: 59.151 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
113	100	165639		
111	101.7	83.0	124.4	
192	20.2	15.5	23.3	

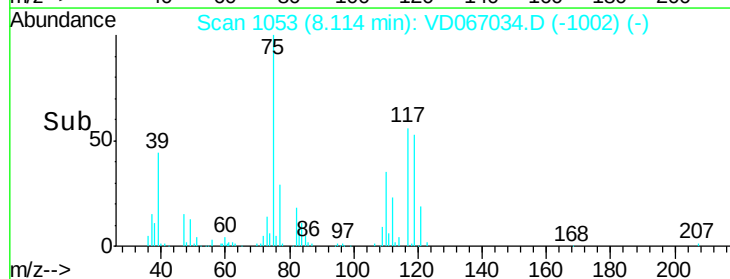
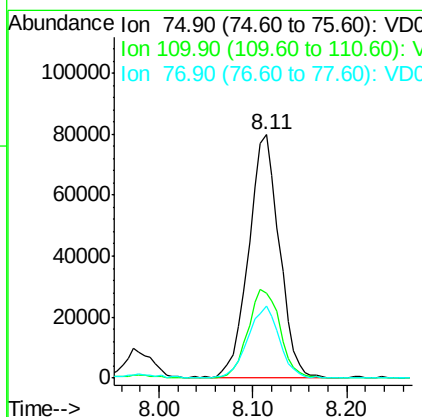
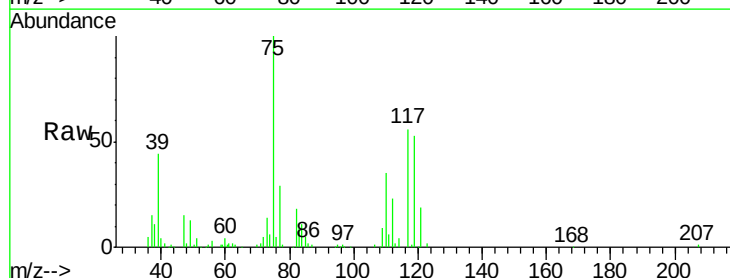
Manual Integrations
 APPROVED

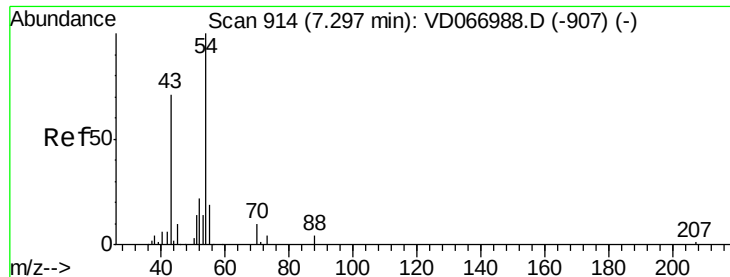
MMDadoda
 10/5/2020 5:34:28 PM



#36
 1,1-Dichloropropene
 Concen: 45.408 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	181039		
110	37.6	18.4	55.0	
77	30.1	24.8	37.2	





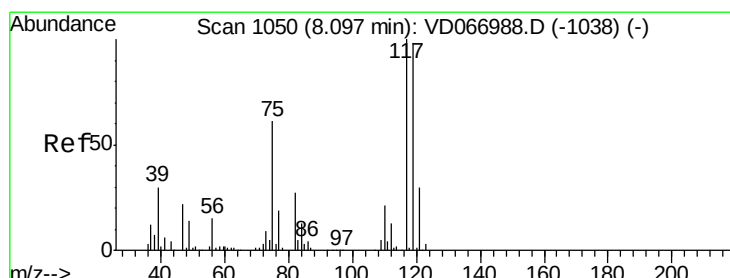
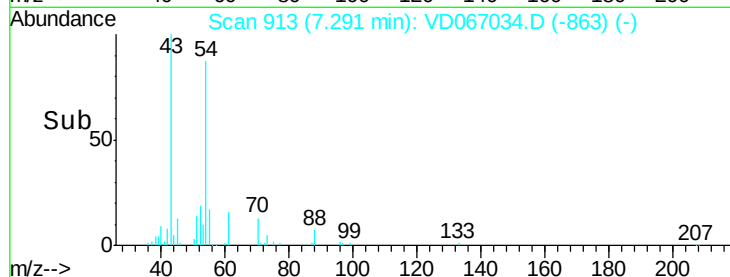
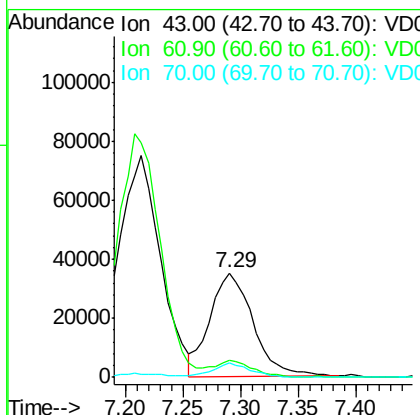
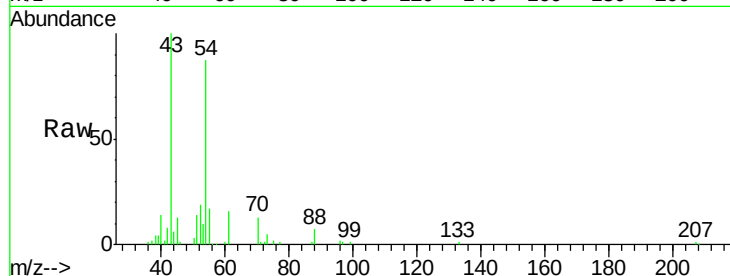
#37
Ethyl Acetate
Concen: 65.695 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	12.5	18.7
70	12.1	9.4	14.0

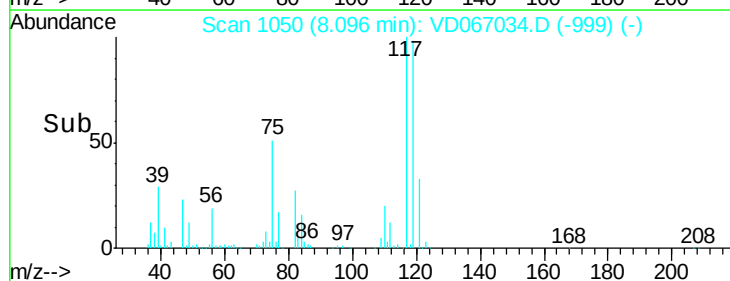
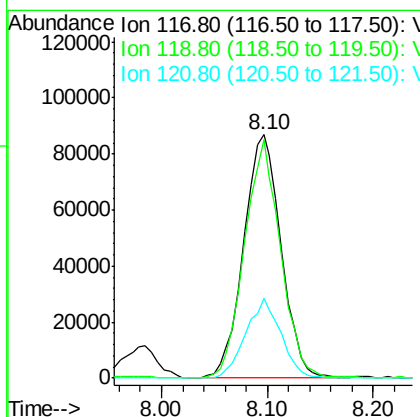
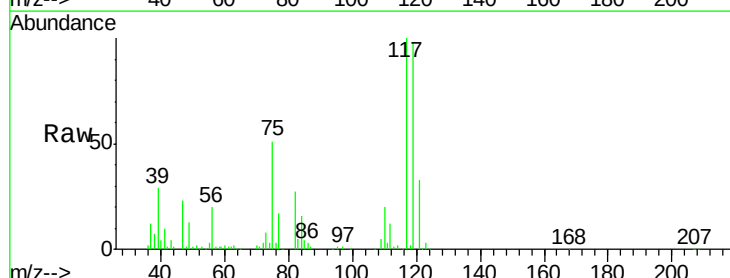
Manual Integrations
APPROVED

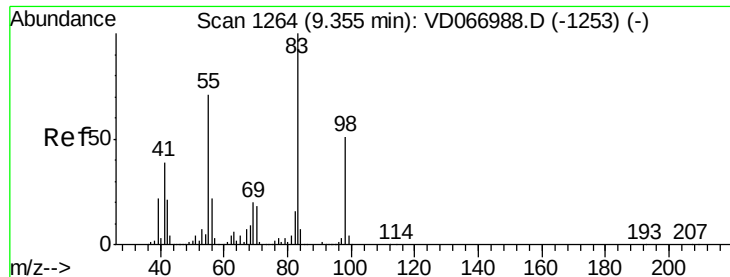
MMDadoda
10/5/2020 5:34:28 PM



#38
Carbon Tetrachloride
Concen: 49.440 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	78.7	118.1
121	32.7	24.2	36.2





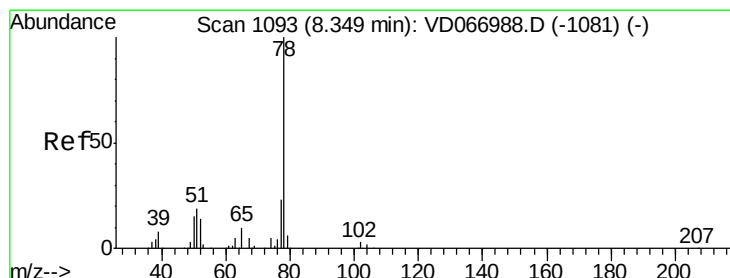
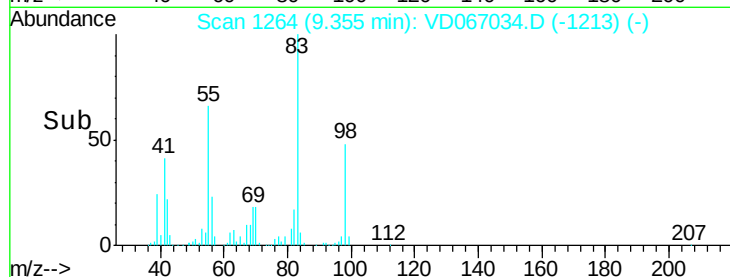
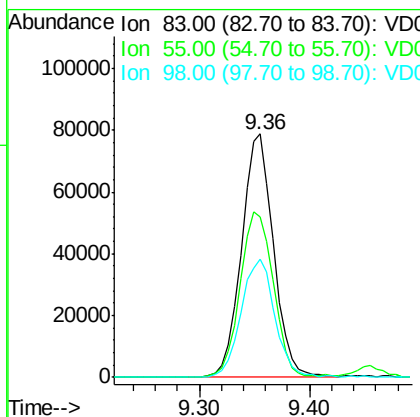
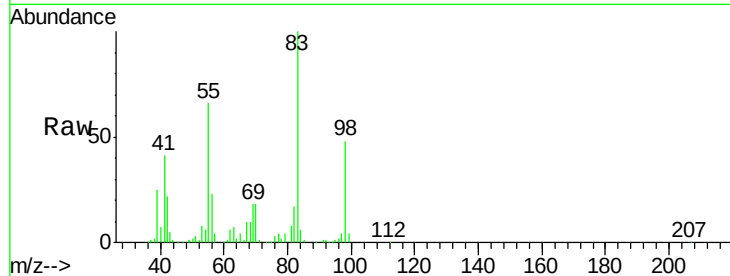
#39
Methylvlcyclohexane
Concen: 38.027 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.1	57.1	85.7
98	48.4	40.9	61.3

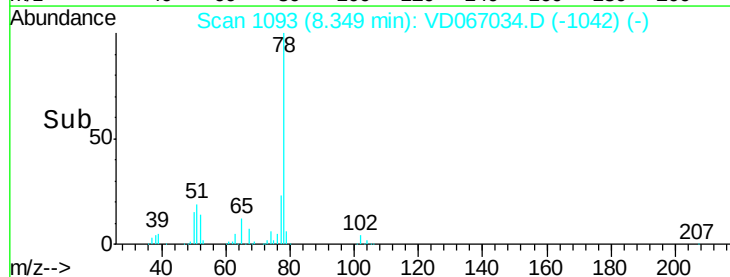
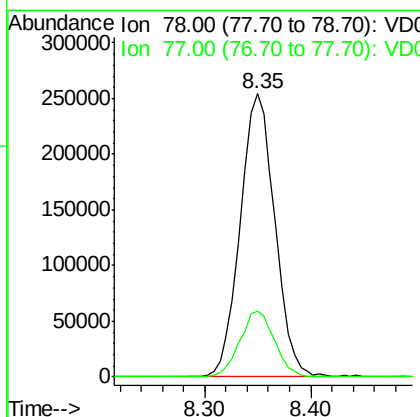
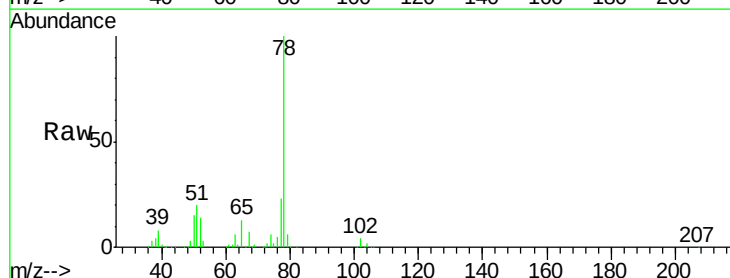
Manual Integrations
APPROVED

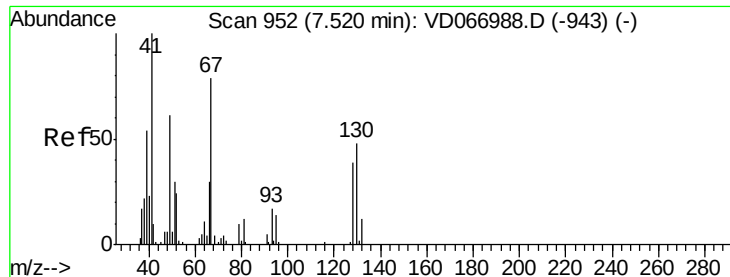
MMDadoda
10/5/2020 5:34:28 PM



#40
Benzene
Concen: 52.344 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.4	27.6





#41

Methacrylonitrile

Concen: 60.832 ug/l m

RT: 7.53 min Scan# 953

Delta R.T. 0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion: 41 Resp: 45391

Ion Ratio Lower Upper

41 100

39 54.8 0.0 0.0#

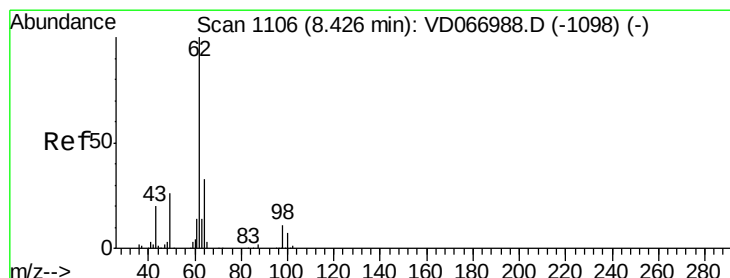
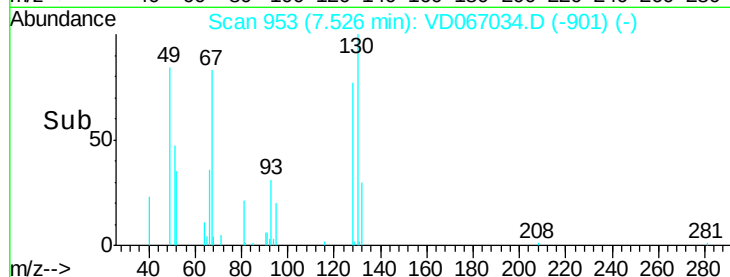
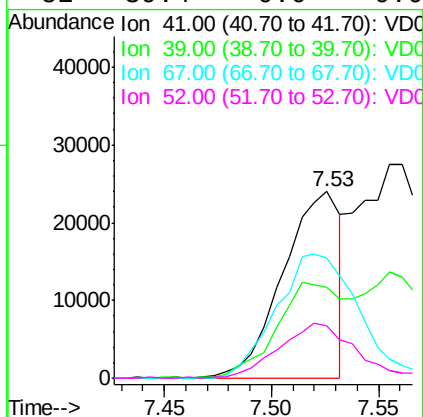
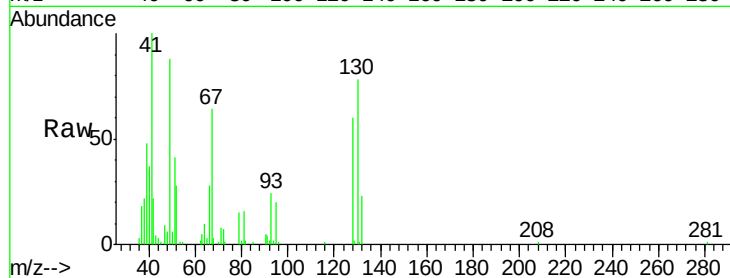
67 94.2 0.0 0.0#

52 39.4 0.0 0.0#

Manual Integrations
APPROVED

MMDadoda

10/5/2020 5:34:28 PM



#42

1,2-Dichloroethane

Concen: 60.798 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VD067034.D

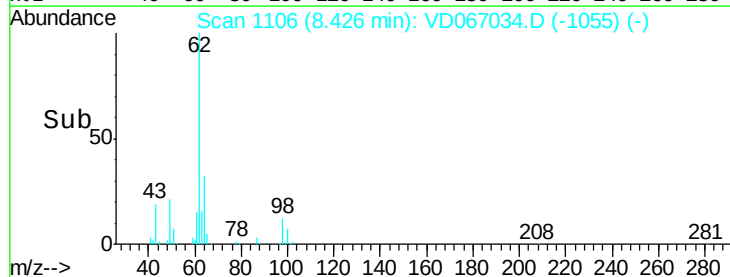
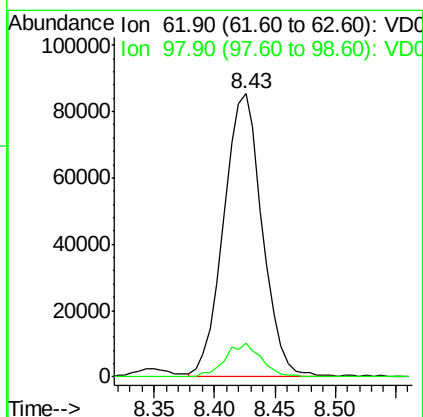
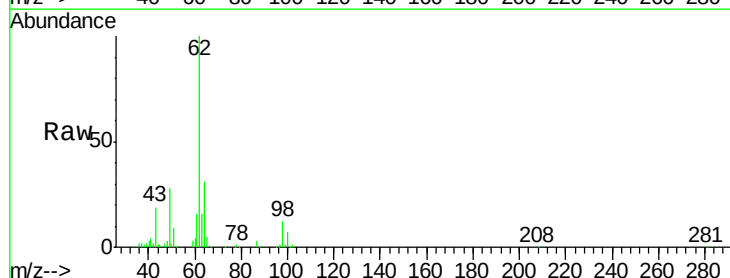
Acq: 02 Oct 2020 14:37

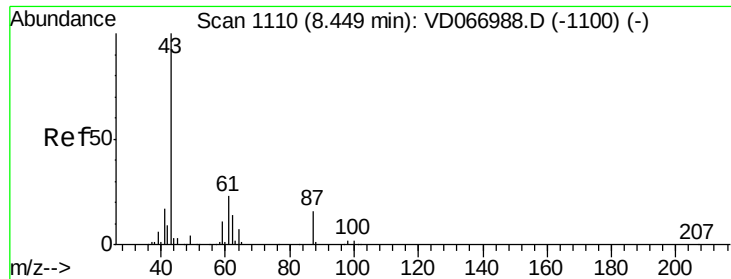
Tgt Ion: 62 Resp: 188132

Ion Ratio Lower Upper

62 100

98 11.3 0.0 22.6





#43

Isopropyl Acetate

Concen: 67.297 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

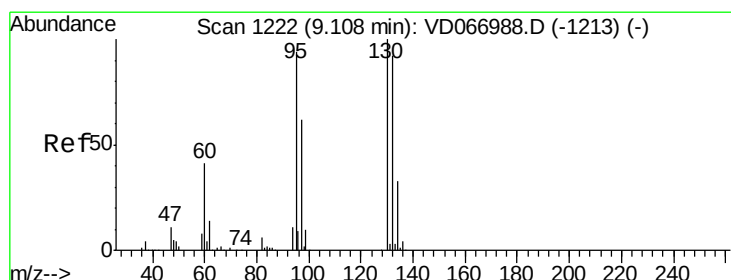
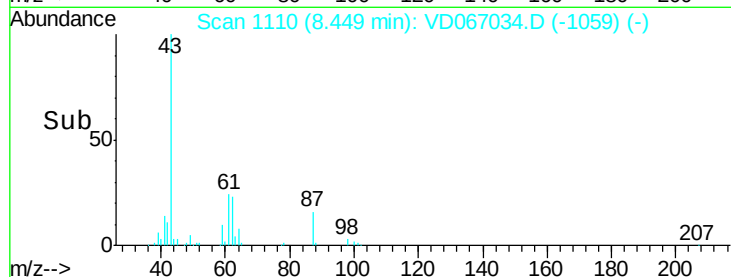
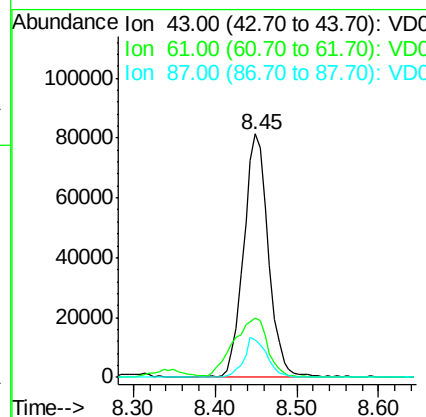
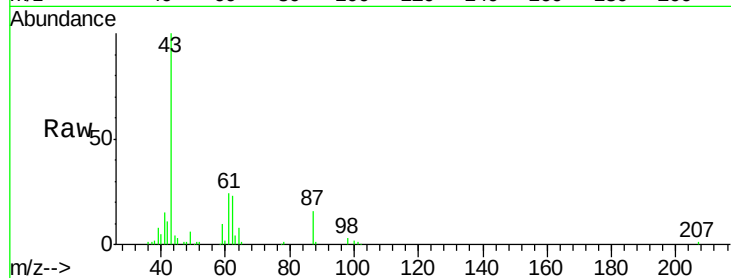
ClientSampled :

B-15(3-4)MS

Tot Ion:	43	Resp:	171232
Ion	Ratio	Lower	Upper
43	100		
61	34.2	27.1	40.7
87	15.2	12.3	18.5

Manual Integrations
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MMDadoda
10/5/2020 5:34:28 PM



#44

Trichloroethene

Concen: 47.817 ug/l

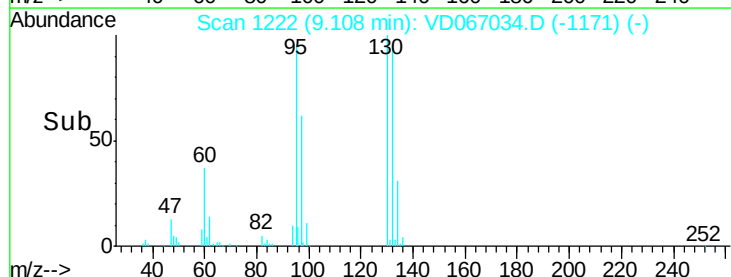
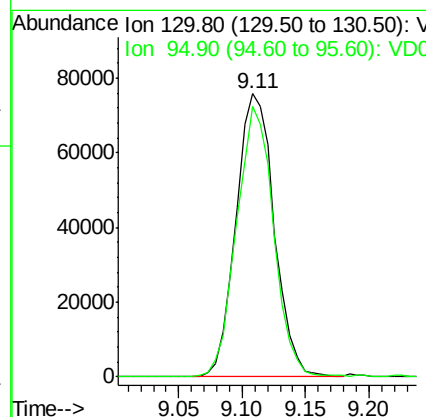
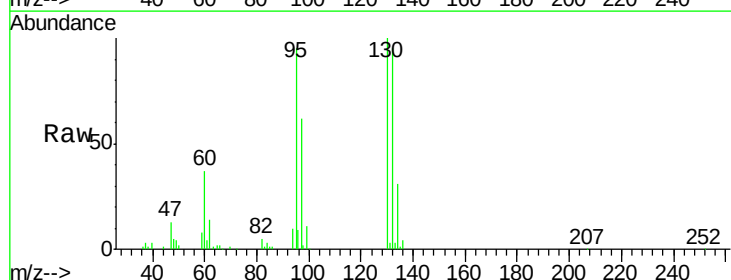
RT: 9.11 min Scan# 1222

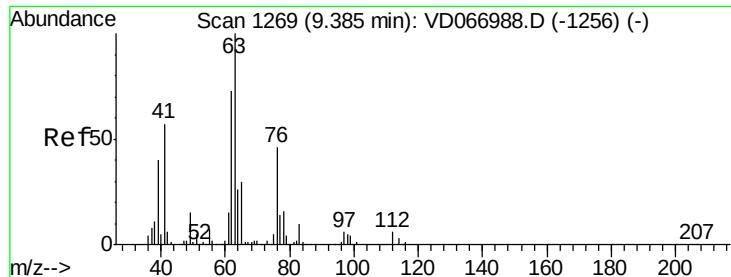
Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Tgt Ion:	130	Resp:	158118
Ion	Ratio	Lower	Upper
130	100		
95	95.4	0.0	187.8





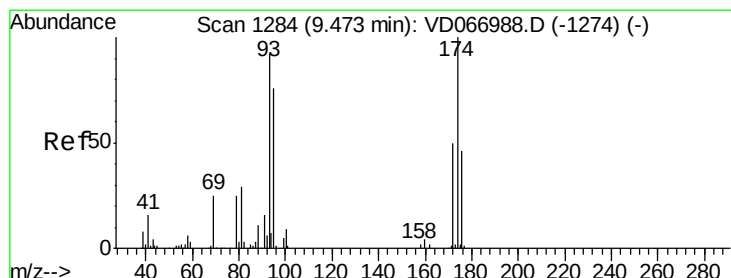
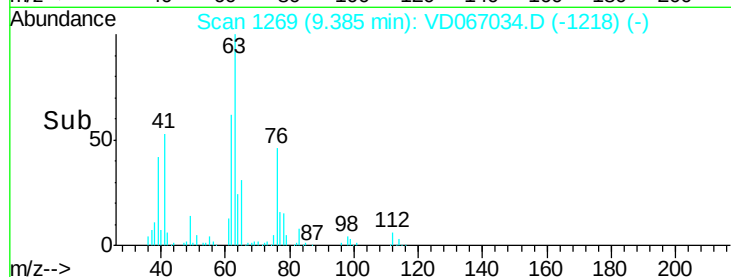
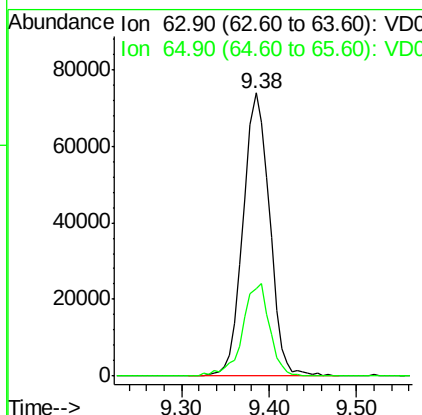
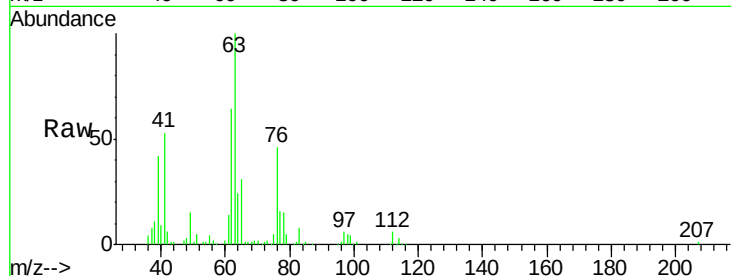
#45
 1,2-Dichloropropane
 Concen: 57.962 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	63	Resp	150814
Ion Ratio	Lower	Upper	
63	100		
65	31.0	23.7	35.5

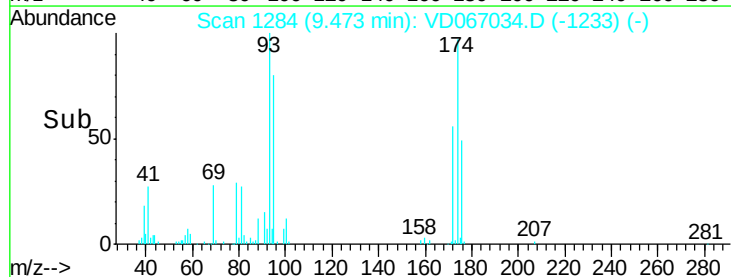
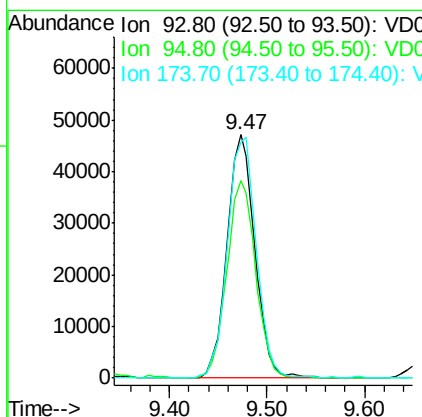
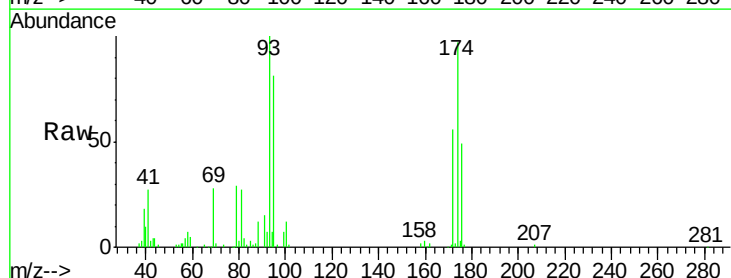
Manual Integrations
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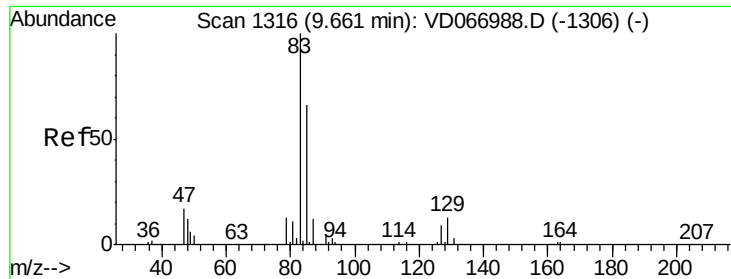
MMDadoda
 10/5/2020 5:34:28 PM



#46
 Dibromomethane
 Concen: 62.385 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	93	Resp	93294
Ion Ratio	Lower	Upper	
93	100		
95	84.2	64.7	97.1
174	103.0	81.4	122.2





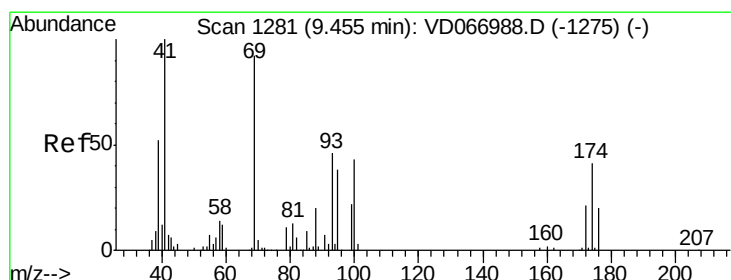
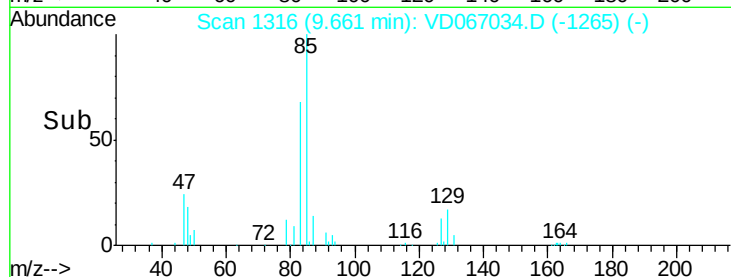
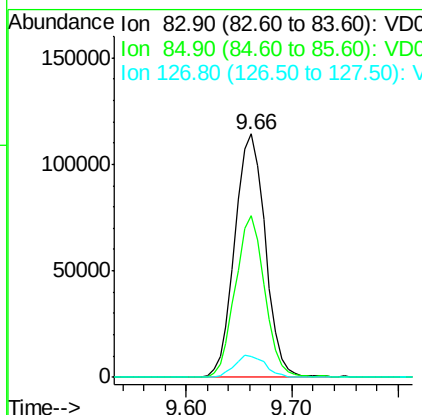
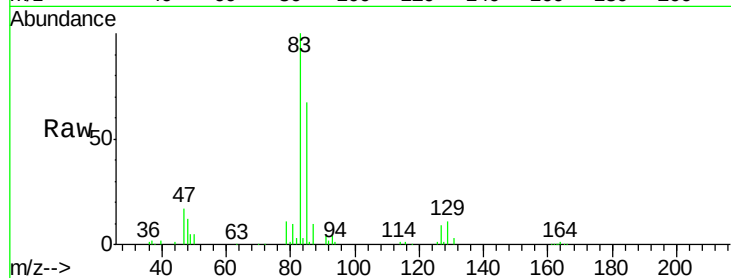
#47
Bromodichloromethane
Concen: 58.945 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
83	100	229141		
85	66.5	52.9	79.3	
127	8.6	7.3	10.9	

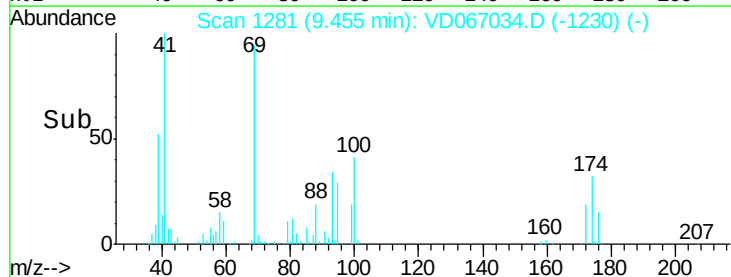
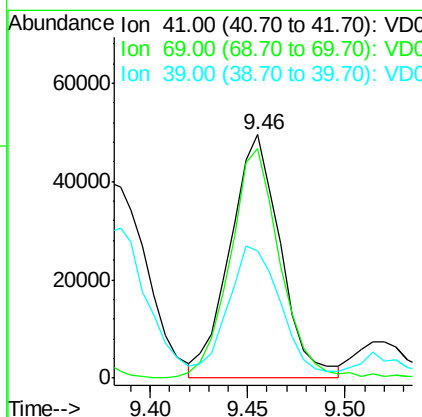
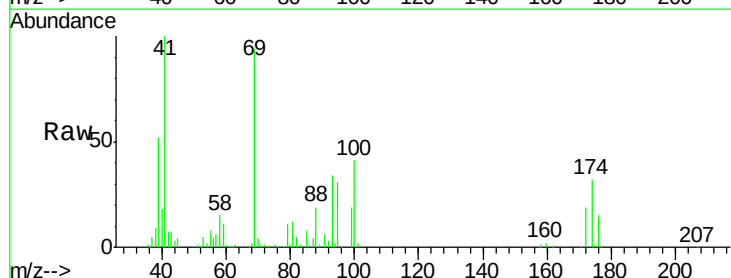
Manual Integrations
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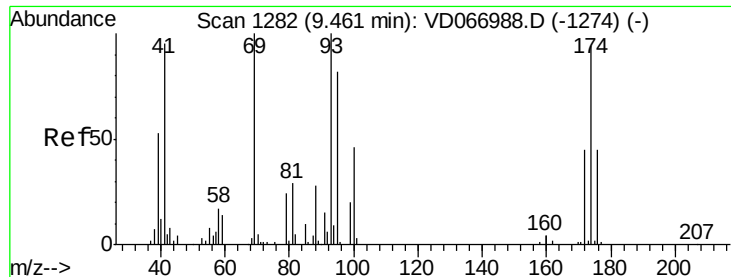
MMDadoda
10/5/2020 5:34:28 PM



#48
Methyl methacrylate
Concen: 67.929 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	88548		
69	94.5	68.5	102.7	
39	58.0	40.2	60.2	





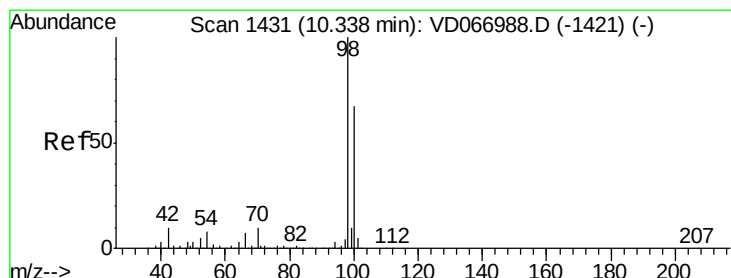
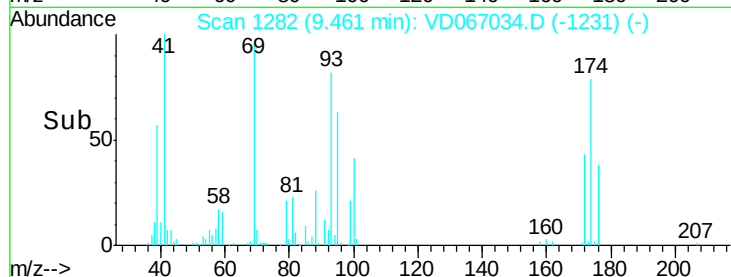
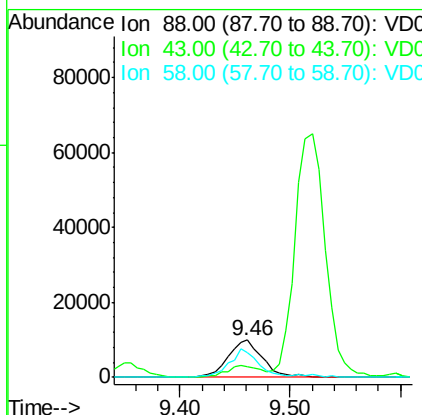
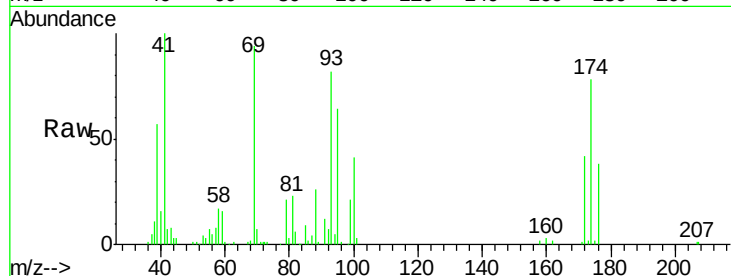
#49
1,4-Dioxane
Concen: 1399.098 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.6	38.4
58	64.5	53.5	80.3

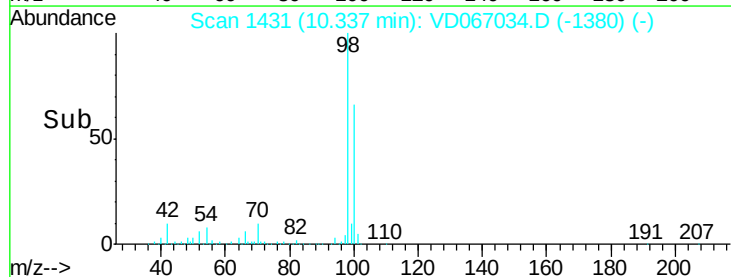
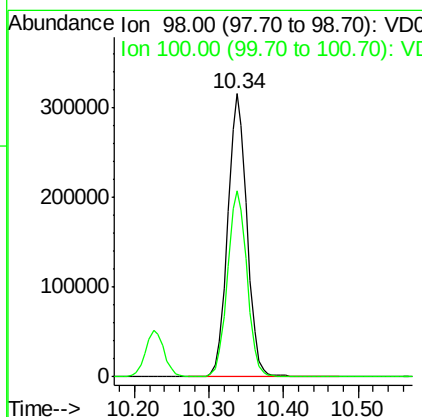
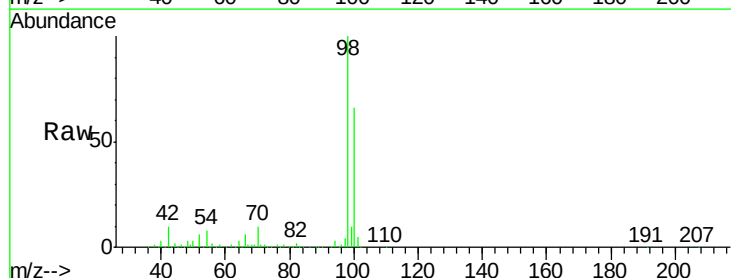
Manual Integrations
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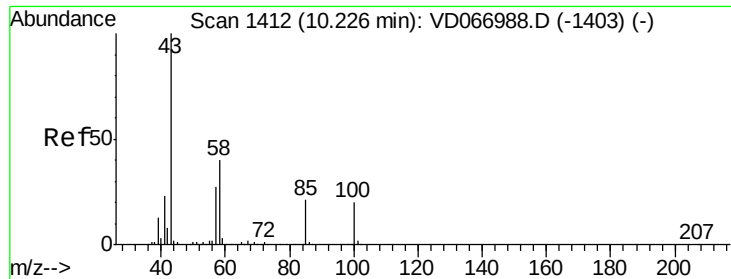
MMDadoda
10/5/2020 5:34:28 PM



#50
Toluene-d8
Concen: 55.572 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.7	52.8	79.2





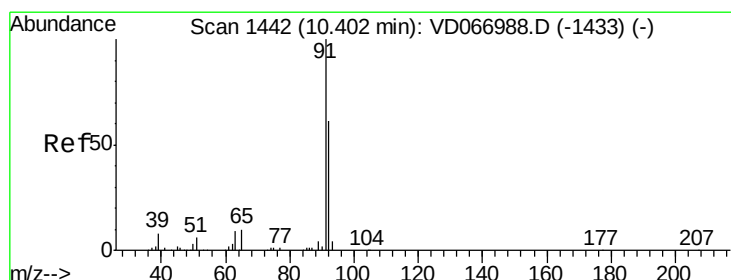
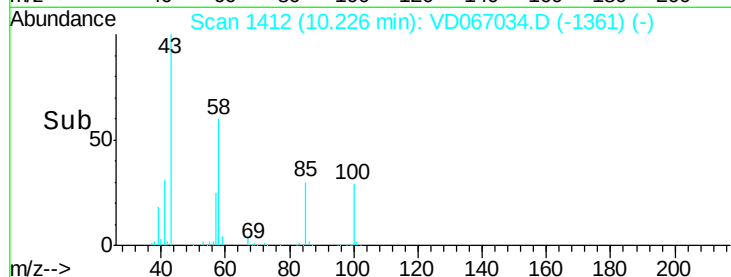
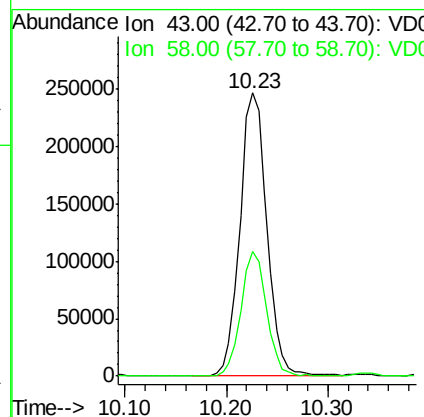
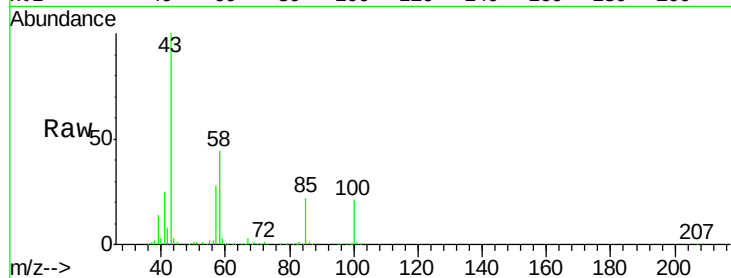
#51
4-Methyl-2-Pentanone
Concen: 359.593 ug/l
RT: 10.23 min Scan# 1412
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	43	Resp	455739
Ion Ratio	100	Lower	Upper
43	100		
58	42.1	33.8	50.8

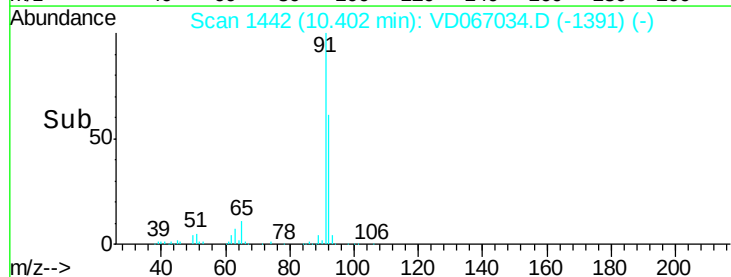
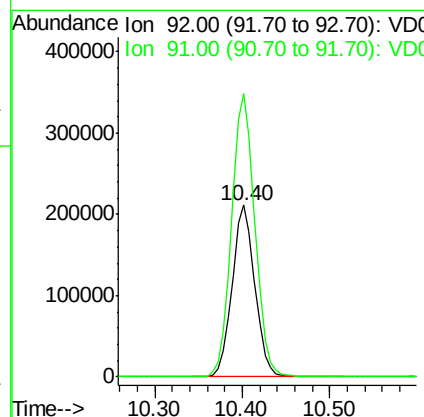
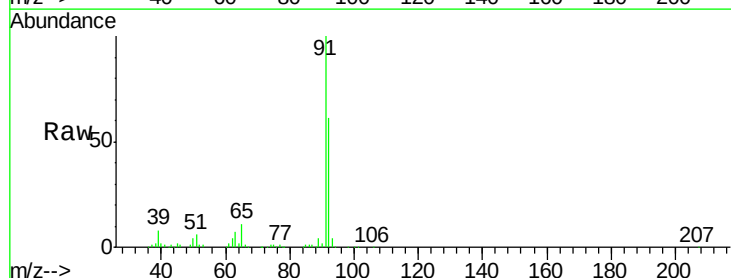
Manual Integrations
APPROVED

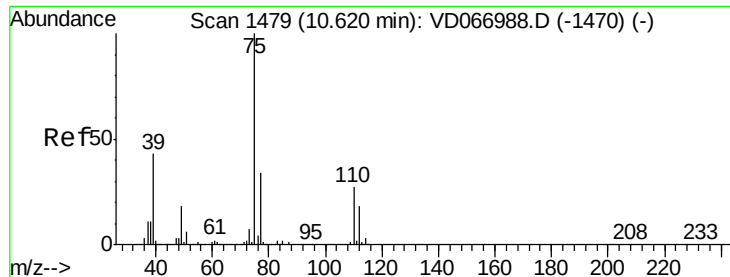
MMDadoda
10/5/2020 5:34:28 PM



#52
Toluene
Concen: 52.445 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	92	Resp	374115
Ion Ratio	100	Lower	Upper
92	100		
91	169.1	135.1	202.7





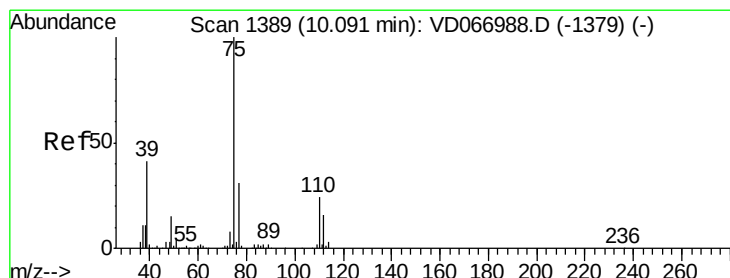
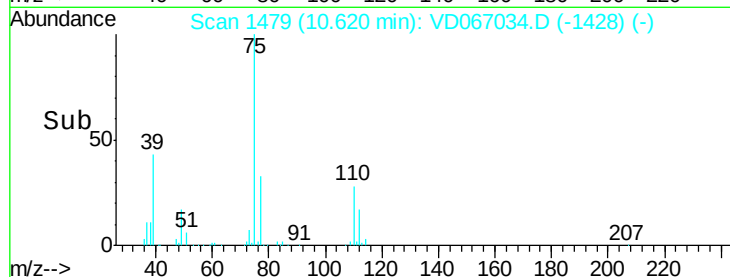
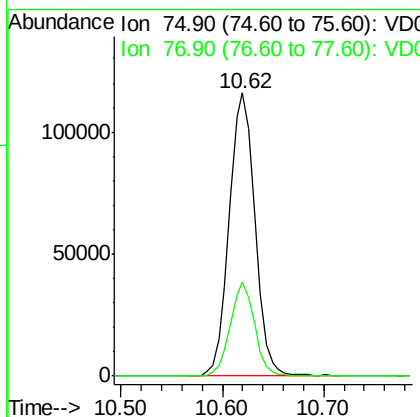
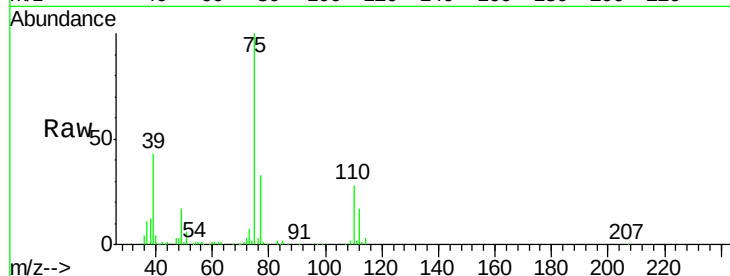
#53
 t-1,3-Dichloropropene
 Concen: 59.077 ug/l
 RT: 10.62 min Scan# 1479
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.2	27.1	40.7

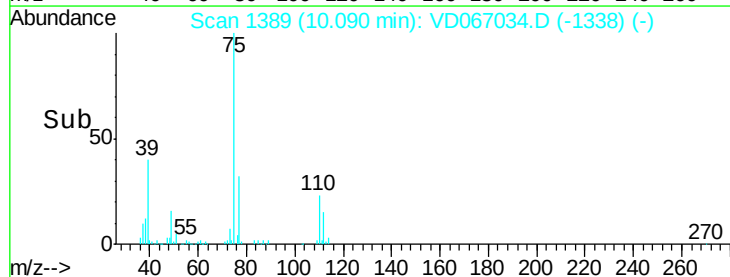
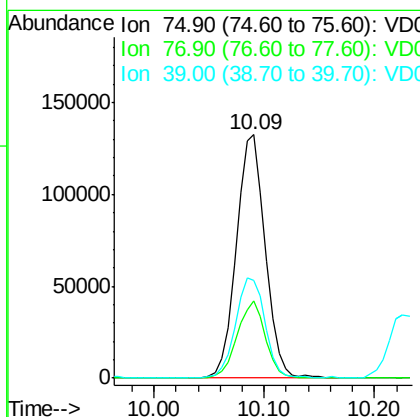
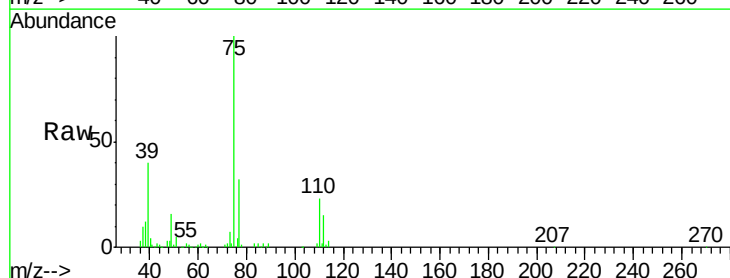
Manual Integrations
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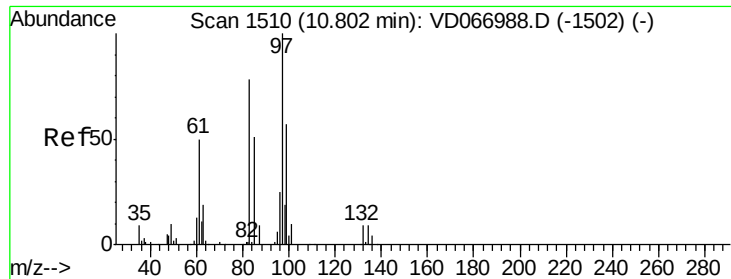
MMDadoda
 10/5/2020 5:34:28 PM



#54
 cis-1,3-Dichloropropene
 Concen: 57.494 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.7	24.6	37.0
39	39.8	33.0	49.4





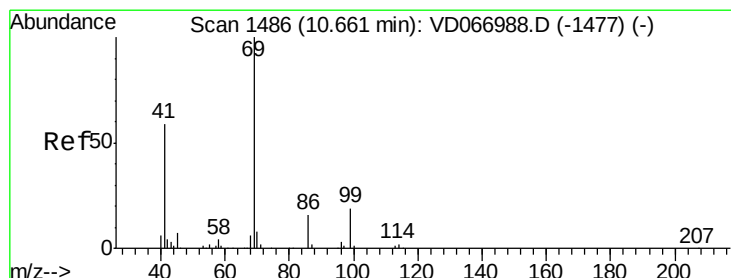
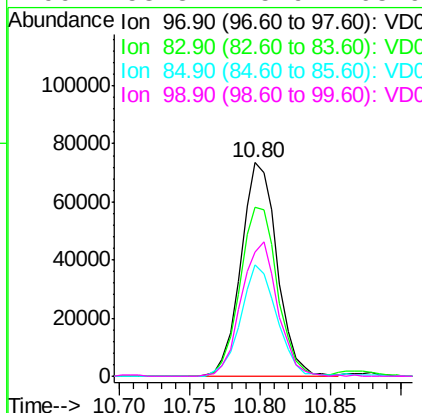
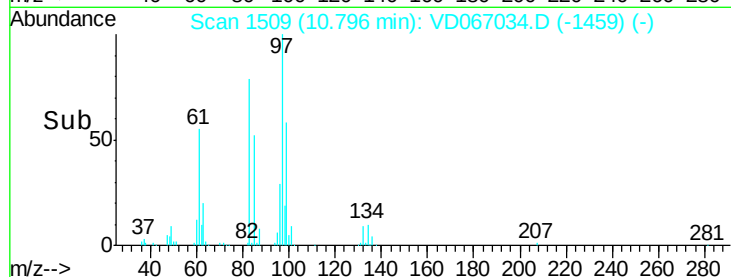
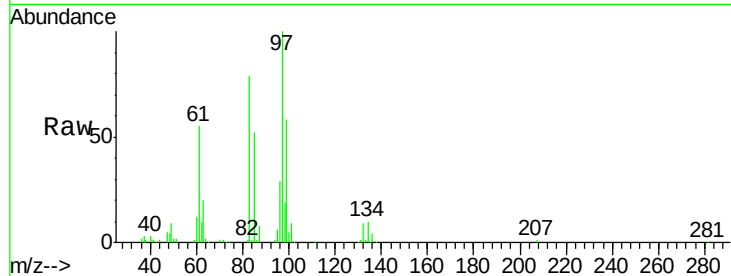
#55
 1,1,2-Trichloroethane
 Concen: 63.453 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		131928		
83	79.2	62.4	93.6		
85	52.3	41.0	61.4		
99	58.3	45.9	68.9		

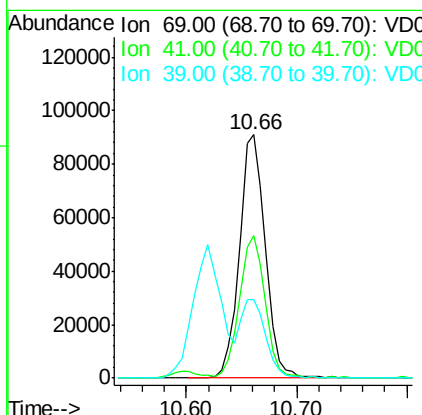
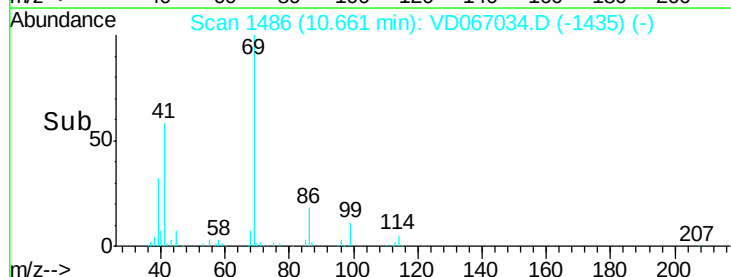
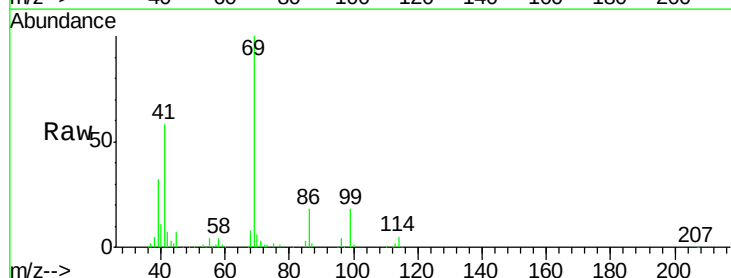
Manual Integrations
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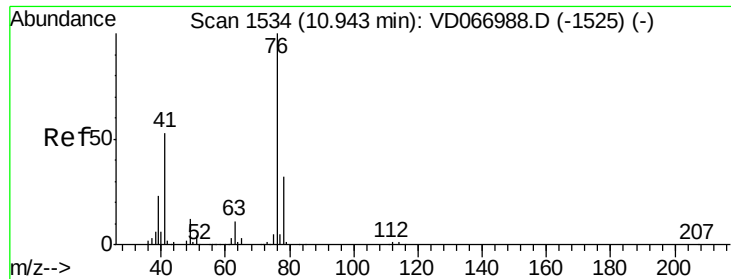
MMDadoda
 10/5/2020 5:34:28 PM



#56
 Ethyl methacrylate
 Concen: 69.868 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		149978		
41	58.6	46.4	69.6		
39	31.0	23.8	35.6		





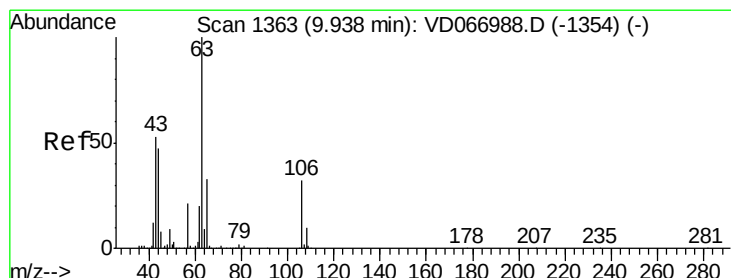
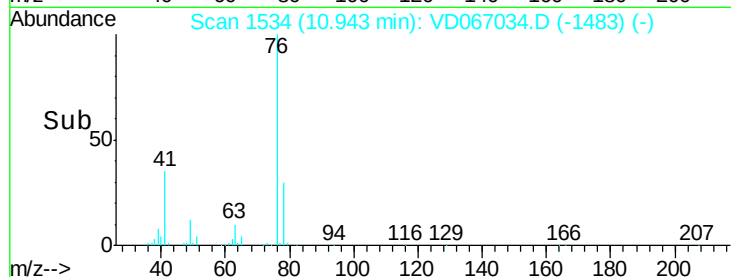
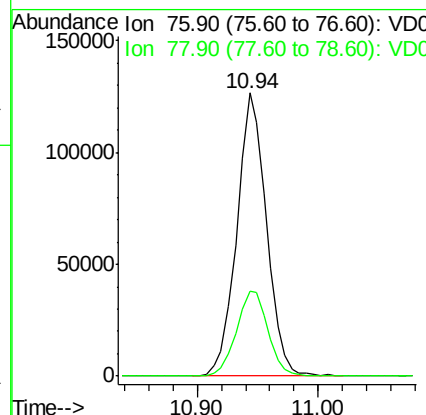
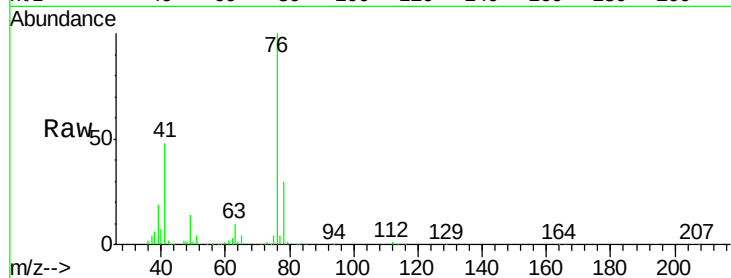
#57
 1,3-Dichloropropane
 Concen: 64.151 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.8

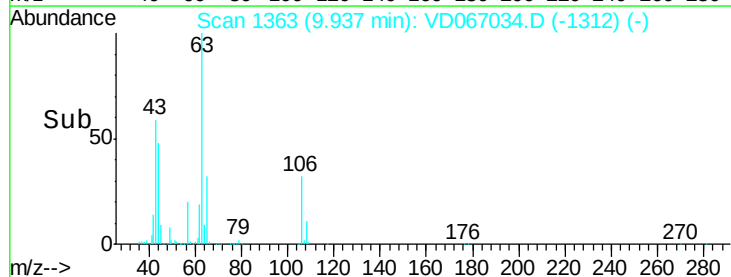
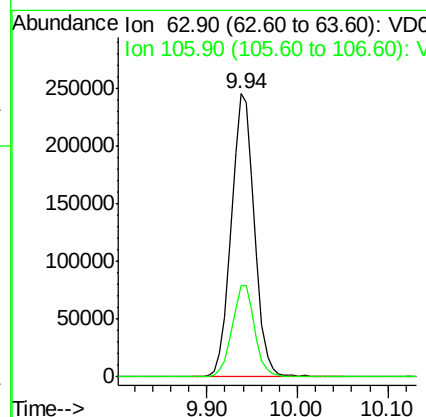
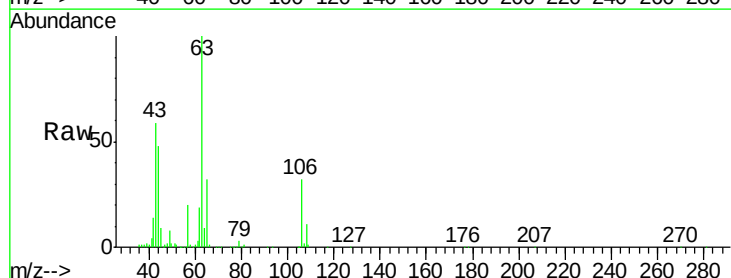
Manual Integrations
 APPROVED

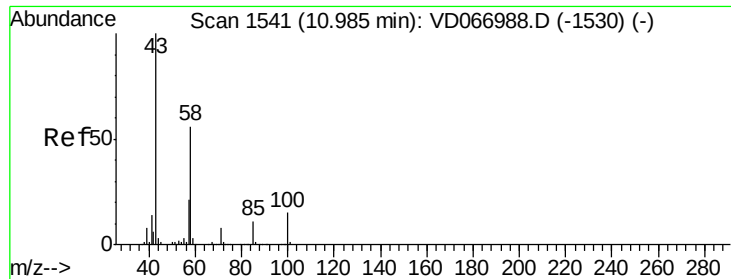
MMDadoda
 10/5/2020 5:34:28 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 363.419 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.9	25.3	37.9





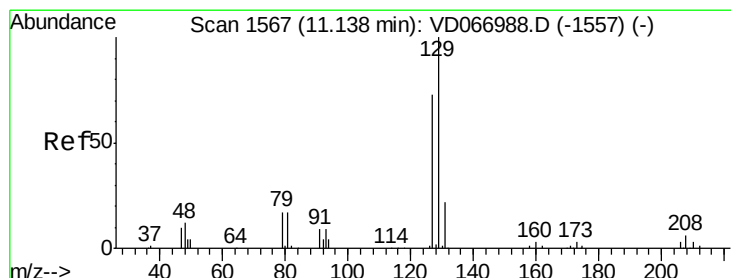
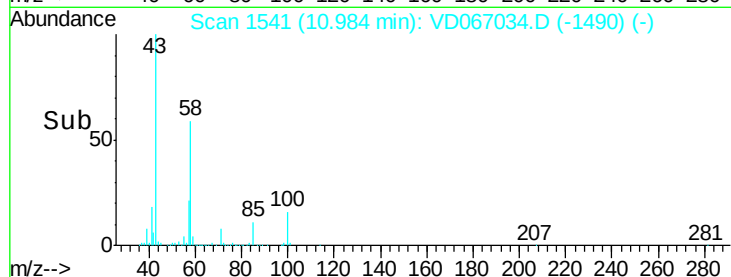
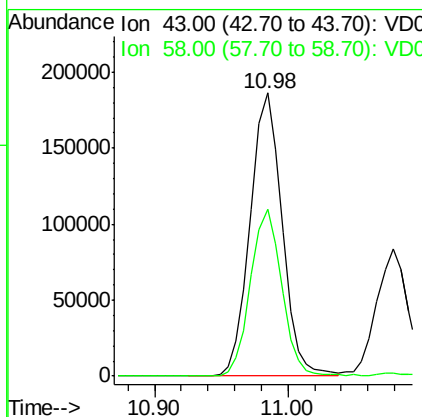
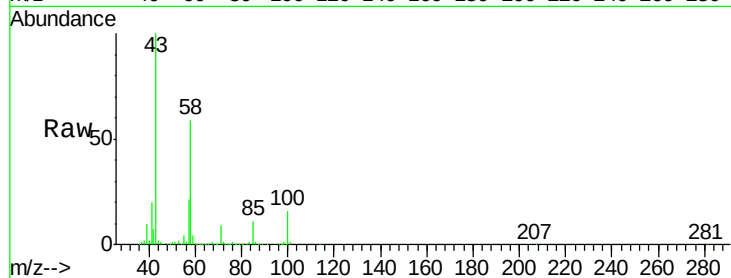
#59
2-Hexanone
Concen: 364.551 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion: 43 Resp: 308373
Ion Ratio Lower Upper
43 100
58 57.8 28.3 84.9

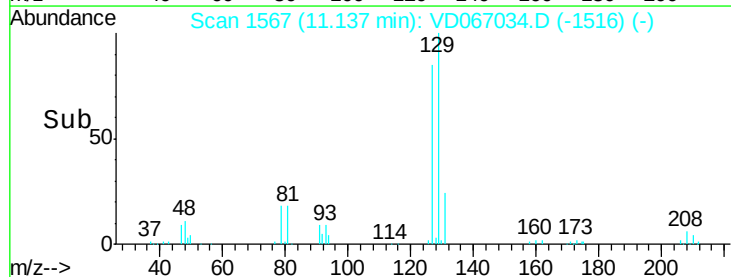
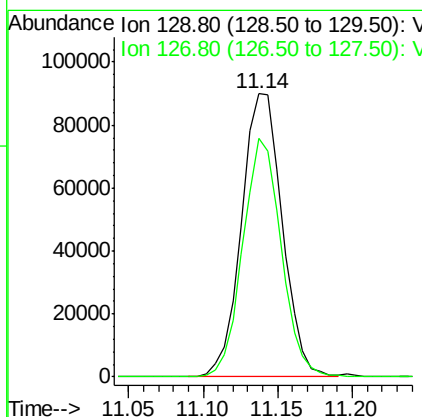
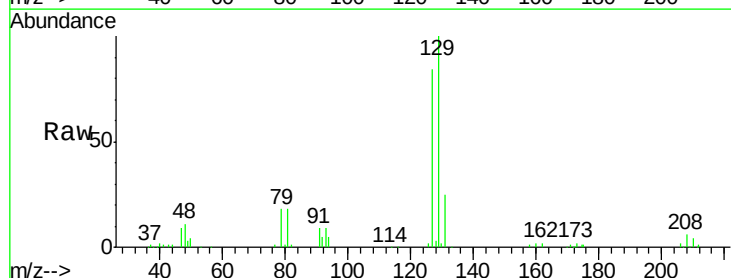
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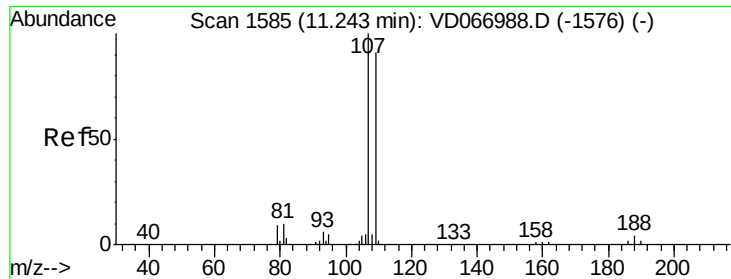
MMDadoda
10/5/2020 5:34:28 PM



#60
Dibromochloromethane
Concen: 61.388 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion:129 Resp: 170117
Ion Ratio Lower Upper
129 100
127 79.5 37.4 112.1





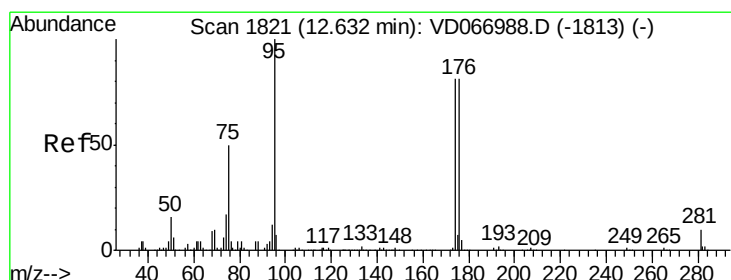
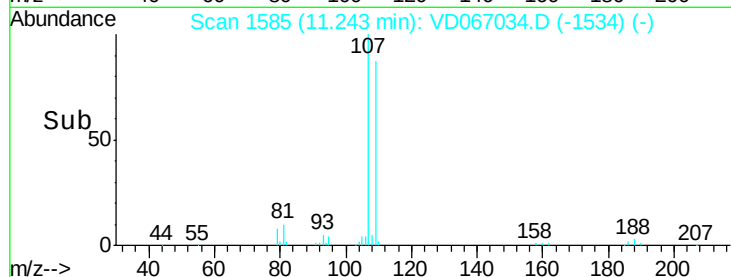
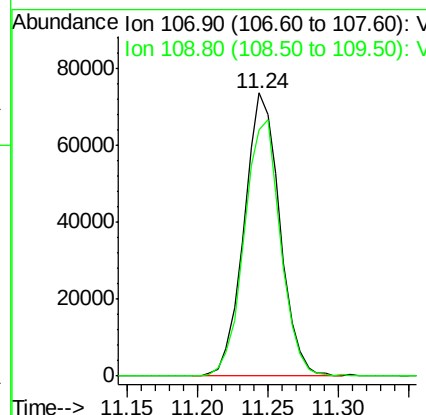
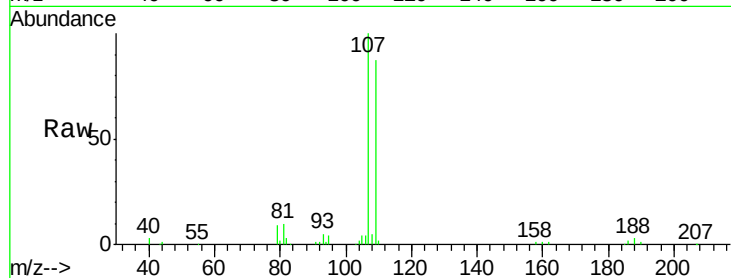
#61
 1,2-Dibromoethane
 Concen: 65.434 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.8	74.0	111.0

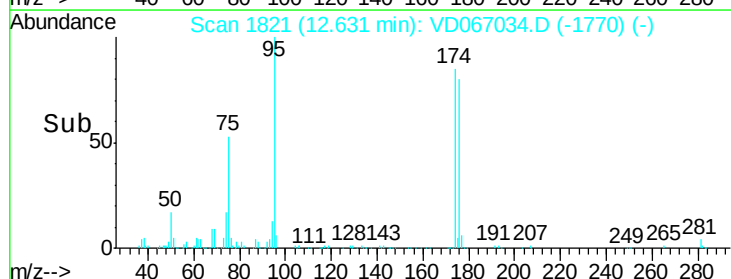
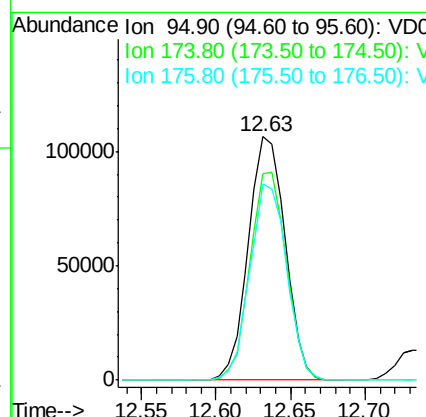
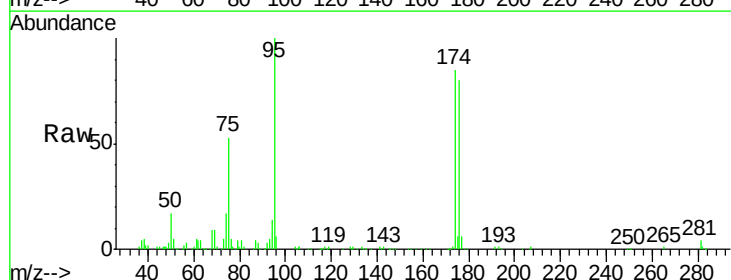
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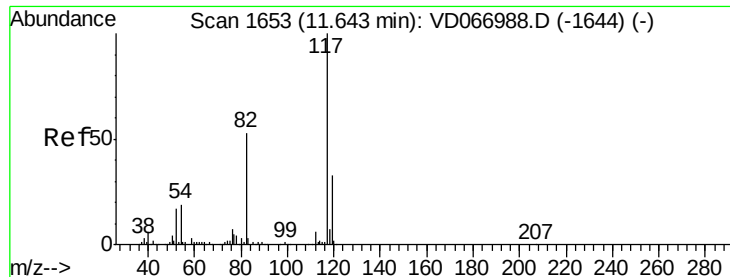
MMDadoda
 10/5/2020 5:34:28 PM



#62
 4-Bromofluorobenzene
 Concen: 52.563 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
95	100		
174	84.1	0.0	167.6
176	80.6	0.0	162.4





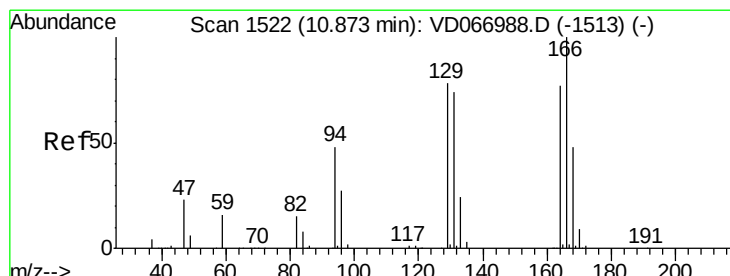
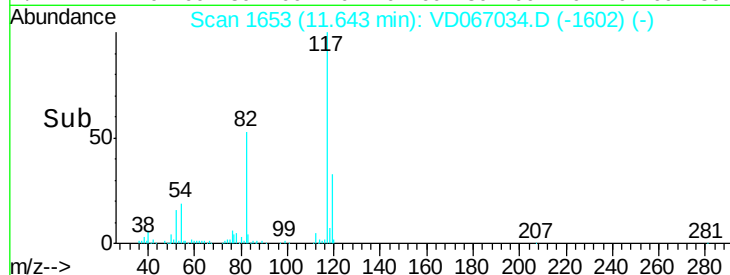
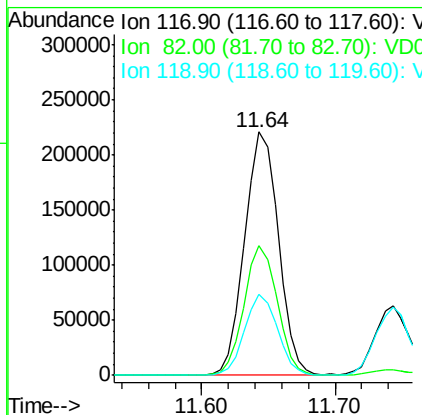
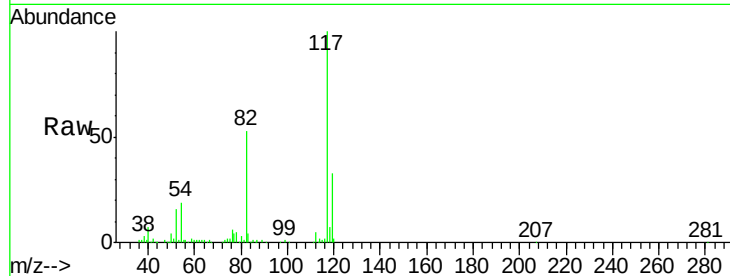
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampled :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.2	42.6	63.8
119	33.1	26.3	39.5

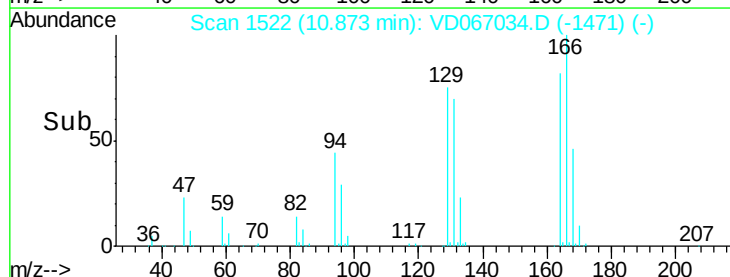
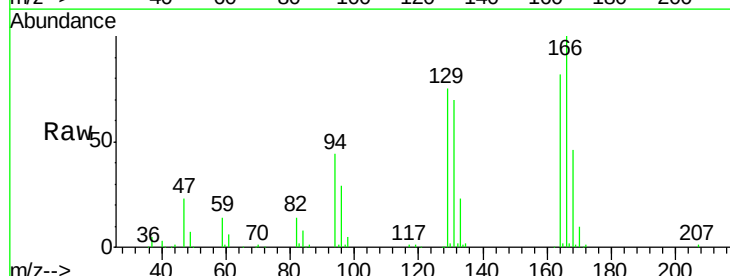
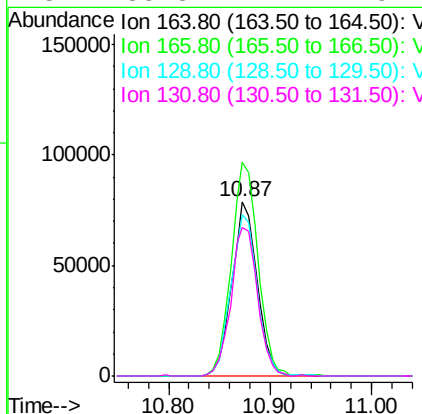
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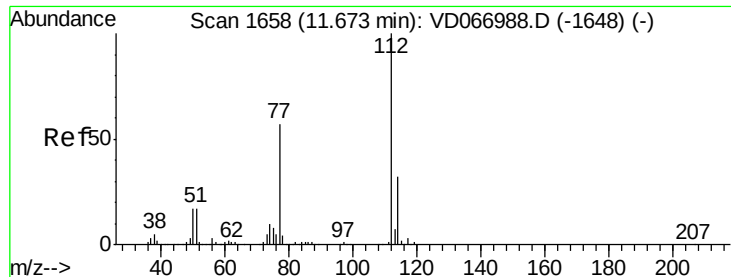
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#64
Tetrachloroethene
Concen: 48.649 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.3	104.4	156.6
129	92.2	81.3	121.9
131	85.3	77.1	115.7





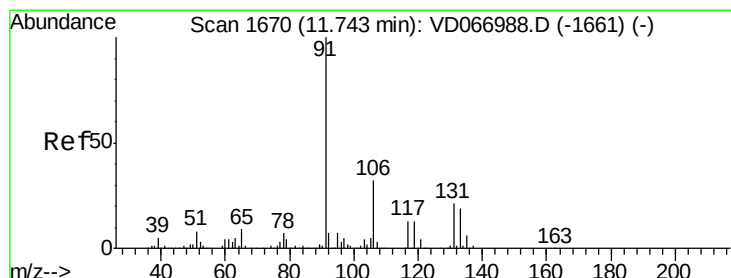
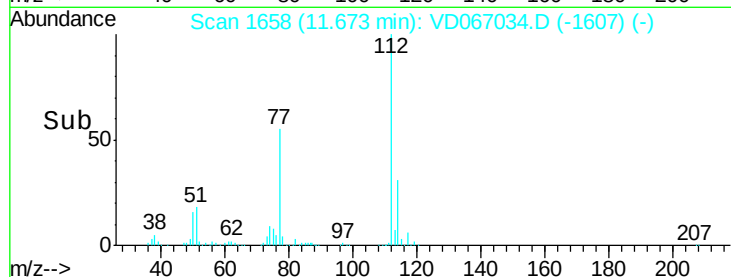
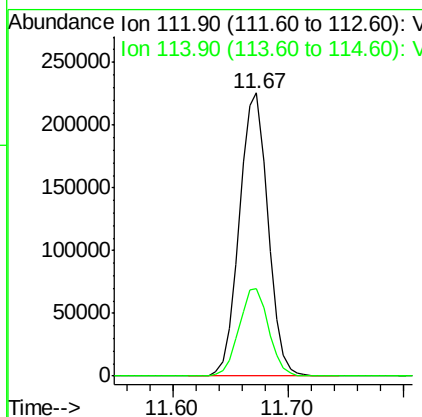
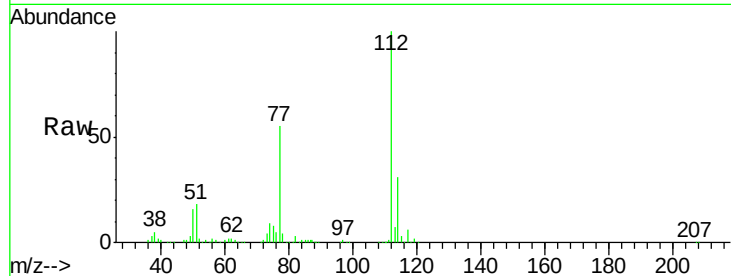
#65
Chlorobenzene
Concen: 50.227 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.4	38.0

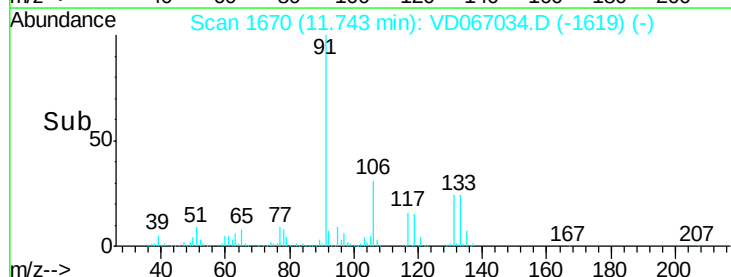
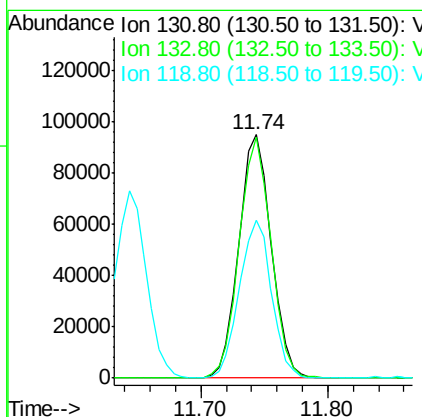
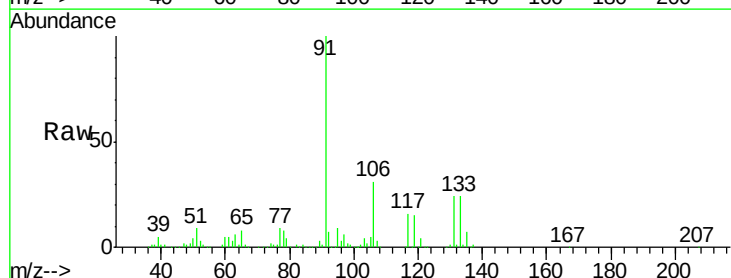
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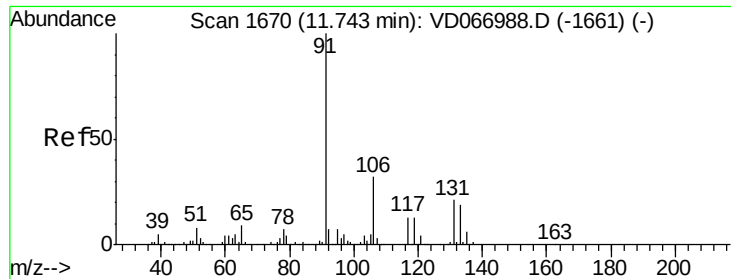
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#66
1,1,1,2-Tetrachloroethane
Concen: 57.342 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.3	47.8	143.3
119	64.8	32.3	96.8





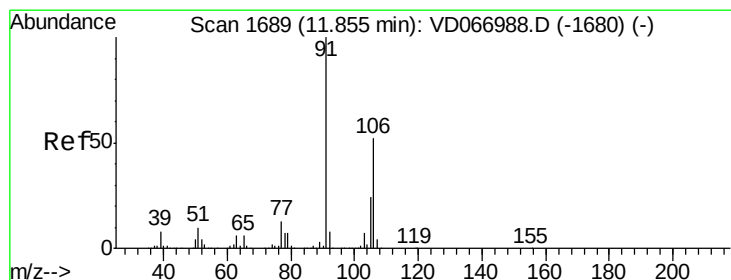
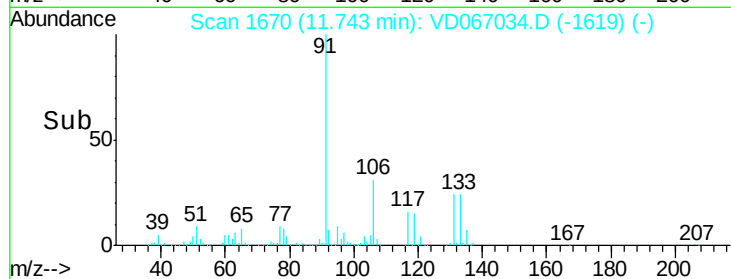
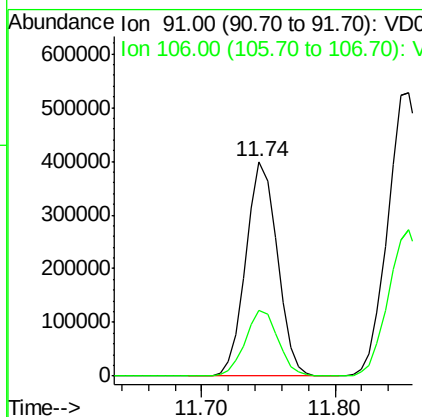
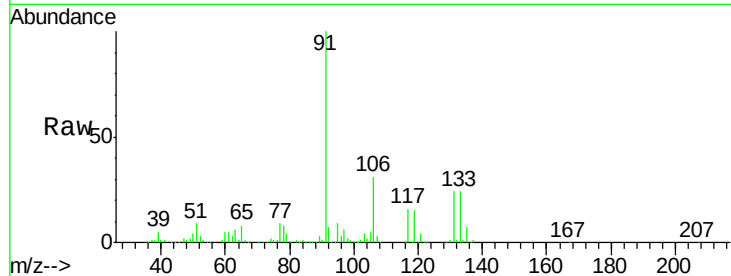
#67
Ethyl Benzene
Concen: 49.455 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.9	25.4	38.2

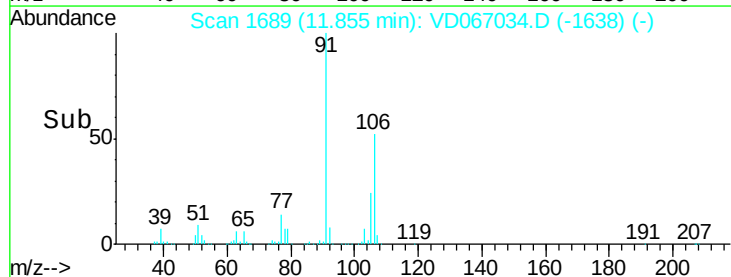
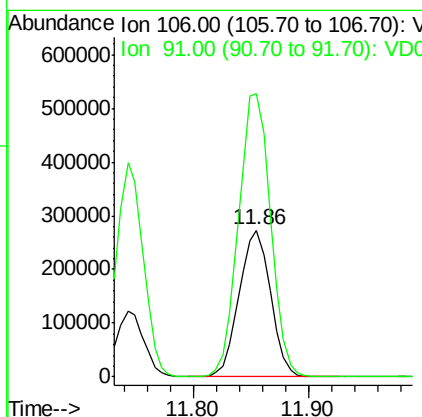
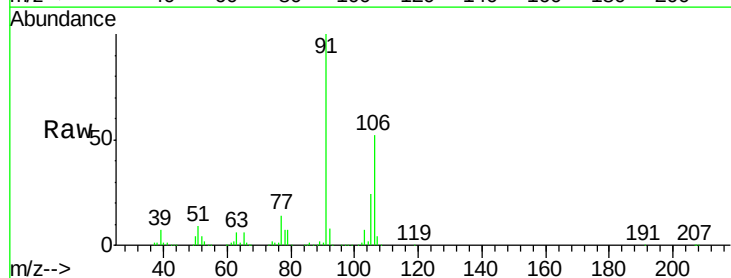
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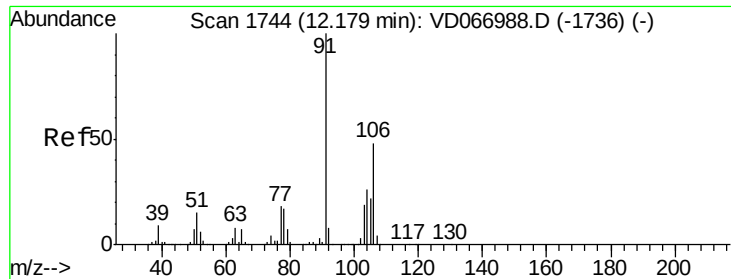
MMDadoda
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#68
m/p-Xylenes
Concen: 100.724 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
106	100		
91	196.4	158.4	237.6





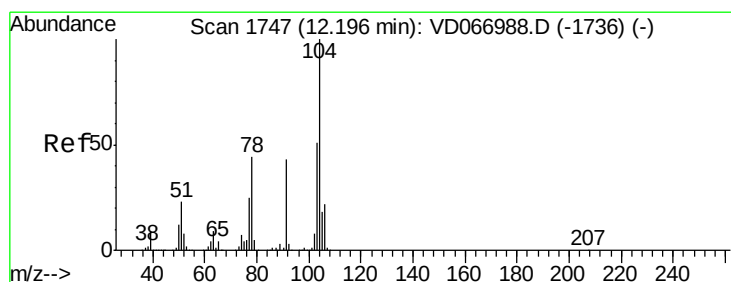
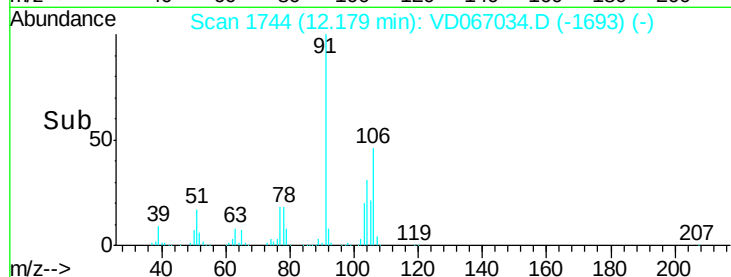
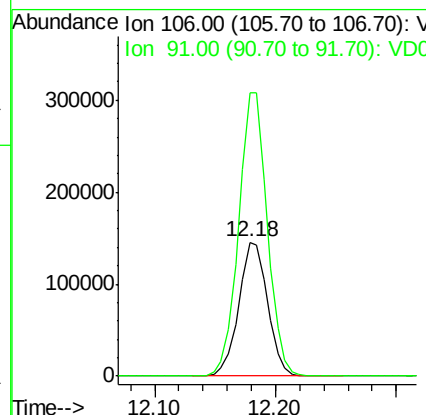
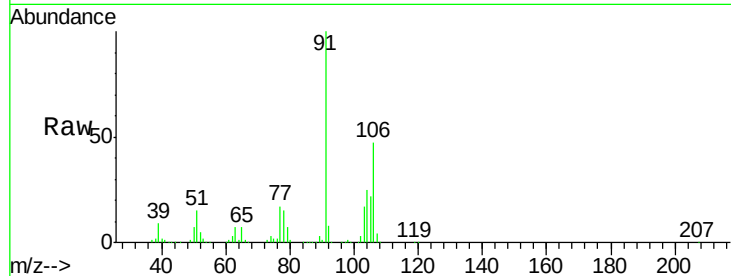
#69
o-Xylene
Concen: 52.663 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
106	100	242493		
91	209.8	102.4	307.2	

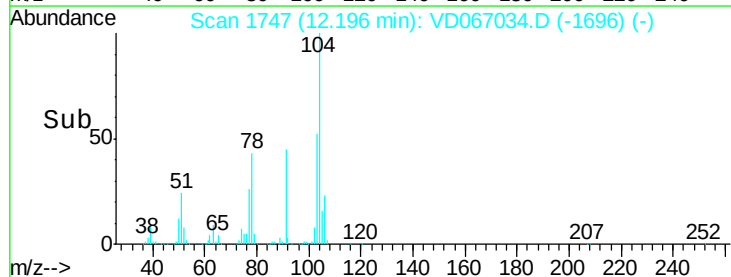
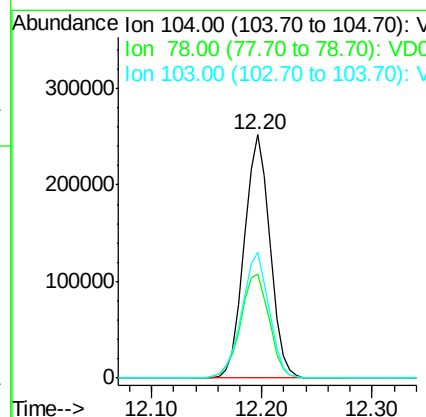
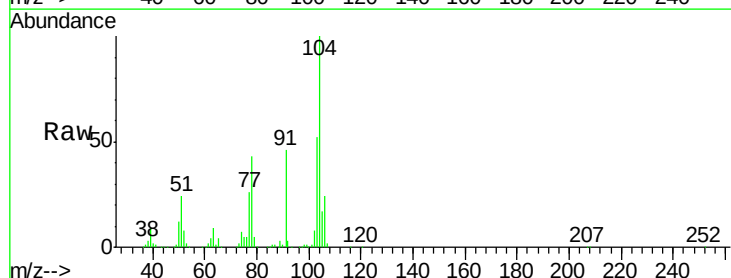
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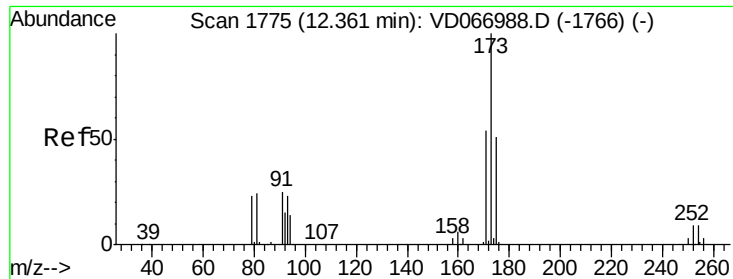
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#70
Styrene
Concen: 52.456 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	414756		
78	47.8	38.6	58.0	
103	54.7	43.4	65.0	





#71

Bromoform

Concen: 63.828 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

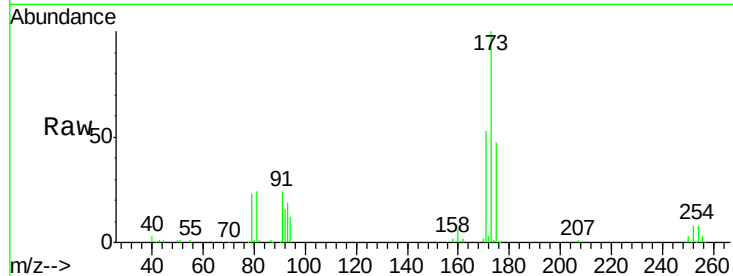
ClientSampleId :

B-15(3-4)MS

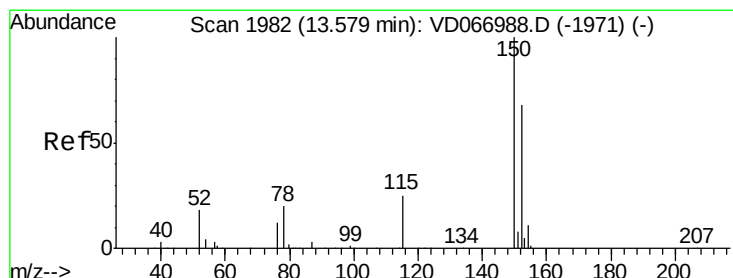
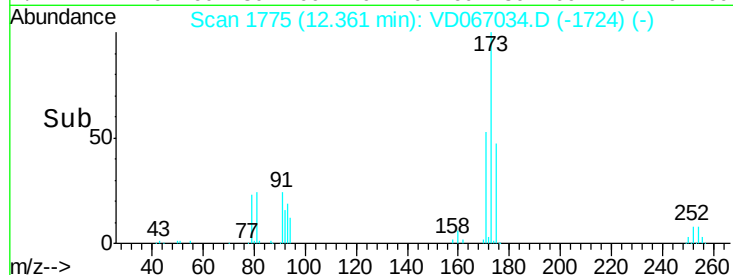
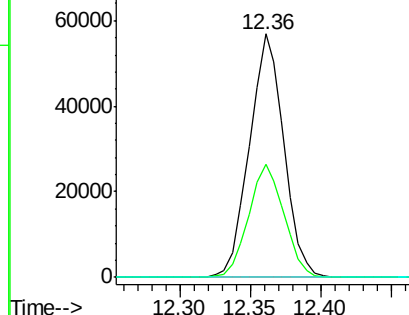
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.8	24.9	74.7
254	0.0	0.2	0.4

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

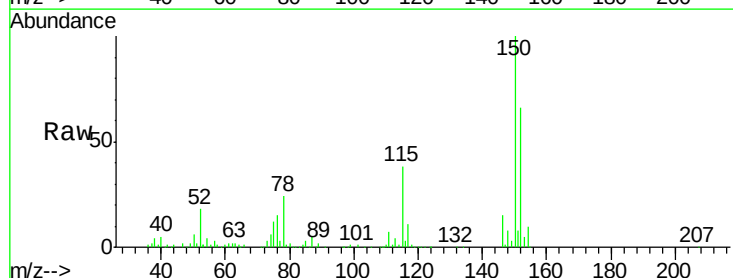
RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

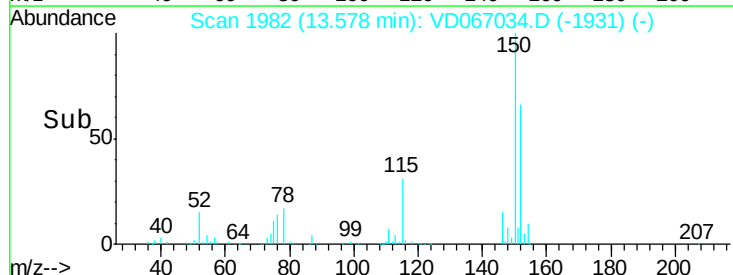
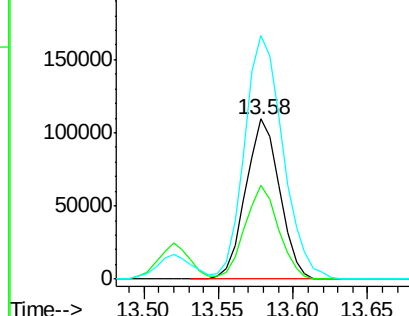
Lab File: VD067034.D

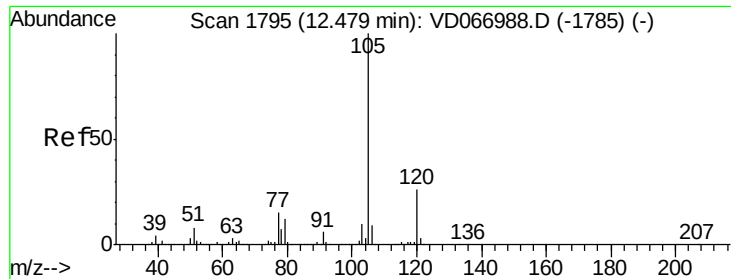
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.6	88.8
150	172.4	0.0	344.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





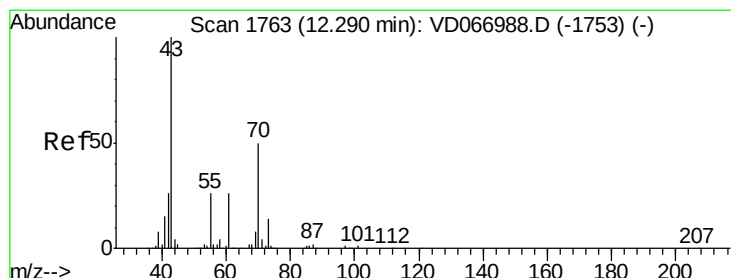
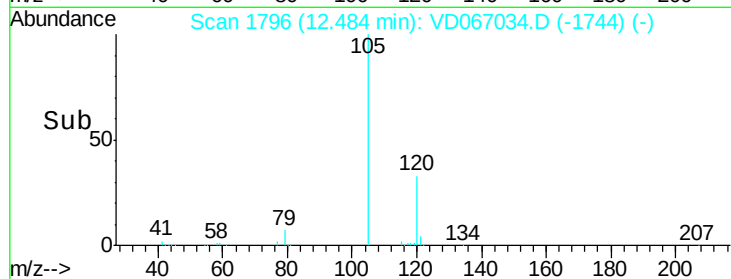
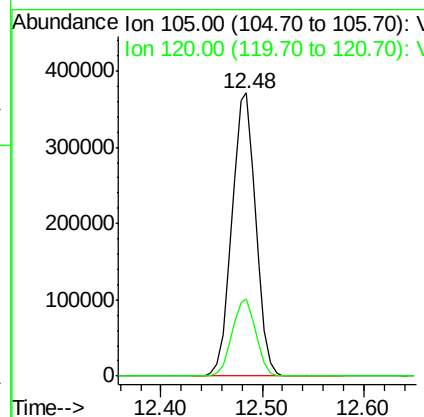
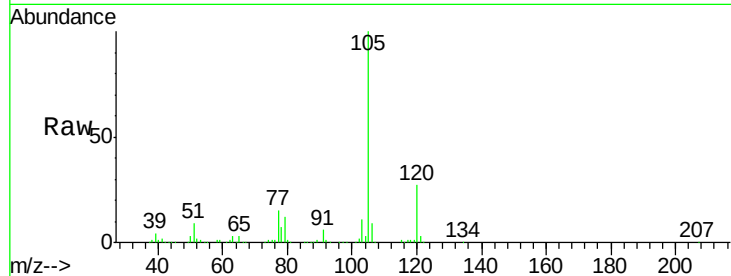
#73
Isopropylbenzene
Concen: 51.517 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.01 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
105	100	602688		
120	27.2	13.3	39.9	

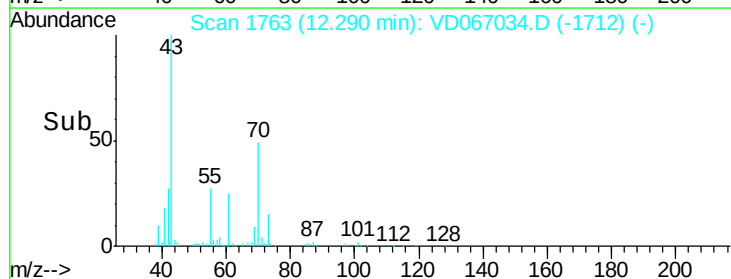
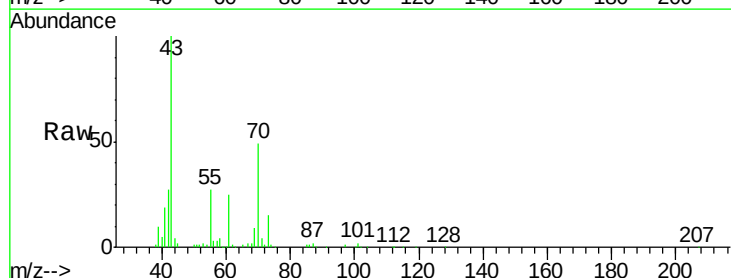
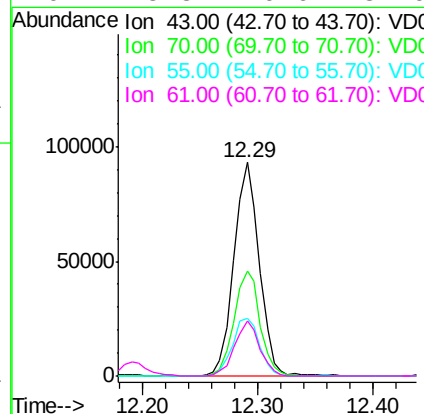
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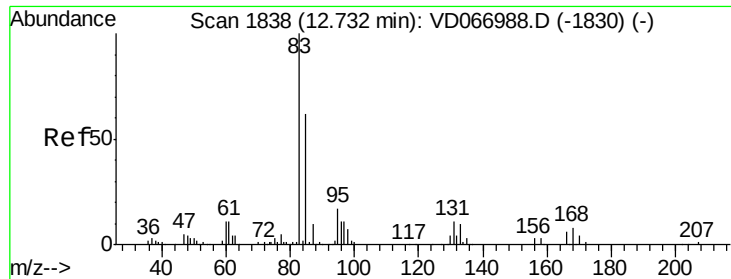
MMDadoda
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#74
N-ethyl acetate
Concen: 67.246 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	141422		
70	50.2	38.2	57.2	
55	28.8	22.4	33.6	
61	25.3	20.6	31.0	





#75

1,1,2,2-Tetrachloroethane

Concen: 70.751 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

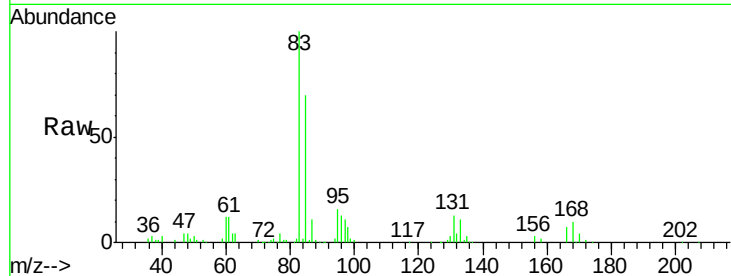
ClientSampleId :

B-15(3-4)MS

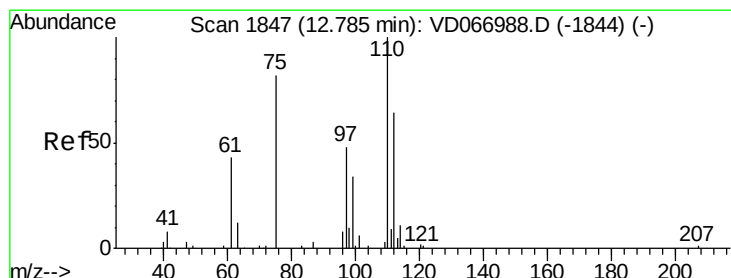
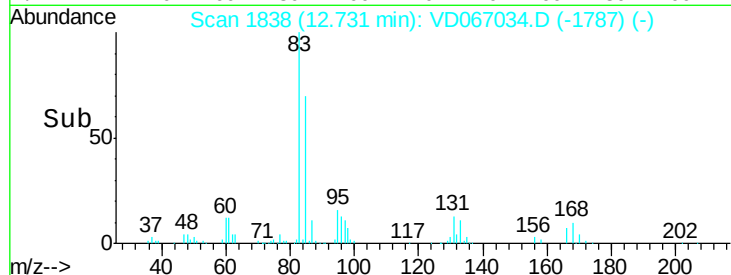
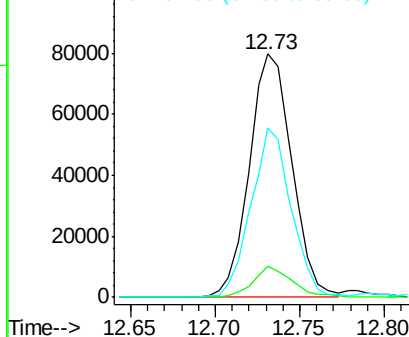
Tot Ion:	83	Resp:	139456
Ion Ratio	Lower	Upper	
83	100		
131	11.7	5.7	17.0
85	66.0	32.0	96.2

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



#76

1,2,3-Trichloropropane

Concen: 72.388 ug/l m

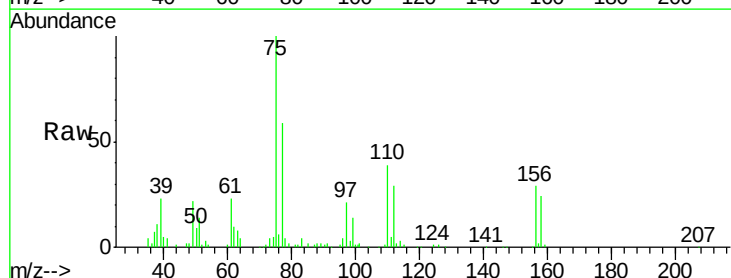
RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

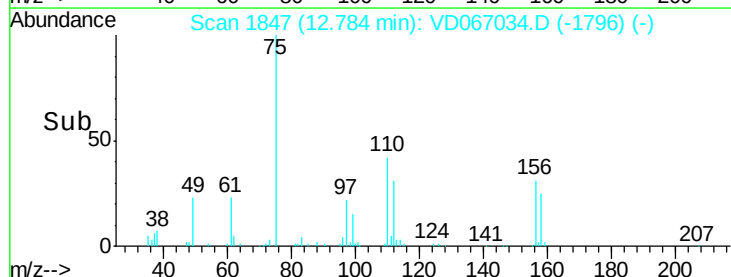
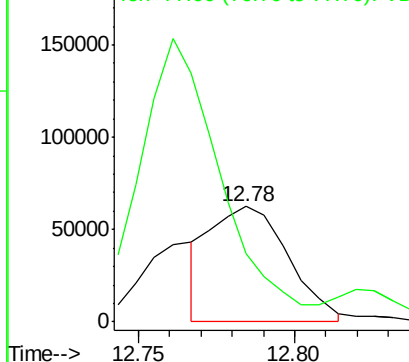
Lab File: VD067034.D

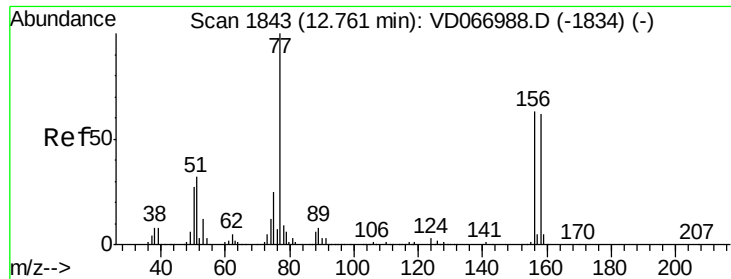
Acq: 02 Oct 2020 14:37

Tgt Ion:	75	Resp:	108634
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 57.885 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

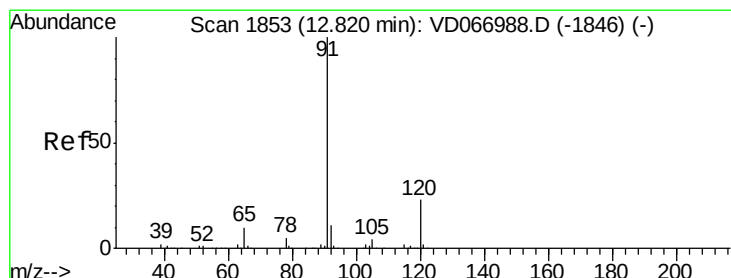
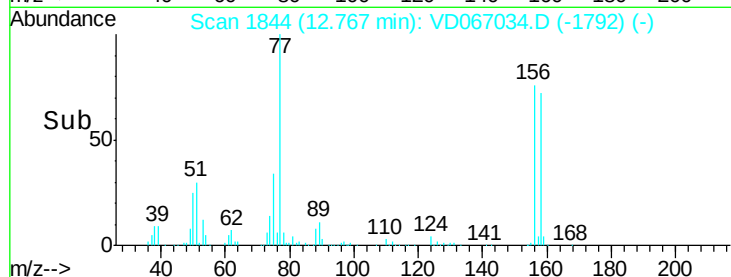
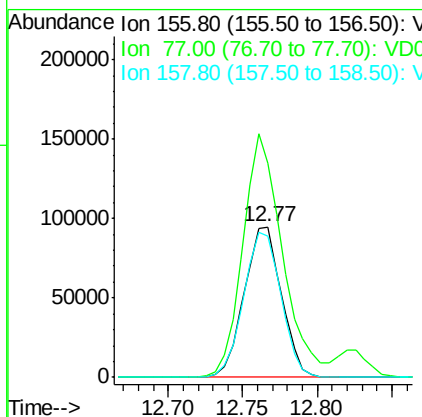
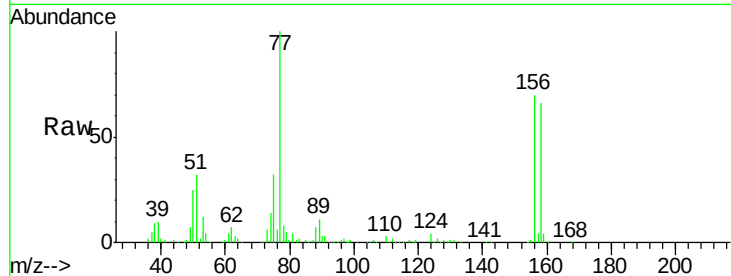
ClientSampleId :

B-15(3-4)MS

Tot Ion:	156	Resp:	163514
Ion Ratio	Lower	Upper	
156	100		
77	173.1	86.3	258.8
158	96.8	49.5	148.3

Manual Integrations
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#78

n-propylbenzene

Concen: 47.693 ug/l

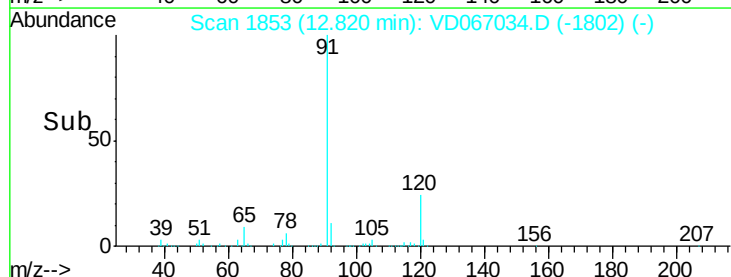
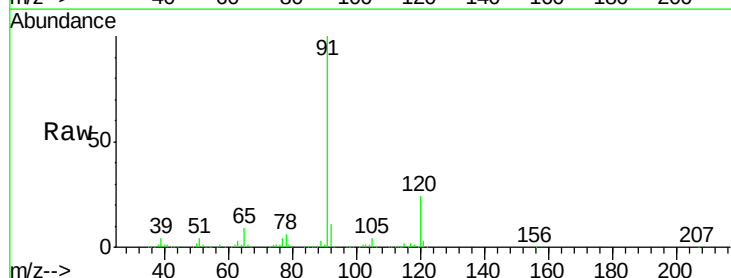
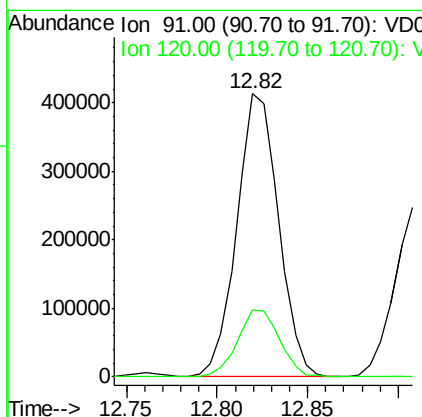
RT: 12.82 min Scan# 1853

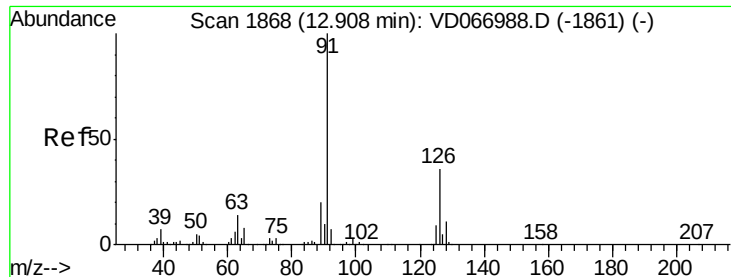
Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Tgt Ion:	91	Resp:	659398
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.6	34.8





#79

2-Chlorotoluene

Concen: 52.123 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

B-15(3-4)MS

Tot Ion: 91 Resp: 412319

Ion Ratio Lower Upper

91 100

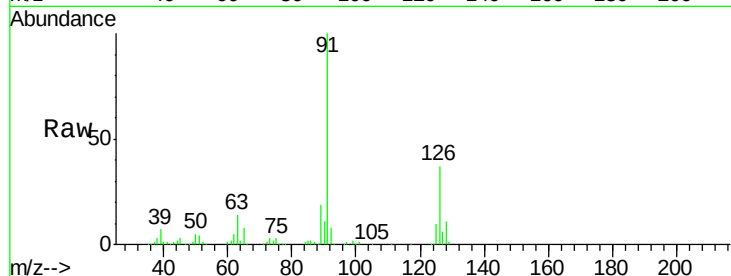
126 34.6 17.5 52.6

Manual Integrations

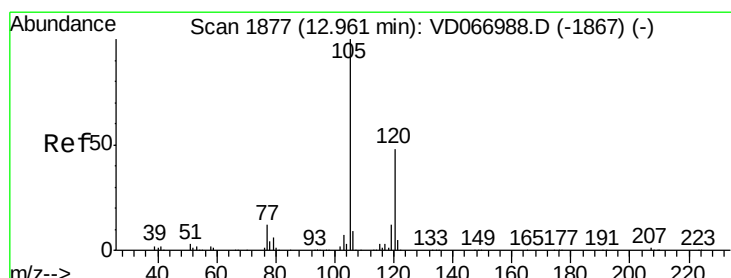
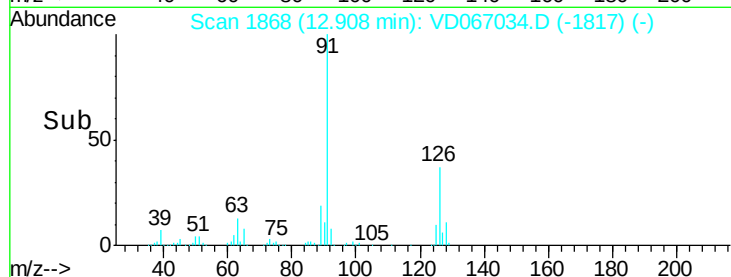
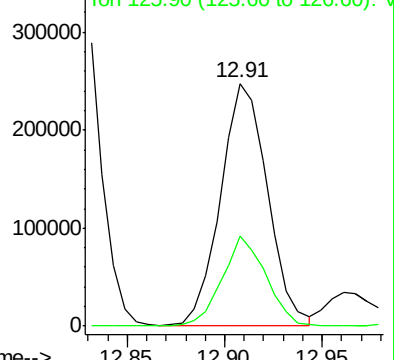
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Abundance Ion 91.00 (90.70 to 91.70): VD066988.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.722 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.00 min

Lab File: VD067034.D

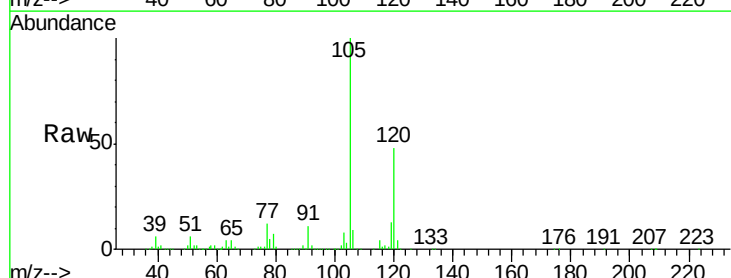
Acq: 02 Oct 2020 14:37

Tgt Ion: 105 Resp: 511229

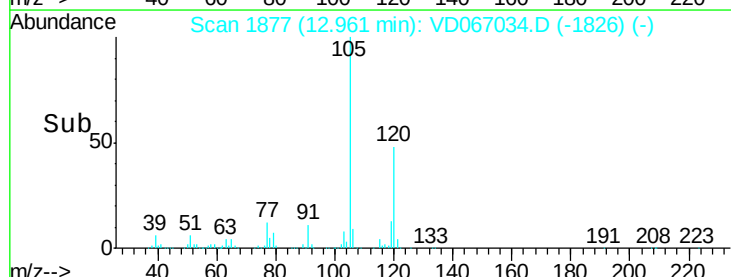
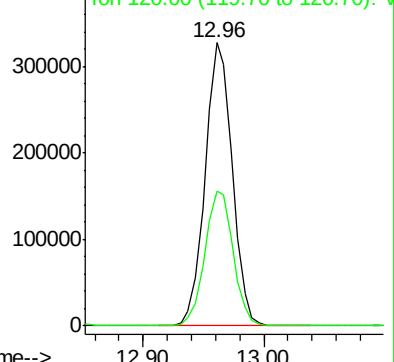
Ion Ratio Lower Upper

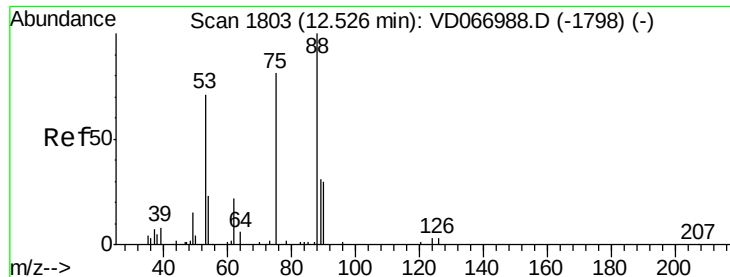
105 100

120 49.6 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): VD066988.D (-1867) (-)





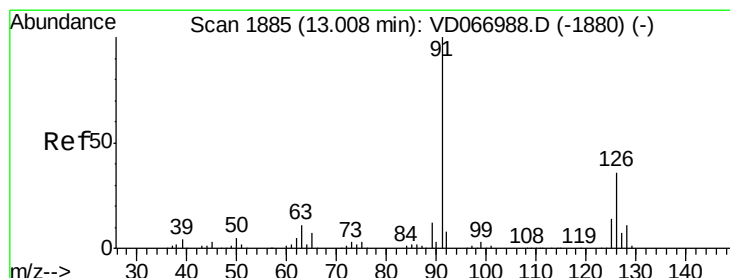
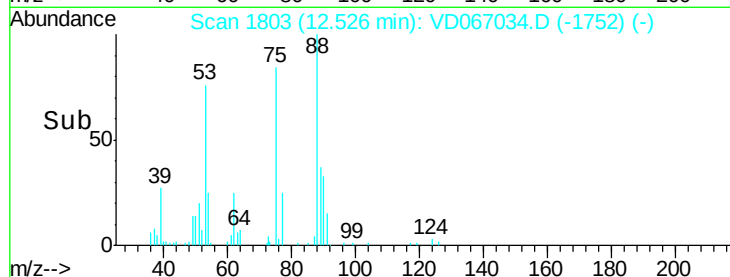
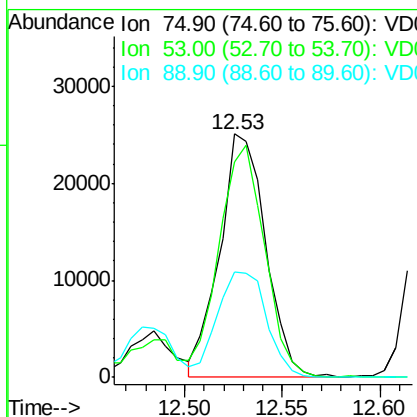
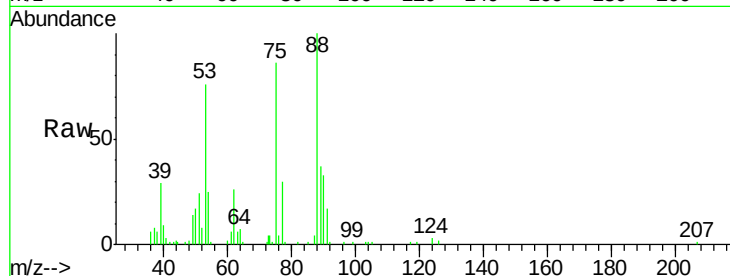
#81
trans-1,4-Dichloro-2-butene
Concen: 68.138 ug/l
RT: 12.53 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.2	73.8	110.6
89	46.6	38.9	58.3

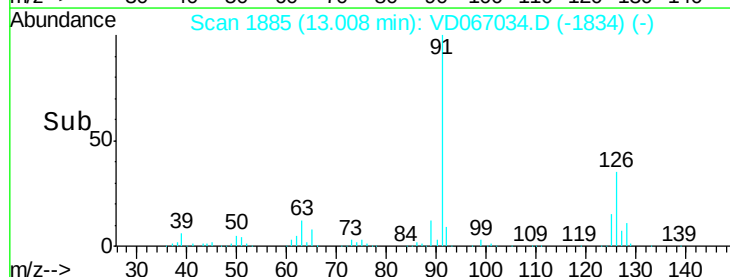
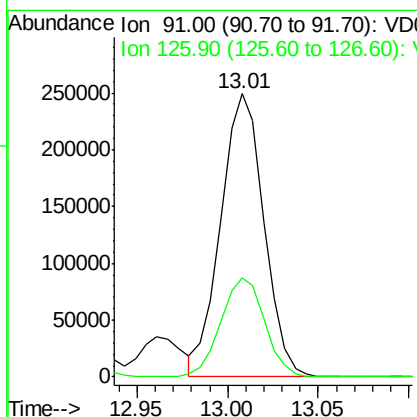
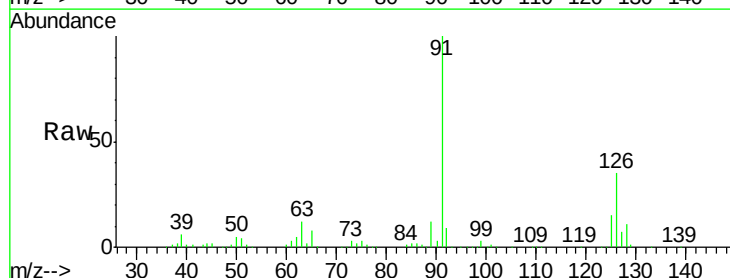
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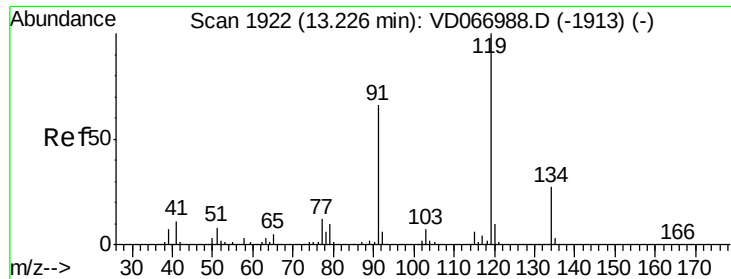
MMDadoda
10/5/2020 5:34:28 PM



#82
4-Chlorotoluene
Concen: 48.943 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





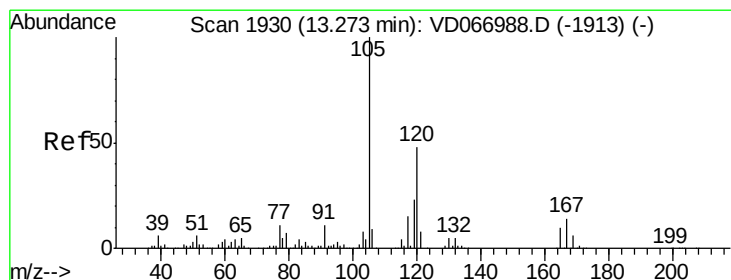
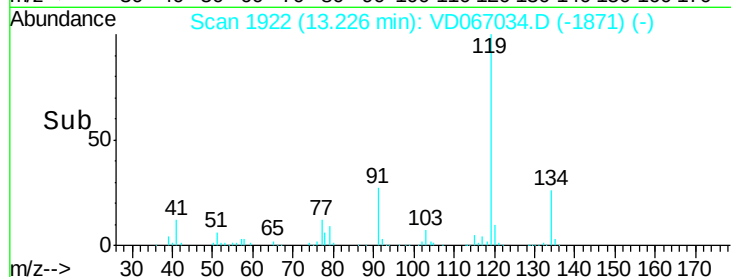
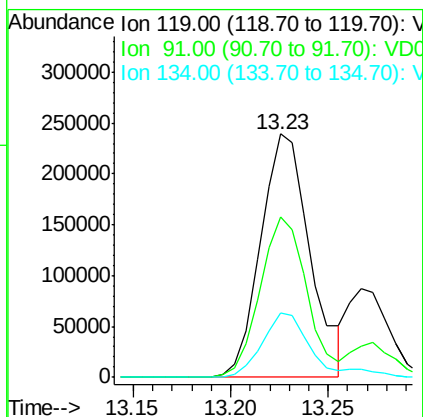
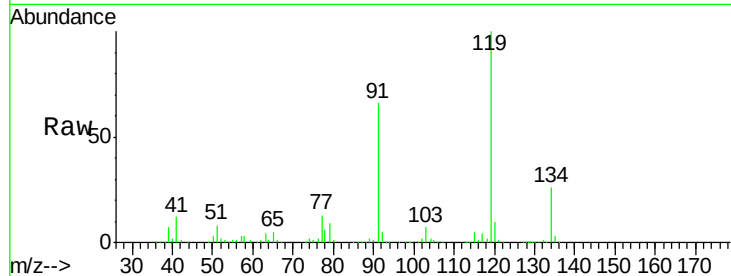
#83
tert-Butylbenzene
Concen: 50.417 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
119	100	419638		
91	62.2	32.8	98.3	
134	26.7	13.9	41.7	

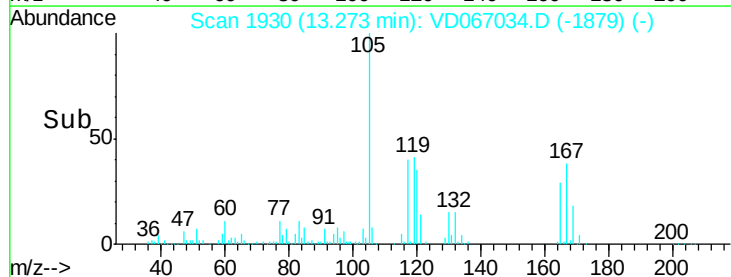
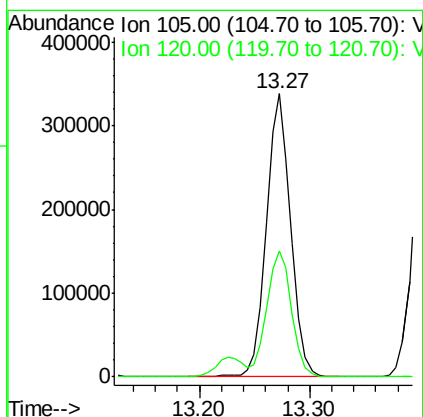
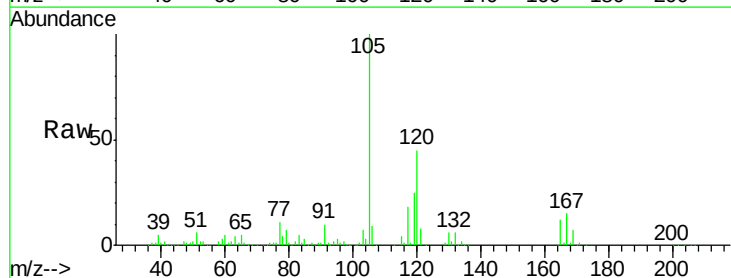
Manual Integrations
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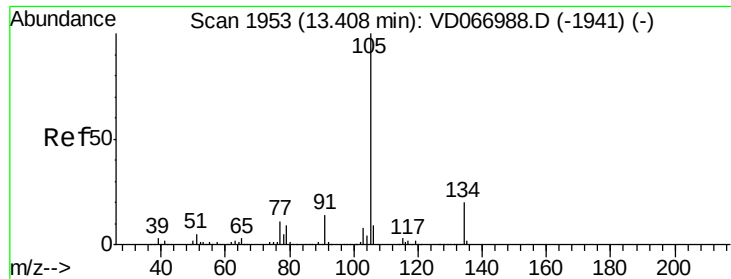
MMDadoda
10/5/2020 5:34:28 PM



#84
1,2,4-Trimethylbenzene
Concen: 52.455 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	517419		
120	45.6	23.3	69.8	





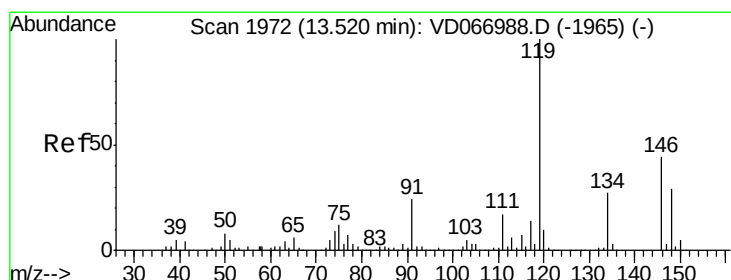
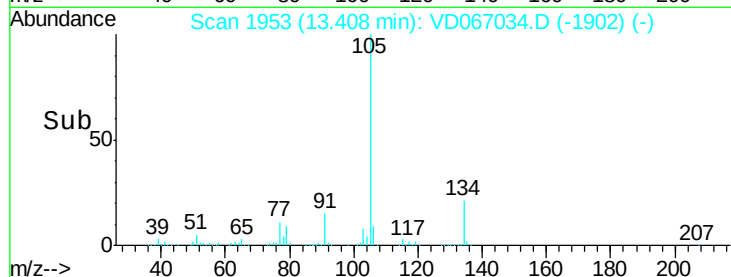
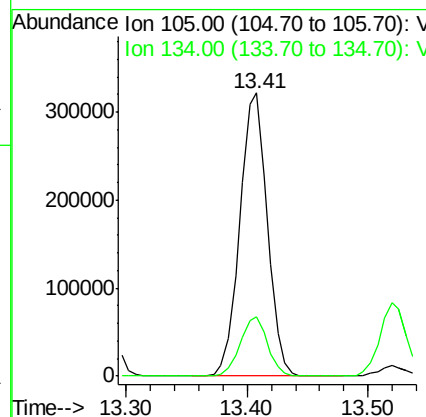
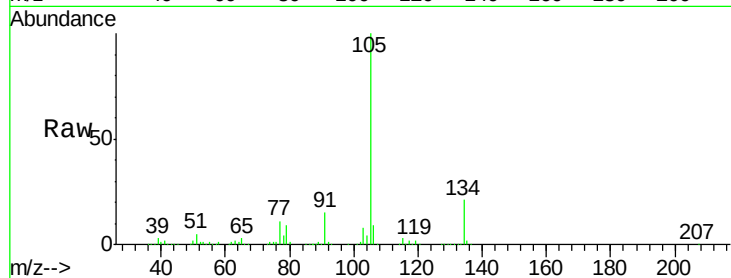
#85
 sec-Butylbenzene
 Concen: 43.525 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.3	30.8

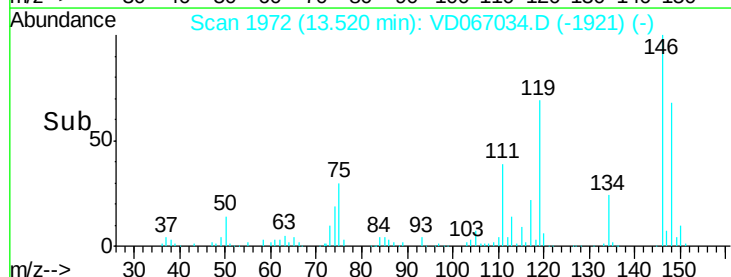
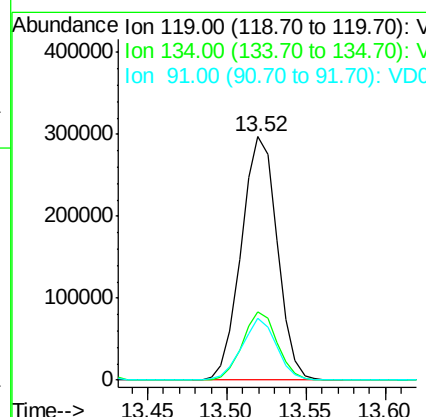
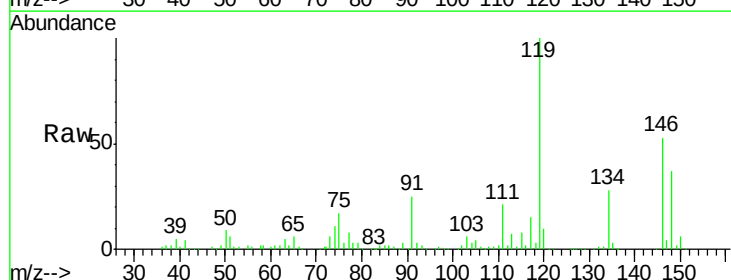
Manual Integrations
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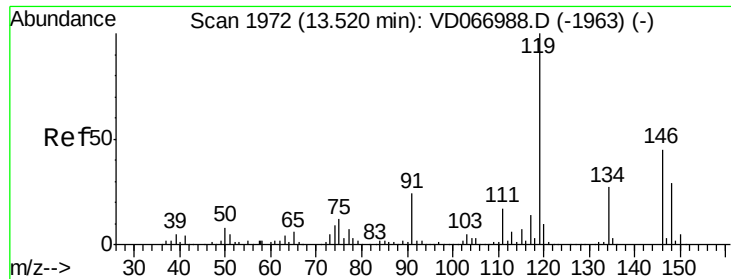
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 43.024 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.1
91	24.1	11.7	35.1





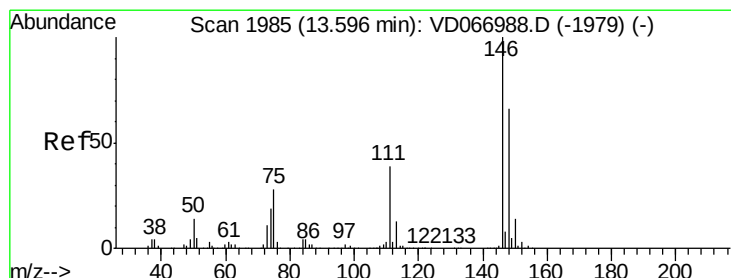
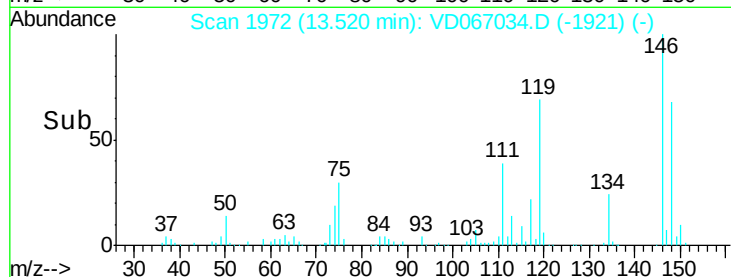
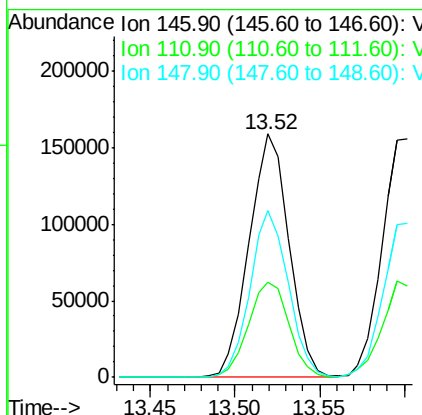
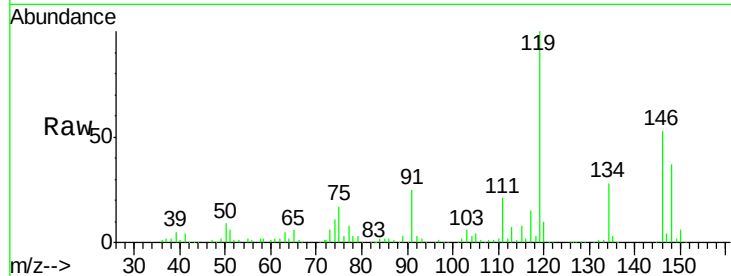
#87
 1,3-Dichlorobenzene
 Concen: 47.460 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	261140		
111	39.9	20.0	60.0	
148	65.6	31.9	95.9	

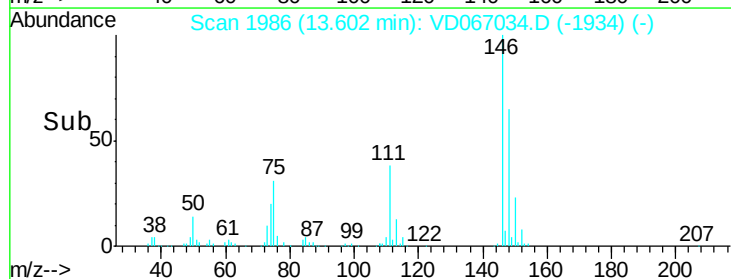
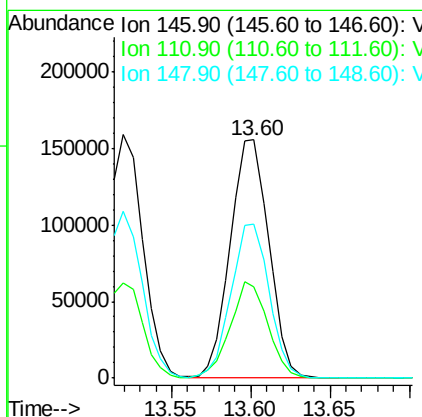
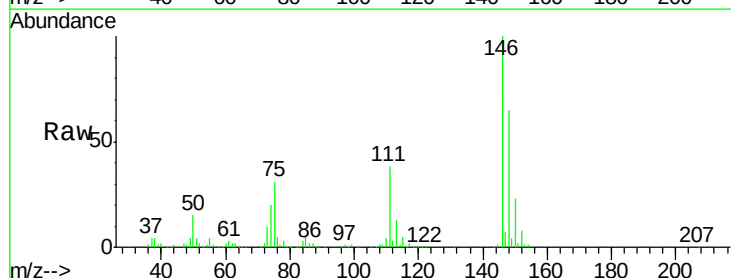
Manual Integrations
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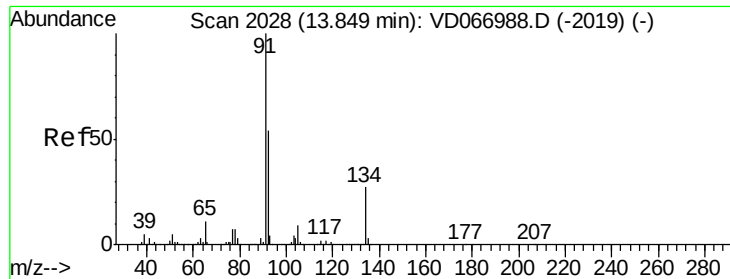
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#88
 1,4-Dichlorobenzene
 Concen: 47.990 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	264025		
111	39.4	19.6	58.7	
148	63.8	32.6	97.7	





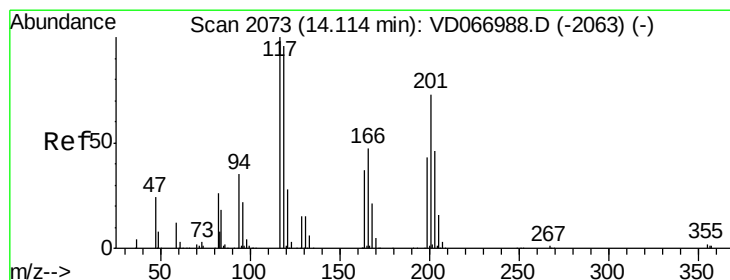
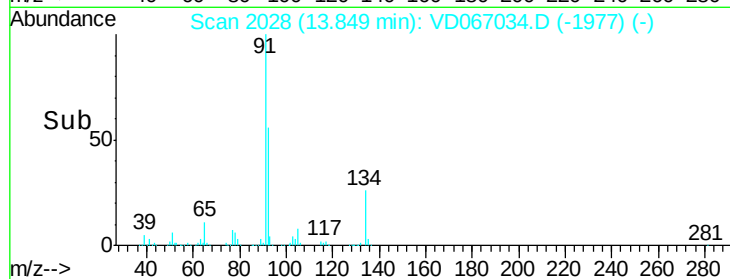
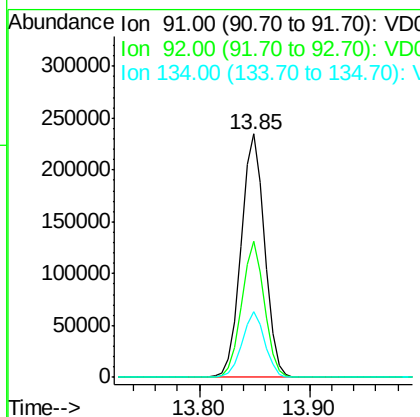
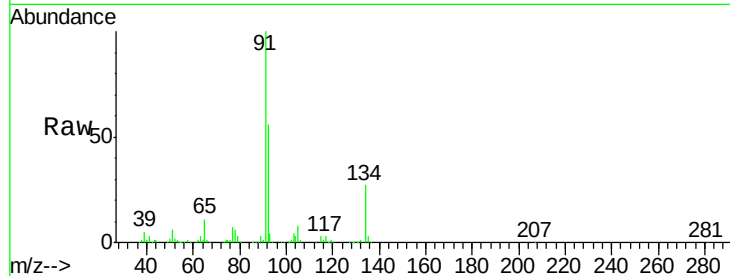
#89
n-Butylbenzene
Concen: 35.388 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Instrument :
MSVOA_D
ClientSampleId :
B-15(3-4)MS

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.1	81.2
134	25.9	13.6	40.8

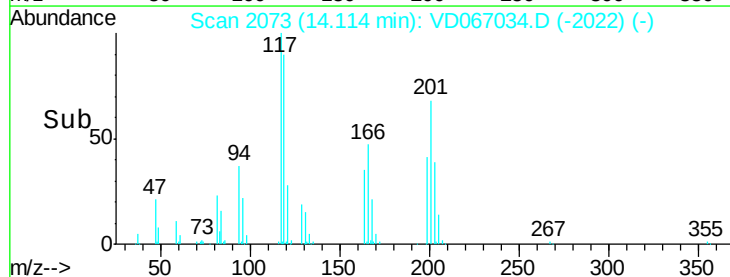
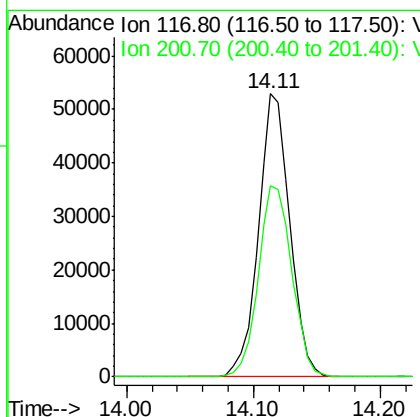
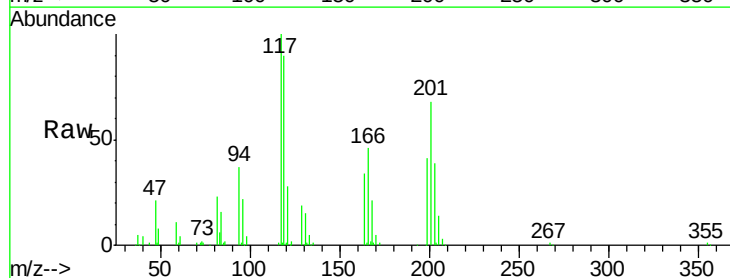
Manual Integrations
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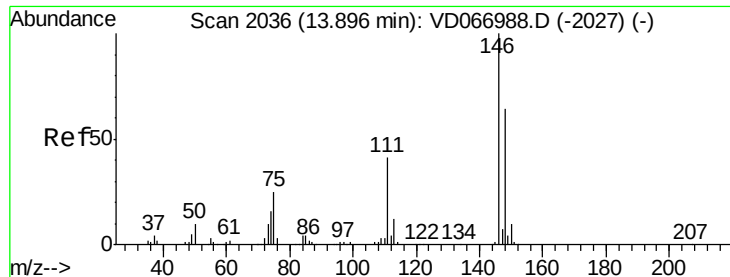
MMDadoda
10/5/2020 5:34:28 PM



#90
Hexachloroethane
Concen: 47.786 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067034.D
Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
201	72.1	37.0	110.9





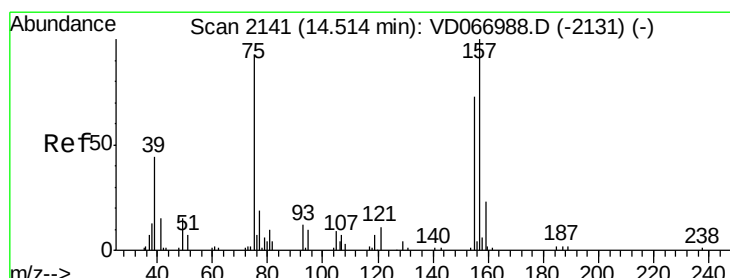
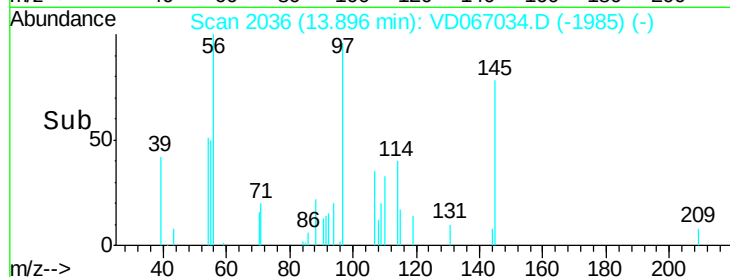
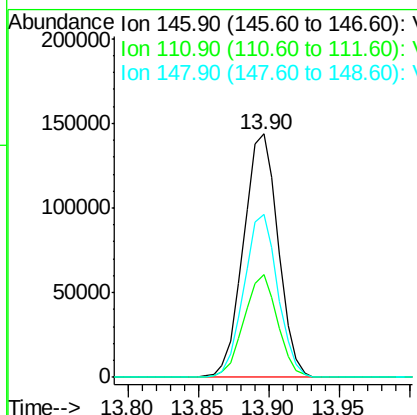
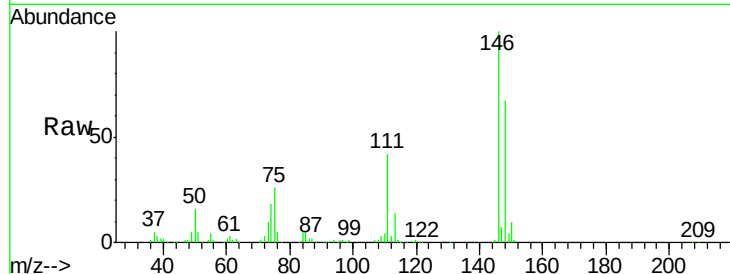
#91
 1,2-Dichlorobenzene
 Concen: 51.578 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion	Ratio	Resp	Lower	Upper
146	100	247849		
111	40.9	20.9	62.7	
148	65.5	32.3	96.9	

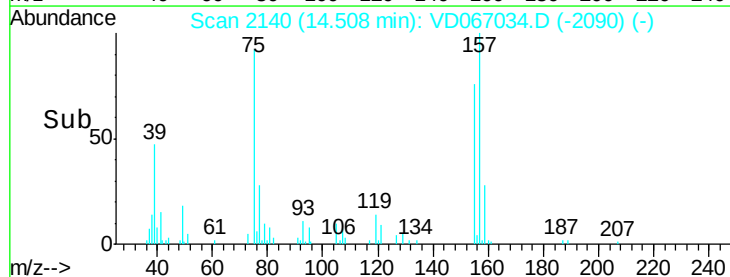
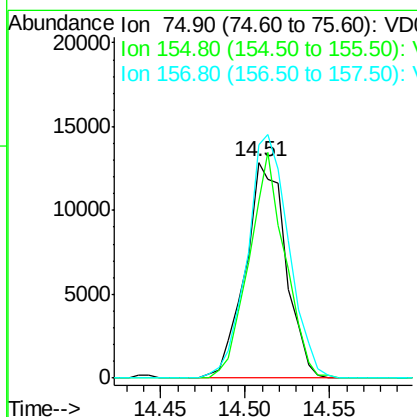
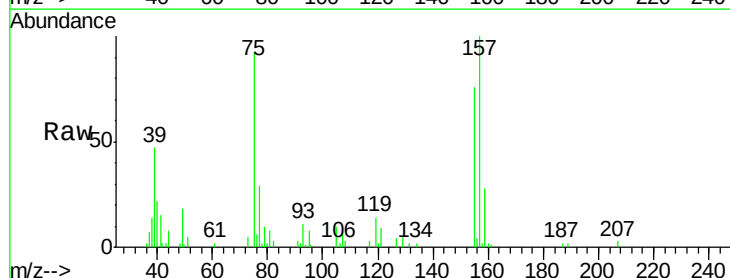
Manual Integrations
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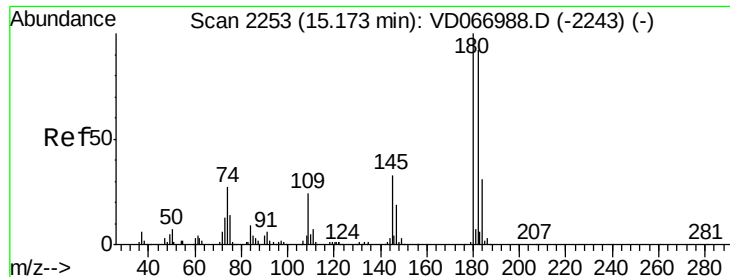
MMDadoda
 10/5/2020 5:34:28 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 67.405 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21417		
155	93.5	45.2	135.6	
157	115.9	56.3	168.8	





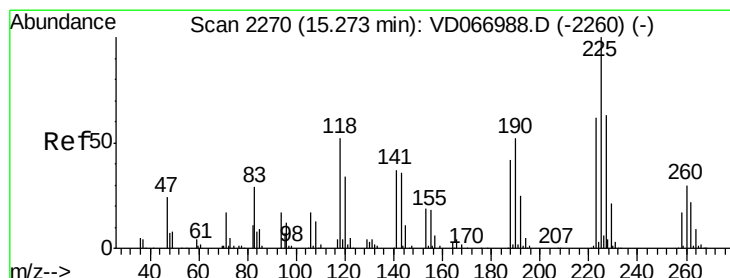
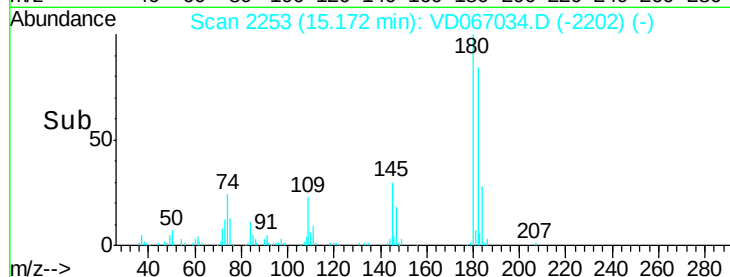
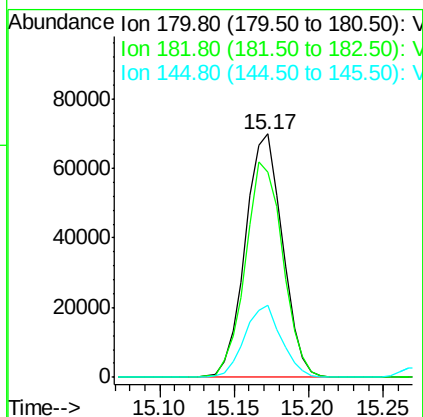
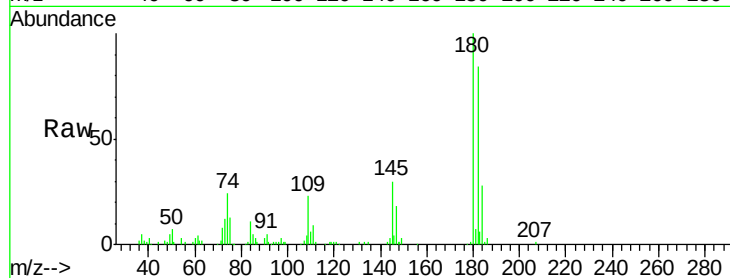
#93
 1,2,4-Trichlorobenzene
 Concen: 38.780 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Instrument :
 MSVOA_D
 ClientSampleId :
 B-15(3-4)MS

Tot Ion:	180	Resp:	120539
Ion Ratio	Lower	Upper	
180	100		
182	88.9	47.3	142.0
145	29.4	16.4	49.1

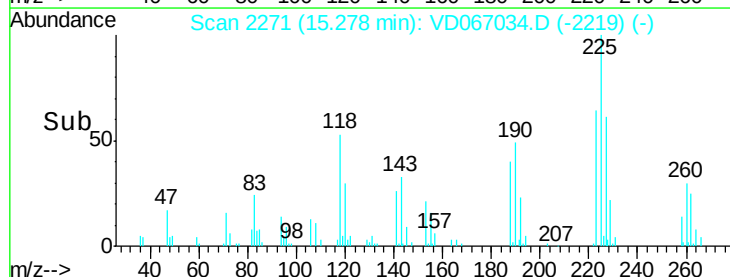
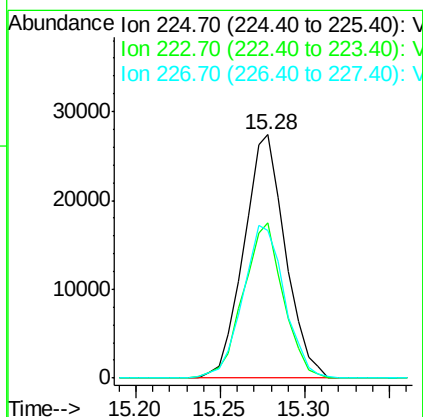
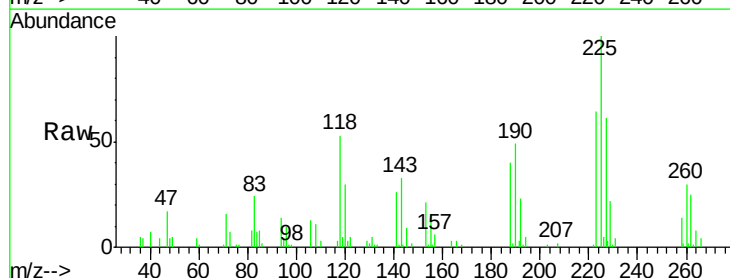
Manual Integrations
 APPROVED

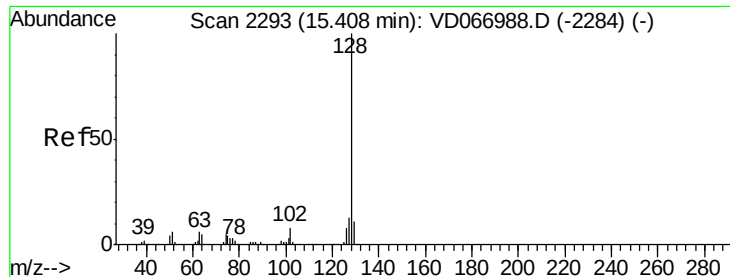
MMDadoda
 10/5/2020 5:34:28 PM



#94
 Hexachlorobutadiene
 Concen: 24.396 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067034.D
 Acq: 02 Oct 2020 14:37

Tgt Ion:	225	Resp:	46569
Ion Ratio	Lower	Upper	
225	100		
223	61.8	32.4	97.0
227	63.7	31.6	95.0





#95

Naphthalene

Concen: 53.675 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Instrument :

MSVOA_D

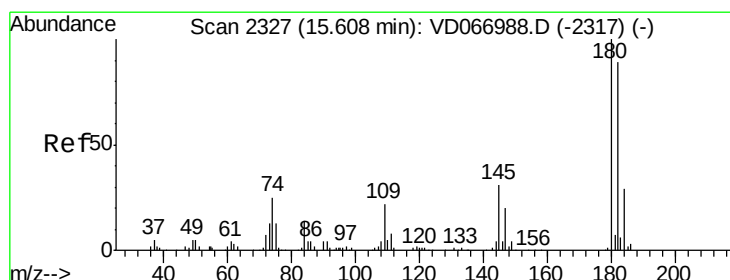
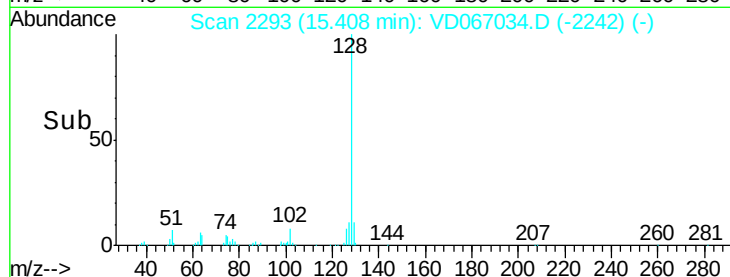
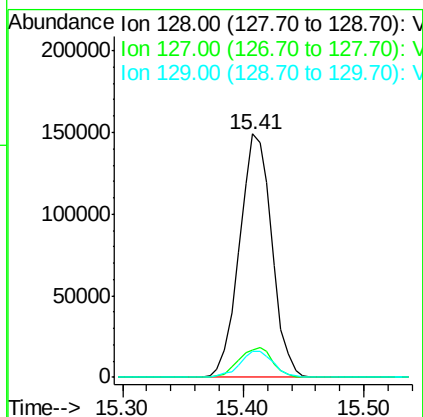
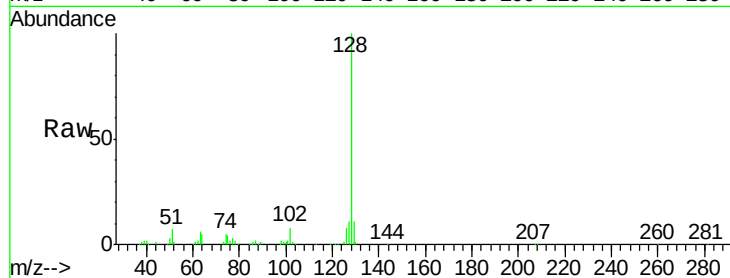
ClientSampleId :

B-15(3-4)MS

Tot Ion:	128	Resp:	278274
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	11.1	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:34:28 PM



#96

1,2,3-Trichlorobenzene

Concen: 40.900 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.01 min

Lab File: VD067034.D

Acq: 02 Oct 2020 14:37

Tgt Ion:	180	Resp:	110357
Ion Ratio	Lower	Upper	
180	100		
182	93.6	46.4	139.1
145	34.0	16.6	49.7

